CALCULATION COVER PAGE

☐ IP-2 ☐ IP-3 ☐ JAF ☐ PNPS ☒ VY

Vender Calculation No. 1356711-C-001, Revision 1	This revision incorporates the following MERLIN DRNs or Minor Calc Changes: **N/A**	**Cover Sheet for 2745 pages including Attachments**
Title: **Cooling Tower Seismic Evaluation**		☒QR ☐NQR
Discipline: Mechanical/Structural Design Engineering	Design Basis Calculation? ☒Yes ☐No	

This is calculation supersedes calculations:
1. No. EDAC-388-020.02, Rev. 0, 4/7/86, by EDAC, Title: "Dynamic Analysis of Custodis-Ecodyne Cooling Tower at the VYNPS (Cooling Tower No. E70-11960)
2. No. S7A-11960-H, Rev.0, 3/03/86, by Custodis-Ecodyne, Title: Calculations of Assessment & Modification

Modification No./Task No/ER **No: ER 04-0705**

☐ No software used
☐ Software used and filed separately (Include Computer Run Summary Sheet).
If "YES', Code:
☒ Software used and filed with this calculation. If "YES', Code: SAP2000 Non-Linear Version 7.40

System No./Name: **Circulating Water, Alternate Cooling System**

Structure : **Cooling Tower Cells CT-2-1 & CT-2-2**

Component No./Name: **CT-2-1& CT-2-2**
(Attach additional pages if necessary)

Print/Sign

REV #	STATUS (Prel, Pend, A, V, S)	PREPARER	REVIEWER/ DESIGN VERIFIER	OTHER REVIEWER/ DESIGN VERIFIER	APPROVER	DATE
1	A (as-built)	ABS Consulting	James C. Fitzpatrick 4/12/05	N/A	S. D. Goodwin	4-12-05

Place this form in the calculation package immediately following the Title page or CCN form.

1256711-C-001	1	N/A	N/A
Vendor Calculation/CCN Number	Revision Number	Vendor Calculation Number	Revision Number

Vendor Name: ABS Consulting PO Number: 4500533976 (9/8/04)
Originating Department: Design Engineering – Mechanical Structural
Critical References Impacted: ☒ UFSAR ☐ DBD ☐ Reload. "Check" the appropriate box if any critical document is identified in the tables below.
EMPAC Asset/Equipment ID Number(s): CT-2-1 & CT-2-2
EMPAC Asset/System ID Number(s): Circulation Water System , Alternate Cooling System
Keywords: Cooling Tower, Structural, Wood, Seismic, Power Uprate
For Revision/CCN only: Are deletions to General References, Design Input Documents or Design Output Documents required? ☐ Yes† ☒ No

Design Input Documents and General References - The following documents provide design input or supporting information to this calculation. (Refer to Appendix A, sections 3.2.7 and section 4)

Reference #	** DOC #	REV #	***Document Title (including Date, if applicable)	Significant Difference Review ††	**** Affected Program	Critical Reference (✓)
1			VY UFSAR, Updated as of 12-01-04.			
2			Cooling Tower Institute, CTI Code Tower "Standard Specifications for the Design of Cooling Towers With Douglas Fir Lumber," CTI Bulletin STD-114, October 1978.			
3			"Generic Implementation Procedure (GIP) for Seismic Verification of Nuclear Plant Equipment," Revision 3A corrected, Seismic Qualification Utility Group (SQUG), December 2001.			
4			SAP2000, Non-Linear Version 7.40, Copyright 1984 – 2000, Computers and Structures, Inc., Berkeley, California.			
5			ABS Consulting Nuclear Quality Assurance Manual (NQAM), Revision 7			
6			ABS Consulting, "NQA Procedure for Software Verification and Control", Procedure Number RCD-NQP-00-P03, Revision 1.			
7.1	5920-3326	7	Flour Products Dwg. Plan & Elevation 1170-1-7710			
7.2	5920-6451 Sheet 3 of 5	2	Transverse Section Additional Framing			
7.3			Longitudinal Section Framing Bent "C" Cells 1 and 2 Ecodyne Dwg. DR-11960I3 Sheet 1 of 2, PDCR 86-02			
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7.5	5920-4600	4	Secondary Distribution System @ Cell No. 1			

7.6	5920-6840 Sheet 1 of 6	0	T-Bar Fill Inst'n 2 x 8 & 4 x 8 Config. Model 1170-1-7710			
7.7	5920-6840 Sheet 2 of 6	0	T-Bar Fill Inst'n 2 x 8 & 4 x 8 Config. Model 1170-1-7710			
7.8	5920-6840 Sheet 4 of 6	0	T-Bar Fill Inst'l Details and Notes			
7.9	5920-6452 Sheet 2 of 9	0	Companion Post Installation Details			
7.10	G-191731	2	Circulating Water Piping & Misc. Steel – Sh.2			
7.11	G-200357	7	Cooling Tower No. 2 – Foundation – MAS			
7.12	5920-3324	6	Anchor Bolt Setting 1170-1-7710			
7.13	5920-13331		New TPI drawing for ER-04-705 Plan View of Existing Fan Deck Layout			
7.14	5920-13330		New TPI drawing for ER-04-705 Transverse Section 1-1			
7.15	G-191374	13	Cooling Tower and Discharge Structure-Conduit, Grounding and Lighting Plan			
7.16	G191230	31	Yard Piping Plan – Sheet 1			
7.17	G191231	16	Yard Piping Plan – Sheet 2			
7.18			Material Fabrication Sketches for System #22, Service Water Yard Piping Grinnell Piping Spool Piece drawings AJ1230-1 through AJ1230-8			
8			ANSI/NFPA NDS-1991, "National Design Specification for Wood Construction," with NDS Supplement "Design Values for Wood Construction," 1991.			
9			AISC Manual of Steel Construction, 9th Edition			
10			ABS Calculation SAP2000-QA-001, "SAP2000 Version 7.4 Computer Program QA Verification," Revision 0, November 1, 2004.			
11			Cooling Tower Institute, CTI Code Tower "Standard Specifications for the Design of Cooling Towers With Douglas Fir Lumber," CTI Bulletin STD-114, Revision dated November 1996.			
12	S7A-11960-H	0	Custodis-Ecodyne Maintenance Services Division, "Vermont Yankee Nuclear Power Corporation, Job No. S7A-11960-H, Calculations of Assessment and Modification," dated January 1986.			
13	5920-4571	0	Vermont Yankee Document 5920-4571 R0, "Cooling Tower CT-2-1A Design Data 28 Sheets'", dated 11-25-1969. Job No. E70-11960, Prop. No. NY-CT-7110.3, by Fluor Products Company, Inc.			

14	EDAC-388-020.02,	0	Engineering Decision Analysis Company, Inc. (EDAC), EDAC-388-020.02, "Dynamic Seismic Analysis of the Custodis-Ecodyne Cooling Tower at VYNPS, (Cooling Tower N0. E70-11960)," April 7, 1986			
15	PDCR 86-02		VY PDCR 86-02, "Cooling Tower Seismic Modification," May 1986			
16			VY UFSAR Figures A.7-1 through A.7-14, Revision 5.			
17			Ebasco Specification 54-63, "Mechanical-Draft Cooling Tower," Revision 1, April23, 1969.			
18			American Plywood Association, "Plywood Design Specification," August 1986.			
19			US Army Corps of Engineers Standard ETL 1110-2-548, "Composite Materials for Civil Engineering and Design," March 31, 1997.			
20	VYC-2377	1	Entergy Calculation, "Raceway Supports for Cooling Tower Improvements,"			
21			NDS, "National Design Specification for Wood Construction Commentary," American Forest & Paper Association, 1997 Edition, with Addendum to the 1991 Commentary.			
22			NUREG/CR-0098, "Development of Criteria for Seismic Review of Selected Nuclear Power Plants," N. M. Newmark Consulting Engineering Services for the U.S. Nuclear Regulatory Commission, May 1978.			
23			USNRC, NUREG-0800, Standard Review Plan, Section 3.8.4, "Other Seismic Category I Structures," Revision 1, July 1981.			
24			Bergen-Paterson Pipe Supports Catalog No. 82R			
25			Entergy Nuclear Operations Contract Order No. 4500533976, September 8, 2004.			
26			American Concrete Institute (ACI), "Code Requirements for Nuclear Safety Related Concrete Structures," ACI-349-90, March 1990.			

Design Output Documents - This calculation provides output to the following documents. (Refer to Appendix A, section 5)

* Reference #	** DOC #	REV #	Document Title (including Date, if applicable)	**** Affected Program	†††Critical Reference (✓)
	ER 04-0705	2	Cooling Tower Upgrade	N/A	

* Reference # -	Assigned by preparer to identify the reference in the body of the calculation.
** Doc # -	Identifying number on the document, if any (e.g., 5920-0264, G191172, VYC-1286)
*** Document Title -	List the specific documentation in this column. "See attached list" is not acceptable. Design Input/Output Documents should identify the specific design input document used in the calculation or the specific document affected by the calculation and not simply reference the document (e.g., VYDC, MM) that the calculation was written to support. If a DBD is used as a general reference, include the most current interim change number after the title.
**** Affected Program -	List the affected program or the program that reference is related to or part of.
†	If "yes," attach a copy of "VY Calculation Data" marked-up to reflect deletion (See Section 3.1.8 for Revision and 5.2.3.18 for CCNs).
††	If the listed input is a calculation listed in the calculation database that is not a calculation of record (see definition), place a check mark in this space to indicate completion of the required significant difference review. (see Appendix A, section 4.1.4.4.3). Otherwise, enter "N/A."
†††	If the reference is UFSAR, DBD or Reload (IASD or OPL), check Critical Reference column and check UFSAR, DBD or Reload, as appropriate, on this form (above).

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CALCULATION COVER SHEET

Calculation No.	1356711-C-001
Project:	**Entergy Vermont Yankee**
Calculation Title:	**Cooling Tower Seismic Evaluation**
References:	See Section 6 of this calculation
Attachments:	See Table of Contents

Total Number of Pages (Including Cover Sheet): 2745

Revision Number	Approval Date	Description of Revision	Originator	Checker	Approver
0	03/23/2005	Original Issue	R.D. Augustine	J.L. White	P.D. Baughman
1	04/052005	Revised fan thrust loads. Clarified text per Entergy comments.	R.D. Augustine	J.L. White	P.D. Baughman

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Attachment B	Cooling Tower Loading Design Input	15 pages
Attachment C	Vermont Yankee Ground Response Spectra	2 pages
Attachment D	Base Reaction Forces	6 pages

Attachment E	Computer Models – Members, Nodes Element Descriptions, Loadings and Mode Shapes	253 pages
Attachment F	Bent A – Dead Load Model	
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Attach. G-2	Analysis Execution Log	4 pages
Attach. G-3	Computer Output	96 pages
Attachment H	Bent B – Dead Load Model	
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Attach. H-3	Computer Output	168 pages
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Attach. Q-3	Computer Output	85 pages
Attachment R	Summary of Allowable Forces and Moments for All Members	20 pages

Attachment S	Summary of Applied Forces and Moments, Allowable Forces and Moments and Interaction Ratios for All Members	39 pages
Attachment T	Design Review Guidelines	1 page

TABLE OF REVISIONS

Revision Number	Description of Revision	Issue Date
0	Initial Issue	March 23, 2005
1	Incorporates Entergy Comments	April 4, 2005

1. INTRODUCTION

The Vermont Yankee Alternate Cooling System is a safety-related system whose safety function is to provide an alternate means of cooling in the unlikely event that the service water pumps become inoperable. The Alternate Cooling System utilizes the north end cell (CT2-1) of the west eleven-cell cooling tower (Cooling Tower No. 2) for service water heat removal. The north end cell, as well as the adjoining cell (CT2-2), are seismic Class I structures. The remaining cells 3 through 11 are non-safety-related Class II structures. Cells 3 through 11 are structurally separated from cells 1 and 2 by cut-away ties designed to isolate the safety related cells from the non-safety-related portion of the structure.

The VY cooling towers are braced wood frame structures constructed of treated wood with bolted and steel bracket type connections. The towers are of modular construction with 11 cells in the longitudinal direction. Each module is typically 42 ft. wide by 42 ft. long in plan by 42 ft. 6 in. from the top of the concrete perimeter pad to the top of the fan deck, and 56 ft. 7 in. to the top of the fan stack. The tower is constructed of timber columns, beams, girders and diagonal bracing. The wood frames support cooling fans, fan motor, circulating water distribution piping and various components at the top of the towers. A concrete cooling water basin constructed below grade supports the tower frames.

Modifications to the cooling towers are required as part of power uprate. The modifications consist of removing and replacing the existing fans, motors and gearboxes and adding new cable trays. The replacement components weigh more than the original components, and the thrust loads from the replacement fans are greater than the original thrust loads. The cooling towers require re-analysis to verify the adequacy of the modifications.

2. PURPOSE

The purpose of this calculation is to evaluate the main structural framing members of the modified cooling tower cells CT2-1 and CT2-2 (Cooling Tower No. 2, cells 1 and 2) for dead load and seismic loading conditions. The cooling tower cells to be seismically analyzed include additional weights and loads from the power uprate modifications.

Only cells CT2-1 and CT2-2 are evaluated in this calculation. The remaining non-safety-related cells, 3 through 11, are separated from cells 1 and 2 by break-away joints and are not addressed in this calculation. Only CT2-1 is required to be operational following an earthquake. CT2-2 is included in the analysis so its effect on CT2-1 is accounted for.

Cell CT2-1 is evaluated for the increased loads of the new fans and motors, but new fans and motors will not be installed as part of the power upgrade. The analysis envelopes the existing equipment mounted in cell CT2-1. Also, since the analysis uses a conservative loading for CT2-1 (uses bigger fan loading) any asymmetric effects from different fan ratings in CT2-1 and CT2-2 are bounded.

This work is being performed under Entergy Nuclear Operations Contract Order No. 4500533976, September 8, 2004 (Reference 25).

3. METHODOLOGY

The cooling towers are shown on the drawings listed in Reference 7. The cooling towers were originally designed and analyzed in Reference 13. Cooling tower maintenance and analysis considerations required additional analysis to be performed in 1986. Dynamic (response spectrum) seismic analysis of the cooling towers was performed in Reference 14. This analysis concluded that modifications were required. The modifications were designed and analyzed in Reference 12, and installed under PDCR 86-02 (Reference 15). A description of the dynamic analysis from Reference 14 is included in UFSAR Section A.7 (Reference 1). The computer models are shown in UFSAR Figures A.7-1 through A.7-14 (Reference 16, included in this calculation as Attachment A).

The methodology for this calculation is to perform a response spectrum seismic analysis of the cooling tower cells including the additional loads from the power uprate modifications. The models and analysis methods are consistent with those described in the UFSAR (Ref. 1 and 16), except analysis criteria have been updated where required.

Current plans (as of the date of this calculation) for power uprate include providing new fans, motors and gearboxes for all cooling tower cells except for cell CT2-1. This calculation is conservatively performed assuming the fan, motor and gearbox modifications are applicable to all cells including CT2-1. This will allow the changes to be made in the future (if required) without re-analyzing the structure.

The cooling towers are symmetrical about the longitudinal centerline (refer to page A1) except for the loading of the cable trays, secondary distribution system piping, and the fan motors. Cooling tower cells CT2-1 and CT2-2 are evaluated using three longitudinal models (Bents A, B and C) and three transverse models (Main, End and Partition).

The longitudinal and transverse bents are analyzed separately as 2-D models since the cooling tower construction lacks any horizontal floor diaphragms. The only floor diaphragm is at the top level but the cement board and plywood deck was judged inadequate to ensure diaphragm action given the large openings of the fan stacks. For each typical bent, the maximum loading applicable to any bent is used, considering the full range of fan/motor weights and operating modes (i.e., number of cells in use). Asymmetric loads from differing fan/motor weights, operating modes and dead loads will result in lower loads on individual bents and are thus bounded by this analysis.

Each cooling tower has four A bents, two B bents and two C bents in the longitudinal direction. Bent B on the west side of the tower governs since it receives fan motor and support frame loads. Bent C on the west side of the tower governs since it receives fan motor and cable tray loads. The load applied to the Bent A model envelopes the loads applied to all four A type bents. This is conservative since the dead load of the fan only applies to two of the A bents, and these bents are not actually loaded by the T-bar fill.

The transverse main bent structural model includes member sizes from the main bents in cell CT2-1. The loads on the main bents in cell CT2-1 govern because of the weight of the secondary distribution piping. Differences between the main bent members in cells CT2-1 and CT2-2 are evaluated separately. The transverse wall end of cell CT2-1 (wall no. 3) is modeled. The partition bent at wall no. 4 (wall between cells CT2-1 and CT2-2) is modeled since it receives load from both cells. The partition bent at wall no. 5 is not modeled as it is outside the zone of influence for cell CT2-1 and does not receive load from two cells.

This calculation evaluates the cooling towers by modeling the main structural framing members as beam elements and applying the deadweight and mass of all internals at member intersections (computer nodal locations). The models are evaluated for dead load, snow/ice load and seismic loading conditions.

This calculation is a conservative enveloping evaluation of both the summer and winter conditions occurring simultaneously. The maximum snow loads are being taken at the same time as the maximum (summer) operating temperatures. Corresponding reductions in member strengths due to high temperature are conservatively used for loading combinations that include snow loads.

The transverse bents are modeled as 2-D trusses because all loads are applied at the joints. The longitudinal bents have loads applied at intermediate points on the columns and are therefore modeled as 2-D frames. All diagonal bracing and horizontal members are modeled with pinned ends. Columns are modeled as pin-ended in the transverse truss models (except at selected locations in the hot basin where there are no diagonal braces) and continuous in the longitudinal frame models. All connections to the concrete foundation are modeled as pinned end supports. The longitudinal bent models include constraints between adjacent nodes where wood blocking exists (at the top just below the deck and along the length of the hot basin). The transverse truss models contain very small lateral springs for the dead load analysis to provide numerical stability in the absence of the diagonal bracing and partition wall shear panels.

The T-bar fill loads are conservatively distributed at node points located at anchor points of the T-bar fill wire mesh support grid. This is conservative since the support grid has a low horizontal frequency relative to the cooling tower structure. The T-bar fill mass includes water in transit which will not be driven by acceleration of the structure. A large portion of the mass of the T-bar fill could be de-coupled from the model due to the low support frequency and water in transit. The horizontal members at the nodal locations in the models are included only for calculating distribution of T-bar fill.

The models are analyzed using the Vermont Yankee design basis earthquake from Appendix A of the UFSAR (included as Attachment C). The curves in Attachment C have a peak ground acceleration of 0.07g, corresponding to the operating basis earthquake (OBE). Horizontal seismic input for this analysis is the maximum hypothetical earthquake (MHE) equal to two times the OBE (PGA of 0.14g). The vertical acceleration in the analysis is equal to 0.093 or 2/3 of the rigid range horizontal ground spectrum.

A damping ratio of 5 percent of critical damping is used in the analysis for the MHE. This type of wood framed structure has significant damping since the bolted connections absorb energy due to friction and slippage inherent in the connections and support points. NUREG/CR-0098 (Reference 22) provides seismic criteria for re-evaluating structures in older nuclear power plants. NUREG/CR-0098 recommends using 5 to 7 percent damping for bolted wood structures designed to a stress level of ½ yield point (i.e. OBE stress levels), and 10 to 15 percent damping for bolted wood structures designed to yield point stress levels (i.e. MHE stress levels). A damping ratio of 5 percent for the MHE is conservative since it is the lower bound value recommended for OBE in NUREG/CR-0098.

The cooling tower is evaluated using the finite element computer program SAP2000, Version 7.40 (Reference 4). The program is verified and certified for use on QA projects in accordance with the ABS Consulting Quality Assurance Manual (Reference 5) and Procedure NQP-03 (Reference 6). Documentation of the program verification is contained in Reference 10.

The models are analyzed for the vertical and horizontal earthquake in the plane of the model acting simultaneously. The vertical earthquake is evaluated statically with a seismic loading of 0.093 of the weight along the height of the columns. Structural response from the horizontal and vertical earthquake

components are combined using the square root of the sum of the squares (SRSS) method. Modal response is combined using the CQC method to account for closely spaced modes. Modes are calculated up to 33 Hz with residual mass correction applied for participating mass above 33 Hz. The residual mass correction option is chosen within the SAP2000 computer program (Reference 4).

The analysis considers the following loading combination based on the UFSAR (Reference 1):

D + L + E

Where:

D = the dead load of structure and equipment plus any other permanent loads

L = 40 psf snow/ice load

E = Seismic load resulting from the maximum hypothetical earthquake, with a peak ground acceleration of 0.14g.

The allowable loading for the wood structure is determined in accordance with the 1991 edition of the NDS (Reference 8) and the 1996 edition of the Cooling Tower Institute (CTI) Standard Specification for the Design of Cooling Towers With Douglas Fir Lumber (Reference 11). The tower is constructed using treated Douglas Fir lumber. The allowable load calculations account for load duration, operating moisture level, operating temperature, member size and unbraced compression lengths. The load duration factor is taken as 0.9 for dead, 1.15 for snow/ice and 1.6 for earthquake load cases per NDS Table 2.3.2 (Ref. 8). A buckling length coefficient (Ke) of 0.8 is used for columns and 1.0 for bracing per NDS Table G1 (Ref. 8), unless otherwise noted in the body of the calculation (for isolated conditions).

The 1.6 load duration factor for earthquake load combinations is based on 10-minutes duration of load. This is conservative since the duration of strong motion in large earthquakes does not exceed 30 to 40 seconds, based on seismic experience data (Reference 3). A more realistic duration factor of up to 1.9 could be used for the MHE based on NDS Appendix B, Figure B1.

Allowable loads on connections are increased by 1.33 for earthquake loads using Reference 9. This is conservative since an increase of 1.6 could be used based on SRP Section 3.8.4 (Reference 23).

The allowable loads on the base anchor bolts are calculated in accordance with Section C.4 of Reference 3. The allowable bolt stress is equal to 1.7 times the working stress design allowable stress in Part 1 of AISC (Reference 9). The 1.7 increase factor is based on the standard increase in Part 2 of AISC. Reductions for embedment and edge distance are based on shear cone theory from Appendix B of ACI 349 (Reference 26).

4. DESIGN INPUT

Design input and sources of information are described below.

- The as-built details of the cooling towers are shown on the drawings listed in Reference 7.
- The bent models from the Vermont Yankee UFSAR (Reference 1) shown in Attachment A are used in this analysis. These models include all the structural members (beams, columns and bracing) that are stressed under the applied dead, ice/snow and seismic loading.
- The weight (mass) of the following items are included in the model (weights from Attachment B unless noted):
  - Top fan deck weight consists of 3/8" thick flat cement board (4.3 psf wet – sheet B4), 1 1/8" thick plywood and 2 x 6 pressure treated Douglas Fir joists 2' on center (weights determined from References 9 and 18)
  - Depth of water in the hot water basin under normal operating conditions – 8.75" deep (46 psf – sheet B4)
  - Weight of water in transit is based on a design flow of 17.5 GPM per square foot (Sheet B3). Weight of water in transit including weight of T-bar fill and supports is taken as 1.88 pcf for 4 x 8 T-Bar Fill from Sheet B4. Weight of water in transit, T-bar fill and supports for 2 x 8 T-bar fill is calculated as 2.53 pcf based on Sheets B4, B5 and Ref. 7.8.
  - Louver Wall consisting of 3/8" thick flat Cement Asbestos Board (6'-0" long) (112 lbs – sheet B4)
  - Drift Eliminators (2.5 psf wet – sheet B4)
  - Partition Wall – firewall with two 1/2" thick C.A.B. Flats (11.8 psf wet – sheet B4)
  - End Wall – firewall with one 3/8" thick Corrugated C.A.B. (5.0 psf wet sheet B4)
  - Cable Tray weight is defined as 60 lbs/ft per Reference 20.
  - Secondary distribution system piping configuration is based on Reference 7.5.
  - Wood framing member self-weight is calculated in the computer model and included in the analysis.
  - The weight of the fiberglass fan stack is calculated based on the details on sheet B15.

- The weights of the mechanical components (from sheet B7) are listed as follows. These weights include the change in weight due to power uprate modifications:

Fan Weight	2070	lbs.
Fan Thrust	2454	lbs.
Gear Reducer	2125	lbs.
Gear Adapting Steel	250	lbs.
Driveshaft	75	lbs.
Motor	2000	lbs.
Motor Adapting Steel	125	lbs.

- The weight of the fan stack is calculated based on the configuration on Drawing 5920-13330 (Reference 7.14).
- The fan thrust load is from Drawing 5920-13330 (Reference 7.14).
- The circulating water distribution system piping is 60" diameter fiberglass pipe per Ebasco Specification 54-63 (Reference 17).
- The snow and ice load applied to the top deck area is 40 psf per Ebasco Specification 54-63 (Reference 17).
- The allowable load on the wood members is determined in accordance with References 8 and 11. The modulus of elasticity (E) and allowable load is determined using Douglas Fir No. 1 lumber (sheets B2 and B7).
- The design temperatures for calculating the allowable load on the wood members are as follows (from sheet B7):

Plenum Area	100.3F
Fill Area – top third of tower	115F
Fill Area – middle third of tower	107.5F
Fill Area – bottom third near deep basin	100F

- The allowable loads for connections are taken from sheet 13 of Reference 12.

5. ASSUMPTIONS

Assumptions are as follows:

- The weight of the circulating water distribution header is calculated assuming 60" OD fiberglass pipe with a wall thickness of 1/2". The density of the fiberglass material is assumed to be 120 pcf based on Reference 19.
- The concrete strength of the cooling tower foundation basin is assumed to be 3000 psi based on the notes on Drawing. G-200357 (Ref. 7.11). This is used for determining the allowable anchor bolt loads. This assumption is conservative since the value on the drawing is the minimum design strength (actual strength at the time the concrete is placed is normally much greater than the minimum design strength) and concrete strength increases with time.
- The moisture condition of all wood members is assumed saturated. This is conservative since not all members are continuously exposed to water.
- Lumber sizes are assumed to be equal to the minimum dry dressed size in accordance with NDS Supplement (Ref. 8) Table 1A.
- It is assumed that all lumber is capable of supporting the full design capacities based on ongoing inspection and replacement regime in place at VY (see sheet B7).
- The weight of the secondary distribution pipe in cell CT2-1 does not include the weight of water since the pipe is assumed to be normally empty (see Ref. 7.5). This system has to be activated manually by opening a manual valve. The weight of the empty pipe is determined assuming STD schedule wall thickness.
- The density of Douglas fir is assumed to be a minimum of 32 pcf from Reference 9 page 6-8.
- The density of the fan stack fiberglass is assumed to be 120 pcf based on Reference 19 (included in Attachment B) and Reference 27.

There are no unsubstantiated assumptions that require additional verification.

6. CALCULATIONS

The following sections of this calculation will determine the individual nodal weights and masses and will also document the results of the analysis. For each model, summaries are provided documenting the resulting loads from both the dead load and seismic load cases. These resulting loads are then compared with the allowable loads determined by References 8 and 11.

6.1 BENT MODELS

The bents are modeled as beam elements using the models from the Vermont Yankee UFSAR as shown in Attachment A. In addition, various modification drawings (Reference 7) are used to reflect the "as-built" cooling tower frames. Attachment E contains copies of the models with dimensions, load locations and nodal numbering shown.

6.2 MODEL LOADING

The cooling towers are subject to various dead loads that are detailed in the following sections. These include the following:

1. New Fans and Motors
2. Fan Support Steel
3. Top Cover Fan Deck (Including Snow Load)
4. New Cable Tray
5. Manifold Pipe
6. Hot Water Basin
7. T-Bar Fill and Water in Transit
8. Partition and End Wall Cladding
9. Triangular Wall Self Weight
10. Louver Wall
11. Drift Eliminators
12. Fiberglass Fan Stack
13. Secondary Distribution Piping

The dead loads and masses are distributed to framing member intersection points based on the spans to the next joint both in and out of the plane of the model.

Section 6.2.1 will determine the nodal loading for each joint location on the model. Section 6.2.2 will determine and combine the individual nodal loads and masses.

6.2.1 Dead Load and Mass Distribution

6.2.1.1 New Fans and Motors

The following fan and motor loads are from sheet B6.

Fan Weight	2070	lbs.
Fan Thrust	2454	lbs.
Gear Reducer	2125	lbs.
Gear Adapting Steel	250	lbs.
Driveshaft	75	lbs.
Motor	2000	lbs.
Motor Adapting Steel	125	lbs.

Divide driveshaft weight between fan and motor.

Apply to Fan:	6,937	lbs.
Apply to Motor:	2,163	lbs.

The fans are located at the centerline of the cooling towers between two A Bents and two MAIN Bents. This will spread the load to 4 Bent A and MAIN nodes on the top level.

Fan loading per node = fan wt / 4 =	1,734	lbs.	Bent A nodes P4, P5, P11 and P12
Fan mass per node = (fan loading -thrust)/ (4*g) =	2.9002	(lb*sec^2/in)	Main bent nodes P5 and P6

The motors are located near the centerline of the cooling towers between bents B and C and between two MAIN Bents. The motors are located approximately 2 feet from the B bent and 4 feet from the C bent resulting in 2/3 of the weight and mass on two B bents and 1/3 on two C bents.

The B-Line Main nodes will see 2/3 of the load and the C-Line Main nodes will see 1/3 of the load and

(2/3) Motor loading per node = (2/3) wt / 2 bents =	721	lbs.	B bent nodes P4, P5, P11 and P12
(2/3) Motor mass per node = (2/3) wt / (2*g) =	1.8655	(lb*sec^2/in)	Main bent node P8 (B-line motor)
(1/3) Motor loading per node = (1/3) wt / 2 bents=	360	lbs.	C bent nodes P4, P5, P11 and P12
(1/3) Motor mass per node = (1/3) wt / (2*g) =	0.9328	(lb*sec^2/in)	Main bent node P9 (C-line moter)

6.2.1.2 Fan Support Steel

The fan and motor are bolted to W 5x16 cross members which, in turn, are bolted to steel W6x15 members which are bolted to the wooden tower. The cross members are 6 feet long (from bent to bent) and the long frame members are 24 feet long (4 bent span).

The resulting weight taken by the 4 columns under the fan is:

Cross Members:	= (2)*(6 feet)*(16 lb/ft)/(4 col) =	48	lbs.	Main bent nodes P5 and P6 (fan)
	= (2)*(6 feet)*(16 lb/ft)/(4 col)*(2/3) =	32	lbs.	Main bent node P8 (B-line motor)
	= (2)*(6 feet)*(16 lb/ft)/(4 col)*(1/3) =	16	lbs.	Main bent node P9 (C-line moter)
	= (2)*(6 feet)*(16 lb/ft)/(4 col) =	48	lbs.	A bent nodes P4, P5, P11 and P12
	= (2)*(6 feet)*(16 lb/ft)/(4 col)*(2/3) =	32	lbs.	B bent nodes P4, P5, P11 and P12
	= (2)*(6 feet)*(16 lb/ft)/(4 col)*(1/3) =	16	lbs.	C bent nodes P4, P5, P11 and P12

Long Members:	The MAIN bent top nodes will support 6 feet of the long frame steel			
	=(6 feet)*(15 lb/ft) =	90	lbs.	Main bent nodes P5 and P6 (fan)
	=(6 feet)*(15 lb/ft) =	90	lbs.	Main bent nodes P8 and P9 (motor)
	=(6 feet)*(15 lb/ft) =	90	lbs.	A bent nodes P4, P5, P11 and P12
	=(6 feet)*(15 lb/ft) =	90	lbs.	B bent nodes P4, P5, P11 and P12
	=(3 feet)*(15 lb/ft) =	45	lbs.	C bent nodes P4, P5, P11 and P12

6.2.1.3 Top Cover Fan Deck (Including Snow Load)

The load on the top deck of the towers is from the 3/8" cement board, 1-1/8" thick marine plywood, 2x6 floor joists on 24-inch centers and a 40 psf snow load.

The top cover is 3/8" thick cement board which, per sht B4, weighs 4.3 psf wet.

Per Ref. 18, 1-1/8" marine plywood weighs 3.3 psf.

Per Ref. 9, Doug Fir wood weighs 32 pcf. The floor joists result in an area weight of

Area of 2x6 =	(1.5*5.5)	8.25	in^2
located on 24-inch centers results in		4.125	in^2 per horiz. foot
Joist weight = 32 pcf * area * 1 foot =		0.917	psf

Per Ref. 1, the snow load = 40 psf

Total top cover wet weight = 48.52 psf. The weight will be applied to level P in the model.

End Bent

	In-Plane Spacing per Node (in)	Out-Of-Plane Spacing (in)	Area Supported (ft^2)	Weight (lb)	Mass per node (lb*sec^2/in)
End Node	36	36	9.0	437	1.1300
Interior Node	72	36	18.0	873	2.2601

Main and Partition Bents

	In-Plane Spacing per Node (in)	Out-Of-Plane Spacing (in)	Area Supported (ft^2)	Weight (lb)	Mass per node (lb*sec^2/in)
End Node	36	72	18.0	873	2.2601
Interior Node	72	72	36.0	1747	4.5202

Bent C

	In-Plane Spacing per Node (in)	Out-Of-Plane Spacing (in)	Area Supported (ft^2)	Weight (lb)	Mass per node (lb*sec^2/in)
End Node	36	131	32.8	1589	4.1121
Interior Node	72	131	65.5	3178	8.2242

Top Cover Fan Deck (Including Snow Load) (Continued)

Bents A and B

	In-Plane Spacing per Node (in)	Out-Of-Plane Spacing (in)	Area Supported (ft^2)	Weight (lb)	Mass per node (lb*sec^2/in)
End Node	36	72	18.0	873	2.2601
Interior Node	72	72	36.0	1747	4.5202

On the top level of the towers, the fan stacks are located over 31-foot diameter openings in the top deck. These openings will limit the number of nodes which will see top cover load.

Bent C

Bent C is not affected by the fan stack opening so the top cover load will apply to all P level nodes.

Bent B

For Bent B, nodes P1, P2, P7, P8, P9, P14 and P15 will see the full top cover load as they are not affected by the fan stack opening.
Nodes P3, P6, P10 and P13 will see approximately 7/8 of the top cover load as they are affected by the fan stack opening.
Nodes P4, P5, P11 and P12 will see approximately 5/8 of the top cover load as they are affected by the fan stack opening.

Node P3, P6, P10 and P13 =	1528	lbs.
Node P4, P5, P11 and P12 =	1092	lbs.

Bent A

For Bent A, nodes P1, P8 and P15 will see the full top cover load as they are not affected by the fan stack opening. P1 is an end node and P8 and P15 are interior nodes.
Nodes P2, P7, P9 and P14 will see approximately 7/8 of the top cover load as they are affected by the fan stack opening.
Nodes P3, P6, P10 and P13 will see approximately 1/4 of the top cover load as they are affected by the fan stack opening.

Node P2, P7, P9 and P14 =	1528	lbs.
Node P3, P6, P10 and P13 =	437	lbs.

Top Cover Fan Deck (Including Snow Load) (Continued)

End Bent

The END bent is not affected by the fan stack opening so the top cover load applies to all P level nodes.

Main Bent

For the MAIN bent, nodes P1, P2, P9 and P10 will see the full top cover load as they are not affected by the fan stack opening.
Nodes P3 and P8 will see approximately 5/8 of the top cover load as they are affected by the fan stack opening.

Node P3 and P8 = 1092 lbs.

Partition Bent

The PARTITION bent is not affected by the fan stack opening so the top cover load will apply to all P level nodes.

6.2.1.4 New Cable Tray

The tray weight is 60 lb/ft. It is routed the length of the towers 3'-10" west of Bent C per drawing G191374 (Ref. 7.15).

BENT C

Row	In Plane Spacing per Node (in)	Cable Tray weight per node (lb)	Mass per node (lb*sec^2/in)	
End Node	36	180	0.4658	Bent C node P1
Interior Node	72	360	0.9317	Bent C nodes P2-P15

MAIN AND PARTITION BENT

Row	Out of Plane Spacing per Node (in)	Cable Tray weight per node (lb)	Mass per node (lb*sec^2/in)	
Interior Node	72	360		

The cable tray is located approximately mid-way between nodes P9 and P10.

Load per node = 1/2*tray load =	180	0.4658	Nodes P9 and P10

END BENT

Row	Out of Plane Spacing per Node (in)	Cable Tray weight per node (lb)	Mass per node (lb*sec^2/in)	
End Node	36	90	0.2329	Nodes P9 and P10

In addition to the uniform load along bent C, the END bent along column 9 will see a point loads from the cable tray running up the end of the tower. The cable is cable tied to the tray and the tray is attach to the bent at each horizontal structural member. This results in a nodal load based on the horizontal memb spacing and a tray weight of 60 lb/ft.

New Cable Tray (Continued)

Row	Elevation (in)	Vert Span per Level (in)	Cable Tray Load (lb)	Mass per node (lb*sec^2/in)	
End Bent - all levels present					
F	195				
G	243	48	240	0.6211	END bent node G9, MAIN Bent 2FIL1
H	291	48	240	0.6211	END bent node H9, MAIN Bent H1
I	339	48	240	0.6211	END bent node I9, MAIN Bent 3FIL1
J	387	48	240	0.6211	END bent node J9, MAIN Bent J1
K	435	48	240	0.6211	END bent node K9, MAIN Bent 4FIL1
L	483	48	240	0.6211	END bent node L9, MAIN Bent L1
M	531	40.71875	204	0.5269	END bent node M9, MAIN Bent M1
N	564.4375	61.5	308	0.7958	END bent node N9, MAIN Bent 5FIL1
P	654	44.78125	224	0.5795	END bent node P9, MAIN Bent P1

le P9 loading = tray weight plus riser weight = 314 lbs.

Bent C Node P1 supports riser also = 90 lbs.

6.2.1.5 Manifold Pipe

The weight of the circulating water distribution header is calculated assuming 60" OD fiberglass pipe with a wall thickness of 1/2".

The density of the fiberglass material is 120 pcf per Reference 19.

Determine pipe weight per foot: thick = 0.5 in

OD = 60 in ID = 59 in

pipe area/ft =	PI * (OD^2 - ID^2) / 4 =	93.46	in^2 / ft
pipe weight =	A * (12 *in) *fiberglass density =	78	lb / ft
water area/ft =	PI * (ID^2) / 4 =	2733.97	in^2 / ft
water weight / ft =	A * (12 *in) * water density =	1185	lb / ft
	Total pipe + water weight =	1263	lb / ft

For the interior nodes, the support spacing for the pipe is 72 inches.
For the end nodes, the support spacing for the pipe is 36 inches.

Interior Nodal Load = (total weight per foot) * (6 feet) =	7576	lb / node
End Nodal Load = (total weight per foot) * (3 feet) =	3788	lb / node

End Bent Nodal Loading:

Load on nodes N2 N3, N8 and N9 = (end nodal load) / 2 =	1894	lb / node
Load on nodes N2 N3, N8 and N9 = (end nodal mass) / 2 =	4.9014	lb *sec^2 / in

Main and Partition Bent Nodal Loading:

Load on nodes N2 N3, N8 and N9 = (interior nodal load) / 2 =	3788	lb / node
Load on nodes N2 N3, N8 and N9 = (interior nodal mass) / 2 =	9.8028	lb *sec^2 / in

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The manifold pipe loads Bents B and C on model level N, Elev. 564". Bent A does not support the manifold pipe.

Interior Nodal Load = (total weight per foot) * (6 feet) =	7576	lb / node
End Nodal Load = (total weight per foot) * (3 feet) =	3788	lb / node

Bents B and C

Load on nodes (interior nodal load) / 2 =	3788	lb / node
Mass on nodes = (interior nodal mass) / 2 =	9.8028	lb *sec^2 / in
Load on nodes (end nodal load) / 2 =	1894	lb / node
Mass on nodes = (end nodal mass) / 2 =	4.9014	lb *sec^2 / in

6.2.1.6 Hot Water Basin

Per sheet B4, the weight of the water in the Hot Basin is defined as 46 psf.
This is based on a depth of 8-3/4" for normal operating conditions.

Use water weight = 46 psf

Longitudinal Direction, Loads on Bents B and C

The load is distributed in the longitudinal direction between two sets of in-plane nodes. The nodes for Bent B will see 1/4 of the of the total hot basin load and Bent C will take the other 3/4.

Bent Nodes	In-Plane Spacing per Node (in)	Out-of-Plane Spacing (in)	Area Supported (ft^2)	Weight (lb)	Mass per node (lb*sec^2/in)
Bent C					
end nodes	36	108	27.0	1242	3.2143
interior nodes	72	108	54.0	2484	6.4286
Bent B					
end nodes	36	36	9.0	414	1.0714
interior nodes	72	36	18.0	828	2.1429

Transverse Direction, Load on End, Main and Partition Bents

The load is distributed in the transverse direction between three sets of in-plane nodes. The exterior nodes will see 1/2 of the of the total hot basin load and the interior node will take the other 1/2.

	In-Plane Spacing per Node (in)	Out-Of-Plane Spacing (in)	Area Supported (ft^2)	Weight (lb)	Mass per node (lb*sec^2/in)
End Bent					
exterior node	36	36	9.0	414	1.0714
interior node	72	36	18.0	828	2.1429
Main and Partition Bents					
exterior node	36	72	18.0	828	2.1429
interior node	72	72	36.0	1656	4.2857

6.2.1.7 T-Bar Fill and Water in Transit

This section of the calculation will determine the T-Bar fill in the tower. The fill weight wil be distributed along the horizontal members at the fill wire anchor locations. The weight will be distributed to horizontal framing members along model levels E, G, I, K and N. It is assumed the fill wires are not attached to the framing members at levels F, H, J, L or M based on the drawing details. Each wire anchor location will take 1/2 of the load from each of the next tie locations in the horizontal in-plane direction and 1/2 of the load to the next horizontal framing member out of-plane. In addition, the wire location will take 1/2 of the l to the above and below horizontal members. The T-bar installation configuration is shown in References 7.6, 7.7 and 7.8.

2x8 Fill Density (pcf)	4x8 Fill Density (pcf)	Center wire Fill Density
2.53	1.88	2.205

The nodes for the models are shown on the following sheets:

Bent A	Sheets E7-E20	End Bent	Sheets E140-E152
Bent B	Sheets E42-E54	Main Bent	Sheets E180-E192
Bent C	Sheets E81-E97	Partition Bent	Sheets E226-E238

Main and Partition Bents

Level	Level Elev. (in)	Vertical Spacing (in)	Tributary Wire Length (in)	Tributary In-Plane Spacing (in)	Tributary Out-of-Plane Spacing (in)	Volume per Anchor (ft^3)	**Using 2x8 Fill Density (lbs)**	**Using 4x8 Fill Density (lbs)**	**Using Average Density (lbs)**
E	162.25	40.375	41.72	24	72	41.72	**106**	**78**	
E outer	162.25	40.375	41.72	14	72	24.34	**62**		
E center	162.25	40.375	41.72	24	72	41.72			**92**
G	243	88.375	91.33	24	72	91.33	**231**	**172**	
G outer	243	88.375	91.33	14	72	53.27	**135**		
G center	243	88.375	91.33	24	72	91.33			**201**
I	339	96	99.21	24	72	99.21	**251**	**187**	
I outer	339	96	99.21	14	72	57.87	**146**		
I center	339	96	99.21	24	72	99.21			**219**
K	435	112.72	116.49	24	72	116.49	**295**	**219**	
K outer	435	112.72	116.49	14	72	67.95	**172**		
K center	435	112.72	116.49	24	72	116.49			**257**
N	564.4375	64.72	66.88	24	72	66.88	**169**	**126**	
N outer	564.4375	64.72	66.88	14	72	39.01	**99**		
N center	564.4375	64.72	66.88	24	72	66.88			**147**

T-Bar Fill and Water in Transit (Continued)

End Bent

Level	Level Elev. (in)	Vertical Spacing (in)	Tributary Wire Length (in)	Tributary In-Plane Spacing (in)	Tributary Out-of-Plane Spacing (in)	Volume per Anchor (ft^3)	**Using 2x8 Fill Density (lbs)**	**Using 4x8 Fill Density (lbs)**	**Using Average Density (lbs)**
E	162.25	40.375	41.72	24	36	20.86	**53**	**39**	
E outer	162.25	40.375	41.72	14	36	12.17	**31**		
E center	162.25	40.375	41.72	24	36	20.86			**46**
G	243	88.375	91.33	24	36	45.66	**116**	**86**	
G outer	243	88.375	91.33	14	36	26.64	**67**		
G center	243	88.375	91.33	24	36	45.66			**101**
I	339	96	99.21	24	36	49.60	**125**	**93**	
I outer	339	96	99.21	14	36	28.94	**73**		
I center	339	96	99.21	24	36	49.60			**109**
K	435	112.72	116.49	24	36	58.24	**147**	**109**	
K outer	435	112.72	116.49	14	36	33.97	**86**		
K center	435	112.72	116.49	24	36	58.24			**128**
N	564.4375	64.72	66.88	24	36	33.44	**85**	**63**	
N outer	564.4375	64.72	66.88	14	36	19.51	**49**		
N center	564.4375	64.72	66.88	24	36	33.44			**74**

T-Bar Fill and Water in Transit (Continued)

BENTS A, B and C

To determine the T-bar fill loading on the longitudinal bents A, B and C the nodal loads from the fill wire hanger locations will be accounted for.

LEVEL N The load from each of the transverse bent nodes N1A, N1B and N1C will be applied to the longitudinal bent C at the N level.

		END	MAIN	PARTITION
Loads:	N1A =	49	99	99
	N1B =	85	169	169
	N1C =	74	147	147
	Bent C load =	208	415	415

The load from nodes N2A, N2B and N2C will be applied to bents C and B.

		END	MAIN	PARTITION
Loads:	N2A =	74	147	147
	N2B =	63	126	126
	N2C =	63	126	126
	Bent C load from N2A=	67	134	134
	Bent B load from N2A=	7	13	13
	Bent C load from N2B=	36	73	73
	Bent B load from N2B=	27	53	53
	Bent C load from N2C=	15	31	31
	Bent B load from N2C=	48	95	95
	Bent C load =	119	237	237
	Bent B load =	81	162	162
	Summation Bent C Load =	326	653	653
	Summation Bent B Load =	81	162	162

6.46	24	24	17.54
	LENGTH =	72	

Long. Bent Node 5FIL1	Long. Bent Node 5FIL2-7 and 5FIL9-14	Long. Bent Node 5FIL8 and 5FIL15

T-Bar Fill and Water in Transit (Continued)

LEVEL K The load from each of the transverse bent nodes K1A and K1B will be applied to the longitudinal bent C at the K level.

		END	MAIN	PARTITION
Loads:	K1A =	86	172	172
	K1B =	147	295	295
	Bent C load =	233	467	467

The load from nodes K2A, K2B and K2C will be applied to bents C and B.

		END	MAIN	PARTITION
Loads:	K2A =	128	257	257
	K2B =	128	257	257
	K2C =	109	219	219
	Bent C load from K2A=	99	198	198
	Bent B load from K2A=	29	59	59
	Bent C load from K2B=	56	113	113
	Bent B load from K2B=	72	144	144
	Bent C load from K2C=	11	23	23
	Bent B load from K2C=	98	196	196
	Bent C load =	167	334	334
	Bent B load =	200	399	399

16.46	24	24	7.54
	LENGTH =	72	

The load from node K3A will be applied to bents B and A.

		END	MAIN	PARTITION
Loads:	K3A =	109	219	219
	Bent B load from K3A=	84	169	169
	Bent A load from K3A=	25	50	50
	Summation Bent C Load =	400	800	800
	Summation Bent B Load =	284	568	568
	Summation Bent A Load =	25	50	50

16.46	55.54	0	0
	LENGTH =	72	

Long. Bent Node 4FIL1	Long. Bent Node 4FIL2-7 and 4FIL9-14	Long. Bent Node 4FIL8 and 4FIL15

T-Bar Fill and Water in Transit (Continued)

LEVEL I The load from the transverse bent nodes I1A will be applied to the longitudinal bent C at the I level.

		END	MAIN	PARTITION
Loads:	I1A =	73	146	146
Bent C load =		73	146	146

The load from nodes I2A, I2B and I2C will be applied to bents C and B.

		END	MAIN	PARTITION
Loads:	I2A =	125	251	251
	I2B =	109	219	219
	I2C =	109	219	219
Bent C load from I2A=		98	197	197
Bent B load from I2A=		27	54	54
Bent C load from I2B=		49	99	99
Bent B load from I2B=		60	120	120
Bent C load from I2C=		13	26	26
Bent B load from I2C=		96	193	193
Bent C load =		161	322	322
Bent B load =		183	367	367

15.49	24	24	8.51
	LENGTH =	72	

T-Bar Fill and Water in Transit (Continued)

The load from nodes I3A and I3B will be applied to bents B and A.

		END	MAIN	PARTITION
Loads:	I3A =	93	187	187
	I3B =	93	187	187
Bent B load from I3A=		73	146	146
Bent A load from I3A=		20	40	40
Bent B load from I3B=		42	84	84
Bent A load from I3B=		51	102	102
Bent B load =		115	231	231
Bent A load =		71	142	142
Summation Bent C Load =		234	468	468
Summation Bent B Load =		299	597	597
Summation Bent A Load =		71	142	142

15.49	24	24	8.51

LENGTH = 72

Long. Bent Node 3FIL1	Long. Bent Node 3FIL2-7 and 3FIL9-14	Long. Bent Node 3FIL8 and 3FIL15

T-Bar Fill and Water in Transit (Continued)

LEVEL G The load from the transverse bent nodes G1A will be applied to the longitudinal bents at the G level.

The load from nodes G2A, G2B and G2C will be applied to bents C and B.

		END	MAIN	PARTITION
Loads:	G2A =	67	135	135
	G2B =	116	231	231
	G2C =	101	201	201
Bent C load from G2A=		53	107	107
Bent B load from G2A=		14	28	28
Bent C load from G2B=		53	106	106
Bent B load from G2B=		63	125	125
Bent C load from G2C=		13	25	25
Bent B load from G2C=		88	176	176
Bent C load =		119	238	238
Bent B load =		165	329	329

15	24	24	9
	LENGTH =	72	

The load from nodes G3A, G3B and G3C will be applied to bents B and A.

		END	MAIN	PARTITION
Loads:	G3A =	101	201	201
	G3B =	86	172	172
	G3C =	86	172	172
Bent B load from G3A=		80	159	159
Bent A load from G3A=		21	42	42
Bent B load from G3B=		39	79	79
Bent A load from G3B=		47	93	93
Bent B load from G3C=		11	21	21
Bent A load from G3C=		75	150	150
Bent B load =		130	260	260
Bent A load =		143	285	285

15	24	24	9
	LENGTH =	72	

Summation Bent C Load =	119	238	238
Summation Bent B Load =	295	589	589
Summation Bent A Load =	143	285	285

Long. Bent Node 2FIL1	Long. Bent Node 2FIL2-7 and 2FIL9-14	Long. Bent Node 2FIL8 and 2FIL15

T-Bar Fill and Water in Transit (Continued)

LEVEL E The load from the transverse bent nodes E2A and E2B will be applied to the longitudinal bents at the E level.

The load from nodes E2A and E2B will be applied to bents C and B.

		END	MAIN	PARTITION				
Loads:	E2A =	31	62	62	36	24	10	0
	E2B =	53	106	106				
						LENGTH =	70	
Bent B load from E2A=		15	30	30				
Bent A load from E2A=		16	32	32				
Bent B load from E2B=		8	15	15				
Bent A load from E2B=		45	90	90				
Bent C load =		22	45	45				
Bent B load =		61	122	122				

The load from nodes E3A, E3B and E3C will be applied to bents B and A.

		END	MAIN	PARTITION				
Loads:	E3A =	46	92	92	12	24	24	12
	E3B =	46	92	92				
	E3C =	39	78	78		LENGTH =	72	
Bent B load from E3A=		38	77	77				
Bent A load from E3A=		8	15	15				
Bent B load from E3B=		23	46	46				
Bent A load from E3B=		23	46	46				
Bent B load from E3C=		7	13	13				
Bent A load from E3C=		33	65	65				
Bent B load =		68	136	136				
Bent A load =		63	127	127				

T-Bar Fill and Water in Transit (Continued)

The load from node E4A will be applied to TWO Bent A nodes.

	END	MAIN	PARTITION
Loads: E4A =	39	78	78
Bent A load from E4A=	33	65	65
Bent A load from E4A=	7	13	13
Bent A load =	33	65	65
Summation Bent C Load =	22	45	45
Summation Bent B Load =	129	258	258
Summation Bent A Load =	96	192	192

Long. Bent Node 1FIL1	Long. Bent Node 1FIL2-7 and 1FIL9-14	Long. Bent Node 1FIL8 and 1FIL15	

12 24 36 0

LENGTH = 72

6.2.1.8 Partition and End Wall Cladding

The partition and end wall bents will take all of the wall weight in the transverse direction. There is no cladding on the Main Bents.

The end wall is constructed of 3/8" corrugated C.A.B. Per sheet B4, the wet weight is 5.0 psf.

Per sheet B4, the partition wall is constructed of 2 layers of 1/2" corrugated C.A.B. The wet weight is defined as 11.8 psf.

	Elevation (in)	Vert Span per Level (in)	Horiz Spacing per Node (in)	End Wall square footage per node (ft^2)	End Wall weight per node (lb)	Mass per node (lb*sec^2/in)
	End Bent					
D end	146.5	7.875	36	1.969	9.8	0.0255
D interior	146.5	7.875	72	3.938	19.7	0.0510
E end	162.25	24.25	36	6.063	30.3	0.0784
E interior	162.25	24.25	72	12.125	60.6	0.1569
F end	195	40.375	36	10.094	50.5	0.1306
F interior	195	40.375	72	20.188	100.9	0.2612
G end	243	48	36	12.000	60.0	0.1553
G interior	243	48	72	24.000	120.0	0.3106
H end	291	48	36	12.000	60.0	0.1553
H interior	291	48	72	24.000	120.0	0.3106
I end	339	48	36	12.000	60.0	0.1553
I interior	339	48	72	24.000	120.0	0.3106
J end	387	48	36	12.000	60.0	0.1553
J interior	387	48	72	24.000	120.0	0.3106
K end	435	48	36	12.000	60.0	0.1553
K interior	435	48	72	24.000	120.0	0.3106
L end	483	48	36	12.000	60.0	0.1553
L interior	483	48	72	24.000	120.0	0.3106
M end	531	40.719	36	10.180	50.9	0.1317
M interior	531	40.719	72	20.359	101.8	0.2634
N end	564.4375	55	36	13.750	68.8	0.1779
N interior	564.4375	55	72	27.500	137.5	0.3558
O end	641	44.78125	36	11.195	56.0	0.1449
O interior	641	44.78125	72	22.391	112.0	0.2897
P end	654	6.500	36	1.625	8.1	0.0210
P interior	654	6.500	72	3.250	16.3	0.0421

Partition and End Wall Cladding (Continued)

Row	Elevation (in)	Vert Span per Level (in)	Horiz Spacing per Node (in)	End Wall square footage per node (ft^2)	End Wall weight per node (lb)	Mass per node (lb*sec^2/in)
End Bent with Levels F, H, J, L, N and O redistributed						
D end	146.5	7.875	36	1.969	9.8	0.0255
D interior	146.5	7.875	72	3.938	19.7	0.0510
E end	162.25	48.25	36	12.063	60.3	0.1561
E interior	162.25	48.25	72	24.125	120.6	0.3122
G end	243	88.375	36	22.094	110.5	0.2859
G interior	243	88.375	72	44.188	220.9	0.5718
I end	339	96	36	24.000	120.0	0.3106
I interior	339	96	72	48.000	240.0	0.6211
K end	435	96	36	24.000	120.0	0.3106
K interior	435	96	72	48.000	240.0	0.6211
M end	531	109.5	36	27.375	136.9	0.3542
M interior	531	109.500	72	54.750	273.8	0.7085
P end	654	61.500	36	15.375	76.9	0.1990
P interior	654	61.500	72	30.750	153.8	0.3979

Partition and End Wall Cladding (Continued)

Row	Elevation (in)	Vert Span per Level (in)	Horiz Spacing per Node (in)	Partition Wall square footage per node (ft^2)	Partition Wall weight per node (lb)	Mass per node (lb*sec^2/in)
	Partition Bents					
E end	162.25	16.375	36	4.094	48.3	0.1250
E interior	162.25	16.375	72	8.188	96.6	0.2500
F end	195	40.375	36	10.094	119.1	0.3082
F interior	195	40.375	72	20.188	238.2	0.6165
G end	243	48	36	12.000	141.6	0.3665
G interior	243	48	72	24.000	283.2	0.7329
H end	291	48	36	12.000	141.6	0.3665
H interior	291	48	72	24.000	283.2	0.7329
I end	339	48	36	12.000	141.6	0.3665
I interior	339	48	72	24.000	283.2	0.7329
J end	387	48	36	12.000	141.6	0.3665
J interior	387	48	72	24.000	283.2	0.7329
K end	435	48	36	12.000	141.6	0.3665
K interior	435	48	72	24.000	283.2	0.7329
L end	483	48	36	12.000	141.6	0.3665
L interior	483	48	72	24.000	283.2	0.7329
M end	531	40.719	36	10.180	120.1	0.3109
M interior	531	40.719	72	20.359	240.2	0.6217
N end (3/4 area)	564.4375	55	36	13.750	121.7	0.3149
N interior	564.4375	55	72	27.500	324.5	0.8398
O end	641	44.78125	36	11.195	132.1	0.3419
O interior	641	44.78125	72	22.391	264.2	0.6838
P end	654	6.500	36	1.625	19.2	0.0496
P interior	654	6.500	72	3.250	38.4	0.0992

Partition and End Wall Cladding (Continued)

Row	Elevation (in)	Vert Span per Level (in)	Horiz Spacing per Node (in)	Partition Wall square footage per node (ft^2)	Partition Wall weight per node (lb)	Mass per node (lb*sec^2/in)

Partition Bents with Level O redistributed

E end	162.25	16.375	36	4.094	48.3	0.1250
E interior	162.25	16.375	72	8.188	96.6	0.2500
F end	195	40.375	36	10.094	119.1	0.3082
F interior	195	40.375	72	20.188	238.2	0.6165
G end	243	48	36	12.000	141.6	0.3665
G interior	243	48	72	24.000	283.2	0.7329
H end	291	48	36	12.000	141.6	0.3665
H interior	291	48	72	24.000	283.2	0.7329
I end	339	48	36	12.000	141.6	0.3665
I interior	339	48	72	24.000	283.2	0.7329
J end	387	48	36	12.000	141.6	0.3665
J interior	387	48	72	24.000	283.2	0.7329
K end	435	48	36	12.000	141.6	0.3665
K interior	435	48	72	24.000	283.2	0.7329
L end	483	48	36	12.000	141.6	0.3665
L interior	483	48	72	24.000	283.2	0.7329
M end	531	40.719	36	10.180	120.1	0.3109
M interior	531	40.719	72	20.359	240.2	0.6217
N end	564.4375	61.5	36	15.375	181.4	0.4695
N interior	564.4375	61.5	72	30.750	362.9	0.9391
P end	654	44.781	36	11.195	132.1	0.3419
P interior	654	44.781	72	22.391	264.2	0.6838

Partition and End Wall Cladding (Continued)

Row	Elevation (in)	Vert Span per Level (in)	Horiz Spacing per Node (in)	Partition Wall square footage per node (ft^2)	Partition Wall weight per node (lb)	Mass per node (lb*sec^2/in)
Partition Bents with levels F, H, J, L, N, and O redistributed						
E end	162.25	40.375	36	10.094	119.1	0.3082
E interior	162.25	40.375	72	20.188	238.2	0.6165
G end	243	88.375	36	22.094	260.7	0.6747
G interior	243	88.375	72	44.188	521.4	1.3494
I end	339	96	36	24.000	283.2	0.7329
I interior	339	96	72	48.000	566.4	1.4658
K end	435	96	36	24.000	283.2	0.7329
K interior	435	96	72	48.000	566.4	1.4658
M end	531	109.5	36	27.375	323.0	0.8360
M interior	531	109.500	72	54.750	646.1	1.6720
P end	654	61.500	36	15.375	181.4	0.4695
P interior	654	61.500	72	30.750	362.9	0.9391

Partition and End Wall Cladding (Continued)

Row	Elevation (in)	Vert Span per Level (in)	Horiz Spacing per Node (in)	Partition Wall square footage per node (ft^2)	Partition Wall weight per node (lb)	Mass per node (lb*sec^2/in)
Partition Bents including Level O and with levels F, H, J, L, and N redistributed						
E end	162.25	40.375	36	10.094	119.1	0.3082
E interior	162.25	40.375	72	20.188	238.2	0.6165
G end	243	88.375	36	22.094	260.7	0.6747
G interior	243	88.375	72	44.188	521.4	1.3494
I end	339	96	36	24.000	283.2	0.7329
I interior	339	96	72	48.000	566.4	1.4658
K end	435	96	36	24.000	283.2	0.7329
K interior	435	96	72	48.000	566.4	1.4658
M end	531	103	36	25.750	303.9	0.7864
M interior	531	103.000	72	51.500	607.7	1.5727
O end	641	61.5	36	15.375	181.4	0.4695
O interior	641	61.500	72	30.750	362.9	0.9391
P end	654	6.500	36	1.625	19.2	0.0496
P interior	654	6.500	72	3.250	38.4	0.0992

Partition and End Wall Cladding (Continued)

BENT A

Bents A will see end and partition loads on column lines 1, 8 and 15.

BENT A	Elevation (in)	Vertical Spacing (in)	Tributary Out-of-Plane Spacing (in)	Area per Node (ft^2)	End Wall Weight Per Node (lb)	Partition Wall Weight Per Node (lb)
A	not attached					
B	not attached					
C	122.5	48.25	72	24.125		285
D	144	37.5	72	18.75	94	
E	not attached					
F	219	85.5	72	42.75	214	504
G	not attached					
H	315	96	72	48	240	566
I	not attached					
J	411	96	72	48	240	566
K	not attached					
L	507	72	72	36	180	425
M	555	73.5	72	36.75	184	434
P	654	49.5	72	24.75	124	292

note: Use Level C for the partition wall but not end wall.

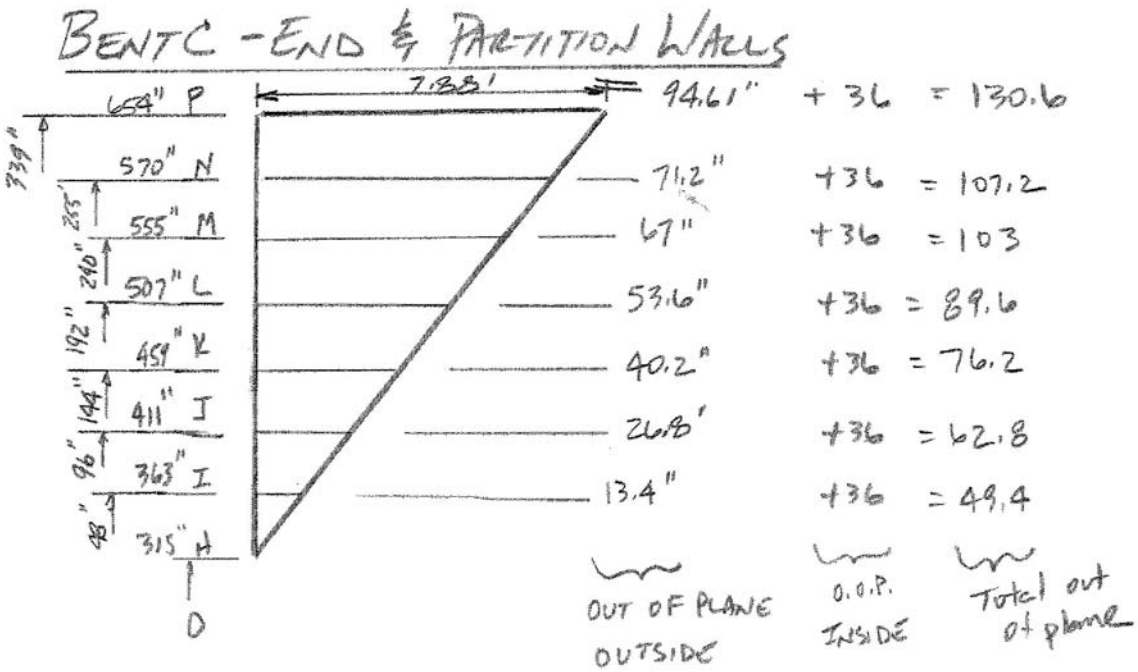
Partition and End Wall Cladding (Continued)

BENT B

Bent B will see end and partition loads on column lines 1, 8 and 15.

BENT B	Elevation (in)	Vertical Spacing (in)	Tributary Out-of-Plane Spacing (in)	Area per Node (ft^2)	End Wall Weight Per Node (lb)	Partition Wall Weight Per Node (lb)
A	not attached					
B	not attached					
C	not attached					
D	144	13.375	72	6.6875	33	79
E	170.75	37.5	72	18.75	94	221
F	219	48.125	72	24.0625	120	284
G	267	48	72	24	120	283
H	315	48	72	24	120	283
I	363	48	72	24	120	283
J	411	48	72	24	120	283
K	459	48	72	24	120	283
L	507	48	72	24	120	283
M	555	31.5	72	15.75	79	186
N	570	49.5	72	24.75	124	292
P	654	42	72	21	105	248

Partition and End Wall Cladding (Continued)



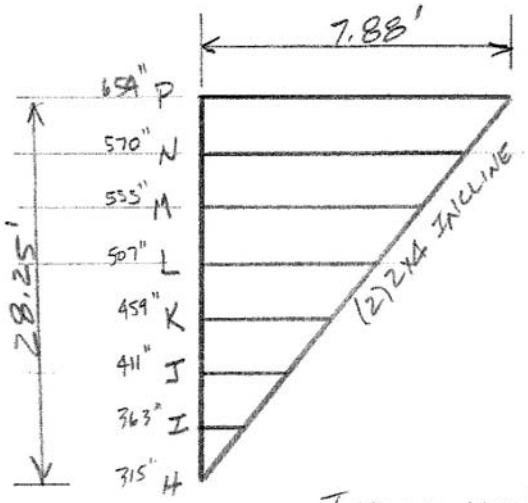
BENT C	Elevation (in)	Vertical Spacing (in)	Tributary Out-of-Plane Spacing END (in)	Tributary Out-of-Plane Spacing PARTITION (in)
A	not attached			
B	not attached			
C	not attached			
D	144	37.5	36	36
E	not attached			
F	219	61.5	36	36
G	267	48	36	36
H	315	48	36	36
I	363	48	49.4	49.4
J	411	48	62.8	62.8
K	459	48	76.2	76.2
L	507	48	89.6	89.6
M	555	31.5	103	103
N	570	49.5	107.2	
P	654	42	130.6	

Partition and End Wall Cladding (Continued)

BENT C	Area per Node END (ft^2)	Area per Node PARTITION (ft^2)	End Wall Weight Per Node (lb)	Partition Wall Weight Per Node (lb)
A				
B				
C				
D	9	9	47	111
E				
F	15	15	77	181
G	12	12	60	142
H	12	12	60	142
I	16	16	82	194
J	21	21	105	247
K	25	25	127	300
L	30	30	149	352
M	23	23	113	266
N	37		184	
P	38		190	

6.2.1.9 Triangular Wall Self Weight

Determine the self-weight of the framing members compromising the triangular wall section outside of Bent C.



use density = 35 #/FT³

HORIZ LENGTH	TYPE	WT PER FT (lb/FT)	HORIZ WT. (lb)	INCLINE WT	TOTAL WT.
94.61"	(2)2x6	4#/FT	32#	6#	38#
71.2"	(2)2x6	4#/FT	24#	13#	37#
67"	(2)2x4	3#/FT	22#	13#	35#
53.6"	(2)2x4	3#/FT	18#	13#	31#
40.2"	(2)2x4	3#/FT	13#	13#	26#
26.8"	(2)2x4	3#/FT	7#	13#	20#
13.4"	(2)2x4	3#/FT	3#	6#	9#

INCLINE WT = $(3\#/FT)(28.25^2 + 7.88^2)^{1/2} = 88\#$

Apply incline wt at 7 nodes, $= \frac{88}{7} = 13\#/node$

6.2.1.10 Louver Wall

Per sheet B4, the louver blades weigh 112 lbs. each. The blades are 6'-0" long (column to column). There are 14 rows of blades covering the height of the tower. Therefore the load per square foot is determined as follows:

The louvers are mounted on the outside of the cooling tower's sloped walls.

Height of sloped wall = SQRT(7'10.625" ^2 + (654-291)^2) =	375.1	inches
Height of straight wall = 291-146.5 =	144.5	inches
Total Wall Height =	519.6	inches
Total wall area covered by the louvers per column section = (wall height) * 6 feet =	259.82	ft^2
Weight of 14 louver blades = 14 * 112 =	1568	lbs.
Louver wall loading = weight / area =	6.04	psf

The brace angle is as follows:

$$\text{atan}\left(\frac{94.625}{654 - 291}\right) = 0.255 \quad \text{rad}$$

The brace is offset at 0.255 radians = 14.6 degrees

Louver Wall (Continued)

Row	Elevation (in)	Vert Span per Level (in)	In Plane Spacing per Node (in)	Louver Wall square footage per node (ft^2)	Louver Wall weight per node (lb)	Mass per node (lb*sec^2/in)
End Bent						
D end	146.5	7.875	36	1.969	12	0.0307
E end	162.25	24.25	36	6.063	37	0.0947
F end	195	40.375	36	10.094	61	0.1577
G end	243	48	36	12.000	72	0.1874
H end	291	48.802	36	12.201	74	0.1906
I end	339	49.604	36	12.401	75	0.1937
J end	387	49.604	36	12.401	75	0.1937
K end	435	49.604	36	12.401	75	0.1937
L end	483	49.604	36	12.401	75	0.1937
M end	531	42.079	36	10.520	63	0.1643
N end	564.4375	63.555	36	15.889	96	0.2482
P end	654	46.278	36	11.569	70	0.1807

Row	Elevation (in)	Vert Span per Level (in)	In Plane Spacing per Node (in)	Louver Wall square footage per node (ft^2)	Louver Wall weight per node (lb)	Mass per node (lb*sec^2/in)
Main and Partition Bents						
D end	146.5	7.875	72	3.938	24	0.0615
E end	162.25	24.25	72	12.125	73	0.1894
F end	195	40.375	72	20.188	122	0.3153
G end	243	48	72	24.000	145	0.3748
H end	291	68.209	72	34.105	206	0.5327
I end	339	49.604	72	24.802	150	0.3874
J end	387	49.604	72	24.802	150	0.3874
K end	435	49.604	72	24.802	150	0.3874
L end	483	49.604	72	24.802	150	0.3874
M end	531	42.079	72	21.040	127	0.3286
N end	564.4375	63.555	72	31.778	192	0.4963
P end	654	46.278	72	23.139	140	0.3614

Louver Wall (Continued)

Row	Elevation (in)	Vert Span per Level (in)	In Plane Spacing per Node (in)	Louver Wall square footage per node (ft^2)	Louver Wall weight per node (lb)	Mass per node (lb*sec^2/in)
	Bent C					
D end	144	37.5	36	9.375	57	0.1464
D interior	144	37.5	72	18.750	113	0.2929
F end	219	61.5	36	15.375	93	0.2401
F interior	219	61.5	72	30.750	186	0.4803
G end	267	48	36	12.000	72	0.1874
G interior	267	48	72	24.000	145	0.3748
H end	315	48	36	12.000	72	0.1874
H interior	315	48	72	24.000	145	0.3748
I end	363	48	36	12.000	72	0.1874
I interior	363	48	72	24.000	145	0.3748
J end	411	48	36	12.000	72	0.1874
J interior	411	48	72	24.000	145	0.3748
K end	459	48	36	12.000	72	0.1874
K interior	459	48	72	24.000	145	0.3748
L end	507	48	36	12.000	72	0.1874
L interior	507	48	72	24.000	145	0.3748
M end	555	31.5	36	7.875	48	0.1230
M interior	555	31.5	72	15.750	95	0.2460
N end	570	39	36	9.750	59	0.1523
N interior	570	39	72	19.500	118	0.3046
O end	633	42	36	10.500	63	0.1640
O interior	633	42	72	21.000	127	0.3280
P end	654	10.5	36	2.625	16	0.0410
P interior	654	10.5	72	5.250	32	0.0820

Note: Slope of louver wall has negligible effect on weight of wall.

Louver Wall (Continued)

Row	Elevation (in)	Vert Span per Level (in)	In Plane Spacing per Node (in)	Louver Wall square footage per node (ft^2)	Louver Wall weight per node (lb)	Mass per node (lb*sec^2/in)
Bent C with level O redistributed						
D end	144	37.5	36	9.375	57	0.1464
D interior	144	37.5	72	18.750	113	0.2929
F end	219	61.5	36	15.375	93	0.2401
F interior	219	61.5	72	30.750	186	0.4803
G end	267	48	36	12.000	72	0.1874
G interior	267	48	72	24.000	145	0.3748
H end	315	48	36	12.000	72	0.1874
H interior	315	48	72	24.000	145	0.3748
I end	363	48	36	12.000	72	0.1874
I interior	363	48	72	24.000	145	0.3748
J end	411	48	36	12.000	72	0.1874
J interior	411	48	72	24.000	145	0.3748
K end	459	48	36	12.000	72	0.1874
K interior	459	48	72	24.000	145	0.3748
L end	507	48	36	12.000	72	0.1874
L interior	507	48	72	24.000	145	0.3748
M end	555	31.5	36	7.875	48	0.1230
M interior	555	31.5	72	15.750	95	0.2460
N end	570	49.5	36	12.375	75	0.1933
N interior	570	49.5	72	24.750	149	0.3866
P end	654	42	36	10.500	63	0.1640
P interior	654	42	72	21.000	127	0.3280

6.2.1.11 Drift Eliminators

The nodes for the models are shown on the following sheets:

Bent A	Sheets E7-E20	End Bent	Sheets E140-E152
Bent B	Sheets E42-E54	Main Bent	Sheets E180-E192
Bent C	Sheets E81-E97	Partition Bent	Sheets E226-E238

The drift eliminator is anchored to the cooling tower transverse bents at levels E, G, I, K and M. In Att. B the drift eliminator weight is defined as 2.5 psf. Distribute the DE weight to the bent by proportioning the weight by the area of DE near the node.

END Bent

Node	Level Elev. (in)	Vertical Spacing (in)	Tributary DE Length (in)	Tributary Out-of-Plane Spacing (in)	FT^2 per node (ft^3)	**DE Weight (lbs)**	
E4B, E6A	162.25	40.375	41.72	36	10.43	**26**	
G4A, G6A	243	88.375	91.33	36	22.83	**57**	
I3C, I4A, I6A, I7A	339	96	99.21	36	24.80	**62**	**(Note: 1/2 of load to each level I node.)**
K3B, K7A	435	112.72	116.49	36	29.12	**73**	
M3A, M7A	564.4375	64.72	66.88	36	16.72	**42**	

Drift Eliminators (Continued)

MAIN and PARTITION Bents

Level	Level Elev. (in)	Vertical Spacing (in)	Tributary DE Length (in)	Tributary Out-of-Plane Spacing (in)	FT^2 per node (ft^3)	**DE Weight (lbs)**	
C	122.5	19.875	20.54				
E4B, E6A	162.25	60.25	62.26	72	31.13	**78**	
G4A, G6A	243	88.375	91.33	72	45.66	**114**	
I3C, I4A, I6A, I7A	339	96	99.21	72	49.60	**124**	**(Note: 1/2 of load to each level I node.)**
K3B, K7A	435	112.72	116.49	72	58.24	**146**	
M3A, M7A	564.4375	64.72	66.88	72	33.44	**84**	

Drift Eliminators (Continued)

BENTS A and B

DE locations on the transverse bents will be accounted for to determine the DE loading on longitudinal bents A and B.

At Level M (transverse model Elev. 531) the DE weight is applied to the transverse models at node M3A. This load will be divided between Bents A and B.

Dist. M3A from A	Dist. M3A from B
48	24

Load on M3A =	84	lbs.	
Load on Bent A nodes =	28	lbs.	Nodes (DE2-15). Load on DE1 is 1/2 that on DE2
Load on Bent B nodes =	56	lbs.	Nodes (DE2-15). Load on DE1 is 1/2 that on DE2

At Level K (transverse model Elev. 435) the DE weight is applied to the transverse models at node K3B. This load will be divided between Bents A and B.

Dist. K3B from A	Dist. K3B from B
26.5732	45.4268

Load on K3B =	146	lbs.	
Load on Bent A nodes =	92	lbs.	Nodes (4FIL2-15). Load on 4FIL1 is 1/2 that on 4FIL2
Load on Bent B nodes =	54	lbs.	Nodes (4FIL2-15). Load on 4FIL1 is 1/2 that on 4FIL2

DE weight is applied at Level I (transverse model Elev. 339) to the transverse models at nodes I3C and I4A. This load will be applied to a single A Bent.

Load on I3C and I4A =	124	lbs.	
Load on Bent A nodes =	124	lbs.	Nodes (3FIL2-15). Load on 3FIL1 is 1/2 that on 3FIL2

At Level G (transverse model Elev. 243) the DE weight is applied to the transverse models at node G4A. This load will be divided between two A bents.

Dist. G4A from A	Dist. G4A from A
46	26

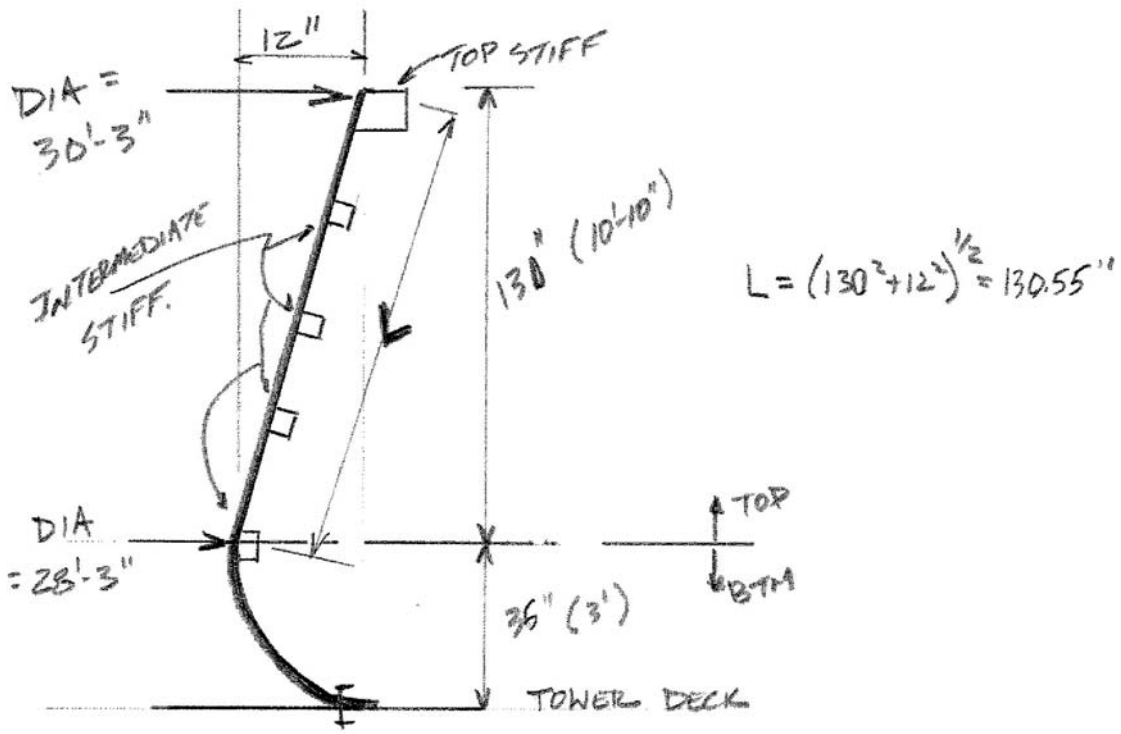
Load on K3B =	57	lbs.	
Load on Bent A nodes =	21	lbs.	Nodes (2FIL2-15). Load on 2FIL1 is 1/2 that on 2FIL2
Load on Bent A nodes =	36	lbs.	Nodes (2FIL2-15). Load on 2FIL1 is 1/2 that on 2FIL2

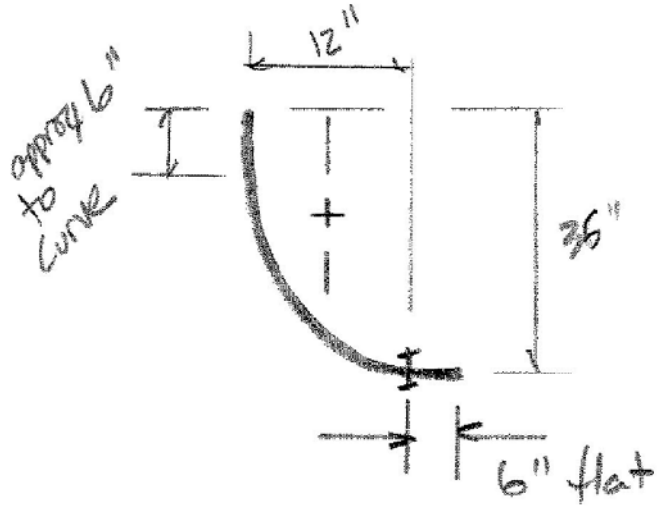
Use 36 lbs. as controlling.

6.2.1.12 Fiberglass Fan Stack

Determine weight of the fan stack:

The physical details and configuration of the CT2-1 fan stack were documented and are shown on sheet B15.





The approximate median diameter is $Stack_dia_median := 29 \cdot ft + 3 \cdot in$

The approximate diameter is $Stack_dia_top := 30 \cdot ft + 3 \cdot in$ $\quad stack_thk := 0.25 \cdot in$

$TOP_length := \sqrt{(130 \cdot in)^2 + (12 \cdot in)^2}$ $\quad TOP_length = 10.879\ ft$

$BTM_curve_length := \frac{2 \cdot \pi}{4} \cdot \sqrt{\frac{(36 \cdot in)^2 + (12 \cdot in)^2}{2}}$ $\quad BTM_curve_length = 42.149\ in$

$BTM_length := (BTM_curve_length) + (6 \cdot in)$ $\quad BTM_length = 48.149\ in$

$Shell_eff_length := (TOP_length) + (BTM_length)$ $\quad Shell_eff_length = 14.892\ ft$

Determine Volume of Fiberglass in Stack:

$Shell_volume := \pi \cdot (stack_thk) \cdot (Shell_eff_length) \cdot (Stack_dia_median)$ $\quad Shell_volume = 28.5\ ft^3$

Determine Volume of Intermediate Stiffeners in Stack:

$side_length := \sqrt{(1 \cdot in)^2 + (2.75 \cdot in)^2}$ $\quad side_length = 2.9\ in$

$Int_rib_volume := [(2) \cdot (side_length) + (2.5 \cdot in)] \cdot (stack_thk) \cdot (Stack_dia_median) \cdot (\pi) \cdot (4 \cdot ribs)$

$Int_rib_volume = 5.33\ ft^3$

Determine Volume of Top Stiffener in Stack:

The approximate diameter to the center of the top stiffener rib is 6 inches beyond the top diameter.

$Top_stiff_dia := (Stack_dia_top) + (6 \cdot in)$

$TOP_stiff_volume := [(2) \cdot (6 \cdot in) + (6.5 \cdot in)] \cdot (stack_thk) \cdot (Top_stiff_dia) \cdot (\pi) \cdot (1 \cdot ribs)$

$TOP_stiff_volume = 3.103\ ft^3$

Determine Volume of Vertical Stiffeners in Stack:

The 18 stack segments are secured together at each vertical seam by a 3-3/4"x3/8" thick plate bolted to the next segment.

$vert_stiff_thk := 0.375 \cdot in$ $\qquad$ $vert_stiff_width := 3.75 \cdot in$

$vert_stiff_volume := (18 \cdot segments) \cdot (2 \cdot ribs) \cdot (Shell_eff_length) \cdot (vert_stiff_thk) \cdot (vert_stiff_width)$

$$vert_stiff_volume = 5.24\ ft^3$$

TOTAL SHELL VOLUME:

$Total_stack_volume := (Shell_volume) + (Int_rib_volume) + (TOP_stiff_volume) + (vert_stiff_volume)$

$$Total_stack_volume = 42.18\ ft^3$$

TOTAL SHELL WEIGHT: $\qquad Fiberglass_density := 120 \cdot \frac{lb}{ft^3}$ $\qquad$ (References 19 and 27)

$Total_stack_weight := (Total_stack_volume) \cdot (Fiberglass_density)$

$Total_stack_weight = 5061\ lb$ $\qquad$ use 5100 lbs to account for nuts and bolts.

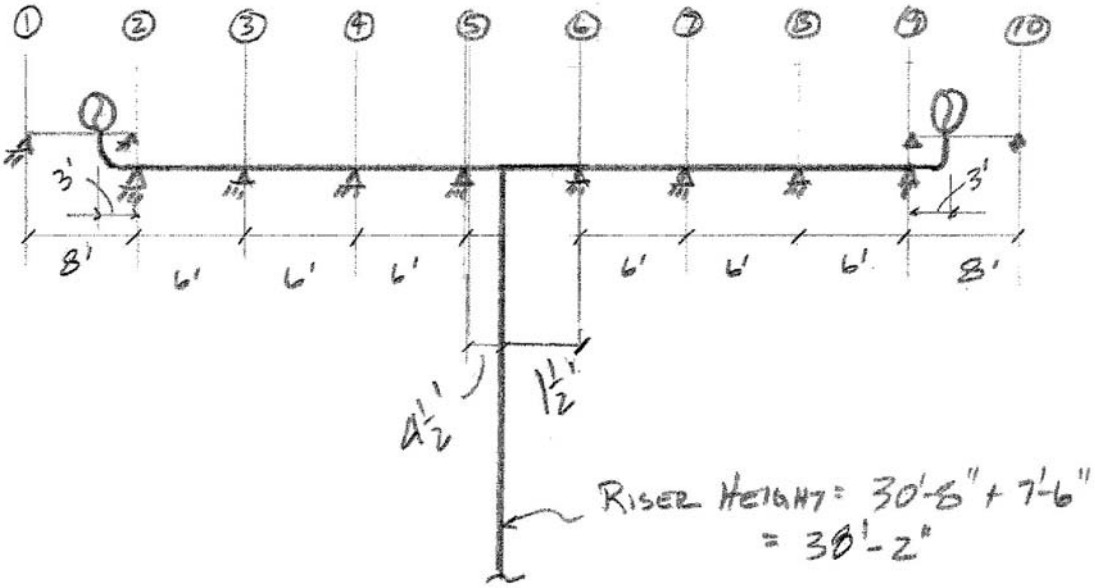
The fan stack layout is shown on drawing 5920-13331 (Ref. 7.13). From this it is seen that the fan stack loading is taken by approximately 12 columns.

Fan stack load per column = 5100/12 = 425 lbs.

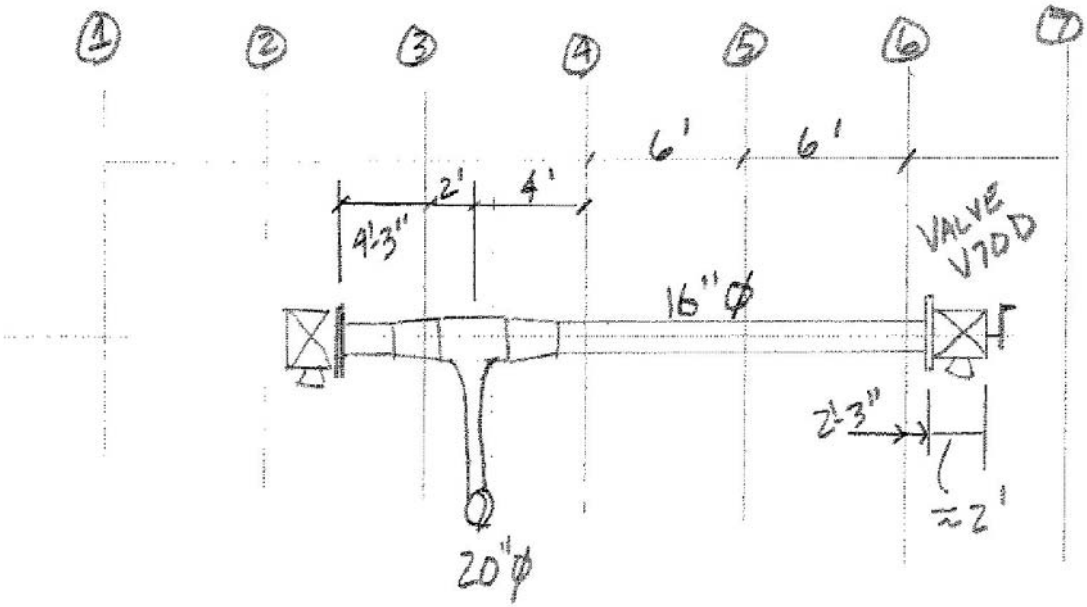
This weight will be applied to MAIN bent nodes P3 and P8 and to A bent nodes P2, P7, P9 and P14. and Bent B nodes P3 to P6 and P10 to P13.

6.2.1.13 Secondary Distribution Piping

MAIN BENT - SECONDARY DIST. PIPE



BENT C - SECONDARY DIST. PIPE



Secondary Distribution Piping (Continued)

The routing for the Secondary Distribution System piping is shown in References 7.5, 7.16 and 7.17. It rises from the ground 14'-0" south of the north end of Cell 1 18-inches from model column line 5 and 54-inches from 6. This riser is approximately 2'-0" south of a MAIN bent. It rises 38'-2" to a tee (approximate model Elev. 514.5"). From there it splits east and west 22'-6" and 25'-6" (model dimensions 58.625" and 634.625") to another tee rises 4'-6" (approximate model Elev. 590") and runs north and south.

The pipe is 20" diameter STD SCH pipe based on References 7.16 through 7.18. This cooling system will not be in use when the cooling tower is operating using the manifold pipe. The loading condition of the manifold pipe full is worse than the secondary pipe full.

Determine loading using empty secondary distribution piping.

The weight of 20-inch dia empty pipe =	80	lb/ft.	Per Ref 24, wt = 78.6 lb/ft, use 80.
The weight of 16-inch dia empty pipe =	65	lb/ft.	Per Ref 24, wt = 62.58 lb/ft, use 65.

MAIN BENT

The riser is supported at the bottom and by the branch piping at the top of the riser. Determine load on branch piping.

Riser weight on branch = 1/2*(38'-2")*(weight) = 1527 lbs. This load is taken by the supports on model column lines 5 and 6.

Load on model nodes. All load is applied to model level M.

	Pipe Run = 6' (20" dia)	Pipe Run = 3' (20" dia)	Transition Weight (lb)(see Bent C) 1204	Riser Weight (lb) 1527	Nodal Weight	1/3 Nodal Weight	2/3 Nodal Weight
M1			602		602	201	401
M2		240	602		842	281	561
M3	480				480	160	320
M4	480				480	160	320
M5	480			382	862	287	574
M6	480			1145	1625	542	1083
M7	480				480	160	320
M8	480				480	160	320
M9		240	602		842	281	561
M10			602		602	201	401

The riser and branch above is located between 2 MAIN bents. The weight will be distributed by approximately 1/3 being taken by the bent which supports the motor and 2/3 by a bent that does not support the motor.

Secondary Distribution Piping (Continued)

BENT C

Nodes N3 and N4 Load: The weight of pipe on Node N3 is comprised of a horiz. E-W pipe run, a horiz. N-S pipe run, a 90 degree elbow and the riser to the centerline of the N-S run.

Horiz EW Pipe Run	weight = (6'/2)-30")*pipe weight =	40	lbs
Horiz NS Pipe Run	weight = 3 ft*pipe weight =	240	lbs
	R = 30" L = PI*D/4=	3.93	ft
90 degree elbow	weight = length * pipe weight =	314	lbs
Vertical Run	weight = ((4.5 ft) - 30")* pipe weight =	160	lbs
N-S Run	weight = (4 ft)*(20" dia)+(2 ft)*(16" dia) =	450	lbs
	TOTAL WEIGHT =	1204	lbs

This total weight is divided between nodes N3 and N4.

N3 = 2/3*total =	803	lbs
N4 = 1/3*total =	401	lbs

Node N3 will also see load due to the 16" piping between N3 and N2.

Pipe and Valve	weight = 4.25 ft*16" pipe weight =	276.25	lbs	(accounts for valve V70D)

Node N4 will also see load due to the 16" piping between N4 and N5.

Pipe weight = 3 ft*16" pipe weight =	195	lbs
N3 Total Load =	1079	lbs
N4 Total Load =	596	lbs

Node N5 Load:

Pipe weight = 6 ft*16" pipe weight =	390	lbs

Node N6 Load:

Pipe and Valve	weight = (3 ft+4.25 ft)*16" pipe weight =	471	lbs	(accounts for valve V70A)

N5 Total Load =	390	lbs
N6 Total Load =	471	lbs

Secondary Distribution Piping (Continued)

BENTS A and B The riser feeding the tower is located 14'-0" from the north end of the tower and is located 18" from the center of a column between two BENT A columns.

Riser weight on one BENT A = (4.5/6)*(1/2)*(38'-2")*(weight) + (6 ft trib)*&weight) = 1625 lbs

This load is split between BENT A nodes DE3 and DE4

BENT A node DE3 Total Load = 1083 lbs
BENT A node DE4 Total Load = 542 lbs

BENT B is loaded by the piping passing through it. BENT B will only see load from a 6 ft tributary length.

Pipe weight weight = (6 ft)*pipe weight = 480 lbs

BENT B node DE3 Total Load = 320 lbs
BENT B node DE4 Total Load = 160 lbs

6.2.2 Applied Loads and Masses

6.2.2.1 Bent A Applied Loads and Masses

Bent A Node	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Secondary Dist. Piping Weight (lb)	Secondary Dist. Piping Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
C8	285	0.7367			285	0.7367
C15	285	0.7367			285	0.7367

Bent A Node	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Secondary Dist. Piping Weight (lb)	Secondary Dist. Piping Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
D1	94	0.2426			94	0.2426

Bent A Node	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Secondary Dist. Piping Weight (lb)	Secondary Dist. Piping Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
F1	214	0.5532			214	0.5532
F8	504	1.3055			504	1.3055
F15	504	1.3055			504	1.3055

Bent A Node	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Secondary Dist. Piping Weight (lb)	Secondary Dist. Piping Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
H1	240	0.6211			240	0.6211
H8	566	1.4658			566	1.4658
H15	566	1.4658			566	1.4658

Bent A Applied Loads and Masses (Continued)

Bent A Node	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Secondary Dist. Piping Weight (lb)	Secondary Dist. Piping Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
J1	240	0.6211			240	0.6211
J8	566	1.4658			566	1.4658
J15	566	1.4658			566	1.4658

Bent A Node	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Secondary Dist. Piping Weight (lb)	Secondary Dist. Piping Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
L1	180	0.4658			180	0.4658
L8	425	1.0994			425	1.0994
L15	425	1.0994			425	1.0994

Bent A Node	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Secondary Dist. Piping Weight (lb)	Secondary Dist. Piping Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
M1	184	0.4755			184	0.4755
M8	434	1.1223			434	1.1223
M15	434	1.1223			434	1.1223

Bent A Applied Loads and Masses (Continued)

Bent A Node	Fan, Stack and Motor Weight (lb)	Fan, Stack and Motor Mass (lb*sec^2/in)	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Top Cover Weight (lb)	Top Cover Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
P1			124	0.3203	873	2.2601	997	2.5804
P2	425	1.0999			1528	3.9552	1953	5.0551
P3					437	1.1300	437	1.1300
P4	1872	3.2573					1872	3.2573
P5	1872	3.2573					1872	3.2573
P6					437	1.1300	437	1.1300
P7	425	1.0999			1528	3.9552	1953	5.0551
P8			292	0.7558	1747	4.5202	2039	5.2760
P9	425	1.0999			1528	3.9552	1953	5.0551
P10					437	1.1300	437	1.1300
P11	1872	3.2573					1872	3.2573
P12	1872	3.2573					1872	3.2573
P13					437	1.1300	437	1.1300
P14	425	1.0999			1528	3.9552	1953	5.0551
P15			292	0.7558	1747	4.5202	2039	5.2760

Bent A Applied Loads and Masses (Continued)

Bent A Node	Drift Eliminator Weight (lb)	Drift Eliminator Mass (lb*sec^2/in)	T Bar Fill Weight (lb)	T Bar Fill Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
1FIL1			96	0.2485	96	0.2485
1FIL2			192	0.4971	192	0.4971
1FIL3			192	0.4971	192	0.4971
1FIL4			192	0.4971	192	0.4971
1FIL5			192	0.4971	192	0.4971
1FIL6			192	0.4971	192	0.4971
1FIL7			192	0.4971	192	0.4971
1FIL8			192	0.4971	192	0.4971
1FIL9			192	0.4971	192	0.4971
1FIL10			192	0.4971	192	0.4971
1FIL11			192	0.4971	192	0.4971
1FIL12			192	0.4971	192	0.4971
1FIL13			192	0.4971	192	0.4971
1FIL14			192	0.4971	192	0.4971
1FIL15			192	0.4971	192	0.4971
2FIL1	18	0.0472	143	0.3690	161	0.4162
2FIL2	36	0.0944	285	0.7381	322	0.8325
2FIL3	36	0.0944	285	0.7381	322	0.8325
2FIL4	36	0.0944	285	0.7381	322	0.8325
2FIL5	36	0.0944	285	0.7381	322	0.8325
2FIL6	36	0.0944	285	0.7381	322	0.8325
2FIL7	36	0.0944	285	0.7381	322	0.8325
2FIL8	36	0.0944	285	0.7381	322	0.8325
2FIL9	36	0.0944	285	0.7381	322	0.8325
2FIL10	36	0.0944	285	0.7381	322	0.8325
2FIL11	36	0.0944	285	0.7381	322	0.8325
2FIL12	36	0.0944	285	0.7381	322	0.8325
2FIL13	36	0.0944	285	0.7381	322	0.8325
2FIL14	36	0.0944	285	0.7381	322	0.8325
2FIL15	36	0.0944	285	0.7381	322	0.8325
3FIL1	62	0.1605	71	0.1843	133	0.3448
3FIL2	124	0.3209	142	0.3686	266	0.6895
3FIL3	124	0.3209	142	0.3686	266	0.6895
3FIL4	124	0.3209	142	0.3686	266	0.6895
3FIL5	124	0.3209	142	0.3686	266	0.6895
3FIL6	124	0.3209	142	0.3686	266	0.6895
3FIL7	124	0.3209	142	0.3686	266	0.6895
3FIL8	124	0.3209	142	0.3686	266	0.6895
3FIL9	124	0.3209	142	0.3686	266	0.6895
3FIL10	124	0.3209	142	0.3686	266	0.6895
3FIL11	124	0.3209	142	0.3686	266	0.6895
3FIL12	124	0.3209	142	0.3686	266	0.6895
3FIL13	124	0.3209	142	0.3686	266	0.6895
3FIL14	124	0.3209	142	0.3686	266	0.6895
3FIL15	124	0.3209	142	0.3686	266	0.6895

Bent A Applied Loads and Masses (Continued)

Bent A Node	Drift Eliminator Weight (lb)	Drift Eliminator Mass (lb*sec^2/in)	T Bar Fill Weight (lb)	T Bar Fill Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
4FIL1	46	0.1189	25	0.0648	71	0.1837
4FIL2	92	0.2378	50	0.1296	142	0.3673
4FIL3	92	0.2378	50	0.1296	142	0.3673
4FIL4	92	0.2378	50	0.1296	142	0.3673
4FIL5	92	0.2378	50	0.1296	142	0.3673
4FIL6	92	0.2378	50	0.1296	142	0.3673
4FIL7	92	0.2378	50	0.1296	142	0.3673
4FIL8	92	0.2378	50	0.1296	142	0.3673
4FIL9	92	0.2378	50	0.1296	142	0.3673
4FIL10	92	0.2378	50	0.1296	142	0.3673
4FIL11	92	0.2378	50	0.1296	142	0.3673
4FIL12	92	0.2378	50	0.1296	142	0.3673
4FIL13	92	0.2378	50	0.1296	142	0.3673
4FIL14	92	0.2378	50	0.1296	142	0.3673
4FIL15	92	0.2378	50	0.1296	142	0.3673

Bent A Node	Drift Eliminator Weight (lb)	Drift Eliminator Mass (lb*sec^2/in)	Secondary Dist. Piping Weight (lb)	Secondary Dist. Piping Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
DE1	14	0.0361			14	0.0361
DE2	28	0.0721			28	0.0721
DE3	28	0.0721	1083	2.8037	1111	2.8758
DE4	28	0.0721	542	1.4018	570	1.4739
DE5	28	0.0721			28	0.0721
DE6	28	0.0721			28	0.0721
DE7	28	0.0721			28	0.0721
DE8	28	0.0721			28	0.0721
DE9	28	0.0721			28	0.0721
DE10	28	0.0721			28	0.0721
DE11	28	0.0721			28	0.0721
DE12	28	0.0721			28	0.0721
DE13	28	0.0721			28	0.0721
DE14	28	0.0721			28	0.0721
DE15	28	0.0721			28	0.0721

6.2.2.2 Bent B Applied Loads and Masses

Bent B Node	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
D1	33	0.0865	33	0.0865
D8	79	0.2042	79	0.2042
D15	79	0.2042	79	0.2042

Bent B Node	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
E1	94	0.2426	94	0.2426
E8	221	0.5726	221	0.5726
E15	221	0.5726	221	0.5726

Bent B Node	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
F1	120	0.3114	120	0.3114
F8	284	0.7348	284	0.7348
F15	284	0.7348	284	0.7348

Bent B Applied Loads and Masses (Continued)

Bent B Node	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
G1	120	0.3106	120	0.3106
G8	283	0.7329	283	0.7329
G15	283	0.7329	283	0.7329

Bent B Node	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
H1	120	0.3106	120	0.3106
H8	283	0.7329	283	0.7329
H15	283	0.7329	283	0.7329

Bent B Node	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
I1	120	0.3106	120	0.3106
I8	283	0.7329	283	0.7329
I15	283	0.7329	283	0.7329

Bent B Applied Loads and Masses (Continued)

Bent B Node	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
J1	120	0.3106	120	0.3106
J8	283	0.7329	283	0.7329
J15	283	0.7329	283	0.7329

Bent B Node	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
K1	120	0.3106	120	0.3106
K8	283	0.7329	283	0.7329
K15	283	0.7329	283	0.7329

Bent B Node	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
L1	120	0.3106	120	0.3106
L8	283	0.7329	283	0.7329
L15	283	0.7329	283	0.7329

Bent B Applied Loads and Masses (Continued)

Bent B Node	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
M1	79	0.2038	79	0.2038
M8	186	0.4810	186	0.4810
M15	186	0.4810	186	0.4810

Bent B Node	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Hot Basin Weight (lb)	Hot Basin Mass (lb*sec^2/in)	Manifold Pipe Weight (lb)	Manifold Pipe Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
N1	124	0.3203	414	1.0714	1894	4.9014	2432	6.2931
N2			828	2.1429	3788	9.8028	4616	11.9457
N3			828	2.1429	3788	9.8028	4616	11.9457
N4			828	2.1429	3788	9.8028	4616	11.9457
N5			828	2.1429	3788	9.8028	4616	11.9457
N6			828	2.1429	3788	9.8028	4616	11.9457
N7			828	2.1429	3788	9.8028	4616	11.9457
N8	292	0.7558	828	2.1429	3788	9.8028	4908	12.7015
N9			828	2.1429	3788	9.8028	4616	11.9457
N10			828	2.1429	3788	9.8028	4616	11.9457
N11			828	2.1429	3788	9.8028	4616	11.9457
N12			828	2.1429	3788	9.8028	4616	11.9457
N13			828	2.1429	3788	9.8028	4616	11.9457
N14			828	2.1429	3788	9.8028	4616	11.9457
N15	292	0.7558	828	2.1429	3788	9.8028	4908	12.7015

Bent B Applied Loads and Masses (Continued)

Bent B Node	Fan, Stack and Motor Weight (lb)	Fan, Stack and Motor Mass (lb*sec^2/in)	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Top Cover Weight (lb)	Top Cover Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
P1			105	0.2717	873	2.2601	978	2.5318
P2					1747	4.5202	1747	4.5202
P3	425	1.0999			1528	3.9552	1953	5.0551
P4	1268	3.2811			1092	2.8251	2359	6.1063
P5	1268	3.2811			1092	2.8251	2359	6.1063
P6	425	1.0999			1528	3.9552	1953	5.0551
P7					1747	4.5202	1747	4.5202
P8			248	0.6413	1747	4.5202	1994	5.1615
P9					1747	4.5202	1747	4.5202
P10	425	1.0999			1528	3.9552	1953	5.0551
P11	1268	3.2811			1092	2.8251	2359	6.1063
P12	1268	3.2811			1092	2.8251	2359	6.1063
P13	425	1.0999			1528	3.9552	1953	5.0551
P14					1747	4.5202	1747	4.5202
P15			248	0.6413	1747	4.5202	1994	5.1615

Bent B Applied Loads and Masses (Continued)

Bent B Node	T Bar Fill Weight (lb)	T Bar Fill Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
1FIL1	129	0.3337	129	0.3337
1FIL2	258	0.6674	258	0.6674
1FIL3	258	0.6674	258	0.6674
1FIL4	258	0.6674	258	0.6674
1FIL5	258	0.6674	258	0.6674
1FIL6	258	0.6674	258	0.6674
1FIL7	258	0.6674	258	0.6674
1FIL8	258	0.6674	258	0.6674
1FIL9	258	0.6674	258	0.6674
1FIL10	258	0.6674	258	0.6674
1FIL11	258	0.6674	258	0.6674
1FIL12	258	0.6674	258	0.6674
1FIL13	258	0.6674	258	0.6674
1FIL14	258	0.6674	258	0.6674
1FIL15	258	0.6674	258	0.6674
2FIL1	295	0.7622	295	0.7622
2FIL2	589	1.5244	589	1.5244
2FIL3	589	1.5244	589	1.5244
2FIL4	589	1.5244	589	1.5244
2FIL5	589	1.5244	589	1.5244
2FIL6	589	1.5244	589	1.5244
2FIL7	589	1.5244	589	1.5244
2FIL8	589	1.5244	589	1.5244
2FIL9	589	1.5244	589	1.5244
2FIL10	589	1.5244	589	1.5244
2FIL11	589	1.5244	589	1.5244
2FIL12	589	1.5244	589	1.5244
2FIL13	589	1.5244	589	1.5244
2FIL14	589	1.5244	589	1.5244
2FIL15	589	1.5244	589	1.5244
3FIL1	299	0.7731	299	0.7731
3FIL2	597	1.5463	597	1.5463
3FIL3	597	1.5463	597	1.5463
3FIL4	597	1.5463	597	1.5463
3FIL5	597	1.5463	597	1.5463
3FIL6	597	1.5463	597	1.5463
3FIL7	597	1.5463	597	1.5463
3FIL8	597	1.5463	597	1.5463
3FIL9	597	1.5463	597	1.5463
3FIL10	597	1.5463	597	1.5463
3FIL11	597	1.5463	597	1.5463
3FIL12	597	1.5463	597	1.5463
3FIL13	597	1.5463	597	1.5463
3FIL14	597	1.5463	597	1.5463
3FIL15	597	1.5463	597	1.5463

Bent B Applied Loads and Masses (Continued)

Bent B Node	Drift Eliminator Weight (lb)	Drift Eliminator Mass (lb*sec^2/in)	T Bar Fill Weight (lb)	T Bar Fill Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
4FIL1	27	0.0695	284	0.7350	311	0.8046
4FIL2	54	0.1391	568	1.4701	622	1.6092
4FIL3	54	0.1391	568	1.4701	622	1.6092
4FIL4	54	0.1391	568	1.4701	622	1.6092
4FIL5	54	0.1391	568	1.4701	622	1.6092
4FIL6	54	0.1391	568	1.4701	622	1.6092
4FIL7	54	0.1391	568	1.4701	622	1.6092
4FIL8	54	0.1391	568	1.4701	622	1.6092
4FIL9	54	0.1391	568	1.4701	622	1.6092
4FIL10	54	0.1391	568	1.4701	622	1.6092
4FIL11	54	0.1391	568	1.4701	622	1.6092
4FIL12	54	0.1391	568	1.4701	622	1.6092
4FIL13	54	0.1391	568	1.4701	622	1.6092
4FIL14	54	0.1391	568	1.4701	622	1.6092
4FIL15	54	0.1391	568	1.4701	622	1.6092
5FIL1			81	0.2090	81	0.2090
5FIL2			162	0.4180	162	0.4180
5FIL3			162	0.4180	162	0.4180
5FIL4			162	0.4180	162	0.4180
5FIL5			162	0.4180	162	0.4180
5FIL6			162	0.4180	162	0.4180
5FIL7			162	0.4180	162	0.4180
5FIL8			162	0.4180	162	0.4180
5FIL9			162	0.4180	162	0.4180
5FIL10			162	0.4180	162	0.4180
5FIL11			162	0.4180	162	0.4180
5FIL12			162	0.4180	162	0.4180
5FIL13			162	0.4180	162	0.4180
5FIL14			162	0.4180	162	0.4180
5FIL15			162	0.4180	162	0.4180

Bent B Applied Loads and Masses (Continued)

Bent B Node	Drift Eliminator Weight (lb)	Drift Eliminator Mass (lb*sec^2/in)	Secondary Dist. Piping Weight (lb)	Secondary Dist. Piping Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
DE1	28	0.0721			28	0.0721
DE2	56	0.1442			56	0.1442
DE3	56	0.1442	320	0.8282	376	0.9724
DE4	56	0.1442	160	0.4141	216	0.5583
DE5	56	0.1442			56	0.1442
DE6	56	0.1442			56	0.1442
DE7	56	0.1442			56	0.1442
DE8	56	0.1442			56	0.1442
DE9	56	0.1442			56	0.1442
DE10	56	0.1442			56	0.1442
DE11	56	0.1442			56	0.1442
DE12	56	0.1442			56	0.1442
DE13	56	0.1442			56	0.1442
DE14	56	0.1442			56	0.1442
DE15	56	0.1442			56	0.1442

6.2.2.3 Bent C Applied Loads and Masses

Bent C Node	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
D1	47	0.1213	57	0.1464	103	0.2677
D2			113	0.2929	113	0.2929
D3			113	0.2929	113	0.2929
D4			113	0.2929	113	0.2929
D5			113	0.2929	113	0.2929
D6			113	0.2929	113	0.2929
D7			113	0.2929	113	0.2929
D8	111	0.2863	113	0.2929	224	0.5791
D9			113	0.2929	113	0.2929
D10			113	0.2929	113	0.2929
D11			113	0.2929	113	0.2929
D12			113	0.2929	113	0.2929
D13			113	0.2929	113	0.2929
D14			113	0.2929	113	0.2929
D15	111	0.2863	113	0.2929	224	0.5791

Bent C Node	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
F1	77	0.1990	93	0.2401	170	0.4391
F2			186	0.4803	186	0.4803
F3			186	0.4803	186	0.4803
F4			186	0.4803	186	0.4803
F5			186	0.4803	186	0.4803
F6			186	0.4803	186	0.4803
F7			186	0.4803	186	0.4803
F8	181	0.4695	186	0.4803	367	0.9498
F9			186	0.4803	186	0.4803
F10			186	0.4803	186	0.4803
F11			186	0.4803	186	0.4803
F12			186	0.4803	186	0.4803
F13			186	0.4803	186	0.4803
F14			186	0.4803	186	0.4803
F15	181	0.4695	186	0.4803	367	0.9498

Bent C Applied Loads and Masses (Continued)

Bent C Node	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
G1	60	0.1553	72	0.1874	132	0.3427
G2			145	0.3748	145	0.3748
G3			145	0.3748	145	0.3748
G4			145	0.3748	145	0.3748
G5			145	0.3748	145	0.3748
G6			145	0.3748	145	0.3748
G7			145	0.3748	145	0.3748
G8	142	0.3665	145	0.3748	286	0.7413
G9			145	0.3748	145	0.3748
G10			145	0.3748	145	0.3748
G11			145	0.3748	145	0.3748
G12			145	0.3748	145	0.3748
G13			145	0.3748	145	0.3748
G14			145	0.3748	145	0.3748
G15	142	0.3665	145	0.3748	286	0.7413

Bent C Node	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	Cable Tray Weight (lb)	Cable Tray Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
H1	60	0.1553	72	0.1874	240	0.6211	372	0.9638
H2			145	0.3748			145	0.3748
H3			145	0.3748			145	0.3748
H4			145	0.3748			145	0.3748
H5			145	0.3748			145	0.3748
H6			145	0.3748			145	0.3748
H7			145	0.3748			145	0.3748
H8	142	0.3665	145	0.3748			286	0.7413
H9			145	0.3748			145	0.3748
H10			145	0.3748			145	0.3748
H11			145	0.3748			145	0.3748
H12			145	0.3748			145	0.3748
H13			145	0.3748			145	0.3748
H14			145	0.3748			145	0.3748
H15	142	0.3665	145	0.3748			286	0.7413

Bent C Applied Loads and Masses (Continued)

Bent C Node	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	Triangular Wall Self Weight (lb)	Triangular Wall Self Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
I1	82	0.2131	72	0.1874	9	0.0233	164	0.4238
I2			145	0.3748	9	0.0233	154	0.3981
I3			145	0.3748	9	0.0233	154	0.3981
I4			145	0.3748	9	0.0233	154	0.3981
I5			145	0.3748	9	0.0233	154	0.3981
I6			145	0.3748	9	0.0233	154	0.3981
I7			145	0.3748	9	0.0233	154	0.3981
I8	194	0.5029	145	0.3748	9	0.0233	348	0.9010
I9			145	0.3748	9	0.0233	154	0.3981
I10			145	0.3748	9	0.0233	154	0.3981
I11			145	0.3748	9	0.0233	154	0.3981
I12			145	0.3748	9	0.0233	154	0.3981
I13			145	0.3748	9	0.0233	154	0.3981
I14			145	0.3748	9	0.0233	154	0.3981
I15	194	0.5029	145	0.3748	9	0.0233	348	0.9010

Bent C Applied Loads and Masses (Continued)

Bent C Node	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	Triangular Wall Self Weight (lb)
J1	105	0.2709	72	0.1874	20
J2			145	0.3748	20
J3			145	0.3748	20
J4			145	0.3748	20
J5			145	0.3748	20
J6			145	0.3748	20
J7			145	0.3748	20
J8	247	0.6393	145	0.3748	20
J9			145	0.3748	20
J10			145	0.3748	20
J11			145	0.3748	20
J12			145	0.3748	20
J13			145	0.3748	20
J14			145	0.3748	20
J15	247	0.6393	145	0.3748	20

Bent C Node	Triangular Wall Self Mass (lb*sec^2/in)	Cable Tray Weight (lb)	Cable Tray Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
J1	0.0518	240	0.6211	437	1.1312
J2	0.0518			165	0.4266
J3	0.0518			165	0.4266
J4	0.0518			165	0.4266
J5	0.0518			165	0.4266
J6	0.0518			165	0.4266
J7	0.0518			165	0.4266
J8	0.0518			412	1.0659
J9	0.0518			165	0.4266
J10	0.0518			165	0.4266
J11	0.0518			165	0.4266
J12	0.0518			165	0.4266
J13	0.0518			165	0.4266
J14	0.0518			165	0.4266
J15	0.0518			412	1.0659

Bent C Applied Loads and Masses (Continued)

Bent C Node	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	Triangular Wall Self Weight (lb)	Triangular Wall Self Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
K1	127	0.3287	72	0.1874	26	0.0673	225	0.5834
K2			145	0.3748	26	0.0673	171	0.4421
K3			145	0.3748	26	0.0673	171	0.4421
K4			145	0.3748	26	0.0673	171	0.4421
K5			145	0.3748	26	0.0673	171	0.4421
K6			145	0.3748	26	0.0673	171	0.4421
K7			145	0.3748	26	0.0673	171	0.4421
K8	300	0.7757	145	0.3748	26	0.0673	471	1.2178
K9			145	0.3748	26	0.0673	171	0.4421
K10			145	0.3748	26	0.0673	171	0.4421
K11			145	0.3748	26	0.0673	171	0.4421
K12			145	0.3748	26	0.0673	171	0.4421
K13			145	0.3748	26	0.0673	171	0.4421
K14			145	0.3748	26	0.0673	171	0.4421
K15	300	0.7757	145	0.3748	26	0.0673	471	1.2178

Bent C Node	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	Triangular Wall Self Weight (lb)
L1	149	0.3865	72	0.1874	31
L2			145	0.3748	31
L3			145	0.3748	31
L4			145	0.3748	31
L5			145	0.3748	31
L6			145	0.3748	31
L7			145	0.3748	31
L8	352	0.9121	145	0.3748	31
L9			145	0.3748	31
L10			145	0.3748	31
L11			145	0.3748	31
L12			145	0.3748	31
L13			145	0.3748	31
L14			145	0.3748	31
L15	352	0.9121	145	0.3748	31

Bent C Applied Loads and Masses (Continued)

Bent C Node	Triangular Wall Self Mass (lb*sec^2/in)	Cable Tray Weight (lb)	Cable Tray Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
L1	0.0802	240	0.6211	493	1.2752
L2	0.0802			176	0.4551
L3	0.0802			176	0.4551
L4	0.0802			176	0.4551
L5	0.0802			176	0.4551
L6	0.0802			176	0.4551
L7	0.0802			176	0.4551
L8	0.0802			528	1.3672
L9	0.0802			176	0.4551
L10	0.0802			176	0.4551
L11	0.0802			176	0.4551
L12	0.0802			176	0.4551
L13	0.0802			176	0.4551
L14	0.0802			176	0.4551
L15	0.0802			528	1.3672

Bent C Node	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)
M1	113	0.2916	48	0.1230
M2			95	0.2460
M3			95	0.2460
M4			95	0.2460
M5			95	0.2460
M6			95	0.2460
M7			95	0.2460
M8	266	0.6881	95	0.2460
M9			95	0.2460
M10			95	0.2460
M11			95	0.2460
M12			95	0.2460
M13			95	0.2460
M14			95	0.2460
M15	266	0.6881	95	0.2460

Bent C Applied Loads and Masses (Continued)

Bent C Node	Cable Tray Weight (lb)	Cable Tray Mass (lb*sec^2/in)	Triangular Wall Self Weight (lb)	Triangular Wall Self Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
	204	0.5269				
M1			35	0.0906	399	1.0320
M2			35	0.0906	130	0.3366
M3			35	0.0906	130	0.3366
M4			35	0.0906	130	0.3366
M5			35	0.0906	130	0.3366
M6			35	0.0906	130	0.3366
M7			35	0.0906	130	0.3366
M8			35	0.0906	396	1.0246
M9			35	0.0906	130	0.3366
M10			35	0.0906	130	0.3366
M11			35	0.0906	130	0.3366
M12			35	0.0906	130	0.3366
M13			35	0.0906	130	0.3366
M14			35	0.0906	130	0.3366
M15			35	0.0906	396	1.0246

Bent C Applied Loads and Masses (Continued)

Bent C Node	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Hot Basin Weight (lb)	Hot Basin Mass (lb*sec^2/in)	Secondary Dist. Piping Weight (lb)	Secondary Dist. Piping Mass (lb*sec^2/in)	Manifold Pipe Weight (lb)	Manifold Pipe Mass (lb*sec^2/in)
N1	184	0.4768	1242	3.2143			1894	4.9014
N2			2484	6.4286			3788	9.8028
N3			2484	6.4286	1079	2.7925	3788	9.8028
N4			2484	6.4286	596	1.5434	3788	9.8028
N5			2484	6.4286	390	1.0093	3788	9.8028
N6			2484	6.4286	471	1.2196	3788	9.8028
N7			2484	6.4286			3788	9.8028
N8			2484	6.4286			3788	9.8028
N9			2484	6.4286			3788	9.8028
N10			2484	6.4286			3788	9.8028
N11			2484	6.4286			3788	9.8028
N12			2484	6.4286			3788	9.8028
N13			2484	6.4286			3788	9.8028
N14			2484	6.4286			3788	9.8028
N15			2484	6.4286			3788	9.8028

Bent C Node	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	Triangular Wall Self Weight (lb)	Triangular Wall Self Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
N1	59	0.1523	37	0.0958	3416	8.8406
N2	149	0.3866	37	0.0958	6458	16.7137
N3	149	0.3866	37	0.0958	7537	19.5062
N4	149	0.3866	37	0.0958	7055	18.2572
N5	149	0.3866	37	0.0958	6848	17.7230
N6	149	0.3866	37	0.0958	6929	17.9333
N7	118	0.3046	37	0.0958	6427	16.6317
N8	149	0.3866	37	0.0958	6458	16.7137
N9	118	0.3046	37	0.0958	6427	16.6317
N10	149	0.3866	37	0.0958	6458	16.7137
N11	149	0.3866	37	0.0958	6458	16.7137
N12	149	0.3866	37	0.0958	6458	16.7137
N13	149	0.3866	37	0.0958	6458	16.7137
N14	149	0.3866	37	0.0958	6458	16.7137
N15	149	0.3866	37	0.0958	6458	16.7137

Bent C Applied Loads and Masses (Continued)

Bent C Node	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
O1	63	0.1640	63	0.1640
O7	127	0.3280	127	0.3280
O9	127	0.3280	127	0.3280
O15	127	0.3280	127	0.3280

Bent C Node	Fan, Stack and Motor Weight (lb)	Fan, Stack and Motor Mass (lb*sec^2/in)	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Top Cover Weight (lb)	Top Cover Mass (lb*sec^2/in)	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)
P1			190	0.4929	1589	4.1121	16	0.0410
P2					3178	8.2242	127	0.3280
P3					3178	8.2242	127	0.3280
P4	421	1.0906			3178	8.2242	127	0.3280
P5	421	1.0906			3178	8.2242	127	0.3280
P6					3178	8.2242	127	0.3280
P7					3178	8.2242	32	0.0820
P8					3178	8.2242	127	0.3280
P9					3178	8.2242	32	0.0820
P10					3178	8.2242	127	0.3280
P11	421	1.0906			3178	8.2242	127	0.3280
P12	421	1.0906			3178	8.2242	127	0.3280
P13					3178	8.2242	127	0.3280
P14					3178	8.2242	127	0.3280
P15					3178	8.2242	16	0.0410

Bent C Applied Loads and Masses (Continued

Bent C Node	Cable Tray Weight (lb)	Cable Tray Mass (lb*sec^2/in)	Triangular Wall Self Weight (lb)	Triangular Wall Self Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
P1	270	0.6988	38	0.0983	2103	5.4431
P2	360	0.9317	38	0.0983	3703	9.5822
P3	360	0.9317	38	0.0983	3703	9.5822
P4	360	0.9317	38	0.0983	4124	10.6729
P5	360	0.9317	38	0.0983	4124	10.6729
P6	360	0.9317	38	0.0983	3703	9.5822
P7	360	0.9317	38	0.0983	3608	9.3362
P8	360	0.9317	38	0.0983	3703	9.5822
P9	360	0.9317	38	0.0983	3608	9.3362
P10	360	0.9317	38	0.0983	3703	9.5822
P11	360	0.9317	38	0.0983	4124	10.6729
P12	360	0.9317	38	0.0983	4124	10.6729
P13	360	0.9317	38	0.0983	3703	9.5822
P14	360	0.9317	38	0.0983	3703	9.5822
P15	360	0.9317	38	0.0983	3592	9.2952

Bent C Applied Loads and Masses (Continued)

Bent C Node	T Bar Fill Weight (lb)	T Bar Fill Mass (lb*sec^2/in)	Cable Tray Weight (lb)	Cable Tray Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
1FIL1	22	0.0582			22	0.0582
1FIL2	45	0.1164			45	0.1164
1FIL3	45	0.1164			45	0.1164
1FIL4	45	0.1164			45	0.1164
1FIL5	45	0.1164			45	0.1164
1FIL6	45	0.1164			45	0.1164
1FIL7	45	0.1164			45	0.1164
1FIL8	45	0.1164			45	0.1164
1FIL9	45	0.1164			45	0.1164
1FIL10	45	0.1164			45	0.1164
1FIL11	45	0.1164			45	0.1164
1FIL12	45	0.1164			45	0.1164
1FIL13	45	0.1164			45	0.1164
1FIL14	45	0.1164			45	0.1164
1FIL15	45	0.1164			45	0.1164
2FIL1	119	0.3077	240	0.6211	359	0.9288
2FIL2	238	0.6154			238	0.6154
2FIL3	238	0.6154			238	0.6154
2FIL4	238	0.6154			238	0.6154
2FIL5	238	0.6154			238	0.6154
2FIL6	238	0.6154			238	0.6154
2FIL7	238	0.6154			238	0.6154
2FIL8	238	0.6154			238	0.6154
2FIL9	238	0.6154			238	0.6154
2FIL10	238	0.6154			238	0.6154
2FIL11	238	0.6154			238	0.6154
2FIL12	238	0.6154			238	0.6154
2FIL13	238	0.6154			238	0.6154
2FIL14	238	0.6154			238	0.6154
2FIL15	238	0.6154			238	0.6154
3FIL1	234	0.6056	240	0.6211	474	1.2268
3FIL2	468	1.2113			468	1.2113
3FIL3	468	1.2113			468	1.2113
3FIL4	468	1.2113			468	1.2113
3FIL5	468	1.2113			468	1.2113
3FIL6	468	1.2113			468	1.2113
3FIL7	468	1.2113			468	1.2113
3FIL8	468	1.2113			468	1.2113
3FIL9	468	1.2113			468	1.2113
3FIL10	468	1.2113			468	1.2113
3FIL11	468	1.2113			468	1.2113
3FIL12	468	1.2113			468	1.2113
3FIL13	468	1.2113			468	1.2113
3FIL14	468	1.2113			468	1.2113
3FIL15	468	1.2113			468	1.2113

Bent C Applied Loads and Masses (Continued)

Bent C Node	T Bar Fill Weight (lb)	T Bar Fill Mass (lb*sec^2/in)	Cable Tray Weight (lb)	Cable Tray Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
4FIL1	400	1.0355	240	0.6211	640	1.6566
4FIL2	800	2.0709			800	2.0709
4FIL3	800	2.0709			800	2.0709
4FIL4	800	2.0709			800	2.0709
4FIL5	800	2.0709			800	2.0709
4FIL6	800	2.0709			800	2.0709
4FIL7	800	2.0709			800	2.0709
4FIL8	800	2.0709			800	2.0709
4FIL9	800	2.0709			800	2.0709
4FIL10	800	2.0709			800	2.0709
4FIL11	800	2.0709			800	2.0709
4FIL12	800	2.0709			800	2.0709
4FIL13	800	2.0709			800	2.0709
4FIL14	800	2.0709			800	2.0709
4FIL15	800	2.0709			800	2.0709
5FIL1	326	0.8447	308	0.7958	634	1.6405
5FIL2	653	1.6895			653	1.6895
5FIL3	653	1.6895			653	1.6895
5FIL4	653	1.6895			653	1.6895
5FIL5	653	1.6895			653	1.6895
5FIL6	653	1.6895			653	1.6895
5FIL7	653	1.6895			653	1.6895
5FIL8	653	1.6895			653	1.6895
5FIL9	653	1.6895			653	1.6895
5FIL10	653	1.6895			653	1.6895
5FIL11	653	1.6895			653	1.6895
5FIL12	653	1.6895			653	1.6895
5FIL13	653	1.6895			653	1.6895
5FIL14	653	1.6895			653	1.6895
5FIL15	653	1.6895			653	1.6895

6.2.2.4 Bent C Triangular Wall Redistribution

The preceding pages developed the seismic model with all sloped wall mass applied on top of a single C bent line columns. This section will revise the dead load in the sloped wall section. This load change will only apply to the dead load model and will not redistribute the mass for the seismic model.

Redistribute the dead weight of the T-bar fill, top cover loading, end walls, partition walls, hot basin, cable tray and the louver wall in the triangular area to the top of the double 4x4 members companion posts (Level G in Bent C model):

Bent C	Original DL Model				
Node	T-Bar	Top Cover	Hot Basin	Cable Tray	Louver Wall
3FIL1	234				
3FIL2-15	468				
4FIL1	400				
4FIL2-15	800				
5FIL1	326				
5FIL2-15	653				
P1		1589		180	
P2-15		3178		360	
N1			1242		
N2-N15			2484		
H1					72
H2-H15					145
I1					72
I2-I15					145
J1					72
J2-J15					145
K1					72
K2-K15					145
L1					72
L2-L15					145
M1					48
M2-M15					95
N1					59
N2-N6					149
N7					118
N8					149
N9					118
N10-N15					149
O1					63
O7, O9, O15					127
P1					16
P2-P6					127
P7					32
P8					127
P9					32
P10-P14					127
P15					16

Amount In Angular Wall					
Node	T-Bar	Top Cover	Hot Basin	Cable Tray	Louver Wall
3FIL1	37				
3FIL2-15	73				
4FIL1	117				
4FIL2-15	233				
5FIL1	104				
5FIL2-15	208				
P1		576		90	
P2-15		1152		180	
N1			414		
N2-N15			828		
H1					72
H2-H15					145
I1					72
I2-I15					145
J1					72
J2-J15					145
K1					72
K2-K15					145
L1					72
L2-L15					145
M1					48
M2-M15					95
N1					59
N2-N6					149
N7					118
N8					149
N9					118
N10-N15					149
O1					63
O7, O9, O15					127
P1					16
P2-P6					127
P7					32
P8					127
P9					32
P10-P14					127
P15					16

Resultant New Dead Loads for Use in Bent C DL Model

Node	T-Bar	Top Cover	Hot Basin	Cable Tray	Louver Wall
3FIL1	197				
3FIL2-15	395				
4FIL1	283				
4FIL2-15	567				
5FIL1	222				
5FIL2-15	445				
P1		1013		90	
P2-15		2026		180	
N1			828		
N2-N15			1656		
H1					
H2-H15					
I1					
I2-I15					
J1					
J2-J15					
K1					
K2-K15					
L1					
L2-L15					
M1					
M2-M15					
N1					
N2-N6					
N7					
N8					
N9					
N10-N15					
O1					
O7, O9, O15					
P1					
P2-P6					
P7					
P8					
P9					
P10-P14					
P15					

Amount to be added to Level G at the top of the companion posts.

Node	T-Bar	Top Cover	Hot Basin	Cable Tray	Louver Wall
3FIL1	37				
3FIL2-15	73				
4FIL1	117				
4FIL2-15	233				
5FIL1	104				
5FIL2-15	208				
P1		576		90	
P2-15		1152		180	
N1			414		
N2-N15			828		
H1					72
H2-H15					145
I1					72
I2-I15					145
J1					72
J2-J15					145
K1					72
K2-K15					145
L1					72
L2-L15					145
M1					48
M2-M15					95
N1					59
N2-N6					149
N7					118
N8					149
N9					118
N10-N15					149
O1					63
O7, O9, O15					127
P1					16
P2-P6					127
P7					32
P8					127
P9					32
P10-P14					127
P15					16

Node			Node			Node		
H1	1885	lbs.	H7	3770	lbs.	H13	3770	lbs.
H2	3770	lbs.	H8	3770	lbs.	H14	3770	lbs.
H3	3770	lbs.	H9	3770	lbs.	H15	3786	lbs.
H4	3770	lbs.	H10	3770	lbs.			
H5	3770	lbs.	H11	3770	lbs.			
H6	3770	lbs.	H12	3770	lbs.			

6.2.2.5 End Bent Applied Loads and Masses

End Bent Node	Drift Eliminator Weight (lb)	Drift Eliminator Mass (lb*sec^2/in)	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	T Bar Fill Weight (lb)	T Bar Fill Mass (lb*sec^2/in)	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
D2			10	0.0255			12	0.0307	22	0.0562
D3			20	0.0510					20	0.0510
D4			20	0.0510					20	0.0510
D5			20	0.0510					20	0.0510
D6			20	0.0510					20	0.0510
D7			20	0.0510					20	0.0510
D8			20	0.0510					20	0.0510
D9			10	0.0255			12	0.0307	22	0.0562
E2			30	0.0784			37	0.0947	67	0.1731
E2A					31	0.0797			31	0.0797
E2B					53	0.1366			53	0.1366
E3			61	0.1569					61	0.1569
E3A					46	0.1190			46	0.1190
E3B					46	0.1190			46	0.1190
E3C					39	0.1015			39	0.1015
E4			121	0.3122					121	0.3122
E4A					39	0.1015			39	0.1015
E4B	26	0.0675							26	0.0675
E5			121	0.3122					121	0.3122
E6			121	0.3122					121	0.3122
E6A	26	0.0675							26	0.0675
E6B					39	0.1015			39	0.1015
E7			121	0.3122					121	0.3122
E7A					39	0.1015			39	0.1015
E7B					46	0.1190			46	0.1190
E7C					46	0.1190			46	0.1190
E8			61	0.1569					61	0.1569
E8A					53	0.1366			53	0.1366
E8B					31	0.0797			31	0.0797
E9			30	0.0784			37	0.0947	67	0.1731

End Bent Applied Loads and Masses (Continued)

End Bent Node	Drift Eliminator Weight (lb)	Drift Eliminator Mass (lb*sec^2/in)	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	T Bar Fill Weight (lb)	T Bar Fill Mass (lb*sec^2/in)
F2			50	0.1306		
F3			101	0.2612		
F8			101	0.2612		
F9			50	0.1306		
G2			60	0.1553		
G2A					67	0.1744
G2B					116	0.2990
G2C					101	0.2606
G3			120	0.3106		
G3A					101	0.2606
G3B					86	0.2222
G3C					86	0.2222
G4			221	0.5718		
G4A	57	0.1477				
G5			221	0.5718		
G6			221	0.5718		
G6A	57	0.1477				
G7			221	0.5718		
G7A					86	0.2222
G7B					86	0.2222
G7C					101	0.2606
G8			120	0.3106		
G8A					101	0.2606
G8B					116	0.2990
G8C					67	0.1744
G9			60	0.1553		

End Bent Applied Loads and Masses (Continued)

End Bent Node	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	Cable Tray Weight (lb)	Cable Tray Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
F2	61	0.1577			111	0.2883
F3					101	0.2612
F8					101	0.2612
F9	61	0.1577			111	0.2883
G2	72	0.1874			132	0.3427
G2A					67	0.1744
G2B					116	0.2990
G2C					101	0.2606
G3					120	0.3106
G3A					101	0.2606
G3B					86	0.2222
G3C					86	0.2222
G4					221	0.5718
G4A					57	0.1477
G5					221	0.5718
G6					221	0.5718
G6A					57	0.1477
G7					221	0.5718
G7A					86	0.2222
G7B					86	0.2222
G7C					101	0.2606
G8					120	0.3106
G8A					101	0.2606
G8B					116	0.2990
G8C					67	0.1744
G9	72	0.1874	240	0.6211	372	0.9638

End Bent Applied Loads and Masses (Continued)

End Bent Node	Drift Eliminator Weight (lb)	Drift Eliminator Mass (lb*sec^2/in)	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	T Bar Fill Weight (lb)	T Bar Fill Mass (lb*sec^2/in)
H2			60	0.1553		
H3			120	0.3106		
H8			120	0.3106		
H9			60	0.1553		
I1			60	0.1553		
I1A					73	0.1895
I2			120	0.3106		
I2A					125	0.3248
I2B					109	0.2831
I2C					109	0.2831
I3			120	0.3106		
I3A					93	0.2413
I3B					93	0.2413
I3C	31	0.0802				
I4			240	0.6211		
I4A	31	0.0802				
I5			240	0.6211		
I6			240	0.6211		
I6A	31	0.0802				
I7			240	0.6211		
I7A	31	0.0802				
I7B					93	0.2413
I7C					93	0.2413
I8			120	0.3106		
I8A					109	0.2831
I8B					109	0.2831
I8C					125	0.3248
I9			120	0.3106		
I9A					73	0.1895
I10			60	0.1553		

End Bent Applied Loads and Masses (Continued)

End Bent Node	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	Cable Tray Weight (lb)	Cable Tray Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
H2	74	0.1906			134	0.3458
H3					120	0.3106
H8					120	0.3106
H9	74	0.1906	240	0.6211	374	0.9670
I1	75	0.1937			135	0.3490
I1A					73	0.1895
I2					120	0.3106
I2A					125	0.3248
I2B					109	0.2831
I2C					109	0.2831
I3					120	0.3106
I3A					93	0.2413
I3B					93	0.2413
I3C					31	0.0802
I4					240	0.6211
I4A					31	0.0802
I5					240	0.6211
I6					240	0.6211
I6A					31	0.0802
I7					240	0.6211
I7A					31	0.0802
I7B					93	0.2413
I7C					93	0.2413
I8					120	0.3106
I8A					109	0.2831
I8B					109	0.2831
I8C					125	0.3248
I9			240	0.6211	360	0.9317
I9A					73	0.1895
I10	75	0.1937			135	0.3490

End Bent Applied Loads and Masses (Continued)

End Bent Node	Drift Eliminator Weight (lb)	Drift Eliminator Mass (lb*sec^2/in)	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)
J1			60	0.1553
J2			120	0.3106
J3			120	0.3106
J8			120	0.3106
J9			120	0.3106
J10			60	0.1553
K1			60	0.1553
K1A				
K1B				
K2			120	0.3106
K2A				
K2B				
K2C				
K3			120	0.3106
K3A				
K3B	73	0.1884		
K4			240	0.6211
K5			240	0.6211
K6			240	0.6211
K7			240	0.6211
K7A	73	0.1884		
K7B				
K8			120	0.3106
K8A				
K8B				
K8C				
K9			120	0.3106
K9A				
K9B				
K10			60	0.1553

End Bent Applied Loads and Masses (Continued)

End Bent Node	T Bar Fill Weight (lb)	T Bar Fill Mass (lb*sec^2/in)	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	Cable Tray Weight (lb)	Cable Tray Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
J1			75	0.1937			135	0.3490
J2							120	0.3106
J3							120	0.3106
J8							120	0.3106
J9					240	0.6211	360	0.9317
J10			75	0.1937			135	0.3490
K1			75	0.1937			135	0.3490
K1A	86	0.2225					86	0.2225
K1B	147	0.3814					147	0.3814
K2							120	0.3106
K2A	128	0.3324					128	0.3324
K2B	128	0.3324					128	0.3324
K2C	109	0.2834					109	0.2834
K3							120	0.3106
K3A	109	0.2834					109	0.2834
K3B							73	0.1884
K4							240	0.6211
K5							240	0.6211
K6							240	0.6211
K7							240	0.6211
K7A							73	0.1884
K7B	109	0.2834					109	0.2834
K8							120	0.3106
K8A	109	0.2834					109	0.2834
K8B	128	0.3324					128	0.3324
K8C	128	0.3324					128	0.3324
K9					240	0.6211	360	0.9317
K9A	147	0.3814					147	0.3814
K9B	86	0.2225					86	0.2225
K10			75	0.1937			135	0.3490

End Bent Applied Loads and Masses (Continued)

End Bent Node	Drift Eliminator Weight (lb)	Drift Eliminator Mass (lb*sec^2/in)	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	Cable Tray Weight (lb)	Cable Tray Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
L1			60	0.1553	75	0.1937			135	0.3490
L2			120	0.3106					120	0.3106
L3			120	0.3106					120	0.3106
L8			120	0.3106					120	0.3106
L9			120	0.3106			240	0.6211	360	0.9317
L10			60	0.1553	75	0.1937			135	0.3490
M1			51	0.1317	63	0.1643			114	0.2960
M2			102	0.2634					102	0.2634
M3			102	0.2634					102	0.2634
M3A	42	0.1082							42	0.1082
M4			274	0.7085					274	0.7085
M5			274	0.7085					274	0.7085
M6			274	0.7085					274	0.7085
M7			274	0.7085					274	0.7085
M7A	42	0.1082							42	0.1082
M8			102	0.2634					102	0.2634
M9			102	0.2634			204	0.5269	305	0.7903
M10			51	0.1317	63	0.1643			114	0.2960

End Bent Applied Loads and Masses (Continued)

End Bent Node	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Hot Basin Weight (lb)	Hot Basin Mass (lb*sec^2/in)	T Bar Fill Weight (lb)	T Bar Fill Mass (lb*sec^2/in)	Top Cover Weight (lb)	Top Cover Mass (lb*sec^2/in)
N1	77	0.1990	414	1.0714				
N1A					49	0.1277		
N1B					85	0.2190		
N1C					74	0.1908		
N2	154	0.3979	828	2.1429				
N2A					74	0.1908		
N2B					63	0.1627		
N2C					63	0.1627		
N3	154	0.3979	414	1.0714				
N8	154	0.3979	414	1.0714				
N8A					63	0.1627		
N8B					63	0.1627		
N8C					74	0.1908		
N9	154	0.3979	828	2.1429				
N9A					74	0.1908		
N9B					85	0.2190		
N9C					49	0.1277		
N10	77	0.1990	414	1.0714				
O4	112	0.2897						
O7	112	0.2897						
P1	56	0.1449					437	1.1300
P2	112	0.2897					873	2.2601
P3	112	0.2897					873	2.2601
P4	16	0.0421					873	2.2601
P5	112	0.2897					873	2.2601
P6	112	0.2897					873	2.2601
P7	16	0.0421					873	2.2601
P8	112	0.2897					873	2.2601
P9	112	0.2897					873	2.2601
P10	56	0.1449					437	1.1300

End Bent Applied Loads and Masses (Continued)

End Bent Node	Manifold Pipe Weight (lb)	Manifold Pipe Mass (lb*sec^2/in)	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	Cable Tray Weight (lb)	Cable Tray Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
N1			96	0.2482			587	1.5185
N1A							49	0.1277
N1B							85	0.2190
N1C							74	0.1908
N2	1894	4.9014					2876	7.4422
N2A							74	0.1908
N2B							63	0.1627
N2C							63	0.1627
N3	1894	4.9014					2462	6.3708
N8	1894	4.9014					2462	6.3708
N8A							63	0.1627
N8B							63	0.1627
N8C							74	0.1908
N9	1894	4.9014			308	0.7958	3183	8.2380
N9A							74	0.1908
N9B							85	0.2190
N9C							49	0.1277
N10			96	0.2482			587	1.5185
O4							112	0.2897
O7							112	0.2897
P1			70	0.1807			562	1.4556
P2							985	2.5498
P3							985	2.5498
P4							890	2.3021
P5							985	2.5498
P6							985	2.5498
P7							890	2.3021
P8							985	2.5498
P9					314	0.2329	1299	2.7827
P10			70	0.1807	90	0.2329	652	1.6885

6.2.2.6 Main Bent Applied Loads and Masses

Main Bent Node	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
D2	24	0.0615	24	0.0615
D9	24	0.0615	24	0.0615

Main Bent Node	Drift Eliminator Weight (lb)	Drift Eliminator Mass (lb*sec^2/in)	T Bar Fill Weight (lb)	T Bar Fill Mass (lb*sec^2/in)	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
E2					73	0.1894	73	0.1894
E2A			62	0.1594			62	0.1594
E2B			106	0.2732			106	0.2732
E3								
E3A			92	0.2381			92	0.2381
E3B			92	0.2381			92	0.2381
E3C			78	0.2030			78	0.2030
E4								
E4A			78	0.2030			78	0.2030
E4B	78	0.2014					78	0.2014
E5								
E6								
E6A	78	0.2014					78	0.2014
E6B			78	0.2030			78	0.2030
E7								
E7A			78	0.2030			78	0.2030
E7B			92	0.2381			92	0.2381
E7C			92	0.2381			92	0.2381
E8								
E8A			106	0.2732			106	0.2732
E8B			62	0.1594			62	0.1594
E9					73	0.1894	73	0.1894
F2					122	0.3153	122	0.3153
F3								
F8								
F9					122	0.3153	122	0.3153

Main Bent Applied Loads and Masses (Continued)

Main Bent Node	Drift Eliminator Weight (lb)	Drift Eliminator Mass (lb*sec^2/in)	T Bar Fill Weight (lb)	T Bar Fill Mass (lb*sec^2/in)	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
G2					145	0.3748	145	0.3748
G2A			135	0.3488			135	0.3488
G2B			231	0.5980			231	0.5980
G2C			201	0.5212			201	0.5212
G3								
G3A			201	0.5212			201	0.5212
G3B			172	0.4443			172	0.4443
G3C			172	0.4443			172	0.4443
G4								
G4A	114	0.2954					114	0.2954
G5								
G6								
G6A	114	0.2954					114	0.2954
G7								
G7A			172	0.4443			172	0.4443
G7B			172	0.4443			172	0.4443
G7C			201	0.5212			201	0.5212
G8								
G8A			201	0.5212			201	0.5212
G8B			231	0.5980			231	0.5980
G8C			135	0.3488			135	0.3488
G9					145	0.3748	145	0.3748
H2					206	0.5327	206	0.5327
H3								
H8								
H9					206	0.5327	206	0.5327

Main Bent Applied Loads and Masses (Continued)

Main Bent Node	Drift Eliminator Weight (lb)	Drift Eliminator Mass (lb*sec^2/in)	T Bar Fill Weight (lb)	T Bar Fill Mass (lb*sec^2/in)	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
I1					150	0.3874	150	0.3874
I1A			146	0.3789			146	0.3789
I2								
I2A			251	0.6496			251	0.6496
I2B			219	0.5661			219	0.5661
I2C			219	0.5661			219	0.5661
I3								
I3A			187	0.4827			187	0.4827
I3B			187	0.4827			187	0.4827
I3C	62	0.1605					62	0.1605
I4								
I4A	62	0.1605					62	0.1605
I5								
I6								
I6A	62	0.1605					62	0.1605
I7								
I7A	62	0.1605					62	0.1605
I7B			187	0.4827			187	0.4827
I7C			187	0.4827			187	0.4827
I8								
I8A			219	0.5661			219	0.5661
I8B			219	0.5661			219	0.5661
I8C			251	0.6496			251	0.6496
I9								
I9A			146	0.3789			146	0.3789
I10					150	0.3874	150	0.3874
J1					150	0.3874	150	0.3874
J10					150	0.3874	150	0.3874

Main Bent Applied Loads and Masses (Continued)

Main Bent Node	Drift Eliminator Weight (lb)	Drift Eliminator Mass (lb*sec^2/in)	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	T Bar Fill Weight (lb)	T Bar Fill Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
K1			150	0.3874			150	0.3874
K1A					172	0.4449	172	0.4449
K1B					295	0.7627	295	0.7627
K2A					257	0.6647	257	0.6647
K2B					257	0.6647	257	0.6647
K2C					219	0.5668	219	0.5668
K3A					219	0.5668	219	0.5668
K3B	146	0.3768					146	0.3768
K7A	146	0.3768					146	0.3768
K7B					219	0.5668	219	0.5668
K8A					219	0.5668	219	0.5668
K8B					257	0.6647	257	0.6647
K8C					257	0.6647	257	0.6647
K9A					295	0.7627	295	0.7627
K9B					172	0.4449	172	0.4449
K10			150	0.3874			150	0.3874

Main Bent Applied Loads and Masses (Continued)

Main Bent Node	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
L1	150	0.3874	150	0.3874
L10	150	0.3874	150	0.3874

Main Bent Node	Drift Eliminator Weight (lb)	Drift Eliminator Mass (lb*sec^2/in)	Hot Basin Weight (lb)	Hot Basin Mass (lb*sec^2/in)	Secondary Dist. Piping Weight (lb)	Secondary Dist. Piping Mass (lb*sec^2/in)
M1					401	1.0388
M2					561	1.4529
M3					320	0.8282
M3A	84	0.2164				
M4					320	0.8282
M5					574	1.4867
M6					1083	2.8037
M7					320	0.8282
M7A	84	0.2164				
M8					320	0.8282
M9					561	1.4529
M10					401	1.0388
N1			828	2.1429		
N1A						
N1B						
N1C						
N2			1656	4.2857		
N2A						
N2B						
N2C						
N3			828	2.1429		
N8			828	2.1429		
N8A						
N8B						
N8C						
N9			1656	4.2857		
N9A						
N9B						
N9C						
N10			828	2.1429		

Main Bent Applied Loads and Masses (Continued)

Main Bent Node	T Bar Fill Weight (lb)	T Bar Fill Mass (lb*sec^2/in)	Manifold Pipe Weight (lb)	Manifold Pipe Mass (lb*sec^2/in)	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
M1					127	0.3286	528	1.3674
M2							561	1.4529
M3							320	0.8282
M3A							84	0.2164
M4							320	0.8282
M5							574	1.4867
M6							1083	2.8037
M7							320	0.8282
M7A							84	0.2164
M8							320	0.8282
M9							561	1.4529
M10					127	0.3286	528	1.3674
N1					192	0.4963	1020	2.6392
N1A	99	0.2554					99	0.2554
N1B	169	0.4379					169	0.4379
N1C	147	0.3817					147	0.3817
N2			3788	9.8028			5444	14.0886
N2A	147	0.3817					147	0.3817
N2B	126	0.3254					126	0.3254
N2C	126	0.3254					126	0.3254
N3			3788	9.8028			4616	11.9457
N8			3788	9.8028			4616	11.9457
N8A	126	0.3254					126	0.3254
N8B	126	0.3254					126	0.3254
N8C	147	0.3817					147	0.3817
N9			3788	9.8028			5444	14.0886
N9A	147	0.3817					147	0.3817
N9B	169	0.4379					169	0.4379
N9C	99	0.2554					99	0.2554
N10					192	0.4963	1020	2.6392

Main Bent Applied Loads and Masses (Continued)

Main Bent	Fan, Stack and Motor Weight (lb)	Fan, Stack and Motor Mass (lb*sec^2/in)	Top Cover Weight (lb)	Top Cover Mass (lb*sec^2/in)
P1			873	2.2601
P2			1747	4.5202
P3	425	1.0999	1092	2.8251
P4				
P5	1872	3.2573		
P6	1872	3.2573		
P7				
P8	1268	3.2811	1092	2.8251
P9	466	1.2071	1747	4.5202
P10			873	2.2601

Main Bent	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	Cable Tray Weight (lb)	Cable Tray Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
P1	140	0.3614			1013	2.6215
P2					1747	4.5202
P3					1517	3.9250
P4						
P5					1872	3.2573
P6					1872	3.2573
P7						
P8					2359	6.1063
P9			180	0.4658	2393	6.1931
P10	140	0.3614	180	0.4658	1193	3.0873

6.2.2.7 Partition Bent Applied Loads and Masses

Partition Bent Node	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
D2	24	0.0615	24	0.0615
D9	24	0.0615	24	0.0615

Partition Bent Node	Drift Eliminator Weight (lb)	Drift Eliminator Mass (lb*sec^2/in)	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)
E2			48	0.1250
E2A				
E2B				
E3			97	0.2500
E3A				
E3B				
E3C				
E4			238	0.6165
E4A				
E4B	78	0.2014		
E5			238	0.6165
E6			238	0.6165
E6A	78	0.2014		
E6B				
E7			238	0.6165
E7A				
E7B				
E7C				
E8			97	0.2500
E8A				
E8B				
E9			48	0.1250
F2			119	0.3082
F3			238	0.6165
F8			238	0.6165
F9			119	0.3082

Partition Bent Applied Loads and Masses (Continued)

Partition Bent Node	T Bar Fill Weight (lb)	T Bar Fill Mass (lb*sec^2/in)	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
E2			73	0.1894	121	0.3144
E2A	62	0.1594			62	0.1594
E2B	106	0.2732			106	0.2732
E3					97	0.2500
E3A	92	0.2381			92	0.2381
E3B	92	0.2381			92	0.2381
E3C	78	0.2030			78	0.2030
E4					238	0.6165
E4A	78	0.2030			78	0.2030
E4B					78	0.2014
E5					238	0.6165
E6					238	0.6165
E6A					78	0.2014
E6B	78	0.2030			78	0.2030
E7					238	0.6165
E7A	78	0.2030			78	0.2030
E7B	92	0.2381			92	0.2381
E7C	92	0.2381			92	0.2381
E8					97	0.2500
E8A	106	0.2732			106	0.2732
E8B	62	0.1594			62	0.1594
E9			73	0.1894	121	0.3144
F2			122	0.3153	241	0.6235
F3					238	0.6165
F8					238	0.6165
F9			122	0.3153	241	0.6235

Partition Bent Applied Loads and Masses (Continued)

Partition Bent Node	Drift Eliminator Weight (lb)	Drift Eliminator Mass (lb*sec^2/in)	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	T Bar Fill Weight (lb)
G2			142	0.3665	
G2A					135
G2B					231
G2C					201
G3			283	0.7329	
G3A					201
G3B					172
G3C					172
G4			521	1.3494	
G4A	114	0.2954			
G5			521	1.3494	
G6			521	1.3494	
G6A	114	0.2954			
G7			521	1.3494	
G7A					172
G7B					172
G7C					201
G8			283	0.7329	
G8A					201
G8B					231
G8C					135
G9			142	0.3665	
H2			142	0.3665	
H3			283	0.7329	
H8			283	0.7329	
H9			142	0.3665	

Partition Bent Applied Loads and Masses (Continued)

Partition Bent Node	T Bar Fill Mass (lb*sec^2/in)	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
G2		145	0.3748	286	0.7413
G2A	0.3488			135	0.3488
G2B	0.5980			231	0.5980
G2C	0.5212			201	0.5212
G3				283	0.7329
G3A	0.5212			201	0.5212
G3B	0.4443			172	0.4443
G3C	0.4443			172	0.4443
G4				521	1.3494
G4A				114	0.2954
G5				521	1.3494
G6				521	1.3494
G6A				114	0.2954
G7				521	1.3494
G7A	0.4443			172	0.4443
G7B	0.4443			172	0.4443
G7C	0.5212			201	0.5212
G8				283	0.7329
G8A	0.5212			201	0.5212
G8B	0.5980			231	0.5980
G8C	0.3488			135	0.3488
G9		145	0.3748	286	0.7413
H2		206	0.5327	347	0.8991
H3				283	0.7329
H8				283	0.7329
H9		206	0.5327	347	0.8991

Partition Bent Applied Loads and Masses (Continued)

Partition Bent Node	Drift Eliminator Weight (lb)	Drift Eliminator Mass (lb*sec^2/in)	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	T Bar Fill Weight (lb)
I1					
I1A					146
I2			142	0.3665	
I2A					251
I2B					219
I2C					219
I3			283	0.7329	
I3A					187
I3B					187
I3C	62	0.1605			
I4			566	1.4658	
I4A	62	0.1605			
I5			566	1.4658	
I6			566	1.4658	
I6A	62	0.1605			
I7			566	1.4658	
I7A	62	0.1605			
I7B					187
I7C					187
I8			283	0.7329	
I8A					219
I8B					219
I8C					251
I9			142	0.3665	
I9A					146
I10					
J1					
J2			283	0.7329	
J3			283	0.7329	
J8			283	0.7329	
J9			283	0.7329	
J10					

Partition Bent Applied Loads and Masses (Continued)

Partition Bent Node	T Bar Fill Mass (lb*sec^2/in)	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
I1		150	0.3874	150	0.3874
I1A	0.3789			146	0.3789
I2				142	0.3665
I2A	0.6496			251	0.6496
I2B	0.5661			219	0.5661
I2C	0.5661			219	0.5661
I3				283	0.7329
I3A	0.4827			187	0.4827
I3B	0.4827			187	0.4827
I3C				62	0.1605
I4				566	1.4658
I4A				62	0.1605
I5				566	1.4658
I6				566	1.4658
I6A				62	0.1605
I7				566	1.4658
I7A				62	0.1605
I7B	0.4827			187	0.4827
I7C	0.4827			187	0.4827
I8				283	0.7329
I8A	0.5661			219	0.5661
I8B	0.5661			219	0.5661
I8C	0.6496			251	0.6496
I9				142	0.3665
I9A	0.3789			146	0.3789
I10		150	0.3874	150	0.3874
J1		150	0.3874	150	0.3874
J2				283	0.7329
J3				283	0.7329
J8				283	0.7329
J9				283	0.7329
J10		150	0.3874	150	0.3874

Partition Bent Applied Loads and Masses (Continued)

Partition Bent Node	Drift Eliminator Weight (lb)	Drift Eliminator Mass (lb*sec^2/in)	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	T Bar Fill Weight (lb)
K1					
K1A					172
K1B					295
K2			283	0.7329	
K2A					257
K2B					257
K2C					219
K3			283	0.7329	
K3A					219
K3B	146	0.3768			
K4			566	1.4658	
K5			566	1.4658	
K6			566	1.4658	
K7			566	1.4658	
K7A	146	0.3768			
K7B					219
K8			283	0.7329	
K8A					219
K8B					257
K8C					257
K9			283	0.7329	
K9A					295
K9B					172
K10					
L1					
L2			283	0.7329	
L3			283	0.7329	
L8			283	0.7329	
L9			283	0.7329	
L10					

Partition Bent Applied Loads and Masses (Continued)

Partition Bent Node	T Bar Fill Mass (lb*sec^2/in)	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
K1		150	0.3874	150	0.3874
K1A	0.4449			172	0.4449
K1B	0.7627			295	0.7627
K2				283	0.7329
K2A	0.6647			257	0.6647
K2B	0.6647			257	0.6647
K2C	0.5668			219	0.5668
K3				283	0.7329
K3A	0.5668			219	0.5668
K3B				146	0.3768
K4				566	1.4658
K5				566	1.4658
K6				566	1.4658
K7				566	1.4658
K7A				146	0.3768
K7B	0.5668			219	0.5668
K8				283	0.7329
K8A	0.5668			219	0.5668
K8B	0.6647			257	0.6647
K8C	0.6647			257	0.6647
K9				283	0.7329
K9A	0.7627			295	0.7627
K9B	0.4449			172	0.4449
K10		150	0.3874	150	0.3874
L1		150	0.3874	150	0.3874
L2				283	0.7329
L3				283	0.7329
L8				283	0.7329
L9				283	0.7329
L10		150	0.3874	150	0.3874

Partition Bent Applied Loads and Masses (Continued)

Partition Bent Node	Drift Eliminator Weight (lb)	Drift Eliminator Mass (lb*sec^2/in)	End and Partition Wall Weight (lb)	End and Partition Wall Mass (lb*sec^2/in)	Hot Basin Weight (lb)	Hot Basin Mass (lb*sec^2/in)	T Bar Fill Weight (lb)
M1			120	0.3109			
M2			240	0.6217			
M3			240	0.6217			
M3A	84	0.2164					
M4			646	1.6720			
M5			646	1.6720			
M6			646	1.6720			
M7			646	1.6720			
M7A	84	0.2164					
M8			240	0.6217			
M9			240	0.6217			
M10			120	0.3109			
N1					828	2.1429	
N1A							99
N1B							169
N1C							147
N2					1656	4.2857	
N2A							147
N2B							126
N2C							126
N3			122	0.3149	828	2.1429	
N8			122	0.3149	828	2.1429	
N8A							126
N8B							126
N8C							147
N9					1656	4.2857	
N9A							147
N9B							169
N9C							99
N10					828	2.1429	

Partition Bent Applied Loads and Masses (Continued)

Partition Bent Node	T Bar Fill Mass (lb*sec^2/in)	Manifold Pipe Weight (lb)	Manifold Pipe Mass (lb*sec^2/in)	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
M1				127	0.3286	247	0.6395
M2						240	0.6217
M3						240	0.6217
M3A						84	0.2164
M4						646	1.6720
M5						646	1.6720
M6						646	1.6720
M7						646	1.6720
M7A						84	0.2164
M8						240	0.6217
M9						240	0.6217
M10				127	0.3286	247	0.6395
N1				192	0.4963	1020	2.6392
N1A	0.2554					99	0.2554
N1B	0.4379					169	0.4379
N1C	0.3817					147	0.3817
N2		3788	9.8028			5444	14.0886
N2A	0.3817					147	0.3817
N2B	0.3254					126	0.3254
N2C	0.3254					126	0.3254
N3		3788	9.8028			4738	12.2606
N8		3788	9.8028			4738	12.2606
N8A	0.3254					126	0.3254
N8B	0.3254					126	0.3254
N8C	0.3817					147	0.3817
N9		3788	9.8028			5444	14.0886
N9A	0.3817					147	0.3817
N9B	0.4379					169	0.4379
N9C	0.2554					99	0.2554
N10				192	0.4963	1020	2.6392

Partition Bent Applied Loads and Masses (Continued)

Partition Bent Node	Top Cover Weight (lb)	Top Cover Mass (lb*sec^2/in)	Louver Wall Weight (lb)	Louver Wall Mass (lb*sec^2/in)	End and Partition Wall Weight (lb)
P1	873	2.2601	140	0.3614	
P2	1747	4.5202			
P3	1747	4.5202			181
P4	1747	4.5202			363
P5	1747	4.5202			363
P6	1747	4.5202			363
P7	1747	4.5202			363
P8	1747	4.5202			181
P9	1747	4.5202			
P10	873	2.2601	140	0.3614	

Partition Bent Node	End and Partition Wall Mass (lb*sec^2/in)	Cable Tray Weight (lb)	Cable Tray Mass (lb*sec^2/in)	Total Dead Load (lb)	Total Mass (lb*sec^2/in)
P1				1013	2.6215
P2				1747	4.5202
P3	0.4695			1928	4.9897
P4	0.9391			2109	5.4592
P5	0.9391			2109	5.4592
P6	0.9391			2109	5.4592
P7	0.9391			2109	5.4592
P8	0.4695			1928	4.9897
P9		180	0.4658	1927	4.9860
P10		180	0.4658	1193	3.0873

6.3 ALLOWABLE LOADS

The allowable loads for the cooling tower wooden members are determined in accordance with References 2, 8 and 11.

6.3.1 Allowable Compression Stress:

From Table 2.3.1 of Reference 8, find the allowable compressive stress is determined by applying adjustment factors to a non-factored allowable compressive stress.

$$F_C^{'} = (F_C) * (C_D) * (C_M) * (C_t) * (C_F) * (C_P)$$

Where: $F_C^{'}$ = factored allowable compressive stress parallel to the grain

F_C = non- factored allowable compressive stress paralle to the grain

C_D = load duration factor

C_M = wet service factor

C_t = temperature factor

C_F = size factor

C_P = column stability factor

- From page B7, find the wood allowable loads are to be based on Douglas Fir #1 grade lumber. From Table 114-A, Reference 11, find the following allowable compressive stress:

  $$F_C = 1377 * psi \quad \text{(with } C_D = 0.9\text{)}$$

  Per note 3 of Table 114-A, Reference 11, the allowable compressive stress above has been adjusted for a 50 year load duration (C_D = 0.9).

- From Table 2.3.2, Reference 8, find the load duration factor, C_D, = 1.0 for live load and 0.9 for dead load. Therefore the unadjusted allowable compressive stress = (1377 psi) / (0.9) = 1530 psi.

- From Table 114-D, Reference 11, find the wet service factor, C_M, = 0.80 for compression parallel to the grain for saturated wood. The cooling tower wood wet service is defined as saturated on sheet B7.

- From Table 114-D, Reference 11, find the wet service factor, C_M, = 0.90 for the modulus of elasticity for saturated wood. The cooling tower wood wet service is defined as saturated on sheet B7.

- From sheet B7, find the following temperature profile for the cooling tower structure:

Design Loads

a. Design Temperatures for calculation of wood allowable loads.

Plenum Area: 100.3F

Fill Area - top third of tower: 115.F (model Z < approx. 654" and > 380")

Fill Area - middle third of tower: 107.5F (model Z < approx. 380" and > 190")

Fill Area – bottom third near deep basin: 100.F (model Z < approx. 190")

From Table 114-C, Reference 11, find the following temperature correction factors, C_t:

	Temperature ^oF					
	90	100	107.5	110	115	130
Modulus of Elasticity (Table Values)	0.96			0.93		0.91
Modulus of Elasticity Interpolated Values		0.945	0.934		0.925	
Compression parallel to grain (Table Values)	0.87			0.76		0.64
Compression parallel to grain, Interpolated Values		0.815	0.774		0.73	

- From Table 114-B, Reference 11, find the following size adjustment factors, C_F,

Width	Compression Parallel to Grain (F c)
(2", 3" and 4")	1.15
5"	1.10
6	1.10
8	1.05
10	1.00
12	1.00
14	0.90

- From Section 3.3.3.1 of Reference 8, the beam stability factor, C_L, is 1.0 for the 4x4's as the depth does not exceed the breadth, and it is1.0 for the 2x8's as the member is laterally supported per Sections 3.3.3.2 and 4.4.1.
- From Section 3.7 of Reference 8, the column stability factor, C_P, is determined as follows:

$$C_P = \frac{1 + \left(\frac{F_{cE}}{F_{comp}}\right)}{2 \cdot c} - \sqrt{\left[\frac{1 + \left(\frac{F_{cE}}{F_{comp}}\right)}{2 \cdot c}\right]^2 - \left(\frac{\frac{F_{cE}}{F_{comp}}}{c}\right)}$$

Where: F_{comp} = tabulated compression design value multiplied by all applicable adjustment factors except C_P. A temperature reduction factor for each highest level is used in the tables following:

$$F_{cE} = \frac{(K_{cE}) \cdot (E)}{\left(\frac{l_e}{d}\right)^2}$$

; from Section 3.7.1.3, Reference 8, the slenderness ratio, le/d, shall be the larger of the two lateral support spans adjusted by the appropriate buckling length coefficient, Ke, from Appendix G, Reference 8.

From Table 114A, Ref. 11, E = 1.7 x 10^6 psi for No. 1 Douglas Fir with a 50 year load duration and dry service conditions. This value is adjusted as follows:

E = 1.7 x 10^6 psi *(0.9) * (0.945) = 1445850 psi (0.945 is temp. adjustment factor for the bottom third)

(0.9 is moisture correction factor)

K_{cE} = 0.3 for visually graded lumber

C = 0.8 for sawn lumber

The ratio, l/d, will vary for the bottom compression members due to bracing locations. Determine the allowable compressive loads for various brace spacing lengths. Per Section 3.7.1.4, Reference 8, the ratio, l/d, is limited to 50.

6.3.2 Allowable Bending Stress:

From Table 2.3.1 of Reference 8, find the allowable bending stress is determined by applying adjustment factors to a non-factored allowable bending stress.

$$F_b' = (F_b) * (C_D) * (C_M) * (C_t) * (C_L) * (C_F) * (C_{fu}) * (C_r) * (C_f)$$

Where: F_C' = factored allowable bending stress

F_b = non- factored allowable bending stress

C_D = load duration factor

C_M = wet service factor

C_t = temperature factor

C_L = beam stability factor

C_F = size factor

C_{fu} = flat use factor

C_r = repetitive member factor

C_f = form factor

- From page B7, find the wood allowable loads are to be based on Douglas Fir No. 1 grade lumber. From Table 114-A, Reference 11, find the following allowable bending stress:

  $$F_b = 950 * \text{psi} \quad (\text{with } C_D = 0.9)$$

  Per note 3 of Table 114-A, Reference 11, the allowable compressive stress above has been adjusted for a 50 year load duration ($C_D = 0.9$).

- From Table 2.3.2, Reference 8, find the load duration factor, $C_D = 1.0$ for live load and 0.9 for dead load. Therefore the unadjusted allowable bending stress = (950 psi) / (0.9) = 1056 psi.

- From Table 114-D, Reference 11, find the wet service factor, $C_M = 0.85$ for bending stress for saturated wood. The cooling tower wood in-service condition is defined as saturated on sheet B7.

- From Table 114-C, Reference 11, find the following temperature correction factors for bending, C_t:

	Temperature ^oF					
	90	100	107.5	110	115	130
Bending (Table values)	0.87			0.76		0.64
Interpolated Values		0.815	0.774		0.73	

- From Section 3.3.3.1 of Reference 8, the beam stability factor, C_L, is 1.0 for the 4x4's as the depth does not exceed the breadth.
- From Table 114-B, Reference 11, the size adjustment factor, C_F is 1.5 for the 4x4's.
- Per Table 4A of Reference 8, the flat use factor C_{fu} = 1.0 as the load is applied to the normal face of the lumber. For out of plane loading (seismic) the flat use factor = 1.0 for the 4x4's.
- Per Section 4.3.4 of Reference 8, the cooling tower column and diagonal brace members are not defined as "Repetitive Members" and the factor, C_r = 1.0
- Per Section 2.3.8 of Reference 8, as the cooling tower members are not loaded on their diagonal (diamond section), the form factor, C_f = 1.0

6.3.3 Allowable Tension Stress:

The allowable tension stress is required for the seismic load on the bracing. From Table 2.3.1 of Reference 8, find the allowable tension stress is determined by applying adjustment factors to a non-factored allowable tension stress.

$$F_t' = (F_t) * (C_D) * (C_M) * (C_t) * (C_F)$$

Where: F_t' = factored allowable tensile stress parallel to the grain

F_t = non- factored allowable tensile stress parallel to the grain

C_D = load duration factor

C_M = wet service factor

C_t = temperature factor

C_F = size factor

- From page B7, find the wood allowable loads are to be based on Douglas Fir #1 grade lumber. From Table 114-A, Reference 11, find the following allowable tension stress:

  $$F_C = 641 * \text{psi} \quad (\text{with } C_D = 0.9)$$

  Per note 3 of Table 114-A, Reference 11, the allowable tension stress above has been adjusted for a 50 year load duration ($C_D = 0.9$).

- From Table 2.3.2, Reference 8, find the load duration factor, $C_D = 1.0$ for live load, 0.9 for dead load, and 1.6 for earthquake loads. Therefore the unadjusted allowable tension stress = (641 psi) / (0.9) = 712 psi.

- From Table 114-D, Reference 11, find the wet service factor, $C_M = 1.0$ for tension stress for saturated wood. The cooling tower wood wet service is defined as saturated on sheet B7.

- From Table 114-C, Reference 11, find the following temperature correction factors for tension parallel to grain, C_t:

	Temperature ^oF					
	90	100	107.5	110	115	130
Tension Parallel to Grain	0.96			0.93		0.91
Interpolated Values		0.945	0.934		0.925	

- From Table 114-B, Reference 11, the size adjustment factor for tension, C_F is 1.5 for the 4x4's and 4 x 6's (width taken as 3.5" max).

Determine Value for Kce for Bracing for MHE Earthquake:

Calculate the value of Kce for bracing subjected to the MHE earthquake using Section 3.7.1.5 of Reference 21. The 1.66 FS value in equation CA3.7-1 is for OBE level earthquake. Adjust this value to 1.33 for MHE earthquake.

$COV_E := 0.25$ Coefficient of variation for machine and visually graded lumber from Ref. 11, Appendix F Table F-1.

$FS := 1.33$ Factor of safety for MHE earthquake.

$$K_{ce} := \left(1 - 1.645 \cdot COV_E\right) \cdot \left[\frac{(0.822) \cdot (1.03)}{(FS)}\right]$$ Equation CA3.7-1, Ref. 21.

$K_{ce} = 0.375$

6.3.4 Determine Allowable Compression and Bending Loads:

As there are 3 different temperature areas in the fill area of the cooling tower, determine the allowable compression and bending loads for each of the three regions. The regions are defined as follows:

Compression Parallel to Grain:

- Top Third - temperature correction factor for compression parallel to grain= 0.73
- Mid Third - temperature correction factor compression parallel to grain = 0.774
- Bottom Third - temperature correction factor compression parallel to grain = 0.815

Tension Parallel to Grain:

- Top Third - temperature correction factor for tension parallel to grain= 0.925
- Mid Third - temperature correction factor tension parallel to grain = 0.934
- Bottom Third - temperature correction factor tension parallel to grain = 0.945

The plenum area is the same as the bottom third.

See the following sheets for the computed allowable stress values:

DEAD LOAD ALLOWABLE COMPRESSION STRESSES AND LOADS – TOP THIRD

4 x 4 Column Members with Ke = 0.8:

			Stress Factors	E Factors	Bending Stress Factors	Bending Stress Factors
KcE =	0.3	load duration factor =	0.9	N/A	0.9	
c =	0.8	moisture factor =	0.80	0.90	0.85	
		temp. factor =	0.730	0.925	0.730	(4x4 and 4x6)
		size factor =	1.15	N/A		1.5

unadjusted E = 1700000 psi
adjusted E = 1.7E6 psi * moisture factor * temperature factor
adjusted E = 1415250 psi

Fcomp = 1530 psi * load duration factor * moisture factor * temperature factor * size factor
Fcomp = 925 psi

d = 3.5 inches

Brace spacing length in feet:

	3.67	4	5	6	6.67	7	7.08	7.17	7.67	7.83	8	8.42	8.75	9.5	10
l/d ratio using d = 3.5" and ke = 0.8	10.1	11.0	13.7	16.5	18.3	19.2	19.4	19.7	21.0	21.5	21.9	23.1	24.0	26.1	27.4
Fce	4198	3527	2257	1568	1270	1152	1125	1099	960	920	882	797	737	625	564
(Fce / Fcomp)	4.539	3.814	2.441	1.695	1.373	1.245	1.216	1.188	1.038	0.995	0.954	0.861	0.797	0.676	0.610
Cp	0.950	0.939	0.896	0.837	0.788	0.761	0.754	0.747	0.704	0.689	0.674	0.637	0.608	0.545	0.506

DEAD LOAD ALLOWABLE COMPRESSION STRESSES AND LOADS – TOP THIRD

4 x 4 Column Members with Ke = 0.8:

Allowable dead load compressive stress (psi) for members located in the upper 1/3 of the structure.

	Brace spacing length in feet:														
	3.67	4	5	6	6.667	7	7.08	7.17	7.67	7.83	8	8.42	8.75	9.5	10
$F_{allow_comp\ (psi)}$ =	878	868	829	774	729	704	697	691	651	637	624	589	562	504	468

Allowable Dead Load Compressive Load on a 4x4 member:

P_{allow} (lbs) =	10759	10634	10151	9480	8925	8621	8542	8463	7973	7806	7639	7221	6890	6178	5736

SNOW LOAD ALLOWABLE COMPRESSION STRESSES AND LOADS – TOP THIRD

4 x 4 Column Members with Ke = 0.8:

			Stress Factors	E Factors
KcE =	0.3	load duration factor =	1.15	N/A
c =	0.8	moisture factor =	0.80	0.90
		temp. factor =	0.730	0.925
		size factor =	1.15	N/A

unadjusted E = 1700000 psi
adjusted E = 1.7E6 psi * moisture factor * temperature factor
adjusted E = 1415250 psi

Fcomp = 1530 psi * load duration factor * moisture factor * temperature factor * size factor
Fcomp = 1182 psi

d = 3.5 inches

Brace spacing length in feet:

	3.67	4	5	6	6.667	7	7.08	7.17	7.67	7.83	8	8.417	8.75	9.5	10
l/d ratio using d = 3.5" and ke = 0.8	10.1	11.0	13.7	16.5	18.3	19.2	19.4	19.7	21.0	21.5	21.9	23.1	24.0	26.1	27.4
Fce	4198	3527	2257	1568	1270	1152	1125	1099	960	920	882	797	737	625	564
(Fce / Fcomp)	3.552	2.985	1.910	1.327	1.075	0.975	0.952	0.930	0.813	0.778	0.746	0.674	0.624	0.529	0.478
Cp	0.933	0.918	0.859	0.779	0.715	0.682	0.674	0.665	0.615	0.599	0.583	0.544	0.515	0.454	0.418

SNOW LOAD ALLOWABLE COMPRESSION STRESSES AND LOADS – TOP THIRD

4 x 4 Column Members with Ke = 0.8:

Allowable snow load compressive stress (psi) for members located in the upper 1/3 of the structure.

	Brace spacing length in feet:														
	3.67	4	5	6	6.667	7	7.08	7.17	7.67	7.83	8	8.417	8.75	9.5	10
$F_{allow_comp\ (psi)}$ =	1103	1085	1016	920	845	806	796	786	727	708	689	643	608	536	494

Allowable Dead plus Snow Load Compressive Load on a 4x4 member:

P_{allow} (lbs) =	13512	13294	12441	11272	10354	9873	9753	9631	8909	8673	8441	7878	7450	6569	6046

SESIMC LOAD ALLOWABLE COMPRESSION STRESSES AND LOADS – TOP THIRD

4 x 4 Column Members with Ke = 0.8:

			Stress Factors	E Factors
KcE =	0.3	load duration factor =	1.6	N/A
c =	0.8	moisture factor =	0.80	0.90
		temp. factor =	0.730	0.925
		size factor =	1.15	N/A

unadjusted E = 1700000 psi
adjusted E = 1.7E6 psi * moisture factor * temperature factor
adjusted E = 1415250 psi

Fcomp = 1530 psi * load duration factor * moisture factor * temperature factor * size factor
Fcomp = 1644 psi

d = 3.5 inches

	Brace spacing length in feet:								92						
	3.67	4	5	6	6.67	7	7.08	7.17	7.67	7.83	8	8.417	8.75	9.5	10
l/d ratio using d = 3.5" and ke = 0.8	10.1	11.0	13.7	16.5	18.3	19.2	19.4	19.7	21.0	21.5	21.9	23.1	24.0	26.1	27.4
Fce	4198	3527	2257	1568	1270	1152	1125	1099	960	920	882	797	737	625	564
(Fce / Fcomp)	2.553	2.145	1.373	0.954	0.772	0.701	0.684	0.668	0.584	0.559	0.536	0.485	0.448	0.380	0.343
Cp	0.902	0.878	0.788	0.674	0.596	0.559	0.550	0.541	0.490	0.474	0.459	0.423	0.396	0.344	0.314

SESIMC LOAD ALLOWABLE COMPRESSION STRESSES AND LOADS – TOP THIRD

4 x 4 Column Members with Ke = 0.8:

Allowable seismic compressive stress (psi) for members located in the upper 1/3 of the structure.

	Brace spacing length in feet:														
	3.67	4	5	6	6.67	7	7.08	7.17	7.67	7.83	8	8.417	8.75	9.5	10
$F_{allow_comp\ (psi)}$ =	1482	1444	1295	1109	980	919	904	889	805	779	754	695	652	566	517

Allowable Seismic Load Compressive Load on a 4x4 member:

P_{allow} (lbs) =	18158	17688	15867	13580	12008	11256	11074	10893	9867	9546	9237	8513	7982	6932	6332

DEAD LOAD ALLOWABLE COMPRESSION STRESSES AND LOADS – TOP THIRD

4 x 4 Brace Members with Ke = 1.0:

			Stress Factors	E Factors
KcE =	0.3	load duration factor =	0.9	N/A
c =	0.8	moisture factor =	0.80	0.90
		temp. factor =	0.730	0.925
		size factor =	1.15	N/A

unadjusted E = 1700000 psi
adjusted E = 1.7E6 psi * moisture factor * temperature factor
adjusted E = 1415250 psi

Fcomp = 1530 psi * load duration factor * moisture factor * temperature factor * size factor
Fcomp = 925 psi

d = 3.5 inches

Brace spacing length in feet:

	3.67	4	5	6	6.667	7	7.08	7.17	7.83	8	8.417	8.75	9.5	10
l/d ratio using d = 3.5" and ke = 1.0.	12.6	13.7	17.1	20.6	22.9	24.0	24.3	24.6	26.9	27.4	28.9	30.0	32.6	34.3
Fce	2686	2257	1445	1003	813	737	720	703	589	564	510	472	400	361
(Fce / Fcomp)	2.905	2.441	1.562	1.085	0.879	0.797	0.778	0.760	0.636	0.610	0.551	0.510	0.433	0.391
Cp	0.916	0.896	0.819	0.718	0.645	0.608	0.599	0.590	0.522	0.506	0.469	0.441	0.385	0.352

DEAD LOAD ALLOWABLE COMPRESSION STRESSES AND LOADS – TOP THIRD

4 x 4 Brace Members with Ke = 1.0:

Allowable dead load compressive stress (psi) for members located in the upper 1/3 of the structure.

	Brace spacing length in feet:													
	3.67	4	5	6	6.667	7	7.08	7.17	7.83	8	8.417	8.75	9.5	10
$F_{allow_comp\ (psi)}$ =	847	829	758	664	596	562	554	546	483	468	433	408	356	326

Allowable Dead Load Compressive Load on a 4x4 member:

P_{allow} (lbs) =	10374	10151	9282	8138	7304	6890	6789	6687	5917	5736	5309	4992	4358	3990

SEISMIC LOAD ALLOWABLE COMPRESSION STRESSES AND LOADS – TOP THIRD

4 x 4 Brace Members with Ke = 1.0:

			Stress Factors	E Factors
KcE =	0.38	load duration factor =	1.6	N/A
c =	0.8	moisture factor =	0.80	0.90
		temp. factor =	0.730	0.925
		size factor =	1.15	N/A

unadjusted E = 1700000 psi
adjusted E = 1.7E6 psi * moisture factor * temperature factor
adjusted E = 1415250 psi

Fcomp = 1530 psi * load duration factor * moisture factor * temperature factor * size factor
Fcomp = 1644 psi

d = 3.5 inches

	Brace spacing length in feet:							86 in	94 in		101 in			
	3.67	4	5	6	6.667	7	7.08	7.17	7.83	8	8.417	8.75	9.5	10
l/d ratio using d = 3.5" and ke = 1.0	12.6	13.7	17.1	20.6	22.9	24.0	24.3	24.6	26.9	27.4	28.9	30.0	32.6	34.3
Fce	3403	2859	1830	1271	1029	934	912	891	746	715	646	598	507	457
(Fce / Fcomp)	2.070	1.739	1.113	0.773	0.626	0.568	0.555	0.542	0.453	0.435	0.393	0.363	0.308	0.278
Cp	0.873	0.842	0.727	0.597	0.516	0.480	0.471	0.462	0.400	0.386	0.354	0.331	0.286	0.260

SEISMIC LOAD ALLOWABLE COMPRESSION STRESSES AND LOADS – TOP THIRD

4 x 4 Brace Members with Ke = 1.0:

Allowable seismic compressive stress (psi) for members located in the upper 1/3 of the structure.

	Brace spacing length in feet:													
	3.67	4	5	6	6.667	7	7.08	7.17	7.83	8	8.417	8.75	9.5	10
$F_{allow_comp\ (psi)}$ =	1435	1384	1195	981	848	788	774	760	658	635	582	544	469	427

Allowable seismic Compressive Load on a 4x4 member:

P_{allow} (lbs) =	17577	16957	14635	12015	10393	9658	9483	9311	8058	7778	7130	6662	5750	5236

SEISMIC ALLOWABLE COMPRESSION STRESSES AND LOADS – TOP THIRD

4 x 6 Brace Members with Ke = 1.0:

SEISMIC LOAD DURATION FACTOR = 1.60

			Stress Factors	E Factors
KcE =	0.3	load duration factor =	1.6	N/A
c =	0.8	moisture factor =	0.80	0.90
		temp. factor =	0.730	0.925
		size factor =	1.10	N/A

unadjusted E = 1700000 psi
adjusted E = 1.7E6 psi * moisture factor * temperature factor
adjusted E = 1415250 psi

Fcomp = 1530 psi * load duration factor * moisture factor * temperature factor * size factor
Fcomp = 1573 psi

d = 3.5 inches

Brace spacing length in feet:

	3.67	4	5	6	6.667	7	7.08	7.17	7.83	8	8.417	8.75	9.5	10
l/d ratio using d = 3.5" and ke = 1.0.	12.6	13.7	17.1	20.6	22.9	24.0	24.3	24.6	26.9	27.4	28.9	30.0	32.6	34.3
Fce	2686	2257	1445	1003	813	737	720	703	589	564	510	472	400	361
(Fce / Fcomp)	1.708	1.435	0.919	0.638	0.517	0.469	0.458	0.447	0.374	0.359	0.324	0.300	0.254	0.230
Cp	0.838	0.799	0.661	0.523	0.445	0.411	0.403	0.395	0.339	0.327	0.299	0.278	0.239	0.218

SEISMIC ALLOWABLE COMPRESSION STRESSES AND LOADS – TOP THIRD

4 x 6 Brace Members with Ke = 1.0:

Allowable seismic load compressive stress (psi) for members located in the upper 1/3 of the structure.

	Brace spacing length in feet:													
	3.67	4	5	6	6.667	7	7.08	7.17	7.83	8	8.417	8.75	9.5	10
$F_{allow_comp\ (psi)}$ =	1318	1257	1039	823	700	647	634	622	534	514	470	438	377	342

Allowable Seismic Load Compressive Load on a 4x6 member:

P_{allow} (lbs) =	25380	24194	20009	15838	13480	12450	12209	11971	10275	9901	9044	8430	7248	6586

ALLOWABLE BENDING STRESSES AND LOADS (DEAD LOAD AND SEISMIC) – TOP THIRD

All Members:

Bending Allowable Stresses:
Allowable bending is adjusted by, load duration, wet service, temperature, beam stability, size factor, flat use factor, repetitice member factor, curvature factor and form factors.

Defined allowable bending stress = 950 psi. in Table 114-A, Reference 11. This includes a load duration factor = 0.9.

unadjusted bending stress = allowable bending stress / load duration factor of 0.9
unadjusted bending stress = 1056 psi

Beam stability factor = 1.0
Flat use factor = 1.0
Repetitive member factor = 1.0
Form factor = 1.0

Per Table 2.3.1 of Reference 8, the revised allowable bending stress =
Fb * (load duration factor)*(moisture factor)*(temp. factor)*(beam stabilityfactor)*(size factor)*(flat use factor) *(repetitive member factor)*(form factor)

	Members 4x4	Members 4x6	
Dead Load Allowable Bending Stress (psi) =	884	884	
Seismic Allowable Bending Stress (psi) =	1572	1572	(1.60/0.9) * DL allowable
Snow Load Allowable Bending Stress (psi) =	1130	1130	(1.15/0.9) * DL allowable
Section modulus for 4x4 =	7.146	in^3	
Section modulus for 4x6 =	17.65	in^3	
Section modulus for 2x8 =	13.14	in^3	
Section modulus for 2x4 =	3.063	in^3	

Allowable Bending Moments (lb*in)

	4x4	4x6
Dead Load =	6319	15606
Seismic Load =	11233	27745
Snow Load =	8074	19941

DEAD LOAD ALLOWABLE COMPRESSION STRESSES AND LOADS – MIDDLE THIRD

4 x 4 Column Members with Ke = 0.8:

			Stress Factors	E Factors	Bending Stress Factors	Bending Stress Factors
KcE =	0.3	load duration factor =	0.9	N/A	0.9	
c =	0.8	moisture factor =	0.80	0.90	0.85	
		temp. factor =	0.774	0.934	0.774	(4x4 and 4x6)
		size factor =	1.15	N/A		1.5

unadjusted E = 1700000 psi
adjusted E = 1.7E6 psi * moisture factor * temperature factor
adjusted E = 1429020 psi

Fcomp = 1530 psi * load duration factor * moisture factor * temperature factor * size factor
Fcomp = 981 psi

d = 3.5 inches

	Brace spacing length in feet:							86	92	94					
	3.67	4	5	6	6.667	7	7.08	7.17	7.67	7.83	8	8.417	8.5	8.75	10
l/d ratio using d = 3.5" and ke = 0.8	10.1	11.0	13.7	16.5	18.3	19.2	19.4	19.7	21.0	21.5	21.9	23.1	23.3	24.0	27.4
Fce	4238	3562	2279	1583	1282	1163	1136	1109	969	929	890	804	789	744	570
(Fce / Fcomp)	4.323	3.632	2.325	1.614	1.308	1.186	1.158	1.132	0.989	0.947	0.908	0.820	0.804	0.759	0.581
Cp	0.947	0.935	0.890	0.827	0.775	0.746	0.739	0.732	0.687	0.672	0.657	0.619	0.612	0.590	0.488

DEAD LOAD ALLOWABLE COMPRESSION STRESSES AND LOADS – MIDDLE THIRD

4 x 4 Column Members with Ke = 0.8:

Allowable dead load compressive stress (psi) for members located in the mid 1/3 of the structure.

	Brace spacing length in feet:														
	3.67	4	5	6	6.667	7	7.08	7.17	7.67	7.83	8	8.417	8.5	8.75	10
$F_{allow_comp\ (psi)}$ =	928	917	872	810	760	732	725	718	674	659	644	607	600	578	479

Allowable Dead Load Compressive Load on a 4x4 member:

P_{allow} (lbs) =	11374	11233	10686	9928	9306	8966	8879	8791	8253	8071	7889	7436	7347	7082	5863

DEAD PLUS SNOW ALLOWABLE COMPRESSION STRESSES AND LOADS – MIDDLE THIRD

4 x 4 Column Members with Ke = 0.8:

			Stress Factors	E Factors
KcE =	0.3	load duration factor =	1.15	N/A
c =	0.8	moisture factor =	0.80	0.90
		temp. factor =	0.774	0.934
		size factor =	1.15	N/A

unadjusted E = 1700000 psi
adjusted E = 1.7E6 psi * moisture factor * temperature factor
adjusted E = 1429020 psi

Fcomp = 1530 psi * load duration factor * moisture factor * temperature factor * size factor
Fcomp = 1253 psi

d = 3.5 inches

Brace spacing length in feet:

	3.67	4	5	6	6.667	7	7.08	7.17	7.67	7.83	8	8.417	8.5	8.75	10
l/d ratio using d = 3.5" and ke = 0.8	10.1	11.0	13.7	16.5	18.3	19.2	19.4	19.7	21.0	21.5	21.9	23.1	23.3	24.0	27.4
Fce	4238	3562	2279	1583	1282	1163	1136	1109	969	929	890	804	789	744	570
(Fce / Fcomp)	3.383	2.843	1.819	1.263	1.023	0.928	0.907	0.886	0.774	0.741	0.711	0.642	0.630	0.594	0.455
Cp	0.930	0.913	0.851	0.765	0.699	0.665	0.656	0.648	0.597	0.581	0.564	0.526	0.518	0.496	0.401

DEAD PLUS SNOW ALLOWABLE COMPRESSION STRESSES AND LOADS – MIDDLE THIRD

4 x 4 Column Members with Ke = 0.8:

Allowable dead plus snow load compressive stress (psi) for members located in the mid 1/3 of the structure.

	Brace spacing length in feet:														
	3.67	4	5	6	6.667	7	7.08	7.17	7.67	7.83	8	8.417	8.5	8.75	10
$F_{allow_comp\ (psi)}$ =	1165	1145	1066	959	876	833	822	811	748	727	707	659	649	622	503

Allowable Dead plus Snow Load Compressive Load on a 4x4 member:

P_{allow} (lbs) =	14267	14020	13055	11742	10727	10202	10071	9939	9162	8910	8662	8067	7952	7617	6156

SEISMIC ALLOWABLE COMPRESSION STRESSES AND LOADS – M IDDLE THIRD

4 x 4 Column Members with Ke = 0.8:

SEISMIC LOAD DURATION FACTOR = 1.60

			Stress Factors	E Factors
KcE =	0.3	load duration factor =	1.6	N/A
c =	0.8	moisture factor =	0.80	0.90
		temp. factor =	0.774	0.934
		size factor =	1.15	N/A

unadjusted E = 1700000 psi
adjusted E = 1.7E6 psi * moisture factor * temperature factor
adjusted E = 1429020 psi

Fcomp = 1530 psi * load duration factor * moisture factor * temperature factor * size factor
Fcomp = 1743 psi

d = 3.5 inches

Brace spacing length in feet:

	3.67	4	5	6	6.667	7	7.08	7.17	7.67	7.83	8	8.417	8.5	8.75	10
l/d ratio using d = 3.5" and ke = 0.8	10.1	11.0	13.7	16.5	18.3	19.2	19.4	19.7	21.0	21.5	21.9	23.1	23.3	24.0	27.4
Fce	4238	3562	2279	1583	1282	1163	1136	1109	969	929	890	804	789	744	570
(Fce / Fcomp)	2.431	2.043	1.308	0.908	0.736	0.667	0.652	0.636	0.556	0.533	0.511	0.461	0.452	0.427	0.327
Cp	0.896	0.871	0.775	0.657	0.578	0.540	0.531	0.522	0.472	0.456	0.441	0.406	0.399	0.380	0.301

SEISMIC ALLOWABLE COMPRESSION STRESSES AND LOADS – M IDDLE THIRD

4 x 4 Column Members with Ke = 0.8:

Allowable seismic compressive stress (psi) for members located in the mid 1/3 of the structure.

	Brace spacing length in feet:														
	3.67	4	5	6	6.667	7	7.08	7.17	7.67	7.83	8	8.417	8.5	8.75	10
$F_{allow_comp\ (psi)}$ =	1561	1518	1350	1145	1007	942	926	910	823	795	769	708	696	663	525

Allowable seismic Compressive Load on a 4x4 member:

P_{allow} (lbs) =	19124	18592	16543	14024	12334	11535	11343	11153	10076	9742	9420	8669	8528	8121	6427

SEISMIC ALLOWABLE COMPRESSION STRESSES AND LOADS – M IDDLE THIRD

4 x 4 Brace Members with Ke = 1.0:

			Stress Factors	E Factors
KcE =	0.38	load duration factor =	1.6	N/A
c =	0.8	moisture factor =	0.80	0.90
		temp. factor =	0.774	0.934
		size factor =	1.15	N/A

unadjusted E = 1700000 psi
adjusted E = 1.7E6 psi * moisture factor * temperature factor
adjusted E = 1429020 psi

Fcomp = 1530 psi * load duration factor * moisture factor * temperature factor * size factor
Fcomp = 1743 psi

d = 3.5 inches

Brace spacing length in feet:

	3.67	4	5	6	6.667	7	7.08	7.17	7.83	8	8.417	8.5	8.75	10
									94		101	102	105	
l/d ratio using d = 3.5" and ke = 1.0	12.6	13.7	17.1	20.6	22.9	24.0	24.3	24.6	26.9	27.4	28.9	29.1	30.0	34.3
Fce	3436	2887	1848	1283	1039	943	921	899	753	722	652	639	603	462
(Fce / Fcomp)	1.971	1.656	1.060	0.736	0.596	0.541	0.528	0.516	0.432	0.414	0.374	0.367	0.346	0.265
Cp	0.865	0.832	0.711	0.578	0.498	0.462	0.453	0.445	0.384	0.370	0.339	0.333	0.317	0.249

SEISMIC ALLOWABLE COMPRESSION STRESSES AND LOADS – M IDDLE THIRD

4 x 4 Brace Members with Ke = 1.0:

Allowable seismic compressive stress (psi) for members located in the mid 1/3 of the structure.

	Brace spacing length in feet:													
	3.67	4	5	6	6.667	7	7.08	7.17	7.83	8	8.417	8.5	8.75	10
$F_{allow_comp\ (psi)}$ =	1507	1450	1239	1007	868	805	790	775	669	646	591	581	552	433

Allowable seismic Compressive Load on a 4x4 member:

P_{allow} (lbs) =	18467	17767	15177	12340	10627	9858	9676	9497	8200	7911	7244	7120	6764	5308

SEISMIC ALLOWABLE COMPRESSION STRESSES AND LOADS – M IDDLE THIRD

4 x 6 Brace Members with Ke = 1.0:

			Stress Factors	E Factors
KcE =	0.3	load duration factor =	1.6	N/A
c =	0.8	moisture factor =	0.80	0.90
		temp. factor =	0.774	0.934
		size factor =	1.10	N/A

unadjusted E = 1700000 psi
adjusted E = 1.7E6 psi * moisture factor * temperature factor
adjusted E = 1429020 psi

Fcomp = 1530 psi * load duration factor * moisture factor * temperature factor * size factor
Fcomp = 1667 psi

d = 3.5 inches

	Brace spacing length in feet:										101			
	3.67	4	5	6	6.667	7	7.08	7.17	7.83	8	8.417	8.5	8.75	10
l/d ratio using d = 3.5" and ke = 1.0.	12.6	13.7	17.1	20.6	22.9	24.0	24.3	24.6	26.9	27.4	28.9	29.1	30.0	34.3
Fce	2713	2279	1459	1013	821	744	727	710	594	570	515	505	476	365
(Fce / Fcomp)	1.627	1.367	0.875	0.608	0.492	0.446	0.436	0.426	0.356	0.342	0.309	0.303	0.286	0.219
Cp	0.828	0.787	0.643	0.505	0.428	0.395	0.387	0.379	0.325	0.313	0.286	0.281	0.266	0.208

SEISMIC ALLOWABLE COMPRESSION STRESSES AND LOADS – M IDDLE THIRD

4 x 6 Brace Members with Ke = 1.0:

Allowable seismic load compressive stress (psi) for members located in the upper 1/3 of the structure.

	Brace spacing length in feet:													
	3.67	4	5	6	6.667	7	7.08	7.17	7.83	8	8.417	8.5	8.75	10
$F_{allow_comp\ (psi)}$ =	1381	1312	1072	842	714	658	645	633	542	522	477	468	444	347

Allowable Seismic Load Compressive Load on a 4x6 member:

P_{allow} (lbs) =	26584	25251	20642	16200	13739	12674	12424	12179	10436	10053	9176	9013	8549	6670

ALLOWABLE BENDING STRESSES AND LOADS (DEAD LOAD AND SEISMIC)– MIDDLE THIRD

All Members:

Bending Allowable Stresses:
Allowable bending is adjusted by, load duration, wet service, temperature, beam stability, size factor, flat use factor, repetitice mewmber factor, curvature factor and form factor.

Defined allowable bending stress = 950 psi. in Table 114-A, Reference 11. This includes a load duration factor = 0.9.

unadjusted bending stress = allowable bending stress / load duration factor = 0.9
unadjusted bending stress = 1056 psi

Beam stability factor = 1.0
Flat use factor = 1.0
Repetitive member factor = 1.0
Form factor = 1.0

Per Table 2.3.1 of Reference 8, the revised allowable bending stress =
Fb * (load duration factor)*(moisture factor)*(temp. factor)*(beam stabilityfactor)*(size factor)*(flat use factor) *(repetitive member factor)*(form factor)

	Members 4x4	Members 4x6	
Dead Load Allowable Bending Stress (psi) =	938	938	
Seismic Allowable Bending Stress (psi) =	1667	1667	(1.60/0.9) * DL allowable
Snow Load Allowable Bending Stress (psi) =	1198	1198	(1.15/0.9) * DL allowable

Section modulus for 4x4 =	7.146	in^3
Section modulus for 4x6 =	17.65	in^3
Section modulus for 2x8 =	13.14	in^3
Section modulus for 2x4 =	3.063	in^3

Allowable Bending Moments (lb*in)

	4x4	4x6
Dead Load =	6699	16547
Seismic Load =	11910	29417
Snow Load =	8560	21143

DEAD LOAD ALLOWABLE COMPRESSION STRESSES AND LOADS – BOTTOM THIRD

4 x 4 Column Members with Ke = 0.8:

			Stress Factors	E Factors	Bending Stress Factors	Bending Stress Factors
KcE =	0.3	load duration factor =	0.9	N/A	0.9	
c =	0.8	moisture factor =	0.80	0.90	0.85	
		temp. factor =	0.815	0.945	0.815	(4x4 and 4x6)
		size factor =	1.15	N/A		1.5

unadjusted E = 1700000 psi

adjusted E = 1.7E6 psi * moisture factor * temperature factor

adjusted E = 1445850 psi

Fcomp = 1530 psi * load duration factor * moisture factor * temperature factor * size factor

Fcomp = 1032 psi

d = 3.5 inches

Brace spacing length in feet:

	3.67	4	4.75	5	5.5	6	7.00	7.083	7.67	7.83	8	8.5	8.75	9	10	12.5
l/d ratio using d = 3.5" and ke = 0.8	10.1	11.0	13.0	13.7	15.1	16.5	19.2	19.4	21.0	21.5	21.9	23.3	24.0	24.7	27.4	34.3
Fce	4288	3603	2555	2306	1906	1602	1177	1149	981	940	901	798	753	712	577	369
(Fce / Fcomp)	4.154	3.490	2.475	2.234	1.846	1.551	1.140	1.113	0.950	0.910	0.873	0.773	0.729	0.689	0.558	0.357
Cp	0.944	0.932	0.898	0.884	0.853	0.818	0.734	0.727	0.673	0.658	0.642	0.597	0.574	0.553	0.473	0.326

DEAD LOAD ALLOWABLE COMPRESSION STRESSES AND LOADS – BOTTOM THIRD

4 x 4 Column Members with Ke = 0.8:

Allowable dead load compressive stress (psi) for members located in the lower 1/3 of the structure.

	Brace spacing length in feet:															
	3.67	4	4.75	5	5.5	6	7.00	7.083	7.67	7.83	8	8.5	8.75	9	10	12.5
$F_{allow_comp\ (psi)}$ =	975	962	927	913	881	844	758	750	695	679	663	616	593	571	489	336

Allowable Dead Load Compressive Load on a 4x4 member:

P_{allow} (lbs) =	11945	11789	11355	11183	10792	10342	9285	9191	8512	8316	8121	7545	7264	6991	5987	4122

DEAD PLUS SNOW ALLOWABLE COMPRESSION STRESSES AND LOADS – BOTTOM THIRD

4 x 4 Column Members with Ke = 0.8:

			Stress Factors	E Factors
KcE =	0.3	load duration factor =	1.15	N/A
c =	0.8	moisture factor =	0.80	0.90
		temp. factor =	0.815	0.945
		size factor =	1.15	N/A

unadjusted E = 1700000 psi
adjusted E = 1.7E6 psi * moisture factor * temperature factor
adjusted E = 1445850 psi

Fcomp = 1530 psi * load duration factor * moisture factor * temperature factor * size factor
Fcomp = 1319 psi

d = 3.5 inches

Brace spacing length in feet:

	3.67	4	4.75	5	5.5	6	7.00	7.083	7.67	7.83	8	8.5	8.75	9	10	12.5
l/d ratio using d = 3.5" and ke = 0.8	10.1	11.0	13.0	13.7	15.1	16.5	19.2	19.4	21.0	21.5	21.9	23.3	24.0	24.7	27.4	34.3
Fce	4288	3603	2555	2306	1906	1602	1177	1149	981	940	901	798	753	712	577	369
(Fce / Fcomp)	3.251	2.731	1.937	1.748	1.445	1.214	0.892	0.871	0.744	0.712	0.683	0.605	0.571	0.540	0.437	0.280
Cp	0.926	0.909	0.862	0.843	0.801	0.753	0.650	0.642	0.582	0.565	0.549	0.503	0.481	0.461	0.388	0.261

DEAD PLUS SNOW ALLOWABLE COMPRESSION STRESSES AND LOADS – BOTTOM THIRD

4 x 4 Column Members with Ke = 0.8:

Allowable dead plus snow load compressive stress (psi) for members located in the lower 1/3 of the structure.

Brace spacing length in feet:

	3.67	4	4.75	5	5.5	6	7.00	7.083	7.67	7.83	8	8.5	8.75	9	10	12.5
$F_{allow_comp\ (psi)}$ =	1222	1200	1137	1112	1056	994	858	846	767	746	724	664	635	608	512	345

Allowable Dead plus Snow Load Compressive Load on a 4x4 member:

P_{allow} (lbs) =	14968	14695	13928	13623	12942	12177	10508	10367	9401	9135	8874	8130	7780	7447	6268	4222

SEISMIC ALLOWABLE COMPRESSION STRESSES AND LOADS – BOTTOM THIRD

4 x 4 Column Members with Ke = 0.8:

			Stress Factors	E Factors
KcE =	0.3	load duration factor =	1.6	N/A
c =	0.8	moisture factor =	0.80	0.90
		temp. factor =	0.815	0.945
		size factor =	1.15	N/A

unadjusted E = 1700000 psi
adjusted E = 1.7E6 psi * moisture factor * temperature factor
adjusted E = 1445850 psi

Fcomp = 1530 psi * load duration factor * moisture factor * temperature factor * size factor
Fcomp = 1836 psi

d = 3.5 inches

Brace spacing length in feet:

	3.67	4	4.75	5	5.5	6	7.00	7.083	7.67	7.83	8	8.5	8.75	9	10	12.5
l/d ratio using d = 3.5" and ke = 0.8	10.1	11.0	13.0	13.7	15.1	16.5	19.2	19.4	21.0	21.5	21.9	23.3	24.0	24.7	27.4	34.3
Fce	4288	3603	2555	2306	1906	1602	1177	1149	981	940	901	798	753	712	577	369
(Fce / Fcomp)	2.336	1.963	1.392	1.256	1.038	0.873	0.641	0.626	0.534	0.512	0.491	0.435	0.410	0.388	0.314	0.201
Cp	0.890	0.864	0.791	0.763	0.704	0.642	0.525	0.516	0.457	0.442	0.427	0.386	0.368	0.350	0.290	0.192

SEISMIC ALLOWABLE COMPRESSION STRESSES AND LOADS – BOTTOM THIRD

4 x 4 Column Members with Ke = 0.8:

Allowable seismic compressive stress (psi) for members located in the lower 1/3 of the structure.

	Brace spacing length in feet:															
	3.67	4	4.75	5	5.5	6	7.00	7.083	7.67	7.83	8	8.5	8.75	9	10	12.5
$F_{allow_comp\ (psi)}$ =	1634	1586	1453	1401	1292	1179	964	947	839	811	784	709	675	643	533	352

Allowable seismic Compressive Load on a 4x4 member:

P_{allow} (lbs) =	20020	19430	17796	17167	15826	14438	11804	11603	10283	9937	9604	8683	8264	7871	6529	4315

.

SEISMIC ALLOWABLE COMPRESSION STRESSES AND LOADS – BOTTOM THIRD

4 x 4 Brace Members with Ke = 1.0:

			Stress Factors	E Factors
KcE =	0.38	load duration factor =	1.6	N/A
c =	0.8	moisture factor =	0.80	0.90
		temp. factor =	0.815	0.945
		size factor =	1.15	N/A

unadjusted E = 1700000 psi
adjusted E = 1.7E6 psi * moisture factor * temperature factor
adjusted E = 1445850 psi

Fcomp = 1530 psi * load duration factor * moisture factor * temperature factor * size factor
Fcomp = 1836 psi

d = 3.5 inches

Brace spacing length in feet:

	3.67	4	4.75	5	5.5	6	7.00	7.083	7.67	7.83	8	8.417	8.75	9	10
l/d ratio using d = 3.5" and ke = 1.0	12.6	13.7	16.3	17.1	18.9	20.6	24.0	24.3	26.3	26.9	27.4	28.9	30.0	30.9	34.3
Fce	3476	2921	2072	1870	1545	1298	954	932	795	762	730	660	610	577	467
(Fce / Fcomp)	1.894	1.591	1.129	1.019	0.842	0.707	0.520	0.508	0.433	0.415	0.398	0.359	0.333	0.314	0.255
Cp	0.858	0.823	0.731	0.697	0.629	0.563	0.447	0.439	0.385	0.371	0.358	0.328	0.306	0.291	0.240

SEISMIC ALLOWABLE COMPRESSION STRESSES AND LOADS – BOTTOM THIRD

4 x 4 Brace Members with Ke = 1.0:

Allowable seismic compressive stress (psi) for members located in the lower 1/3 of the structure.

	Brace spacing length in feet:														
	3.67	4	4.75	5	5.5	6	7.00	7.083	7.67	7.83	8	8.417	8.75	9	10
$F_{allow_comp\ (psi)}$ =	1575	1511	1342	1280	1154	1033	821	806	707	681	657	601	561	533	440

Allowable seismic Compressive Load on a 4x4 member:

P_{allow} (lbs) =	19290	18515	16438	15679	14138	12650	10057	9869	8657	8346	8049	7365	6873	6533	5386

SEISMIC ALLOWABLE COMPRESSION STRESSES AND LOADS – BOTTOM THIRD

4 x 6 Brace Members with Ke = 1.0:

			Stress Factors	E Factors
KcE =	0.3	load duration factor =	1.6	N/A
c =	0.8	moisture factor =	0.80	0.90
		temp. factor =	0.815	0.945
		size factor =	1.10	N/A

unadjusted E = 1700000 psi
adjusted E = 1.7E6 psi * moisture factor * temperature factor
adjusted E = 1445850 psi

Fcomp = 1530 psi * load duration factor * moisture factor * temperature factor * size factor
Fcomp = 1756 psi

d = 3.5 inches

Brace spacing length in feet:

	3.67	4	4.75	5	5.5	6	7.00	7.083	7.67	7.83	8	8.417	8.75	9	10
l/d ratio using d = 3.5" and ke = 1.0	12.6	13.7	16.3	17.1	18.9	20.6	24.0	24.3	26.3	26.9	27.4	28.9	30.0	30.9	34.3
Fce	2745	2306	1635	1476	1220	1025	753	736	628	601	577	521	482	456	369
(Fce / Fcomp)	1.563	1.314	0.931	0.841	0.695	0.584	0.429	0.419	0.358	0.343	0.328	0.297	0.275	0.259	0.210
Cp	0.819	0.776	0.666	0.628	0.556	0.490	0.382	0.374	0.326	0.314	0.302	0.276	0.257	0.244	0.200

SEISMIC ALLOWABLE COMPRESSION STRESSES AND LOADS – BOTTOM THIRD

4 x 6 Brace Members with Ke = 1.0:

Allowable seismic load compressive stress (psi) for members located in the lower 1/3 of the structure.

	Brace spacing length in feet:														
	3.67	4	4.75	5	5.5	6	7.00	7.083	7.67	7.83	8	8.417	8.75	9	10
$F_{allow_comp\ (psi)}$ =	1439	1362	1169	1103	976	860	670	657	572	551	531	484	451	428	351

Allowable Seismic Load Compressive Load on a 4x6 member:

P_{allow} (lbs) =	27695	26226	22508	21234	18782	16553	12903	12646	11019	10606	10214	9318	8678	8238	6765

ALLOWABLE BENDING STRESSES AND LOADS (DEAD LOAD AND SEISMIC)– BOTTOM THIRD

All Members:

Bending Allowable Stresses:
Allowable bending is adjusted by, load duration, wet service, temperature, beam stability, size factor, flat use factor, repetitice mewmber factor, curvature factor and form factor.

Defined allowable bending stress = 950 psi. in Table 114-A, Reference 11. This includes a load duration factor = 0.9.

unadjusted bending stress = allowable bending stress / load duration factor = 0.9
unadjusted bending stress = 1056 psi

Beam stability factor = 1.0
Flat use factor = 1.0
Repetitive member factor = 1.0
Form factor = 1.0

Per Table 2.3.1 of Reference 8, the revised allowable bending stress =
Fb * (load duration factor)*(moisture factor)*(temp. factor)*(beam stability factor)*(size factor)*(flat use factor) *(repetitive member factor)*(form factor)

	Members 4x4	Members 4x6	
Dead Load Allowable Bending Stress (psi) =	987	987	
Seismic Allowable Bending Stress (psi) =	1755	1755	(1.60/0.9) * DL allowable
Snow Load Allowable Bending Stress (psi) =	1261	1261	(1.15/0.9) * DL allowable
Section modulus for 4x4 =	7.146	in^3	
Section modulus for 4x6 =	17.65	in^3	
Section modulus for 2x8 =	13.14	in^3	
Section modulus for 2x4 =	3.063	in^3	

Allowable Bending Moments (lb*in)

	4x4	4x6
Dead Load =	7054	17424
Seismic Load =	12541	30975
Snow Load =	9014	22263

TAPERED BOTTOM OF COMPANION POSTS

The installation of the companion posts required the tapering of the bottom section per sheet 35 of Reference 13. For these posts, the compression area transferring the load is 3-1/2" x 4-1/2". This section of post (only at bottom of the columns) is not subject to the column stability reduction factor. The allowable load for the columns at the base of the companion posts is as follows:

DEAD and SEISMIC LOAD (Posts are located in bottom third)

	Stress Factors
load duration factor =	0.9
moisture factor =	0.80
temp. factor =	0.815
size factor =	1.15

Fcomp = 1530 psi * load duration factor * moisture factor * temperature factor * size factor
Fcomp = 1032 psi

Base area = 3.5" x 4.5" = 15.75 in^2

Allowable Dead load = A * stress allow = 16261 lbs.
Allowable Seismic load = A * stress allow = 28909 lbs.

Seismic load = DL * (1.6 / 0.9)

6.4 RESULTS

Computer output files in Attachments F through Q provide the analysis results including modal response and member forces for each model.

Attachment R shows the member lengths and resulting allowable loads.

Member forces for each bent are extracted from the output files and summarized in Attachment S. Member interaction ratios are also calculated and summarized in Attachment S.

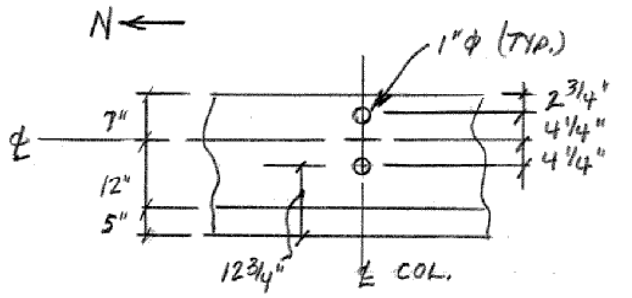
From inspection of Attachment S, interaction ratios for all members are 1.0 or less, showing that the cooling tower members in the analysis meet the acceptance criteria.

6.4.1 Base Reaction Forces

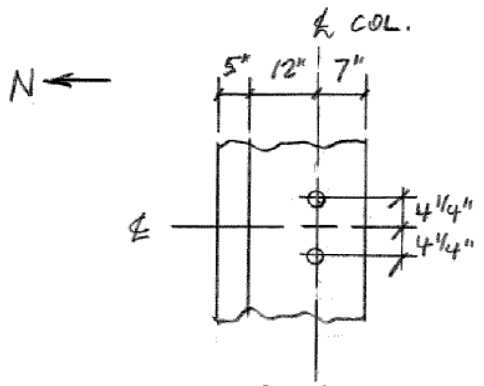
Base reaction forces are summarized in the tables in Attachment D. Plots of the base reaction forces are included in Attachment E. The base anchorage is checked in the following pages.

Check Base Anchor Bolts

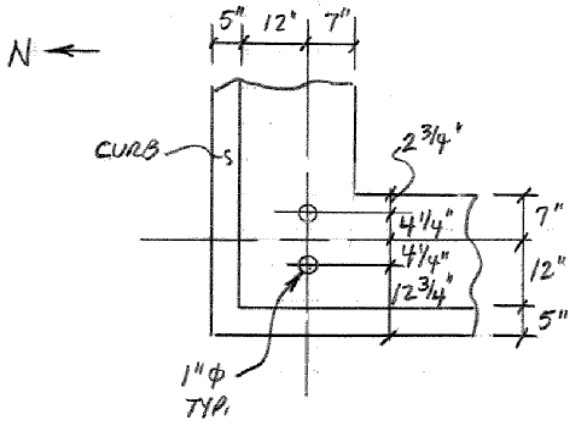
Determine anchor bolt capacity using Appendix C of the GIP (Ref. 3). The foundation support details and base anchorage are shown in References 7.11 and 7.12. The bolts are 1" diameter cast in place J-bolts, with 21" minimum embedment and 3 1/2" leg. The concrete strength is conservatively assumed to be 3000 psi based on Ref. 7.11. Some of the bolts have shear plates to help transfer shear, as shown in the details on Ref. 7.11. These plates are conservatively neglected in the shear allowable calculations. The following configurations apply to the columns that have bracing and that will experience shear loads due to earthquake loading.



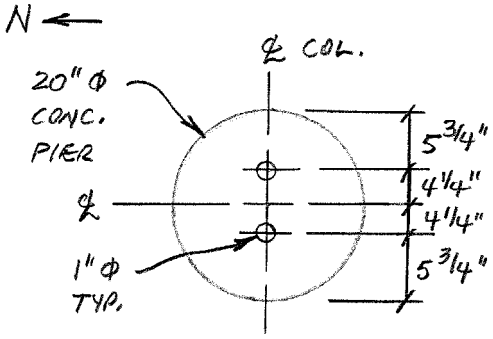
PLAN - WEST SIDE PERIMETER WALL (EAST SIDE OPP. HAND)



PLAN NORTH SIDE PERIMETER WALL



PLAN - CORNER OF PERIMETER WALL



PLAN INTERIOR CONC. PIERS

Reductions for Embedment Length (GIP Section C.4.2):

A capacity reduction factor is not required for shear per GIP Section C.4.2.

$L_{actual} := 21 \cdot in$ Embedment length

$D := 1 \cdot in$ Bolt diameter

$$RL_p := \frac{L_{actual} + 20 \cdot D}{62.5 \cdot D}$$

$RL_p = 0.656$ Pullout capacity reduction factor for cast-in-place J-bolt with 90^0 hook

Reductions for Edge Distance (GIP Section C.4.4 and C.3.4):

The east and west side perimeter walls have one bolt with 2.75" edge distance in the east or west directions. Since this is less than 4D, the bolt is assumed ineffective for E-W loading. The other bolt is fully effective for E-W loading since the edge distance in both directions is greater than 8.75". By inspection of the other details reductions are required for 7" and 5.75". All bolts are effective for N-S loading.

$E_1 := 7 \cdot in$ $E_2 := 5.75 \cdot in$

$D := 1.0 \cdot in$

$$RE_{s7_in} := 0.0131 \cdot \left(\frac{E_1}{D}\right)^2$$

$RE_{s7_in} = 0.64$ Shear capacity reduction factor for 7" edge distance.

$$RE_{s5.75_in} := 0.0131 \cdot \left(\frac{E_2}{D}\right)^2$$

$RE_{s5.75_in} = 0.43$ Shear capacity reduction factor for 5-3/4" edge distance.

The following values are obtained from GIP Table C.4-1 for 1" J-bolts in 3500 psi concrete:

$P_{nom_1} := 26.69 \cdot kip$ — Nominal tension capacity of 1" cast-in-place J-bolt with 90^0 hook.

$V_{nom_1} := 13.35 \cdot kip$ — Nominal shear capacity of 1" cast-in-place J-bolt with 90^0 hook.

$L_{min_1} := 54.5 \cdot in$ — Minimum embedment for 1" cast-in-place J-bolt.

$S_{min_1} := 3 \cdot in$ — Minimum spacing for 1" cast-in-place J-bolt.

$E_{min_1} := 8.75 \cdot in$ — Minimum edge distance for 1" cast-in-place J-bolt.

By inspection of the anchor bolt details, reductions are not required for spacing. Reductions are required for concrete strength and embedment for all of the bolts, and edge distance for some of the bolts.

Reductions for Concrete Strength (GIP Section C.4.5):

$f_c := 3000 \cdot psi$

$$RF_p := \sqrt{\frac{f_c}{3500}}$$

$RF_p = 0.926$ — Pullout reduction factor for J-bolts for concrete strengt

$RF_s := RF_p$

$RF_s = 0.926$ — Shear reduction factor for J-bolts for concrete strength

$L := L_{actual}$

$r := \frac{2 \cdot L + D}{2}$

$r = 21.5\ in$

$A_{e_nom} := 0.96 \cdot \frac{\pi}{4} \cdot (2 \cdot L + D)^2$

$A_{e_nom} = 1394.11\ in^2$

$\alpha_1 := \frac{2 \cdot E_1}{2 \cdot L + D}$ $\qquad$ $\alpha_2 := \frac{2 \cdot E_2}{2 \cdot L + D}$

$\alpha_1 = 0.33$ $\qquad$ $\alpha_2 = 0.27$

$\theta_1 := 2 \cdot acos(\alpha_1)$ $\qquad$ $\theta_2 := 2 \cdot acos(\alpha_2)$

$\theta_1 = 2.48$ $\qquad$ $\theta_2 = 2.6$

$A_{e_red_7_in} := \pi \cdot r^2 - \frac{1}{2} \cdot \left(r^2 \cdot \theta_1 - 2 \cdot r \cdot E_1 \cdot \sin\left(\frac{\theta_1}{2}\right)\right)$

$A_{e_red_7_in} = 1021.69\ in^2$

$A_{e_red_5.75_in} := \pi \cdot r^2 - \frac{1}{2} \cdot \left(r^2 \cdot \theta_2 - 2 \cdot r \cdot E_2 \cdot \sin\left(\frac{\theta_2}{2}\right)\right)$

$A_{e_red_5.75_in} = 970.37\ in^2$

$RE_{p_7_in} := \frac{A_{e_red_7_in}}{A_{e_nom}}$ $\qquad$ $RE_{p_5.75_in} := \frac{A_{e_red_5.75_in}}{A_{e_nom}}$

$RE_{p_7_in} = 0.733$ Pullout capacity reduction factor for 7" edge distance.

$RE_{p_5.75_in} = 0.696$ Pullout capacity reduction factor for 5.75" edge distance.

Shear Allowables:

Determine shear allowable for the east and west side perimeter wall connections. A reduction is required for concrete strength. This connection is assumed to have one bolt fully effective in the east west direction, and two bolts fully effective in the north south direction:

$$V_{allow_EW_walls_EW_direction} := V_{nom_1} \cdot RF_s \cdot 1 \cdot bolt$$

$$V_{allow_EW_walls_EW_direction} = 12360\,lb$$

$$V_{allow_EW_walls_NS_direction} := V_{nom_1} \cdot RF_s \cdot 2 \cdot bolt$$

$$V_{allow_EW_walls_NS_direction} = 24719\,lb$$

Determine shear allowable for north side perimeter wall connections. Reductions are required for concrete strength and edge distance. Each bolt has a reduction for 7" edge distance:

$$V_{allow_north_wall} := V_{nom_1} \cdot RF_s \cdot 2 \cdot bolt \cdot RE_{s7_in}$$

$$V_{allow_north_wall} = 15867\,lb$$

Determine shear allowable for perimeter wall corner connections. No reductions are required for edge distance. A reduction is required for concrete strength:

$$V_{allow_corner_wall} := V_{nom_1} \cdot RF_s \cdot 2 \cdot bolt$$

$$V_{allow_corner_wall} = 24719\,lb$$

Determine shear allowable for interior column pier connections. Reductions are required for concrete strength and edge distance. Each bolt has a reduction for 5.75" edge distance:

$$V_{allow_piers} := V_{nom_1} \cdot RF_s \cdot 2 \cdot bolt \cdot RE_{s5.75_in}$$

$$V_{allow_piers} = 10706\,lb$$

Pullout Allowables:

Determine pullout allowable for the east and west side perimeter wall connections. This connection is assumed to have only one bolt fully effective in tension since the other bolt has less than 4D edge distance. Reductions are required for concrete strength and embedment length:

$$P_{allow_EW_walls} := P_{nom_1} \cdot RF_p \cdot RL_p \cdot 1bolt$$

$$P_{allow_EW_walls} = 16210\,lb$$

Determine pullout allowable for north side perimeter wall connections. Reductions are required for concrete strength, embedment length and edge distance. Each bolt has a reduction for 7" edge distance:

$$P_{allow_north_wall} := P_{nom_1} \cdot RF_p \cdot RL_p \cdot RE_{p_7_in} \cdot 2 \cdot bolt$$

$$P_{allow_north_wall} = 23759\,lb$$

Determine pullout allowable for perimeter wall corner connections. Reductions are required for concrete strength and embedment length. No reductions are required for edge distance:

$$P_{allow_corner_wall} := P_{nom_1} \cdot RF_p \cdot RL_p \cdot 2 \cdot bolt$$

$$P_{allow_corner_wall} = 32420\,lb$$

Determine pullout allowable for interior column pier connections. Reductions are required for concrete strength, embedment length and edge distance. Each bolt has a reduction for 5.75" edge distance:

$$P_{allow_piers} := P_{nom_1} \cdot RF_p \cdot RL_p \cdot RE_{p_5.75_in} \cdot 2 \cdot bolt$$

$$P_{allow_piers} = 22566\,lb$$

Determine Allowables for Bent B Connections Anchored with Hilti Bolts:

From review of References 7.11, 7.12, and page 37 of Reference 12, two of the Bent B columns with bracing are specified to be anchored with two 1" dia. Hilti Kwik Bolts with 4.5" minimum embedment. The shear allowable for this type of connection is calculated in Ref. 12 to be as follows:

$$V_{allow_Hilti} := 13000 \cdot lb$$

The pullout capacity is not calculated in Ref. 12 because there is no net tension on these columns.

Summary of Base Anchorage Allowable Loads (per Connection)

Allowable Shear (per Connection):

$V_{allow_EW_walls_EW_direction} = 12360\,lb$

$V_{allow_EW_walls_NS_direction} = 24719\,lb$

$V_{allow_north_wall} = 15867\,lb$

$V_{allow_corner_wall} = 24719\,lb$

$V_{allow_piers} = 10706\,lb$

$V_{allow_Hilti} = 13000\,lb$

Allowable Pullout (per Connection):

$P_{allow_EW_walls} = 16210\,lb$

$P_{allow_north_wall} = 23759\,lb$

$P_{allow_corner_wall} = 32420\,lb$

$P_{allow_piers} = 22566\,lb$

Determine Minimum Allowable Load per Connection:

$V_{allow_min} := V_{allow_piers}$

$V_{allow_min} = 10706\,lb$

$P_{allow_min} := P_{allow_EW_walls}$

$P_{allow_min} = 16210\,lb$

Compare Reactions with Allowables:

From review of the "Reaction Summary" sheets in Attachment D, the maximum shear load is from Bent C and is 12,573 lbs in the N-S direction, and the maximum net uplift load is from Bent B. The second highest shear load is from Bent B = 8,390 lbs.

$V_{applied_max_NS} := 12573 \cdot lb$	<	$V_{allow_EW_walls_NS_direction} = 24719\,lb$	OK
$V_{applied_max_other} := 8390 \cdot lb$	<	$V_{allow_min} = 10706\,lb$	OK
$P_applied_max := 6156 \cdot lb$	<	$P_{allow_min} = 16210\,lb$	OK

Conclusion: All base anchorage connections are adequate using enveloping analysis.

6.4.2 Bracing Check for Tension Loads

The loading in the bracing is reversible, thus all braces are subjected to tension and compression parallel to the grain. The following pages checks the tension allowable loads and compares them with the compression allowable loads to show that tension does not govern.

Allowable Tension Load in the Bracing

Determine the allowable tension load in the major bracing members, and compare with the allowable compression load to determine which one governs. Adjustment factors are per the previous section.

$F_t := 641 \cdot psi$ — Allowable tension stress for Douglas Fir No. 1 from Table 114-A, Ref. 11, adjusted for dead load duration factor of 0.9.

$C_{D_dead} := 0.9$ — Load duration factor for dead load

$C_{D_seismic} := 1.6$ — Load duration factor for seismic load.

$C_M := 1.0$ — Wet service factor, tension parallel to grain.

$C_{t_top} := 0.925$ — Temperature correction factor at 115 ^{0} for top third of structure , tension parallel to grain.

$C_{t_middle} := 0.934$ — Temperature correction factor at 107.5 ^{0} for middle third of structure , tension parallel to grain.

$C_{t_bottom} := 0.945$ — Temperature correction factor at 100 ^{0} for bottom third of structure , tension parallel to grain.

$C_F := 1.5$ — Size adjustment factor for tension parallel to grain for bracing.

$$F_{t_adjusted_top_seismic} := \frac{F_t \cdot C_{D_seismic} \cdot C_M \cdot C_{t_top} \cdot C_F}{C_{D_dead}}$$

$$F_{t_adjusted_top_seismic} = 1581\,psi$$

$$F_{t_adjusted_middle_seismic} := \frac{F_t \cdot C_{D_seismic} \cdot C_M \cdot C_{t_middle} \cdot C_F}{C_{D_dead}}$$

$$F_{t_adjusted_middle_seismic} = 1597\,psi$$

$$F_{t_adjusted_bottom_seismic} := \frac{F_t \cdot C_{D_seismic} \cdot C_M \cdot C_{t_bottom} \cdot C_F}{C_{D_dead}}$$

$$F_{t_adjusted_bottom_seismic} = 1615\,psi$$

Determine the allowable load on each brace type. Connection bolts are 1/2" diameter based on Ref. 12, Sheet 22.

$$Dia_bolt := 0.5 \cdot in$$

$$A_net_4x4 := (3.5 \cdot in) \cdot (3.5 \cdot in) - (Dia_bolt) \cdot (3.5 \cdot in)$$

$$A_net_4x4 = 10.5\,in^2$$

Net area of 4 x 4 brace.

$$A_net_4x6 := (3.5 \cdot in) \cdot (4.5 \cdot in) - (Dia_bolt) \cdot (3.5 \cdot in)$$

$$A_net_4x6 = 14\,in^2$$

Net area of 4 x 6 brace, with 6" dimension in plane.

$$P_{t_seismic_capacity_4x4_top} := F_{t_adjusted_top_seismic} \cdot A_net_4x4$$

$$P_{t_seismic_capacity_4x4_top} = 16602\,lb$$

$$P_{t_seismic_capacity_4x4_middle} := F_{t_adjusted_middle_seismic} \cdot A_net_4x4$$

$$P_{t_seismic_capacity_4x4_middle} = 16763\,lb$$

$$P_{t_seismic_capacity_4x4_bottom} := F_{t_adjusted_bottom_seismic} \cdot A_net_4x4$$

$$P_{t_seismic_capacity_4x4_bottom} = 16961\,lb$$

$$P_{t_seismic_capacity_4x6_top} := F_{t_adjusted_top_seismic} \cdot A_net_4x6$$

$$P_{t_seismic_capacity_4x6_top} = 22136\,lb$$

$P_{t_seismic_capacity_4x6_middle} := F_{t_adjusted_middle_seismic} \cdot A_net_4x6$

$P_{t_seismic_capacity_4x6_middle} = 22351\,lb$

$P_{t_seismic_capacity_4x6_bottom} := F_{t_adjusted_bottom_seismic} \cdot A_net_4x6$

$P_{t_seismic_capacity_4x6_bottom} = 22614\,lb$

Summary of Allowable Seismic Load Capacity for Bracing - Tension Parallel to Grain

4x4 Braces:

$P_{t_seismic_capacity_4x4_top} = 16602\,lb$

$P_{t_seismic_capacity_4x4_middle} = 16763\,lb$

$P_{t_seismic_capacity_4x4_bottom} = 16961\,lb$

4x6 Braces:

$P_{t_seismic_capacity_4x6_top} = 22136\,lb$

$P_{t_seismic_capacity_4x6_middle} = 22351\,lb$

$P_{t_seismic_capacity_4x6_bottom} = 22614\,lb$

Summary of Allowable Seismic Load Capacity for Bracing - Compression Parallel to Grain:

From review of the "Seismic Allowable Compression Stresses and Loads" tables for the 4 x 4 and 4 x 6 braces ($K_e = 1.0$), the following values are taken for bracing with 5' lengths:

4x4 Braces:

$P_{C_seismic_capacity_4x4_top} := 14635 \cdot lb$

$P_{C_seismic_capacity_4x4_middle} := 15177 \cdot lb$

$P_{C_seismic_capacity_4x4_bottom} := 15679 \cdot lb$

4x6 Braces:

$P_{C_seismic_capacity_4x6_top} := 20009 \cdot lb$

$P_{C_seismic_capacity_4x6_middle} := 20642 \cdot lb$

$P_{C_seismic_capacity_4x6_bottom} := 21234 \cdot lb$

Compare Tension Capacity to Compression Capacity:

4x4 Braces:

$P_{t_seismic_capacity_4x4_top} = 16602\,lb \quad > \quad P_{C_seismic_capacity_4x4_top} = 14635\,lb$

$P_{t_seismic_capacity_4x4_middle} = 16763\,lb$ > $P_{C_seismic_capacity_4x4_middle} = 15177\,lb$

$P_{t_seismic_capacity_4x4_bottom} = 16961\,lb$ > $P_{C_seismic_capacity_4x4_bottom} = 15679\,lb$

4x6 Braces:

$P_{t_seismic_capacity_4x6_top} = 22136\,lb$ > $P_{C_seismic_capacity_4x6_top} = 20009\,lb$

$P_{t_seismic_capacity_4x6_middle} = 22351\,lb$ > $P_{C_seismic_capacity_4x6_middle} = 20642\,lb$

$P_{t_seismic_capacity_4x6_bottom} = 22614\,lb$ > $P_{C_seismic_capacity_4x6_bottom} = 21234\,lb$

Conclusion: Tension capacity exceeds compression capacity for all 4 x 4 and 4 x 6 braces that are 5' or more in length. All 4 x 4 and 4 x 6 braces are longer than 5' based on review of the computer models. Since compression capacity decreases as member lengths increase, and tension strength does not change with member length, tension will not govern for any of the braces.

Check Bracing in Main Bents of Cell No. CT2-2:

The structural members in the main bents for cell no. CT2-2 are the same as the members in the main bents for cell no. CT2-1 except the bottom bracing members in CT2-2 are 4 x 4 instead of 4 x 6 members (based on review of Reference 13 sheets 2A and 3). This applies to members 42, 88, 182, and 218 in the main bent model (see Attachment E). Check the 4 x 4 members in the main bents in cell no. CT2-2:

Loads on Members 42, 88, 182 and 218 from Attachment S sheet S32:

$Member_42_{seismic} := 7315 \cdot lb$ $\quad$ $Member_88_{seismic} := 7215 \cdot lb$

$Member_218_{seismic} := 7317 \cdot lb$ $\quad$ $Member_182_{seismic} := 7229 \cdot lb$

All members are 101" long from Attachment R sheets R17 and R18. Members 88 and 182 are in the middle third temperature range, and members 42 and 218 are in the bottom third temperature range. Allowable loads for members 42 and 218 are given on sheet 140, and allowable loads for members 88 and 182 are given on sheet 151:

$Allowable_{seismic_4x4_mid_101in} := 7244$

$Allowable_{seismic_4x4_bot_101in} := 7365$

Compare applied loads to allowables:

$Member_42_{seismic} = 7315\,lb \quad < \quad Allowable_{seismic_4x4_bot_101in} = 7365$

$Member_218_{seismic} = 7317\,lb \quad < \quad Allowable_{seismic_4x4_bot_101in} = 7365$

$Member_88_{seismic} = 7215\,lb \quad < \quad Allowable_{seismic_4x4_mid_101in} = 7244$

$Member_182_{seismic} = 7229\,lb \quad < \quad Allowable_{seismic_4x4_mid_101in} = 7244$

Conclusion: All members are adequate. Main bent for cell no. CT2-2 is adequate

Note: The secondary distribution piping is not on tower CT2-2, only CT2-1. The above check is conservative as the brace loads account for the secondary piping load of CT2-1.

6.4.3 Brace Connections

The type of brace end connections are identified in the following documents:

Main Bent – sheets 2A and 3 (55 and 56), Reference 12 –types #1019, 1021, 2001, 2007, 2008, 2010, 2017 and 2024

End Bent – sheet 4A (58), Reference 12 –types #1019, 1021, 2110, 2121 and 2117.

Partition Bent – sheet 6A (61), Reference 12 –types #1018, 1019, 1021, 2001, 2010, 2012, 2017, 2020, 2021 and 2024.

Bent A – sheet 7 (74), Reference 12 and sheet 7 Reference 13–types #1019, 1020, 1023, 2001, 2002, 2007, 2008, 2011, 2017, 2021 and 2024

Bent B –Reference 7.4 –types #1019, 1020, 1021, 1023, 2001, 2002, 2007, 2008, 2012, 2017, 2021, 2024, 2034 and 2236.

Bent C – sheets 9B and 19 (34), Reference 12 –The 4 x 4 braces have the following connection types: 2010, 2021, 2024, 2034, 2035 and 2236. Note that connection 2110 for the top 4 x 4 braces of the truss was removed and replaced with 2010 and 2236 per sheet 19 (34) of Ref. 12. The 4 x 6 braces have the following connection types # 1019, 1023, 2007, 2017, 2018, 2021,2024 and 2035.

The brace loads for the seismic load case are compared with the allowable loads on the following pages. Note that the governing connection is listed (i.e., the connection that has the lowest allowable capacity) for cases that have more than one connection part listed. This occurs for the connections at the base of the columns, and for the differences in the Main Bent connections between cells CT1-1 and CT1-2 (refer to sheets 2A (55) and 3 (56) of Reference 12).

The allowable brace joint loads are found on sheet 13 (24) of Reference 12. The loads given in Ref. 12 for Redwood are increased by 1/3 for Douglas Fir (per the heading at the top of sheet 13 (24) of Reference 12). The allowable loads are shown below. The allowable loads are increased by 1.33 for seismic per Reference 9:

Joint Type	Douglas Fir Allowable Load (lbs.)	Seismic Allowable Load (lbs.)
1018 (Use 1019)	11970	15920
1019	11970	15920
1020	16226	21581
1021	10161	13514
1023 (Use 1022)	16598	22076
2001	10108	13444
2002	10108	13444
2007	10108	13444
2008	6052	8048
2010	6052	8048
2011	8698	11569
2012	6052	8048
2013	8698	11569
2017	16226	21581
2018	16226	21581
2020	16226	21581
2021	16226	21581
2024	10108	13444
2034 (Use 2024)	10108	13444
2035 (Use 2021)	16226	21581
2101	7022	9340
2110	4203	5590
2117	10534	14010
2120	10534	14010
2121	10534	14010
2124	7022	9340
2236 (Use 2010)	6052	8048

FRAME	LOAD	Axial Load	Connection Type	Connection Type	Seismic Allow Load	Seismic Allow Load	Connection Adequate?
BENT A	FRAME ELEMENT FORCES						
14	HORIZ	4531	1020	2024	21581	21581	OK
20	HORIZ	1202	2011	2024	11569	11569	OK
39	HORIZ	4040	2001	2024	13444	13444	OK
43	HORIZ	1342	2024	2024	13444	13444	OK
64	HORIZ	3213	2001	2002	13444	13444	OK
66	HORIZ	2525	2002	2024	13444	13444	OK
88	HORIZ	2858	2001	2002	13444	13444	OK
90	HORIZ	2841	2002	2024	13444	13444	OK
111	HORIZ	3391	2001	2017	13444	13444	OK
115	HORIZ	2012	2024	2024	13444	13444	OK
134	HORIZ	2716	2017	2021	21581	21581	OK
140	HORIZ	2360	2013	2024	11569	11569	OK
157	HORIZ	2101	1019	2002	15920	15920	OK
159	HORIZ	1970	2002	2021	13444	13444	OK
166	HORIZ	2491	2013	2024	11569	11569	OK
182	HORIZ	2259	1019	2002	15920	15920	OK
184	HORIZ	2438	2002	2021	13444	13444	OK
190	HORIZ	2312	2024	2024	13444	13444	OK
209	HORIZ	2738	2017	2021	21581	21581	OK
213	HORIZ	2687	2001	2024	13444	13444	OK
234	HORIZ	2613	2002	2017	13444	13444	OK
236	HORIZ	2882	2001	2002	13444	13444	OK
258	HORIZ	2646	2002	2017	13444	13444	OK
260	HORIZ	2769	2001	2002	13444	13444	OK
281	HORIZ	2848	2017	2021	21581	21581	OK
285	HORIZ	2370	2001	2024	13444	13444	OK
304	HORIZ	2380	2001	2021	13444	13444	OK
310	HORIZ	1549	2008	2024	8048	8048	OK
327	HORIZ	2275	1019	2001	15920	15920	OK
335	HORIZ	1437	2008	2011	8048	8048	OK

FRAME	LOAD	Axial Load	Connection Type	Connection Type	Seismic Allow Load	Seismic Allow Load	Connection Adequate?
BENT B	FRAME ELEMENT FORCES						
20	HORIZ	11985	1020	2021	21581	21581	OK
28	HORIZ	4305	2024	2034	13444	13444	OK
31	HORIZ	1211	2236	2236	8048	8048	OK
57	HORIZ	8610	2017	2021	21581	21581	OK
65	HORIZ	5174	2001	2024	13444	13444	OK
67	HORIZ	1887	2024	2034	13444	13444	OK
89	HORIZ	6545	2007	2017	13444	13444	OK
92	HORIZ	6057	2001	2007	13444	13444	OK
101	HORIZ	5254	2002	2024	13444	13444	OK
106	HORIZ	4832	2001	2007	13444	13444	OK
109	HORIZ	7792	2002	2007	13444	13444	OK
133	HORIZ	5598	2001	2001	13444	13444	OK
136	HORIZ	5922	2001	2002	13444	13444	OK
139	HORIZ	6519	2002	2024	13444	13444	OK
165	HORIZ	5147	2001	2001	13444	13444	OK
168	HORIZ	7458	2001	2001	13444	13444	OK
175	HORIZ	5740	2024	2034	13444	13444	OK
198	HORIZ	3953	2001	2024	13444	13444	OK
201	HORIZ	6104	2001	2001	13444	13444	OK
214	HORIZ	1811	2012	2236	8048	8048	OK
235	HORIZ	4249	1021	2007	13514	13514	OK
236	HORIZ	4566	2007	2024	13444	13444	OK
238	HORIZ	5037	2001	2002	13444	13444	OK
250	HORIZ	3949	2012	2236	8048	8048	OK
252	HORIZ	4566	1019	2007	15920	15920	OK
253	HORIZ	4249	2002	2007	13444	13444	OK
272	HORIZ	4476	1019	2007	15920	15920	OK
273	HORIZ	3650	2002	2007	13444	13444	OK
275	HORIZ	4768	2002	2008	13444	13444	OK
285	HORIZ	6788	2024	2034	13444	13444	OK
289	HORIZ	3650	1019	2007	15920	15920	OK
290	HORIZ	4476	2001	2007	13444	13444	OK
310	HORIZ	3542	2001	2008	13444	13444	OK
313	HORIZ	5572	2001	2008	13444	13444	OK
323	HORIZ	6669	2001	2024	13444	13444	OK
349	HORIZ	4970	2001	2008	13444	13444	OK

FRAME	LOAD	Axial Load	Connection Type	Connection Type	Seismic Allow Load	Seismic Allow Load	Connection Adequate?
BENT B	FRAME ELEMENT FORCES						
352	HORIZ	5574	2001	2002	13444	13444	OK
355	HORIZ	6683	2001	2002	13444	13444	OK
380	HORIZ	4409	2001	2007	13444	13444	OK
382	HORIZ	6449	2002	2007	13444	13444	OK
389	HORIZ	6027	2001	2002	13444	13444	OK
396	HORIZ	5165	2001	2007	13444	13444	OK
398	HORIZ	5688	2001	2007	13444	13444	OK
420	HORIZ	5708	2001	2008	13444	13444	OK
425	HORIZ	4766	2001	2001	13444	13444	OK
428	HORIZ	5301	2001	2024	13444	13444	OK
452	HORIZ	4603	2001	2008	13444	13444	OK
464	HORIZ	5243	2001	2024	13444	13444	OK
466	HORIZ	2775	2024	2034	13444	13444	OK
488	HORIZ	4651	1021	2001	13514	13514	OK
499	HORIZ	4169	2024	2034	13444	13444	OK
502	HORIZ	1304	2236	2236	8048	8048	OK

FRAME	LOAD	Axial Load	Connection Type	Connection Type	Seismic Allow Load	Seismic Allow Load	Connection Adequate?
BENT C	FRAME ELEMENT FORCES						
12	HORIZ	9853	1019	2021	15920	15920	OK
22	HORIZ	4462	2236	2010	8048	8048	OK
36	HORIZ	10967	2021	2017	21581	21581	OK
45	HORIZ	10336	2035	2021	21581	21581	OK
62	HORIZ	11913	2017	2018	21581	21581	OK
65	HORIZ	11327	2021	2018	21581	21581	OK
82	HORIZ	10234	2018	2017	21581	21581	OK
83	HORIZ	6797	2035	2017	21581	21581	OK
87	HORIZ	8253	2017	2018	21581	21581	OK
95	HORIZ	6860	2017	2017	21581	21581	OK
96	HORIZ	10187	2017	2021	21581	21581	OK
109	HORIZ	8704	2017	2021	21581	21581	OK
112	HORIZ	9722	2017	2017	21581	21581	OK
117	HORIZ	9446	2021	2035	21581	21581	OK
131	HORIZ	8254	1019	2021	15920	15920	OK
133	HORIZ	10185	2017	2021	21581	21581	OK
144	HORIZ	3725	2236	2010	8048	8048	OK
157	HORIZ	8971	1023	2021	22076	22076	OK
178	HORIZ	9164	1023	2021	22076	22076	OK
200	HORIZ	8469	1023	2021	22076	22076	OK
203	HORIZ	10237	2017	2021	21581	21581	OK
214	HORIZ	3742	2236	2010	8048	8048	OK
227	HORIZ	8868	2017	2021	21581	21581	OK
230	HORIZ	11081	2017	2017	21581	21581	OK
235	HORIZ	8346	2024	2034	13444	13444	OK
249	HORIZ	8792	2017	2007	21581	21581	OK
250	HORIZ	9908	2007	2024	13444	13444	OK
254	HORIZ	7720	2017	2018	21581	21581	OK
262	HORIZ	9959	2007	2018	13444	13444	OK
263	HORIZ	8735	2007	2024	13444	13444	OK
277	HORIZ	11667	2017	2018	21581	21581	OK
280	HORIZ	9700	2018	2024	21581	21581	OK
283	HORIZ	4103	2024	2034	13444	13444	OK
299	HORIZ	11288	2017	2021	21581	21581	OK
308	HORIZ	8945	2024	2034	13444	13444	OK
322	HORIZ	9978	1019	2021	15920	15920	OK
332	HORIZ	4689	2010	2236	8048	8048	OK

FRAME	LOAD	Axial Load	Connection Type	Connection Type	Seismic Allow Load	Seismic Allow Load	Connection Adequate?
END BENT	F R A M E	E L E M E N T	F O R C E S				
44	HORIZ	5902	1019	2117	15920	15920	OK
84	HORIZ	5599	2117	2117	14010	14010	OK
105	HORIZ	5288	2117	2117	14010	14010	OK
108	HORIZ	1957	2110	2121	5590	5590	OK
119	HORIZ	4887	2117	2117	14010	14010	OK
120	HORIZ	4838	2117	2121	14010	14010	OK
127	HORIZ	4842	2117	2117	14010	14010	OK
128	HORIZ	4883	2117	2121	14010	14010	OK
138	HORIZ	5281	2117	2117	14010	14010	OK
141	HORIZ	1963	2110	2121	5590	5590	OK
159	HORIZ	5616	2117	2117	14010	14010	OK
192	HORIZ	5911	1019	2117	15920	15920	OK
MAIN BENT	F R A M E	E L E M E N T	F O R C E S				
42	HORIZ	7315	1019	2001	15920	15920	OK
88	HORIZ	7215	2001	2001	13444	13444	OK
114	HORIZ	7089	2001	2001	13444	13444	OK
117	HORIZ	2010	2010	2008	8048	8048	OK
130	HORIZ	6979	2001	2007	13444	13444	OK
131	HORIZ	6965	2007	2008	13444	13444	OK
140	HORIZ	6967	2001	2007	13444	13444	OK
141	HORIZ	6977	2007	2008	13444	13444	OK
155	HORIZ	7088	2001	2001	13444	13444	OK
158	HORIZ	2039	2010	2008	8048	8048	OK
182	HORIZ	7229	2001	2001	13444	13444	OK
218	HORIZ	7317	2001	1019	13444	13444	OK

FRAME	LOAD	Axial Load	Connection Type	Connection Type	Seismic Allow Load	Seismic Allow Load	Connection Adequate?
PARTITION BENT		F R A M E	E L E M E N T	F O R C E S			
30	HORIZ	7757	1018	2001	15920	15920	OK
60	HORIZ	1013	1019	2024	15920	15920	OK
66	HORIZ	7464	2001	2020	13444	13444	OK
70	HORIZ	1037	2010	2012	8048	8048	OK
83	HORIZ	1378	2001	2024	13444	13444	OK
87	HORIZ	1260	2001	2020	13444	13444	OK
89	HORIZ	8297	2017	2020	21581	21581	OK
92	HORIZ	2013	2012	2021	8048	8048	OK
102	HORIZ	1374	2007	2001	13444	13444	OK
103	HORIZ	1372	2007	2001	13444	13444	OK
104	HORIZ	7959	2017	2017	21581	21581	OK
105	HORIZ	7950	2017	2021	21581	21581	OK
114	HORIZ	1374	2001	2007	13444	13444	OK
115	HORIZ	1373	2001	2007	13444	13444	OK
116	HORIZ	7954	2017	2017	21581	21581	OK
117	HORIZ	7955	2017	2021	21581	21581	OK
127	HORIZ	1378	2001	2024	13444	13444	OK
131	HORIZ	1259	2001	2020	13444	13444	OK
133	HORIZ	8292	2017	2020	21581	21581	OK
136	HORIZ	2021	2021	2012	21581	21581	OK
148	HORIZ	1012	1019	2024	15920	15920	OK
154	HORIZ	7461	2001	2024	13444	13444	OK
158	HORIZ	1042	2010	2012	8048	8048	OK
178	HORIZ	7758	1018	2001	15920	15920	OK

6.4.4 Sloped Wall Member Check

Evaluate the sloped 4x4 members of the transverse bents by extracting the loads and comparing to the allowable loads, which were determined previously. The longest sloped wall member is the top one and it is approximately 92-inches long and is located in the top third of the structure. Conservatively use an 8-foot unbraced length and the allowable load for a 4x4 brace in the top third of the structure.

END Bent:

Max Horiz. seismic load =	168	lbs. for Member	226
Max. Vertical Seis. = 0.093 * DL =	218	lbs. for Member	226
Max DL =	2340	lbs. for Member	226

Combined Load = SRSS Seis + DL = 2615 lbs.

MAIN Bent:

Max Horiz. seismic load =	294	lbs. for Member	252
Max. Vertical Seis. = 0.093 * DL =	385	lbs. for Member	252
Max DL =	4144	lbs. for Member	252

Combined Load = SRSS Seis + DL = 4629 lbs.

PARTITION Bent:

Max Horiz. seismic load =	295	lbs. for Member	205
Max. Vertical Seis. = 0.093 * DL =	358	lbs. for Member	205
Max DL =	3854	lbs. for Member	205

Combined Load = SRSS Seis + DL = 4318 lbs.

From Section 6.3.4 above, find the following allowable axial compressive load for a 4x4 member, 96 inches long and located in the top third of the structure with ke = 1.0,

Allowable seismic axial load = 7778 lbs.

Allowable dead axial load = 5736 lbs.

All of the sloped wall members are adequate.

7. SUMMARY AND CONCLUSIONS

The cooling towers at Vermont Yankee are undergoing modifications for power uprate. These modifications consist of removing and replacing the existing fans and motors and adding new cable trays. Cells CT2-1 and CT2-2 of the west cooling tower are designated as Seismic Class 1 structures and require a seismic evaluation for the power uprate changes.

This calculation documents the response spectrum seismic analysis of the main structural framing members of modified cooling tower cells CT2-1 and CT2-2.

The evaluation consists of modeling the structural framing members as beam elements, determining the forces and masses distributed to the models, and evaluating the models for dead, snow/ice and seismic loadings. The tower is analyzed using three 2-D longitudinal models (Bents A, B and C), and three 2-D transverse models (Main, End and Partition).

The models are analyzed using the Vermont Yankee design basis earthquake from Appendix A of the UFSAR (Attachment C) as seismic input. Horizontal seismic input for this analysis is the maximum hypothetical earthquake (MHE) equal to two times the OBE (PGA of 0.14g). The vertical acceleration is equal to 0.093 or 2/3 of the rigid range horizontal ground spectrum. The models are analyzed using 5% damping.

The allowable loading for the wood structure is determined in accordance with the 1991 edition of the NDS (Reference 8) and the 1996 edition of the Cooling Tower Institute (CTI) Standard Specification for the Design of Cooling Towers With Douglas Fir Lumber (Reference 11).

The results of the analysis show that cooling tower cells CT2-1 and CT2-2 are seismically adequate for the applied loading conditions. All member interaction ratios are 1.0 or less, all connections have adequate capacity, and base anchorage is also adequate.

Attachment E shows the computer models and base reaction results. Computer output files in Attachments F through Q provide the analysis results including modal response and member forces for each model. Member forces for each bent are extracted from the computer output files and summarized in Attachment S. Member interaction ratios are calculated and summarized in Attachment S.

No assumptions require verification to validate the conclusions reached in this calculation.

8. REFERENCES

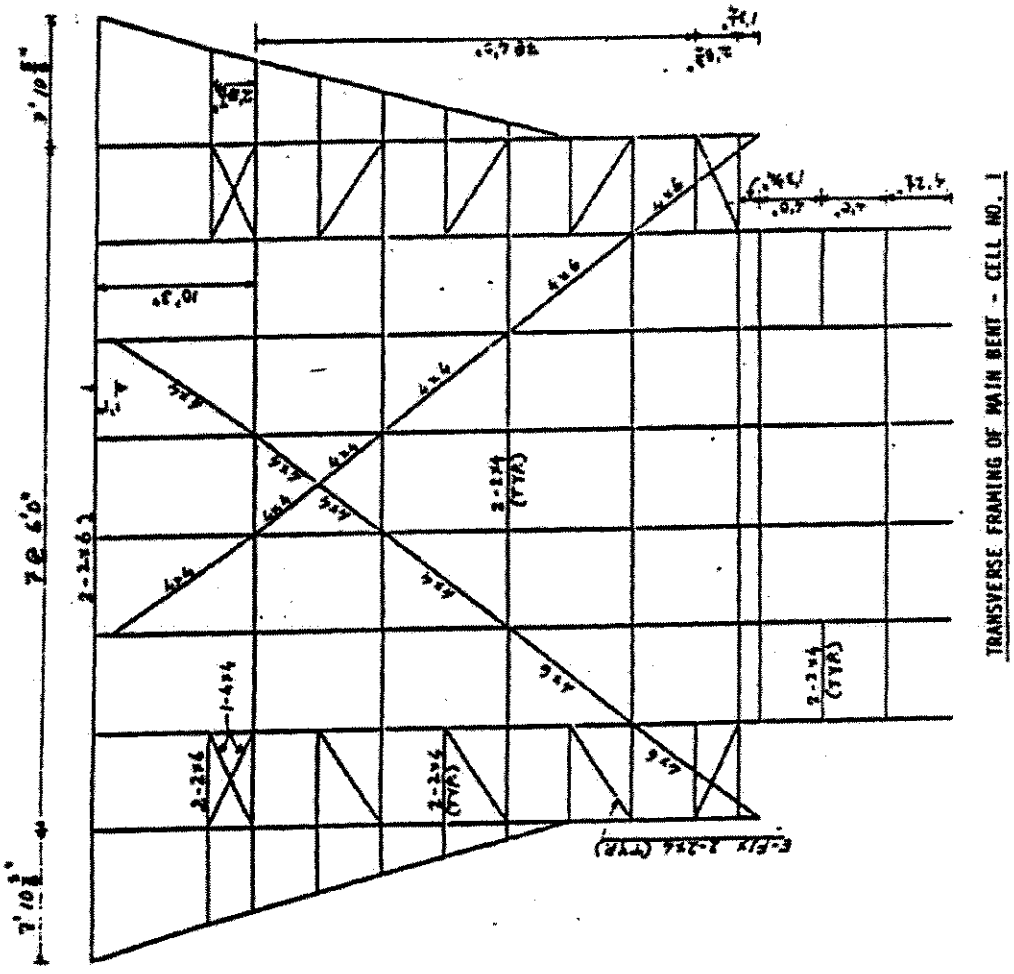
1. VY UFSAR, Updated as of 12-01-04.
2. Cooling Tower Institute, CTI Code Tower "Standard Specifications for the Design of Cooling Towers With Douglas Fir Lumber," CTI Bulletin STD-114, October 1978.
3. "Generic Implementation Procedure (GIP) for Seismic Verification of Nuclear Plant Equipment," Revision 3A corrected, Seismic Qualification Utility Group (SQUG), December 2001.
4. SAP2000, Non-Linear Version 7.40, Copyright 1984 – 2000, Computers and Structures, Inc., Berkeley, California.
5. ABS Consulting Nuclear Quality Assurance Manual (NQAM), Revision 7.
6. ABS Consulting, "NQA Procedure for Software Verification and Control", Procedure Number RCD-NQP-00-P03, Revision 1.
7. Reference Drawings:

Ref. No.	Drawing Author	Drawing Number	Rev	Drawing Title
7.1	Flour Products Company, Inc.	5920-3326	-	Plan & Elevation 1170-1-7710
7.2	Flour Products Company, Inc.	5920-6451 Sheet 3 of 5	-	Transverse Section Additional Framing
7.3	Custodis-Ecodyne	DR-11960I3 Sheet 1 of 2	B	Longitudinal Section Framing Bent "C" Cells 1 and 2
7.4	Custodis-Ecodyne	DR-11960I3 Sheet 2 of 2	B	Longitudinal Section Framing Bent "B" Cells 1 and 2
7.5	Flour Products Company, Inc.	5920-4600	R3	Secondary Distribution System @ Cell No. 1
7.6	Custodis-Ecodyne	5920-6840 Sheet 1 of 6	0	T-Bar Fill Inst'n 2 x 8 & 4 x 8 Config. Model 1170-1-7710
7.7	Custodis-Ecodyne	5920-6840 Sheet 2 of 6	0	T-Bar Fill Inst'n 2 x 8 & 4 x 8 Config. Model 1170-1-7710
7.8	Custodis-Ecodyne	5920-6840 Sheet 4 of 6	0	T-Bar Fill Inst'l Details and Notes
7.9	Custodis-Ecodyne	5920-6452 Sheet 2 of 9	0	Companion Post Installation Details

Ref. No.	Drawing Author	Drawing Number	Rev	Drawing Title
7.10	Ebasco	G-191731	2	Circulating Water Piping & Misc. Steel – Sh.2
7.11	Ebasco	G-200357	-	Cooling Tower No. 2 – Foundation - MAS
7.12	Flour Products Company, Inc.	5920-3324	-	Anchor Bolt Setting 1170-1-7710
7.13	Tower Performance, Inc	5920-13331	-	Plan View of Existing Fan Deck Layout
7.14	Tower Performance, Inc	5920-13330	-	Transverse Section 1-1
7.15	Entergy Nuclear VY	G-191374	13	Cooling Tower and Discharge Structure-Conduit, Grounding and Lighting Plan
7.16	Entergy Nuclear VY	G191230	31	Yard Piping Plan – Sheet 1
7.17	Entergy Nuclear VY	G191231	16	Yard Piping Plan – Sheet 2
7.18	Ebasco	AJ1230-1 through AJ1230-8	4-1970	Material Fabrication Sketches for System #22, Service Water Yard Piping

8. ANSI/NFPA NDS-1991, "National Design Specification for Wood Construction," with NDS Supplement "Design Values for Wood Construction," 1991.
9. AISC Manual of Steel Construction, 9th Edition
10. ABS Calculation SAP2000-QA-001, "SAP2000 Version 7.4 Computer Program QA Verification," Revision 0, November 1, 2004.
11. Cooling Tower Institute, CTI Code Tower "Standard Specifications for the Design of Cooling Towers With Douglas Fir Lumber," CTI Bulletin STD-114, Revision dated November 1996.
12. Custodis-Ecodyne Maintenance Services Division, "Vermont Yankee Nuclear Power Corporation, Job No. 57A-11960-H, Calculations of Assessment and Modification," dated January 1986.
13. Vermont Yankee Document 5920-4571 R0, "Cooling Tower CT-2-1A Design Data 28 Sheets'", dated 11-25-1969. Job No. E70-11960, Prop. No. NY-CT-7110.3, by Fluor Products Company, Inc.

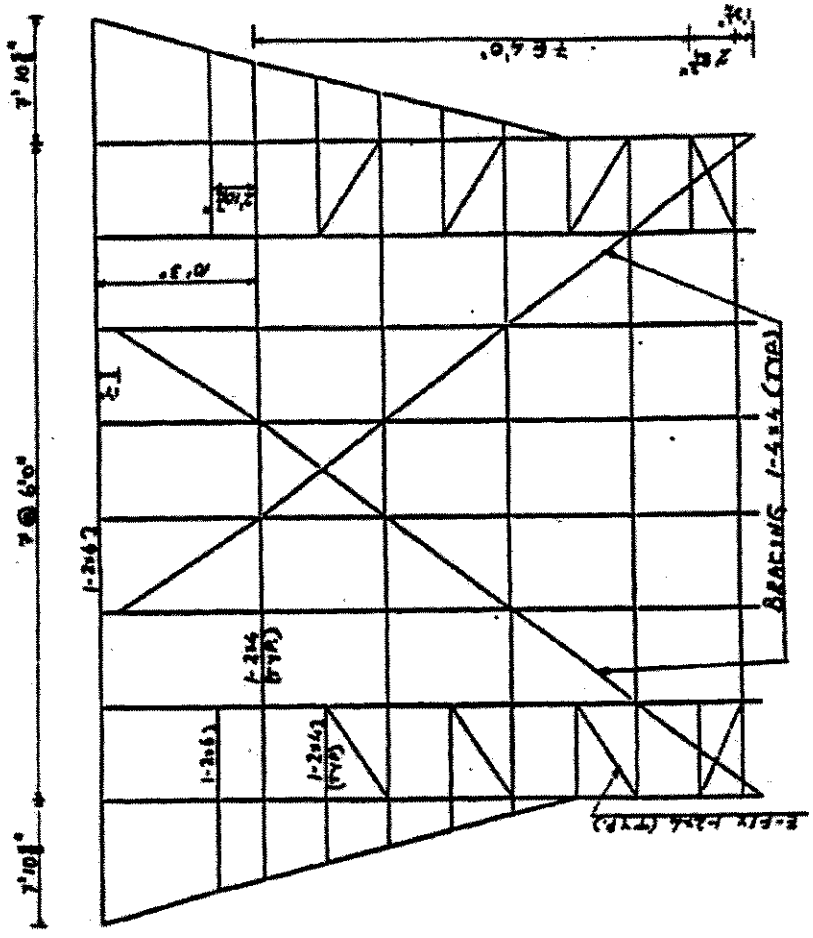
14. Engineering Decision Analysis Company, Inc. (EDAC), EDAC-388-020.02, "Dynamic Seismic Analysis of the Custodis-Ecodyne Cooling Tower at the Vermont Yankee Nuclear Power Station (Cooling Tower N0. E70-11960)," April 7, 1986.
15. VY PDCR 86-02, "Cooling Tower Seismic Modification," May 1986.
16. VY UFSAR Figures A.7-1 through A.7-14, Revision 5.
17. Ebasco Specification 54-63, "Mechanical-Draft Cooling Tower," Revision 1, April23, 1969.
18. American Plywood Association, "Plywood Design Specification," August 1986.
19. US Army Corps of Engineers Standard ETL 1110-2-548, "Composite Materials for Civil Engineering and Design," March 31, 1997.
20. Entergy Calculation VYC-2377, "Raceway Supports for Cooling Tower Improvements," Revision 1.
21. NDS, "National Design Specification for Wood Construction Commentary," American Forest & Paper Association, 1997 Edition, with Addendum to the 1991 Commentary.
22. NUREG/CR-0098, "Development of Criteria for Seismic Review of Selected Nuclear Power Plants," N. M. Newmark Consulting Engineering Services for the U.S. Nuclear Regulatory Commission, May 1978.
23. USNRC, NUREG-0800, Standard Review Plan, Section 3.8.4, "Other Seismic Category I Structures," Revision 1, July 1981.
24. Bergen-Paterson Pipe Supports Catalog No. 82R
25. Entergy Nuclear Operations Contract Order No. 4500533976, September 8, 2004.
26. American Concrete Institute (ACI), "Code Requirements for Nuclear Safety Related Concrete Structures," ACI-349-90, March 1990.
27. E-mail correspondence from Jim Fitzpatrick of Entergy Nuclear VY to Jim White of ABS Consulting, Subject: "Fiberglass Density Verification," March 22, 2005, 1:44 P.M.



VERMONT YANKEE
NUCLEAR POWER STATION
FINAL SAFETY ANALYSIS REPORT

Transverse Framing of
Main Bent Cell No. 1
FIGURE A.7-2

REV 5

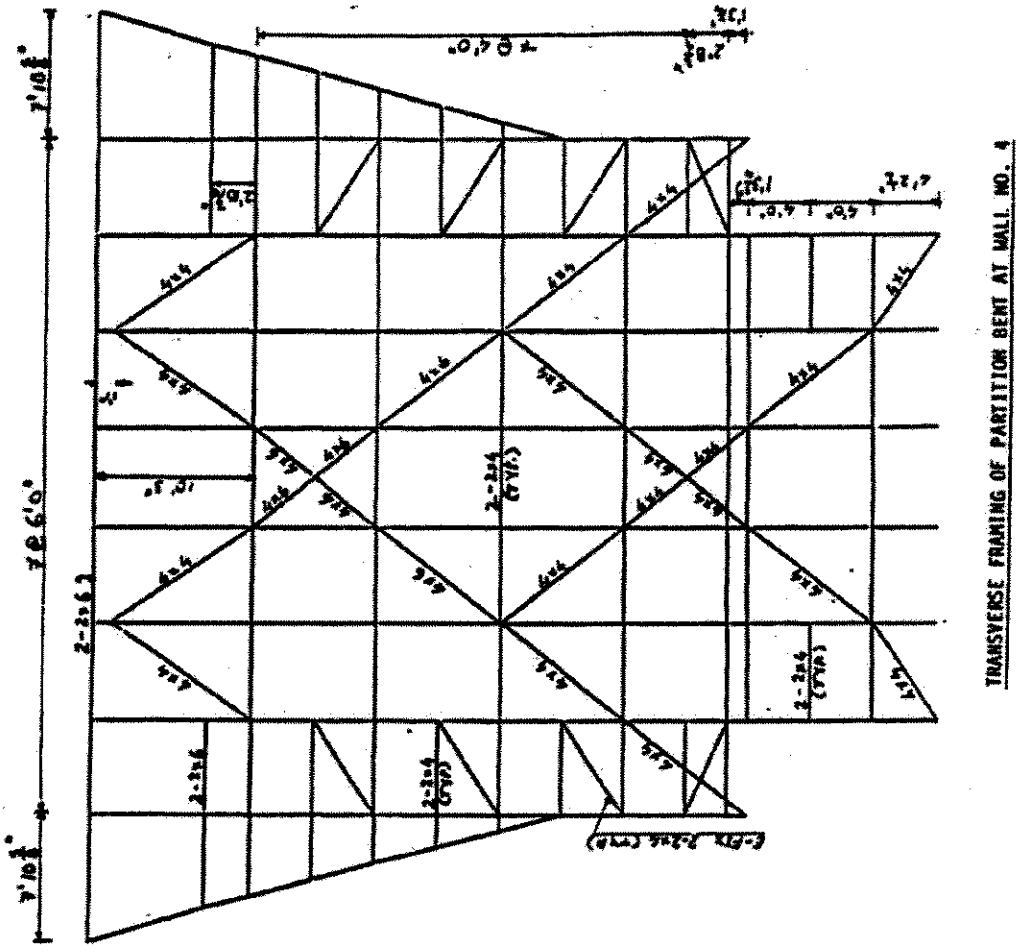


TRANSVERSE FRAMING OF END BENT AT WALL NO. 3

VERMONT YANKEE
NUCLEAR POWER STATION
FINAL SAFETY ANALYSIS REPORT

Transverse Framing of End
Bent at Wall No. 3
FIGURE A.7-4

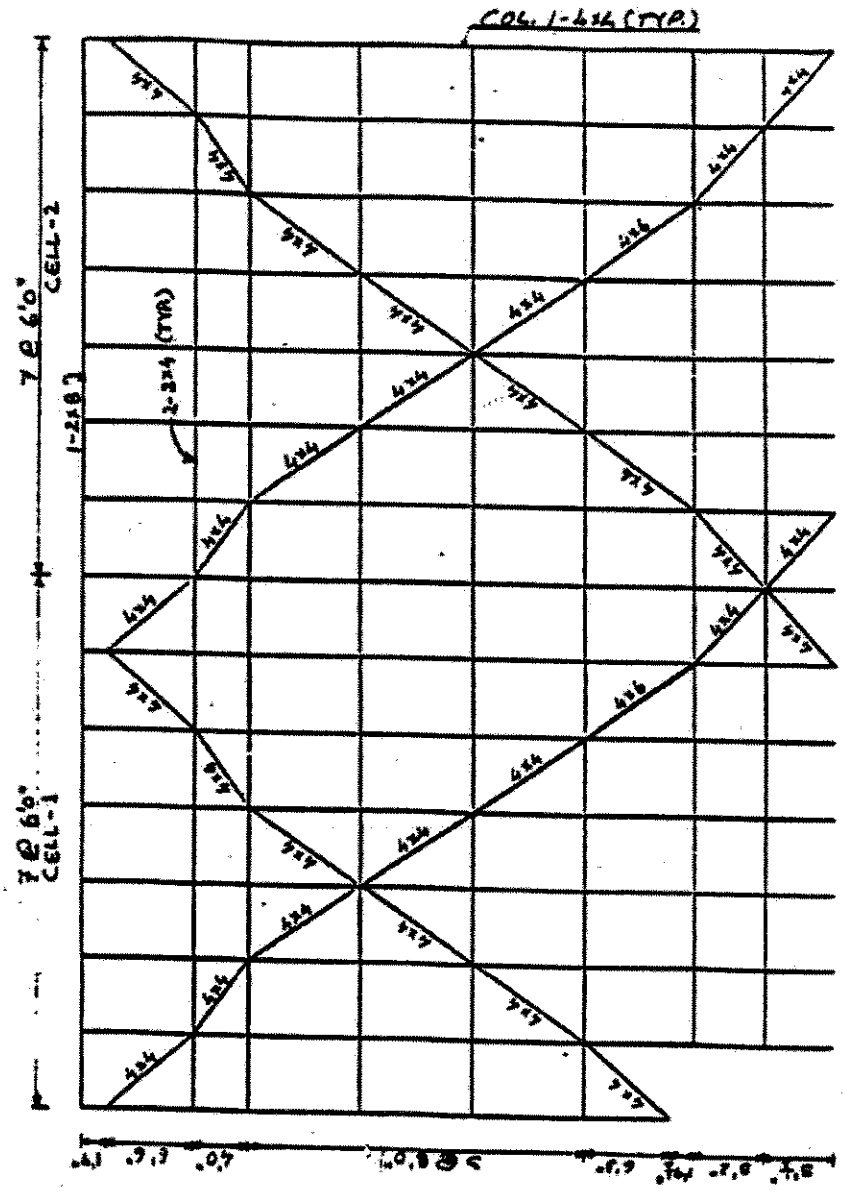
REV 5



VERMONT YANKEE
NUCLEAR POWER STATION
FINAL SAFETY ANALYSIS REPORT

Transverse Framing of Partition
Bent at Wall No. 4
FIGURE A.7-6

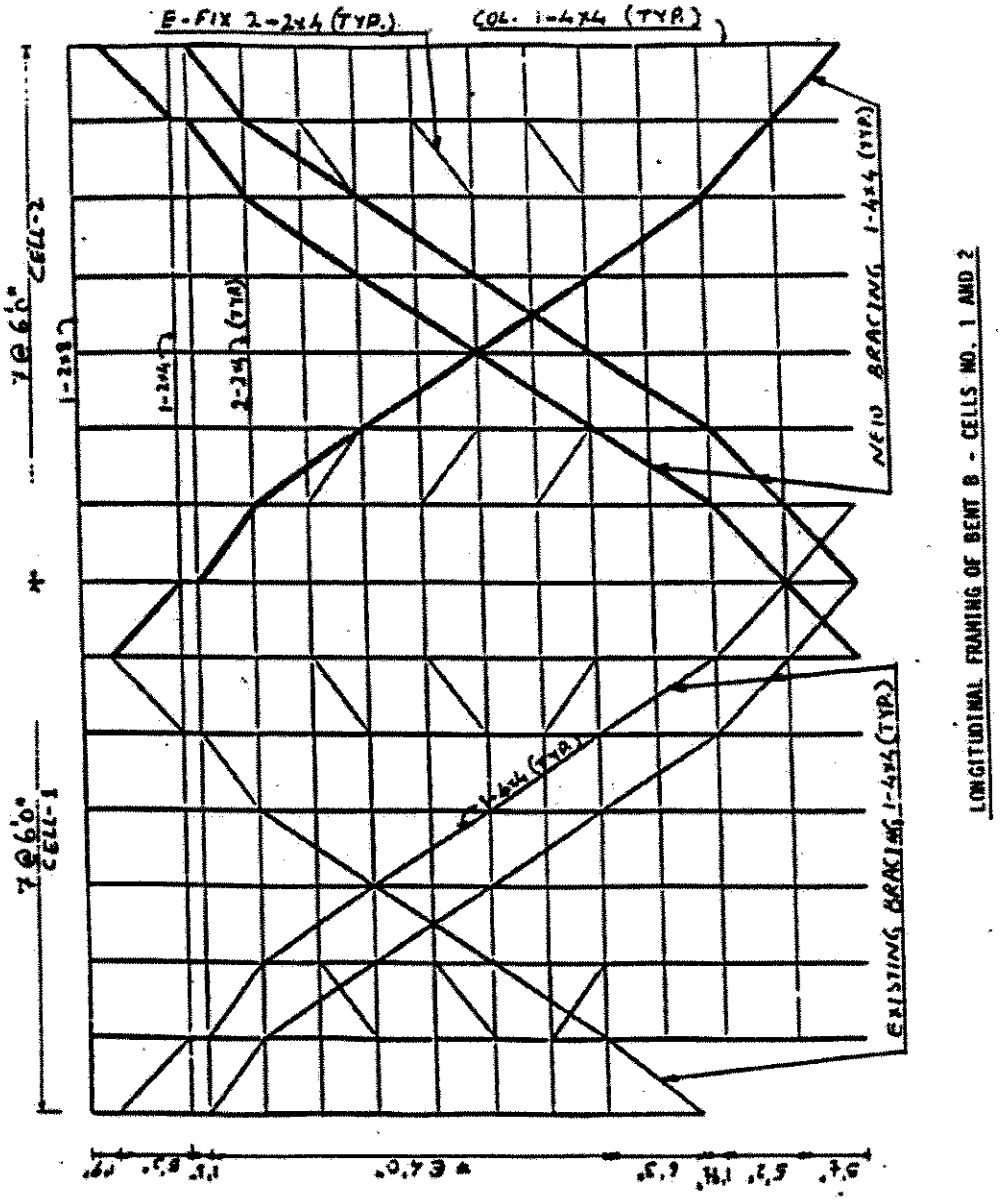
REV 5



VERMONT YANKEE
NUCLEAR POWER STATION
FINAL SAFETY ANALYSIS REPORT

Longitudinal Framing of Bent
A-Cells No. 1 and 2
FIGURE A.7-8

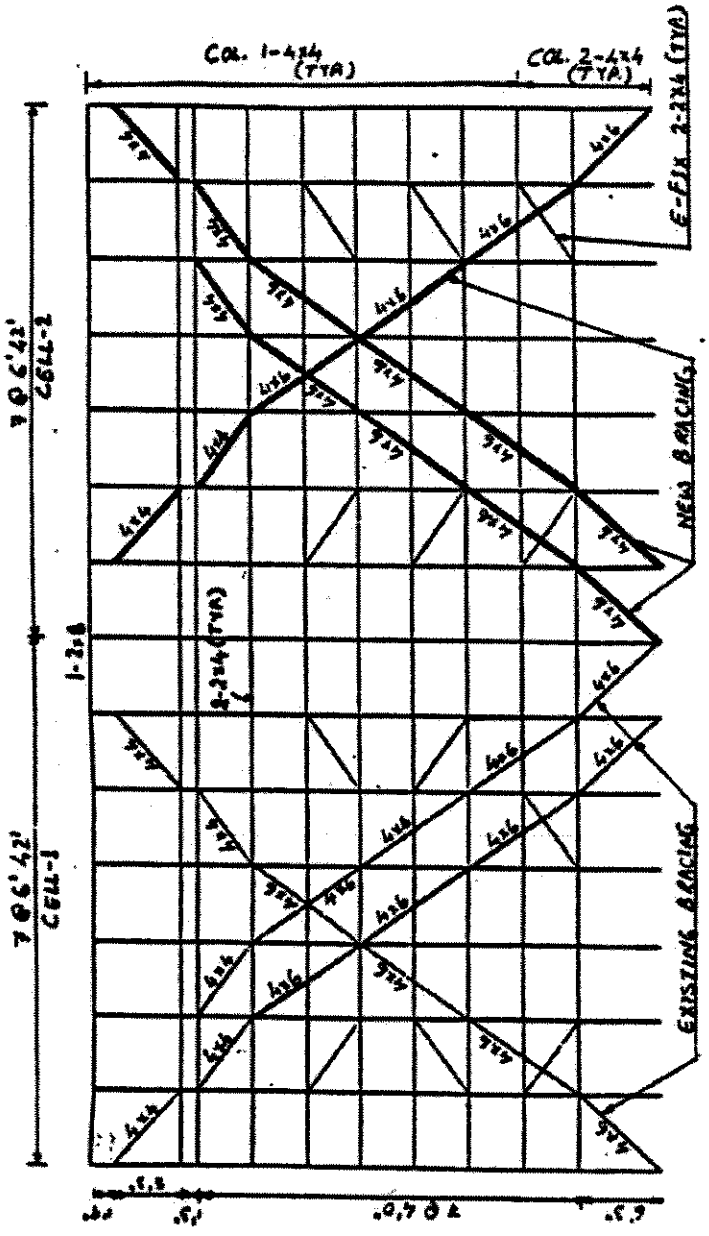
REV 5



VERMONT YANKEE
NUCLEAR POWER STATION
FINAL SAFETY ANALYSIS REPORT

Longitudinal Framing of Bent
B-Cells No. 1 and 2
FIGURE A.7-10

REV 5

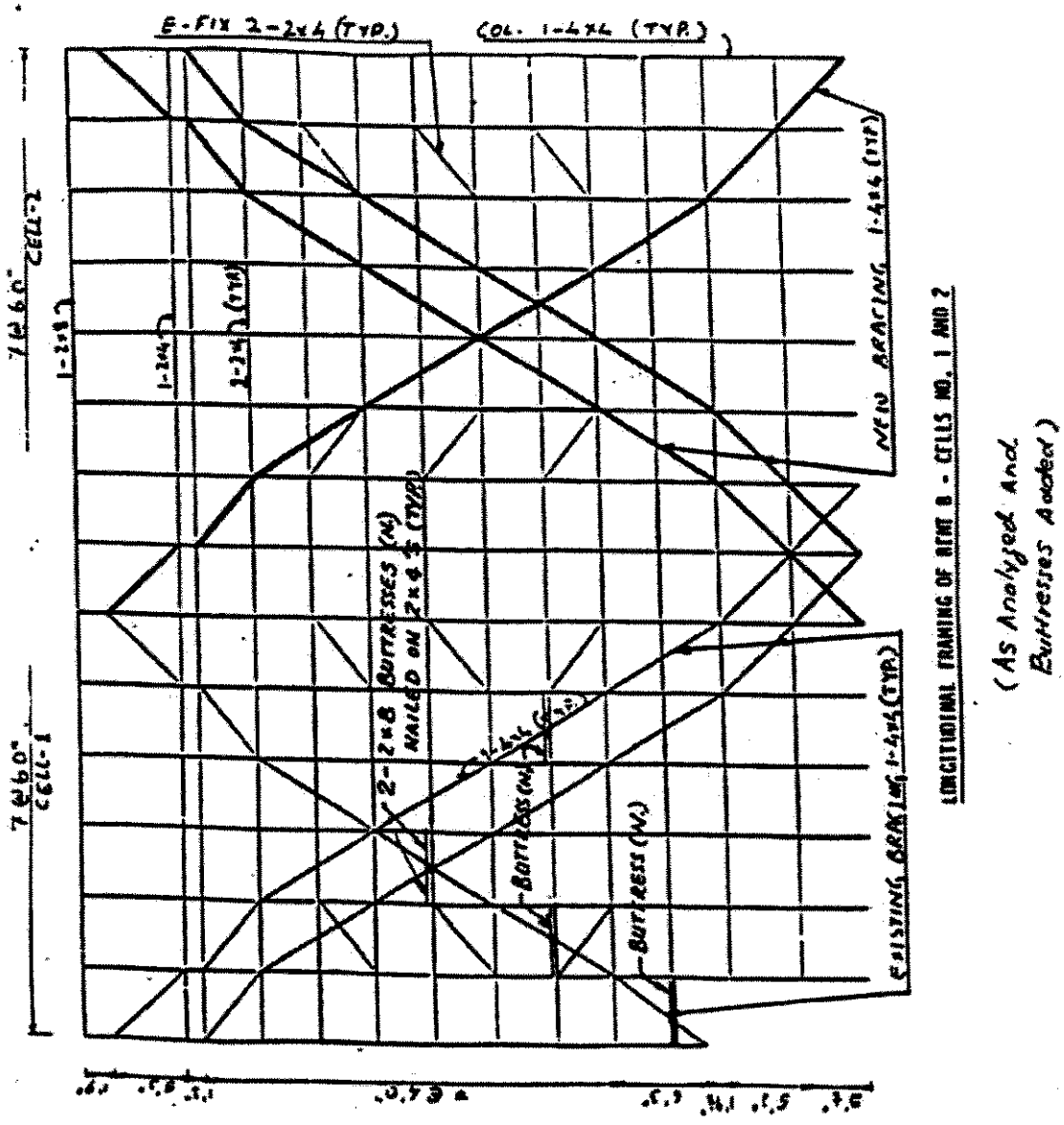


LONGITUDINAL FRAMING OF BENT C - CELLS NO. 1 AND 2

REV 5

VERMONT YANKEE
NUCLEAR POWER STATION
FINAL SAFETY ANALYSIS REPORT

Longitudinal Framing of Bent
C-Cells No. 1 and 2
FIGURE A.7-12



VERMONT YANKEE
NUCLEAR POWER STATION
FINAL SAFETY ANALYSIS REPORT

Longitudinal Framing of Bent
B-Cells No. 1 and 2
FIGURE A.7-14

REV. 5

MEMORANDUM

YANKEE ATOMIC - FRAMINGHAM

To R. P. Oliver
From P. A. Phelan, Jr.
Subject COOLING TOWERS CONSULTANT SERVICES

Date February 10, 1986
Group # VYM 33/86
W.O. # 4452
I.M.S. #

REFERENCES:

A) Memo PAP to SRM VYM 08/86 1-9-86 "Cooling Towers Analysis & Modification"
B) Telecon, EDAC/Yankee, January 30, 1986 (Attached)

DISCUSSION

On January 23, 1986 a meeting was held at the EDAC facilities in San Jose, California regarding the analysis they are performing on the cooling towers "Safety Class I Structure" portion only. Those attending were as follows:

Roland L. Sharpe - EDAC
Ma-Chi Chen - EDAC
Victorio S. Villafuerte - Ecodyne
Paul A. Phelan, Jr. - Yankee

The purpose of the meeting was to ascertain that EDAC had the proper information for the subject analysis. The meeting results are summarized below.

1) Dynamic analysis is to be performed on cells 1 & 2 of Tower #2 only.

2) 1% damping is too conservative. Can we increase it to 10%? (Subsequent information may negate any benefits from this approach see Ref. B)

3) The wetting system header (6" 0 pipe) runs through cells 1 & 2. It was agreed that its weight is negligible, but that it would be mentioned in the final report.

4) The E-Fix bracing, designed and installed by Ecodyne, is thus far the only structural modifications (for analytical purposes) performed on the cooling towers.

5) The proposed new "fill" is 8% heavier than the existing fill. The new fill weight will be used. Construction intends to replace the existing fill at a future date.

R. P. Oliver
from P. A. Phelan, Jr
Page 2

February 10, 1986
VYM 33/86

6) The modulus of elasticity for Douglas Fir in 1969 was 1.6 x 10^6 PSI. The current valve is 1.4 x 10^6 PSI arrived at by Ecodyne testing. The current valve will be used.

7) According to Ecodyne the connections throughout the cooling towers are designed to develop the full strength of the timbers.

8) The anchor bolt strength in the piers is based on embedment specified by Ecodyne. The specifics of the subject piers is under investigation. These piers were not designed by Ecodyne.

9) End bents and partition bents have no bracing. The sheathing in these cases supplies sufficient stiffness.

10) All connections are pinned. In VY's cooling towers, connections do not generate moment resisting capacity without large displacements.

11) A break away load between cells 2 & 3 is to be determined by EDAC and reviewed with Yankee.

12) The computer program to be used by EDAC is MSAP, a program of their own. EDAC will supply Yankee with a benchmark verification report.

13) 1978 & 1983 revisions to the CTI Code specifies effects of temperature and moisture on allowable stresses in wood. These values would reduce the allowables significantly. Ecodyne states that they and other cooling tower manufacturers still use the 1971 code which does not have these reductions. Due to structured inspection and maintenance requirements set up at VY, any actual effects from temperature, moisture or other environmental considerations are discovered and repaired or replaced at an early stage; therefore, EDAC will use the original values.

Does the AWS

If you have any questions, please call.

P. A. Phelan Jr

P. A. Phelan, Jr.
Mechanical Engineer
Vermont Yankee Project

PAP/mts

cc: S. R. Miller
W. D. Hinkle
J. K. Thayer
R. L. Smith
M. J. Cofske
W. Fields (VY Construction)

ECODYNE Ecodyne Cooling Products Division

InterofficeCorrespondence

To R. G. FOSTER
V. S. MUJUMDAR

From TOM CAPELL

CC: B. K. Herndon
J. C. Ovard
K. D. Whitehead

Date February 17, 1978

Reference

Customer

Subject CROSSFLOW FILL SECTION DESIGN WATER LOADING TEST REPORT

PURPOSE

To determine the Type 70 crossflow fill section structural design water loadings for various types of fill and fill spacing. This water loading consists of the weight of water on the fill section surfaces and water impingement forces.

PROCEDURE

A special fill section module (6 ft x 5 ft x 12 ft high) was erected in the large scale crossflow test facility. The module was a typical 70-5 design with bracing in one direction. The underslung fill hanger support system with 4 x 4 wire hanger spacing was used. Four commercial bathroom type scales (one under each 4 x 4 post) were used for weight measurements. Dry, operating, and wet (residual) weight measurements were taken.

A portion of the hot water basin nozzles were plugged to facilitate water loadings (Q/A - GPM/Ft^2) up to approximately 26 GPM/Ft^2. The Q/A was varied by throttling the pump. For each fill type and spacing, tests were run for three Q/A's - approximately 10, 17.5 and 24.5 GPM/Ft^2.

Figure 1 shows photographs of the test setup.

RESULTS

TBar, wedge, and wood fill were tested. Refer to Figure 2 for the test results. The results in general were very consistent. The test result design water loadings for 8 x 8 wedge fill are 0.16 Lbs/Ft^3 greater than that currently being used. The current design water loadings are based on 17.5 Q/A.

The amount of wet (residual) water loading was very small, varying from 0.04 to 0.13 Lbs/Ft^3.

Continued . . .

Revision I - 7/5/78

DESIGN CRITERIA FOR WOOD COOLING TOWERS
March 10, 1978

1. Gravity Loads (continued)

(c) 3/8" Thick Flat Cement Asbestos Board (C.A.B.) on Fandeck — Dry - 3.4 psf; Wet - 4.3 psf

(d) Manifold Pipe, Its Supports and Water in Pipe — See Appendix "A"

(e) Weight of Water in Hot Water Basin (8 3/4" Depth) — - 46 psf

Overflow Condition (Total Depth 10") — - 52 psf

(f) Weight of Water in Transit Including Weight of Fill and Supports (pcf of fill volume) based on a flow of 20 gpm/ft^2

Type of Fill PCF

(1) Wire Hangers and PVC Wedge Batts — Dry - 0.49 (8x8); 0.36 (8x12); Wet - 1.28 (8x8); 0.99 (8x12)

(2) Wire Hangers with Wood Fill 1 1/2" x 3/8" x 6'-0" — Dry - 0.35 (8x8); 0.59 (4x8); Wet - 1.04 (8x8); 1.28 (4x8)

(3) T-Bar w/ WIRE HANGERS — Dry - 1.0 (4x8); ~~0.6 (8x8)~~; Wet - 1.88 (4x8); 1.25 (8x8)

(g) Weight of One 3/8" Standard C.A.B. Louver Blade (6'-0") Including Its Supports — Dry - 86 lbs.; Wet - 112 lbs.

(h) Drift Eliminators (DE's) — Dry - 2.0 psf; Wet - 2.5 psf

(i) Partition Walls and End Walls

(1) End Wall 3/8" Corrugated C.A.B. — Dry - 4.0 psf; Wet - 5.0 psf

(2) Firewall With Two 1/2" C.A.B. Flats — Dry - 9.4 psf; Wet - 11.8 psf

CROSSFLOW FILL SECTION
DESIGN WATER LOADING
TEST REPORT

RECOMMENDATIONS

To simplify structural design loadings, it is recommended that the operating fill section design water loadings for Q/A = 17.5 be used for all Q/A's $\leq$ 17.5. Table 1 summarizes the design water loadings for this case. Figure 2 can be used for Q/A's $>$ 17.5 and as desired.

Although the test setup was for a Type 70 fill section, the results also apply accurately to the Type 78, 88 and 98 fill sections.

TABLE 1 OPERATING CROSSFLOW FILL SECTION DESIGN - WATER LOADING FOR Q/A = 17.5 GPM/FT^2

FILL	TBAR		WEDGE		WOOD
SPACING	4 x 8	8 x 8	8 x 8	12 x 8	4 x 8
DESIGN LOADING LBS/FT^3	0.82	0.61	0.73	0.58	0.65

Tom Capell

HTC/js

Attachments

"Fitzpatrick, Jim"
<jfitzpa@entergy.com>
10/20/2004 05:18 PM

To: <RAugustine@absconsulting.com>
cc:
Subject: FW: ENVY Design Loads

-----Original Message-----
From: Fitzpatrick, Jim
Sent: Wednesday, October 20, 2004 5:15 PM
To: 'RAugustine.@absconsulting.com'
Subject: FW: ENVY Design Loads

Rich,

Just got this.

Jim Fitz

-----Original Message-----
From: Yasi, Daniel [mailto:dan.yasi@shawgrp.com]
Sent: Wednesday, October 20, 2004 5:09 PM
To: Lawton, Brian; Fitzpatrick, Jim
Subject: FW: ENVY Design Loads

FYI, I will make up a comparison table to the spec fill-in datasheet and vendor information submitted on 101104

Dan

-----Original Message-----
From: Tony DePalma [mailto:tonydepalma@towerperformance.com]
Sent: Wed 10/20/2004 5:02 PM
To: Yasi, Daniel
Cc:
Subject: ENVY Design Loads

Dan
The following are the loads I gave to Mitch.

Fan 2,070lbs
Fan Thrust 1,575lbs
Gear Reducer 2,125lbs
Gear Adapting Steel 250lbs
Driveshaft 75lbs
Motor 2,000lbs
Motor Adapting Steel 125lbs

Anthony DePalma
President
Tower Performance, Inc.
tonydepalma@towerperformance.com
Phone 973-966-1116
Fax 973-966-5122

Vermont Yankee CT 2-1/2-1 Seismic Analysis
Structural Design Assumptions & Criteria

a. Design Codes:
   a. CTI Bulletin STD-114 (96), This is the current edition
   b. CTI Bulletin STD-119 (96), This is the current edition
   c. NDS 1991, Note: Although this is not the most current edition, this is the edition of NDS which is referenced in CTI STD-114 (96) Section 3.1.

   Note: the CTI Bulletin STD-1114 shall be used for the lumber design values as well as the moisture, temperature and duration factors. The NDS would be used for the design equations for the structural members (bending, axial, tension, connections etc.)

b. Design Loads
   a. Wind: N/A
   b. Seismic Loads: VY site ground response spectra from Appendix A of UFSAR.
   c. Design Temperatures for calculation of wood allowables.
      Plenum Area: 100.3F
      Fill Area - top third of tower: 115.F
      Fill Area - middle third of tower: 107.5F
      Fill Area – bottom third near deep basin: 100.F
   d. Moisture: saturated
   e. Deadweight & Operational Loads: from of existing & replacement equipment and water in the towers during operation:
      Fan 2,070lbs
      Fan Thrust 1,575lbs
      Gear Reducer 2,125lbs
      Gear Adapting Steel 250lbs
      Driveshaft 75lbs
      Motor 2,000lbs
      Motor Adapting Steel 125lbs
   f. Snow (Ice) Load (per Ebasco Specification specification 54-63)

c. It is assumed that all lumber is capable of supporting the full design capacities. (Based on the ongoing inspection and replacement regime in place at VY) Use allowables based on No. 1 Douglas Fir.

Joint Hardware Capacities from Page 24 of Ecodyne Job. No. 57A-11960-H
(read from VY Microfilm Roll 1811-Blip 0062 J.Fitzpatrick November 8,2004

By: JCFitzpatrick 11/8/04 Reviewed:

Joint No.	Load (Lbs.)	Joint No.	Load (Lbs.)	Joint No.	Load (Lbs.)
1019	9000.	2105	3160	2115	3270.
1020	12200.	2006	6540.	2016	4550.
1021	7640.	2106	3270.	2116	3160
1022	12480.	2007	7600.	2017	12200.
1027	2600.	2107	5280.	2117	7920.
1029	6630.	2008	4550.	2018	12200.
1030	8570.	2108	3160.	2118	7920.
1033	4550.	2009	4550.	2019	12200.
1042	2500. **	2109	3160.	2119	7920.
1047	2600.	2010	4550.	2020	12200.
1048	6630.	2110	3160.	2120	7920.
2001	7600.	2011	6540.	2021	12200.
2101	5280.	2111	3270.	2121	7920.
2002	7600.	2012	4550.	2022	12200.
2102	5280.	2112	3160.	2122	7920.
2003	4550.	2013	6540.	2023	12200.
2103	3160.	2113	3270.	2123	7920(5940)**
2004	6540.	2014	6540.	** 2024	7600.**
2104	3270.	2114	3270.	** 2124	5280.**
2005	4550.	2015	6540.		

** denotes hand written values on microfilm copy

DEPARTMENT OF THE ARMY
U.S. Army Corps of Engineers
Washington, DC 20314-1000

ETL 1110-2-548

CECW-ED

Technical Letter
No. 1110-2-548

31 March 1997

Engineering and Design
COMPOSITE MATERIALS FOR CIVIL ENGINEERING STRUCTURES

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Chapter 2
Reasons to Consider FRP Composites

2-1. General

There are many different reasons to consider using FRP composites in civil engineering applications. The most relevant of these reasons as applied to engineering are discussed below. The main criteria for engineers to use any material to satisfy the requirements of a job are durability, corrosion resistance, cost, weight, material properties, and ease of construction. FRP composites are attractive alternatives to conventional construction materials for these and several other compelling reasons, as follows.

2-2. Structural Considerations

The items presented in this section are a brief presentation of structural considerations. Many of the items are discussed in more detail in the latter sections of Appendix B.

a. Tensile strength. FRP composites provide a number of structural properties that make them an attractive alternative to many conventional engineering materials. Their tensile strength can range from about the strength of mild reinforcing steel to stronger than that of prestressing steels. As such, they offer good incentive for use in situations where high tensile strength is an asset. FRP composites generally exhibit linear tensile stress-strain behavior throughout their load-carrying range and as such do not change their modulus over their loading history. Since FRP composites are materials composed of structural fibers in a plastic matrix, the fibers can be custom-oriented to suit individual needs. A number of good examples of this unique capability are provided in Chapter 5.

b. Fatigue. Research to date indicates that FRP composites exhibit good fatigue resistance in tension-tension cycling (American Concrete Institute, State-of-the-Art Report on Fiber Reinforced Plastic (FRP) for Concrete Structures). Research has yet to document the effects of temperature, moisture, reverse loading, long-term and compression load cycling, and holes on fatigue resistance. Long-fiber composites generally retain a high proportion of their short-term strength after 10^7 cycles. Carbon-fiber composites exhibit the highest fatigue resistance, followed by aramid and then glass (Neale and Labossiere 1991).

c. Low mass. Excessive structural mass is often a reason to consider alternate materials which will provide high load-carrying capacity as well as low density. FRP composites have densities in the range of 1,200 to 2,600 kg/m^3 (75 to 162 lb/ft^3) which make them attractive alternatives to structural materials such as steel with a density around 7,850 kg/m^3 (490 lb/ft^3).

d. Specific strength. The specific strength of materials, defined as the yield strength divided by the density, is often used to make comparisons between materials on the basis of strength and mass. FRP composites, because of their high strength and their very low density, have specific strengths which are up to 60 times that of high strength steels. The high specific strengths associated with FRP composites are very useful in applications such as structural cladding panels, low-density framing materials, and vehicle components. Their low weight makes the assembly and disassembly of temporary structures much easier and less time-consuming than similar structures made of wood or steel. Cost of many of the FRP composites, although higher than conventional construction materials on a pound-per-pound basis, are competitive when the specific strength of the materials is taken into consideration. Final construction costs can even be lower than conventional materials if such factors as more efficient design, transportation costs, and lifting equipment costs are taken into account.

e. Vibration damping. The specific modulus of FRP composites, defined as the modulus of elasticity divided by the density, is also high and provides characteristics such as low vibration in situations where vibration may be a problem (Grace, Bagchi, and Kennedy 1991). Steel has a high density, high modulus, and low damping characteristics whereas composites have low densities, moderate moduli, and high damping characteristics. Use of composites in floors and bearing pads where damping of vibration is of concern can reduce these problems.

f. Repair using composites. Structural repairs of conventional materials using FRP composites can be advantageous from the standpoint of ease of installation and reduced maintenance costs. Conventional techniques for externally strengthening cracked concrete structures call for steel plates or bars to be installed across the crack to carry the structural loads no longer carried by the concrete. FRP plates can be structurally bonded across such cracks to replace the steel repair components. The low mass of these materials makes their handling more convenient, and their noncorrosive nature eliminates the need to protect them from rusting deterioration. Some of these techniques have been used in the European engineering community for over 20 years. Some repair applications using FRP composites are presented in Appendix B.

WWW.USACE.ARMY.MIL/INET/USACE-DOCS/ENG-TECH-LTRS/ETL1110-2-548/C-2.PDF

ENVY Design Engineering Verification/ Check of:

Cooling Tower Stack Fiberglass Density Assumption of 120 PCF

(DRAFT OF ABS Calculation No. 13567711-C-001)

BACKGROUND

Each cooling tower cell has a 14 ft tall (nominal) fiberglass shell in the approximate shape of a hyperbolic paraboloid around each fan. The fan stacks are constructed from 18 segments (20 degrees of horizontal arc) bolted together at the vertical ribs. 17 of the segments are identical, one segment has a removable lower section to allow access to the fan from the fan deck.

As part of the planning effort for resolving required clearances between the new fans and the existing fan stacks, construction needed to estimate the total weight of the fan stack to determine what capacity crane would be required to lift the stack in one piece. On February 22, 2005 one of the access sections from CT-1 was taken off the tower and brought to receipt inspection which has a calibrated scale. The weight of the assess section was recorded as 111.0 lbs. As-built dimensions were taken on the access section, these are shown on page 2.

From the dimension data on page 2, the volume of fiberglass in the access section was calculated using two approximate methods. Using the measured weight and the calculated volumes the average fiberglass density was calculated on pages 3 & 4.

RESULTS / CONCLUSIONS

The average calculated fiberglass density was ranged from 112.1 to 112.7 PCF. Using a 5% variation, the range is from 106.5 to 118.3 PCF.

The 120 PCF value used for fan stack fiberglass density in ABS Calculation No. 1356711-C-001 for cells CT-2-1 & CT-2-2 is reasonable and conservative for estimating the weight of the fan stacks.

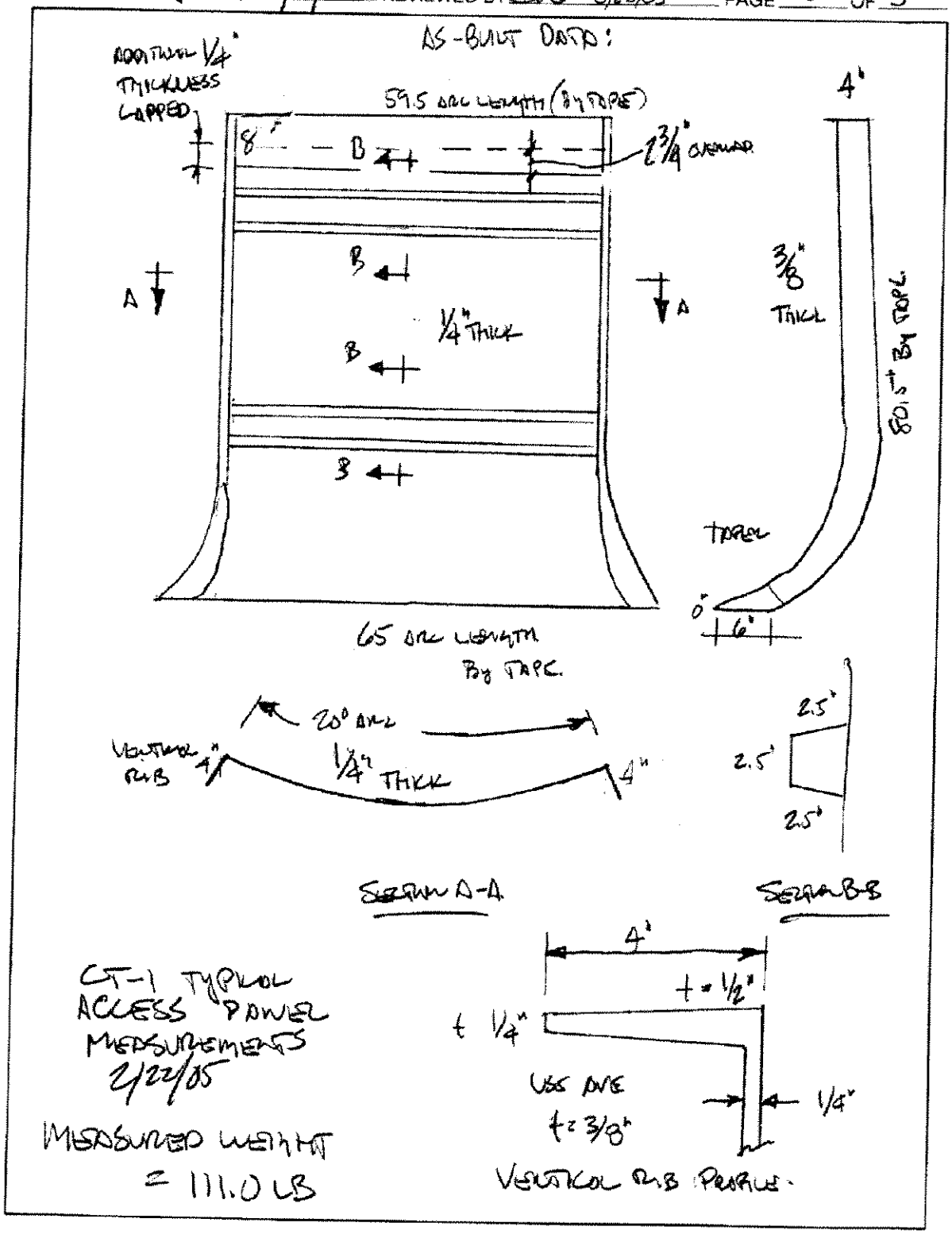
By: James C. Fitzpatrick Date. 3/21/05

Reviewed: Daivd F. Grimes Date. 3/22/05

ENGINEERING ORGANIZATION CALC. NO. N/A REV. — DATE 3/24/05

TITLE CT Pow Stack Fiber Glass Density Estimation

PREPARED BY JRH 2/22/05 REVIEWED BY DFG 3/22/05 PAGE 2 OF 5



ENGINEERING ORGANIZATION CALC. NO. N/A REV. DATE 3/21/05

TITLE CT. POW STACK FIBERGLASS DENSITY ESTIMATION

PREPARED BY JCRUZ 2/23/05 REVIEWED BY DFG 3/22/05 PAGE 3 OF 5

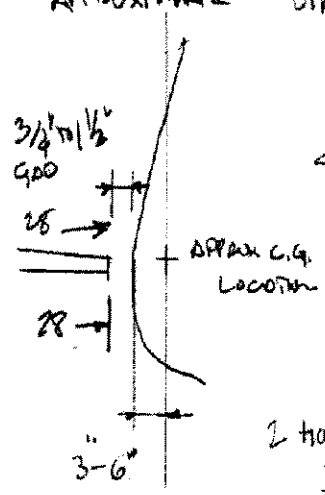
CALCULATE VOLUME OF FIBERGLASS ON ACCESS SEGMENT.

METHOD 1:

APPROXIMATE DIAMETER $28 + 2(1\tfrac{1}{2} + 3") = 28'-9"$

$28 + 2(1\tfrac{1}{2} + 6") = 29'-3"$

USE AVE 29 FT.



SHELL $l_{arc} = 80.5 + 2.75'$ OVERLAP $= 83.25'$

$$\text{VOLUME} = \pi(29.0\text{ ft})\left(\frac{83.25}{12}\right)\left(\frac{.25"}{12}\right)\frac{1}{18}$$

$$= .7315\text{ ft}^3$$

2 HORIZONTAL RIBS

2.5"
2.5"
2.5"
$l = 7.5'$

$$2\pi(29)\left(\frac{7.5}{12}\right)\left(\frac{.25}{12}\right)\frac{1}{18} = .132\text{ ft}^3$$

(DIA.)

2 VERTICAL RIBS $(2)\left(\frac{80.5 - 6/2}{12}\right)\left(\frac{3\tfrac{3}{4}"}{12}\right)\left(\frac{.375}{12}\right) = .126\text{ ft}^3$

(TOP CUT FOR TOPPER) (4" - 1/4) (THK.)

TOTAL VOLUME = .990 ft^3

METHOD 2: TOP ARC LENGTH = 59.5, BOTTOM = 65

SHELL $\tfrac{1}{4}"\left(\frac{59.5 + 65.0}{2}\right)80.5 = 1252.7\text{ in}^3$

HORIZONTAL RIBS $2(7.5 \times .25)(59.5') = 223.1\text{ in}^3$

VERTICAL RIBS $2(80.5)(3.75)(.375") = 226.4\text{ in}^3$

TOTAL = $1702.\text{ in}^3$

= 0.985 ft^3

ENGINEERING ORGANIZATION CALC. NO. N/A REV. — DATE 3/21/05

TITLE CT POWSTOCK FIBERGLASS DENSITY ESTIMATION

PREPARED BY JCRB 2/23/05 REVIEWED BY DFG 3/22/05 PAGE 4 OF 5

APPROXIMATE DENSITY FROM MEASURED WEIGHT & VOLUME CALCULATION

METHOD 1 $\gamma = \frac{WT.}{VOL} = \frac{111.0 LB}{.990 FT^3} = 112.1 LB/FT^3$

METHOD 2 $\gamma = \frac{111.0 LB}{.985 FT^3} = 112.7 LB/FT^3$

APPROXIMATE DENSITY RANGE ± 5%

$.95(112.1) \leftrightarrow 1.05(112.7)$

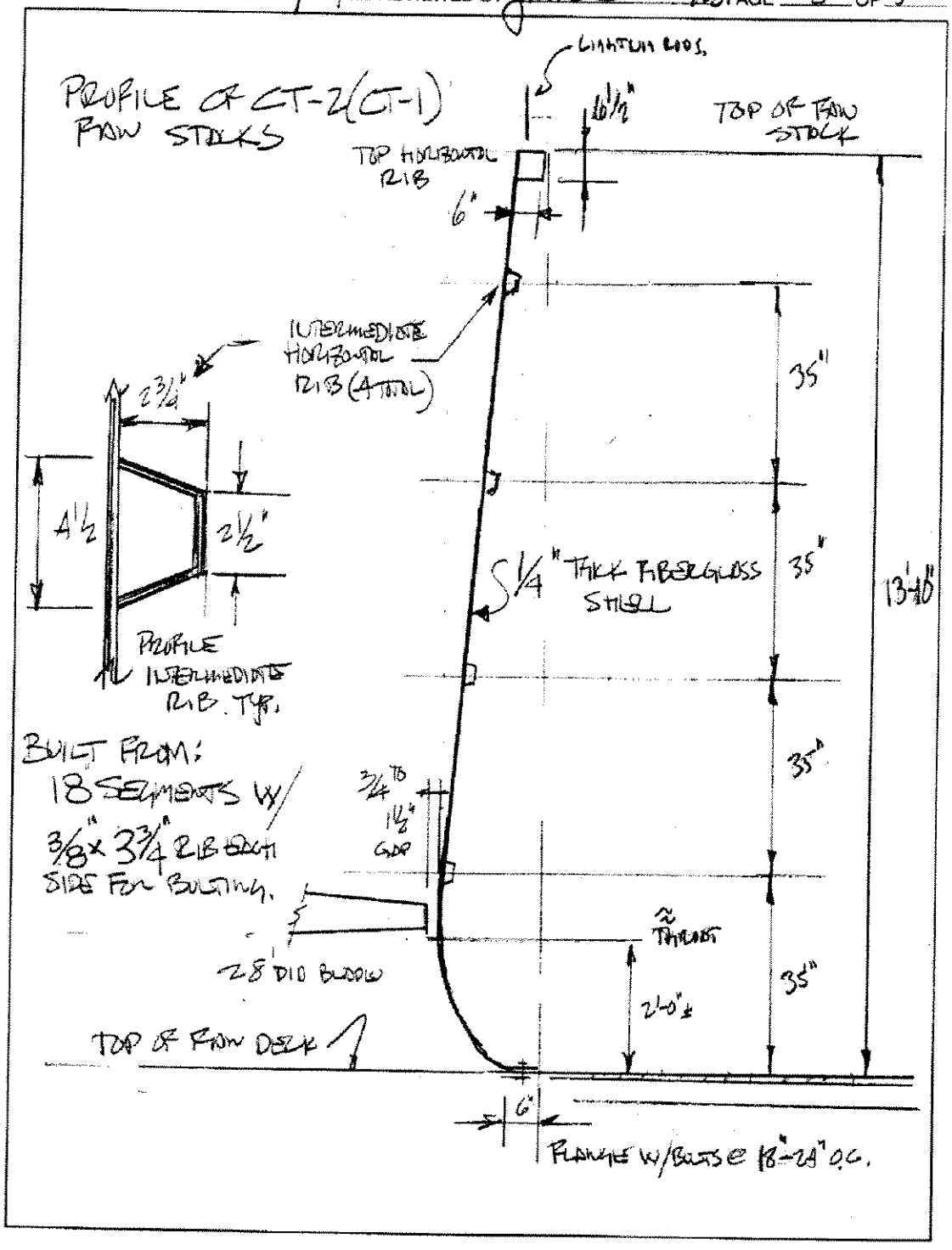
$106.5 \leftrightarrow 118.3 LB/FT^2$

USE OF $\gamma = 120 LB/FT^3$ FOR AVE FIBERGLASS DENSITY IS REASONABLE AND CONSERVATIVE BASED ON THIS MEASURED WEIGHT OF A TYPICAL ACCESS POWER.

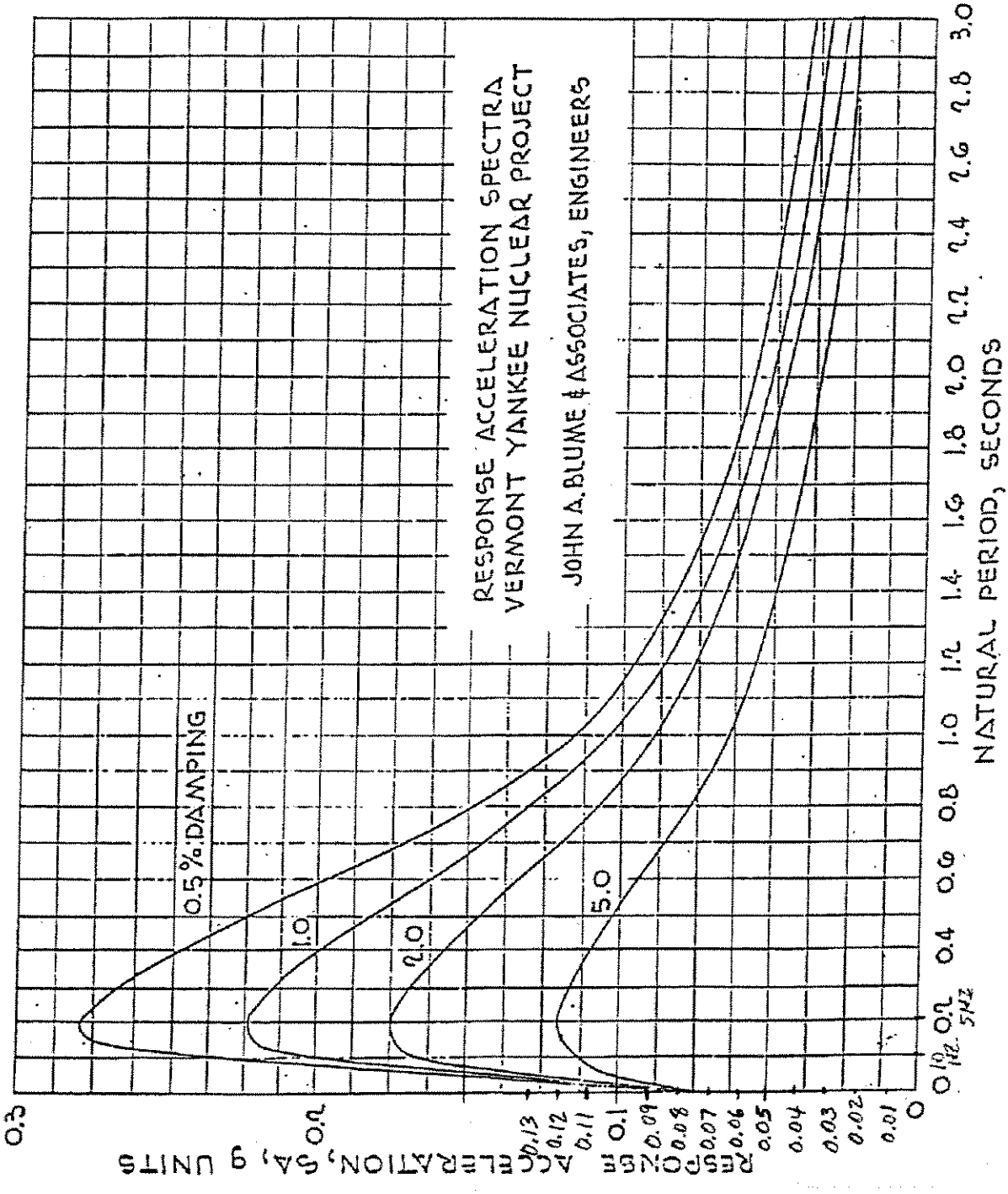
ENGINEERING ORGANIZATION CALC. NO. N/A REV. — DATE 3/21/05

TITLE FIELD DATA CT-2 (CT-1) FAN STACKS

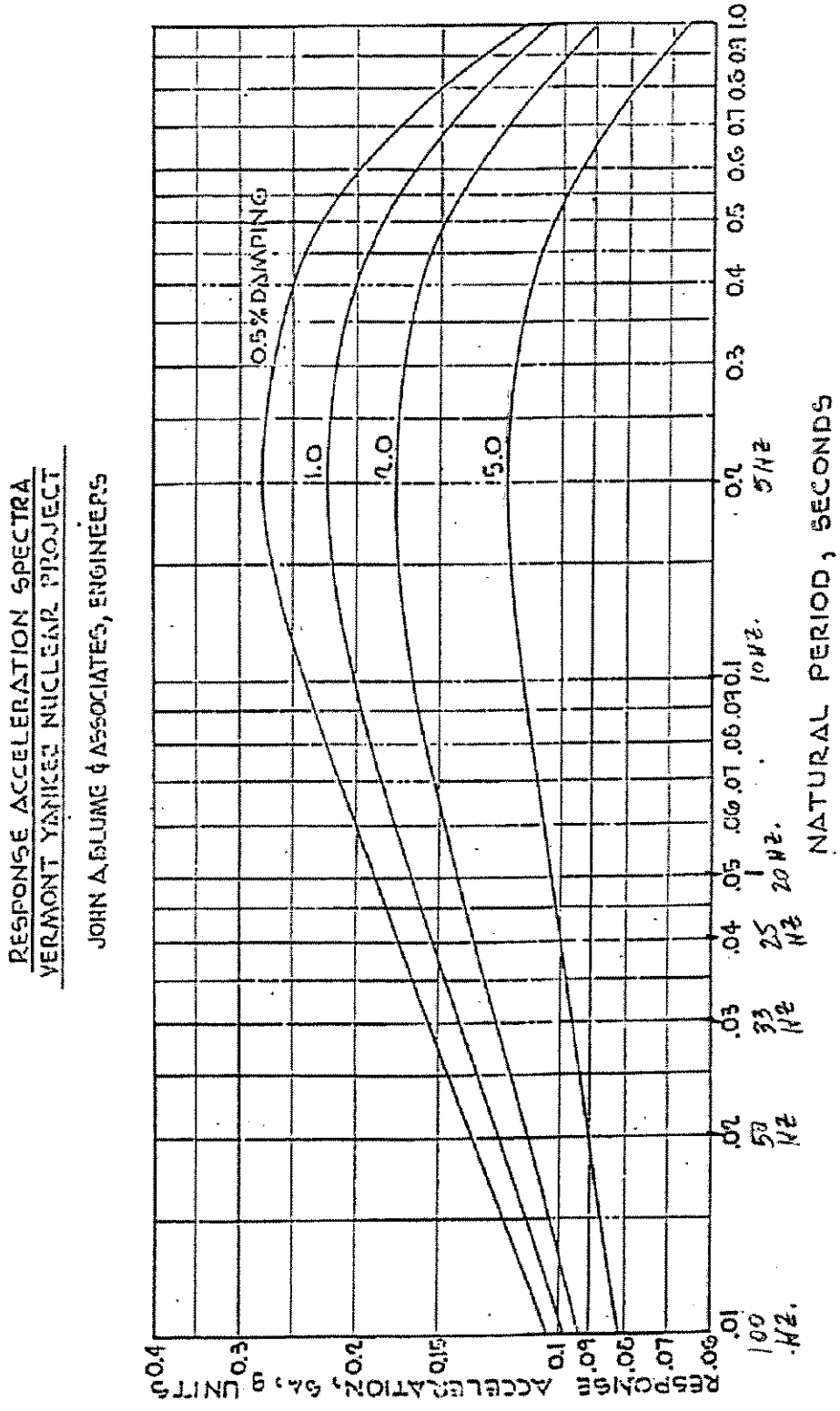
PREPARED BY JCR 2/23/05 REVIEWED BY JM. 2/24/05 PAGE 5 OF 5



H-1


RESPONSE ACCELERATION SPECTRA
VERMONT YANKEE NUCLEAR PROJECT
JOHN A. BLUME & ASSOCIATES, ENGINEERS
0.5% DAMPING
1.0
2.0
5.0
NATURAL PERIOD, SECONDS
RESPONSE ACCELERATION, SA, g UNITS
0.3
0.2
0.1
0.13
0.12
0.11
0.09
0.08
0.07
0.06
0.05
0.04
0.03
0.02
0.01
0
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8
2.0
2.2
2.4
2.6
2.8
3.0

H-2-4



ATTACHMENT 1 - FIGURE 2

Bent A Reaction Summary

JOINT	LOAD	F1	F3
A2	VERT	0	293
A3	VERT	0	254
A4	VERT	0	337
A5	VERT	0	287
A6	VERT	0	153
A7	VERT	0	294
A8	VERT	0	561
A9	VERT	0	294
D1	VERT	0	259
A10	VERT	0	153
A11	VERT	0	287
A12	VERT	0	287
A13	VERT	0	153
A14	VERT	0	294
A15	VERT	0	555
A2	HORIZ	1	340
A3	HORIZ	1	798
A4	HORIZ	1	75
A5	HORIZ	1	833
A6	HORIZ	1	173
A7	HORIZ	1610	602
A8	HORIZ	2	237
A9	HORIZ	1731	406
D1	HORIZ	3140	4177
A10	HORIZ	2	219
A11	HORIZ	2	63
A12	HORIZ	2	322
A13	HORIZ	2	1804
A14	HORIZ	2	151
A15	HORIZ	1744	2700
A2	DEADLOAD MAX	0	3149
A3	DEADLOAD MAX	0	2730
A4	DEADLOAD MAX	0	3624
A5	DEADLOAD MAX	0	3082
A6	DEADLOAD MAX	0	1647
A7	DEADLOAD MAX	0	3163
A8	DEADLOAD MAX	0	6029
A9	DEADLOAD MAX	0	3163
D1	DEADLOAD MAX	0	2782
A10	DEADLOAD MAX	0	1647
A11	DEADLOAD MAX	0	3082
A12	DEADLOAD MAX	0	3082
A13	DEADLOAD MAX	0	1647
A14	DEADLOAD MAX	0	3163
A15	DEADLOAD MAX	0	5972

	F1- SRSS	F3- SRSS	DL + Snow	Net Uplift
A2	1	449	3149	N/A
A3	1	838	2730	N/A
A4	1	345	3624	N/A
A5	1	881	3082	N/A
A6	1	231	1647	N/A
A7	1610	670	3163	N/A
A8	2	609	6029	N/A
A9	1731	502	3163	N/A
D1	3140	4185	2782	1403
A10	2	267	1647	N/A
A11	2	293	3082	N/A
A12	2	431	3082	N/A
A13	2	1810	1647	164
A14	2	330	3163	N/A
A15	1744	2756	5972	N/A

3140 lbs. =Bent A max shear
4185 lbs. =Bent A max pullout

1647 lbs. =DL min
6029 lbs. =DL max

Maximum Net Uplift:
1403 lbs.

Bent B Reaction Summary

JOINT	LOAD	F1	F3
A2	VERT	0	836
A3	VERT	0	887
A4	VERT	0	908
A5	VERT	0	893
A6	VERT	0	855
A7	VERT	0	835
A8	VERT	0	1107
A9	VERT	0	835
D1	VERT	0	540
A10	VERT	0	854
A11	VERT	0	892
A12	VERT	0	892
A13	VERT	0	854
A14	VERT	0	835
A15	VERT	0	1099
A2	HORIZ	2	2525
A3	HORIZ	1	624
A4	HORIZ	1	131
A5	HORIZ	1	1366
A6	HORIZ	2	2312
A7	HORIZ	3254	544
A8	HORIZ	6925	711
A9	HORIZ	2796	616
D1	HORIZ	8390	11950
A10	HORIZ	1	1615
A11	HORIZ	1	296
A12	HORIZ	1	1015
A13	HORIZ	1	3240
A14	HORIZ	1	3910
A15	HORIZ	3561	6666
A2	DEADLOAD MAX	0	8993
A3	DEADLOAD MAX	0	9533
A4	DEADLOAD MAX	0	9765
A5	DEADLOAD MAX	0	9605
A6	DEADLOAD MAX	0	9198
A7	DEADLOAD MAX	0	8978
A8	DEADLOAD MAX	0	11907
A9	DEADLOAD MAX	0	8978
D1	DEADLOAD MAX	0	5806
A10	DEADLOAD MAX	0	9184
A11	DEADLOAD MAX	0	9591
A12	DEADLOAD MAX	0	9591
A13	DEADLOAD MAX	0	9184
A14	DEADLOAD MAX	0	8978
A15	DEADLOAD MAX	0	11816

	F1- SRSS	F3- SRSS	DL + Snow	Net Uplift
A2	2	2660	8993	N/A
A3	1	1084	9533	N/A
A4	1	918	9765	N/A
A5	1	1632	9605	N/A
A6	2	2465	9198	N/A
A7	3254	997	8978	N/A
A8	6925	1316	11907	N/A
A9	2796	1038	8978	N/A
D1	8390	11962	5806	6156
A10	1	1827	9184	N/A
A11	1	940	9591	N/A
A12	1	1351	9591	N/A
A13	1	3351	9184	N/A
A14	1	3998	8978	N/A
A15	3561	6756	11816	N/A

8390 lbs. =Bent B max shear
11962 lbs. =Bent B max pullout

5806 lbs. =DL min
11907 lbs. =DL max

Maximum Net Uplift:
6156 lbs.

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Bent C Reaction Summary

JOINT	LOAD	F1	F3
D1	VERT	0	979
D2	VERT	0	1306
D3	VERT	0	1407
D4	VERT	0	1401
D5	VERT	0	1382
D6	VERT	0	1350
D7	VERT	0	1306
D8	VERT	0	1486
D9	VERT	0	1306
D10	VERT	0	1306
D11	VERT	0	1345
D12	VERT	0	1345
D13	VERT	0	1306
D14	VERT	0	1306
D15	VERT	0	1481
D1	HORIZ	6840	10280
D2	HORIZ	21	6194
D3	HORIZ	22	3326
D4	HORIZ	20	1958
D5	HORIZ	21	912
D6	HORIZ	18	3503
D7	HORIZ	5729	11430
D8	HORIZ	12573	147
D9	HORIZ	5881	11693
D10	HORIZ	19	3125
D11	HORIZ	17	1054
D12	HORIZ	19	2062
D13	HORIZ	24	4278
D14	HORIZ	23	5822
D15	HORIZ	6929	10725
D1	DEADLOAD MAX	0	10522
D2	DEADLOAD MAX	0	14045
D3	DEADLOAD MAX	0	15124
D4	DEADLOAD MAX	0	15062
D5	DEADLOAD MAX	0	14856
D6	DEADLOAD MAX	0	14516
D7	DEADLOAD MAX	0	14045
D8	DEADLOAD MAX	0	15980
D9	DEADLOAD MAX	0	14045
D10	DEADLOAD MAX	0	14045
D11	DEADLOAD MAX	0	14466
D12	DEADLOAD MAX	0	14466
D13	DEADLOAD MAX	0	14045
D14	DEADLOAD MAX	0	14045
D15	DEADLOAD MAX	0	15926

	F1- SRSS	F3- SRSS	DL + Snow	Net Uplift
A2	6840	10326	10522	N/A
A3	21	6330	14045	N/A
A4	22	3611	15124	N/A
A5	20	2408	15062	N/A
A6	21	1655	14856	N/A
A7	18	3754	14516	N/A
A8	5729	11504	14045	N/A
A9	12573	1493	15980	N/A
D1	5881	11765	14045	N/A
A10	19	3387	14045	N/A
A11	17	1709	14466	N/A
A12	19	2462	14466	N/A
A13	24	4473	14045	N/A
A14	23	5966	14045	N/A
A15	6929	10827	15926	N/A

12573 lbs. =Bent C max shear
11765 lbs. =Bent C max pullout

10522 lbs. =DL min
15980 lbs. =DL max

Maximum Net Uplift:
0 lbs.

End Bent Reaction Summary

JOINT	LOAD	F1	F3
D2	VERT	0	735
D3	VERT	0	567
D4	VERT	0	258
D5	VERT	0	215
D6	VERT	0	215
D7	VERT	0	258
D8	VERT	0	567
D9	VERT	0	951
D2	HORIZ	3529	5576
D3	HORIZ	0	1047
D4	HORIZ	0	1564
D5	HORIZ	0	2067
D6	HORIZ	0	2068
D7	HORIZ	0	1560
D8	HORIZ	0	1141
D9	HORIZ	3535	5703

	F1- SRSS	F3- SRSS	DL + Snow	Net Uplift
D2	3529	5624	7898	N/A
D3	0	1190	6097	N/A
D4	0	1585	2770	N/A
D5	0	2078	2310	N/A
D6	0	2079	2310	N/A
D7	0	1582	2770	N/A
D8	0	1275	6099	N/A
D9	3535	5782	10227	N/A

D2	DEADLOAD MAX	0	7898
D3	DEADLOAD MAX	0	6097
D4	DEADLOAD MAX	0	2770
D5	DEADLOAD MAX	0	2310
D6	DEADLOAD MAX	0	2310
D7	DEADLOAD MAX	0	2770
D8	DEADLOAD MAX	0	6099
D9	DEADLOAD MAX	0	10227

3535 lbs. =End Bent max shear
5782 lbs. =End Bent max pullout

2310 lbs. =DL min
10227 lbs. =DL max

Maximum Net Uplift:
0 lbs.

Main Bent Reaction Summary

JOINT	LOAD	F1	F3
A3	VERT	0	881
A4	VERT	0	148
A5	VERT	0	263
A6	VERT	0	310
A7	VERT	0	148
A8	VERT	0	959
D2	VERT	26	1283
D9	VERT	26	1357
A3	HORIZ	0	1587
A4	HORIZ	19	1739
A5	HORIZ	0	4126
A6	HORIZ	0	4132
A7	HORIZ	19	1748
A8	HORIZ	0	1595
D2	HORIZ	4384	7320
D9	HORIZ	4385	7345

	F1- SRSS	F3- SRSS	DL + Snow	Net Uplift
A3	0	1815	9468	N/A
A4	19	1746	1591	155
A5	0	4134	2824	1310
A6	0	4144	3333	810
A7	19	1754	1591	163
A8	0	1861	10310	N/A
D2	4384	7431	13792	N/A
D9	4385	7469	14587	N/A

A3	DEADLOAD MAX	0	9468
A4	DEADLOAD MAX	1	1591
A5	DEADLOAD MAX	0	2824
A6	DEADLOAD MAX	0	3333
A7	DEADLOAD MAX	1	1591
A8	DEADLOAD MAX	0	10310
D2	DEADLOAD MAX	281	13792
D9	DEADLOAD MAX	281	14587

4385 lbs. =Main Bent max shear
7469 lbs. =Main Bent max pullout

1591 lbs. =DL min
14587 lbs. =DL max

Maximum Net Uplift:
1310 lbs.

Partition Bent Reaction Summary

JOINT	LOAD	F1	F3
A3	VERT	0	1111
A4	VERT	0	550
A5	VERT	0	467
A6	VERT	0	467
A7	VERT	0	550
A8	VERT	0	1113
D2	VERT	0	1360
D9	VERT	0	1391
A3	HORIZ	829	1422
A4	HORIZ	0	2826
A5	HORIZ	0	4676
A6	HORIZ	0	4675
A7	HORIZ	0	2825
A8	HORIZ	829	1422
D2	HORIZ	4844	8075
D9	HORIZ	4845	8082

	F1- SRSS	F3- SRSS	DL + Snow	Net Uplift
A3	829	1805	11948	N/A
A4	0	2879	5918	N/A
A5	0	4700	5025	N/A
A6	0	4698	5025	N/A
A7	0	2878	5918	N/A
A8	829	1806	11964	N/A
D2	4844	8189	14627	N/A
D9	4845	8201	14956	N/A

A3	DEADLOAD MAX	0	11948
A4	DEADLOAD MAX	0	5918
A5	DEADLOAD MAX	0	5025
A6	DEADLOAD MAX	0	5025
A7	DEADLOAD MAX	0	5918
A8	DEADLOAD MAX	0	11964
D2	DEADLOAD MAX	0	14627
D9	DEADLOAD MAX	0	14956

4845 lbs. =Partition Bent max shear
8201 lbs. =Partition Bent max pullout

5025 lbs. =DL min
14956 lbs. =DL max

Maximum Net Uplift:
0 lbs.

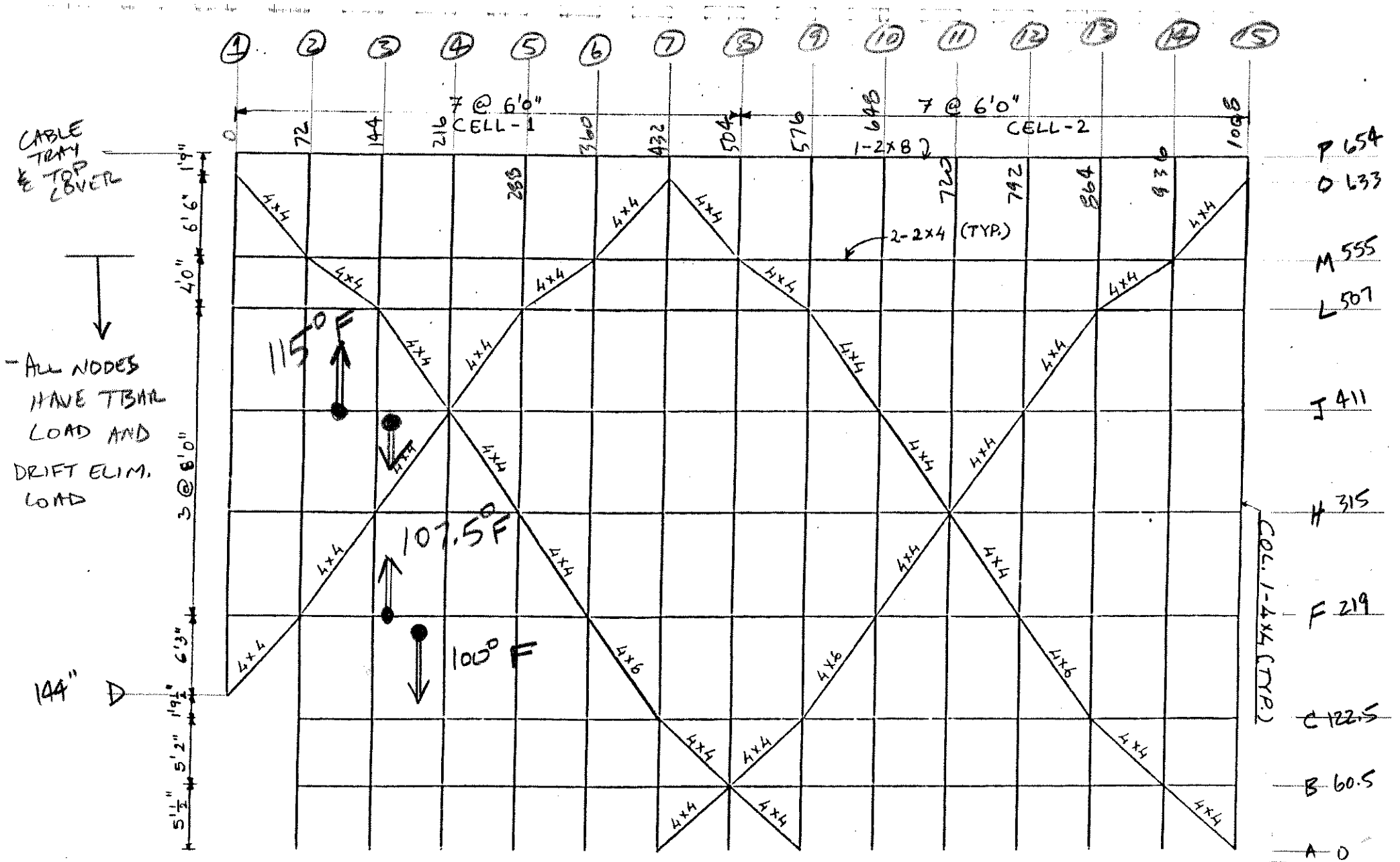


FIGURE 14 LONGITUDINAL FRAMING OF BENT A - CELLS NO. 1 AND 2

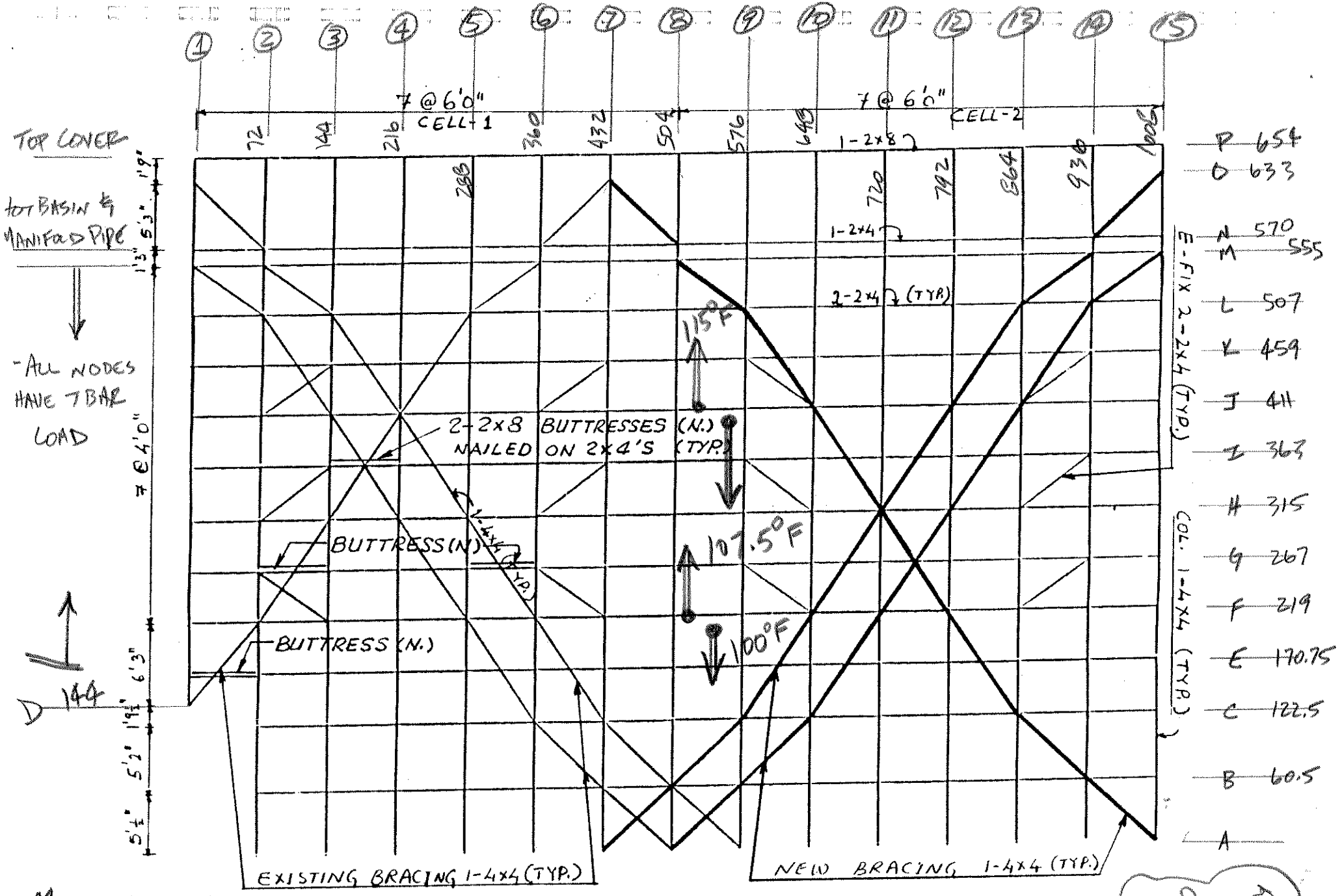
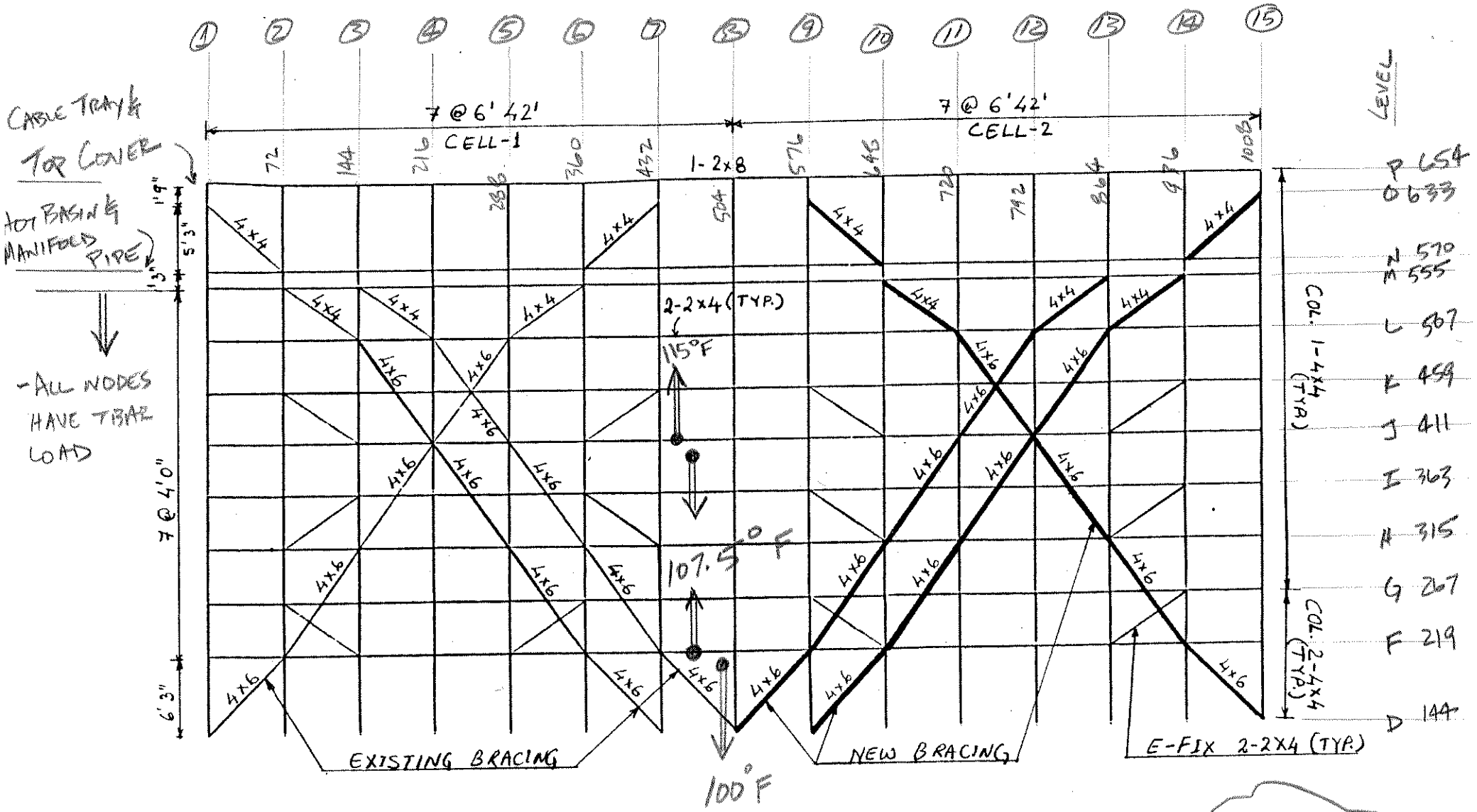


FIGURE 15(b) LONGITUDINAL FRAMING OF BENT B - CELLS NO. 1 AND 2 (AS ANALYZED AND BUTTRESSES ADDED)



- ALL NODES HAVE LOUVER WALL LOAD

ATTACH. E
SH. E3
CALC. 1356711-C-001
REV. 1

FIGURE 16 LONGITUDINAL FRAMING OF BENT C - CELLS NO. 1 AND 2

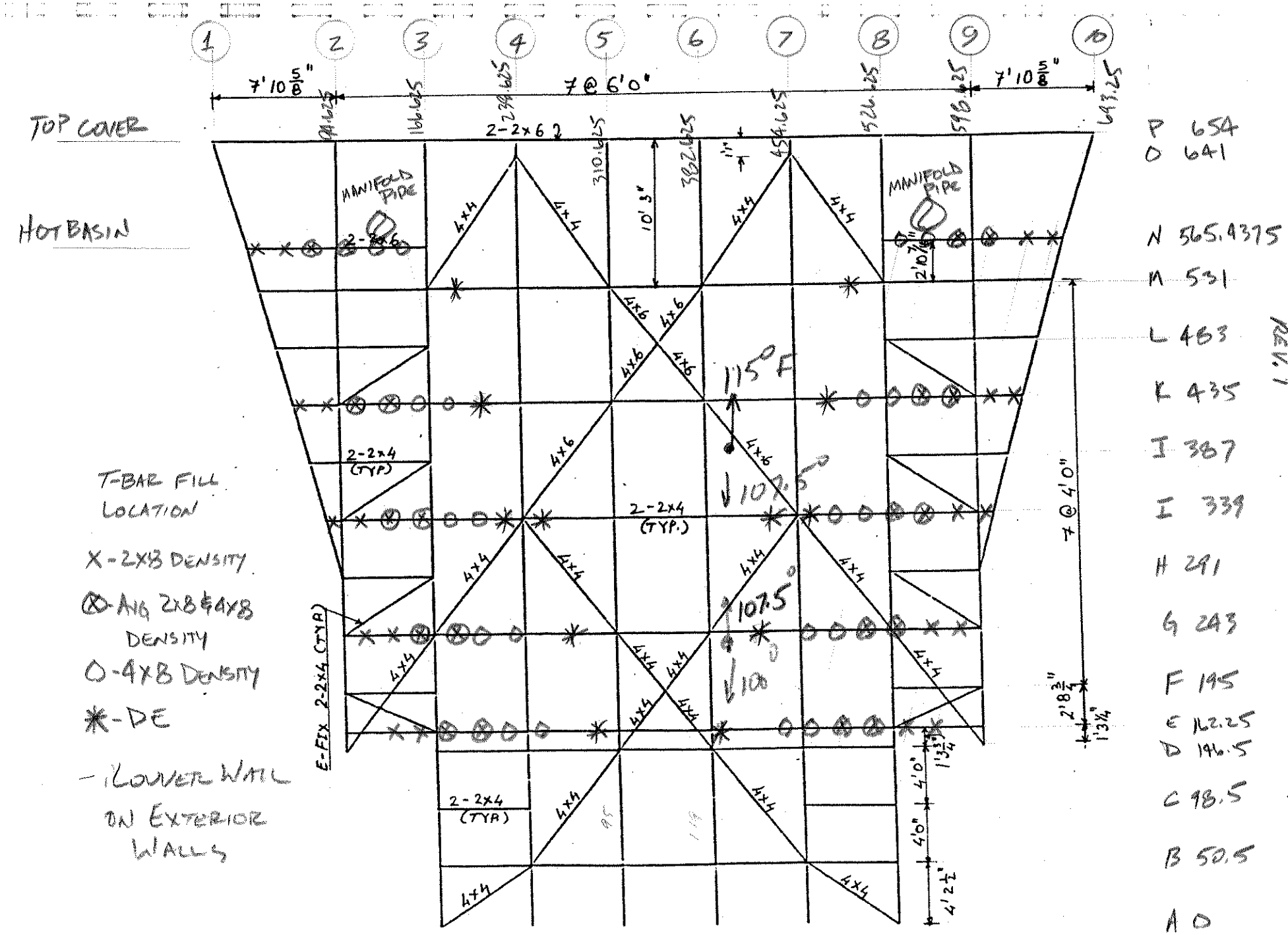


FIGURE 12 TRANSVERSE FRAMING OF PARTITION BENT AT WALL NO. 4

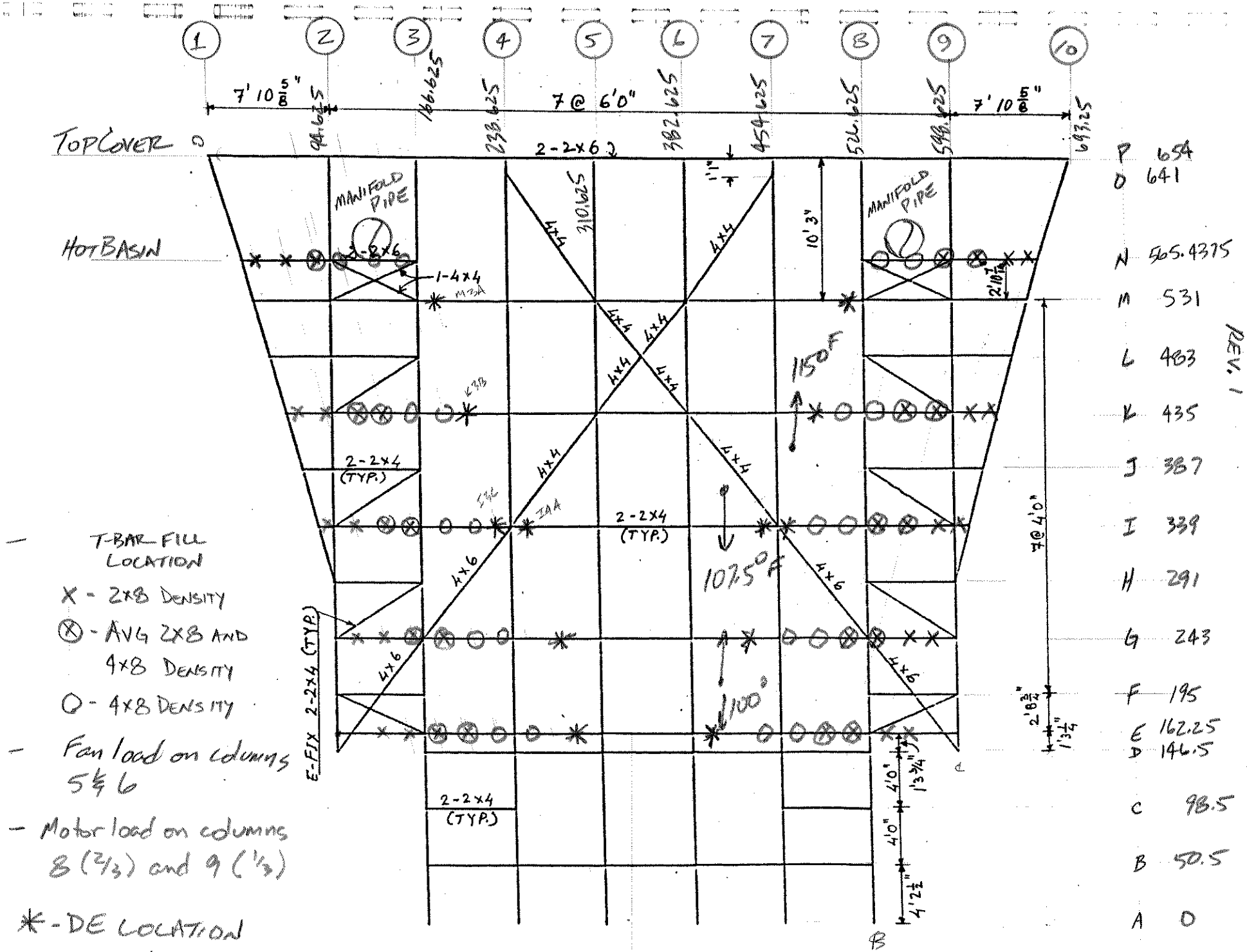


FIGURE 10 TRANSVERSE FRAMING OF MAIN BENT - CELL NO. 1

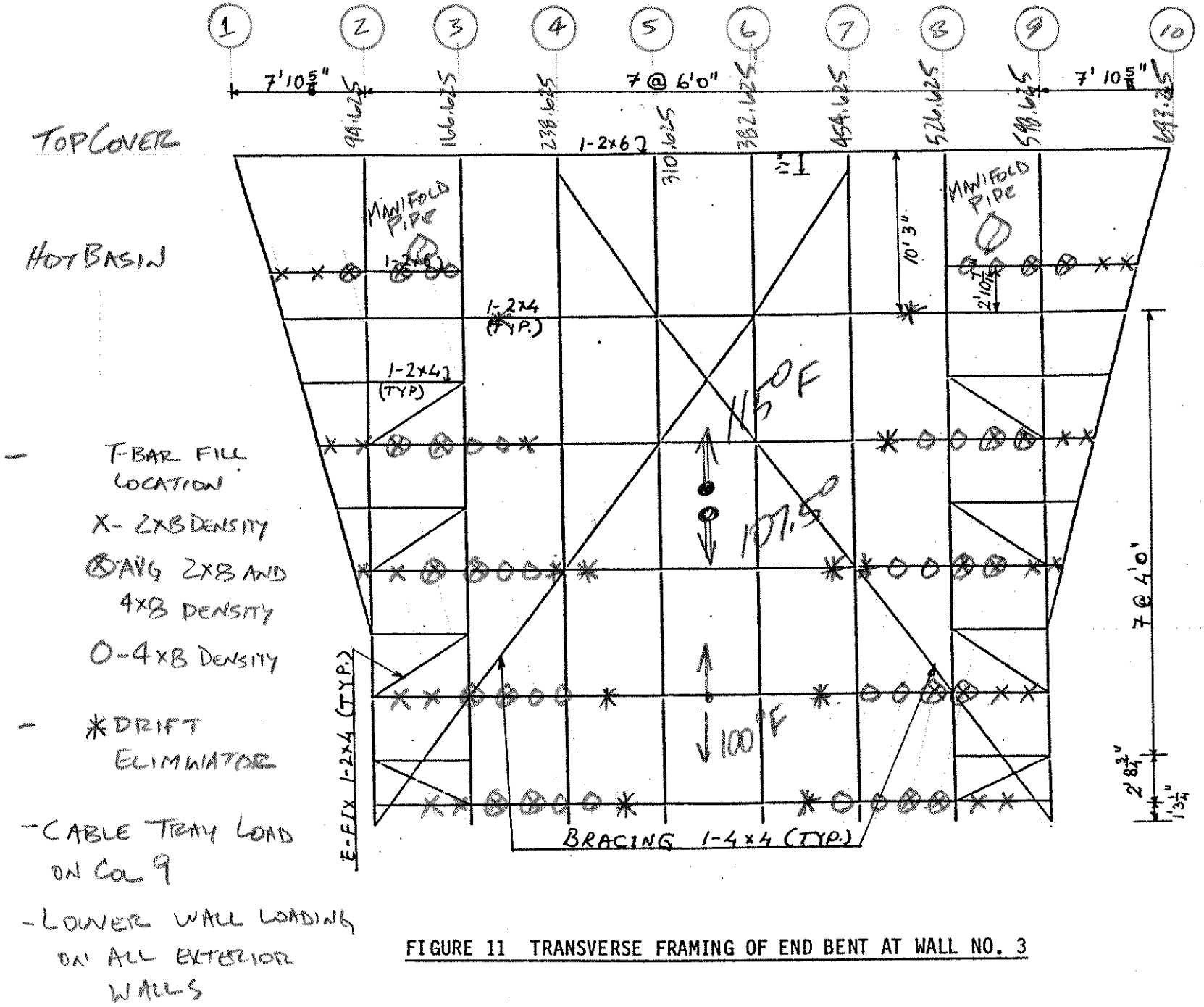
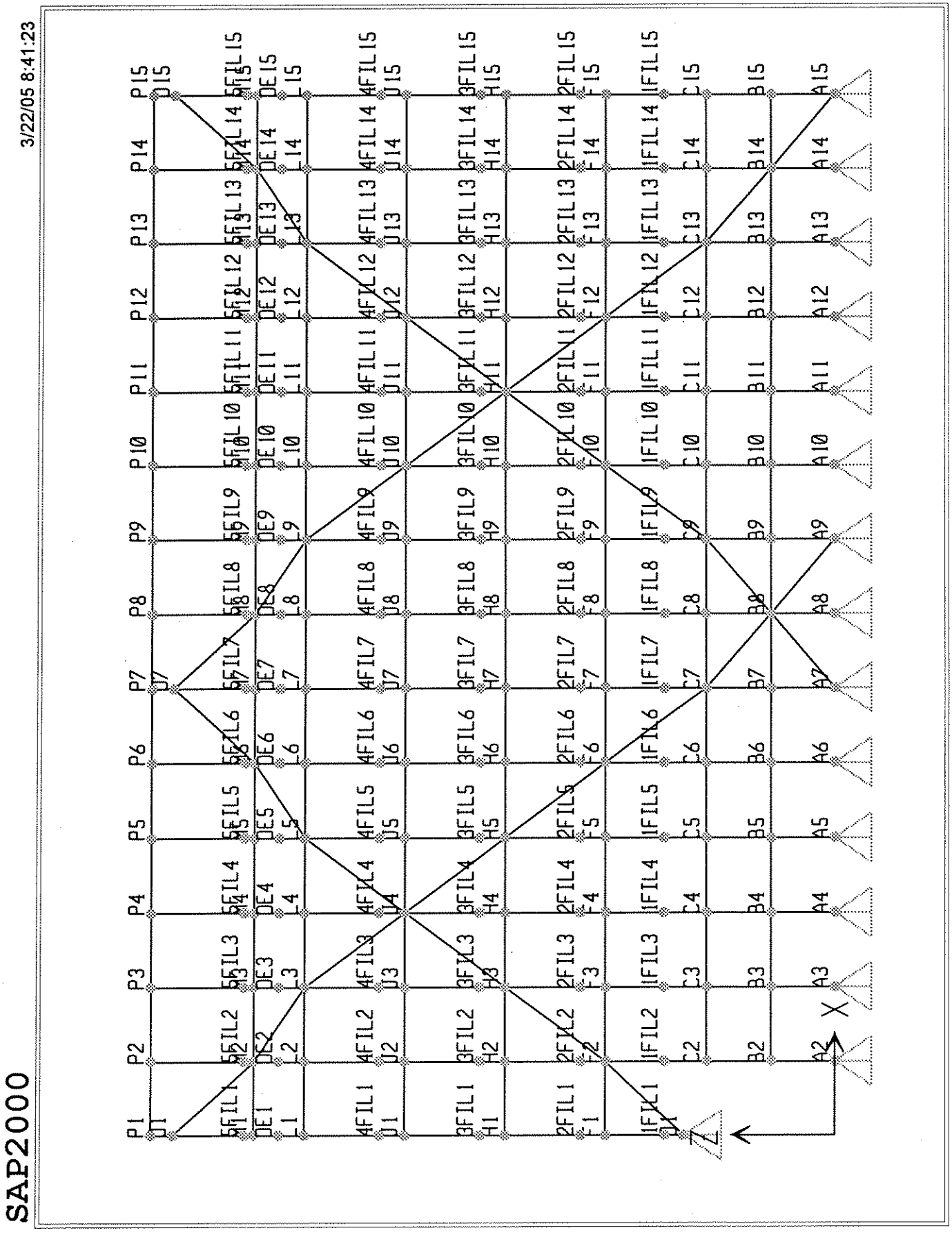


FIGURE 11 TRANSVERSE FRAMING OF END BENT AT WALL NO. 3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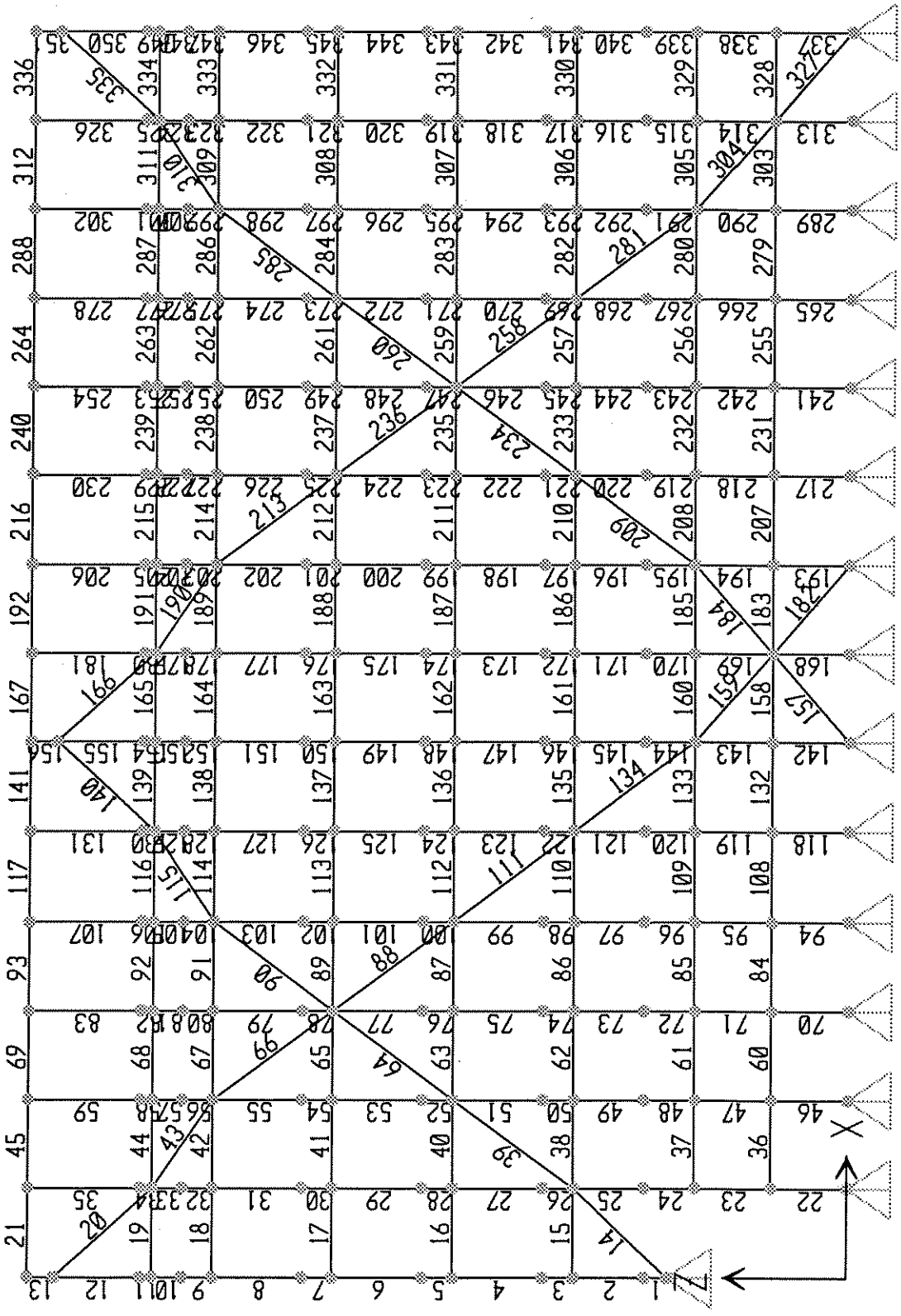
X
Z

3/22/05 8:41:31

SAP2000



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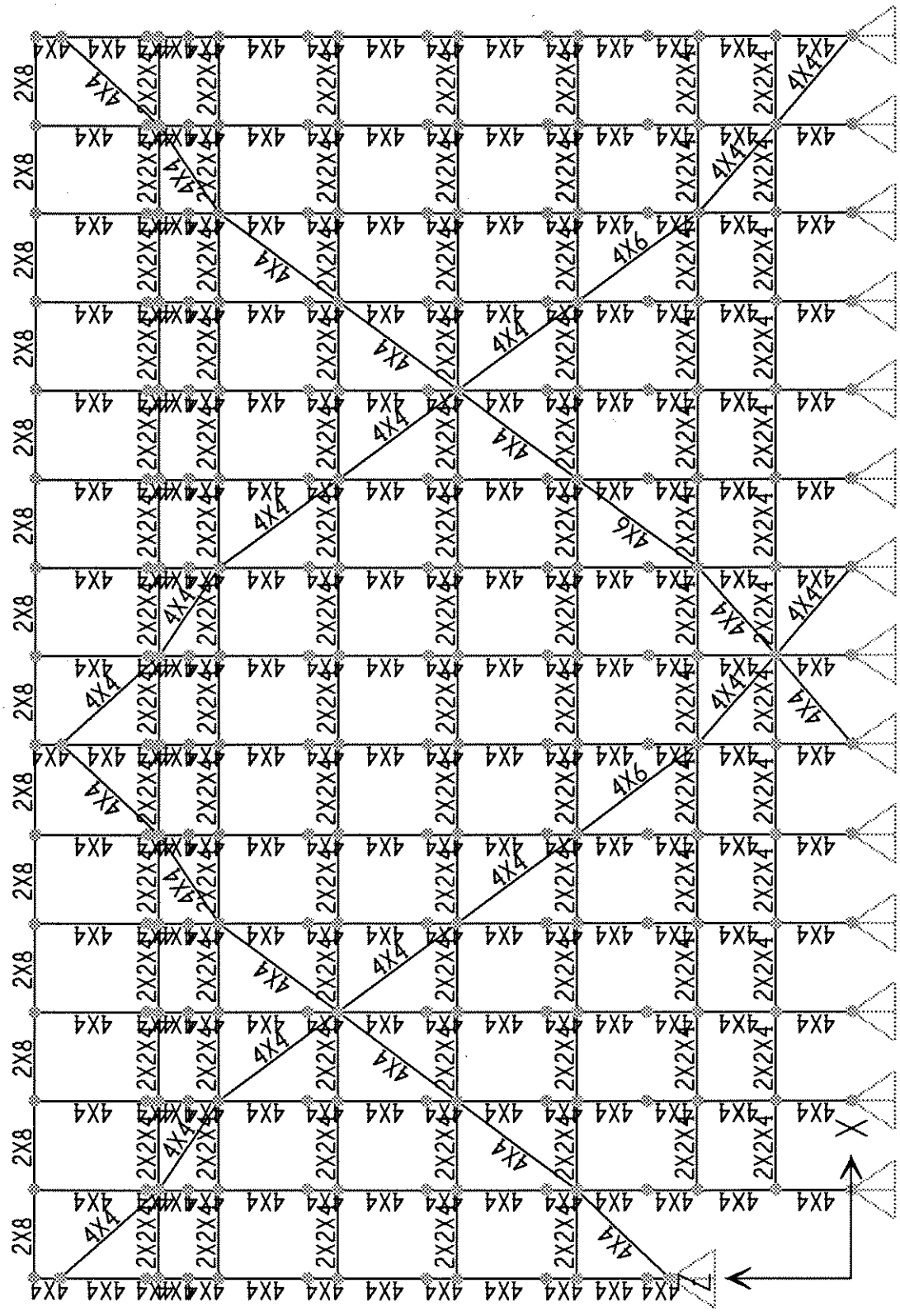

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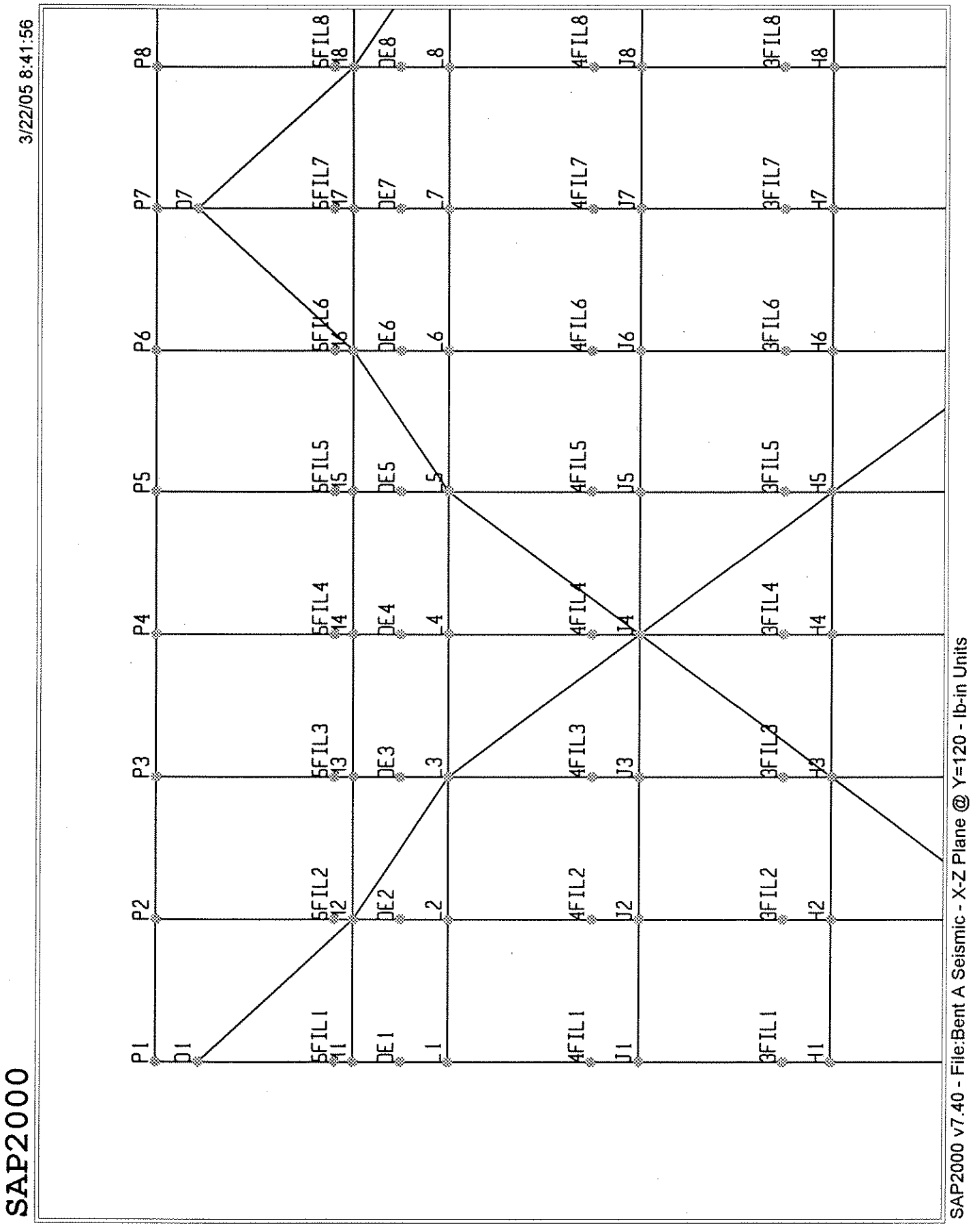
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D7
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5FIL3
5FIL4
5FIL5
5FIL6
5FIL7
5FIL8
11
12
13
14
15
16
17
18
DE1
DE2
DE3
DE4
DE5
DE6
DE7
DE8
L1
L2
L3
L4
L5
L6
L7
L8
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J8
3FIL1
3FIL2
3FIL3
3FIL4
3FIL5
3FIL6
3FIL7
3FIL8
H1
H2
H3
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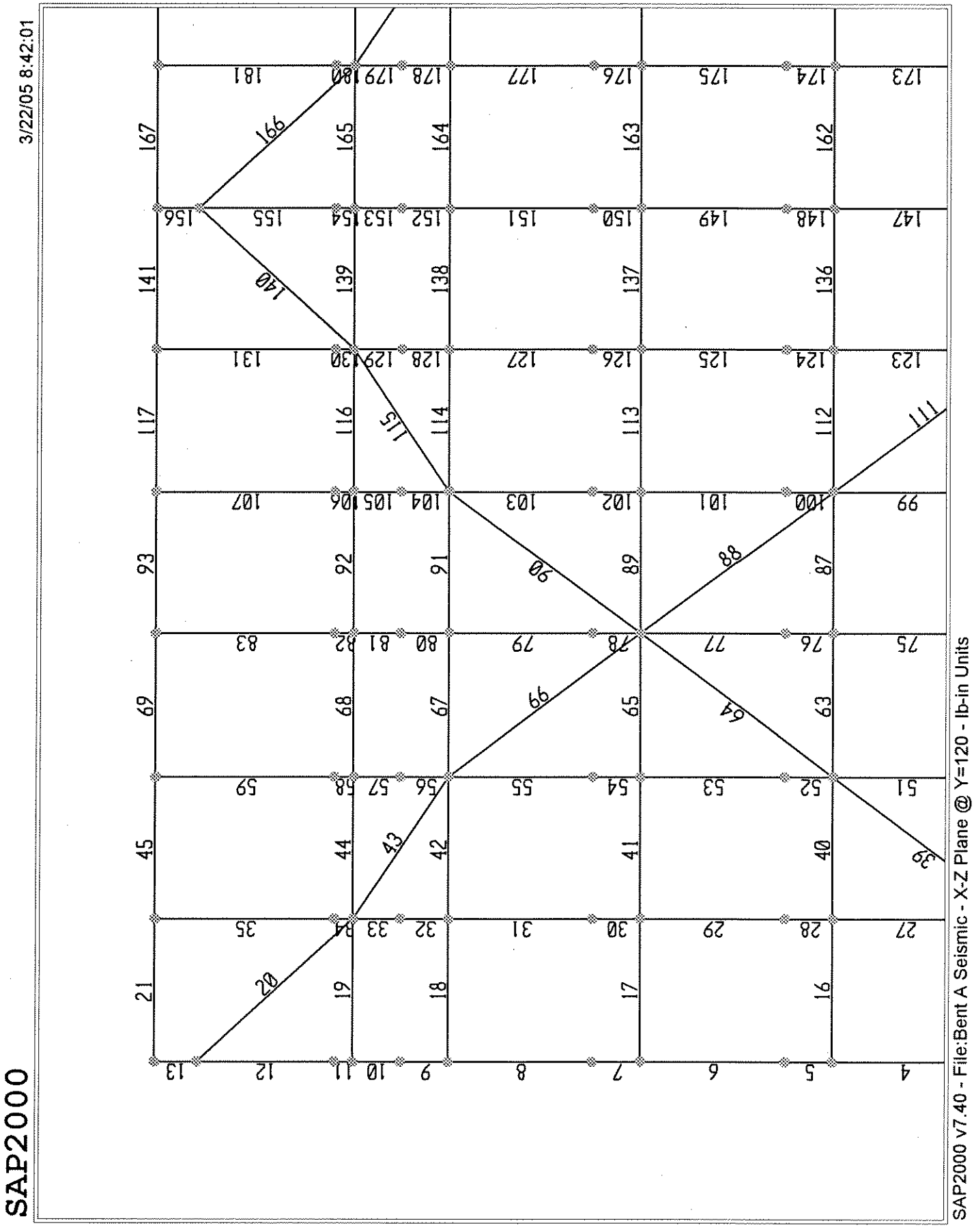
SAP2000 v7.40 - File:Bent A Seismic - X-Z Plane @ Y=120 - lb-in Units

REV. 1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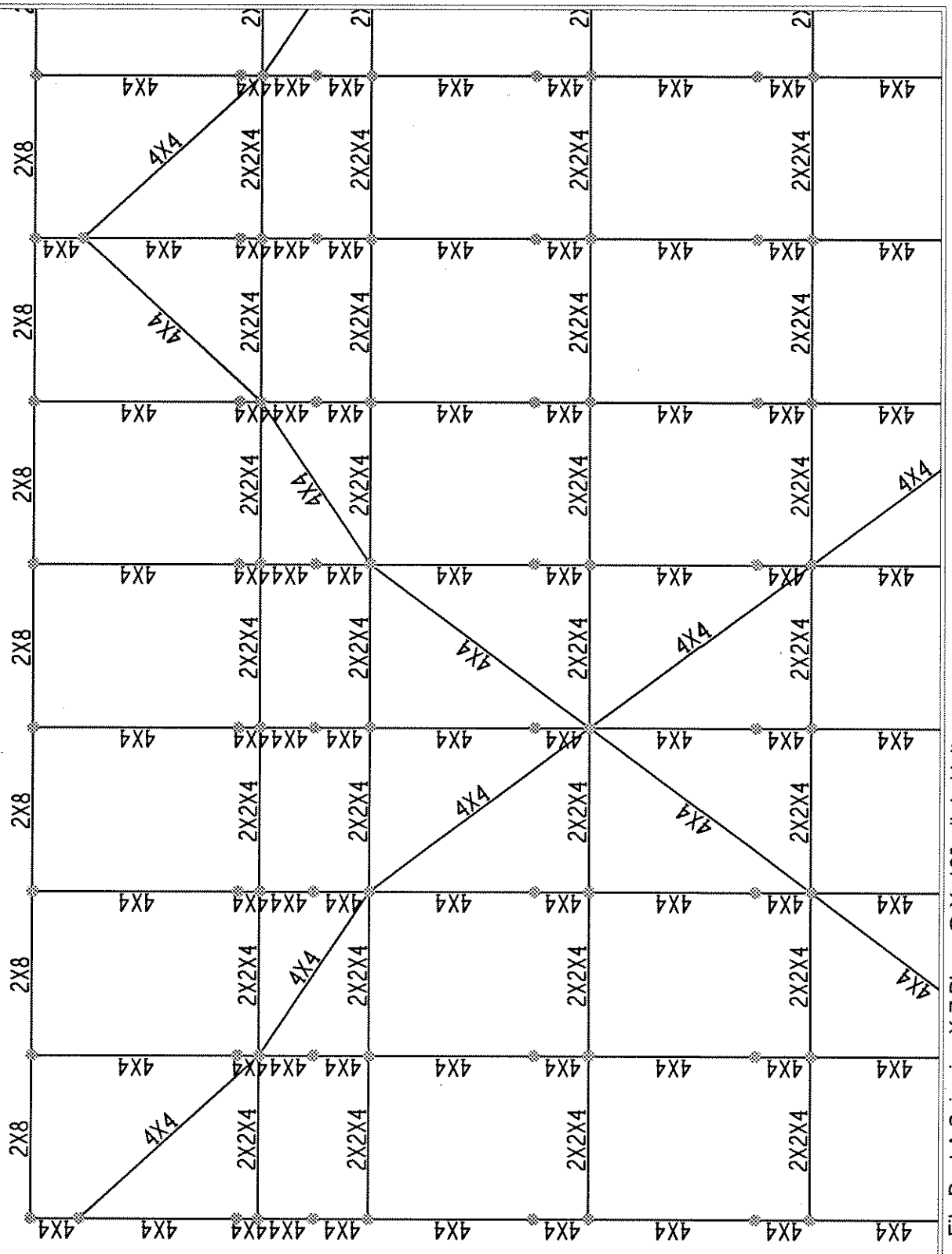
3/22/05 8:42:10



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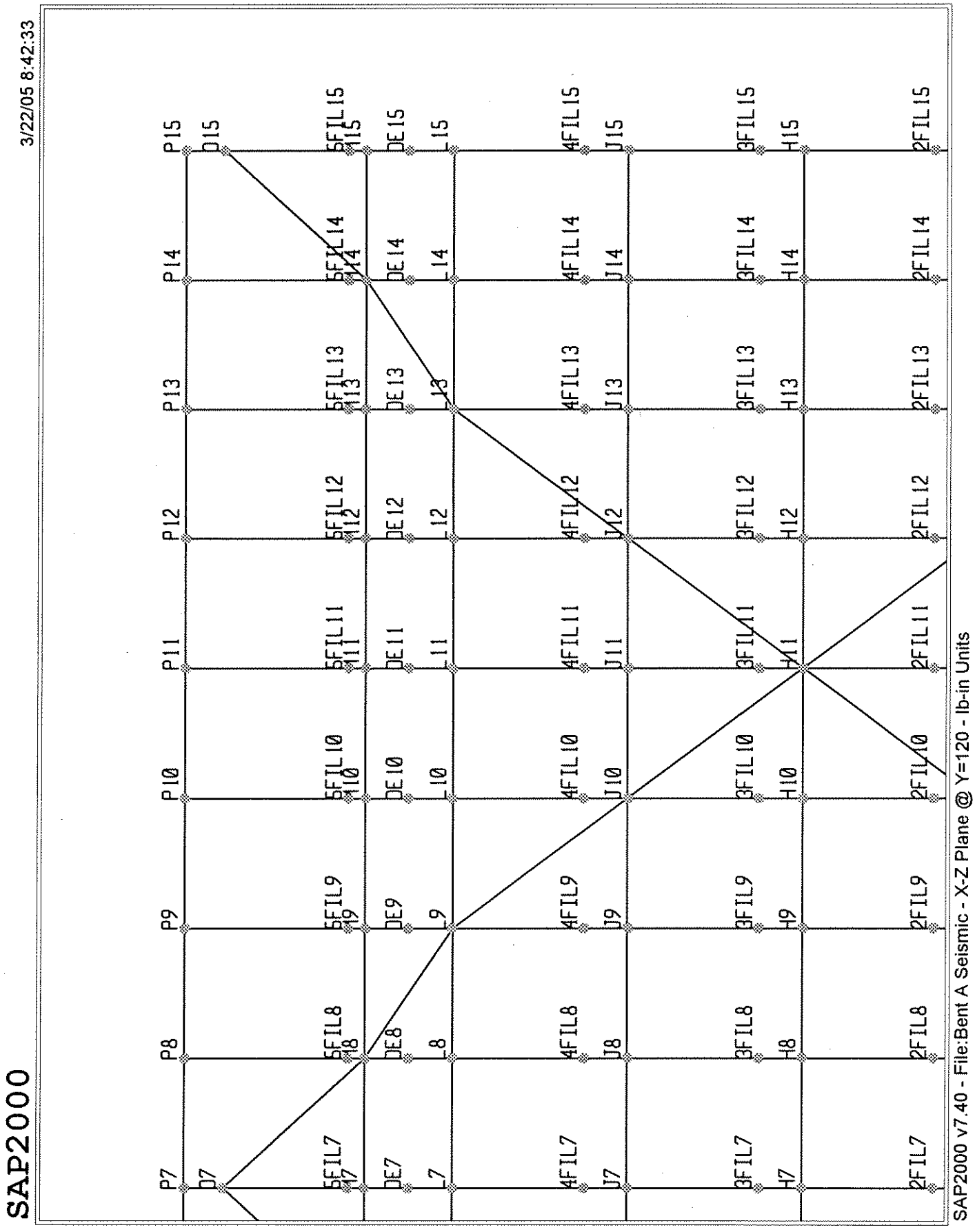
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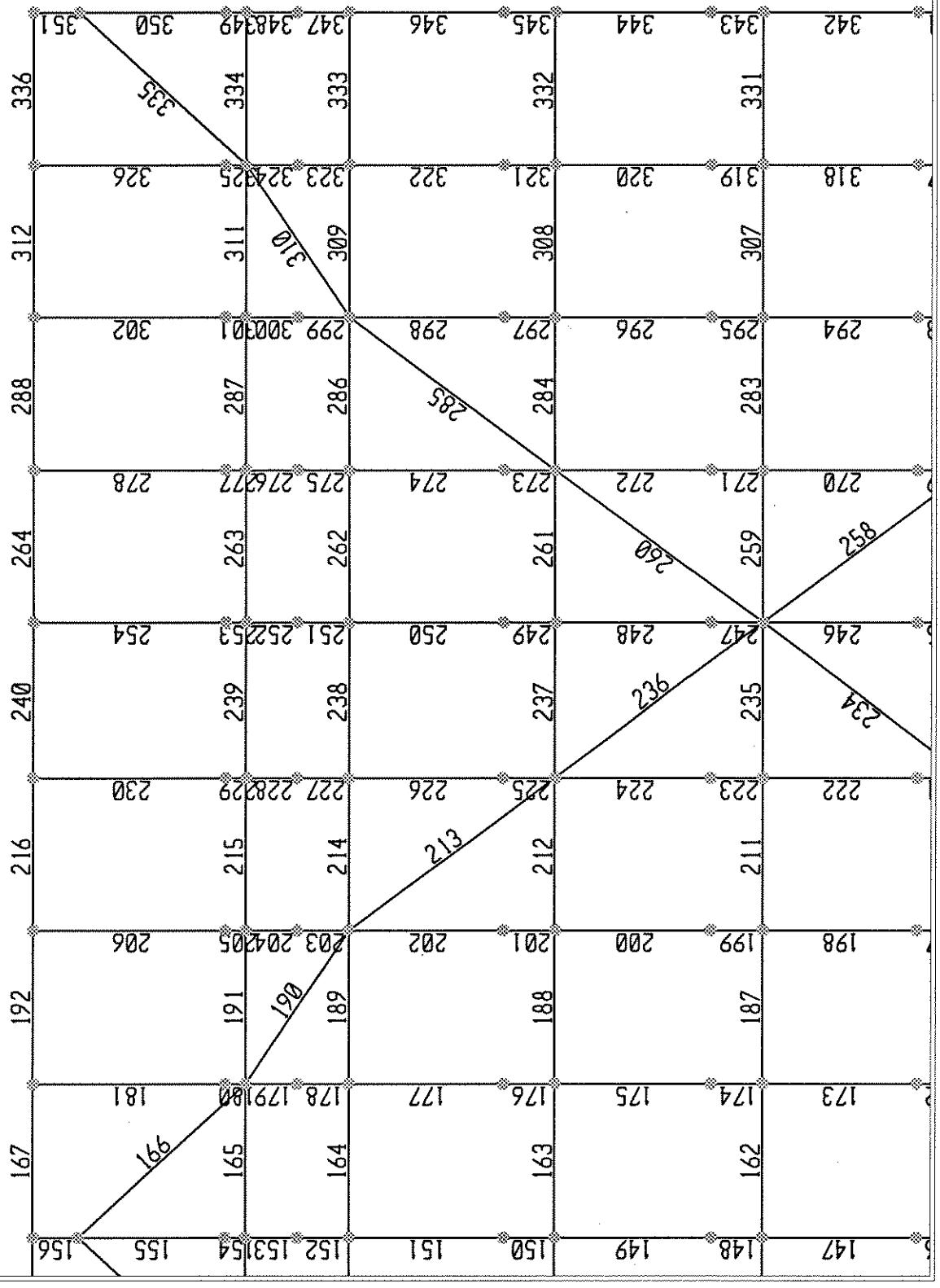
3/22/05 8:42:40

SAP2000



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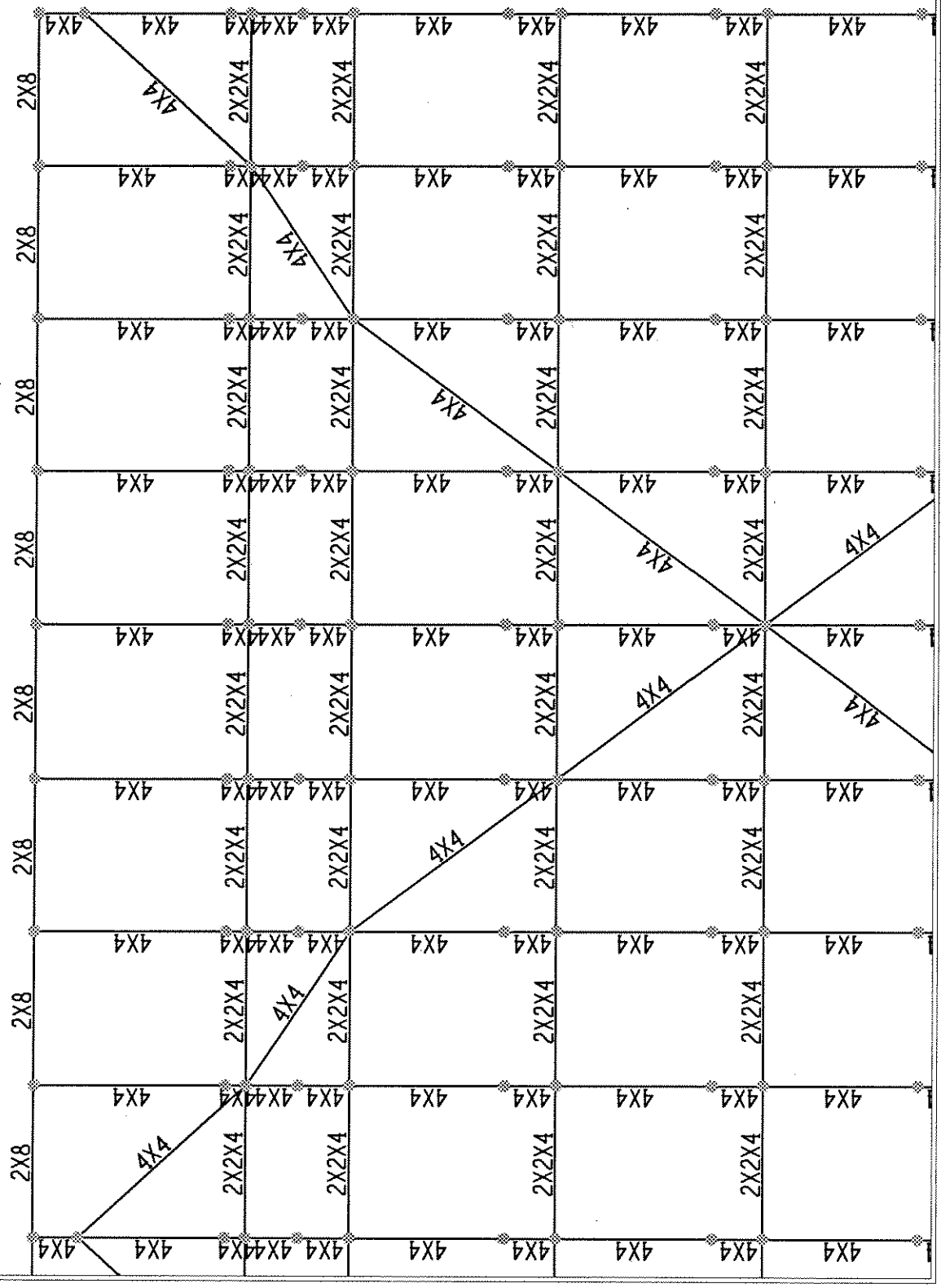
3/22/05 8:42:46



SAP2000

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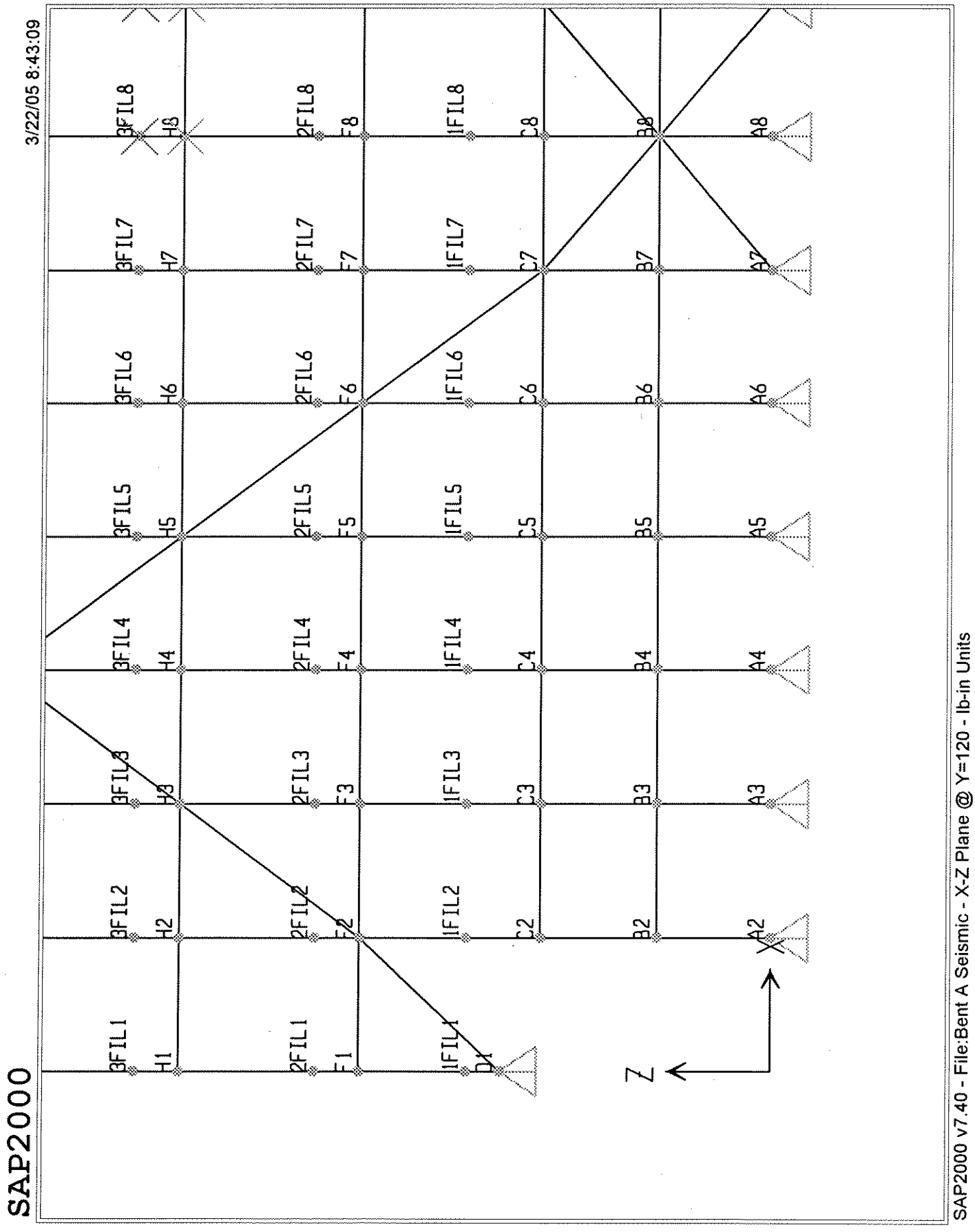
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2FIL8
F1
F2
F3
F4
F5
F6
F7
F8
1FIL1
1FIL2
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1FIL8
D1
C2
C3
C4
C5
C6
C7
C8
B2
B3
B4
B5
B6
B7
B8
A2
A3
A4
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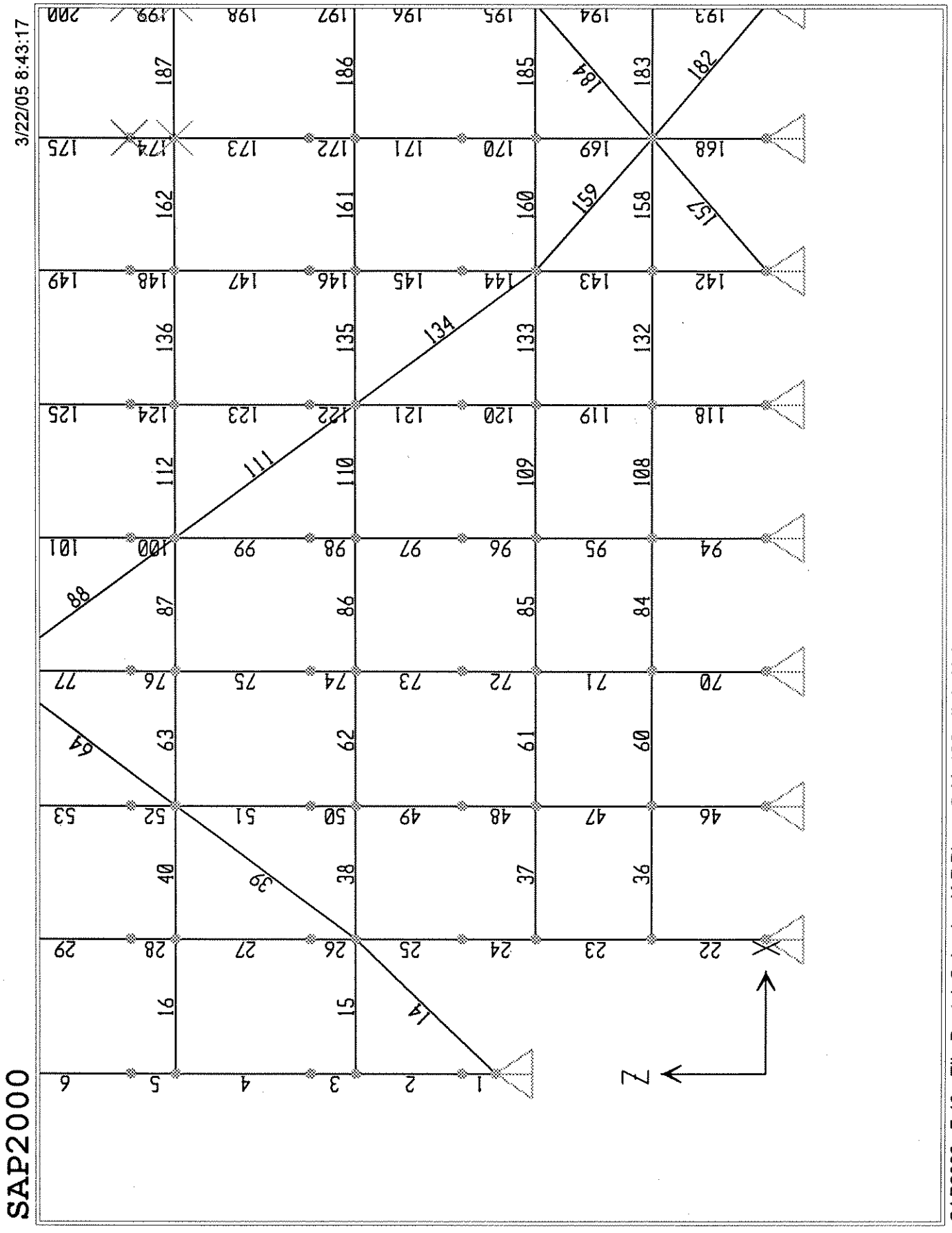
A6
A7
A8
Z
X
SAP2000 v7.40 - File:Bent A Seismic - X-Z Plane @ Y=120 - lb-in Units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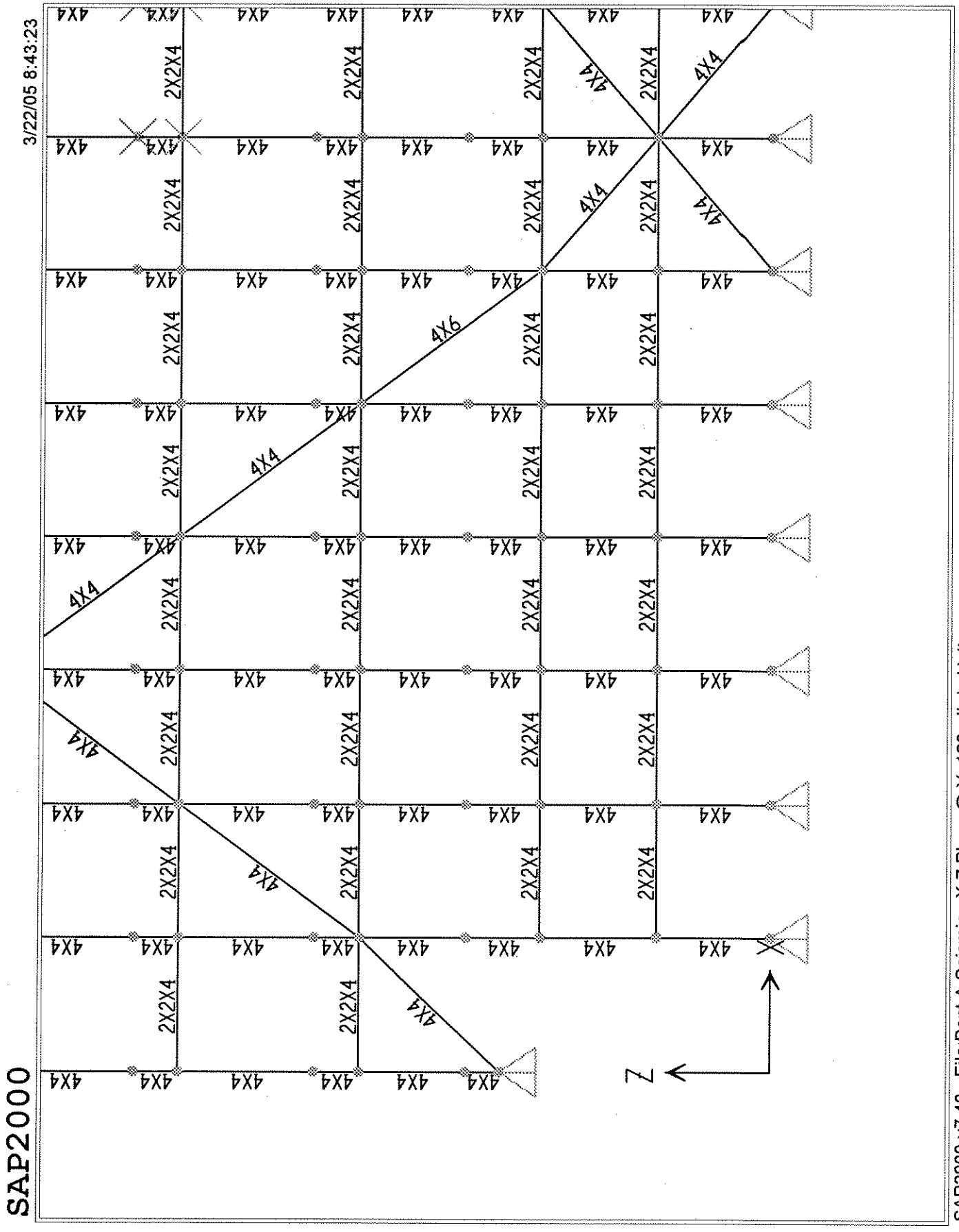
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3/22/05 8:43:23
4X4
2X2X4
4X6
Z
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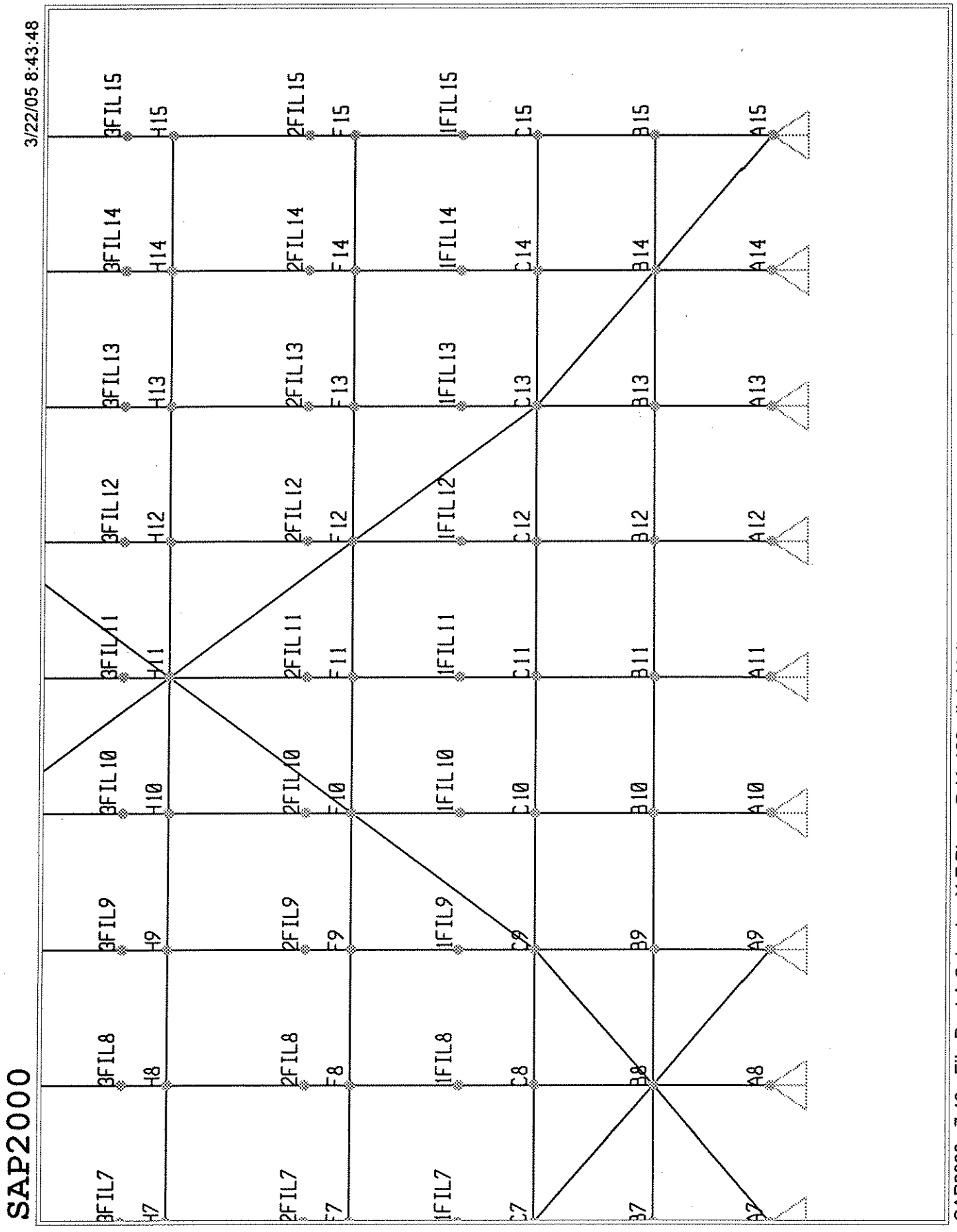
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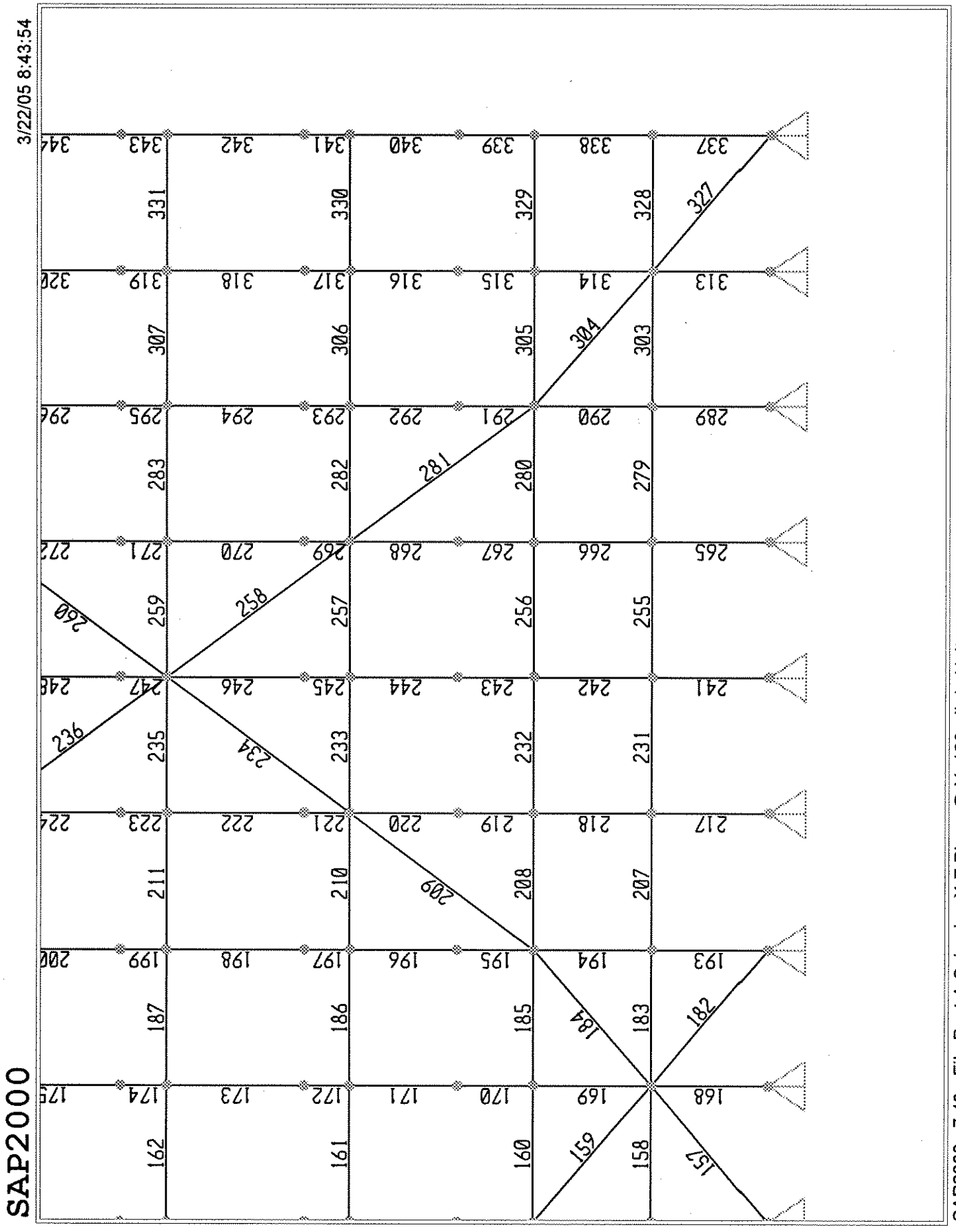
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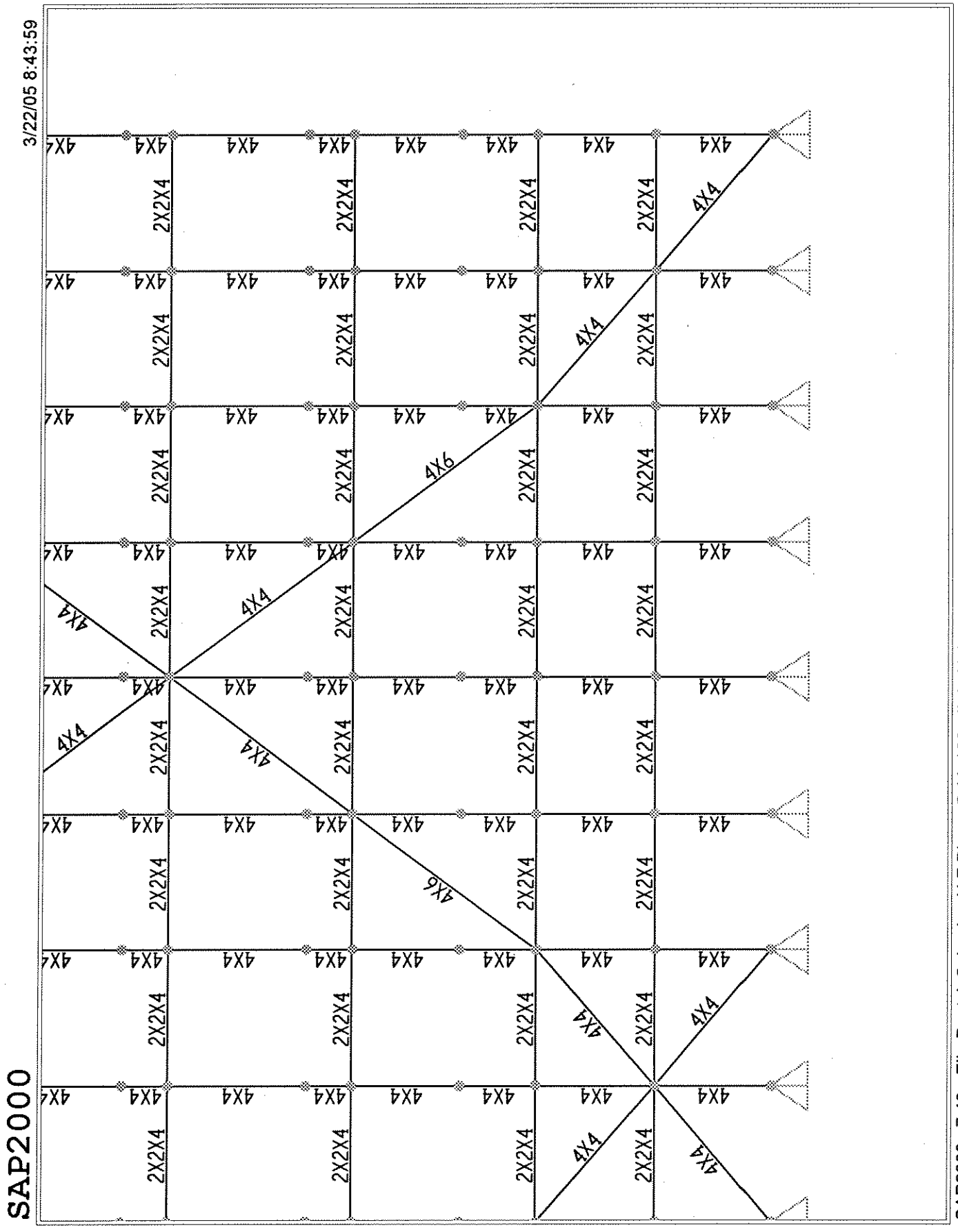
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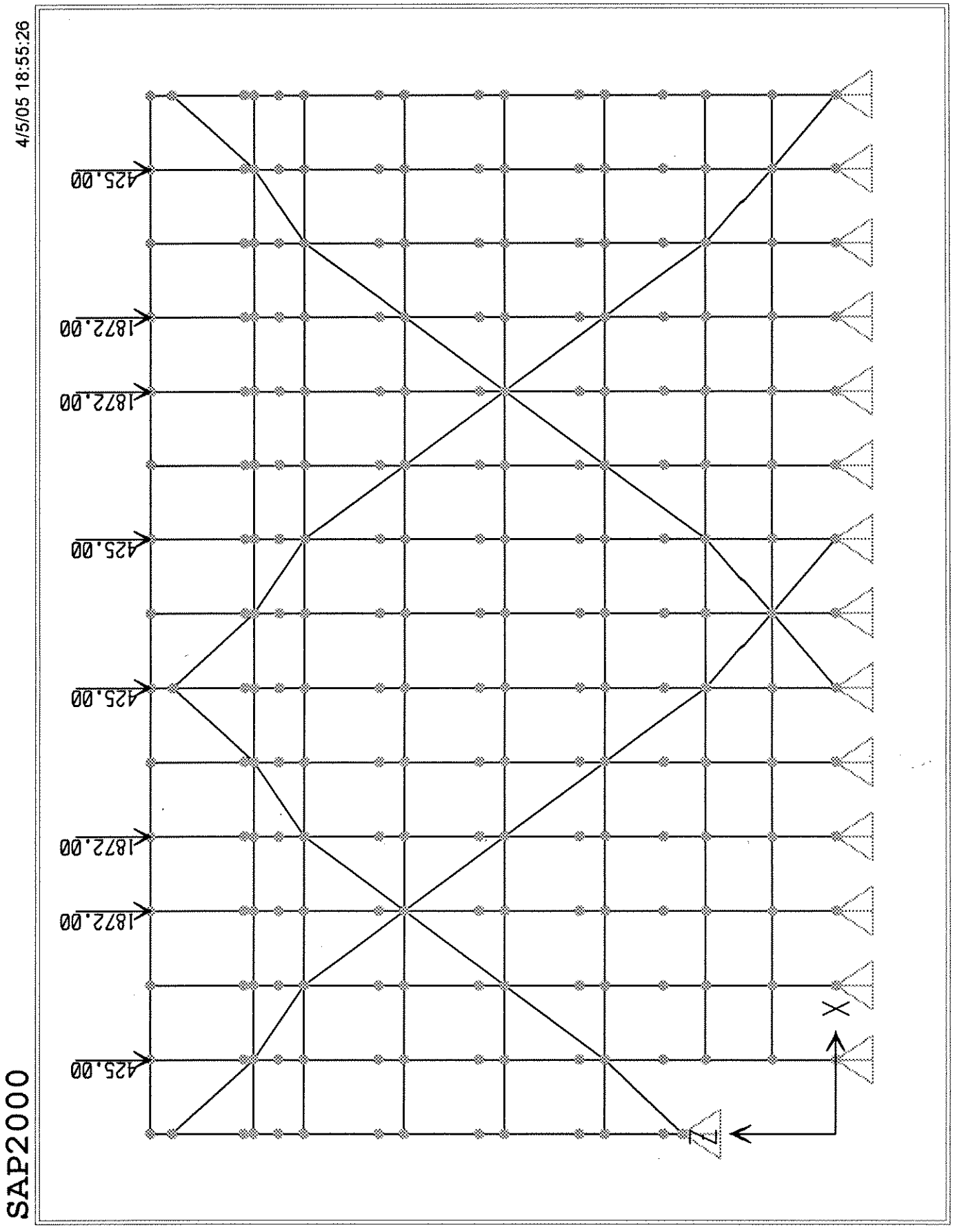
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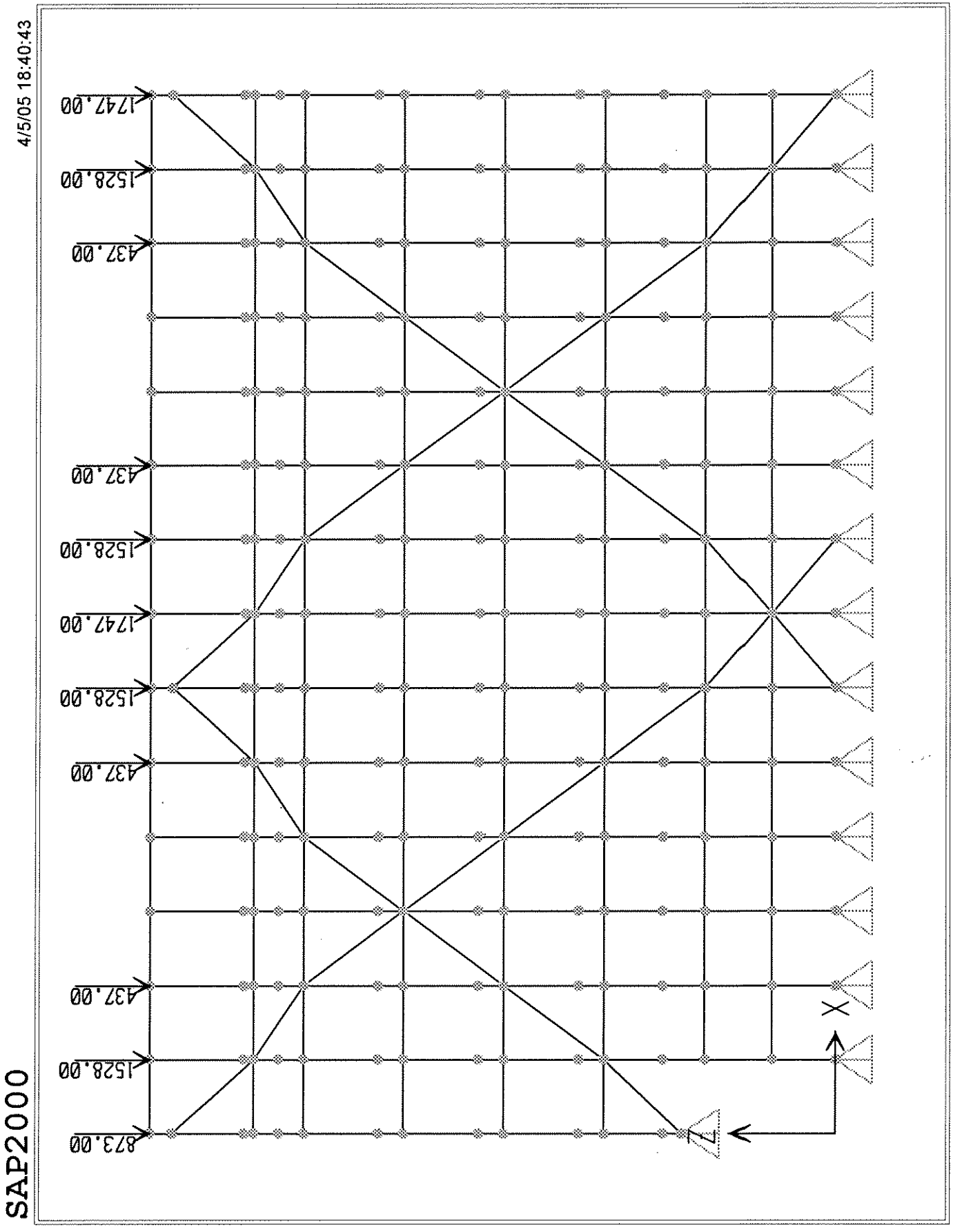
4/5/05 18:55:26
425.00
1872.00
1872.00
425.00
425.00
1872.00
1872.00
425.00
X
Y
SAP2000 v7.40 - File:Bent A Seismic - Joint Loads (FANMOTOR) - lb-in Units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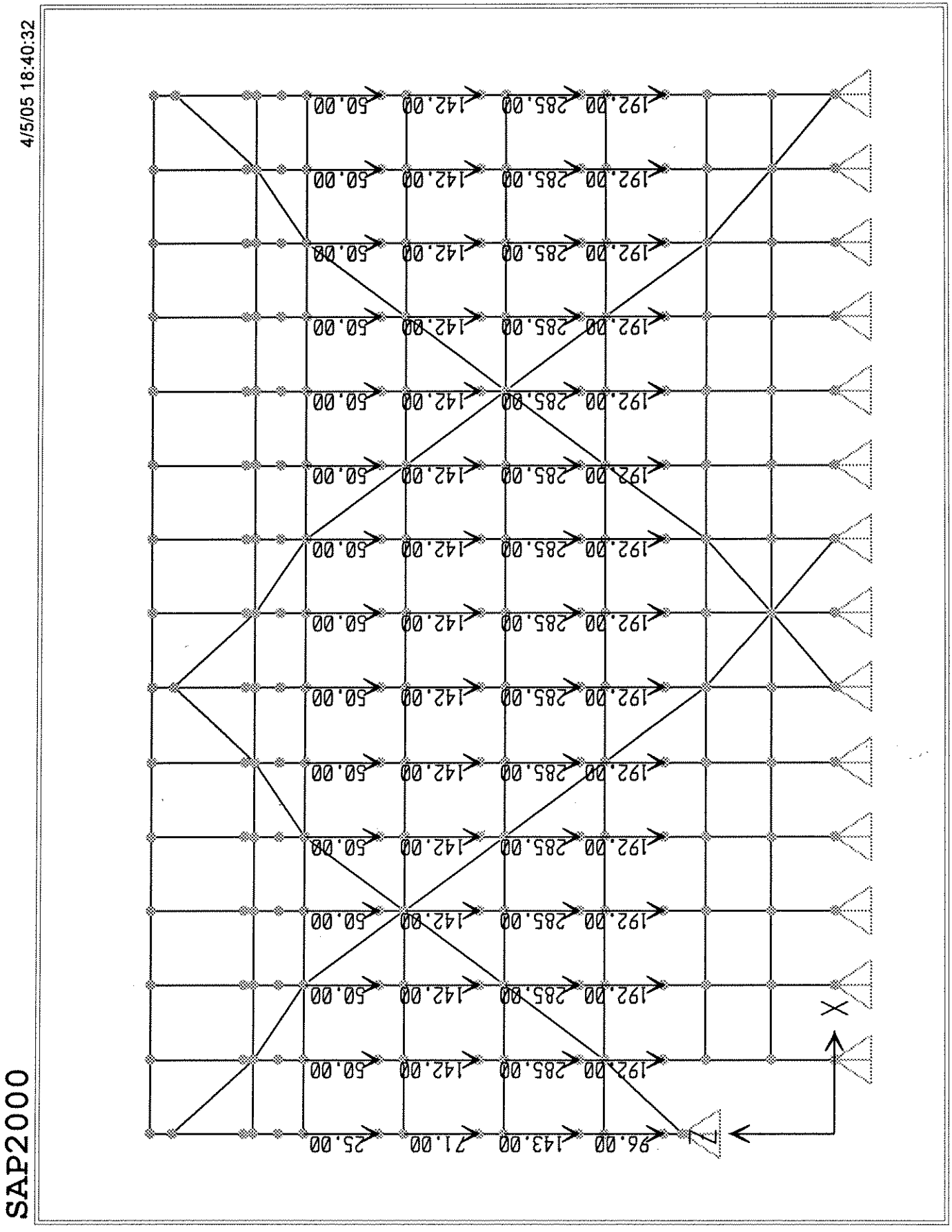
4/5/05 18:40:43
873.00
1528.00
437.00
437.00
1528.00
1747.00
1528.00
437.00
437.00
1528.00
1747.00
X
Z
SAP2000 v7.40 - File:Bent A Seismic - Joint Loads (TOPCOVER) - lb-in Units


SAP2000
4/5/05 18:40:32
192.00 285.00 142.00 50.00
96.00 143.00 71.00 25.00
X
Z
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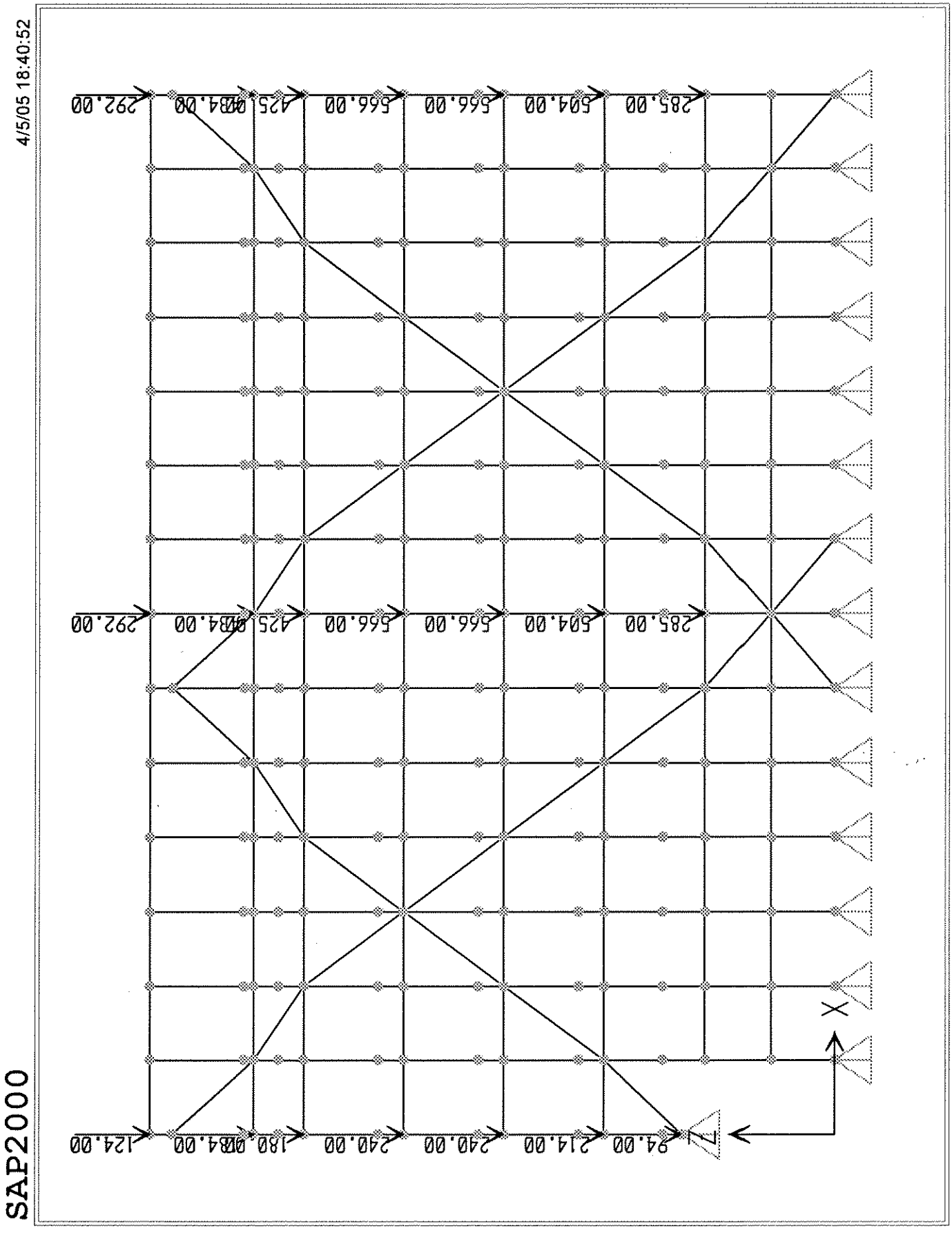
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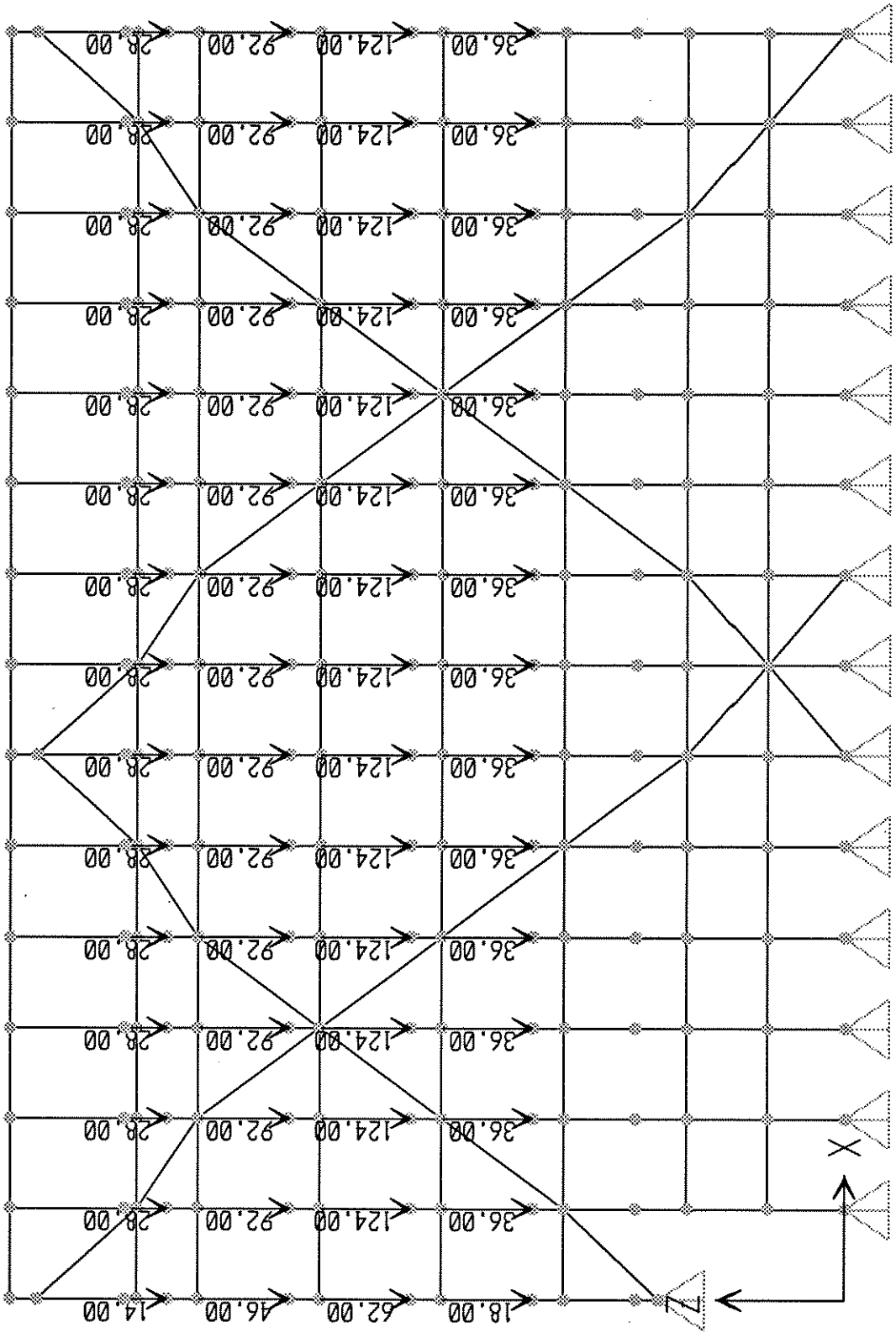
4/5/05 18:40:52
124.00
180.00
240.00
240.00
214.00
94.00
X
292.00
425.00
566.00
566.00
504.00
285.00
292.00
425.00
566.00
566.00
504.00
285.00
SAP2000 v7.40 - File:Bent A Seismic - Joint Loads (PEWALLS) - lb-in Units

4/5/05 18:41:04

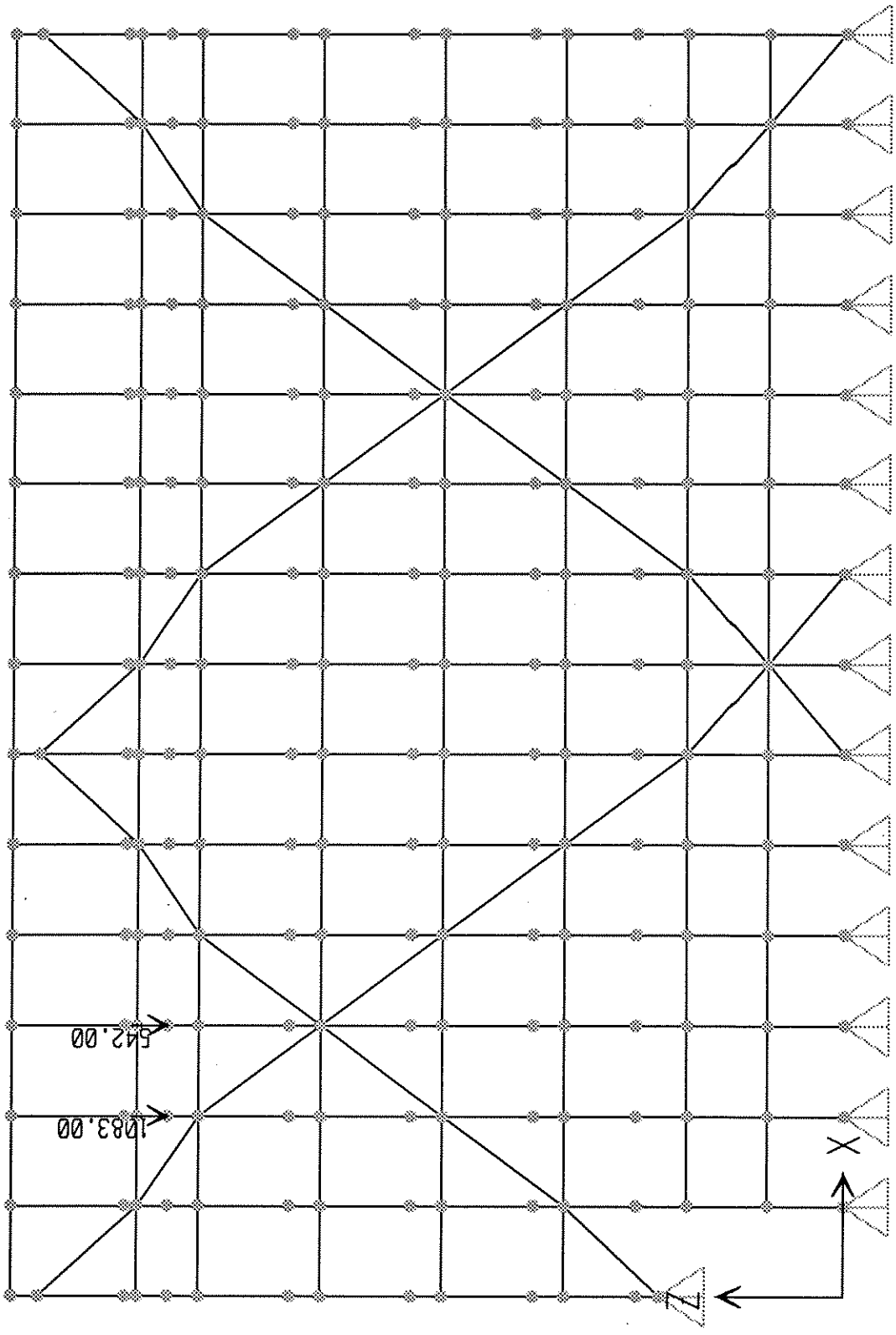
SAP2000



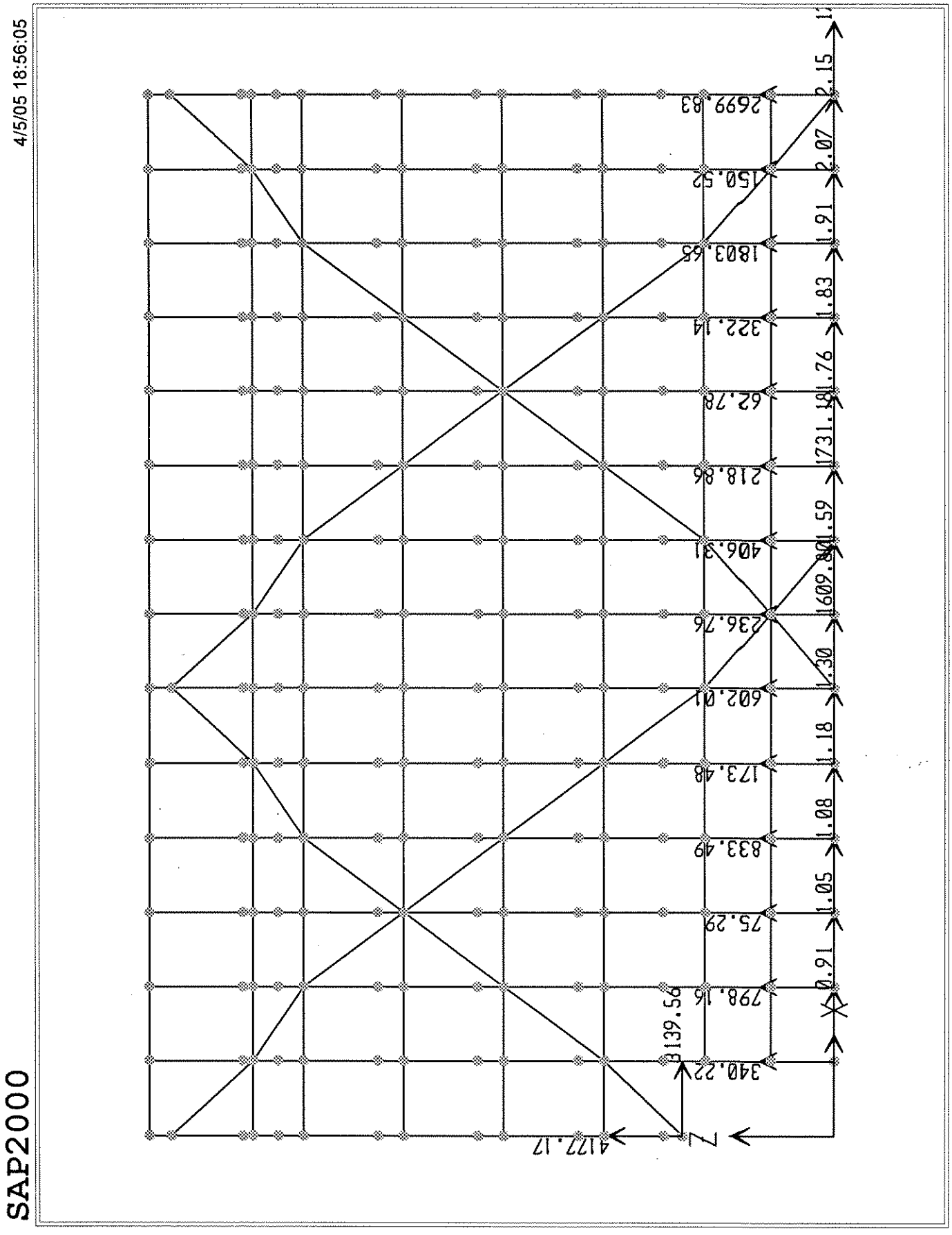
SAP2000 v7.40 - File:Bent A Seismic - Joint Loads (DRIFTELM) - lb-in Units

4/5/05 18:55:43

SAP2000



SAP2000 v7.40 - File:Bent A Seismic - Joint Loads (SECDIST) - lb-in Units


SAP2000
4/5/05 18:56:05
2699.83
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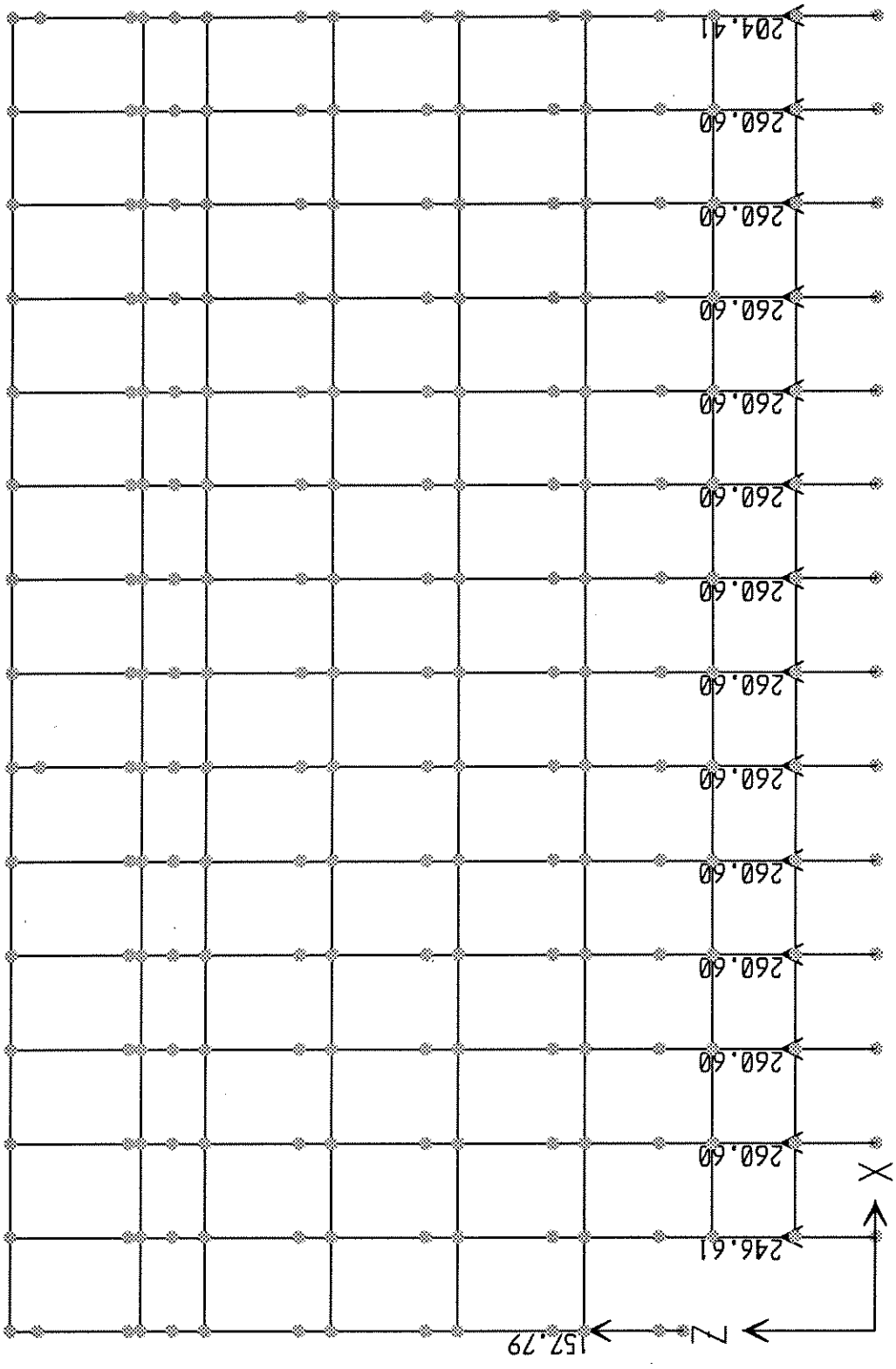
62.78
218.86
406.31
236.76
602.01
173.48
833.49
75.29
798.16
340.22
3139.56
4177.17
2.15
2.07
1.91
1.83
1.76
1.59
1.30
1.18
1.08
1.05
0.91
SAP2000 v7.40 - File:Bent A Seismic - Restraint Reactions (HORIZ) - lb-in Units

4/5/05 18:56:23

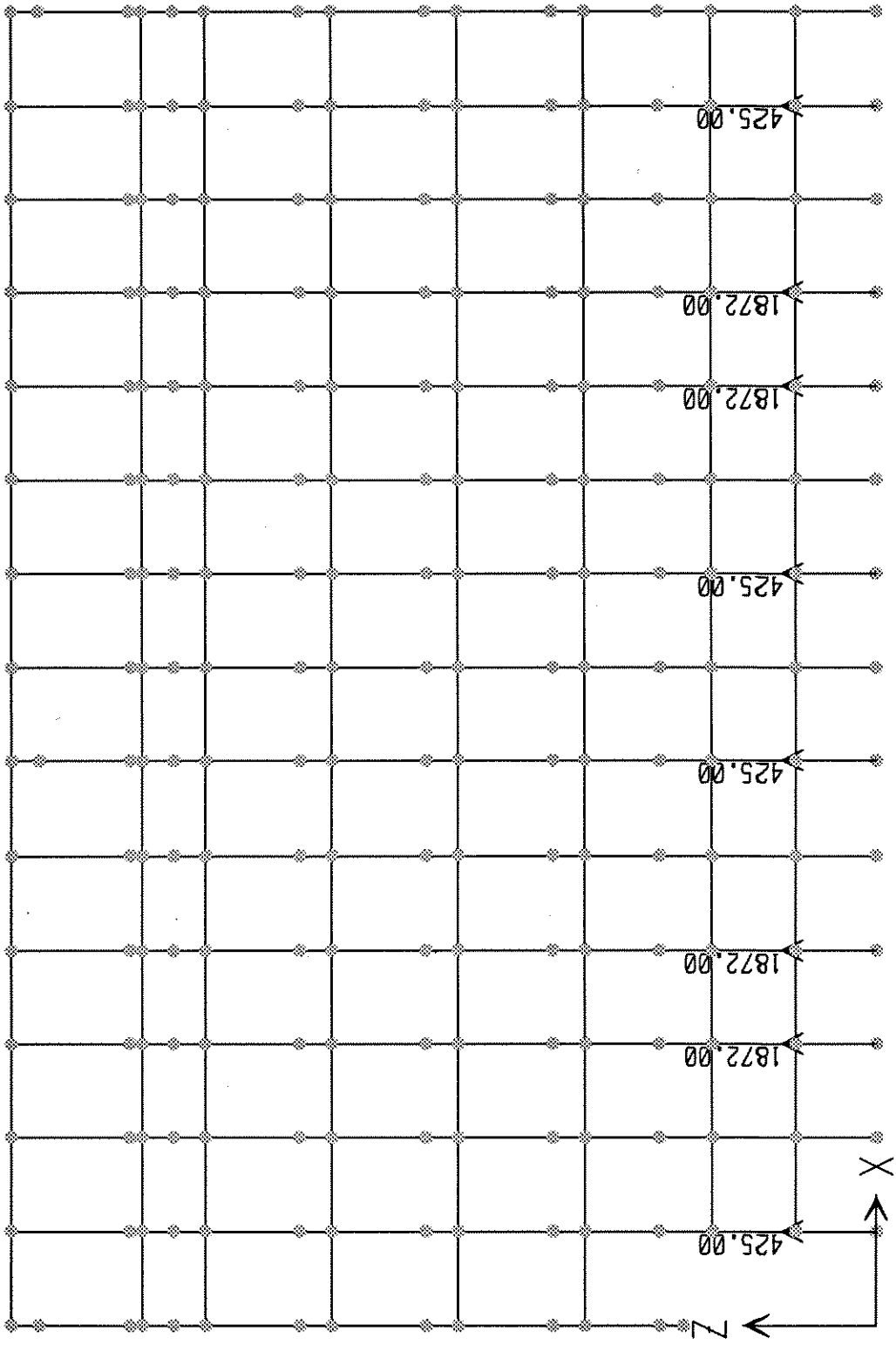
SAP2000



SAP2000 v7.40 - File:Bent A DL - Restraint Reactions (DEAD) - lb-in Units

4/5/05 18:57:21

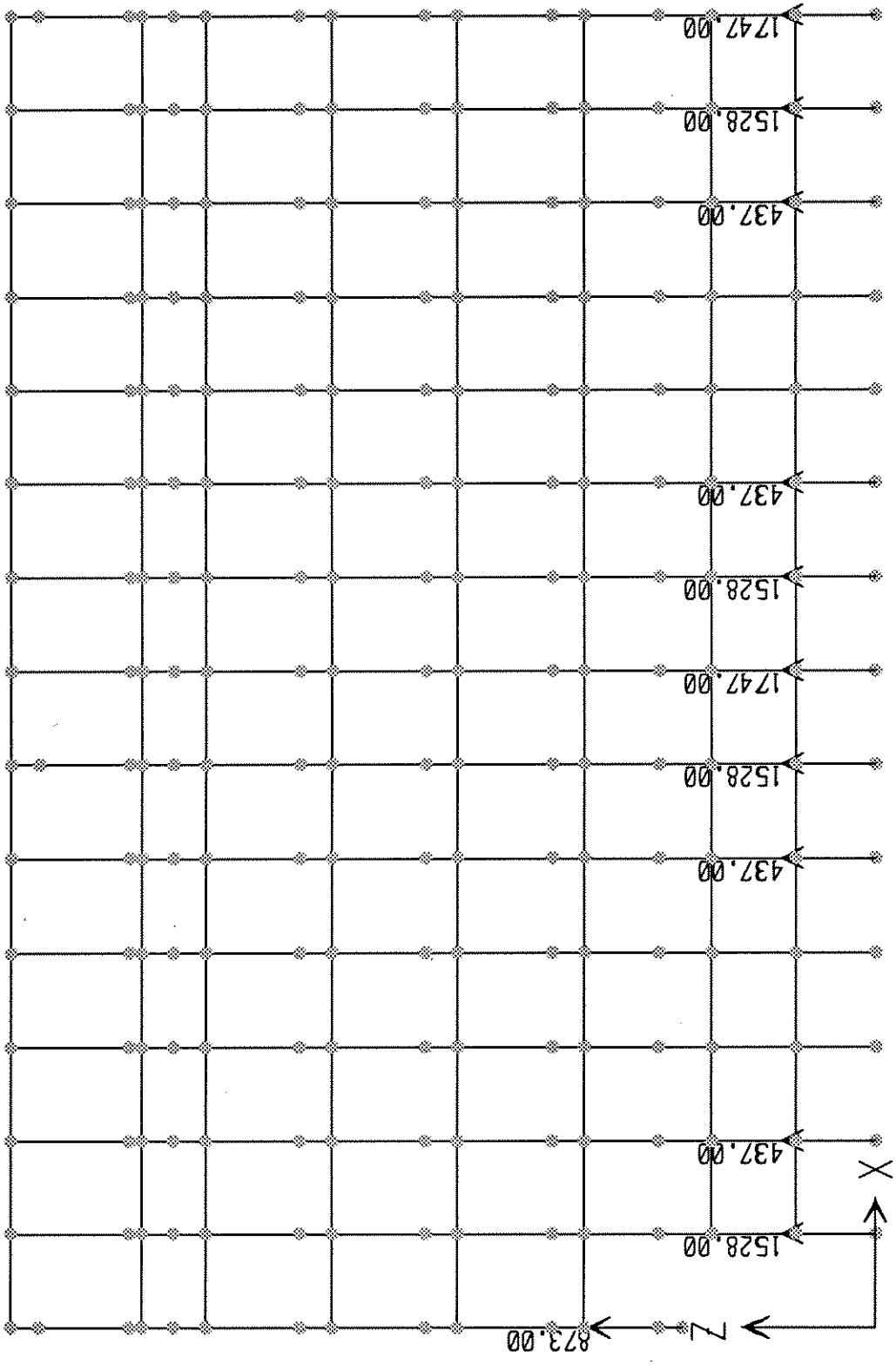
SAP2000



SAP2000 v7.40 - File:Bent A DL - Restraint Reactions (FANMOTOR) - lb-in Units

4/5/05 18:56:54

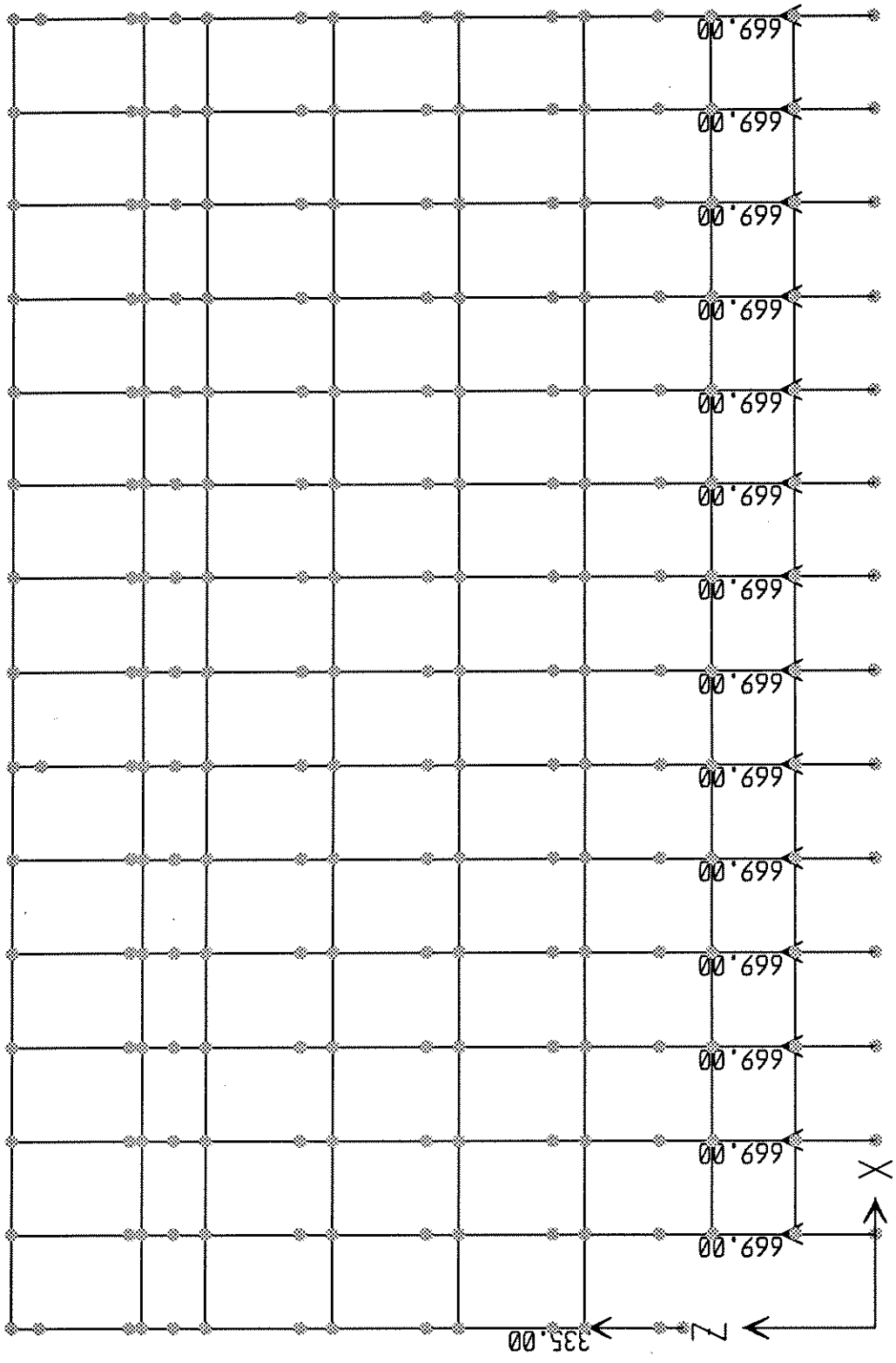
SAP2000



SAP2000 v7.40 - File:Bent A DL - Restraint Reactions (TOPCOVER) - lb-in Units

4/5/05 18:56:46

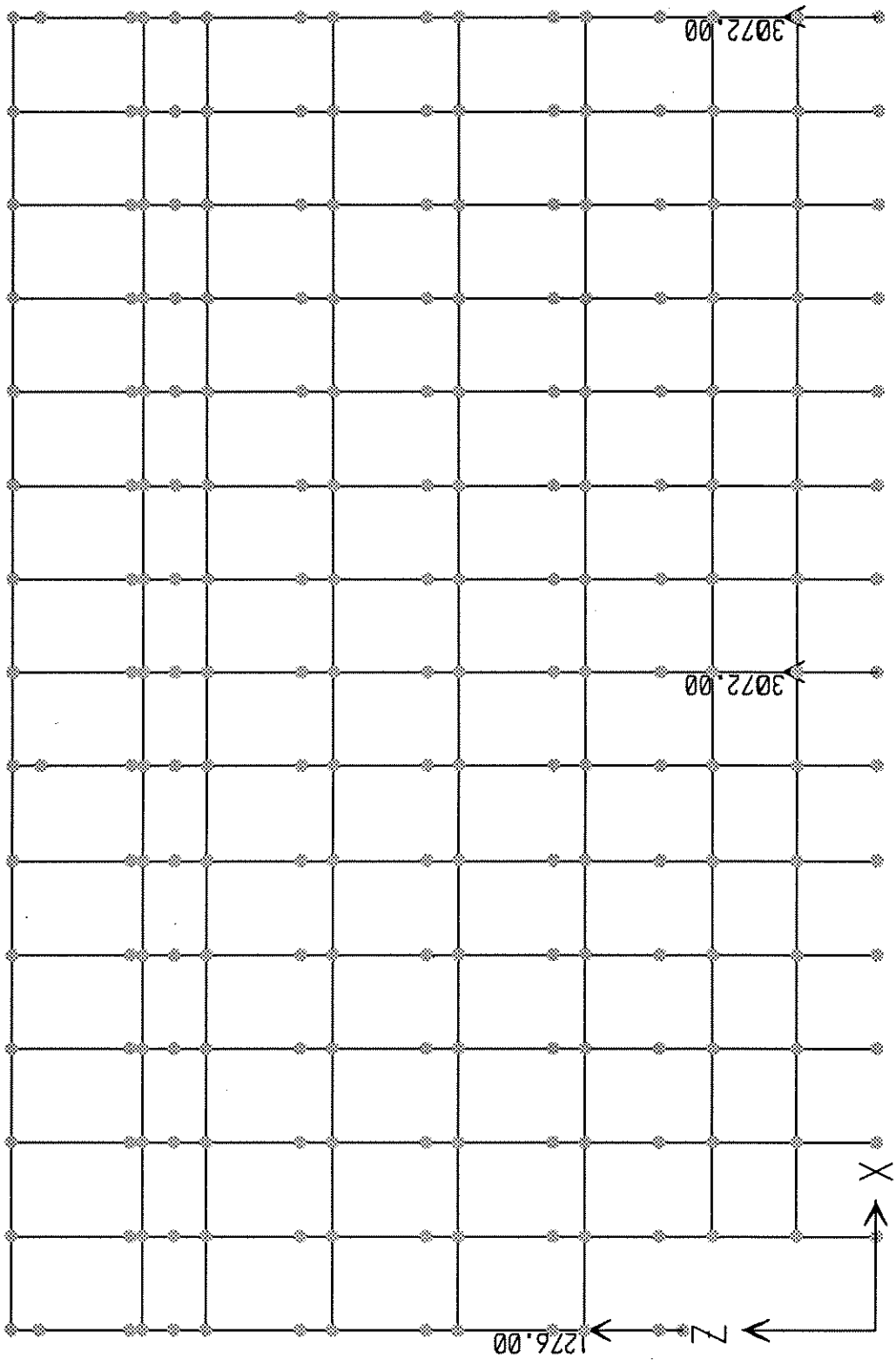
SAP2000



SAP2000 v7.40 - File:Bent A DL - Restraint Reactions (TBAR) - lb-in Units

4/5/05 18:57:02

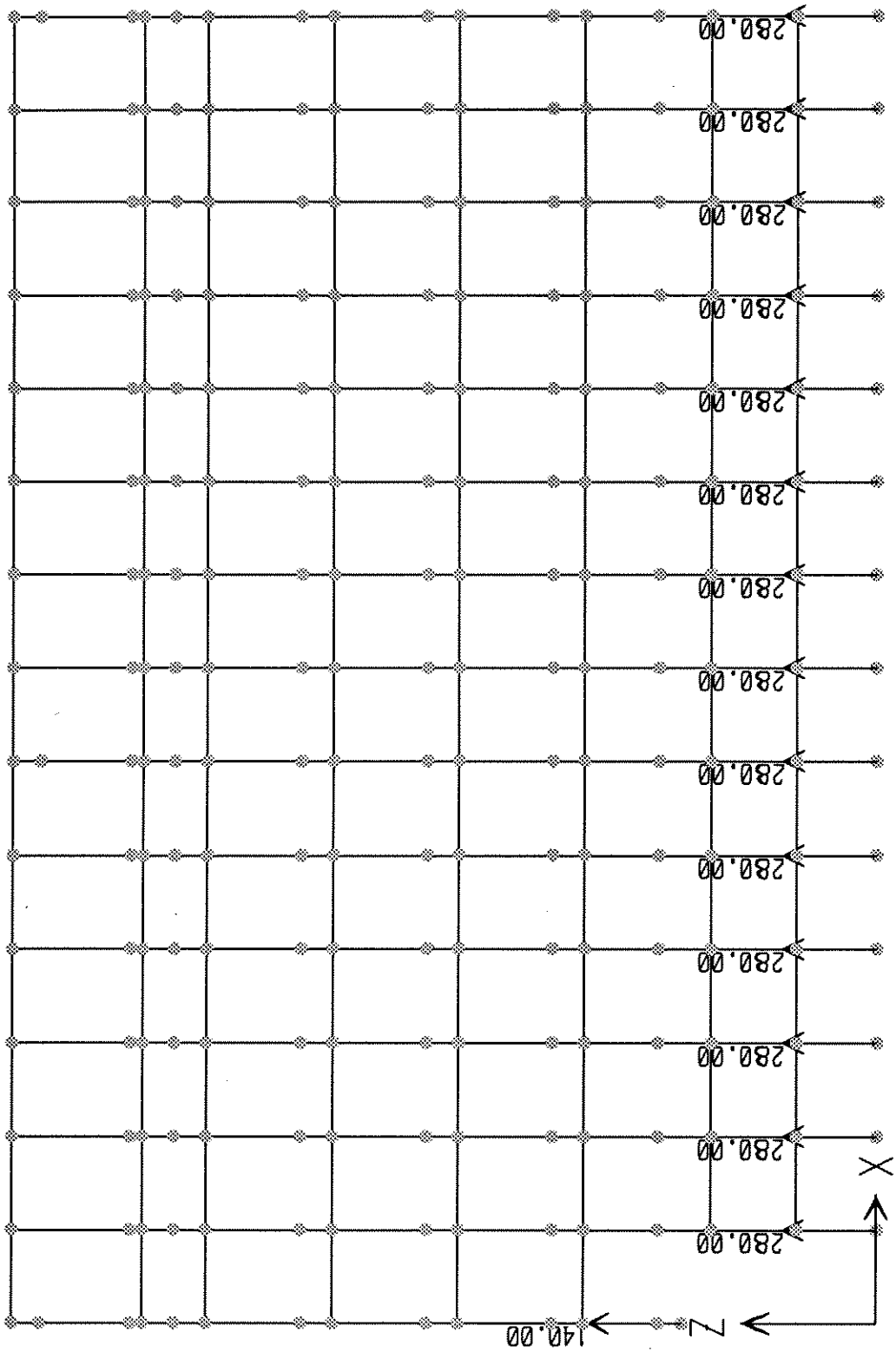
SAP2000



SAP2000 v7.40 - File:Bent A DL - Restraint Reactions (PEWALLS) - lb-in Units

4/5/05 18:57:14

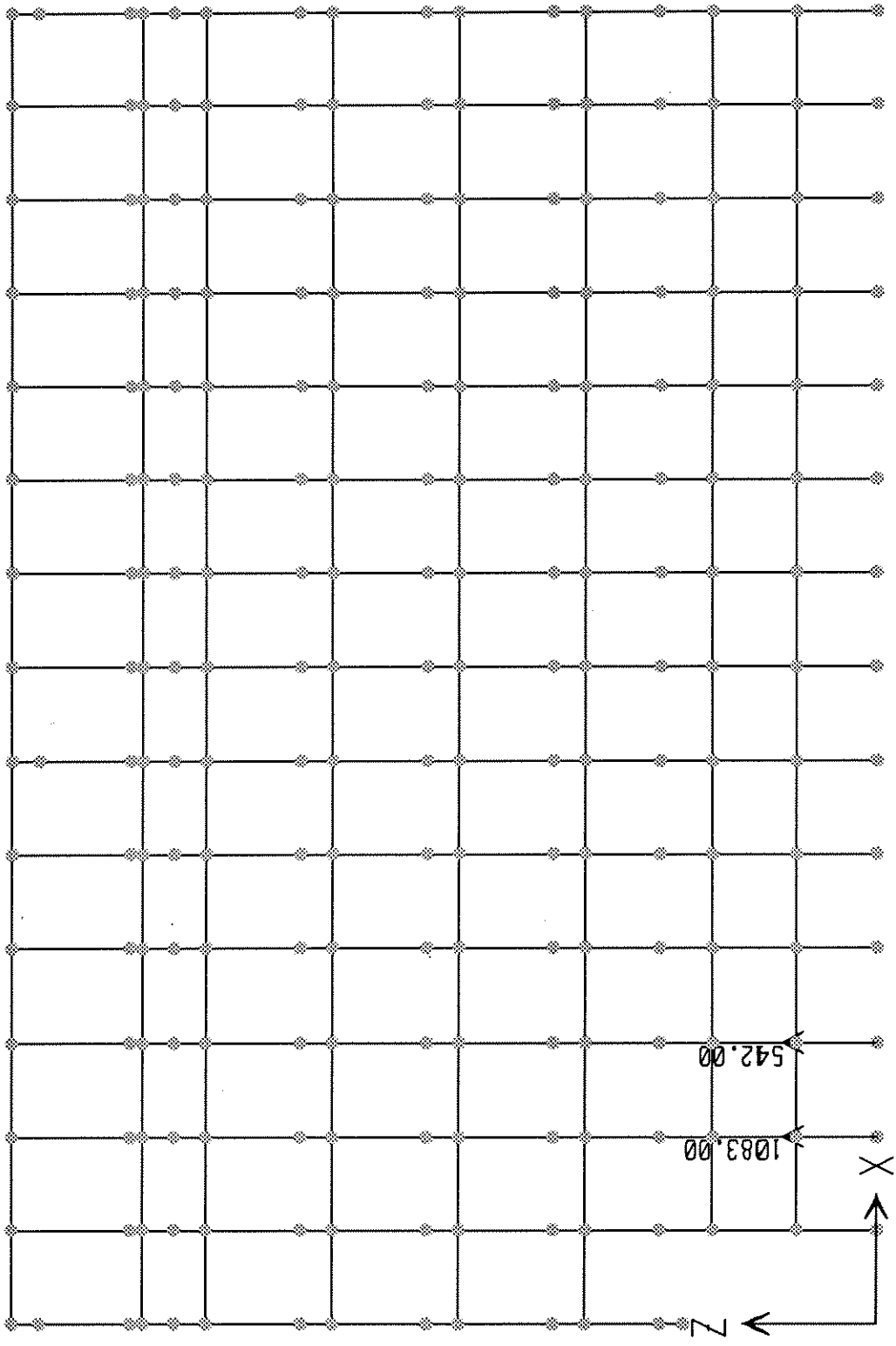
SAP2000



SAP2000 v7.40 - File:Bent A DL - Restraint Reactions (DRIFTELM) - lb-in Units

4/5/05 18:57:36

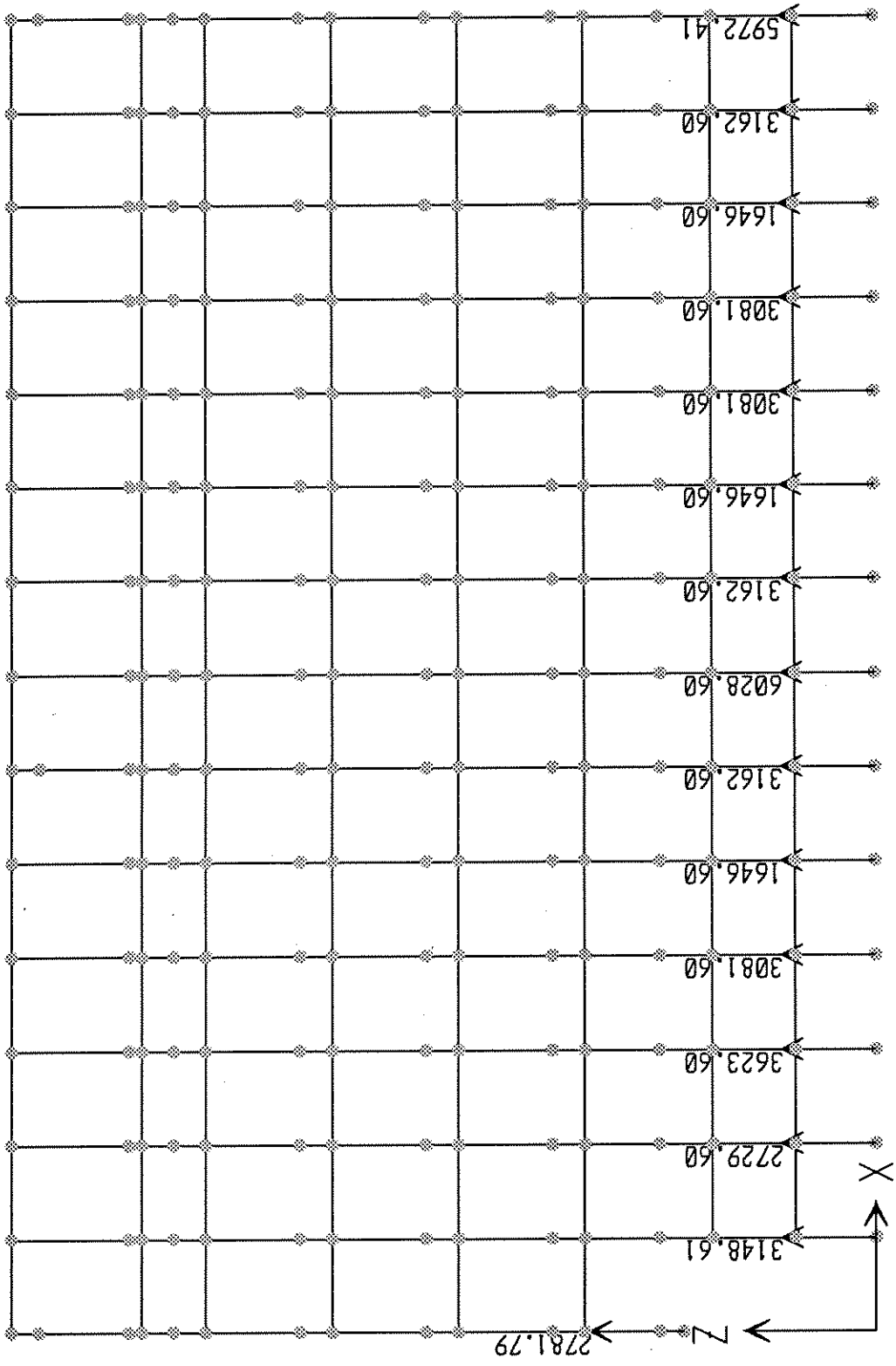
SAP2000



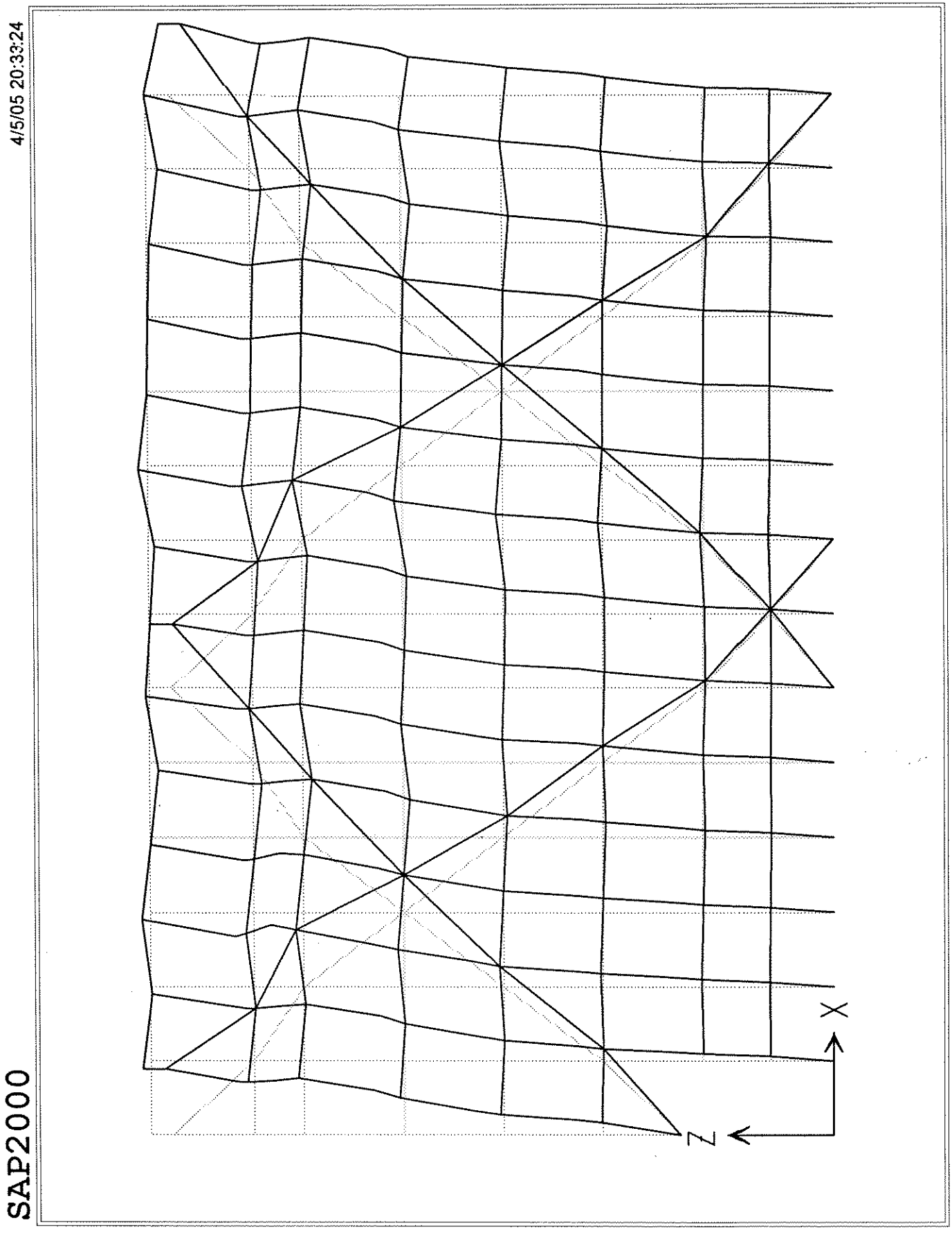
SAP2000 v7.40 - File:Bent A DL - Restraint Reactions (SECDIST) - lb-in Units

4/5/05 18:57:43

SAP2000



SAP2000 v7.40 - File:Bent A DL - Restraint Reactions - (DEADLOAD) - lb-in Units


SAP2000
4/5/05 20:33:24
X
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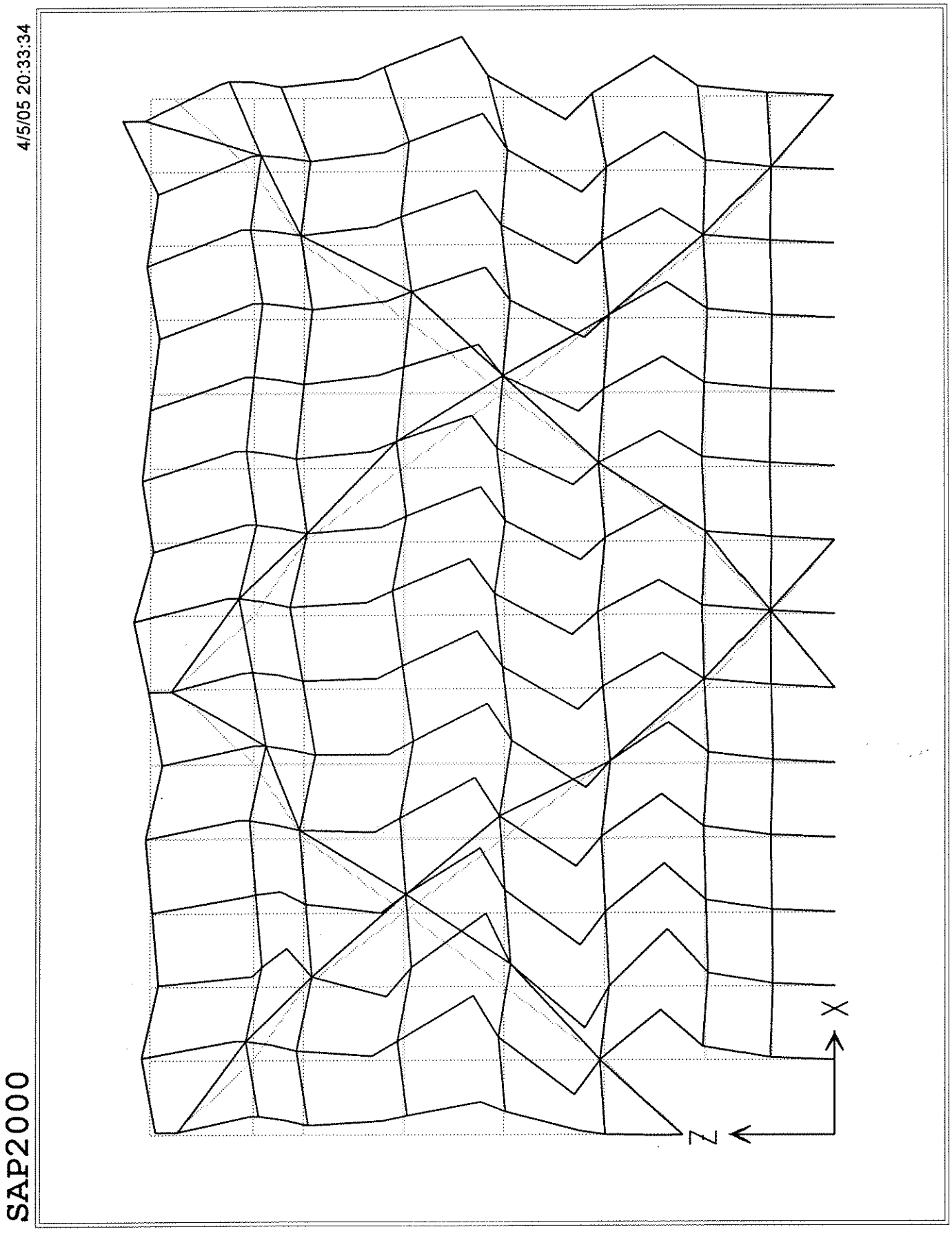
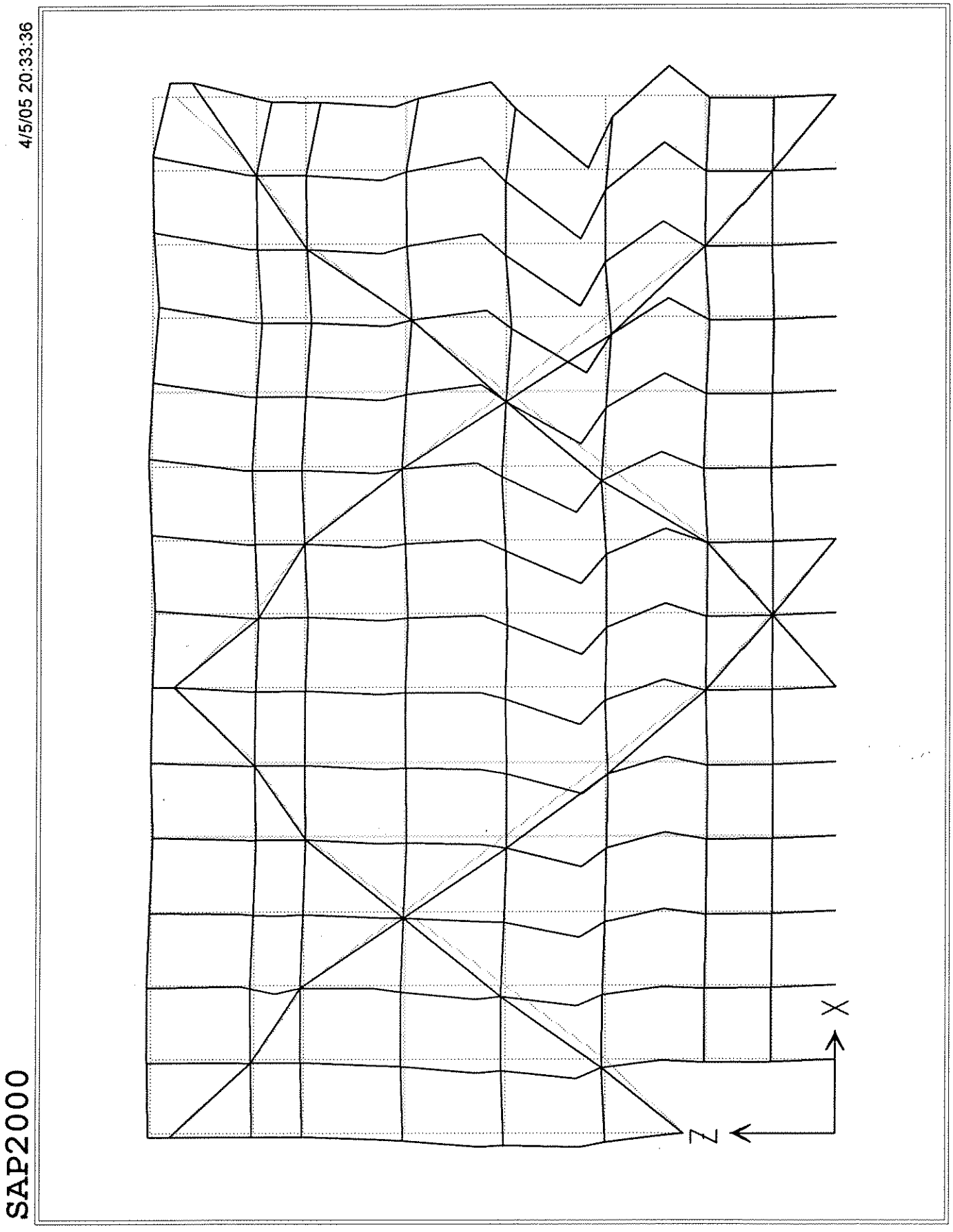
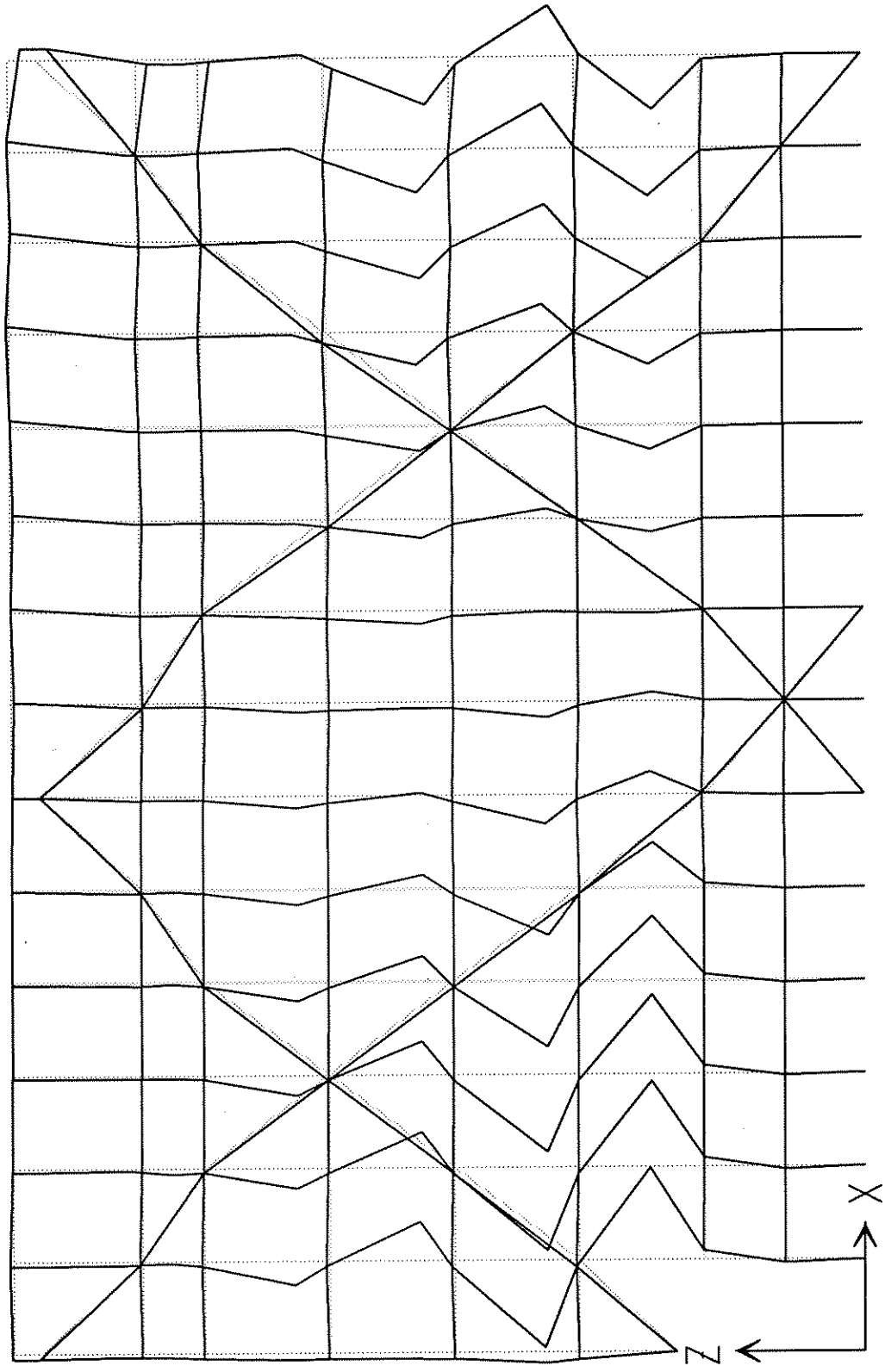
SAP2000 v7.40 - File:Bent A Seismic - Mode 1 Period 0.3042 seconds - lb-in Units


SAP2000
4/5/05 20:33:34
Z
X
SAP2000 v7.40 - File:Bent A Seismic - Mode 2 Period 0.1335 seconds - lb-in Units


SAP2000
4/5/05 20:33:36
Z
X
SAP2000 v7.40 - File:Bent A Seismic - Mode 3 Period 0.1305 seconds - lb-in Units

4/5/05 20:33:38

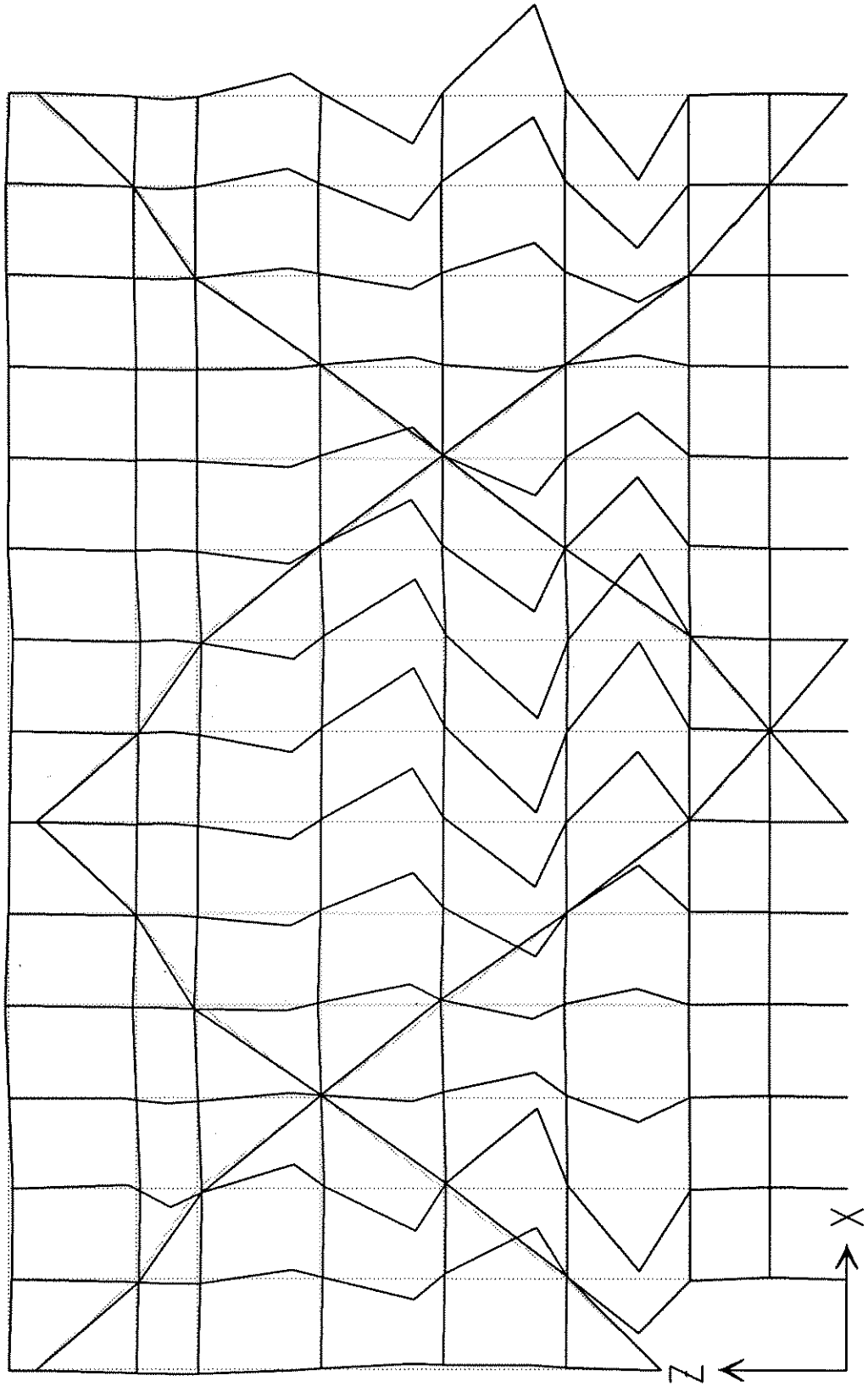
SAP2000



SAP2000 v7.40 - File:Bent A Seismic - Mode 4 Period 0.1275 seconds - lb-in Units

SAP2000

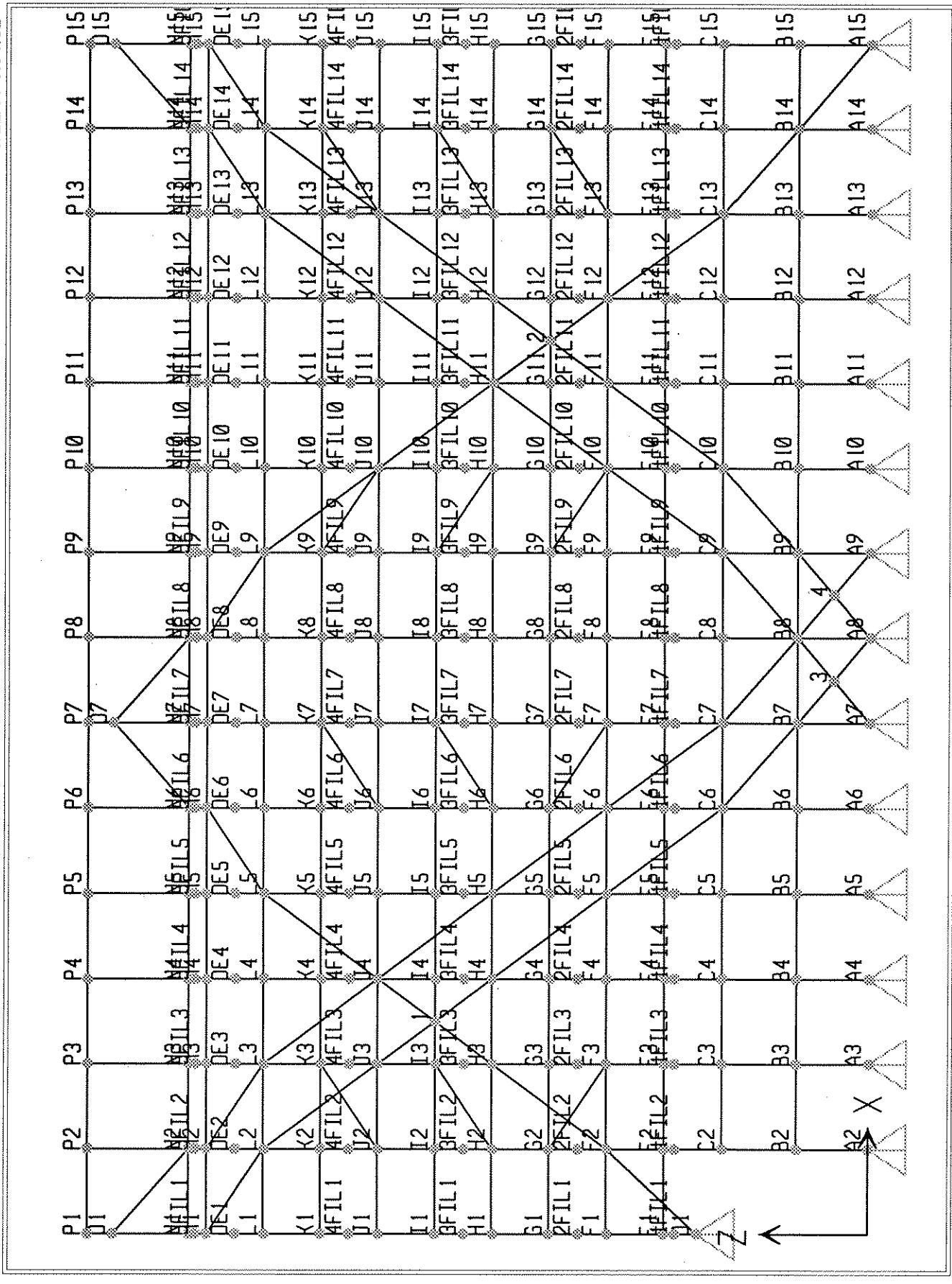
4/5/05 20:33:40



SAP2000 v7.40 - File:Bent A Seismic - Mode 5 Period 0.1248 seconds - lb-in Units

SAP2000

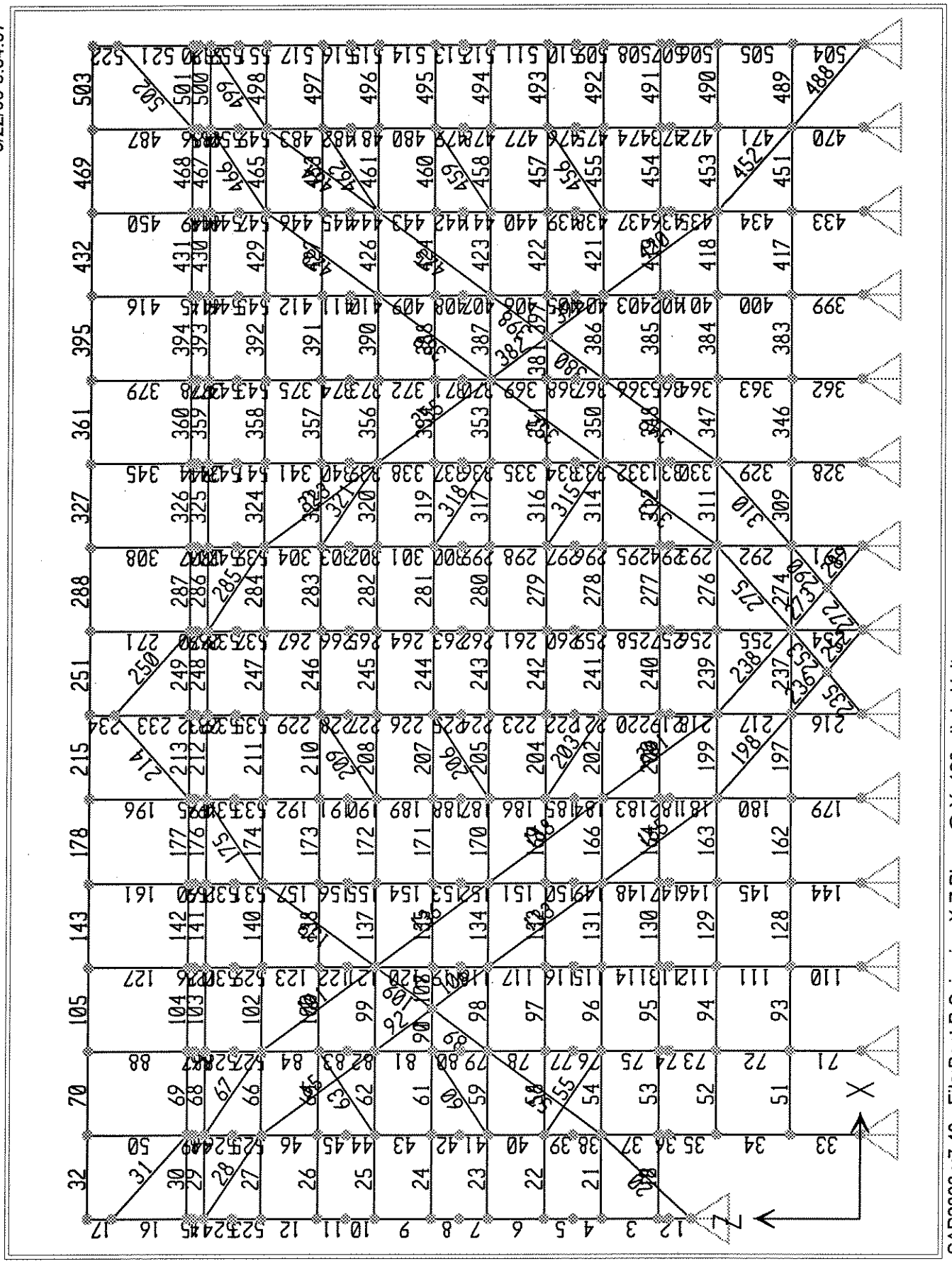
3/22/05 8:54:52



SAP2000 v7.40 - File:Bent B Seismic - X-Z Plane @ Y=120 - lb-in Units

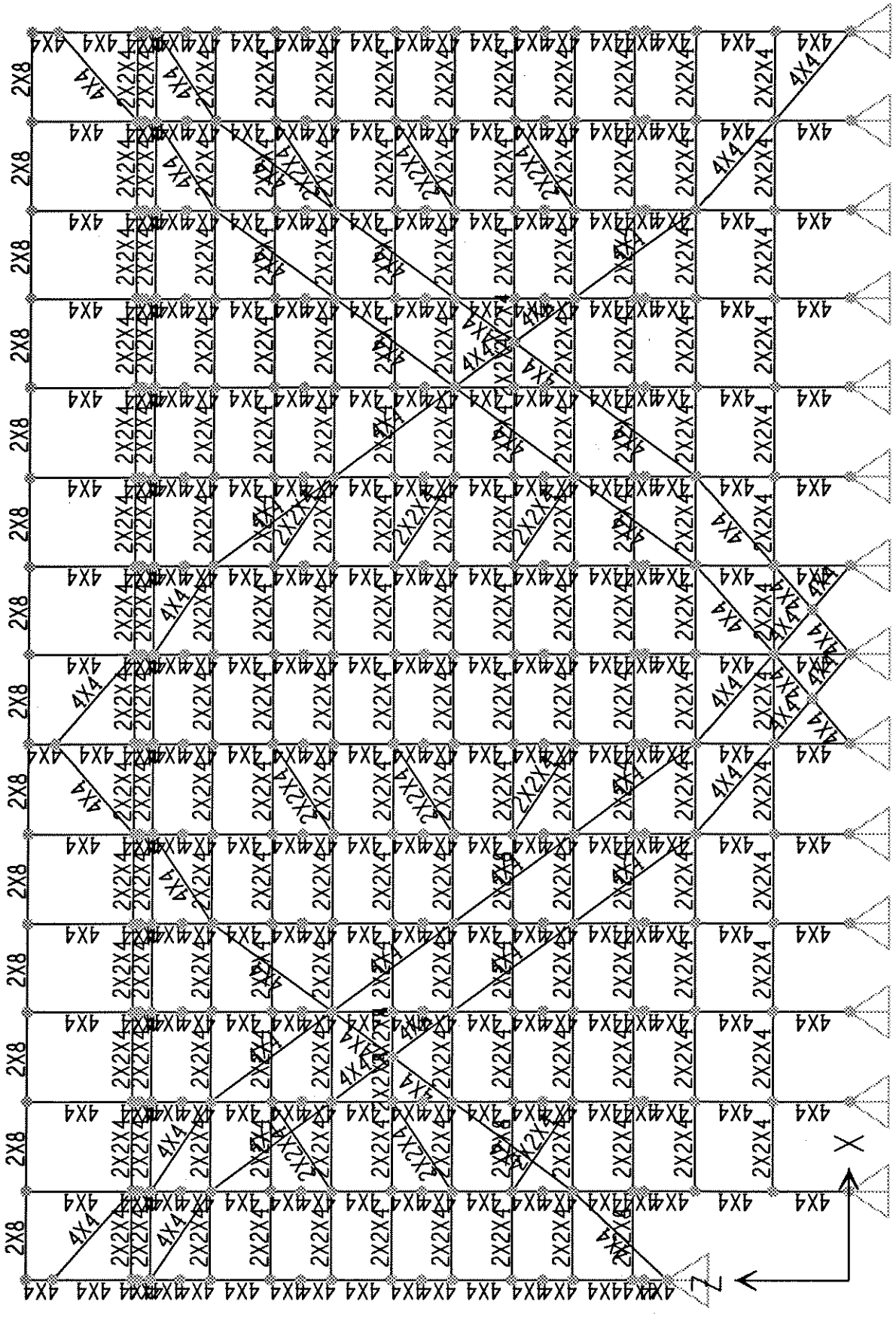
3/22/05 8:54:57

SAP2000



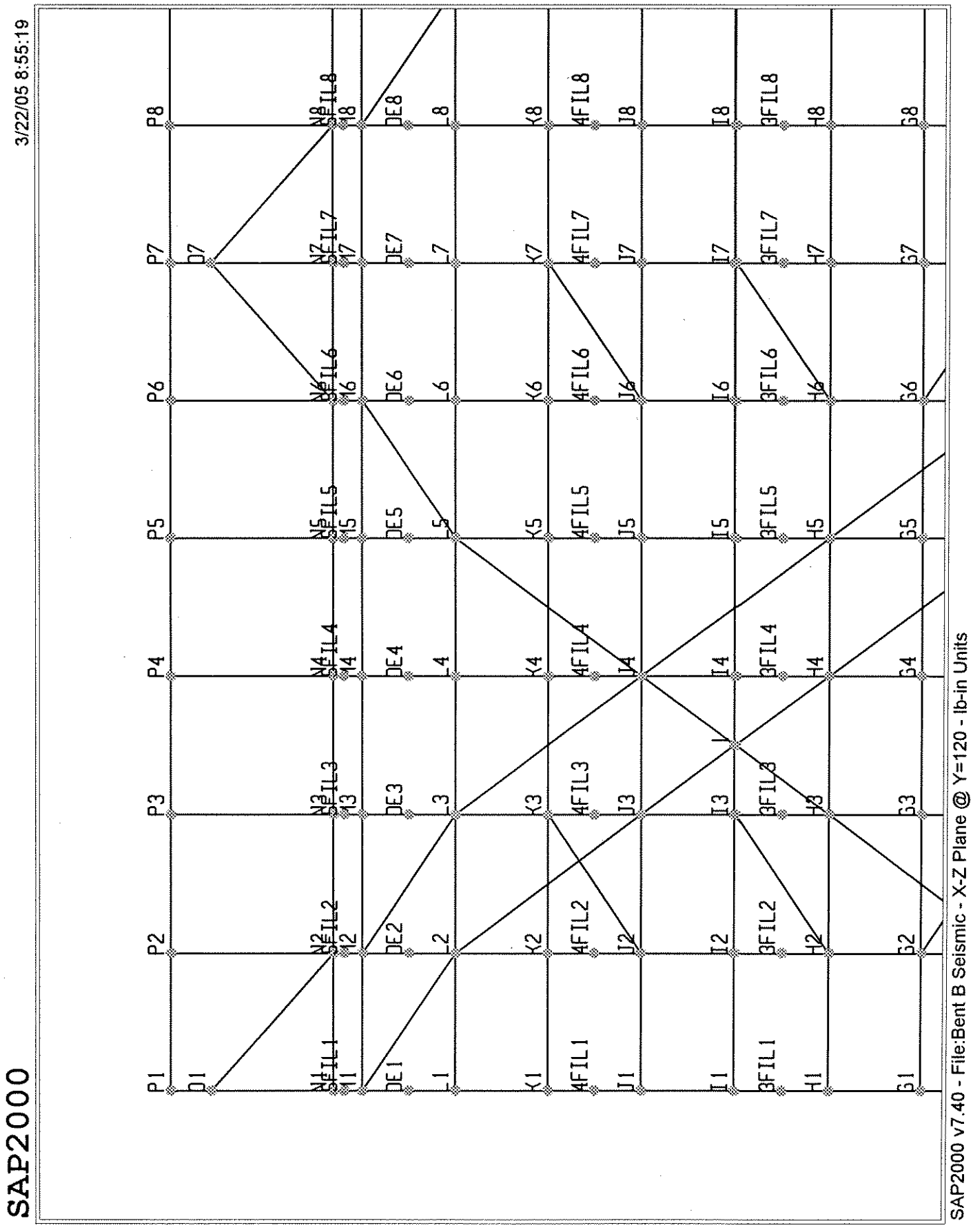
SAP2000 v7.40 - File:Bent B Seismic - X-Z Plane @ Y=120 - lb-in Units

3/22/05 8:55:03



SAP2000

SAP2000 v7.40 - File:Bent B Seismic - X-Z Plane @ Y=120 - lb-in Units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3/22/05 8:55:19
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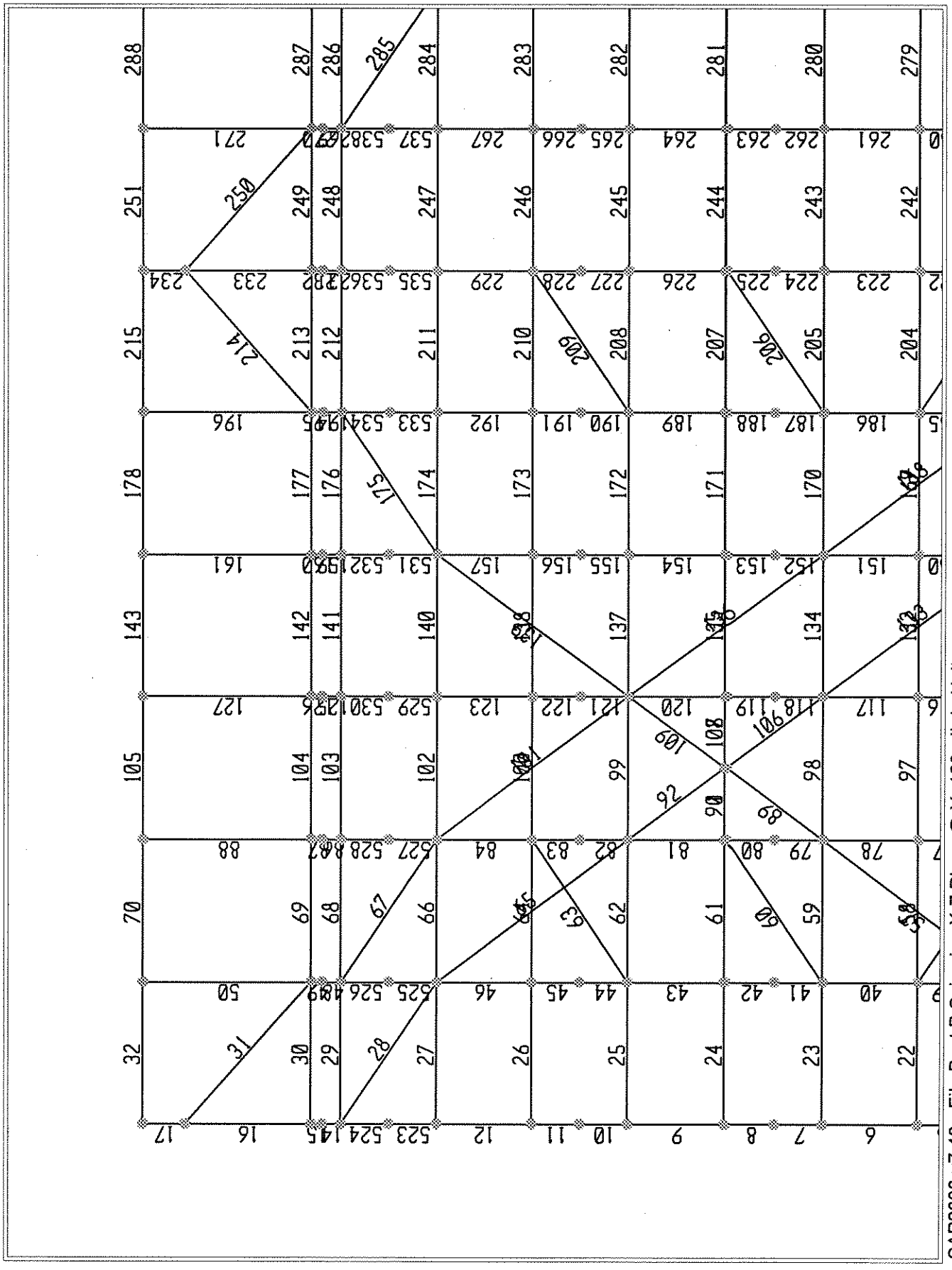
P2
P3
P4
P5
P6
P7
P8
D1
D7
N1
N2
N3
N4
N5
N6
N7
N8
3FIL1
3FIL2
3FIL3
3FIL4
3FIL5
3FIL6
3FIL7
3FIL8
I1
I2
I3
I4
I5
I6
I7
I8
H1
H2
H3
H4
H5
H6
H7
H8
G1
G2
G3
G4
G5
G6
G7
G8
DE1
DE2
DE3
DE4
DE5
DE6
DE7
DE8
L1
L2
L3
L4
L5
L6
L7
L8
K1
K2
K3
K4
K5
K6
K7
K8
4FIL1
4FIL2
4FIL3
4FIL4
4FIL5
4FIL6
4FIL7
4FIL8
J1
J2
J3
J4
J5
J6
J7
J8
SAP2000 v7.40 - File:Bent B Seismic - X-Z Plane @ Y=120 - lb-in Units

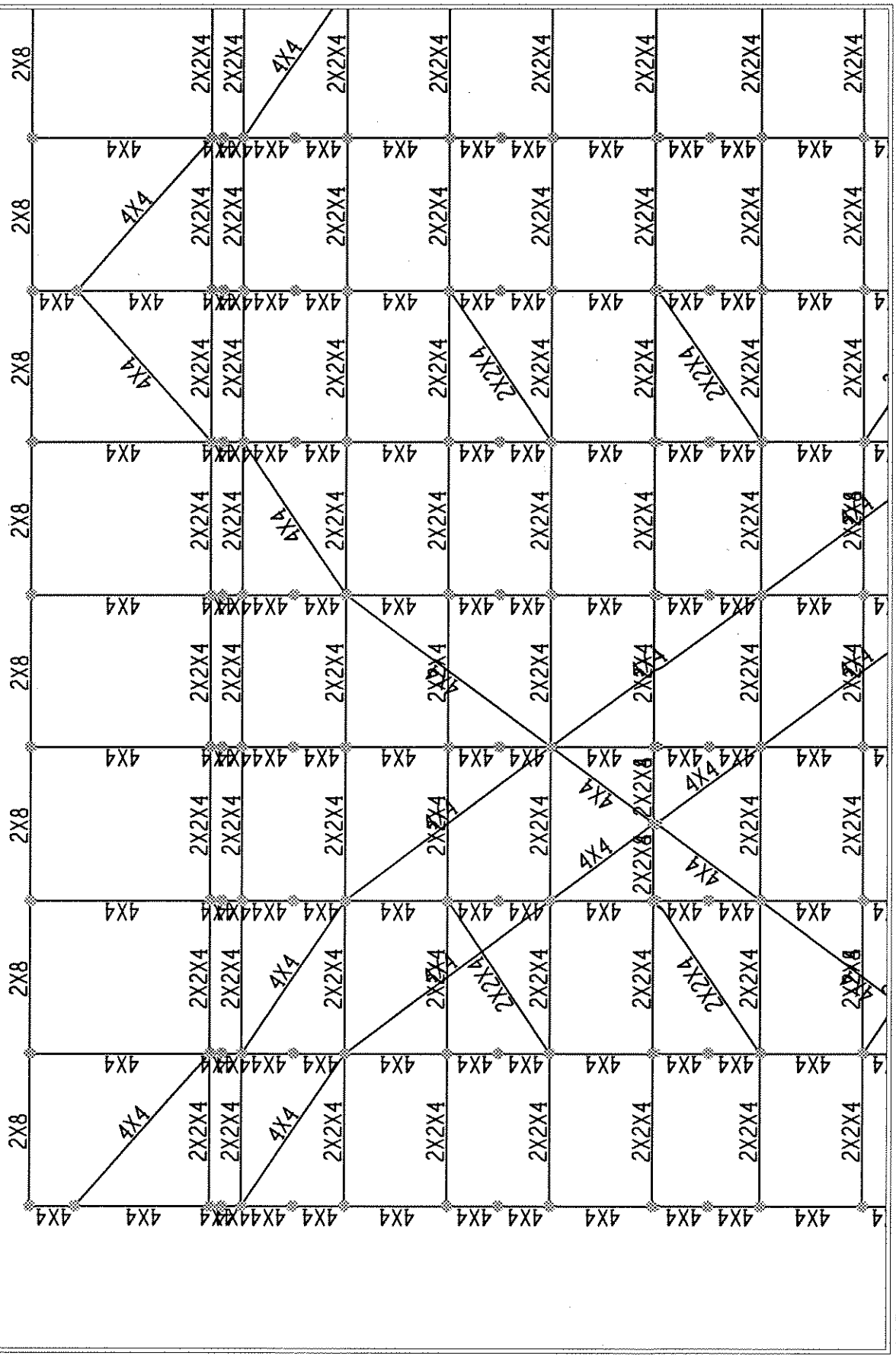
3/22/05 8:55:24



SAP2000 v7.40 - File:Bent B Seismic - X-Z Plane @ Y=120 - lb-in Units

3/22/05 8:55:31

SAP2000

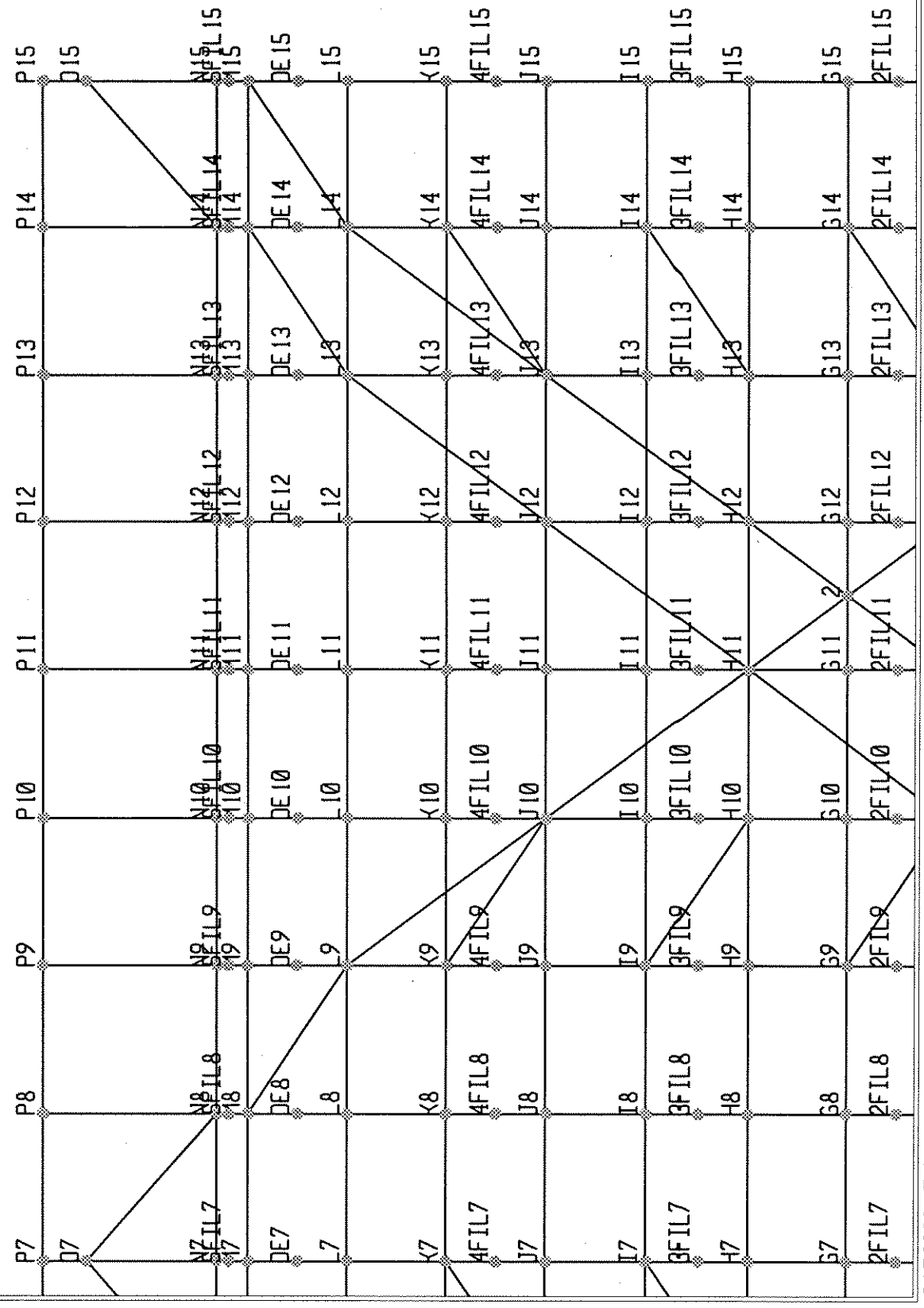


SAP2000 v7.40 - File:Bent B Seismic - X-Z Plane @ Y=120 - lb-in Units

REV. 1

SAP2000

3/22/05 8:56:02

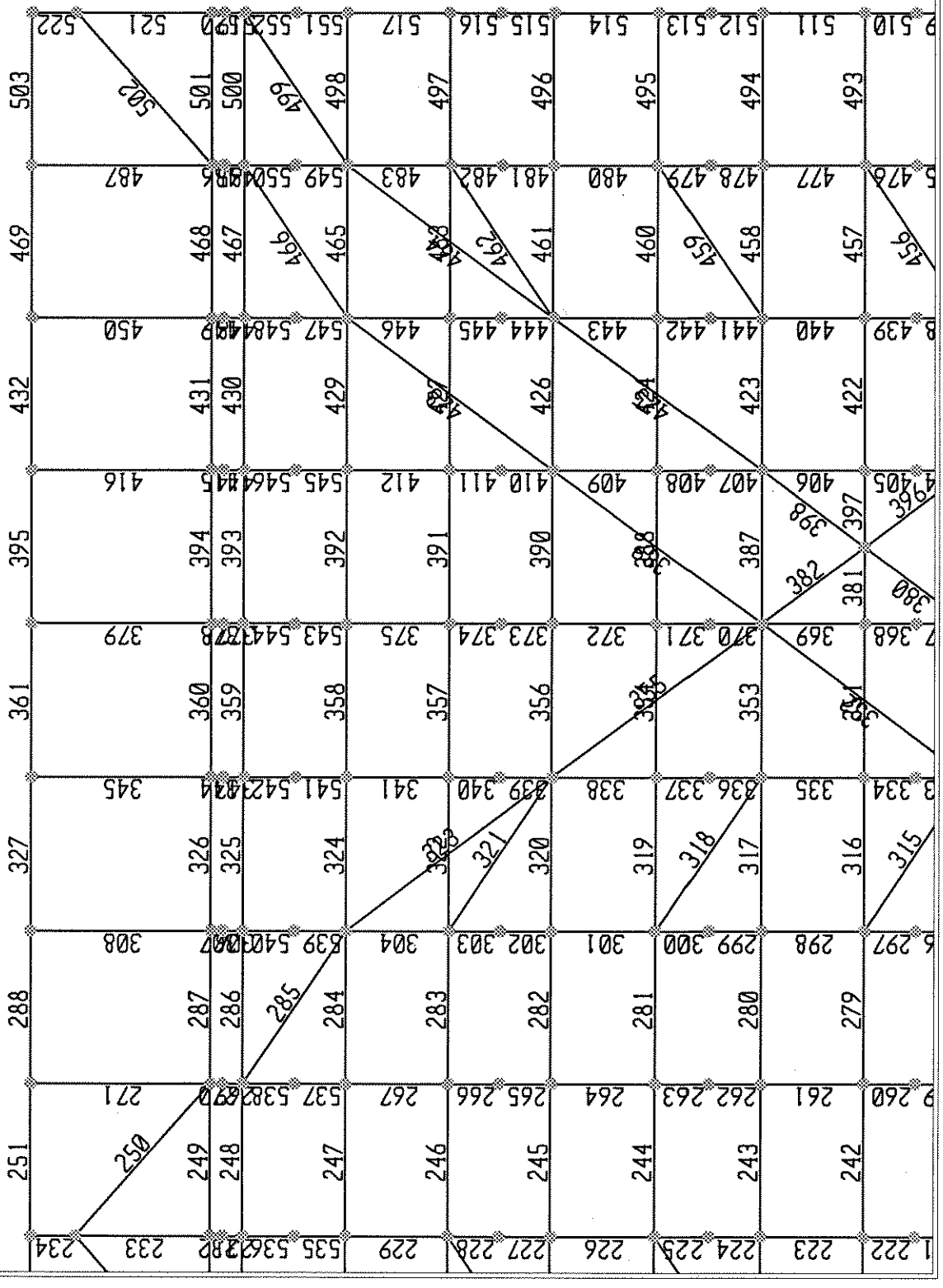


SAP2000 v7.40 - File:Bent B Seismic - X-Z Plane @ Y=120 - lb-in Units

REV. 1

3/22/05 8:56:07

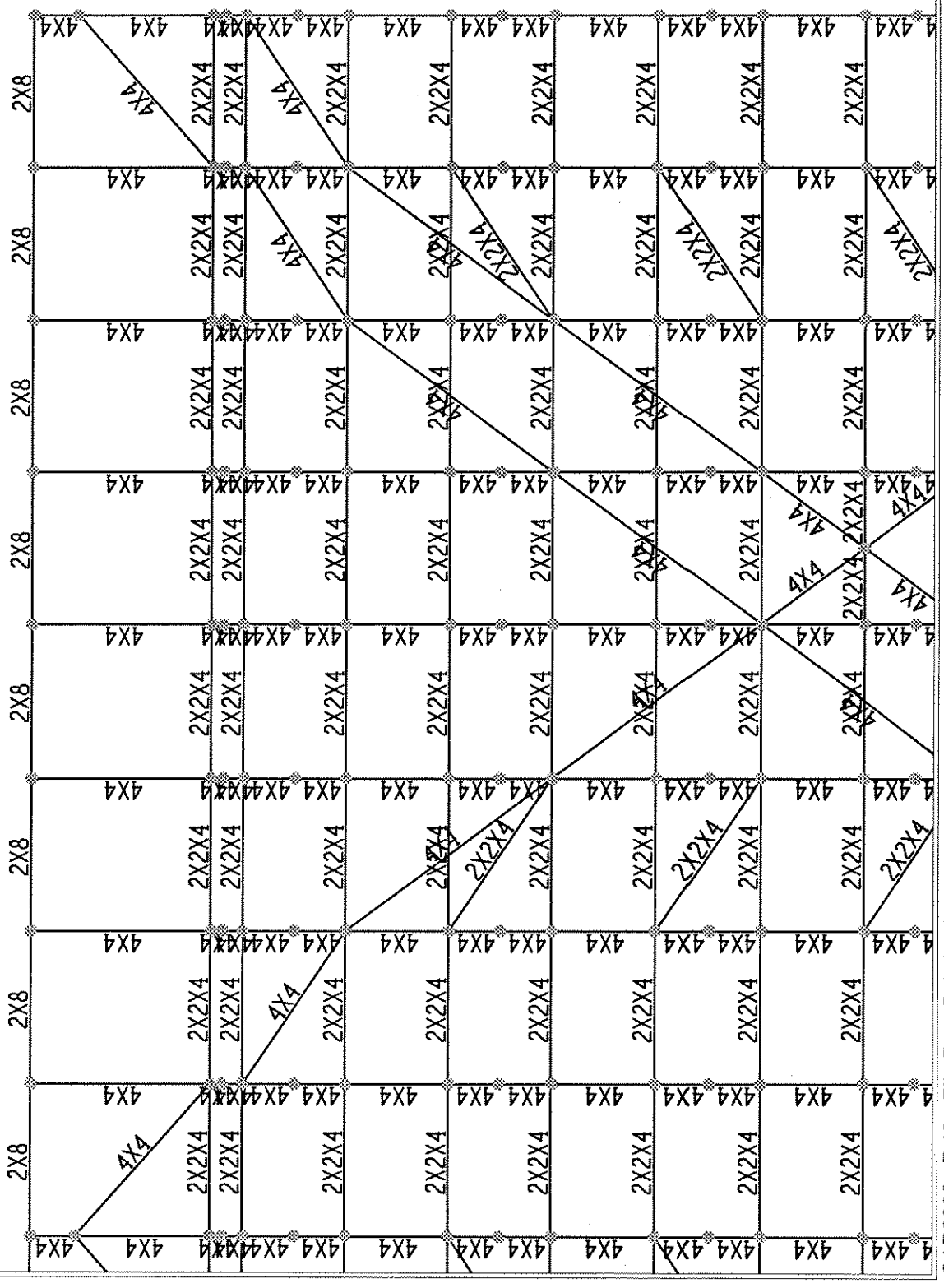
SAP2000



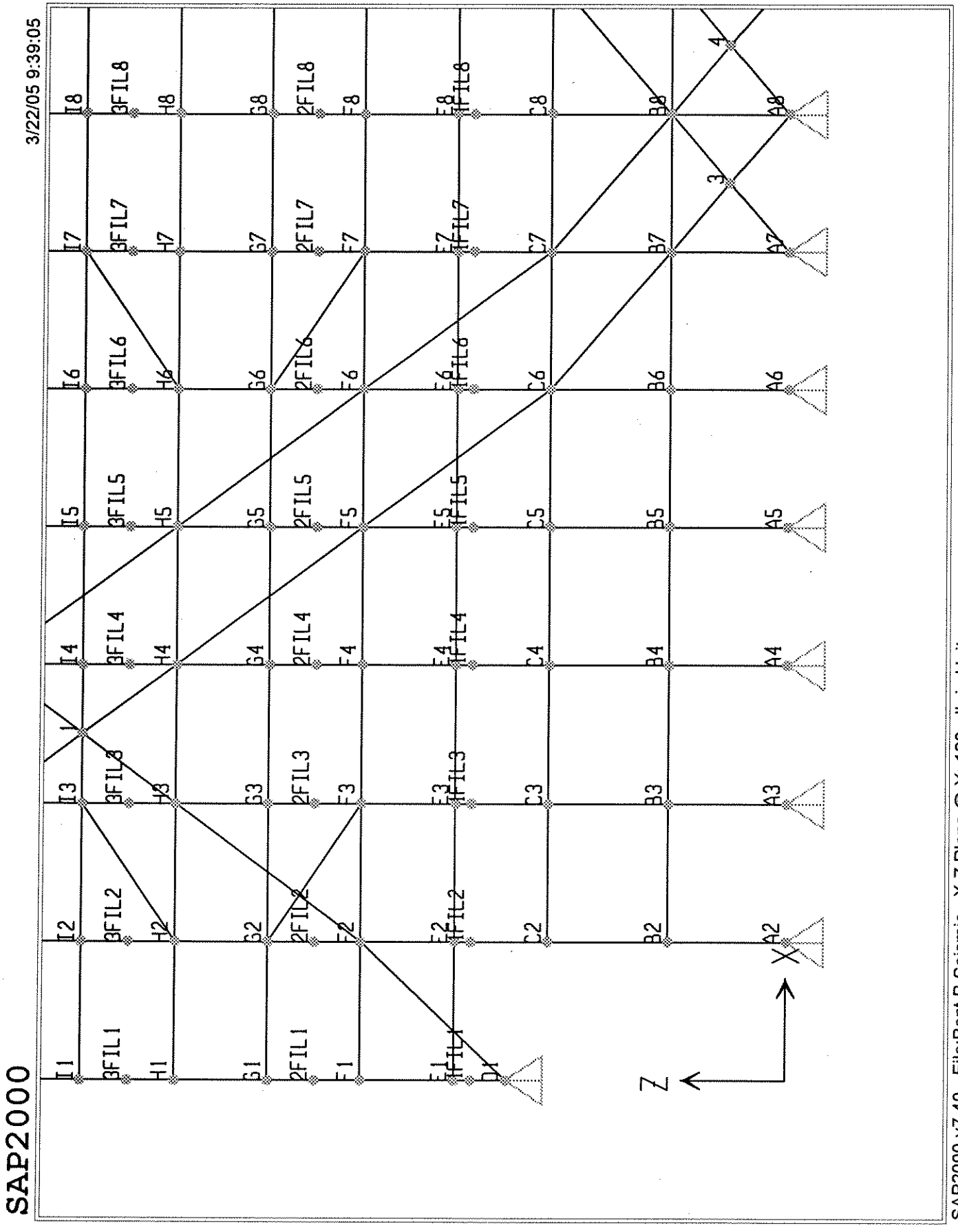
SAP2000 v7.40 - File:Bent B Seismic - X-Z Plane @ Y=120 - lb-in Units

3/22/05 8:56:14

SAP2000



SAP2000 v7.40 - File:Bent B Seismic - X-Z Plane @ Y=120 - lb-in Units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3/22/05 9:39:05
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I3
I4
I5
I6
I7
I8
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3FIL2
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3FIL4
3FIL5
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3FIL7
3FIL8
H1
H2
H3
H4
H5
H6
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G1
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G4
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F2
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F4
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F8
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E5
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E7
E8
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1FIL5
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1FIL7
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D1
C2
C3
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B4
B5
B6
B7
B8
A2
A3
A4
A5
A6
A7
A8
1
3
4
X
Z
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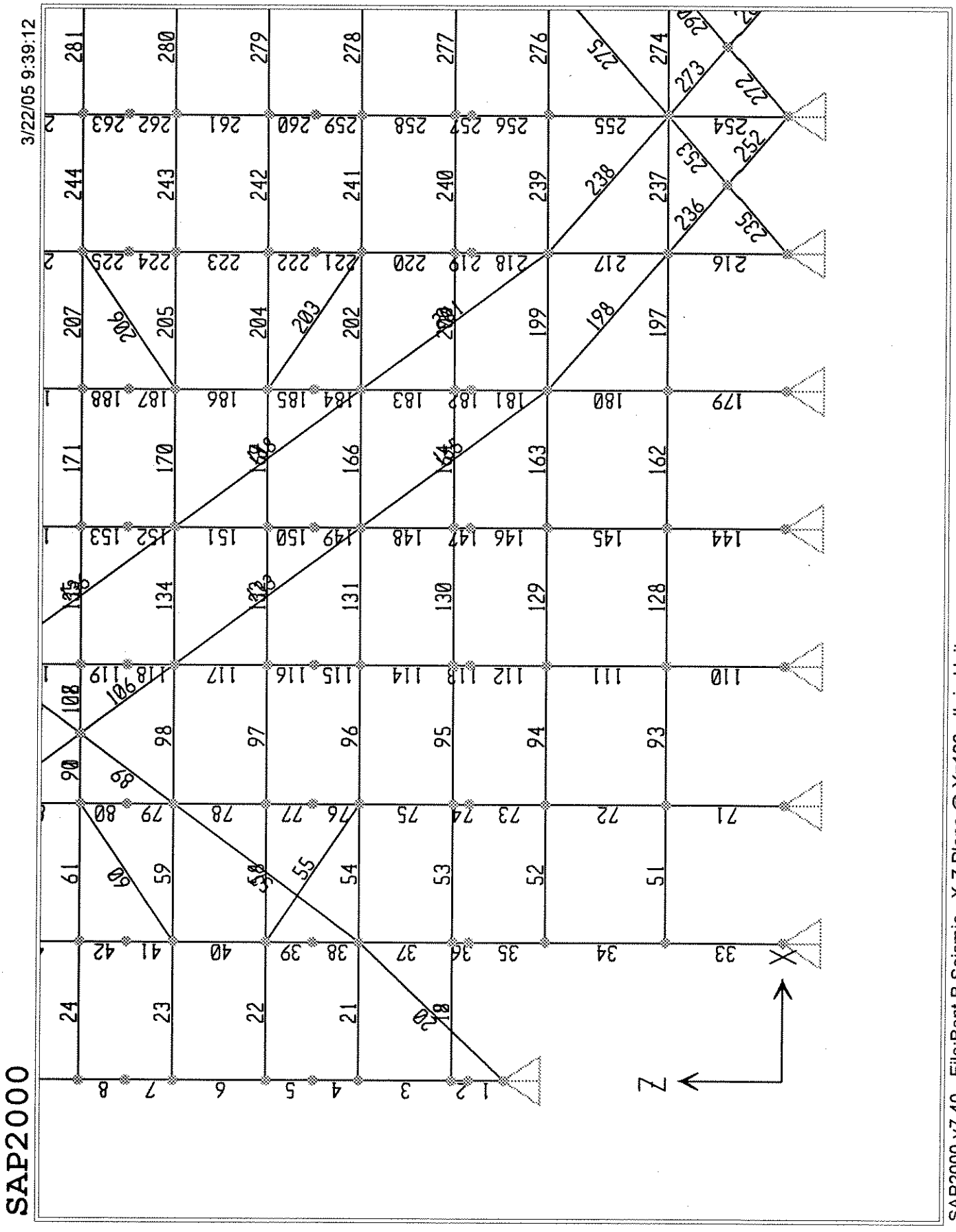
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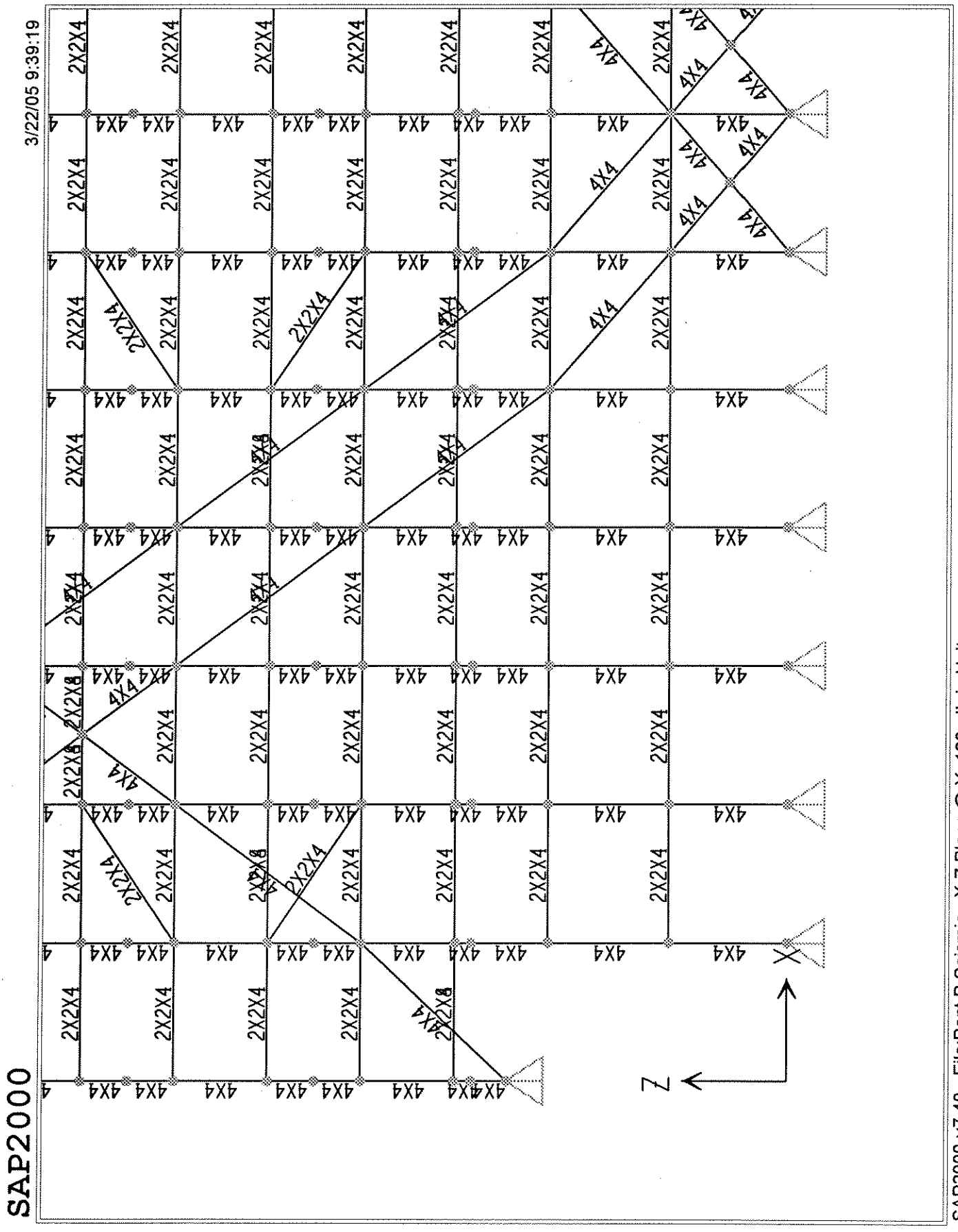
SAP2000 v7.40 - File:Bent B Seismic - X-Z Plane @ Y=120 - lb-in Units
Z
X

REV. 1


SAP2000
3/22/05 9:39:19
2X2X4
4X4
2X2X8
Z
X
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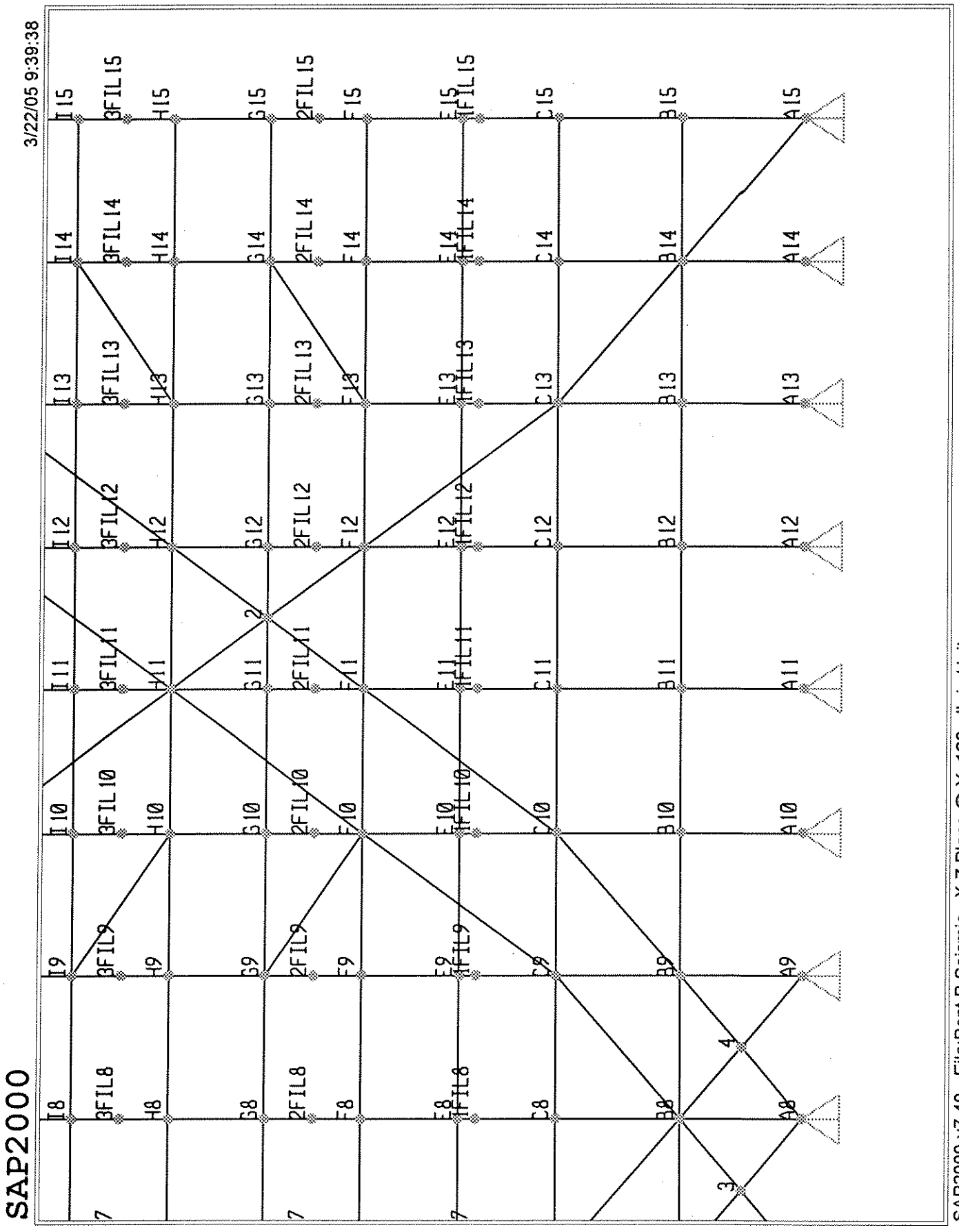
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3/22/05 9:39:38
I8
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I10
I11
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I13
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I15
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3FIL9
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B12
B13
B14
B15
A8
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A10
A11
A12
A13
A14
A15
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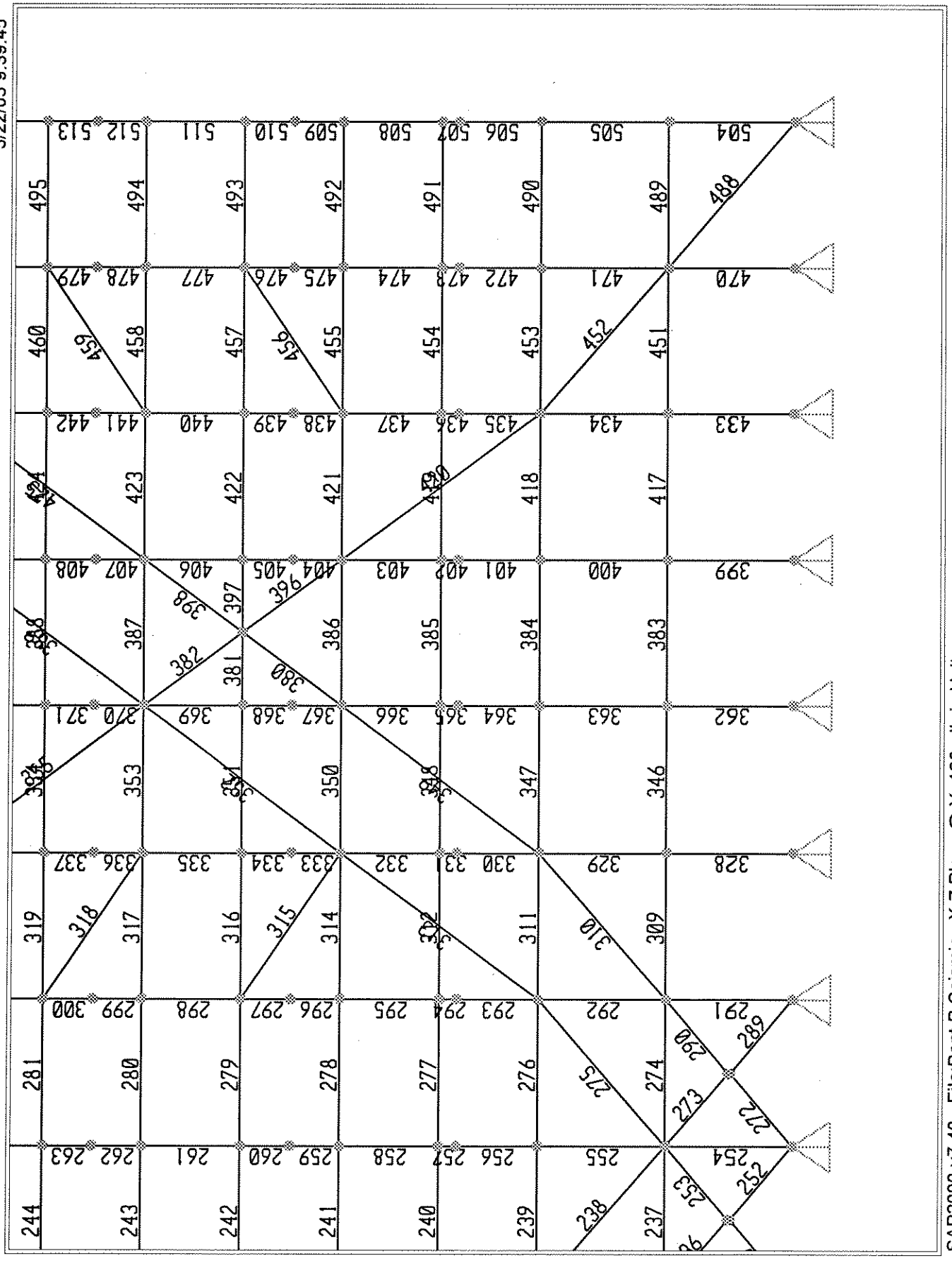
4
3
SAP2000 v7.40 - File:Bent B Seismic - X-Z Plane @ Y=120 - lb-in Units

3/22/05 9:39:45

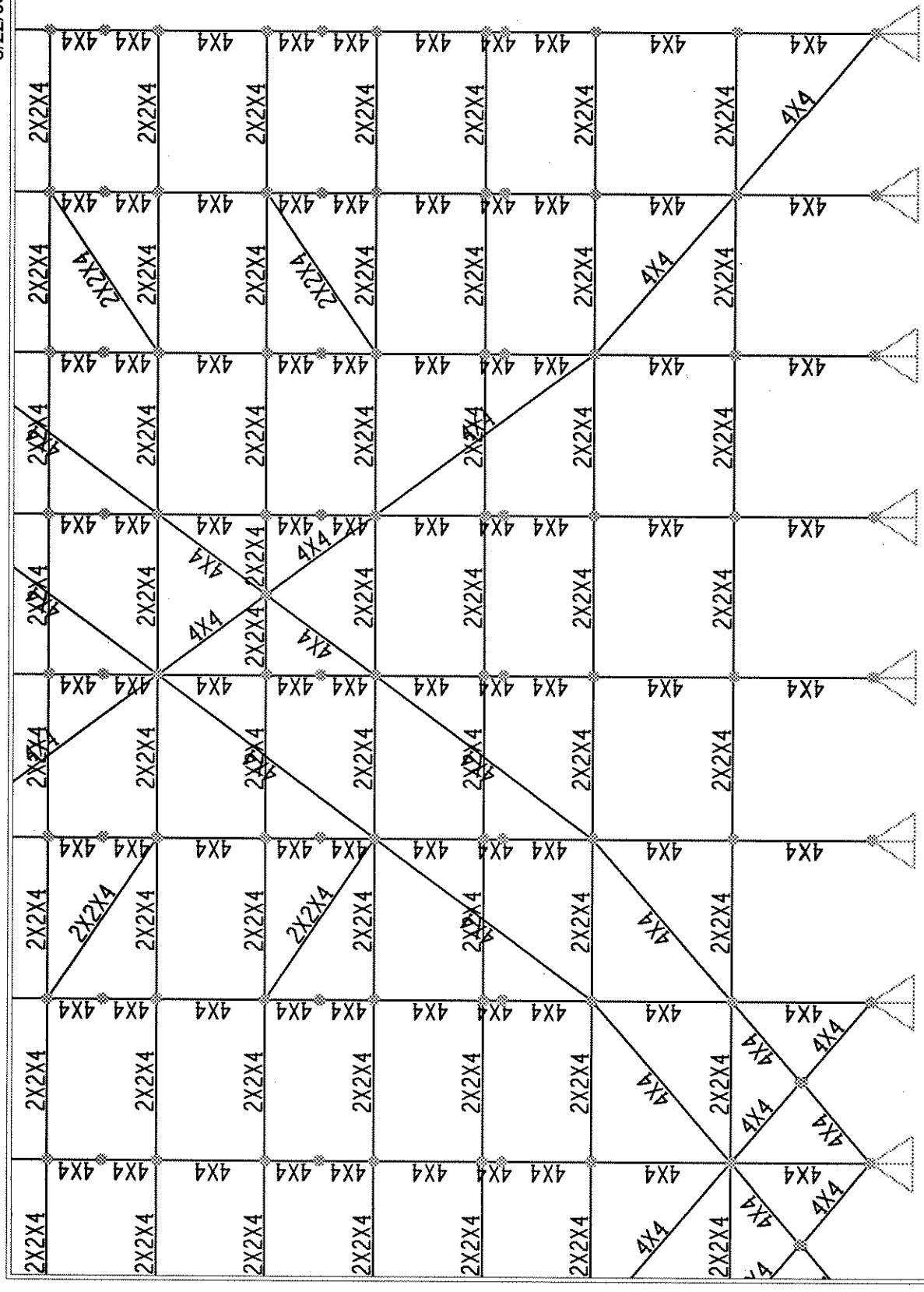
SAP2000



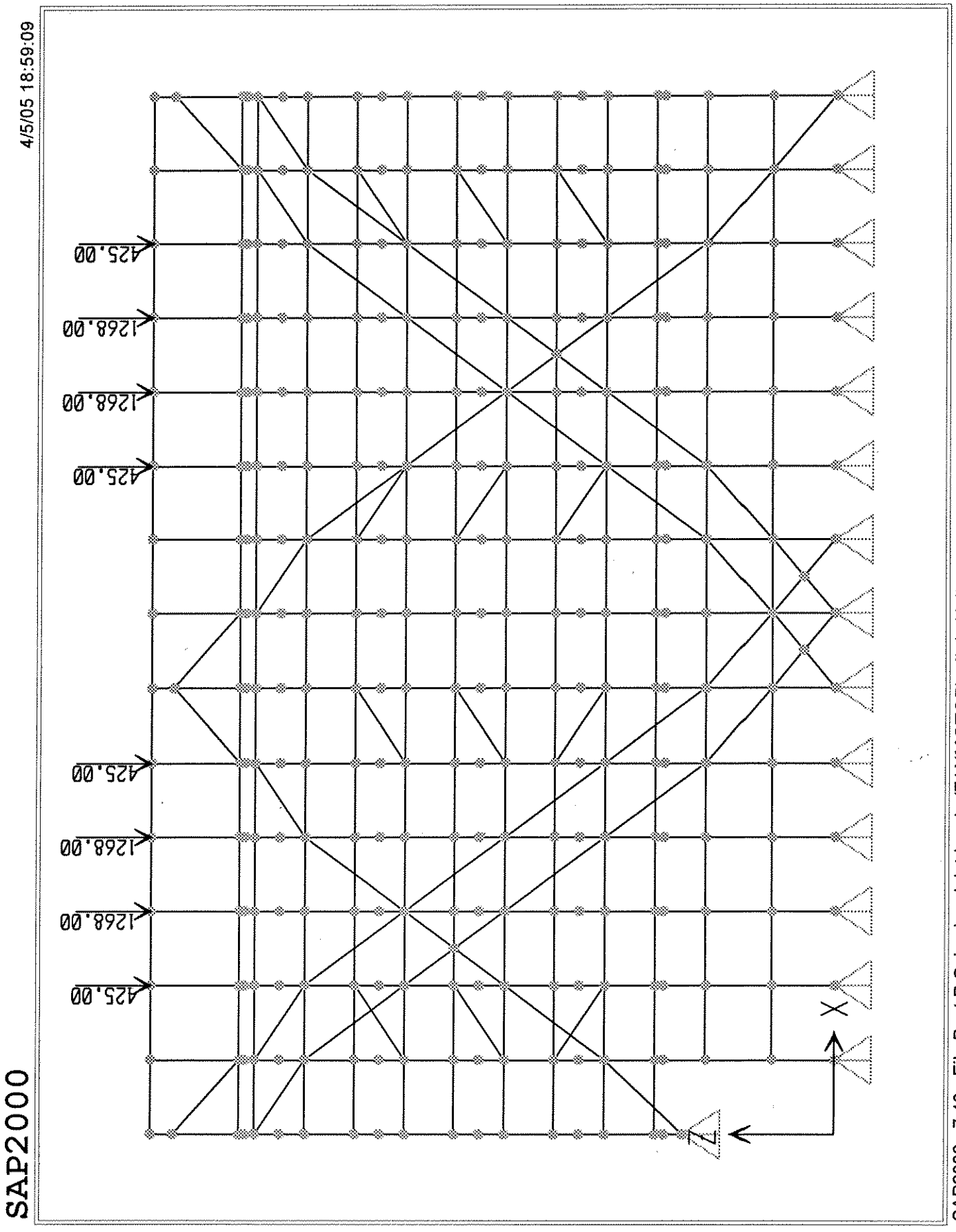
SAP2000 v7.40 - File:Bent B Seismic - X-Z Plane @ Y=120 - lb-in Units

3/22/05 9:43:07

SAP2000



SAP2000 v7.40 - File:Bent B Seismic - X-Z Plane @ Y=120 - lb-in Units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425.00
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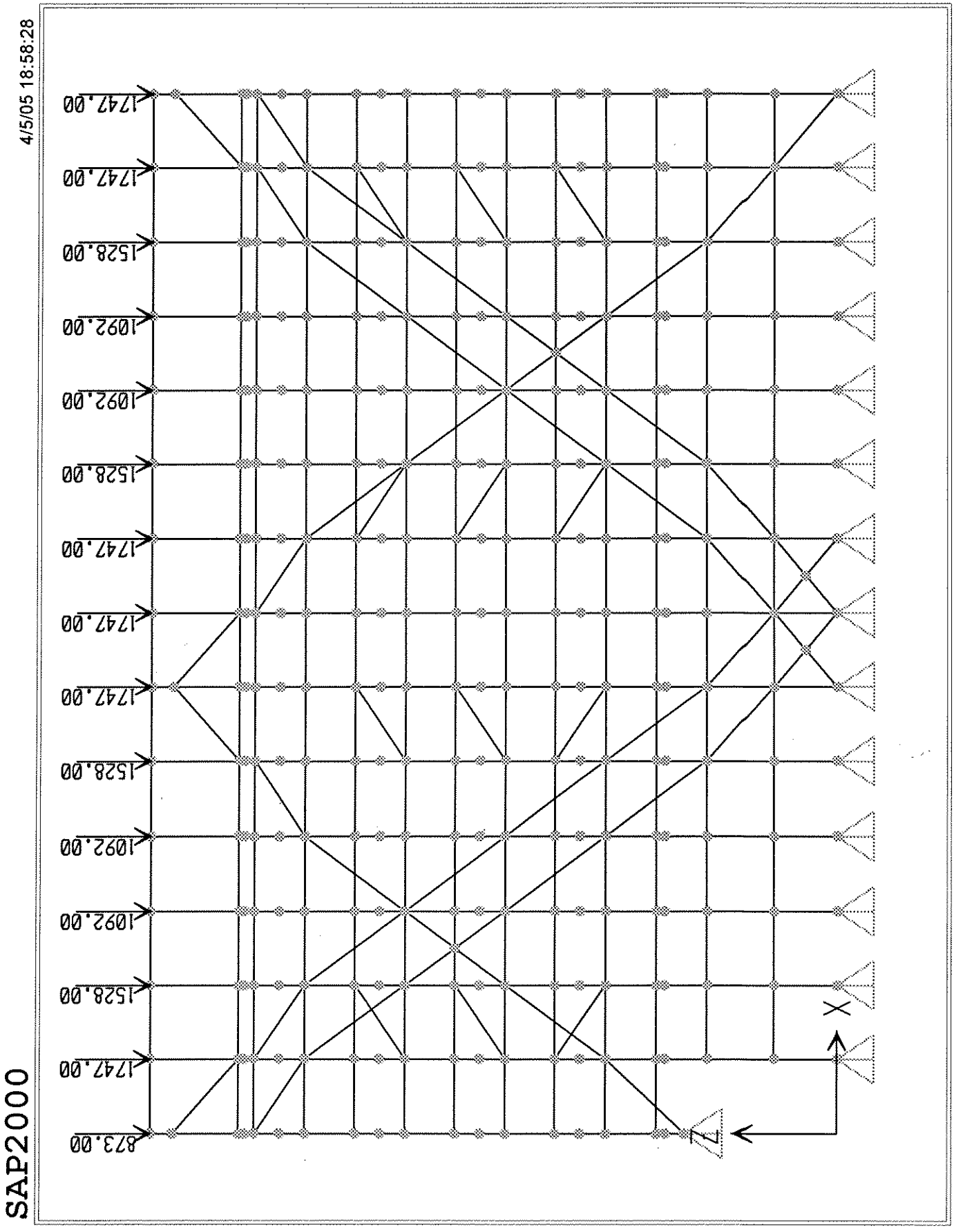
1268.00
1268.00
425.00
X
Z
SAP2000 v7.40 - File:Bent B Seismic - Joint Loads (FANMOTOR) - lb-in Units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4/5/05 18:58:28
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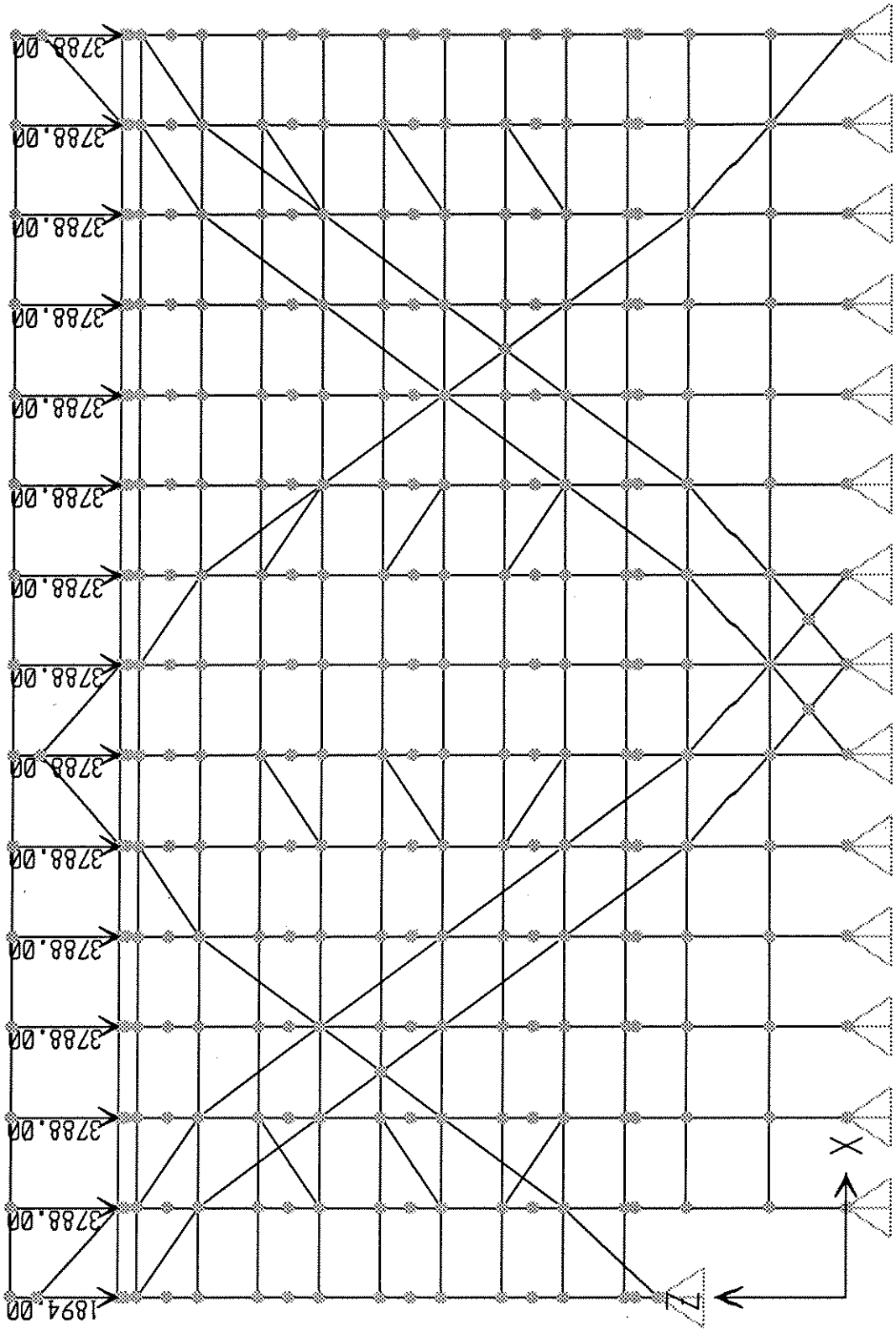
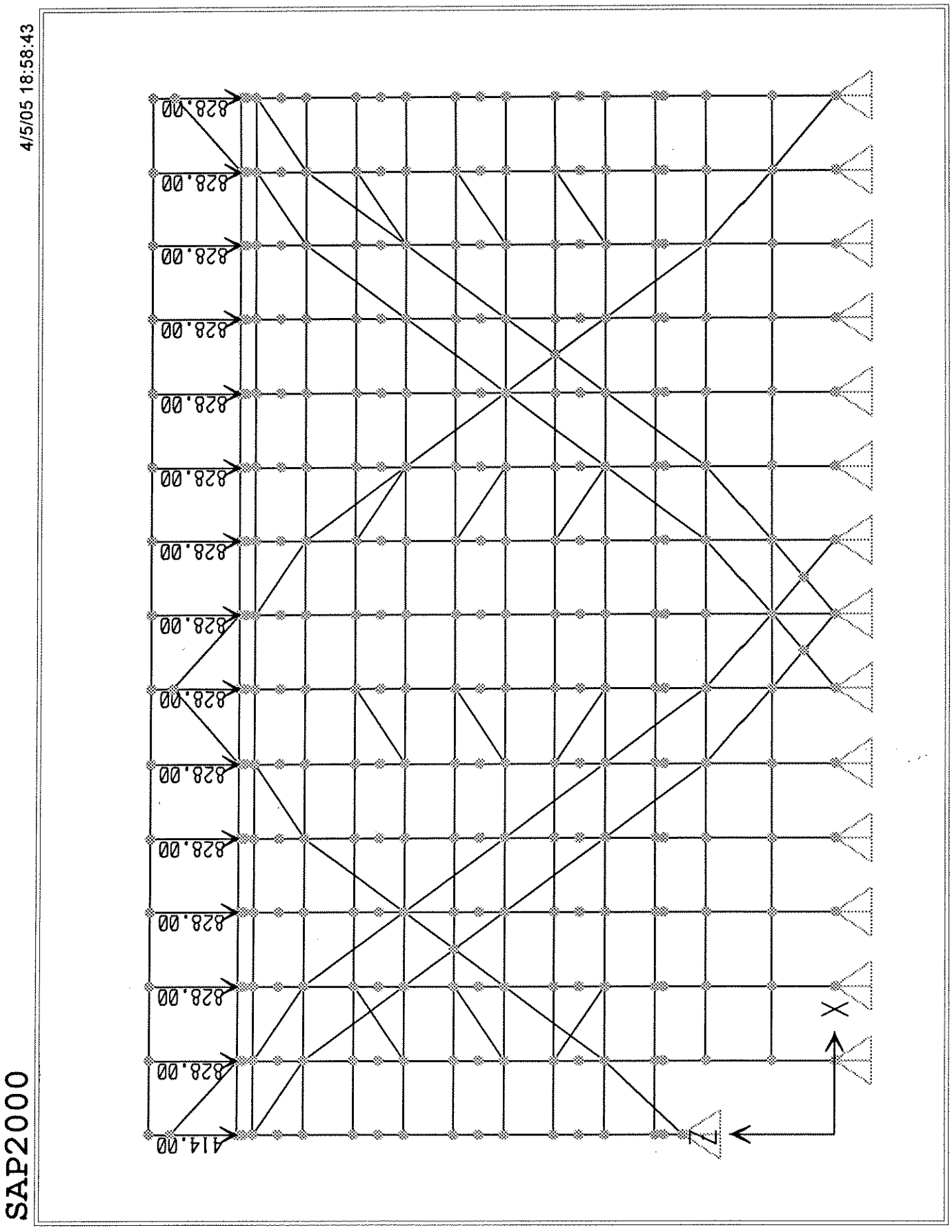
1747.00
1747.00
1747.00
1528.00
1092.00
1092.00
1528.00
1747.00
1747.00
X
Z
SAP2000 v7.40 - File:Bent B Seismic - Joint Loads (TOPCOVER) - lb-in Units

4/5/05 18:58:07

SAP2000



SAP2000 v7.40 - File:Bent B Seismic - Joint Loads (MANIFOLD) - lb-in Units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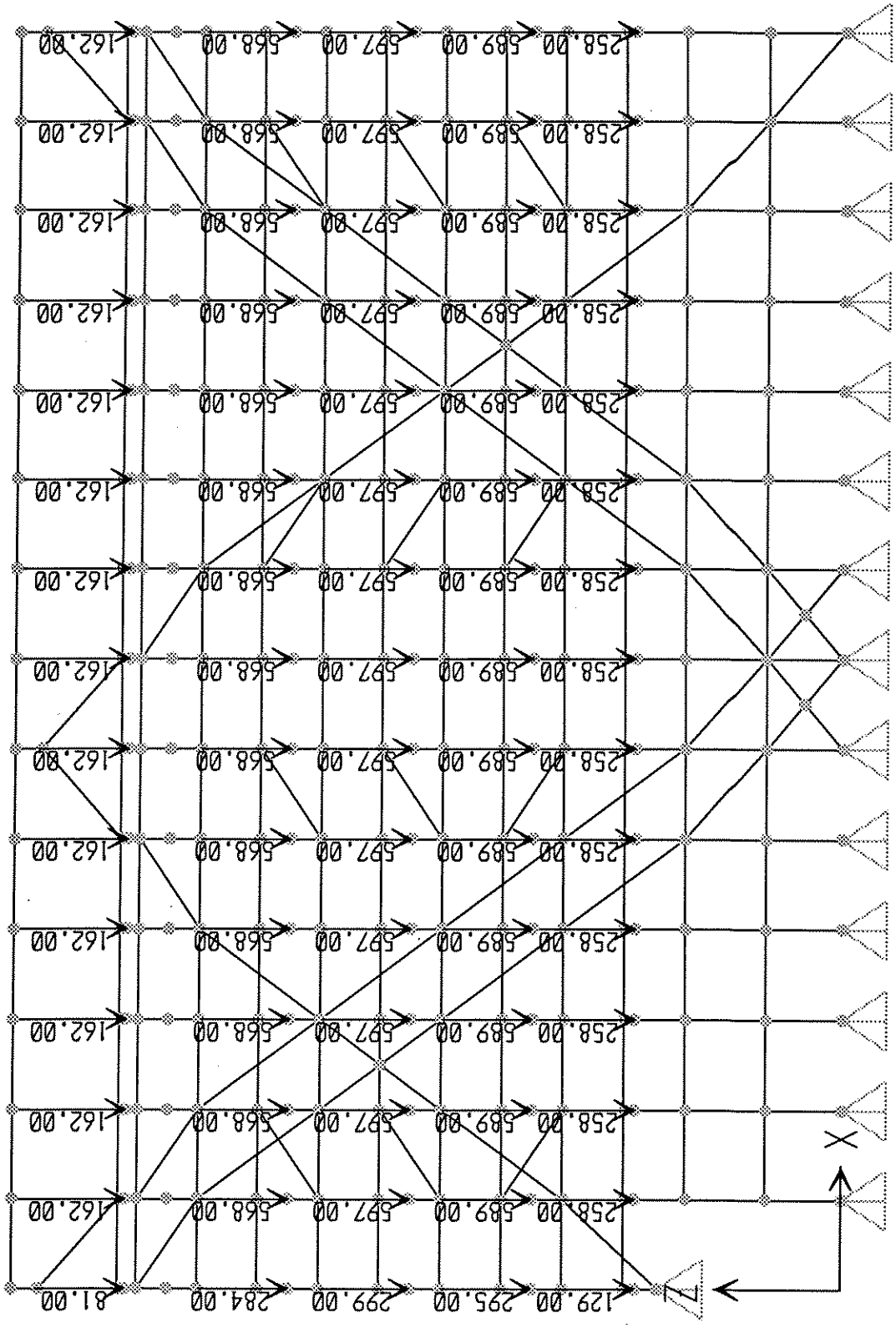
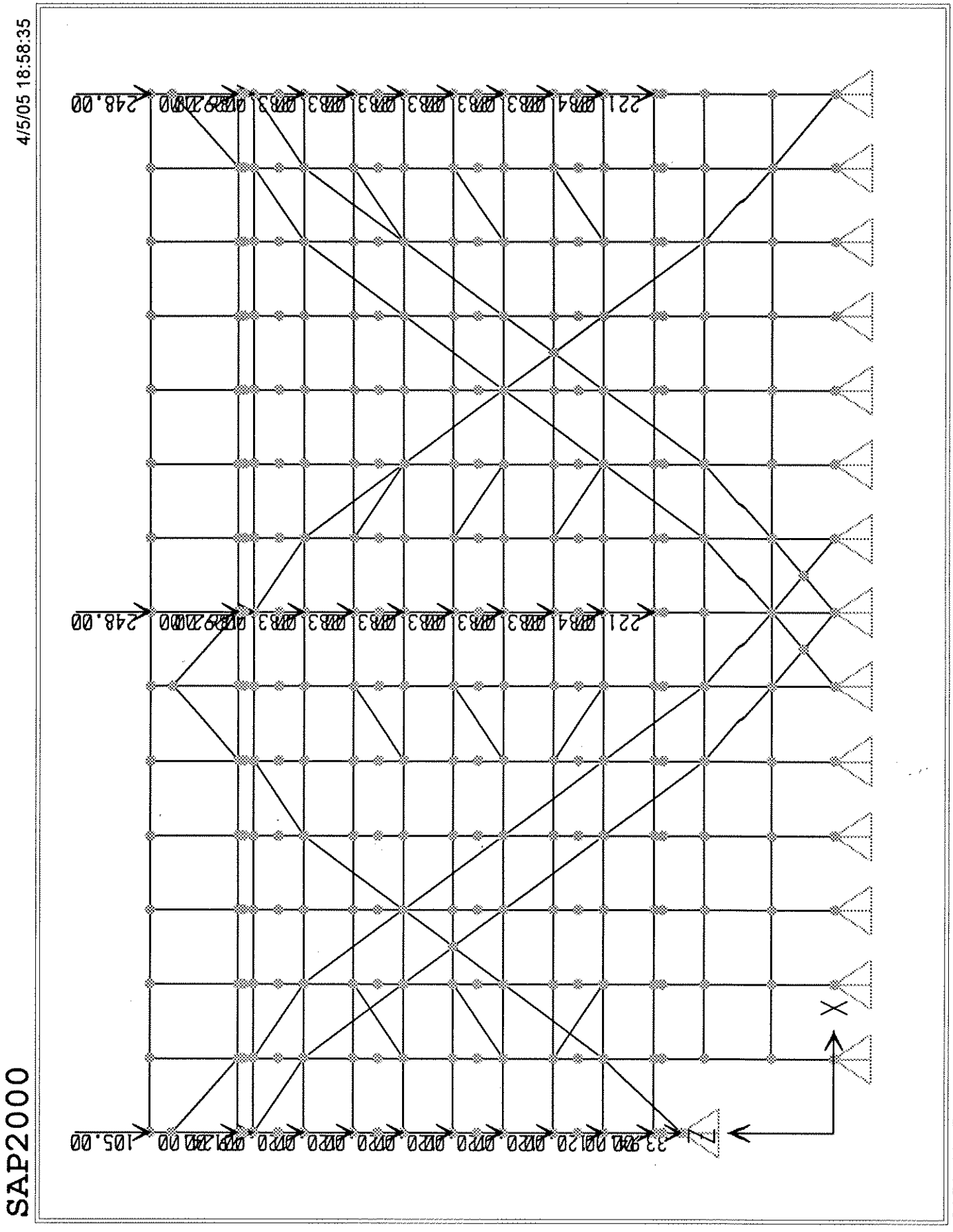
828.00
828.00
828.00
828.00
828.00
828.00
414.00
X
Z
SAP2000 v7.40 - File:Bent B Seismic - Joint Loads (HOTBASIN) - lb-in Units

4/5/05 18:58:16

SAP2000

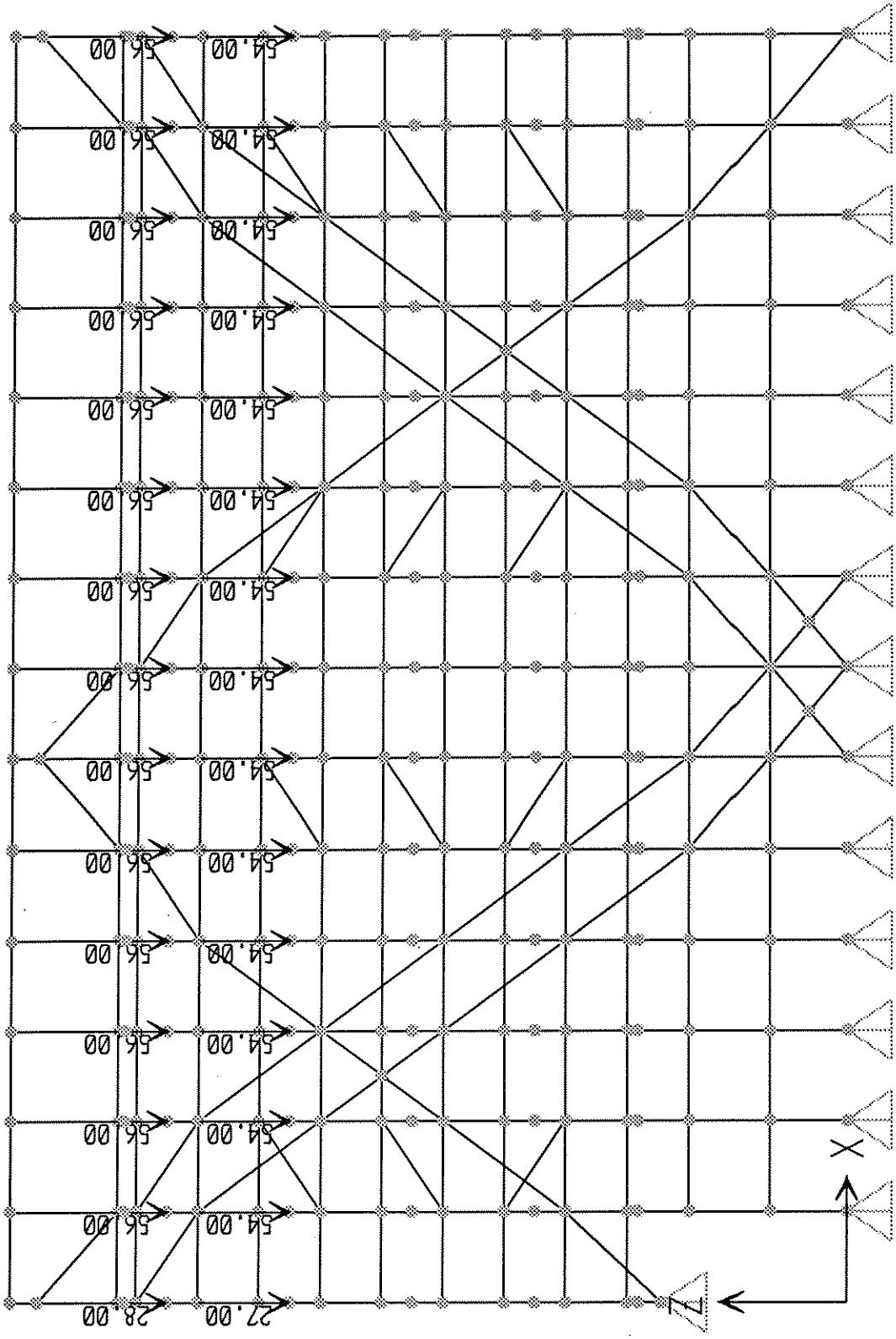


SAP2000 v7.40 - File:Bent B Seismic - Joint Loads (TBAR) - lb-in Units


SAP2000
4/5/05 18:58:35
248.00
221
248.00
221
105.00
X
SAP2000 v7.40 - File:Bent B Seismic - Joint Loads (PEWALLS) - lb-in Units

4/5/05 18:58:50

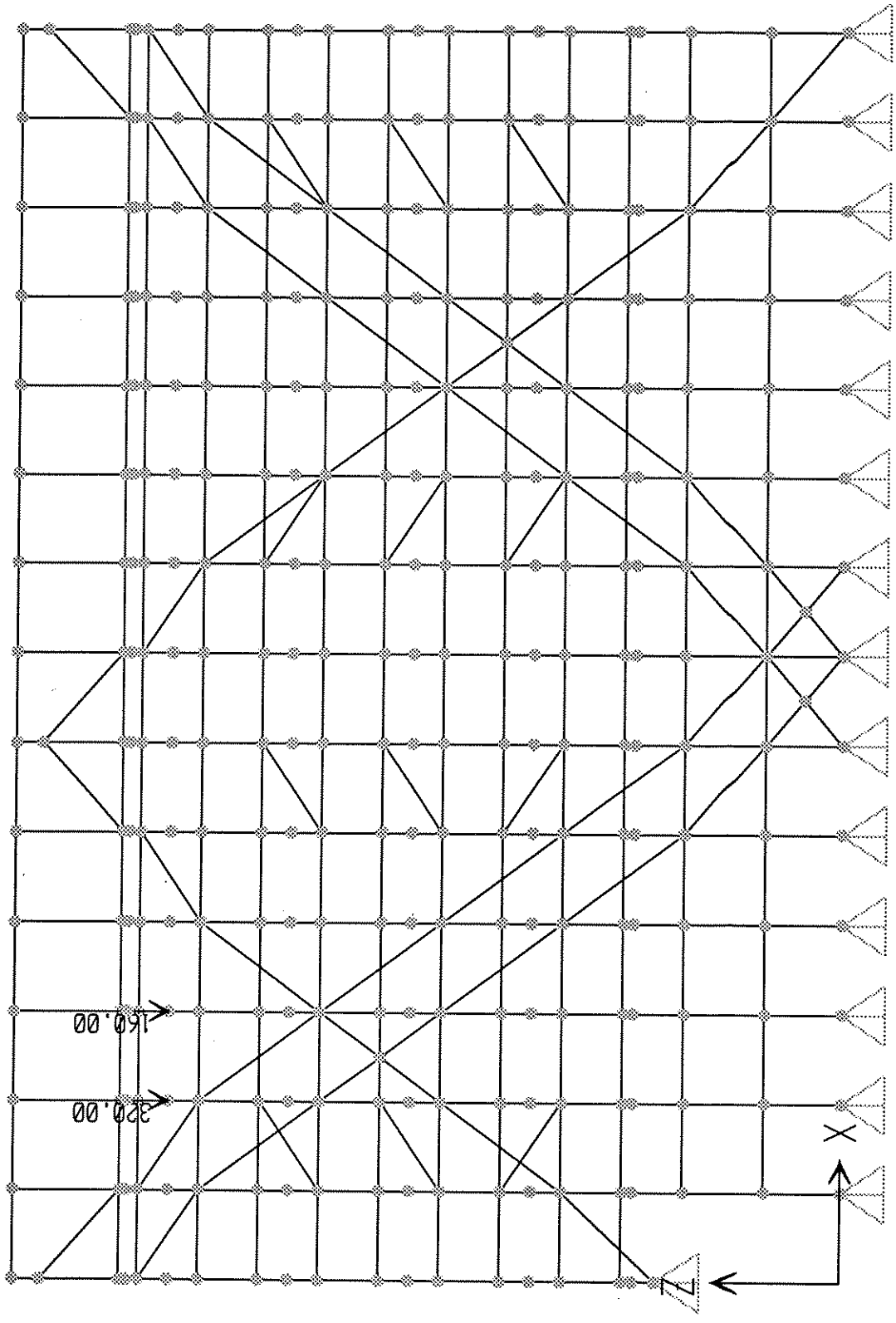
SAP2000



SAP2000 v7.40 - File:Bent B Seismic - Joint Loads (DRIFTELM) - lb-in Units

SAP2000

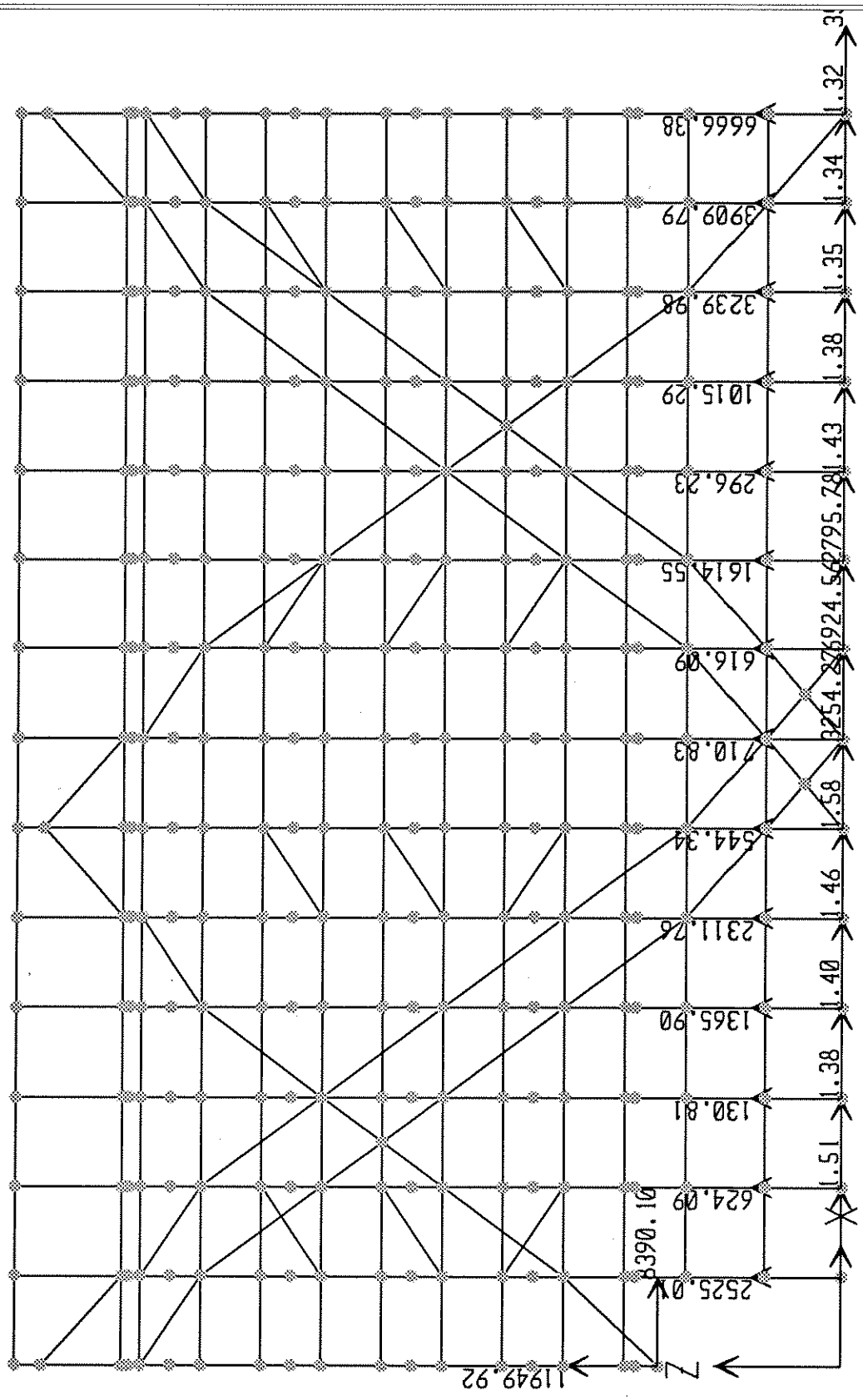
4/5/05 18:59:23



SAP2000 v7.40 - File:Bent B Seismic - Joint Loads (SECDIST) - lb-in Units

4/5/05 18:59:35

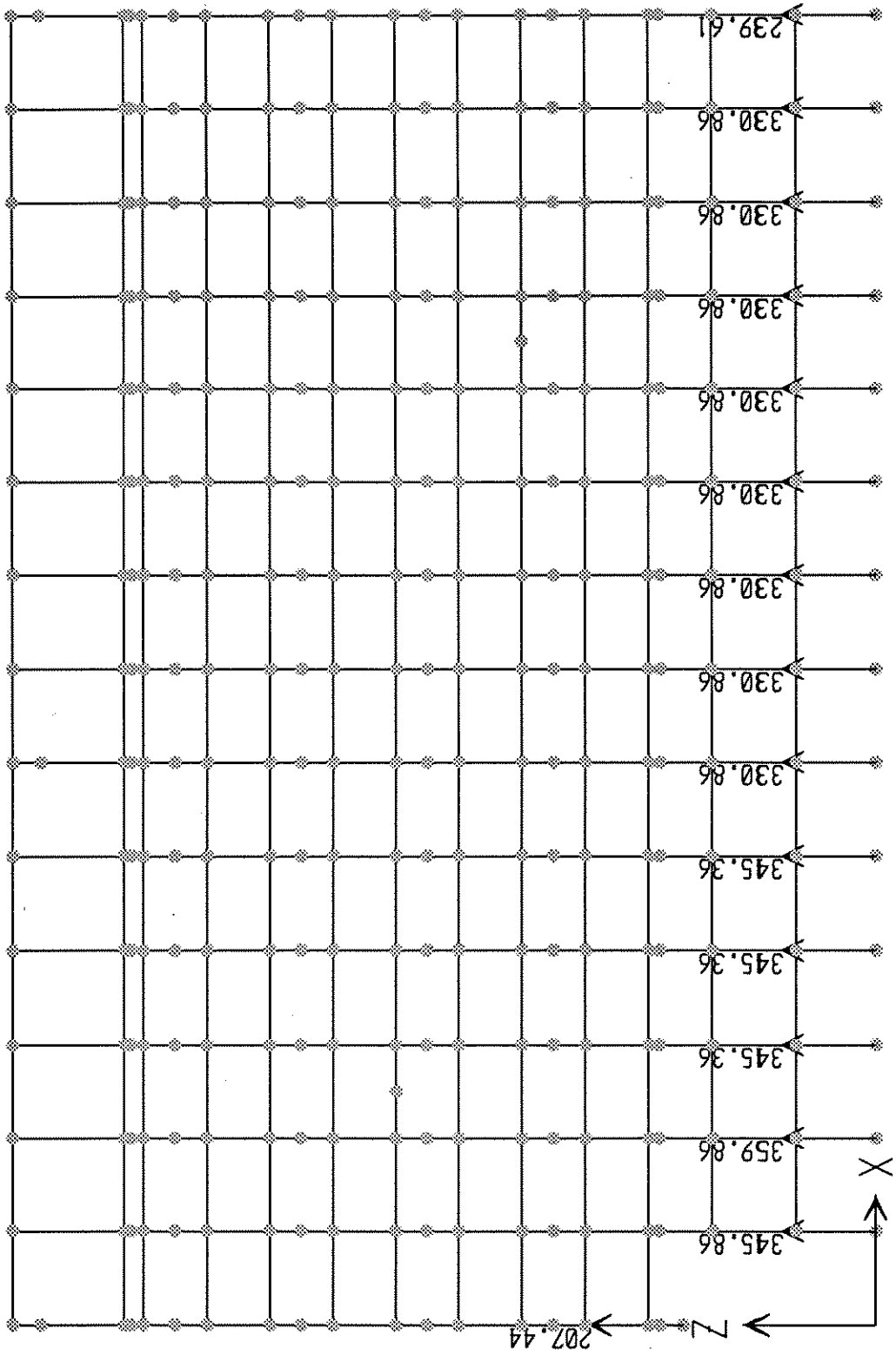
SAP2000



SAP2000 v7.40 - File:Bent B Seismic - Restraint Reactions (HORIZ) - lb-in Units

4/5/05 19:00:07

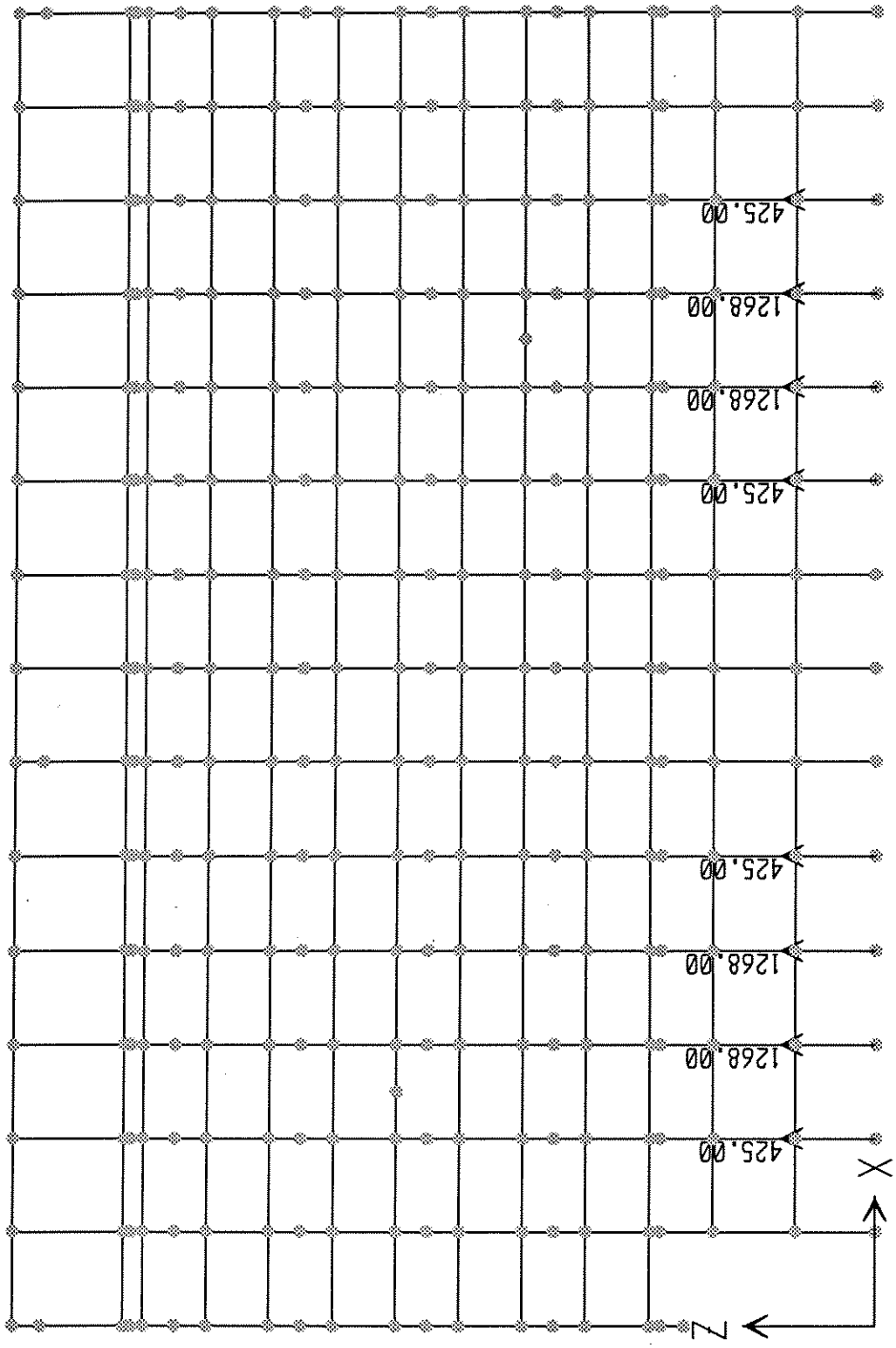
SAP2000



SAP2000 v7.40 - File:Bent B DL - Restraint Reactions (DEAD) - lb-in Units

4/5/05 19:00:51

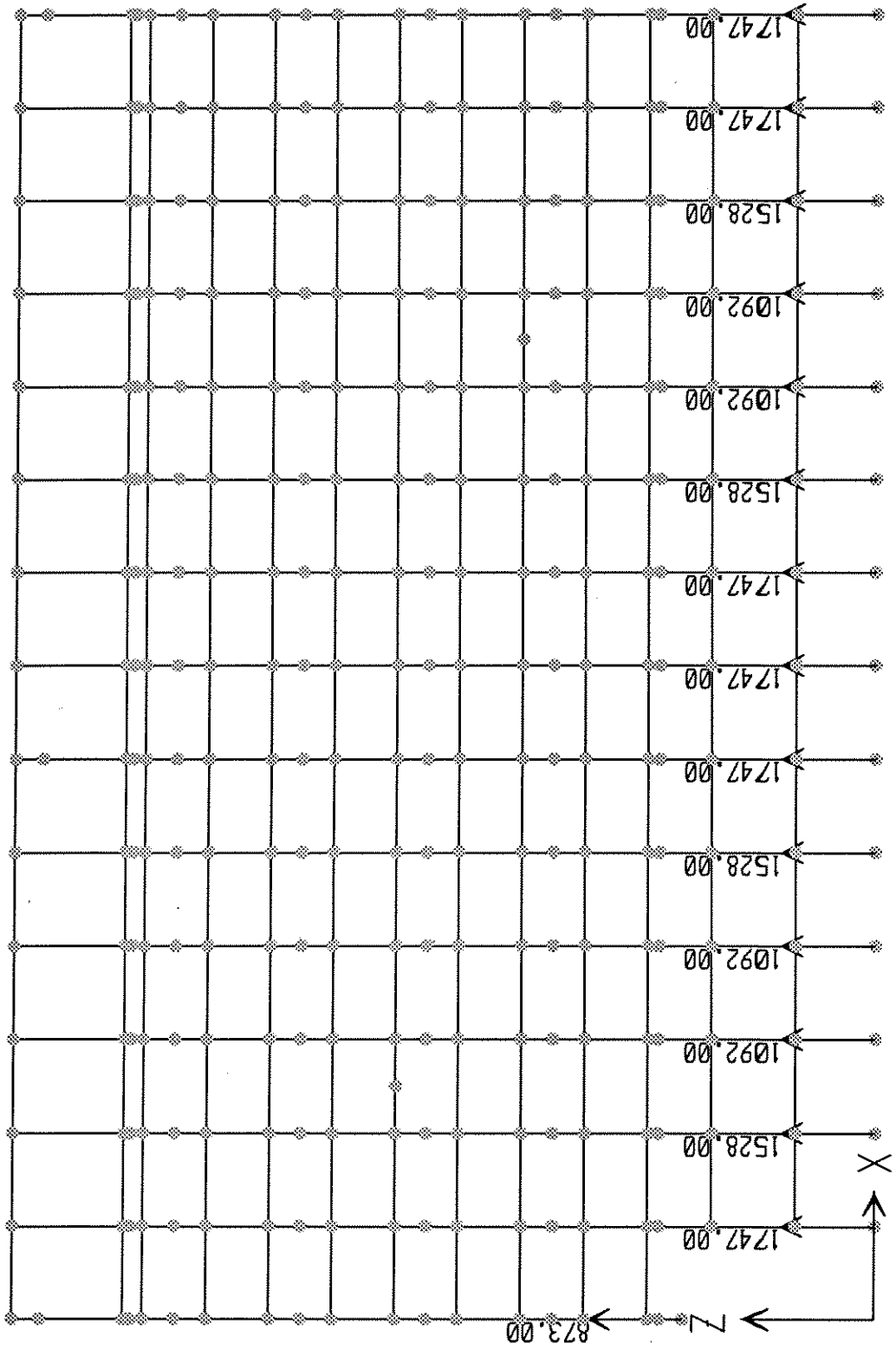
SAP2000



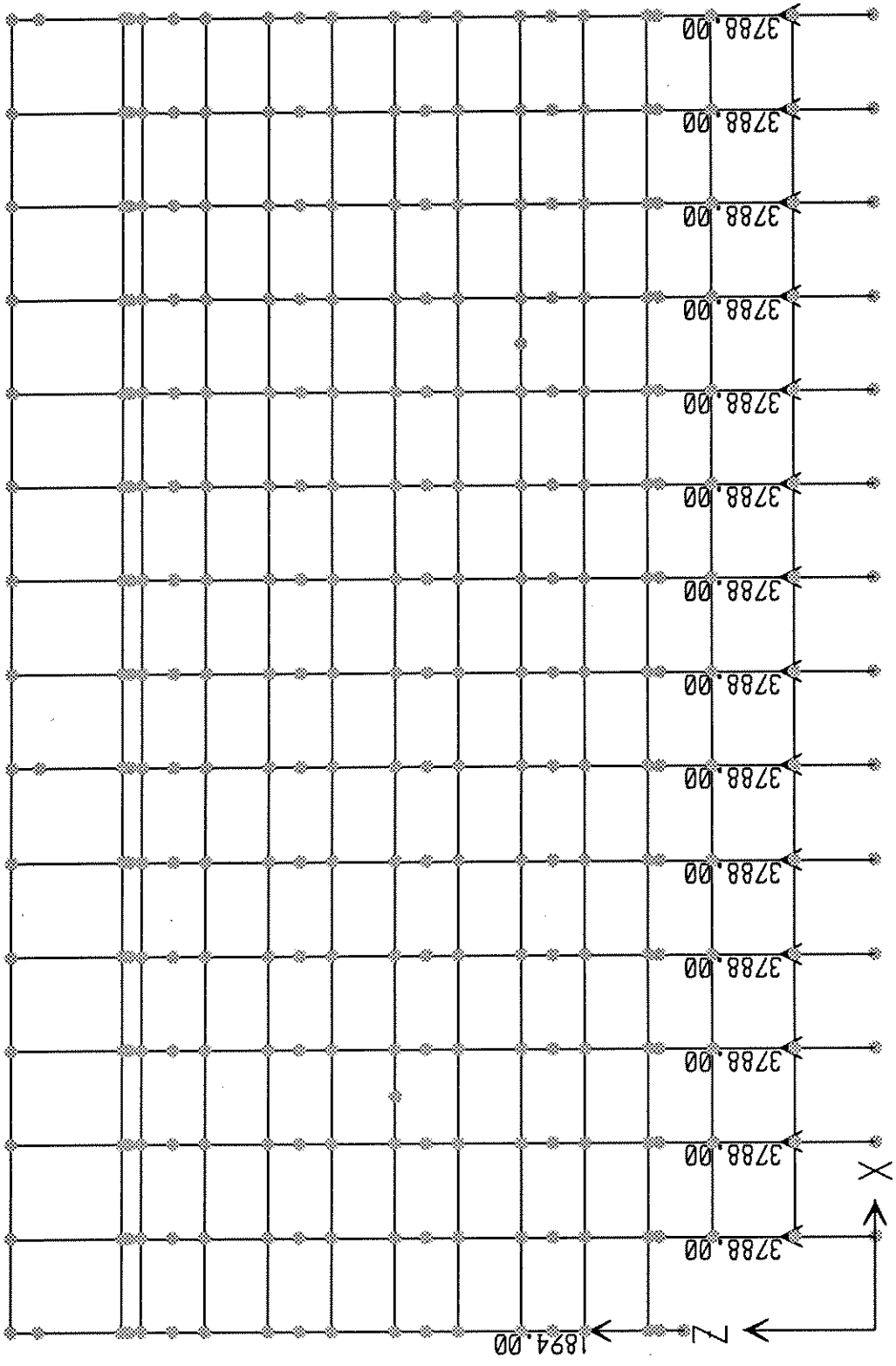
SAP2000 v7.40 - File:Bent B DL - Restraint Reactions - (FANMOTOR) - lb-in Units

4/5/05 19:00:26

SAP2000



SAP2000 v7.40 - File:Bent B DL - Restraint Reactions (TOPCOVER) - lb-in Units


4/5/05 19:00:14
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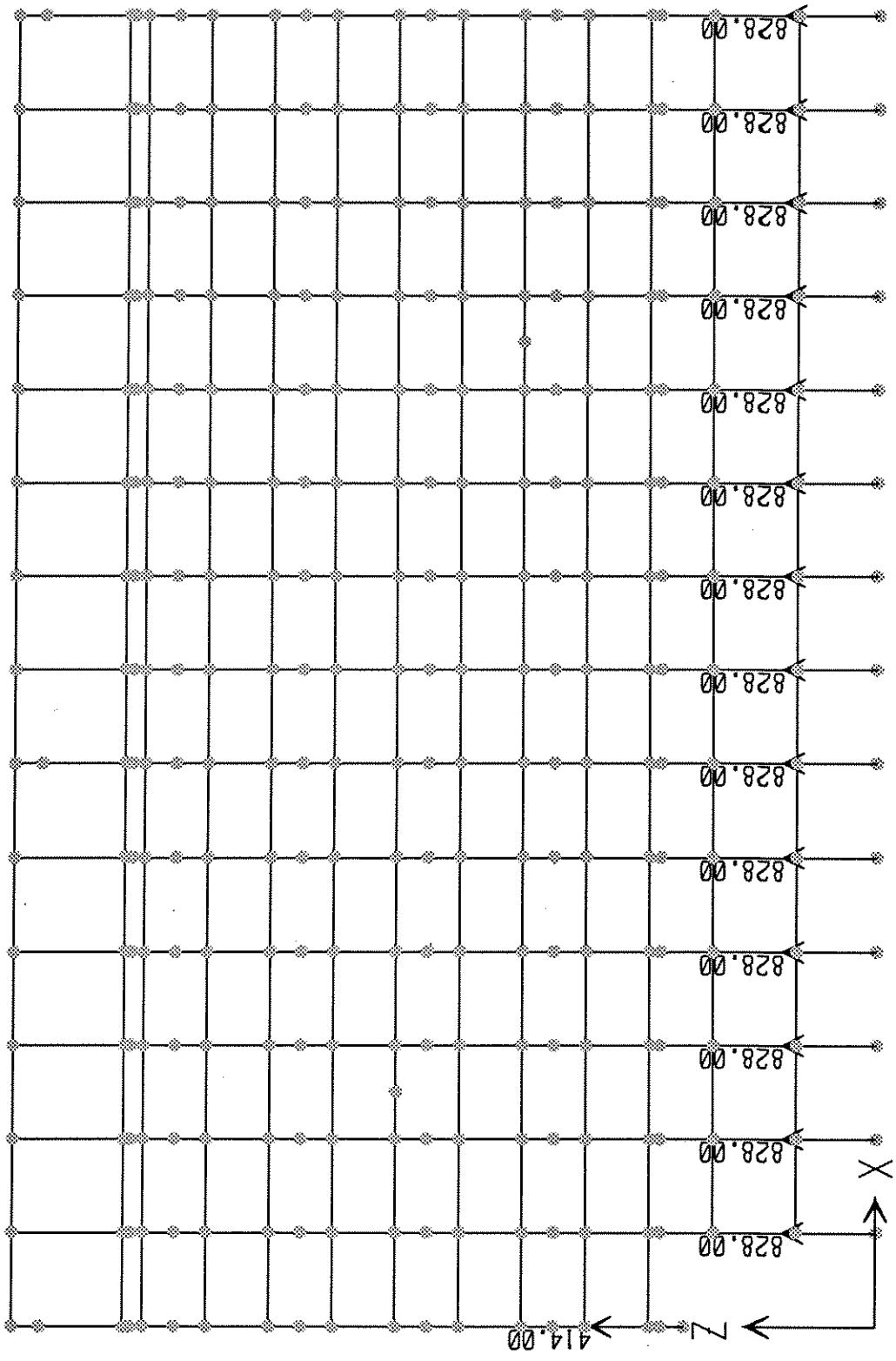
3788.00
3788.00
3788.00
3788.00
3788.00
1894.00
Z
X
SAP2000 v7.40 - File:Bent B DL - Restraint Reactions (MANIFOLD) - lb-in Units

4/5/05 19:00:38

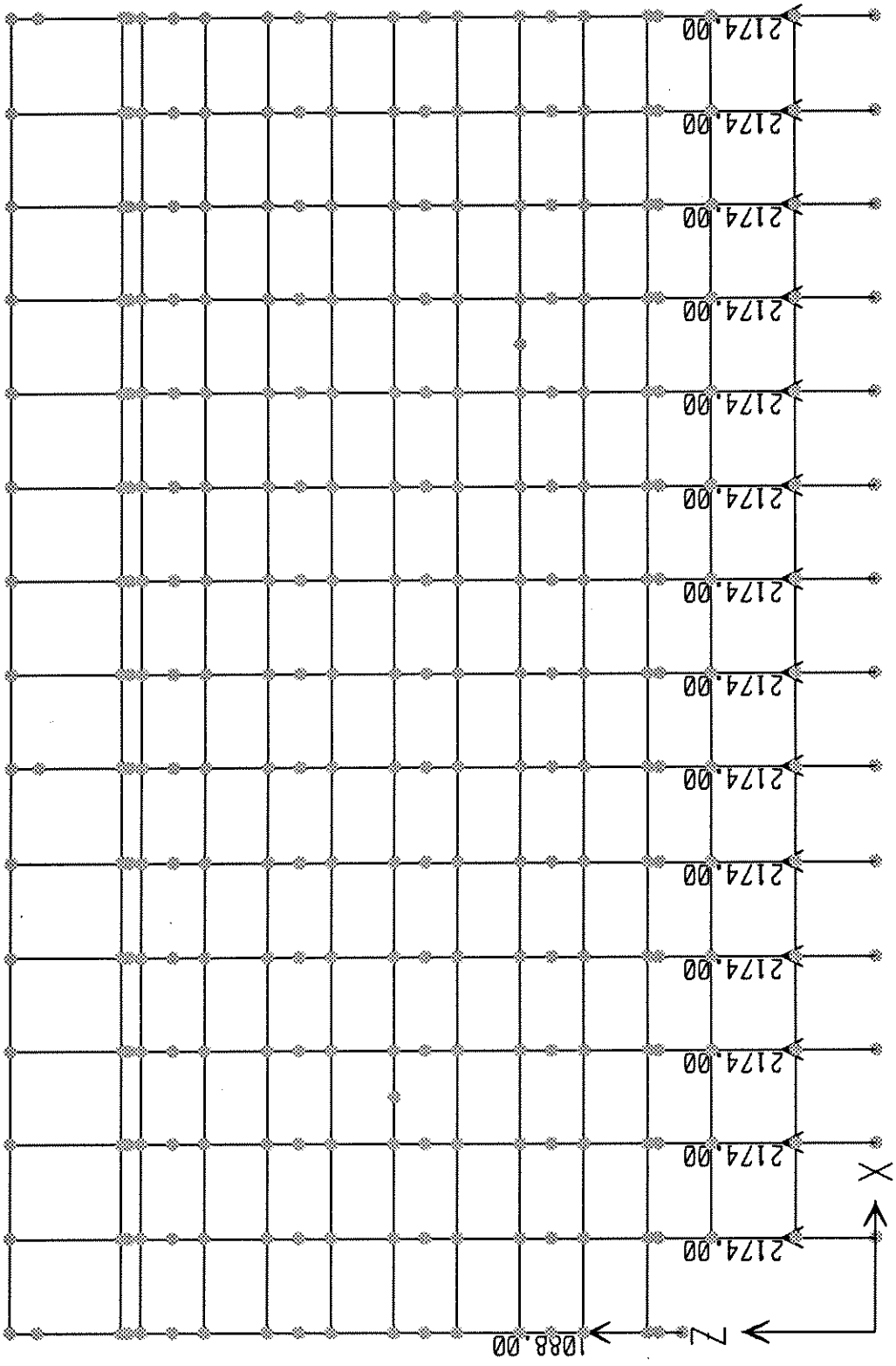
SAP2000



SAP2000 v7.40 - File:Bent B DL - Restraint Reactions (HOTBASIN) - lb-in Units

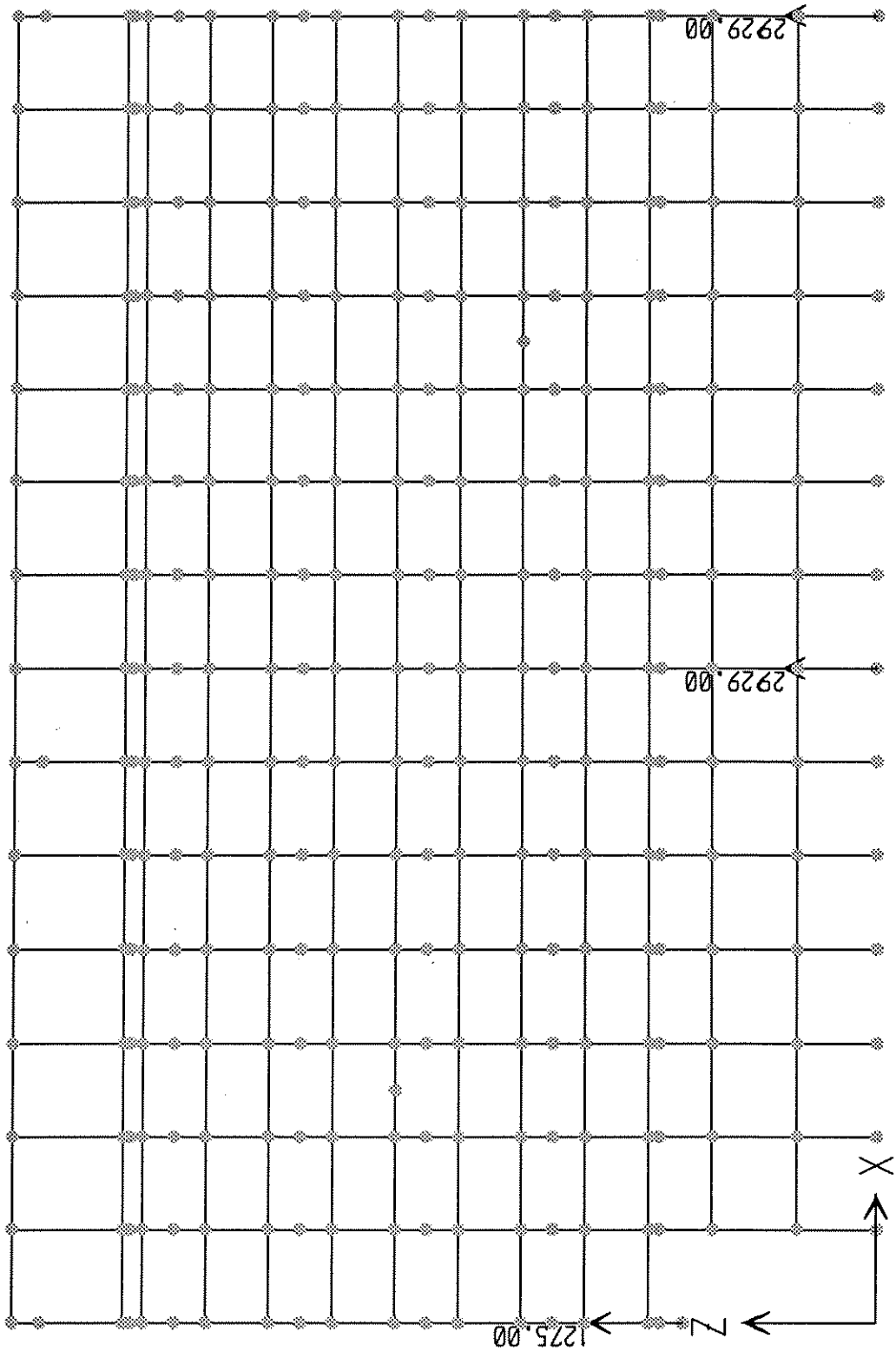
4/5/05 19:00:20

SAP2000



SAP2000 v7.40 - File:Bent B DL - Restraint Reactions (TBAR) - lb-in Units

4/5/05 19:00:32

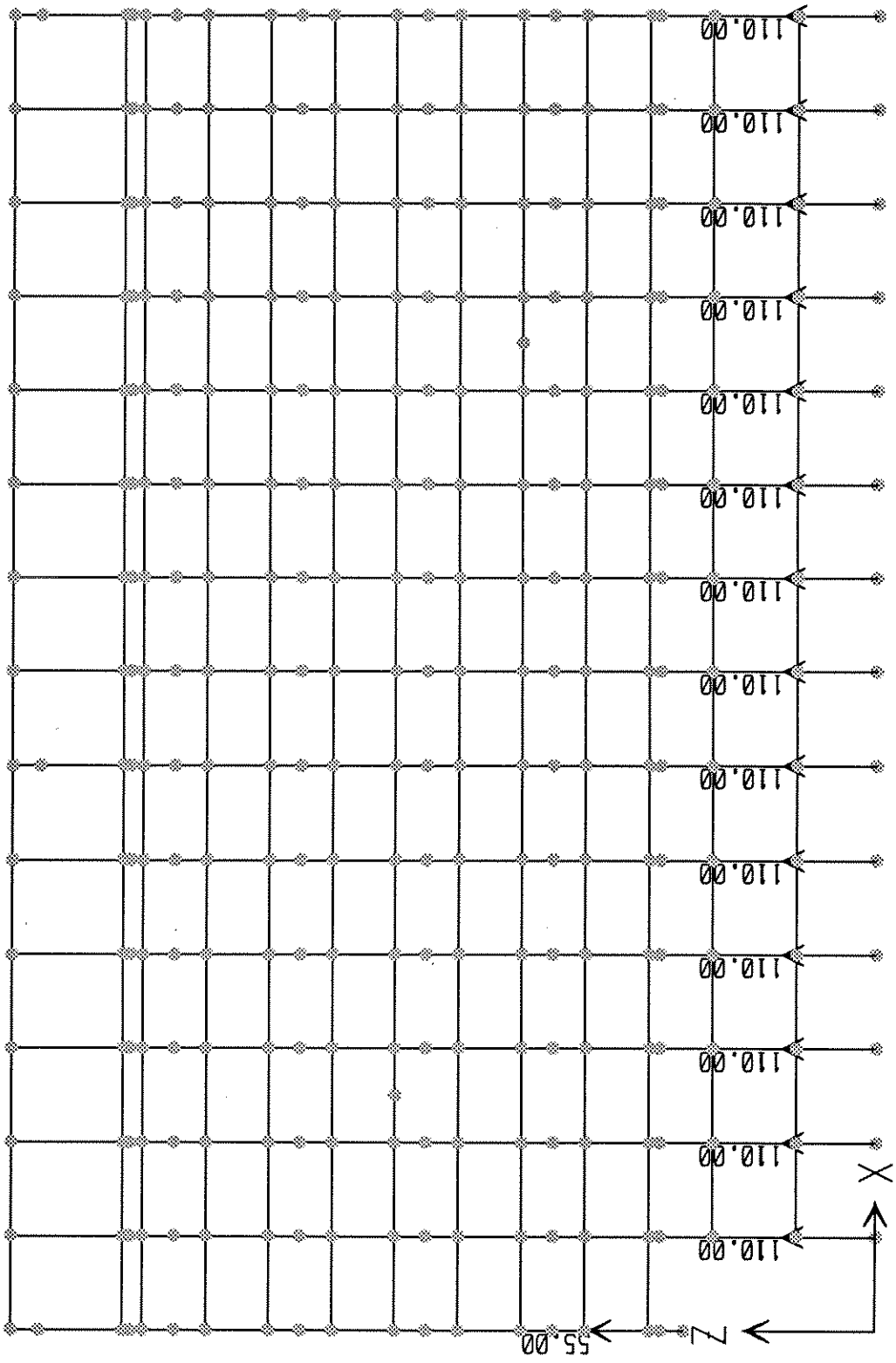


SAP2000

SAP2000 v7.40 - File:Bent B DL - Restraint Reactions (PEWALLS) - lb-in Units

4/5/05 19:00:44

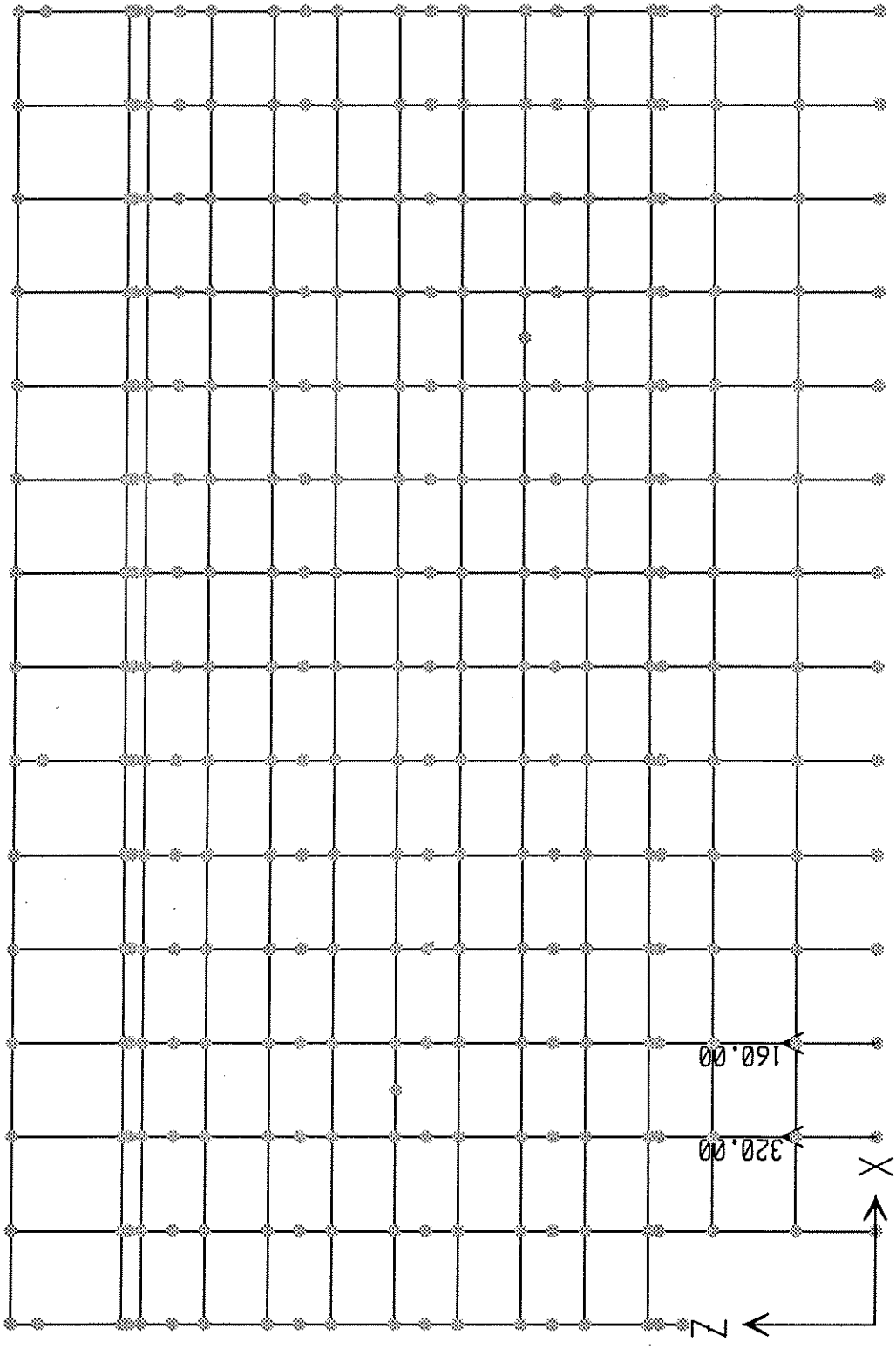
SAP2000



SAP2000 v7.40 - File:Bent B DL - Restraint Reactions (DRIFTELM) - lb-in Units

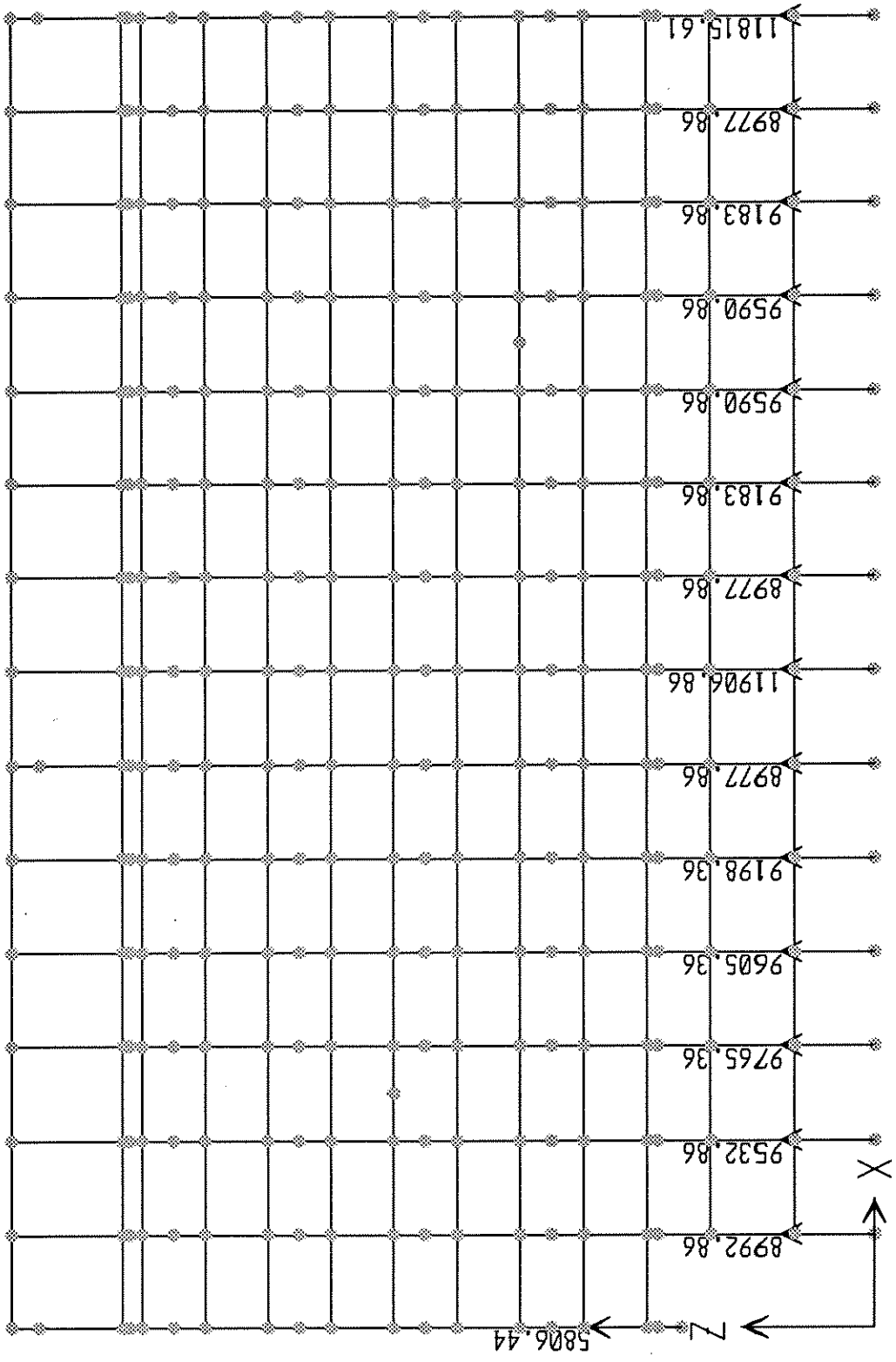
4/5/05 19:01:07

SAP2000



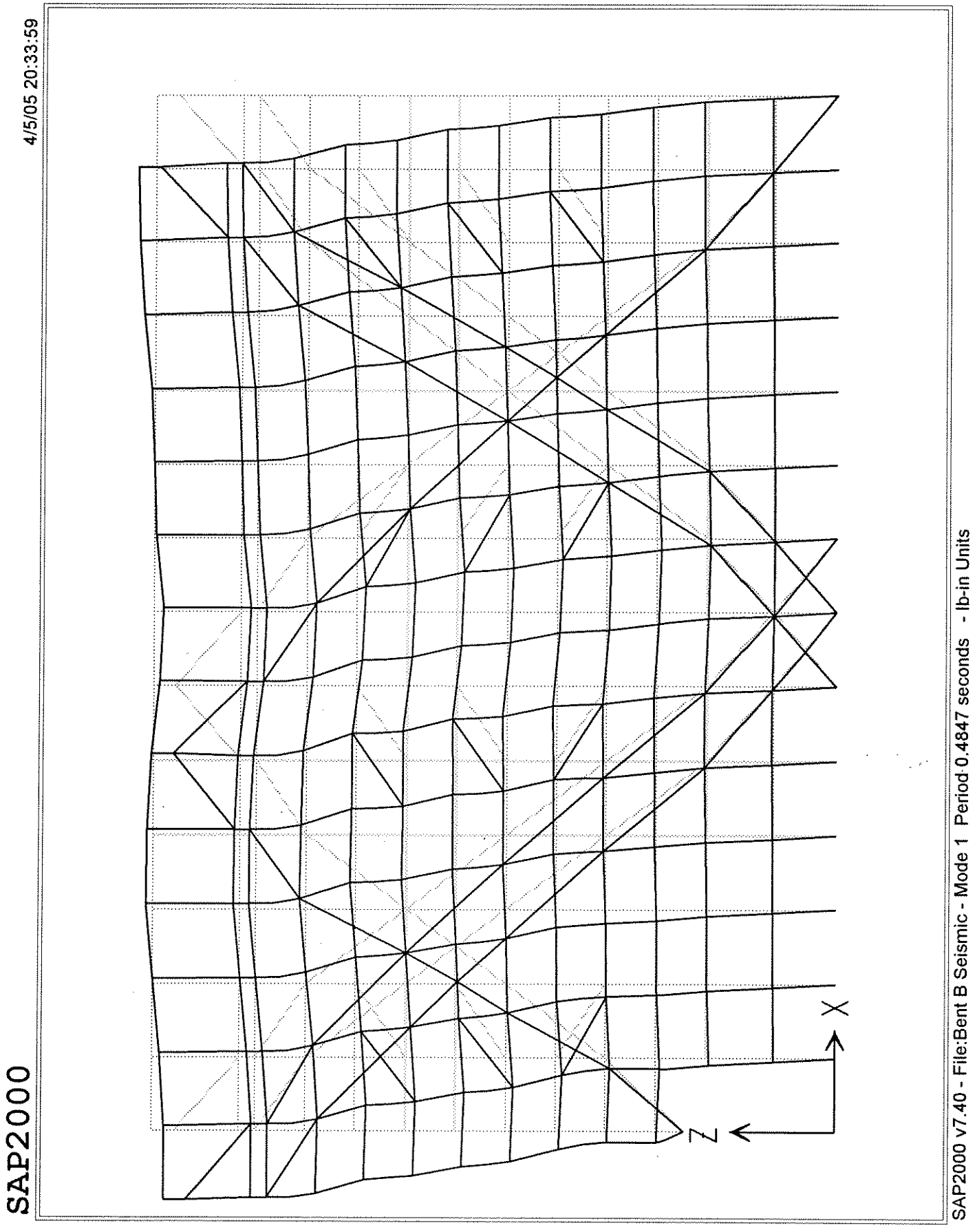
SAP2000 v7.40 - File:Bent B DL - Restraint Reactions (SECDIST) - lb-in Units

4/5/05 19:01:15



SAP2000

SAP2000 v7.40 - File:Bent B DL - Restraint Reactions (DEADLOAD) - lb-in Units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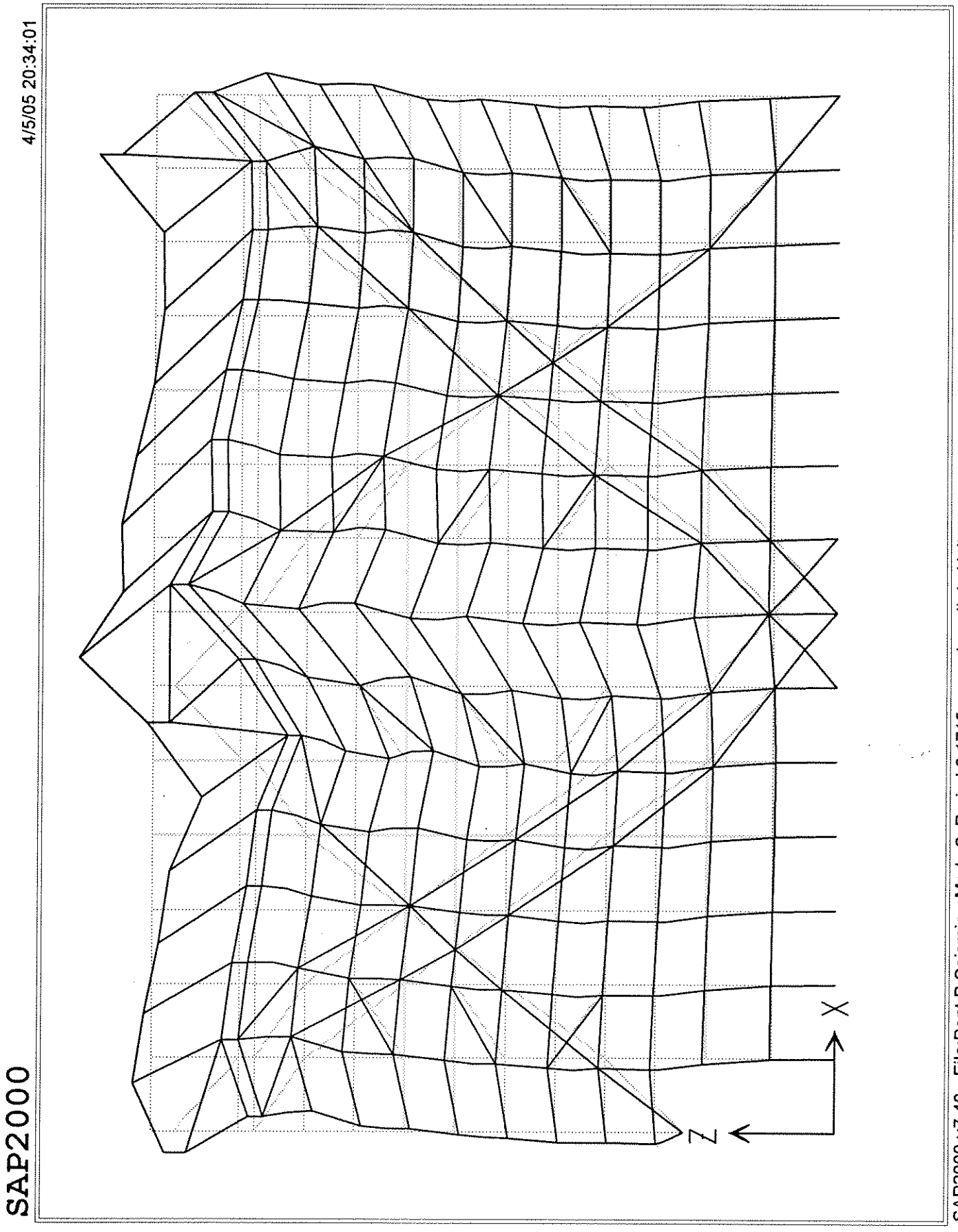
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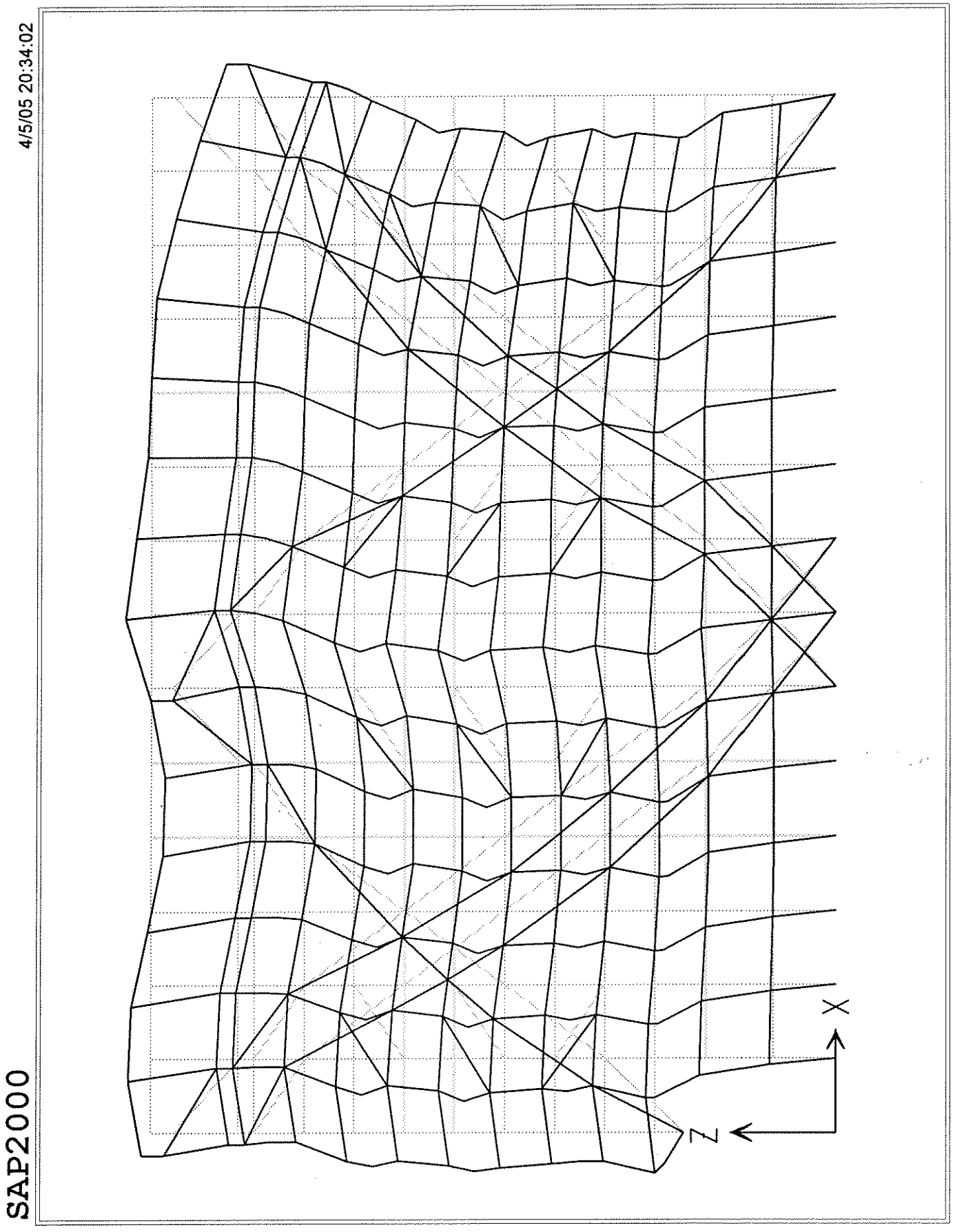
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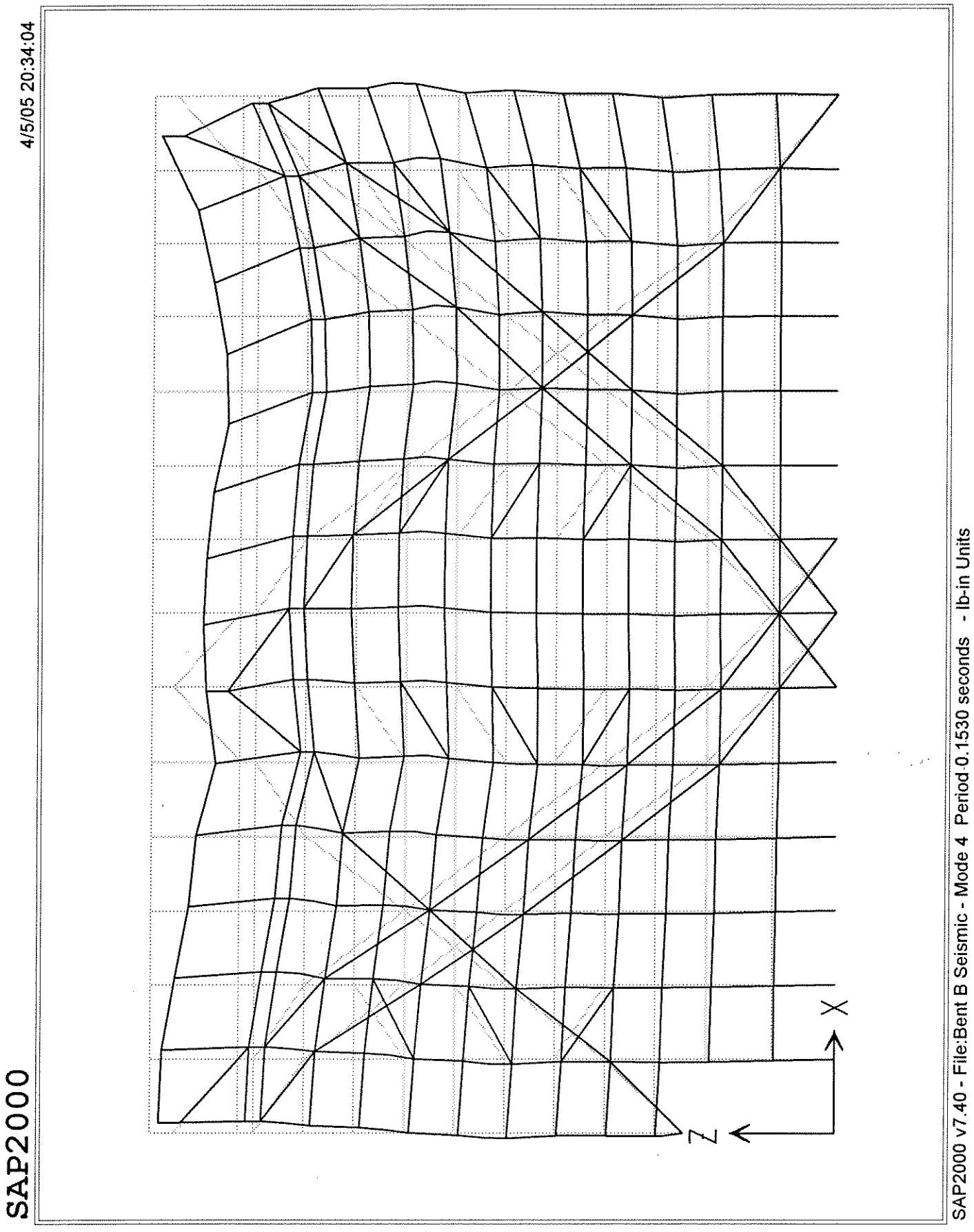
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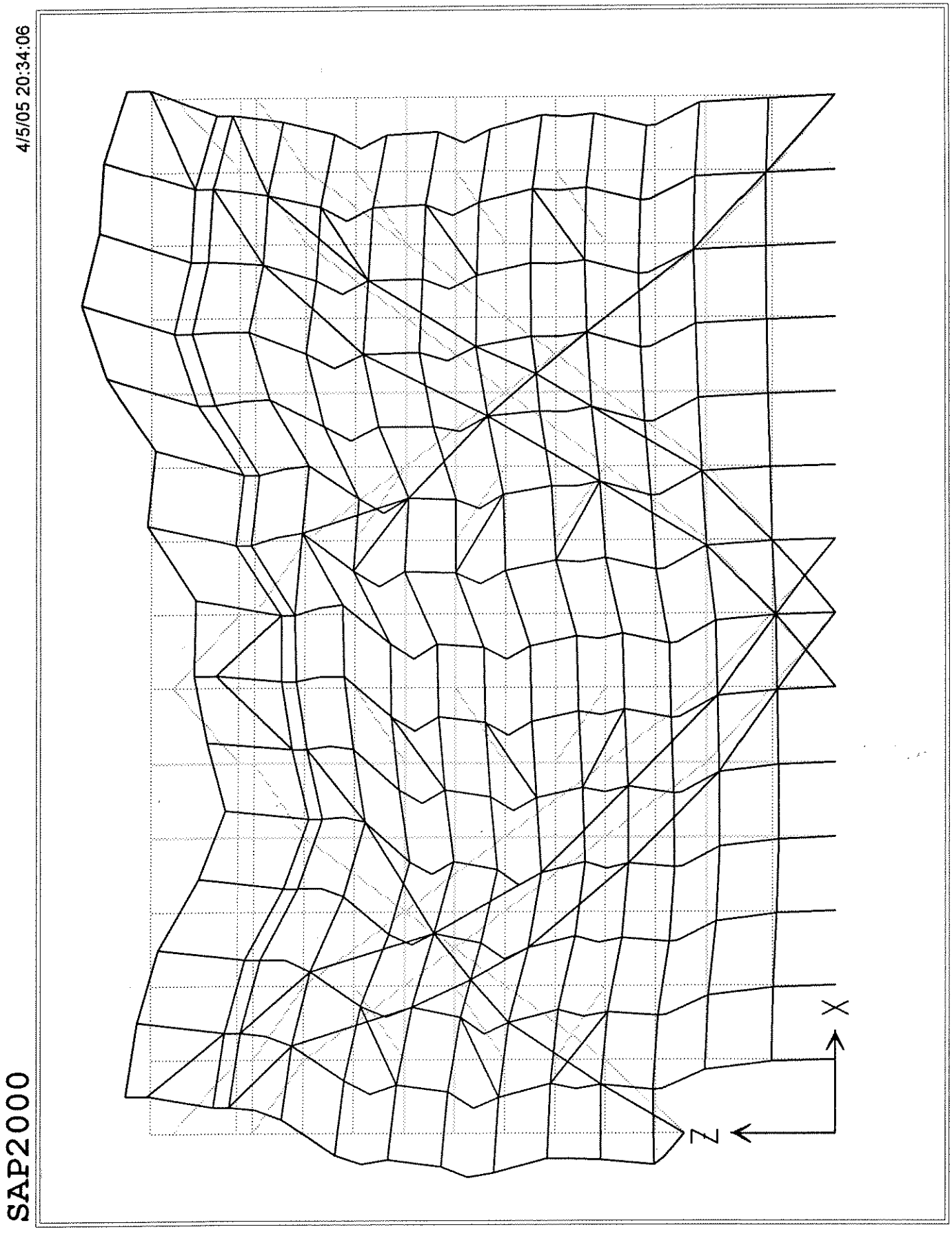
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4/5/05 20:34:06
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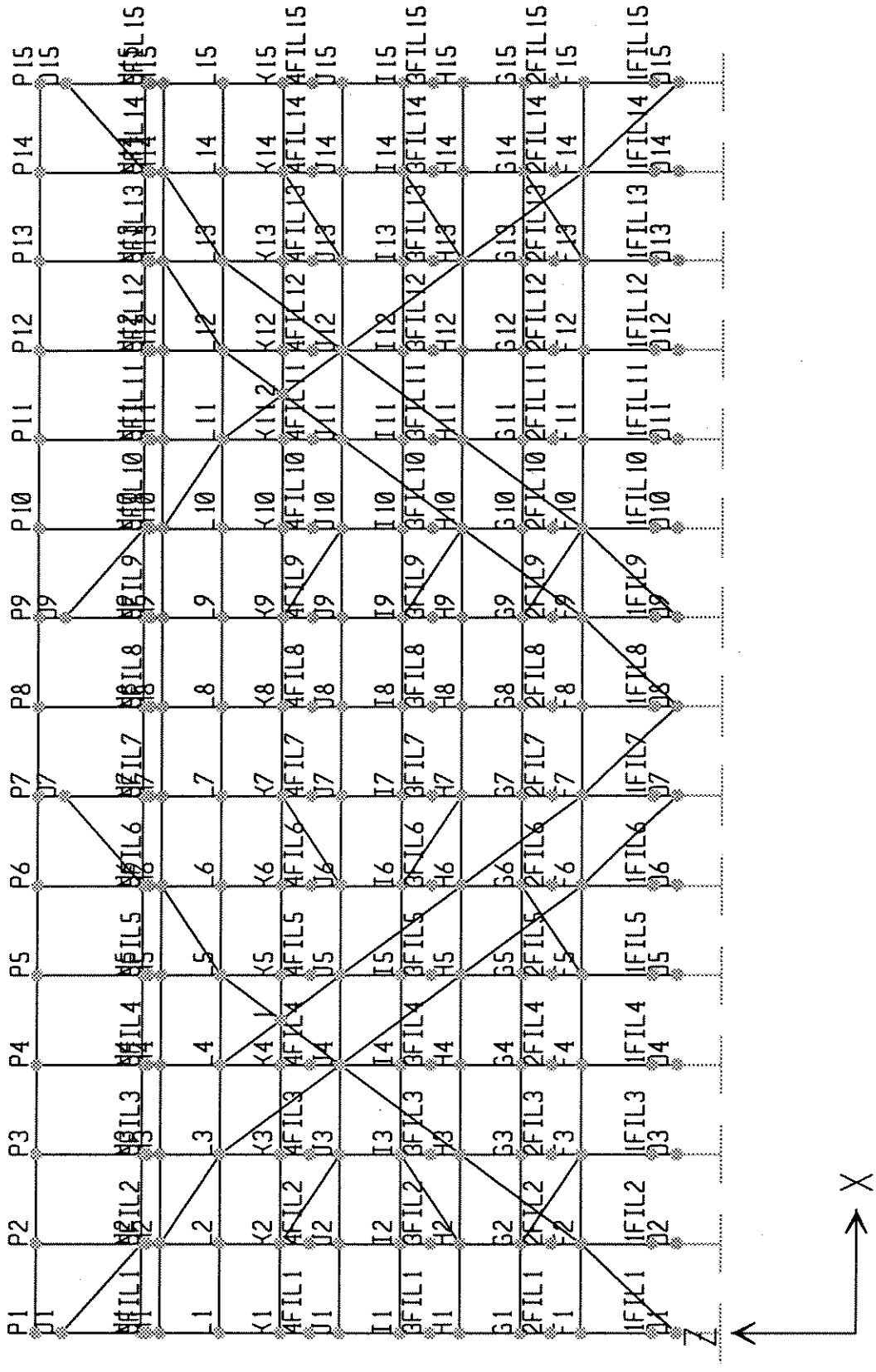
SAP2000 v7.40 - File:Bent B Seismic - Mode 5 Period 0.1432 seconds - lb-in Units

3/22/05 10:10:45

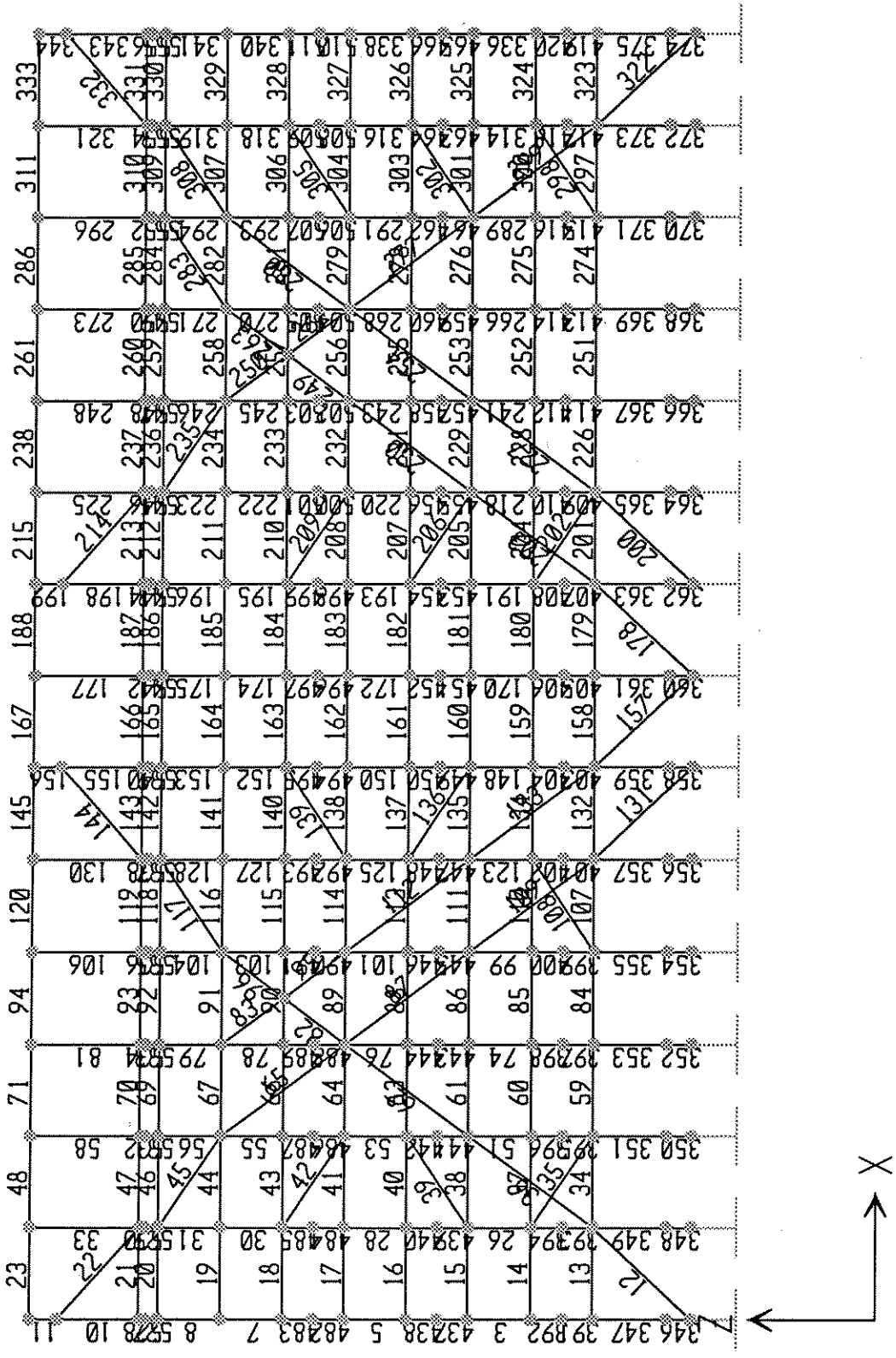
SAP2000



SAP2000 v7.40 - File:Bent C Seismic - X-Z Plane @ Y=120 - lb-in Units

3/22/05 10:10:52

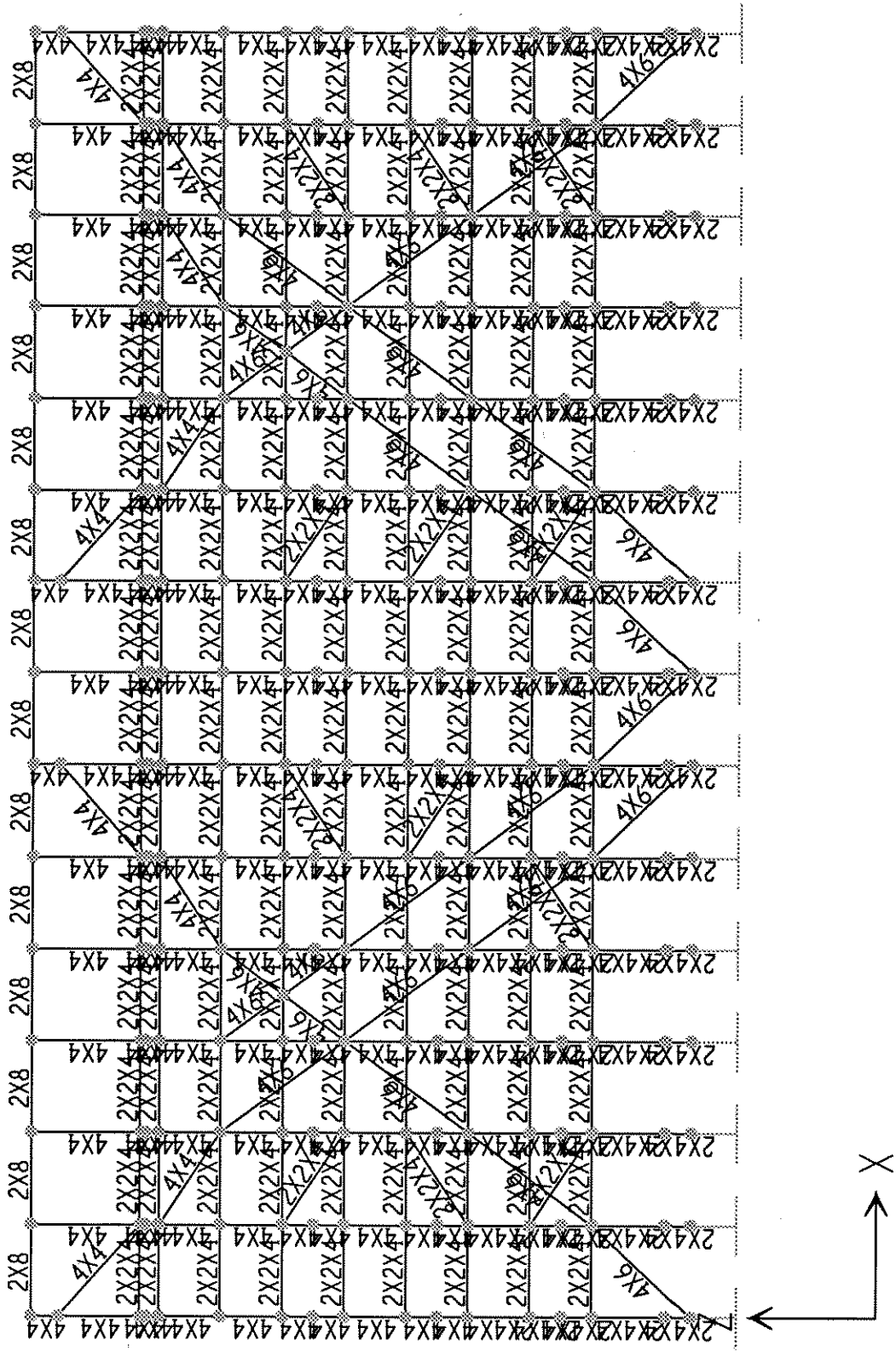
SAP2000



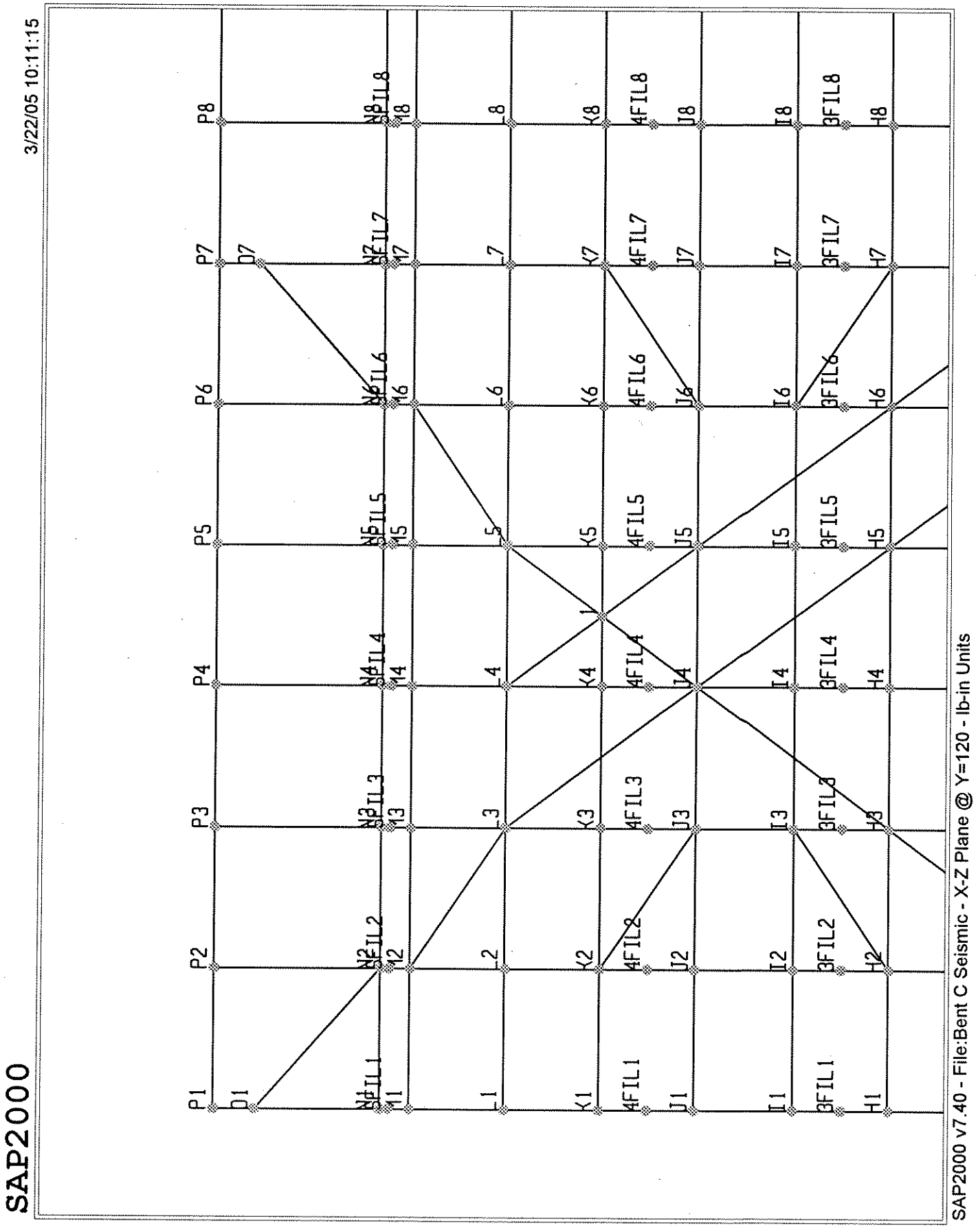
SAP2000 v7.40 - File:Bent C Seismic - X-Z Plane @ Y=120 - lb-in Units

3/22/05 10:11:00

SAP2000



SAP2000 v7.40 - File:Bent C Seismic - X-Z Plane @ Y=120 - lb-in Units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3/22/05 10:11:15
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P4
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P8
D1
D7
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N2
N3
N4
N5
N6
N7
N8
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H1
H2
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H4
H5
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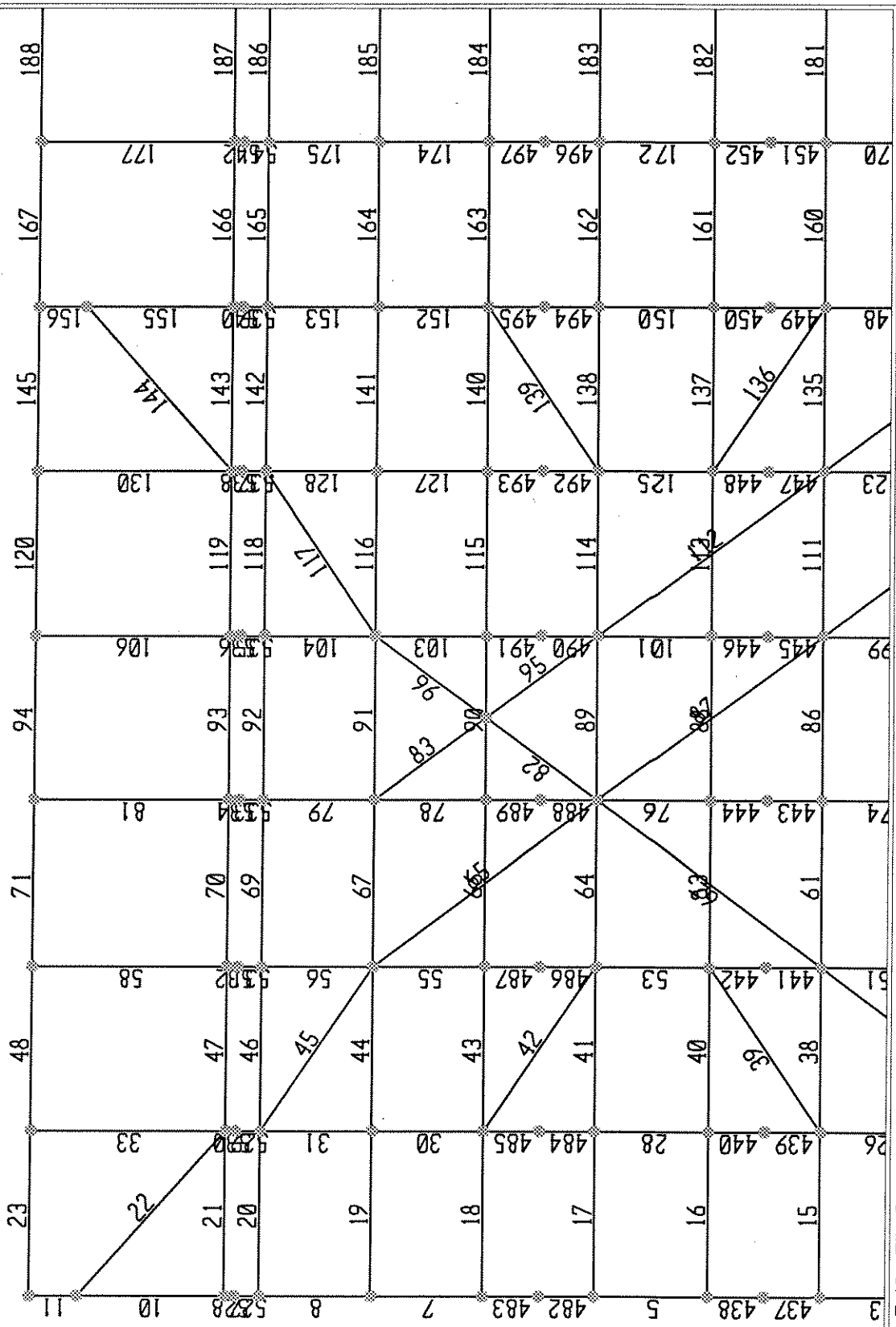
H8
SAP2000 v7.40 - File:Bent C Seismic - X-Z Plane @ Y=120 - lb-in Units

3/22/05 10:11:22



SAP2000

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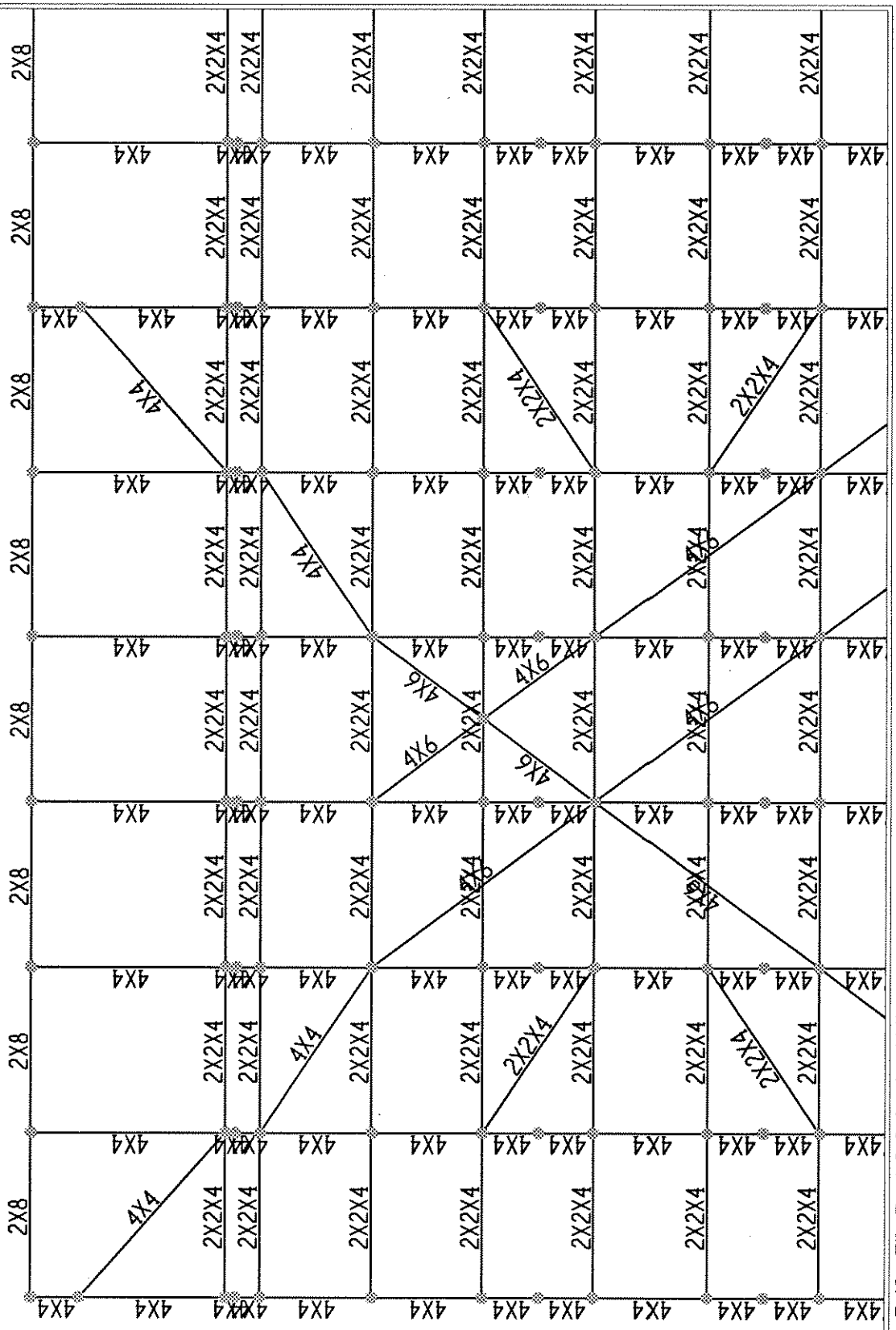
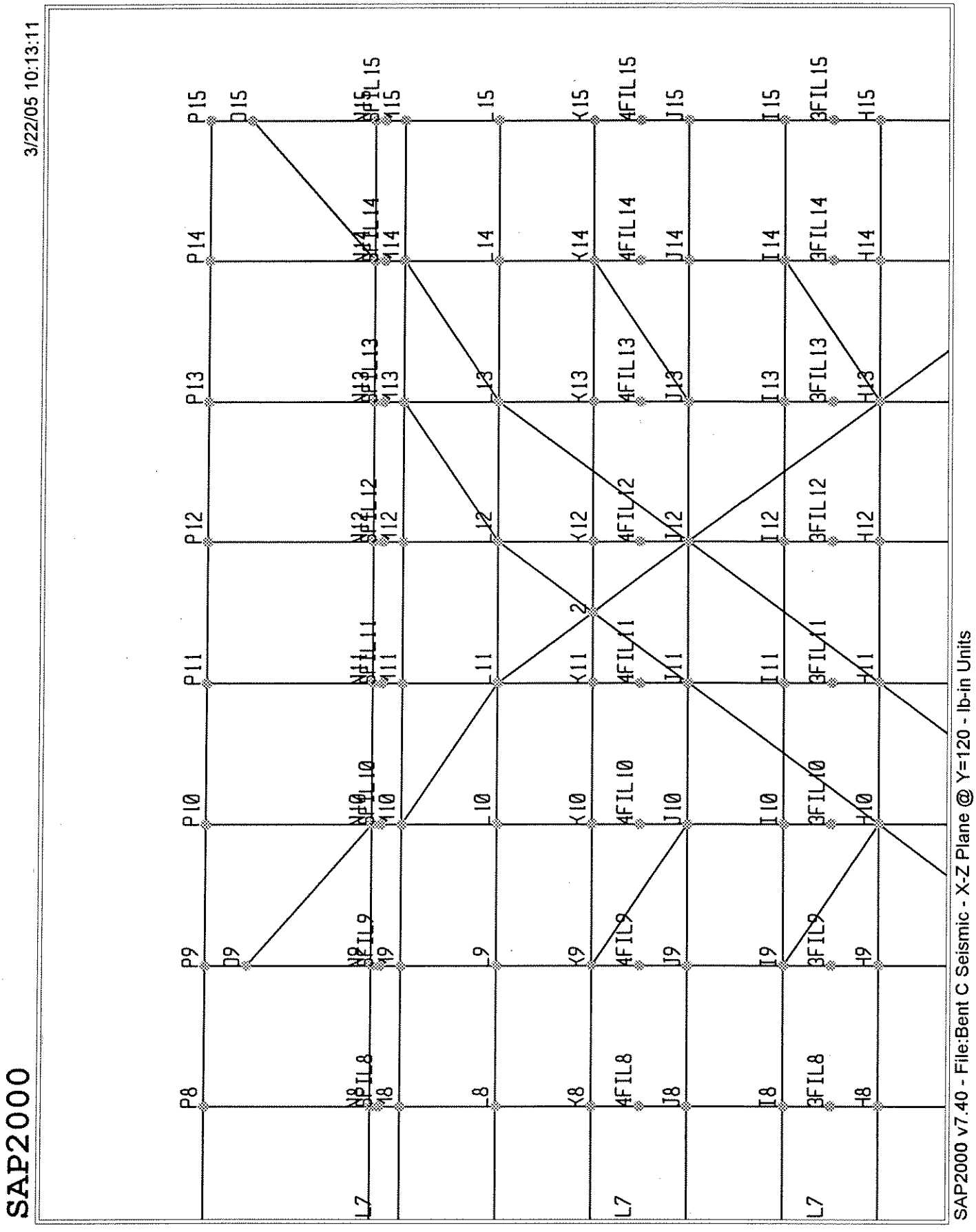
3/22/05 10:11:29

SAP2000



SAP2000 v7.40 - File:Bent C Seismic - X-Z Plane @ Y=120 - lb-in Units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3/22/05 10:13:11
P8
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P11
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P13
P14
P15
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D9
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J15
H8
H9
H10
H11
H12
H13
H14
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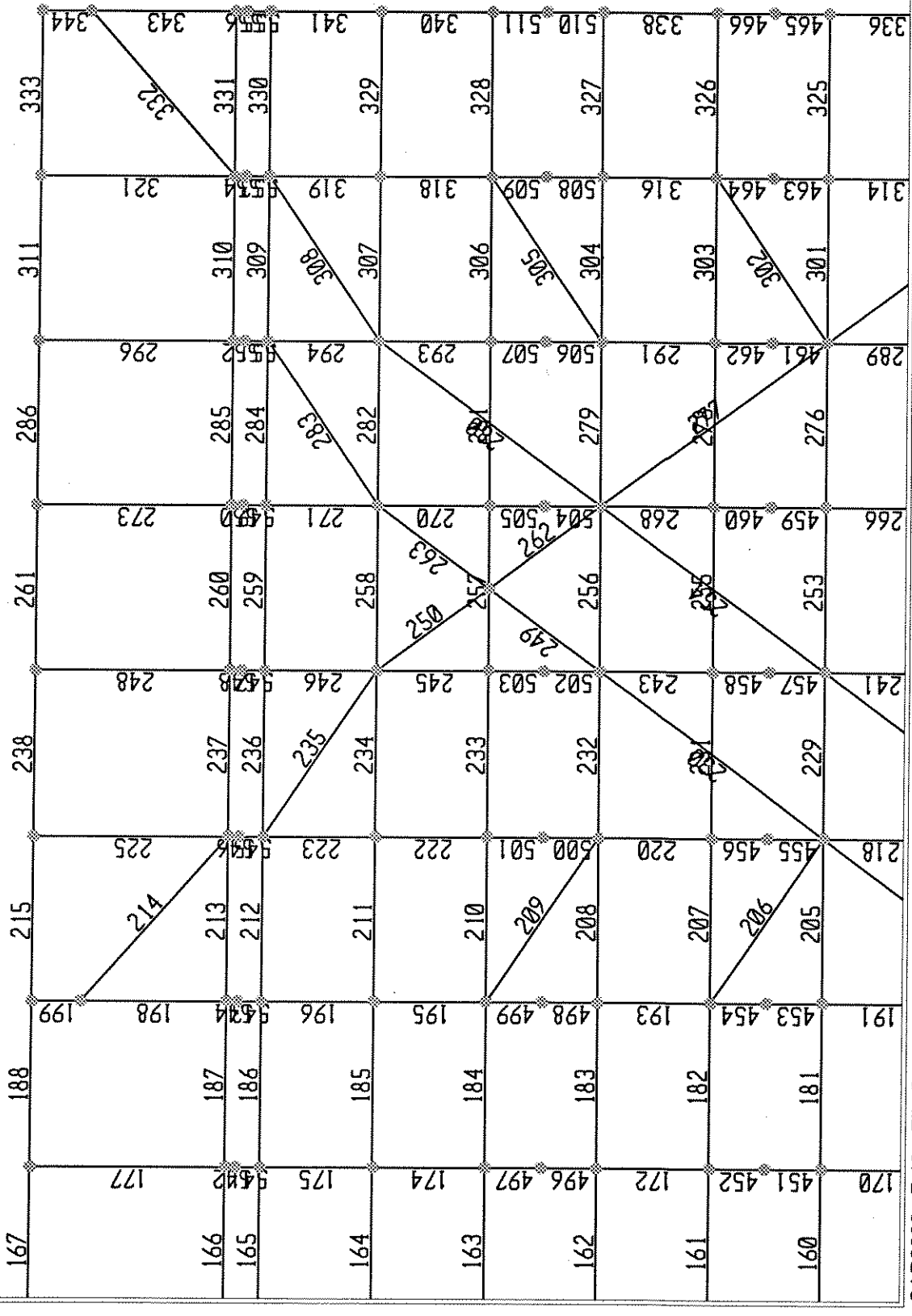
3/22/05 10:13:16

SAP2000



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3/22/05 10:13:23

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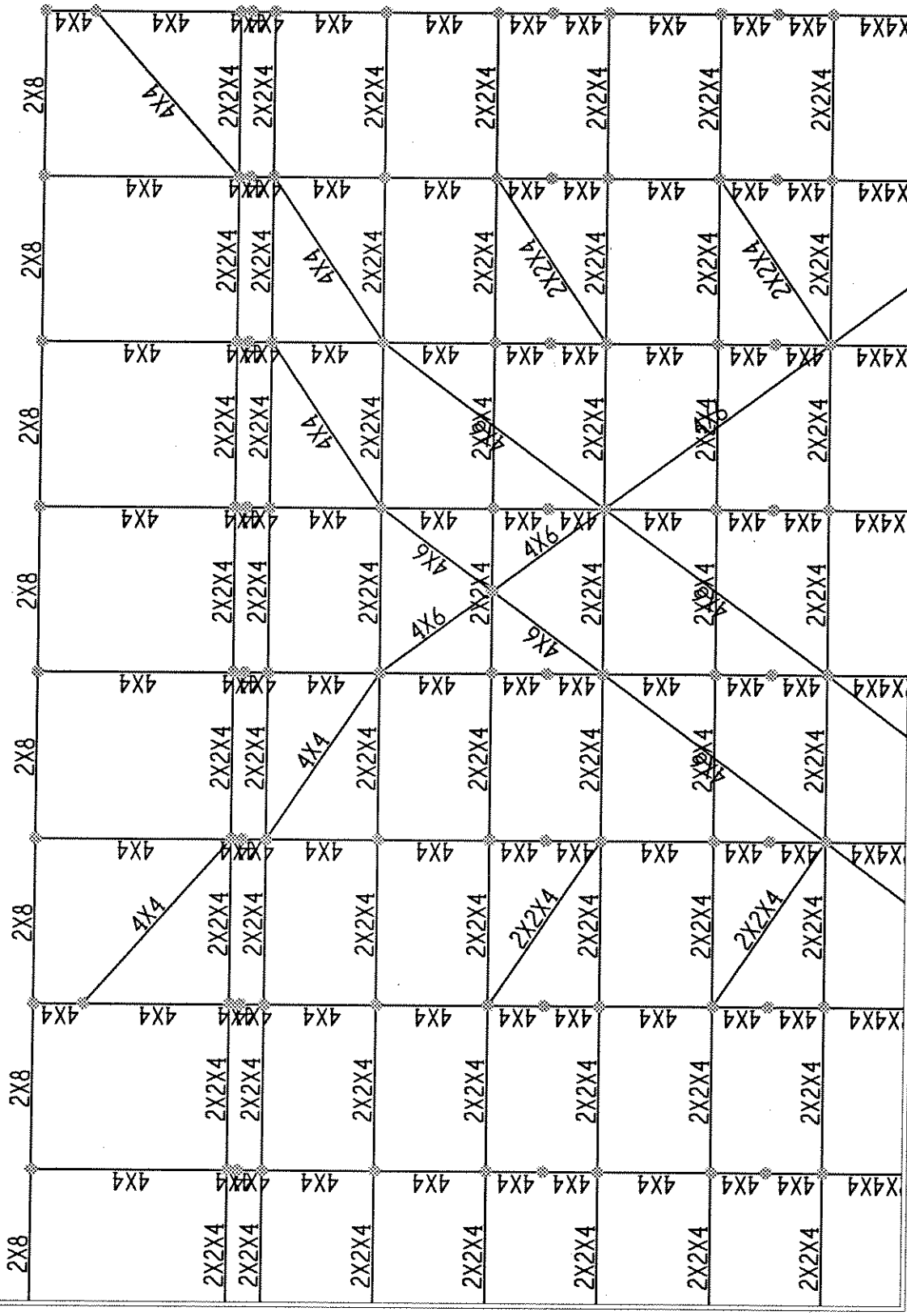

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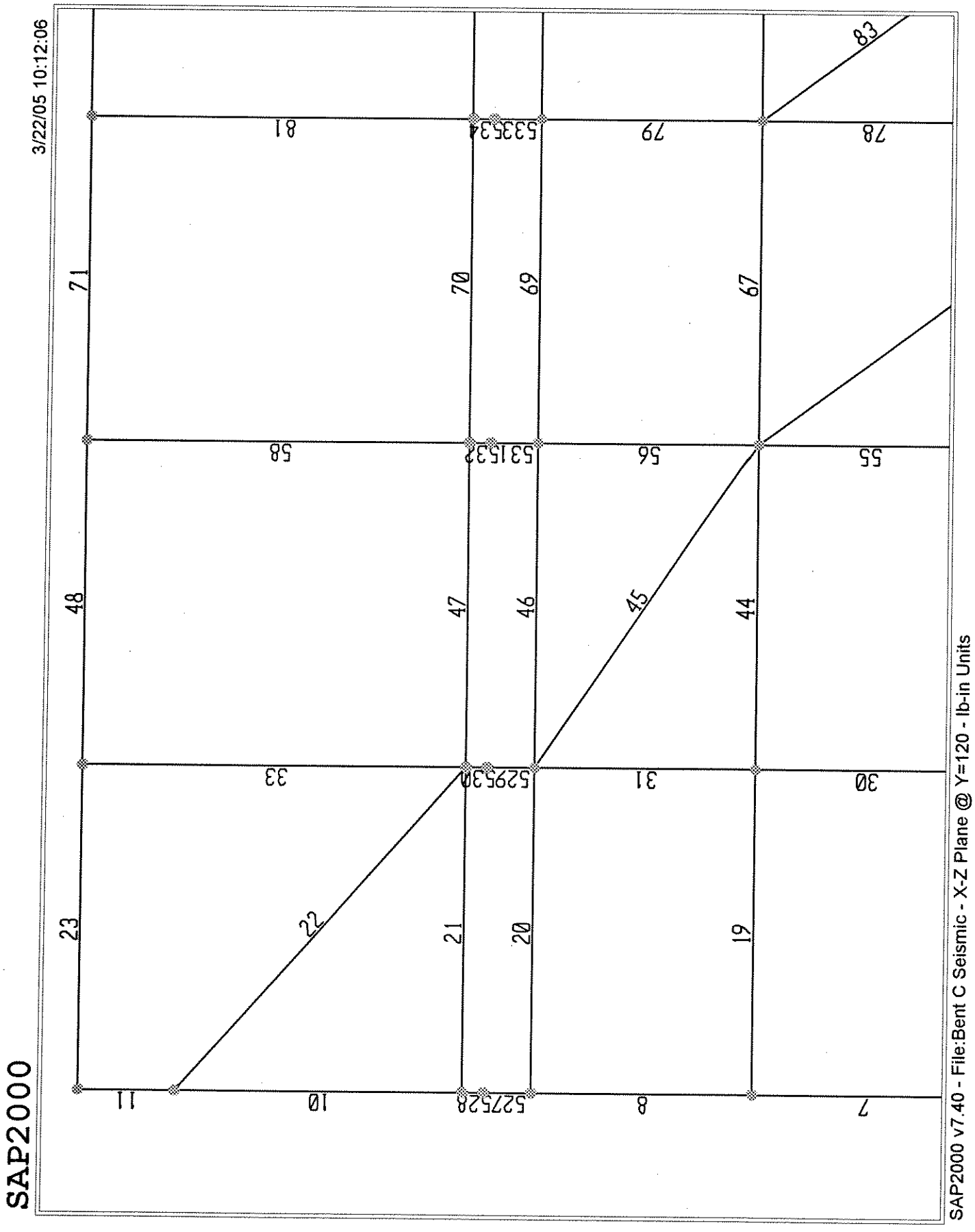
3/22/05 10:12:06
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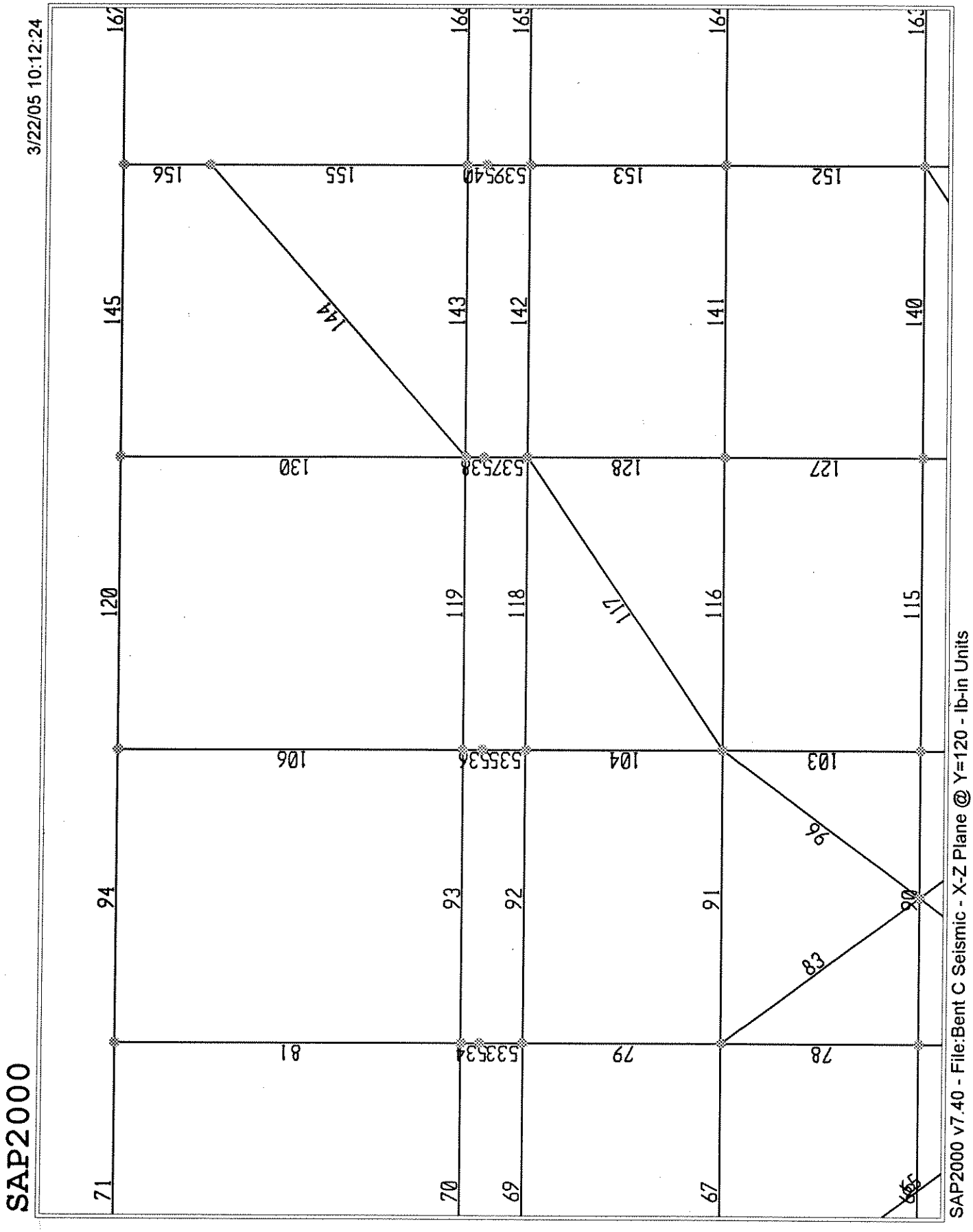
11
SAP2000 v7.40 - File:Bent C Seismic - X-Z Plane @ Y=120 - lb-in Units


SAP2000
3/22/05 10:12:24
SAP2000 v7.40 - File:Bent C Seismic - X-Z Plane @ Y=120 - lb-in Units
162
161
160
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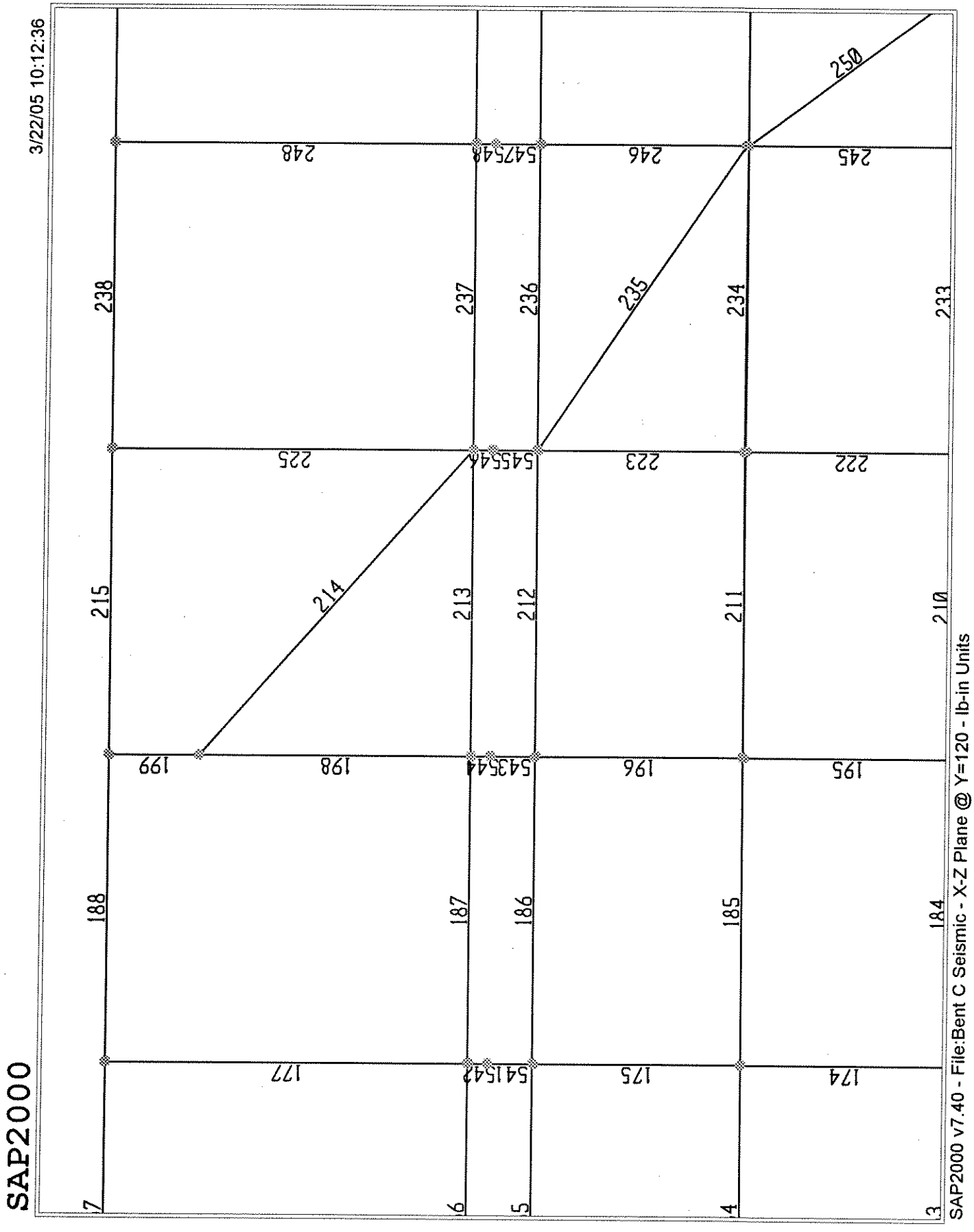
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543544
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184
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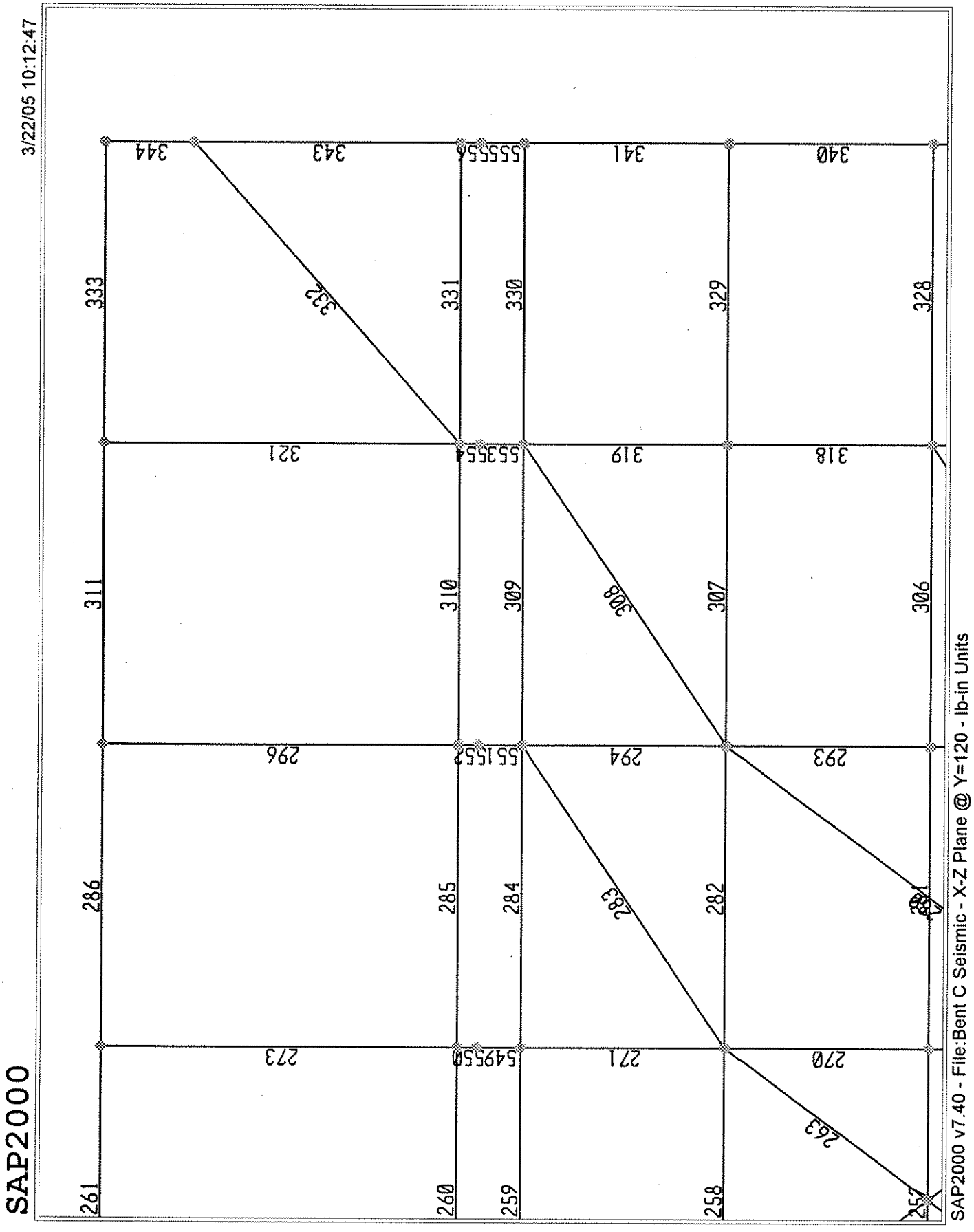
6
5
4
3
SAP2000 v7.40 - File:Bent C Seismic - X-Z Plane @ Y=120 - lb-in Units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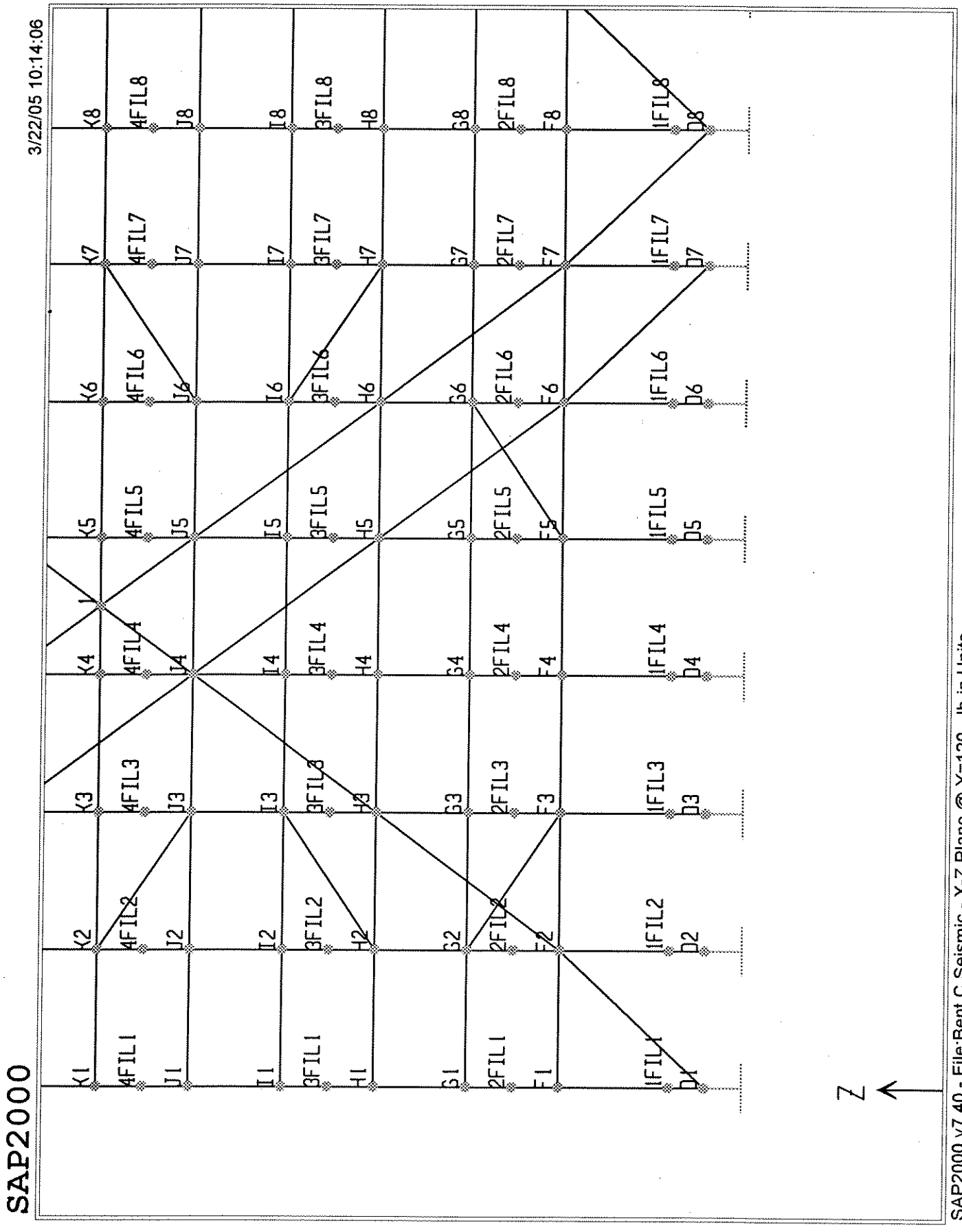
263
SAP2000 v7.40 - File:Bent C Seismic - X-Z Plane @ Y=120 - lb-in Units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3/22/05 10:14:06
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4FIL7
4FIL8
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G4
G5
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1FIL6
1FIL7
1FIL8
D1
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D7
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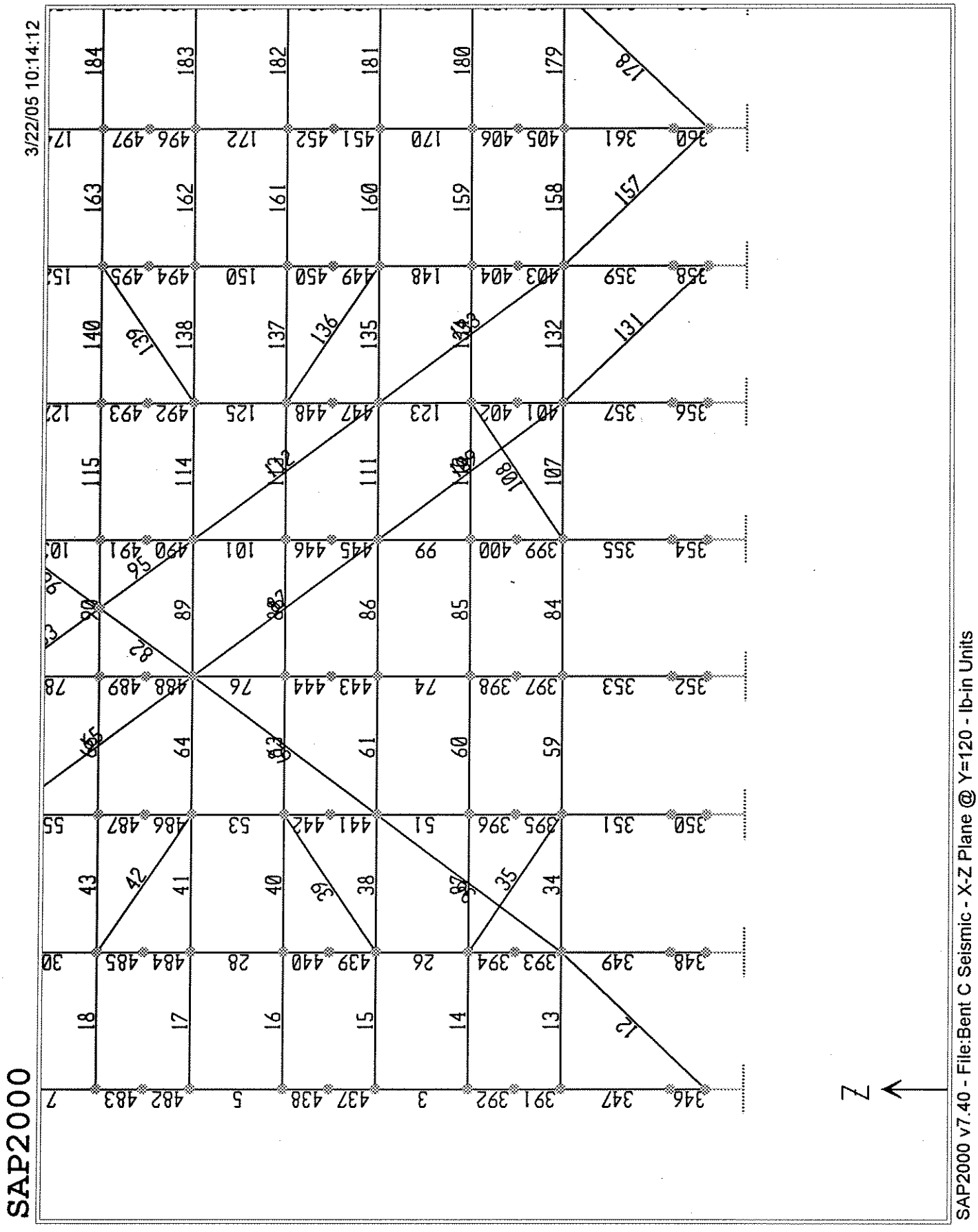
Z
SAP2000 v7.40 - File:Bent C Seismic - X-Z Plane @ Y=120 - lb-in Units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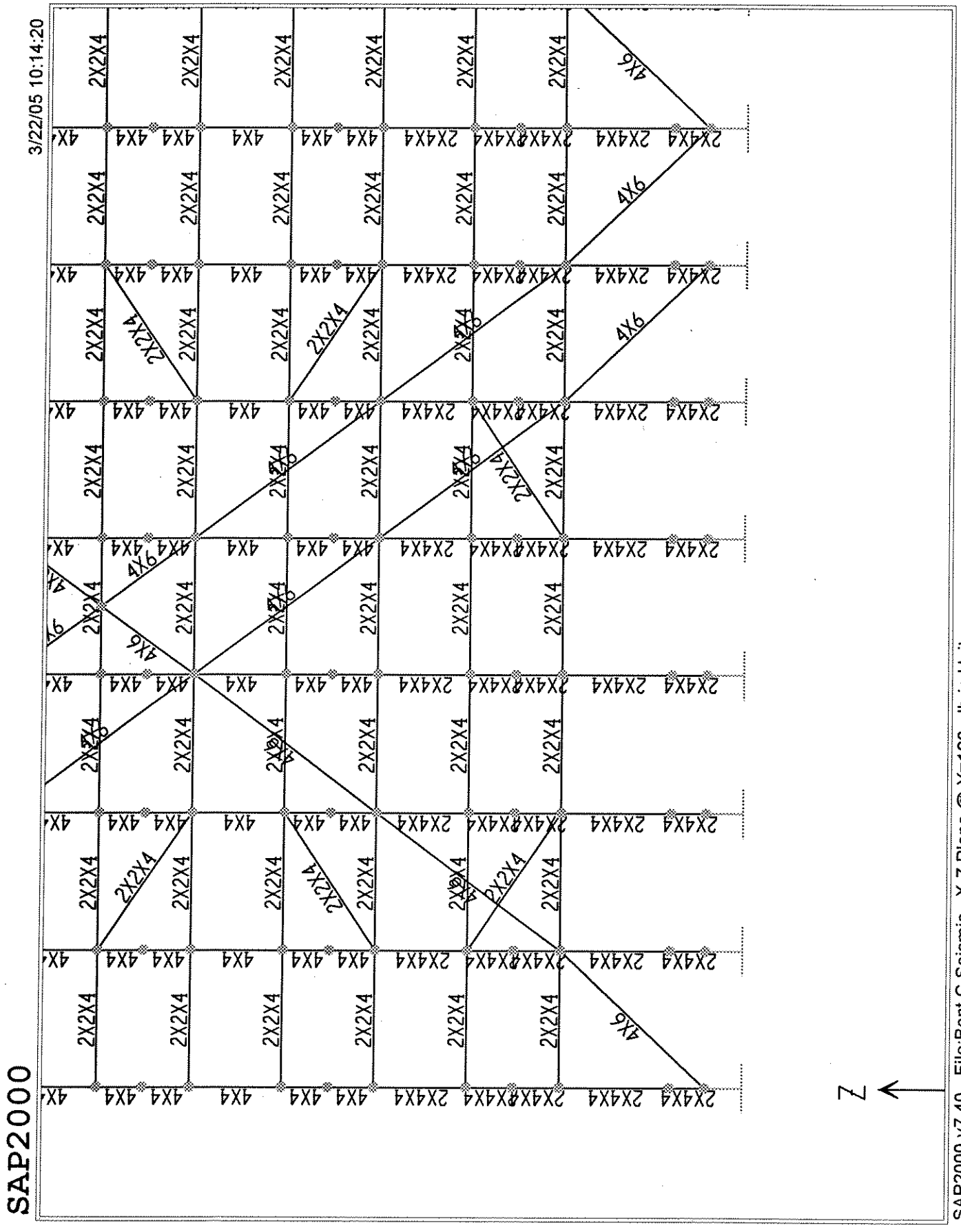
3/22/05 10:14:12
SAP2000 v7.40 - File:Bent C Seismic - X-Z Plane @ Y=120 - lb-in Units
Z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3/22/05 10:14:20
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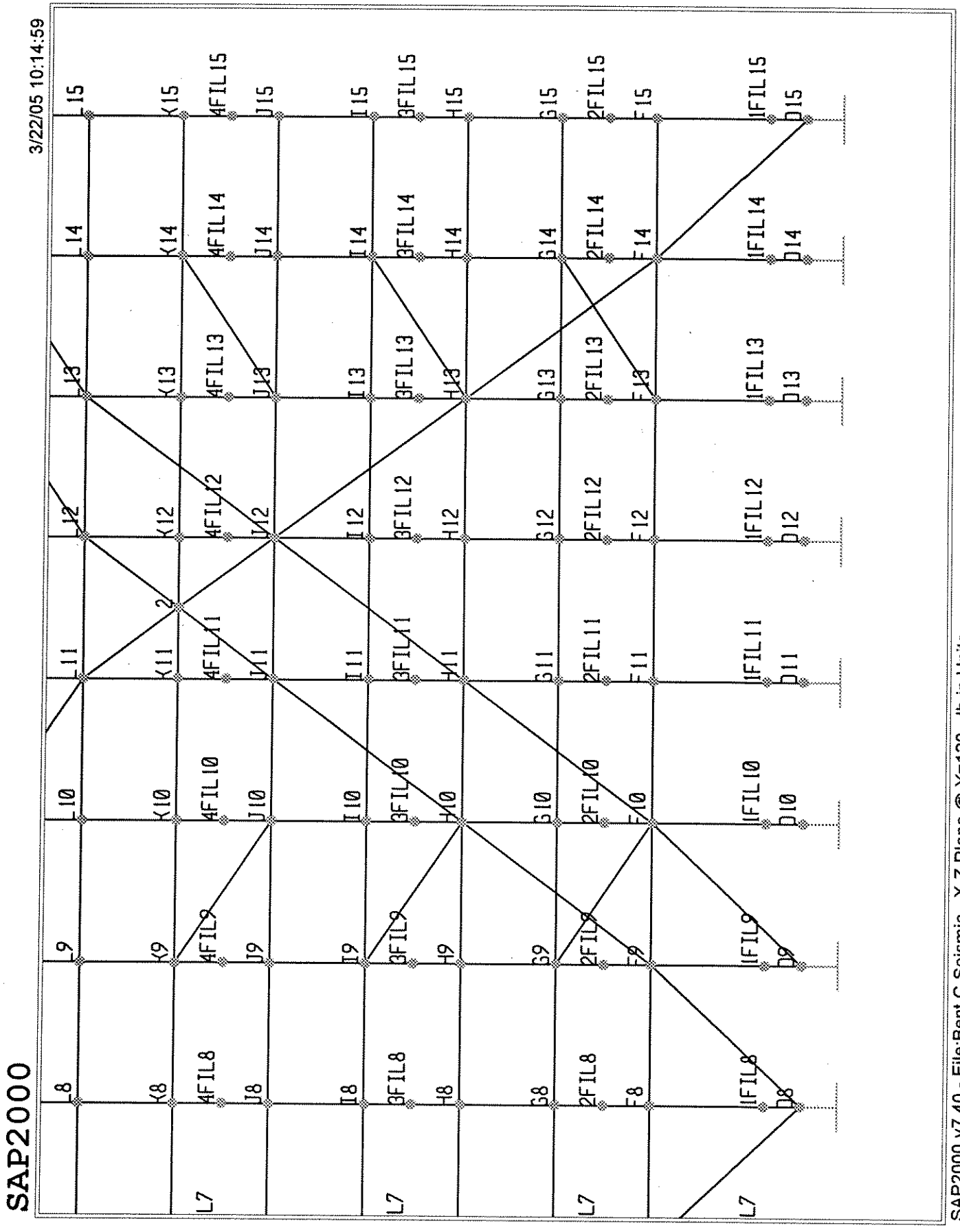
4X6
2X4X4
4X4
Z
SAP2000 v7.40 - File:Bent C Seismic - X-Z Plane @ Y=120 - lb-in Units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I14
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L7
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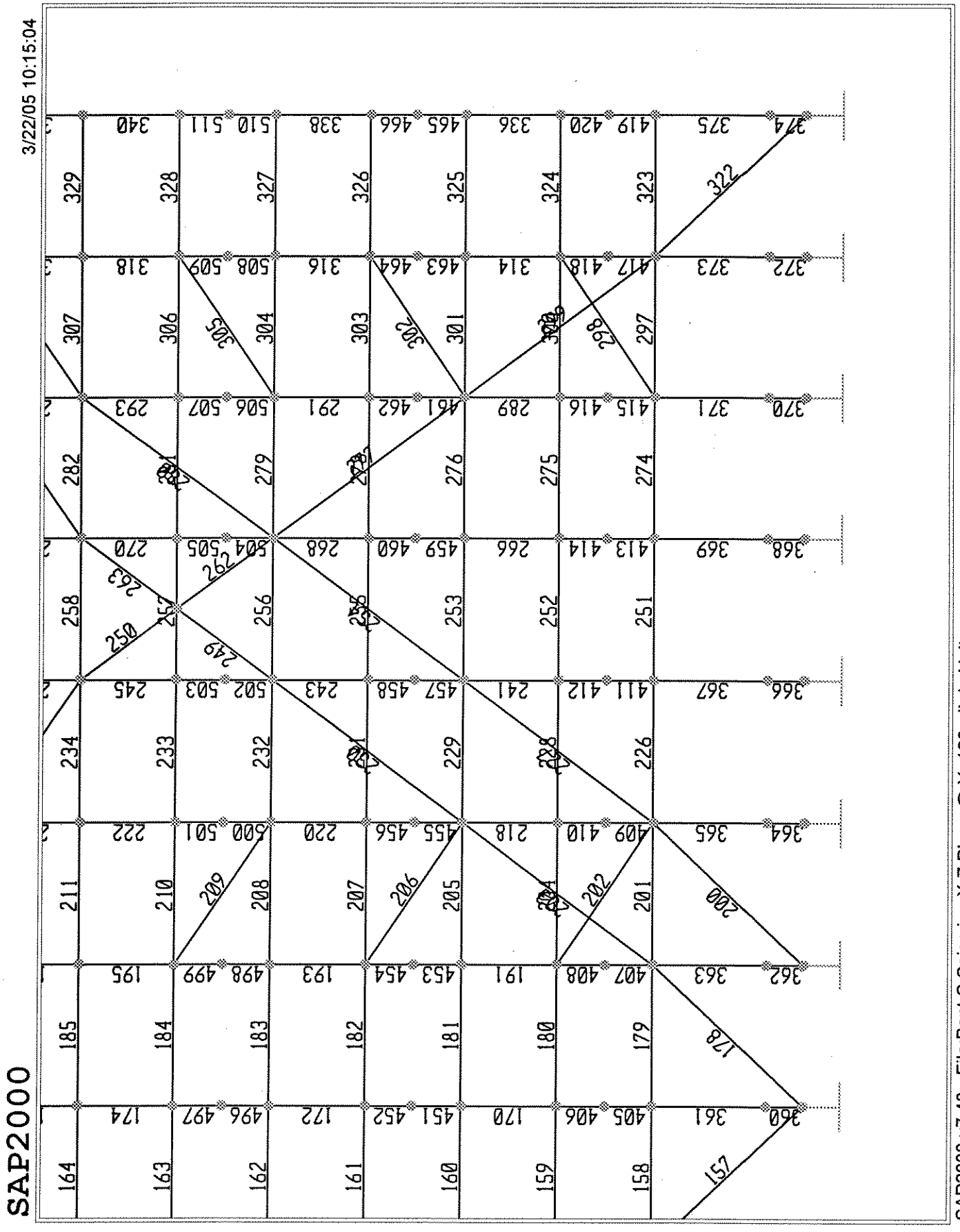
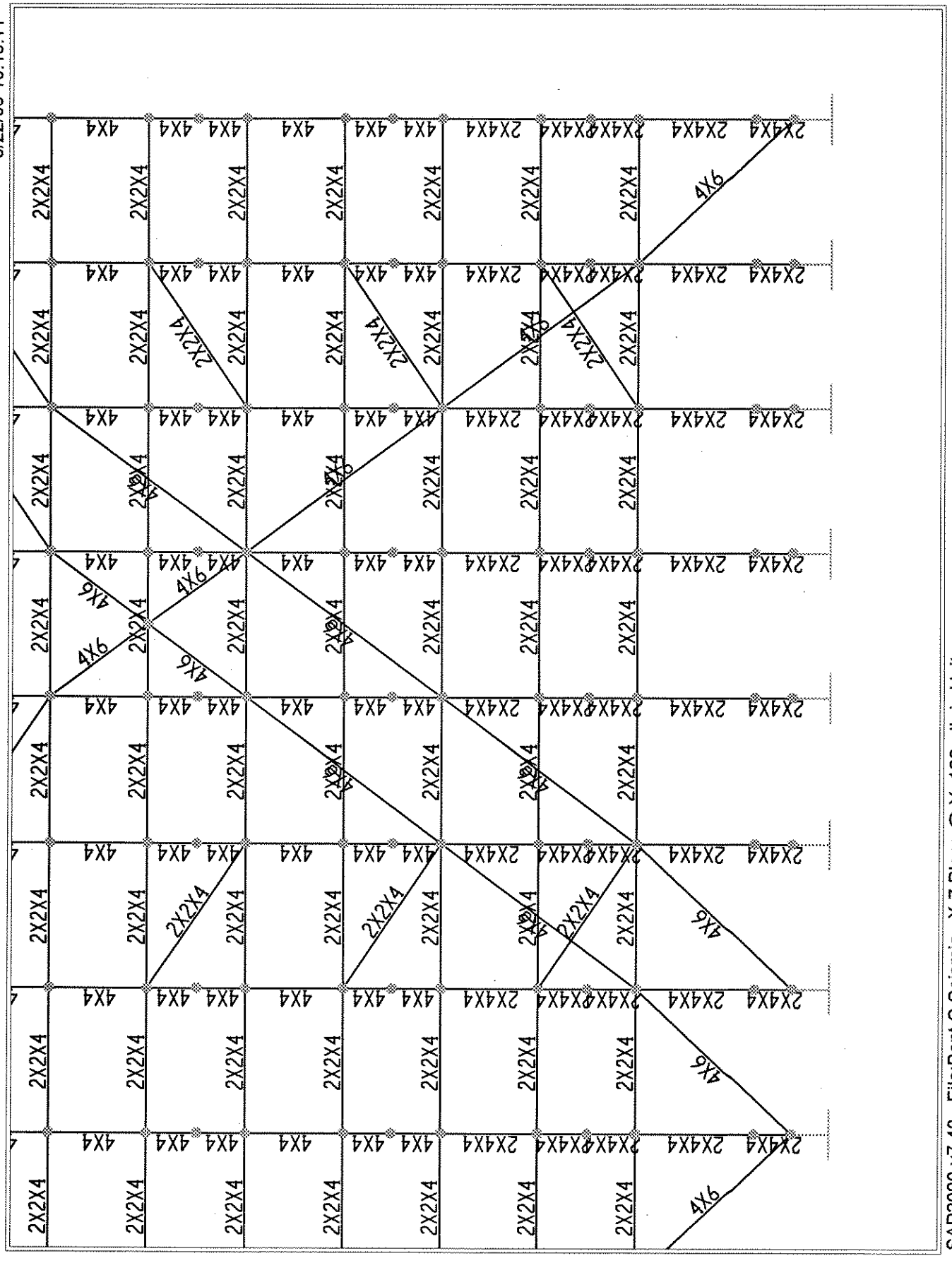
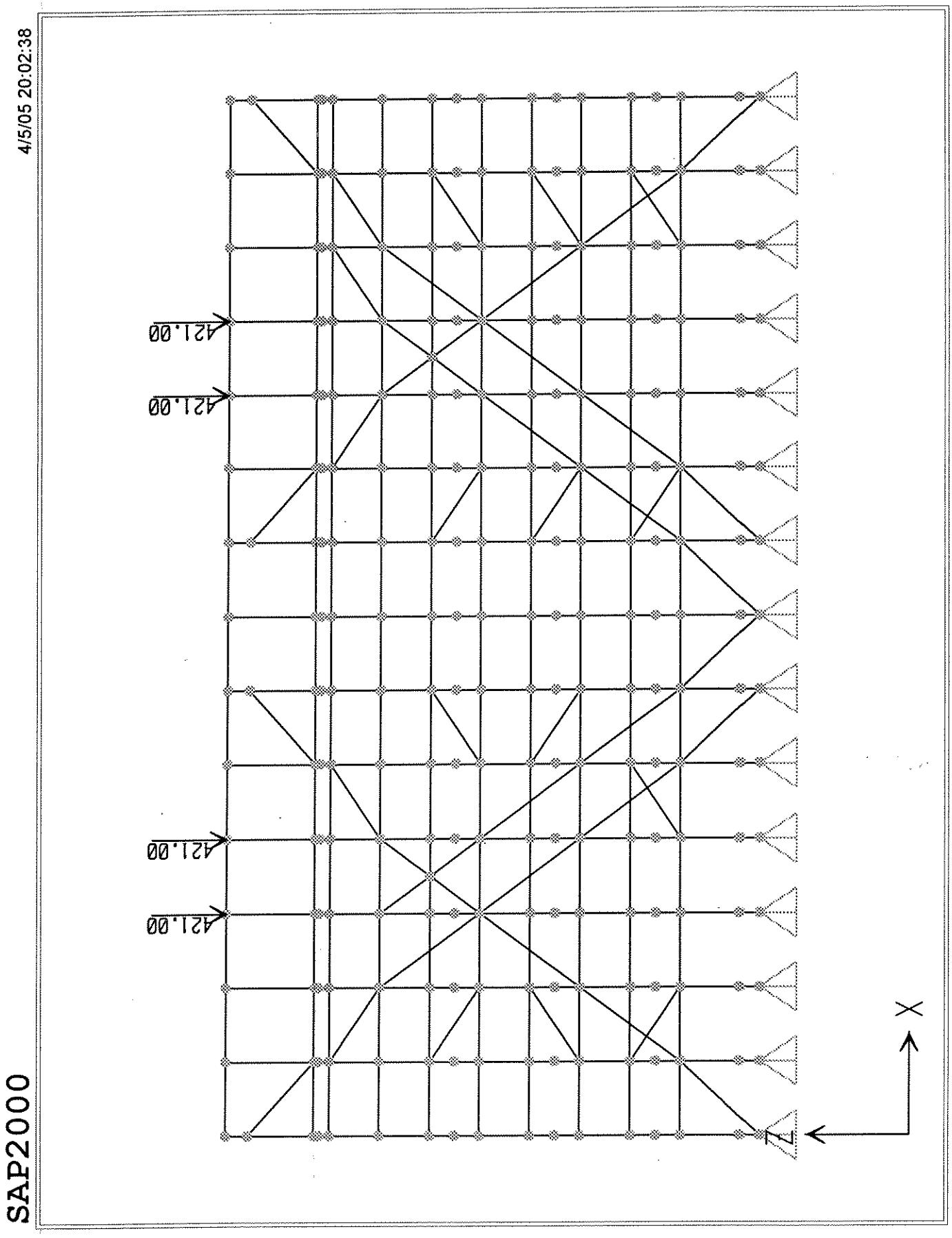

SAP2000
3/22/05 10:15:04
SAP2000 v7.40 - File:Bent C Seismic - X-Z Plane @ Y=120 - lb-in Units

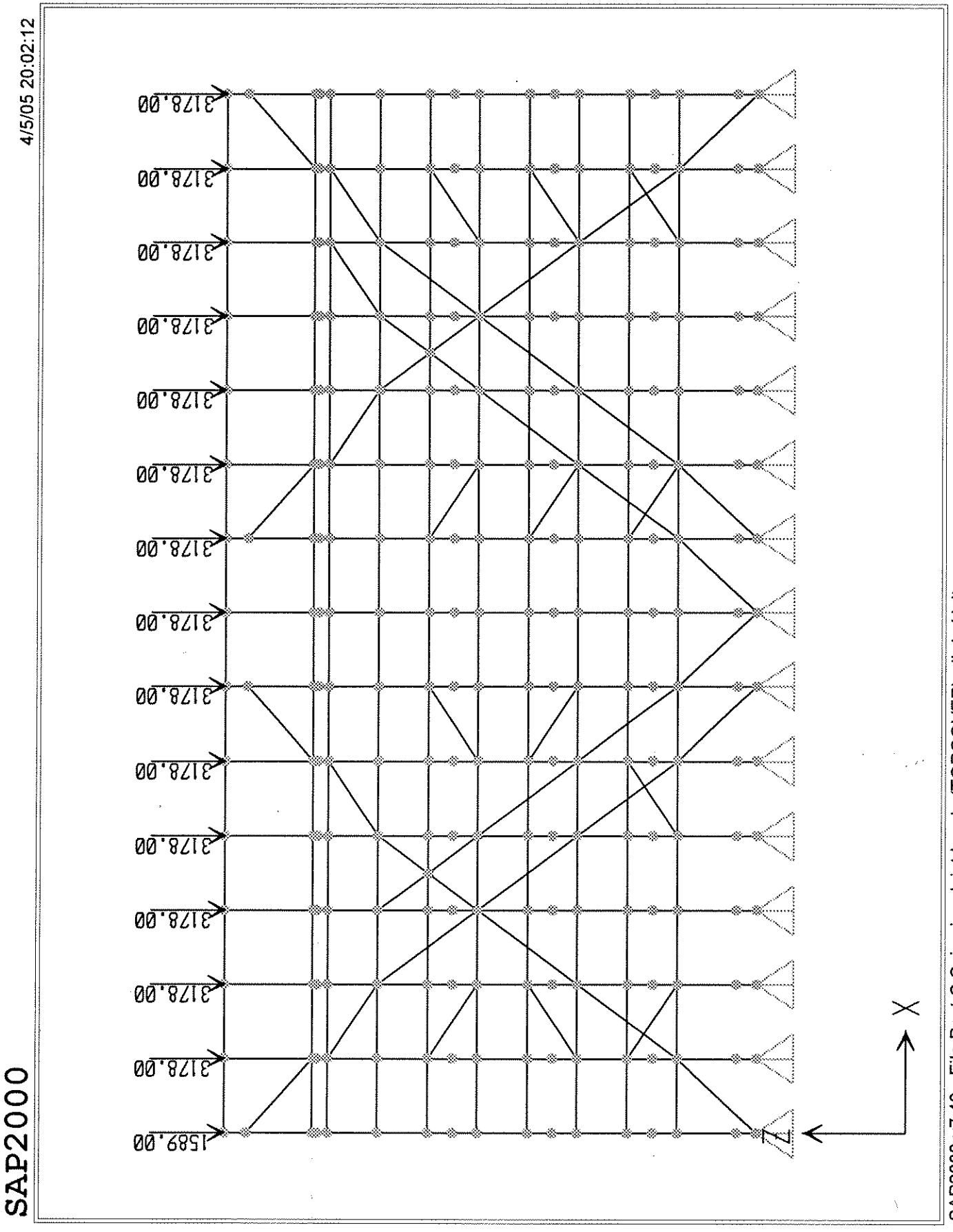
3/22/05 10:15:11

SAP2000



SAP2000 v7.40 - File:Bent C Seismic - X-Z Plane @ Y=120 - lb-in Units


SAP2000
4/5/05 20:02:38
421.00
421.00
421.00
421.00
X
Z
SAP2000 v7.40 - File:Bent C Seismic - Joint Loads (FANMOTOR) - lb-in Units


SAP2000
4/5/05 20:02:12
3178.00
3178.00
3178.00
3178.00
3178.00
3178.00
3178.00
3178.00
3178.00
3178.00
3178.00
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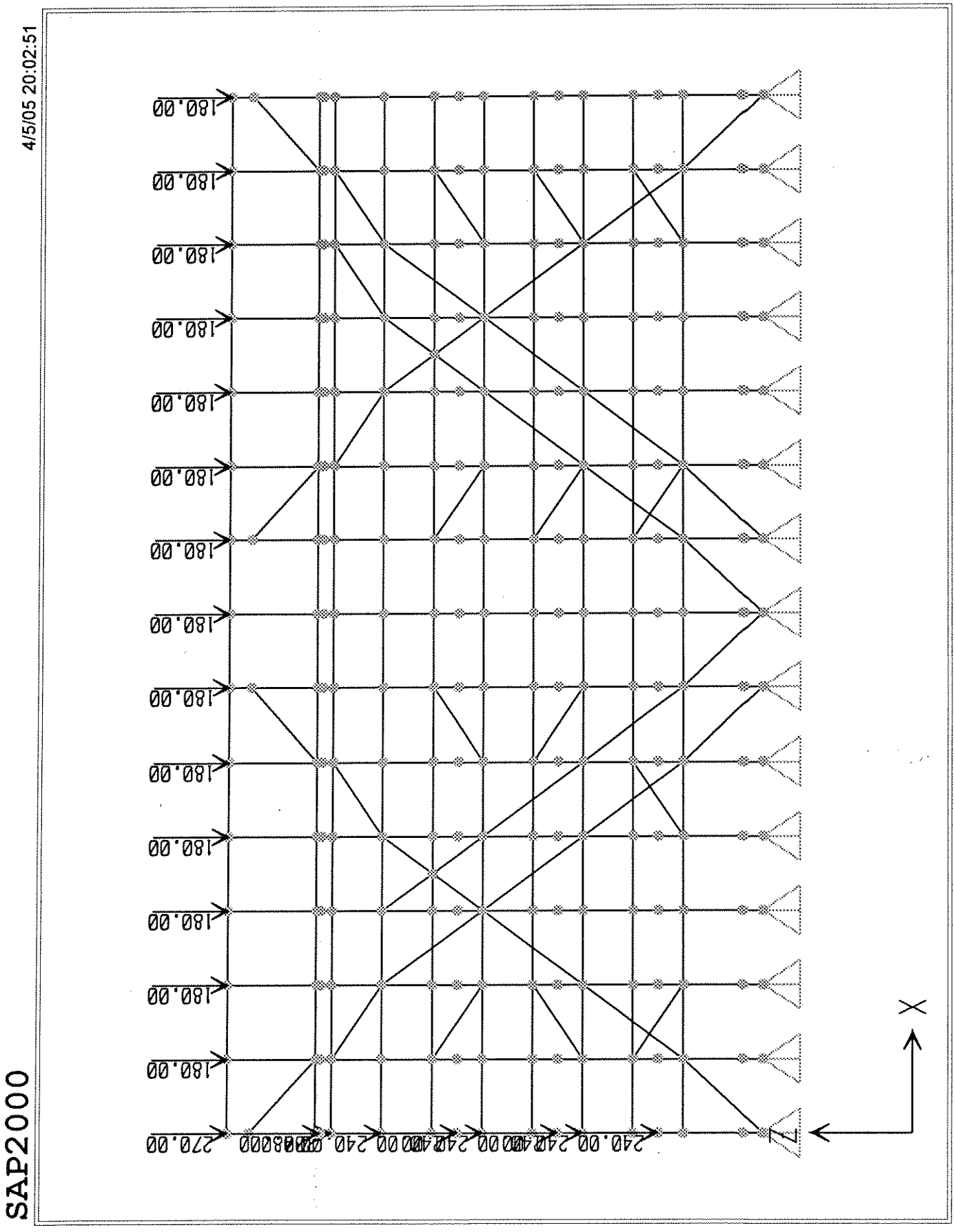
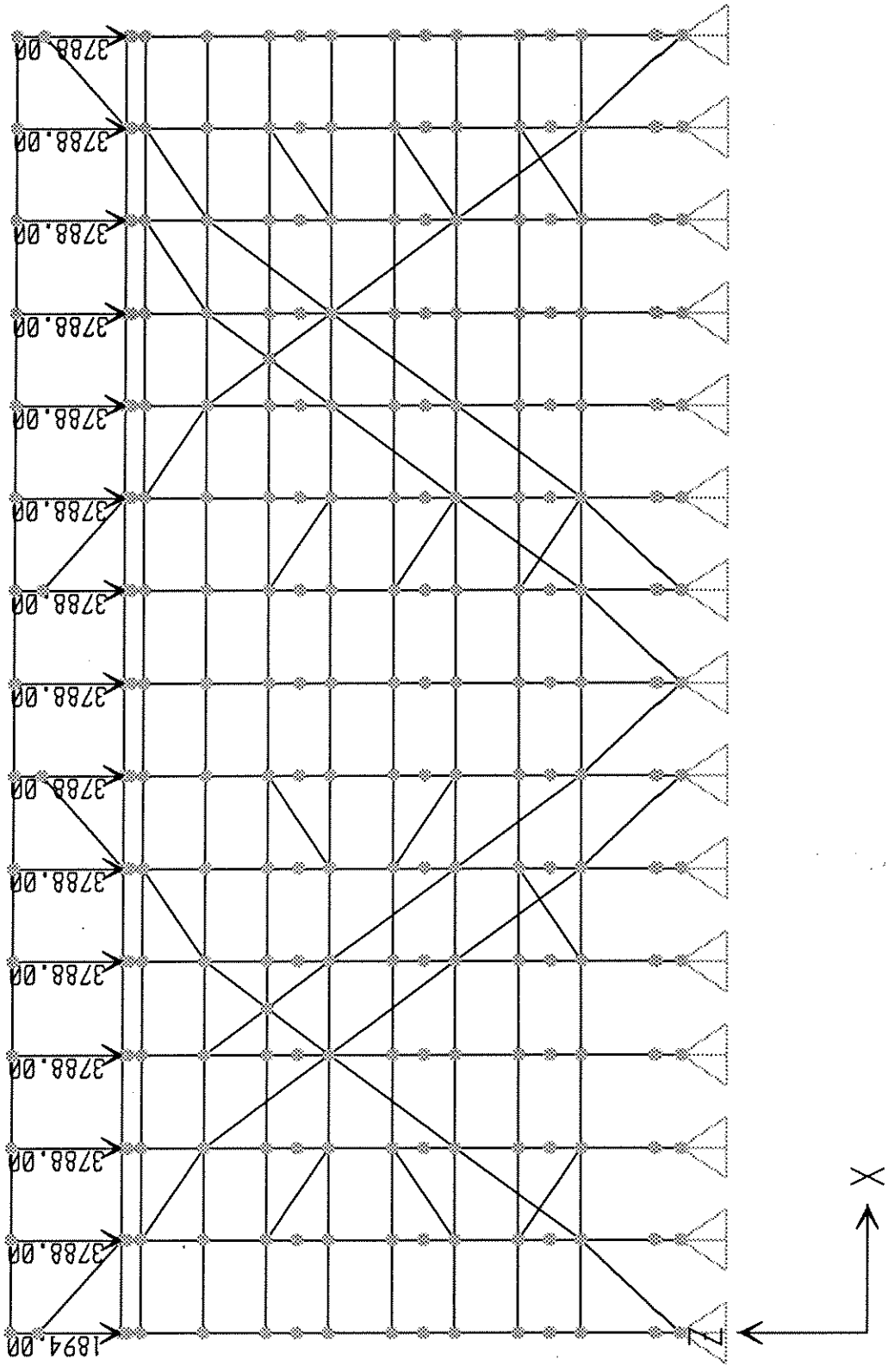
3178.00
1589.00
Z
X
SAP2000 v7.40 - File:Bent C Seismic - Joint Loads (TOPCOVER) - lb-in Units


SAP2000
4/5/05 20:02:51
180.00
270.00
240.00
X
SAP2000 v7.40 - File:Bent C Seismic - Joint Loads (CABLETRY) - lb-in Units

4/5/05 20:01:56

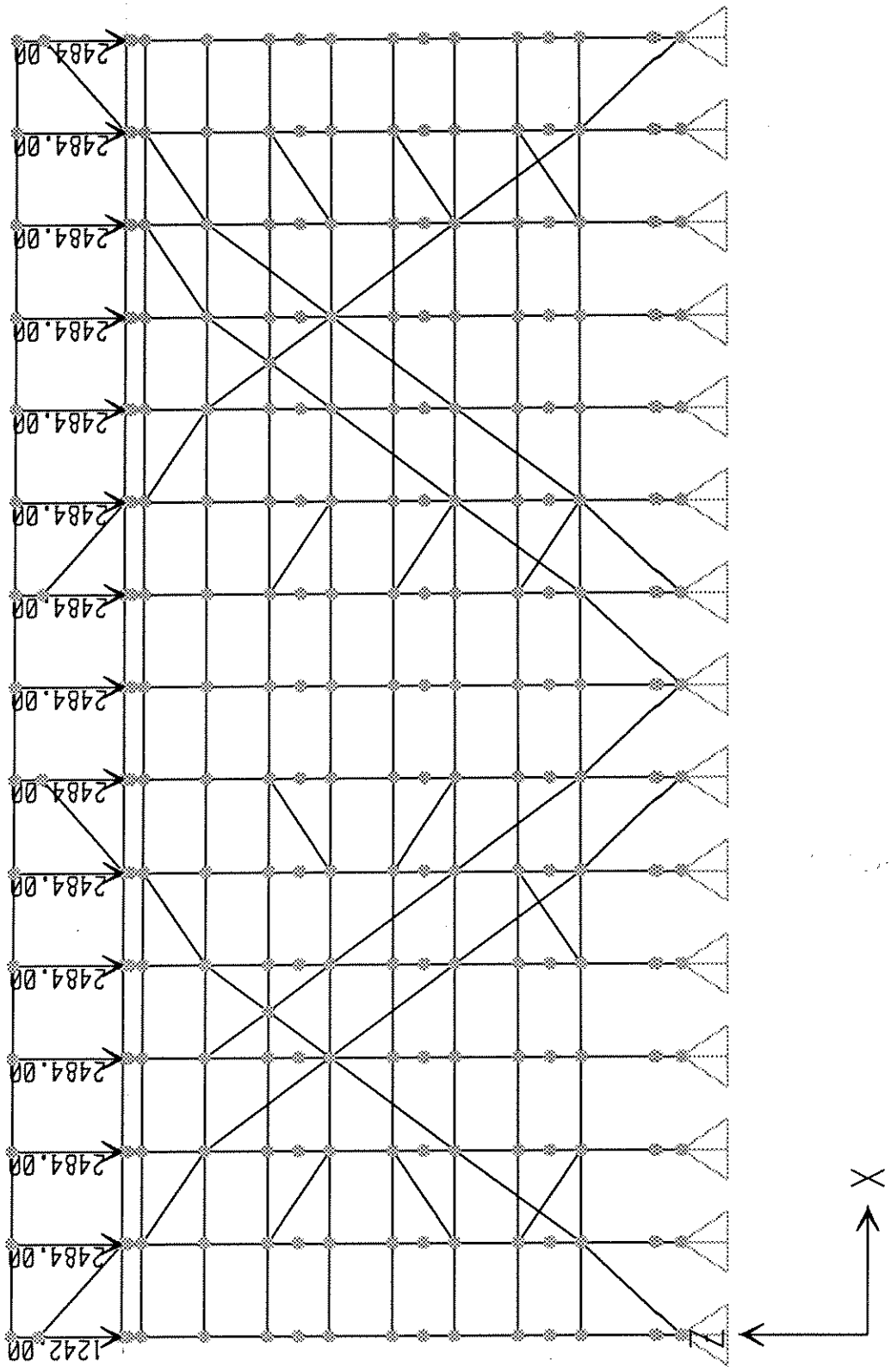
SAP2000



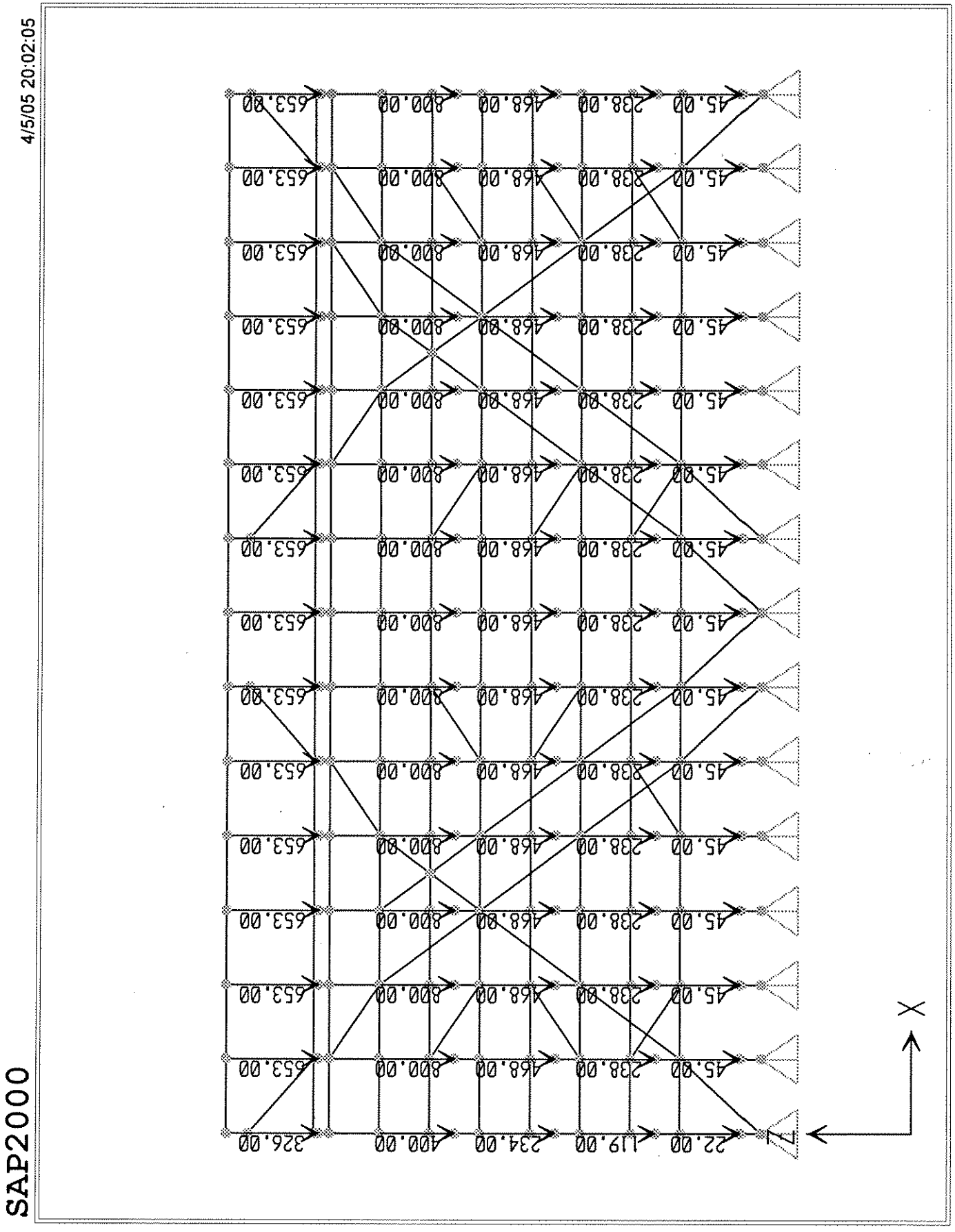
SAP2000 v7.40 - File:Bent C Seismic - Joint Loads (MANIFOLD) - lb-in Units

4/5/05 20:02:27

SAP2000



SAP2000 v7.40 - File:Bent C Seismic - Joint Loads (HOTBASIN) - lb-in Units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4/5/05 20:02:05
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234.00
400.00
326.00
45.00
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468.00
800.00
653.00
X
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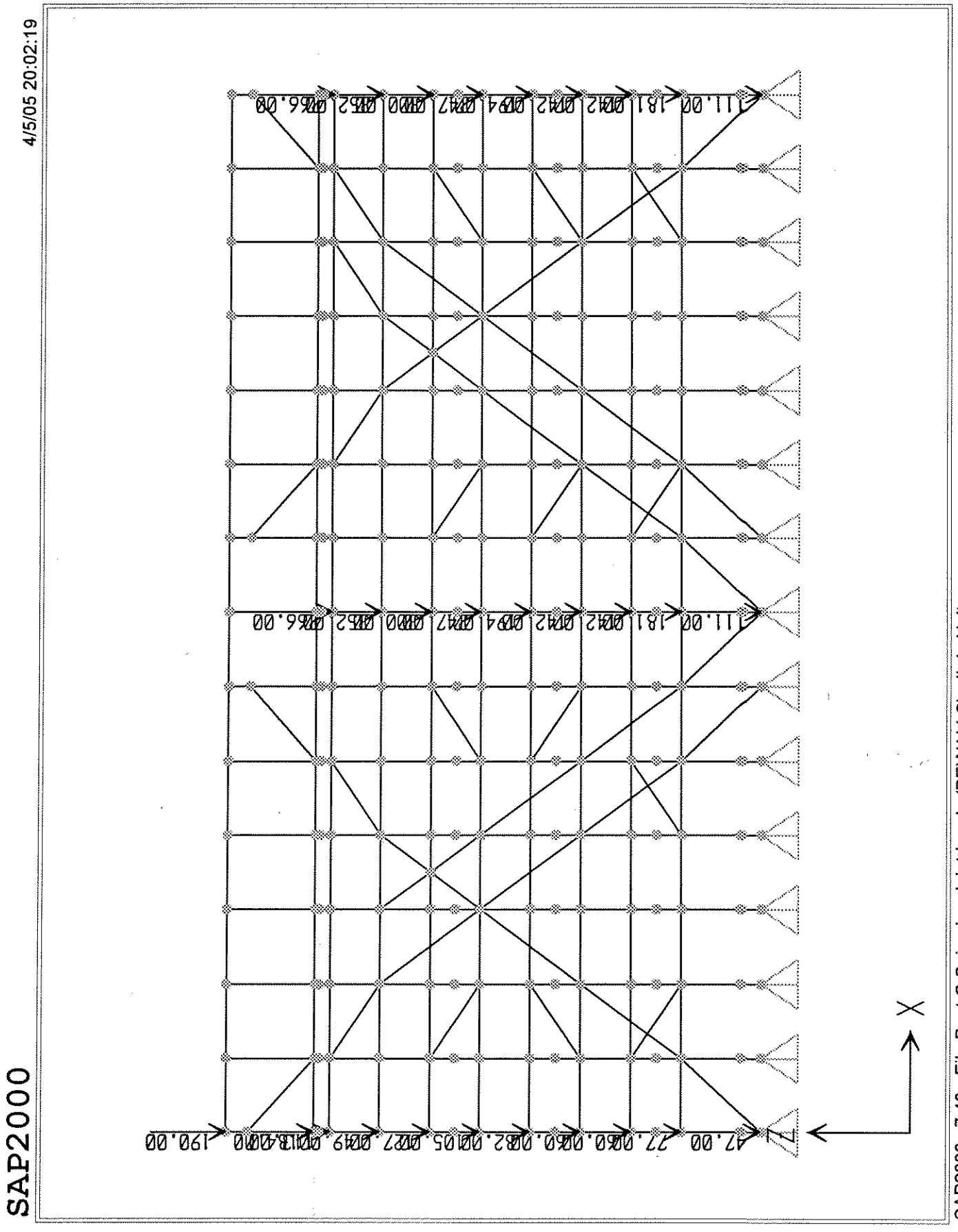
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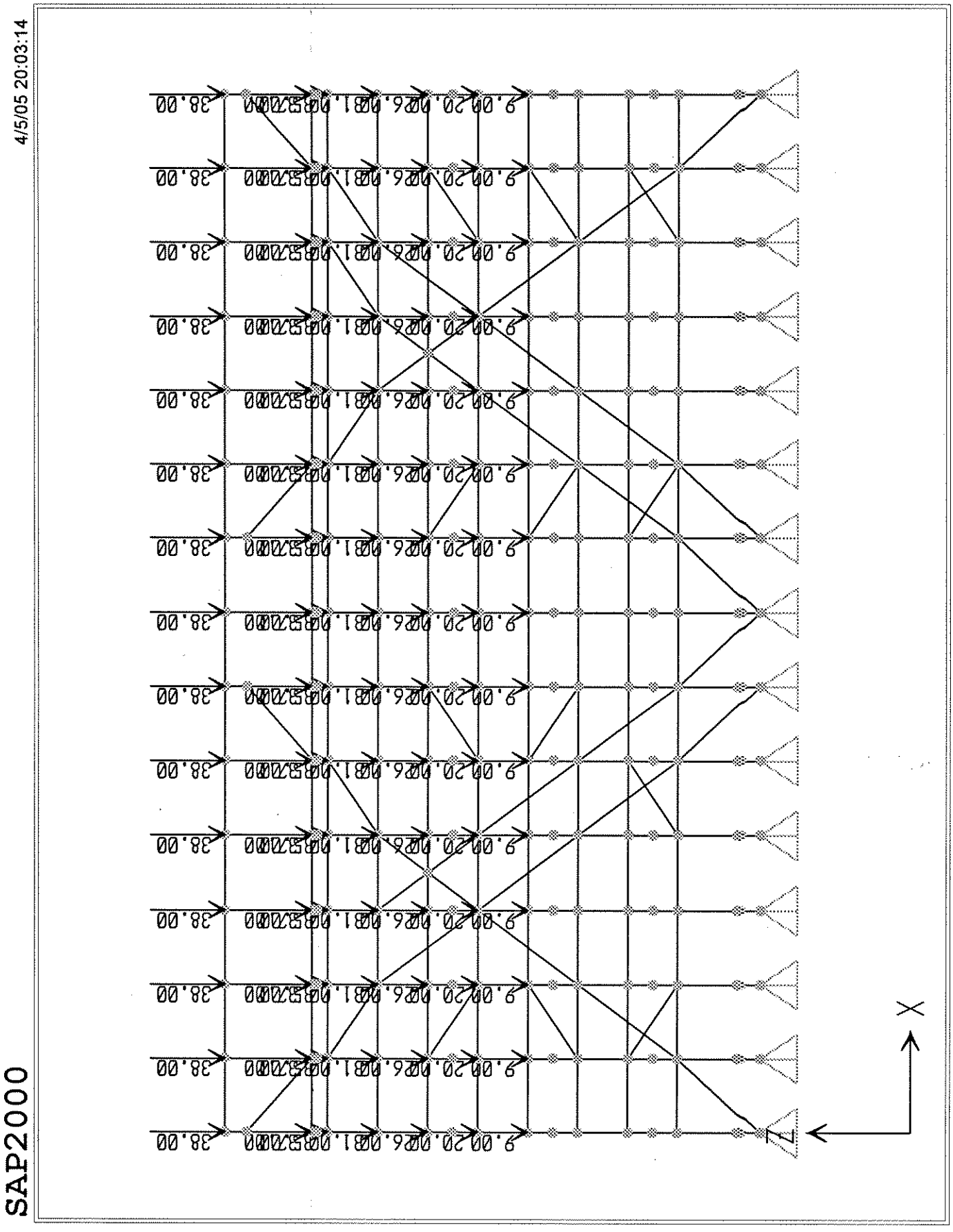
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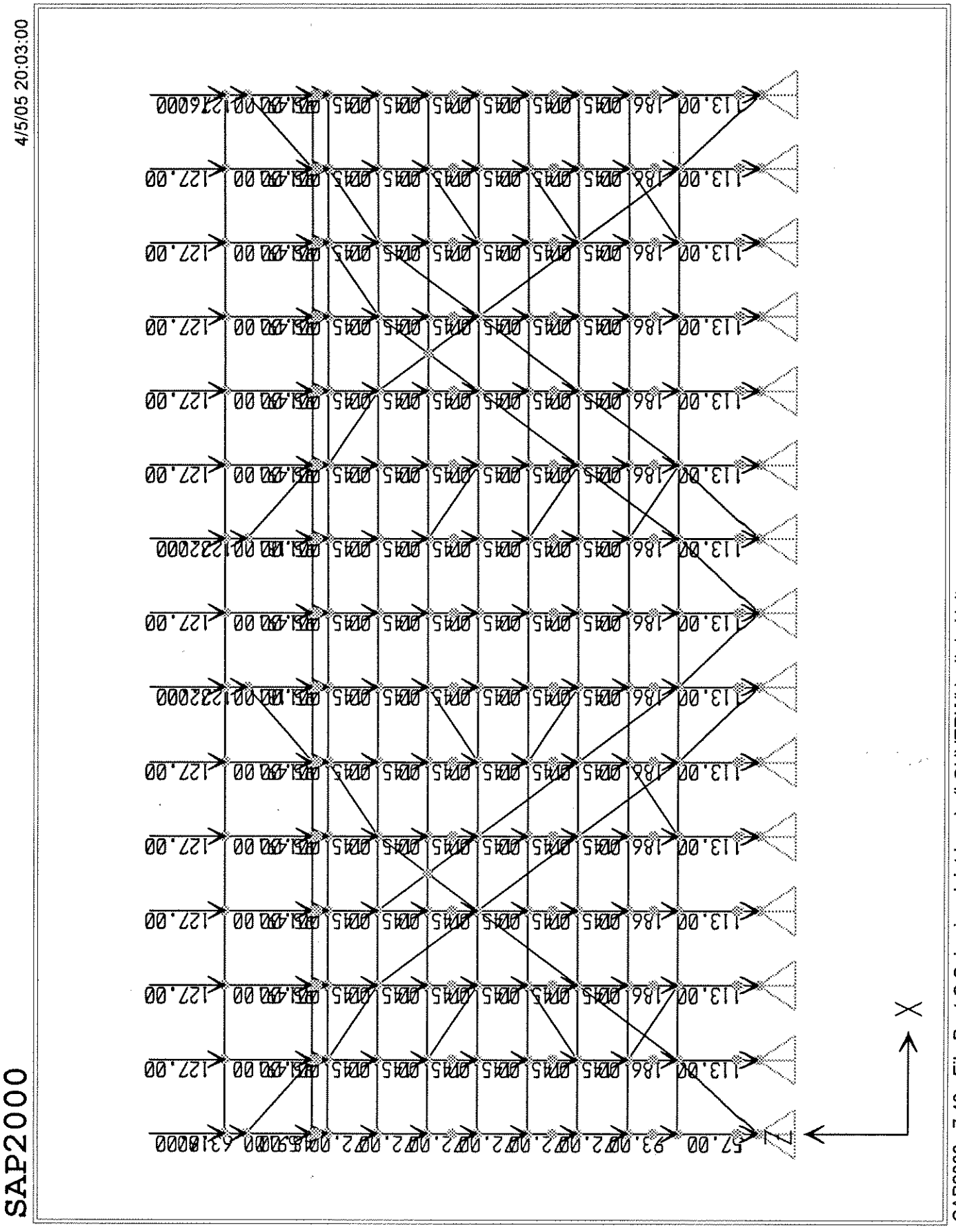
X
Z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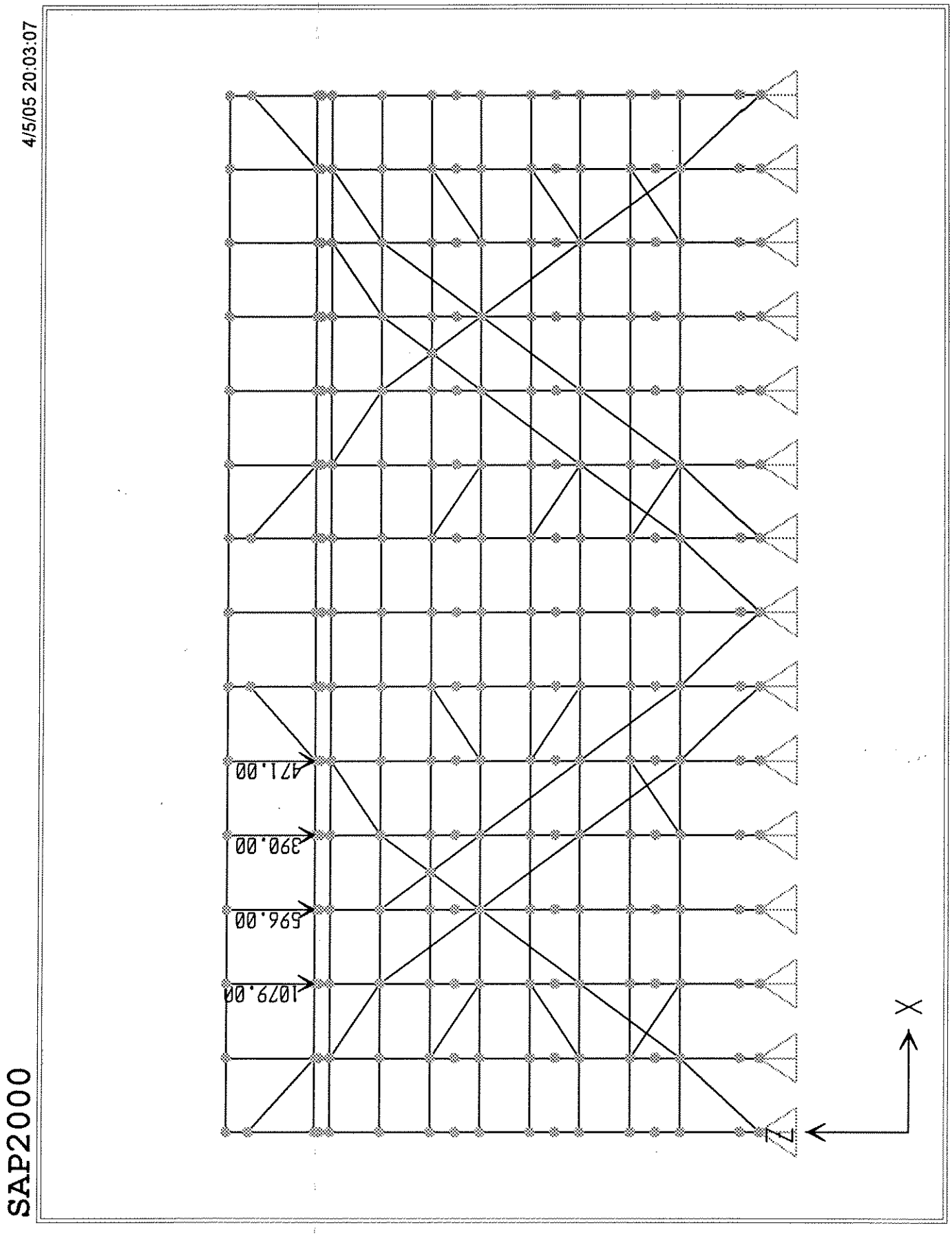
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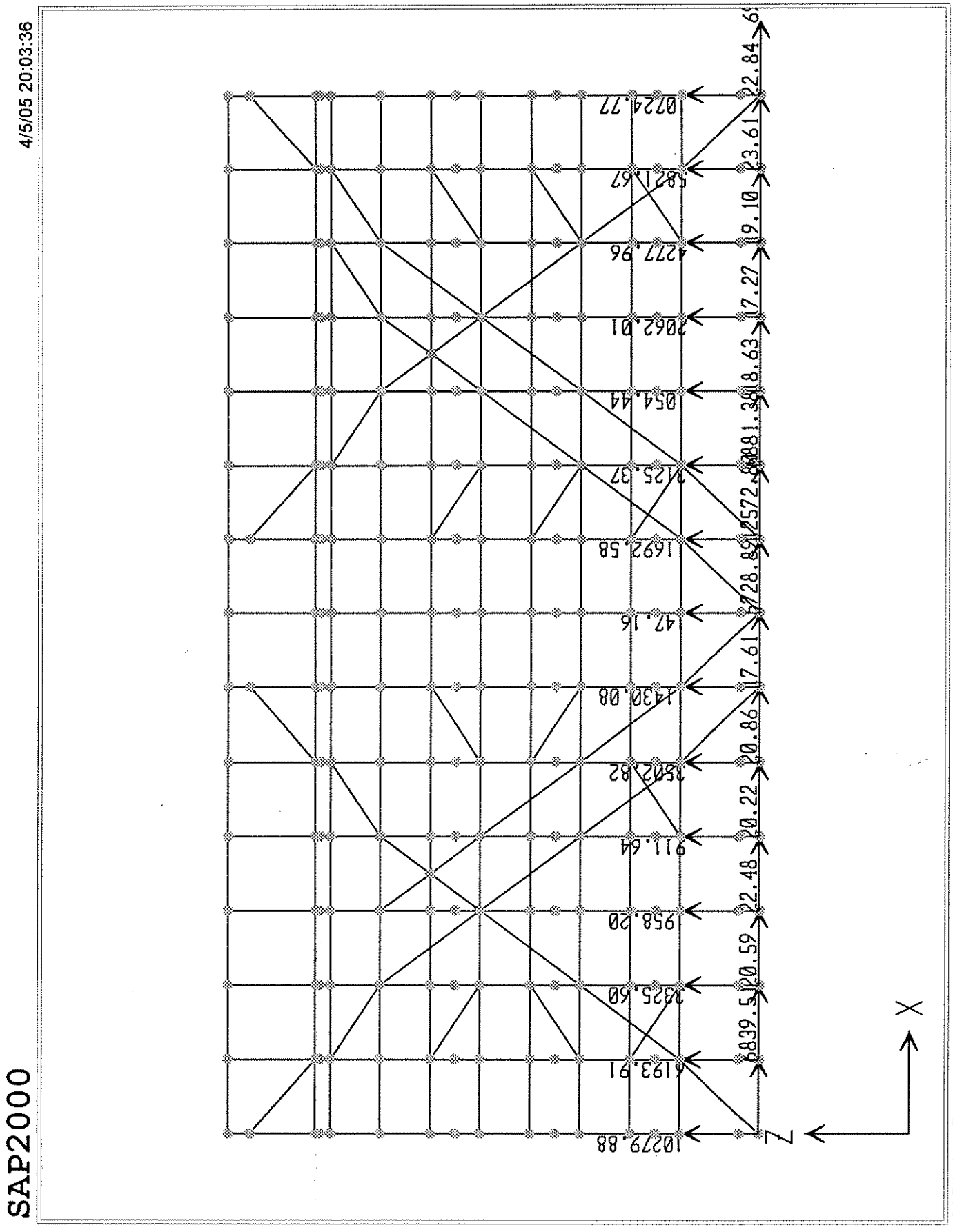
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6839.5
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958.20
911.64
20.22
1502.82
20.86
1430.08
17.61
42.16
6728.89
1692.58
2572.
3125.37
881.38
18.63
054.44
2062.01
17.27
4277.96
19.10
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0224.77
22.84
Z
X
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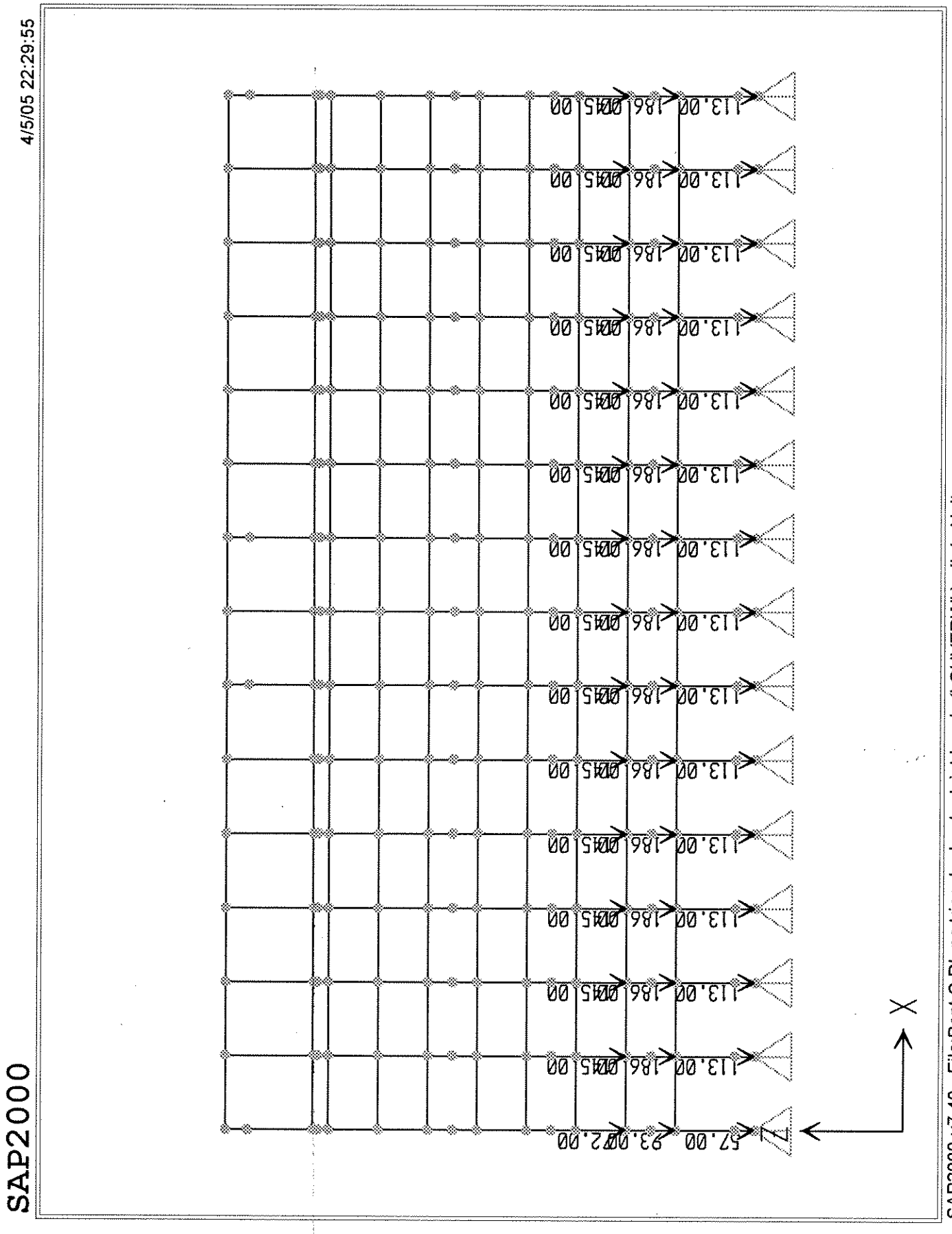
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93.00
72.00
113.00
186.00
145.00
X
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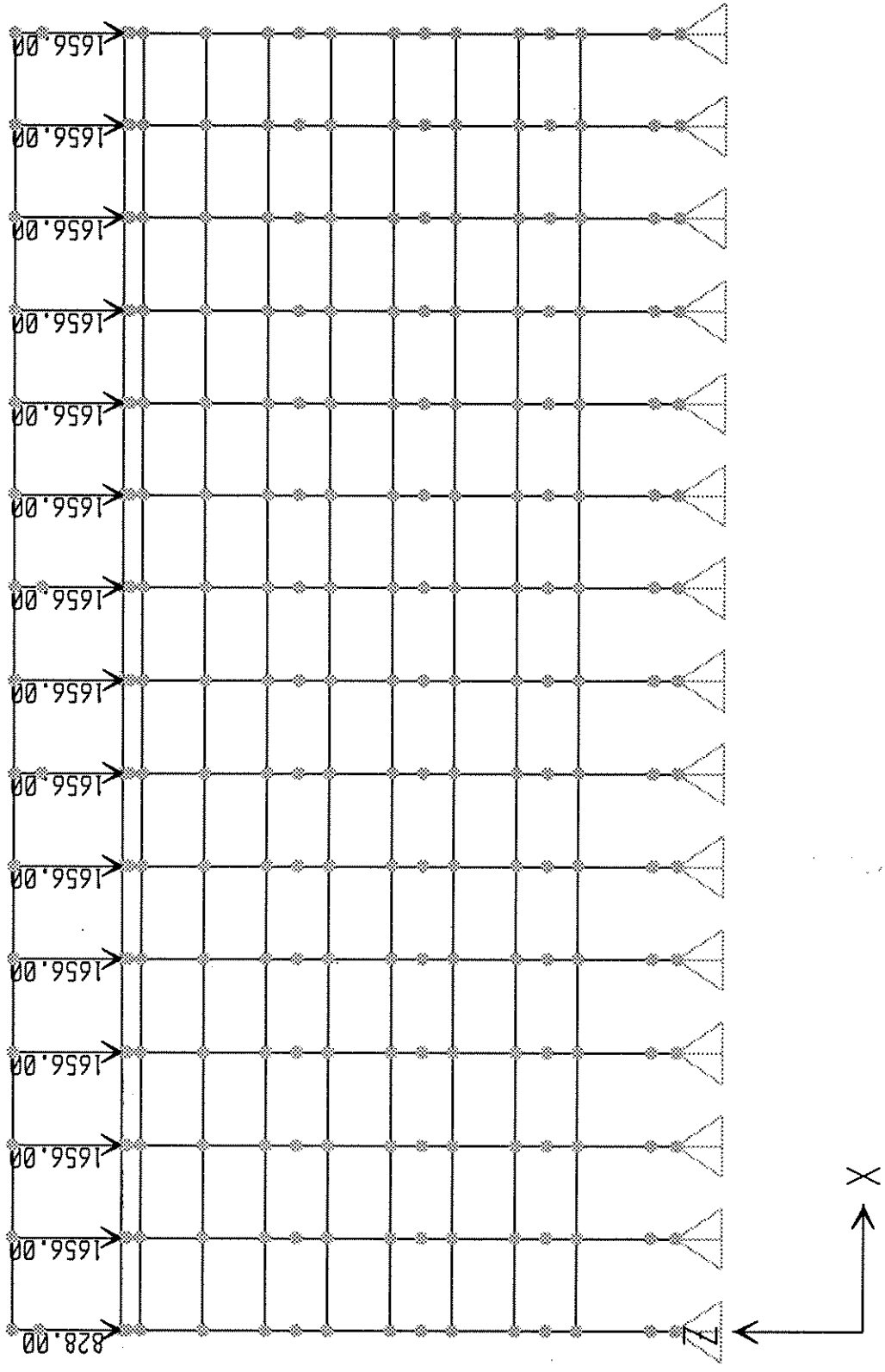
4/5/05 22:29:34

SAP2000



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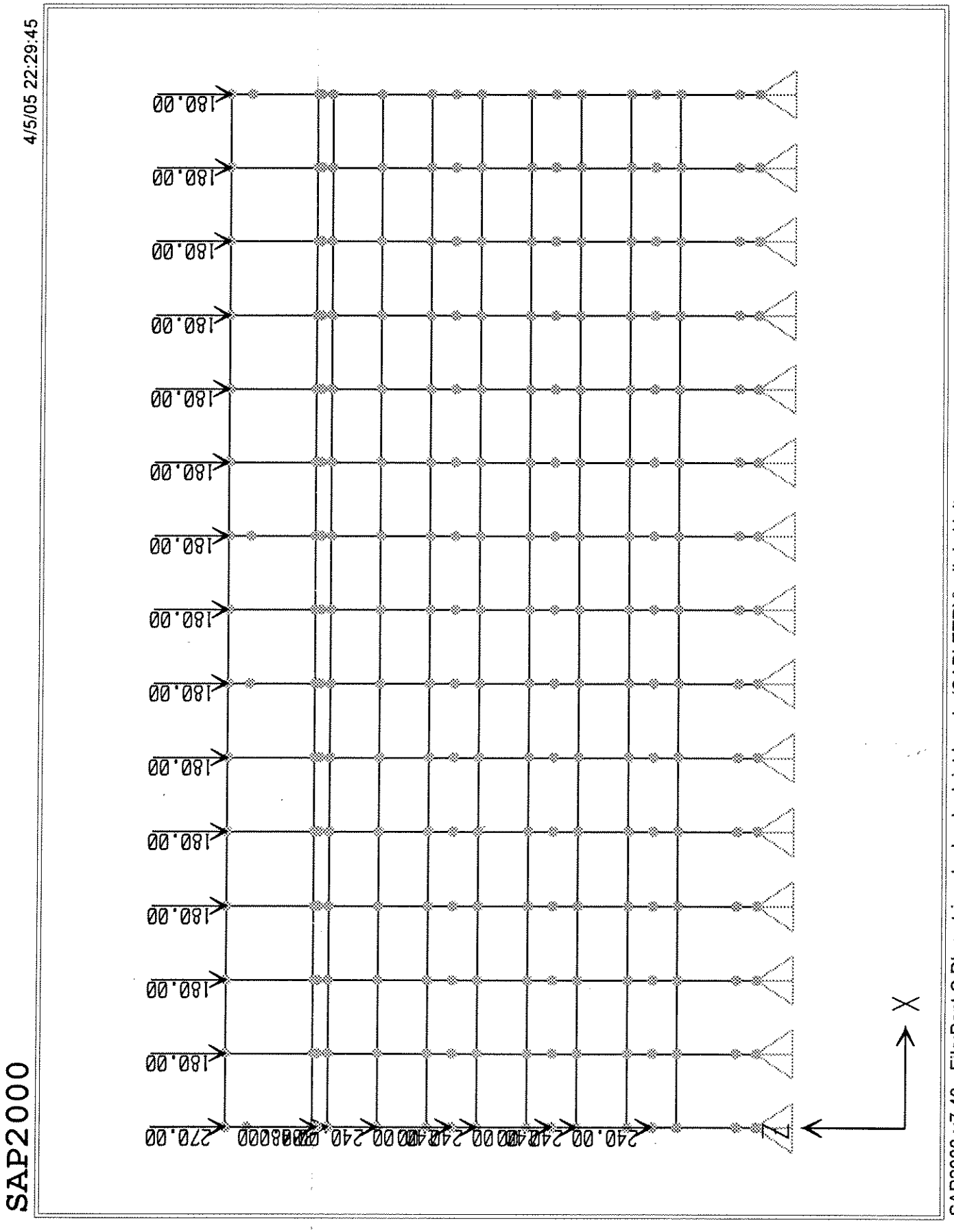
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180.00
180.00
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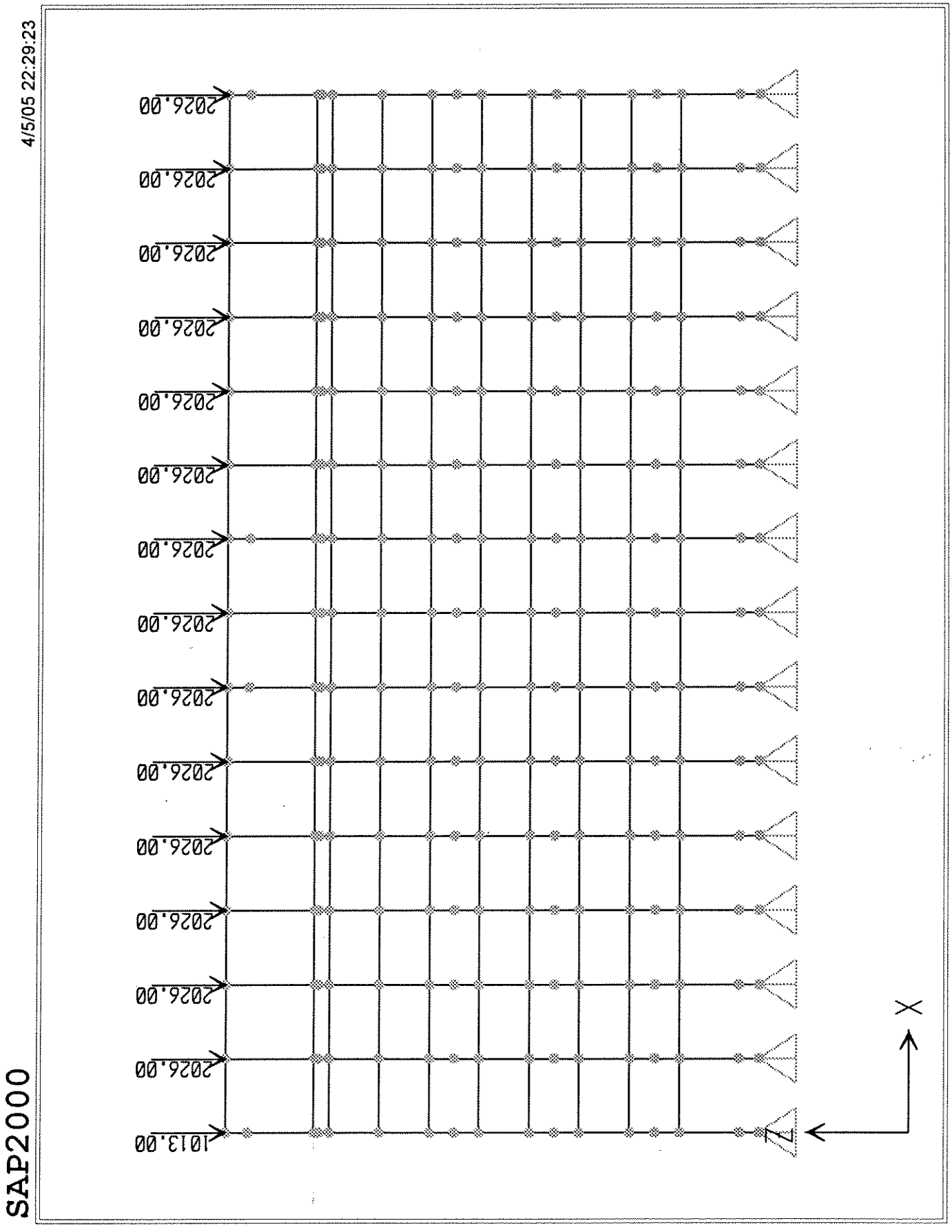
180.00
180.00
180.00
180.00
180.00
270.00
240.00
240.00
240.00
240.00
240.00
240.00
X
SAP2000 v7.40 - File:Bent C DL no trianglar load - Joint Loads (CABLETRY) - lb-in Units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4/5/05 22:29:23
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2026.00
2026.00
2026.00
2026.00
2026.00
2026.00
2026.00
2026.00
2026.00
1013.00
X
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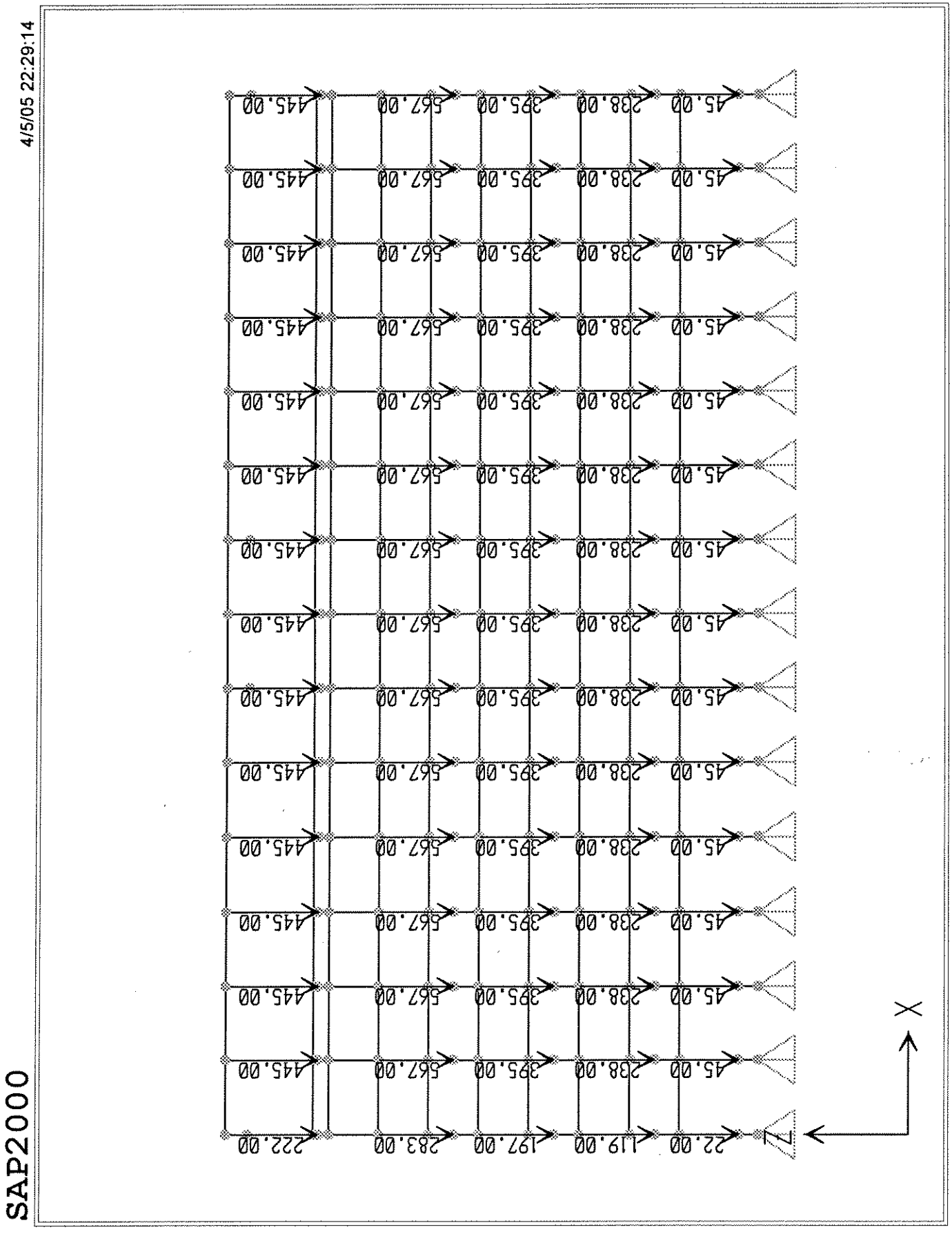
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567.00
445.00
X
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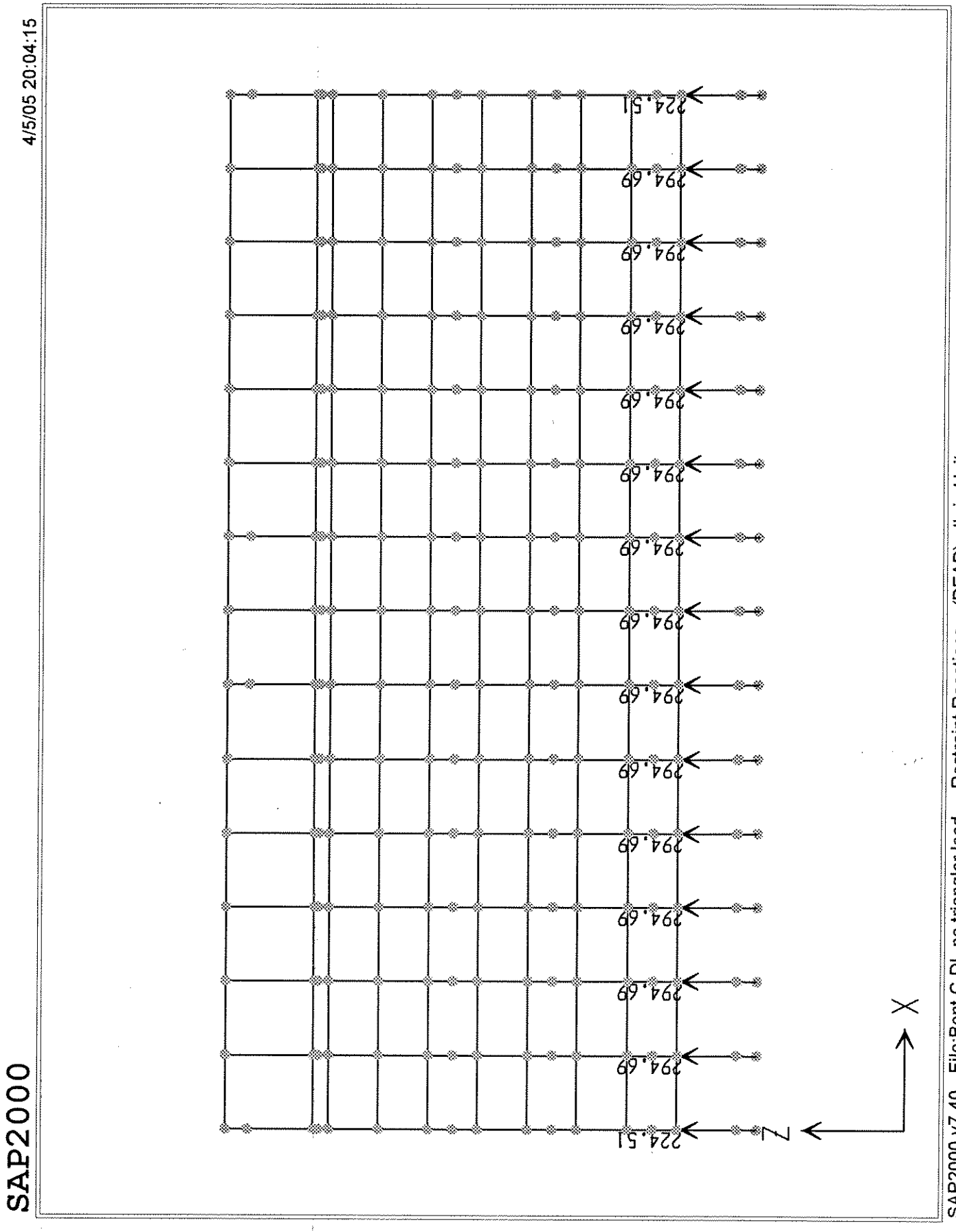
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294.69
294.69
294.69
294.69
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294.69
294.69
224.51
Z
X
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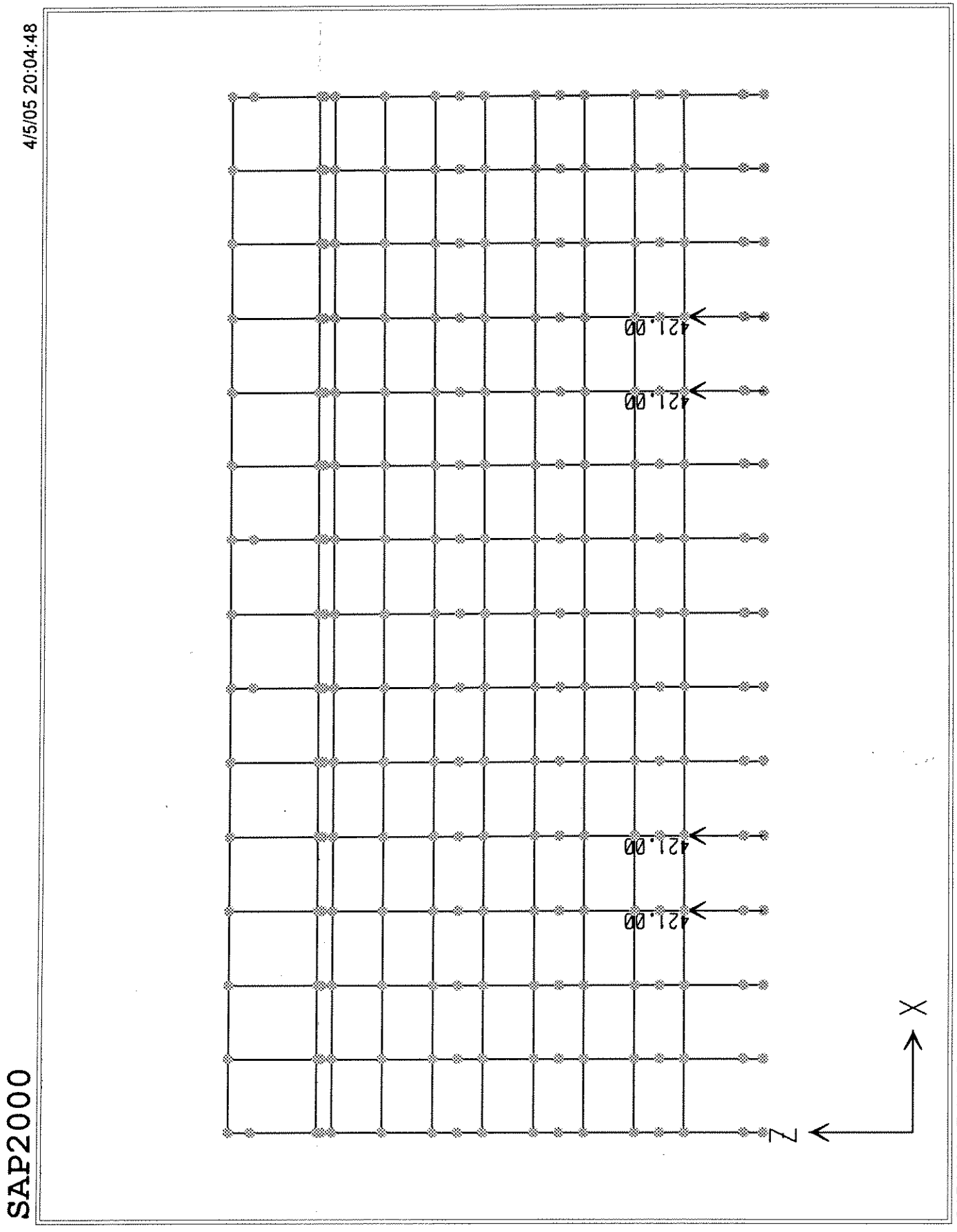
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4/5/05 20:04:48
421.00
421.00
421.00
421.00
Z
X
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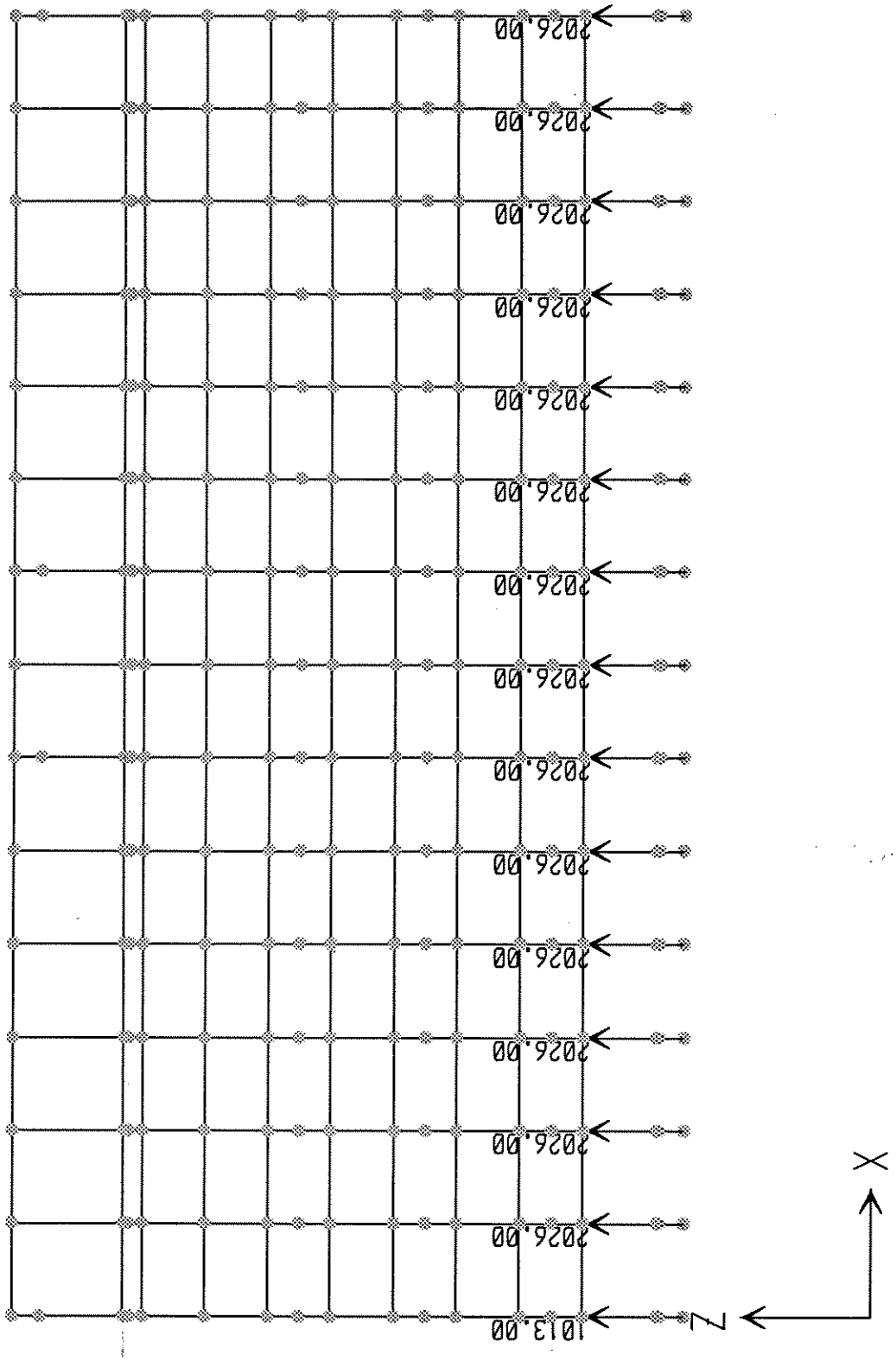
4/5/05 20:04:27

SAP2000



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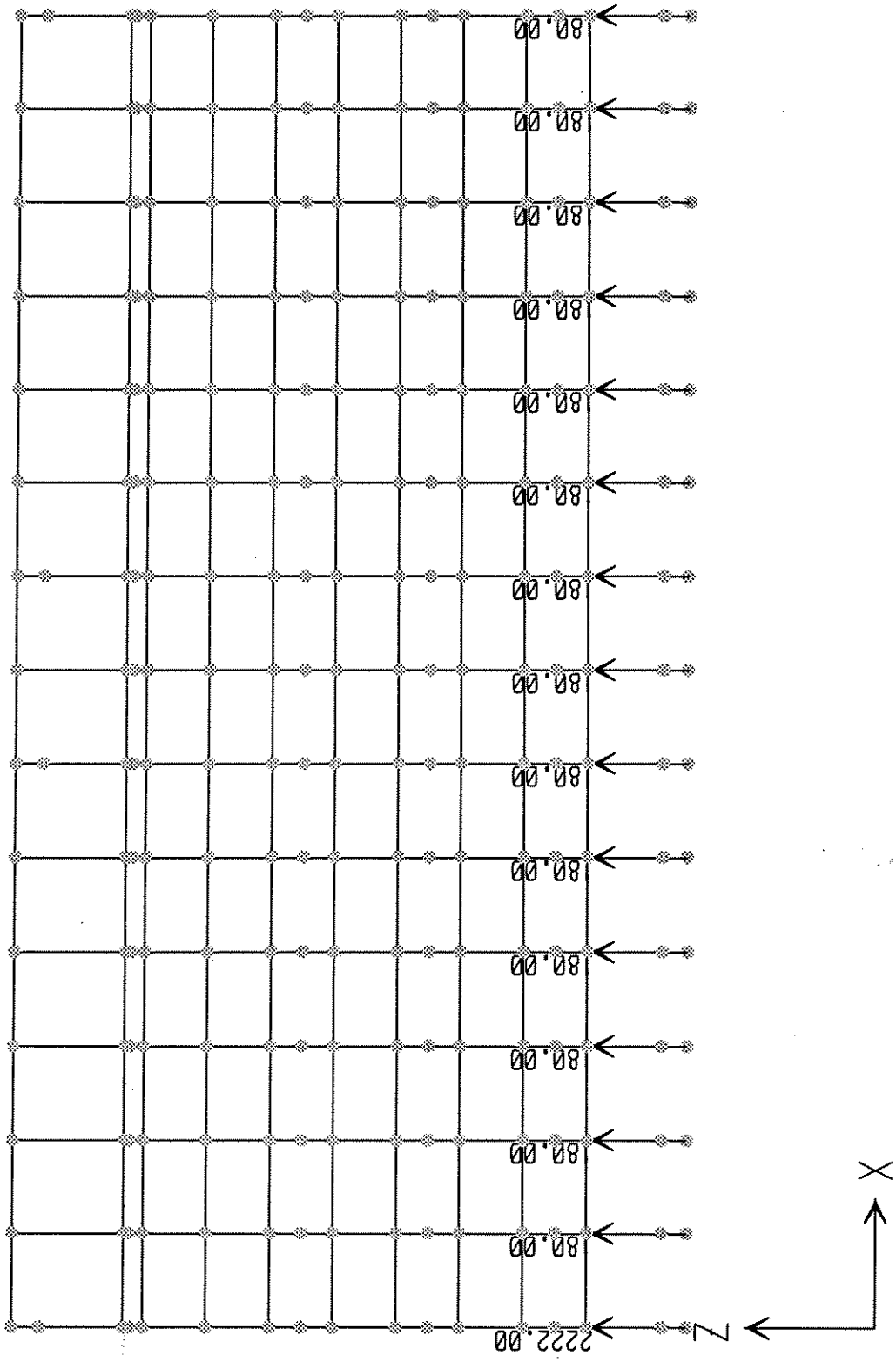
4/5/05 20:04:58

SAP2000



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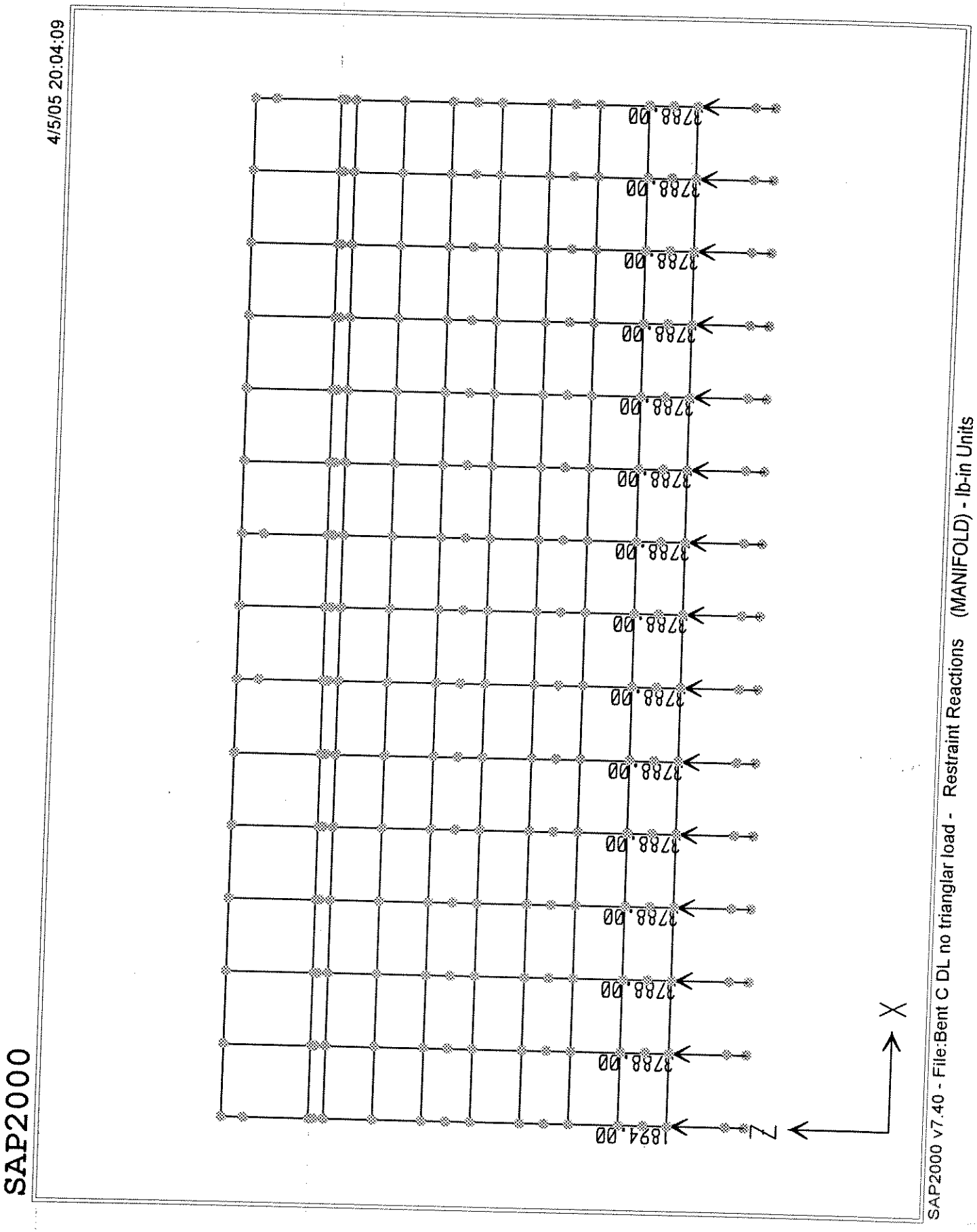
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Z
X
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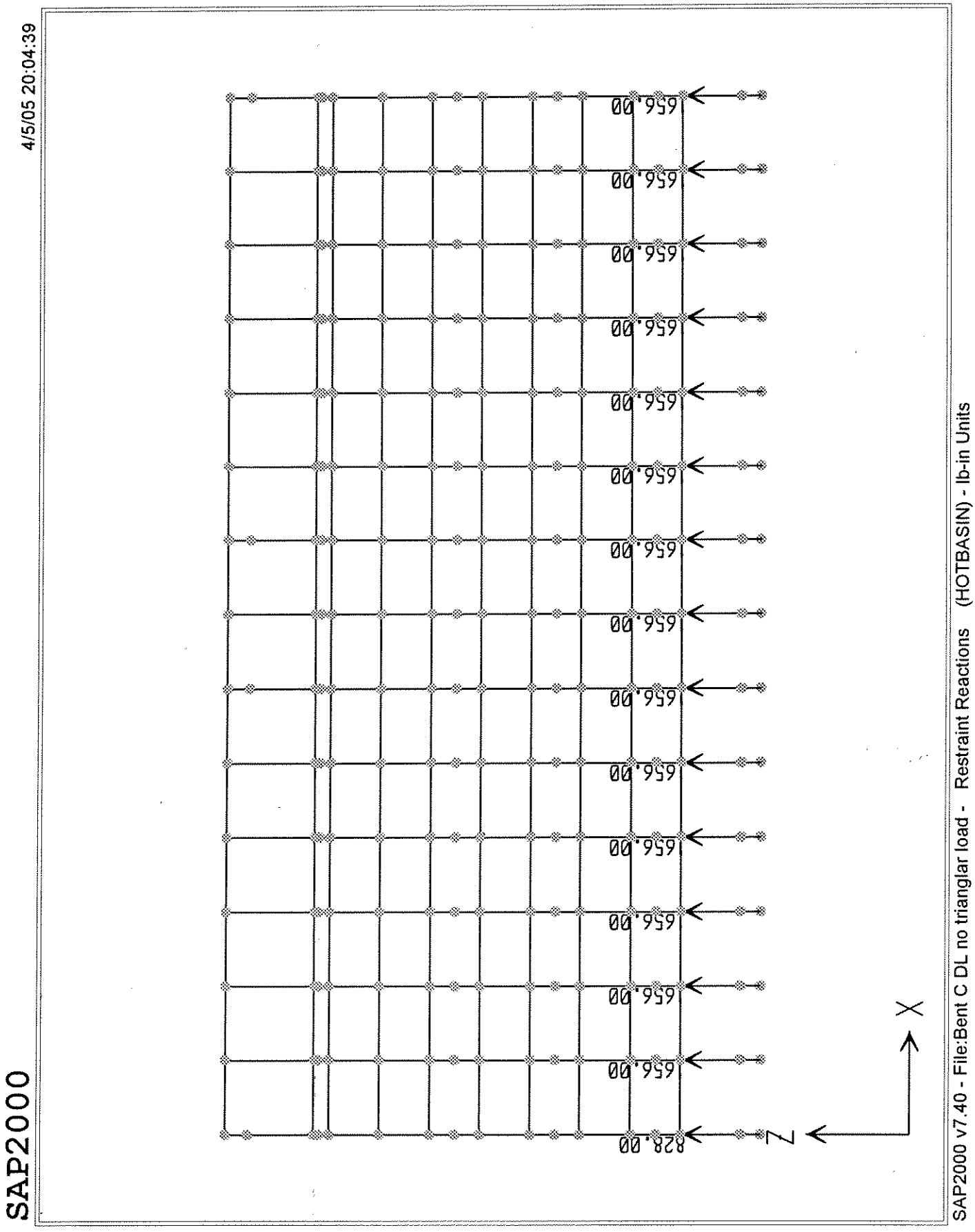
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656.00
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X
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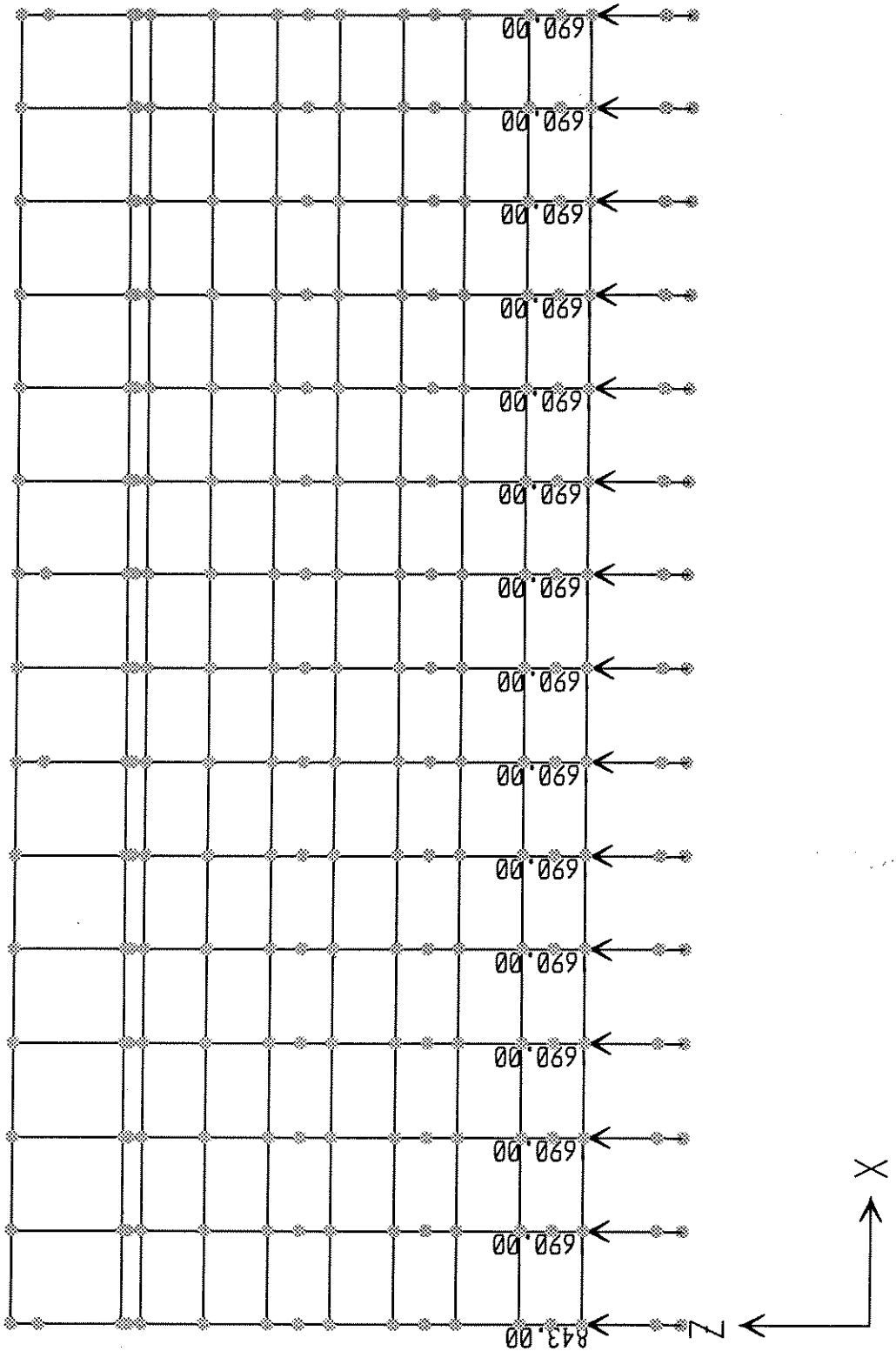
4/5/05 20:04:22



SAP2000

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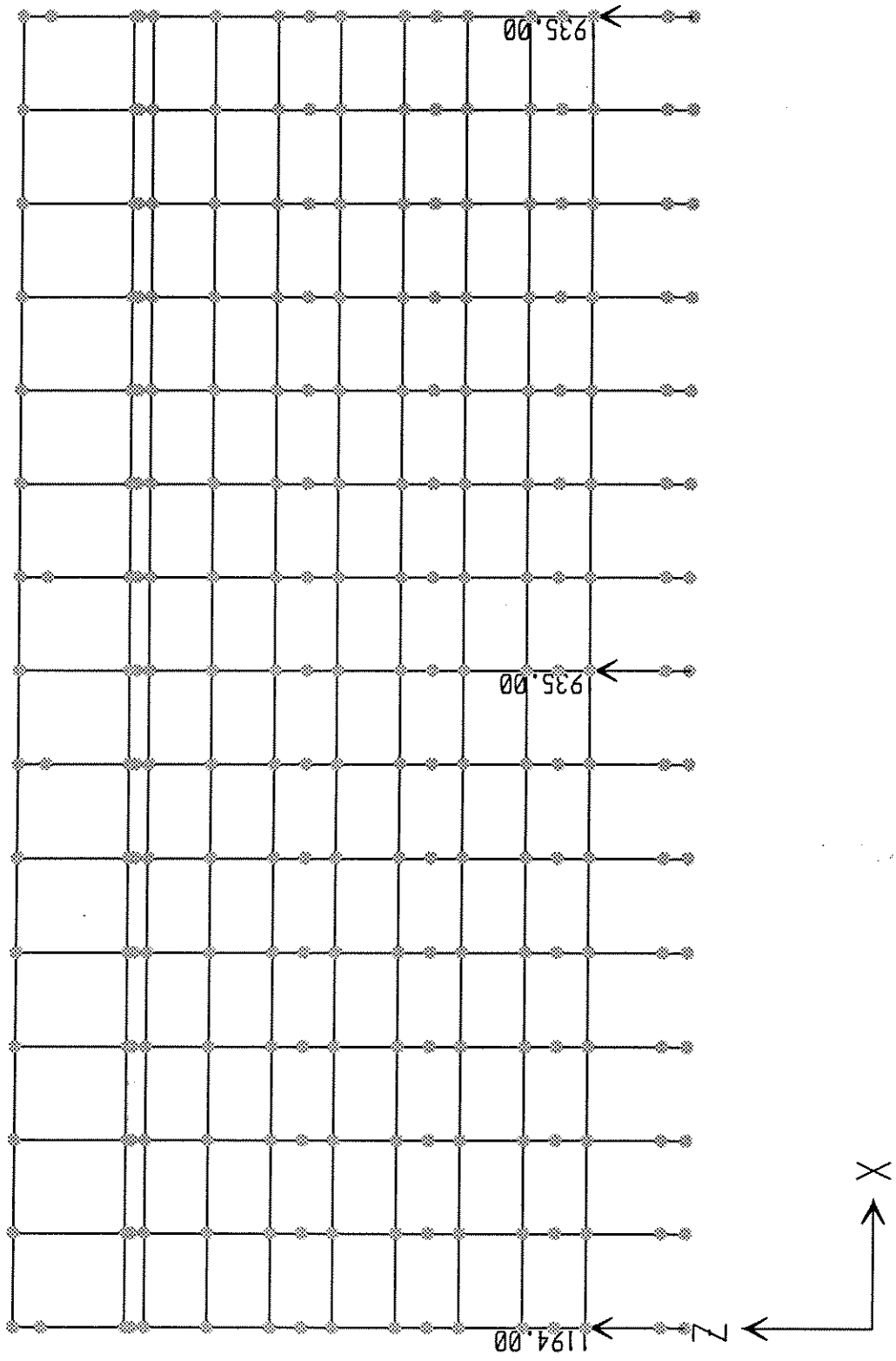
4/5/05 20:04:33

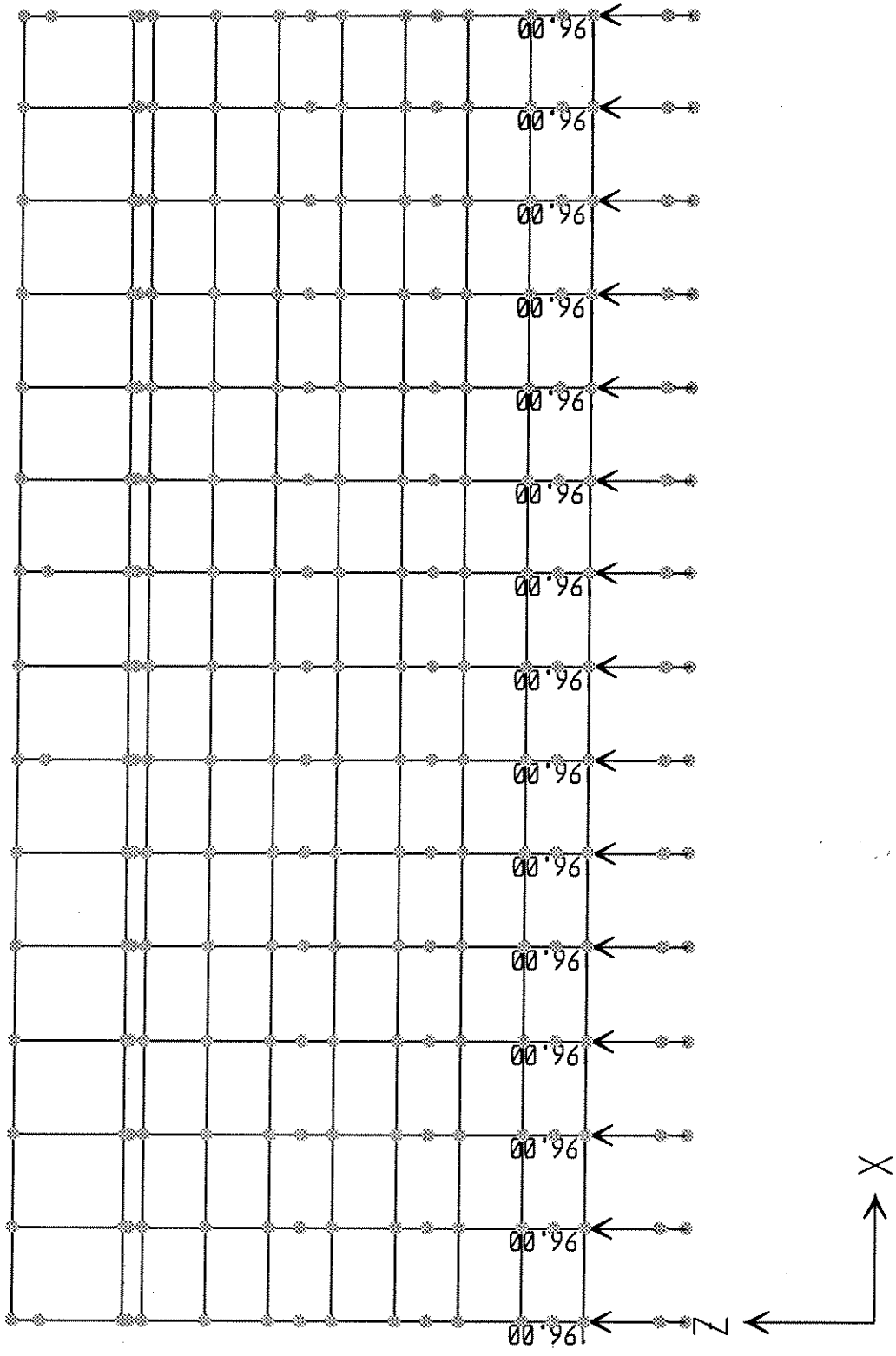


SAP2000

SAP2000 v7.40 - File:Bent C DL no trianglar load - Restraint Reactions (PEWALLS) - lb-in Units

4/5/05 20:05:16

SAP2000



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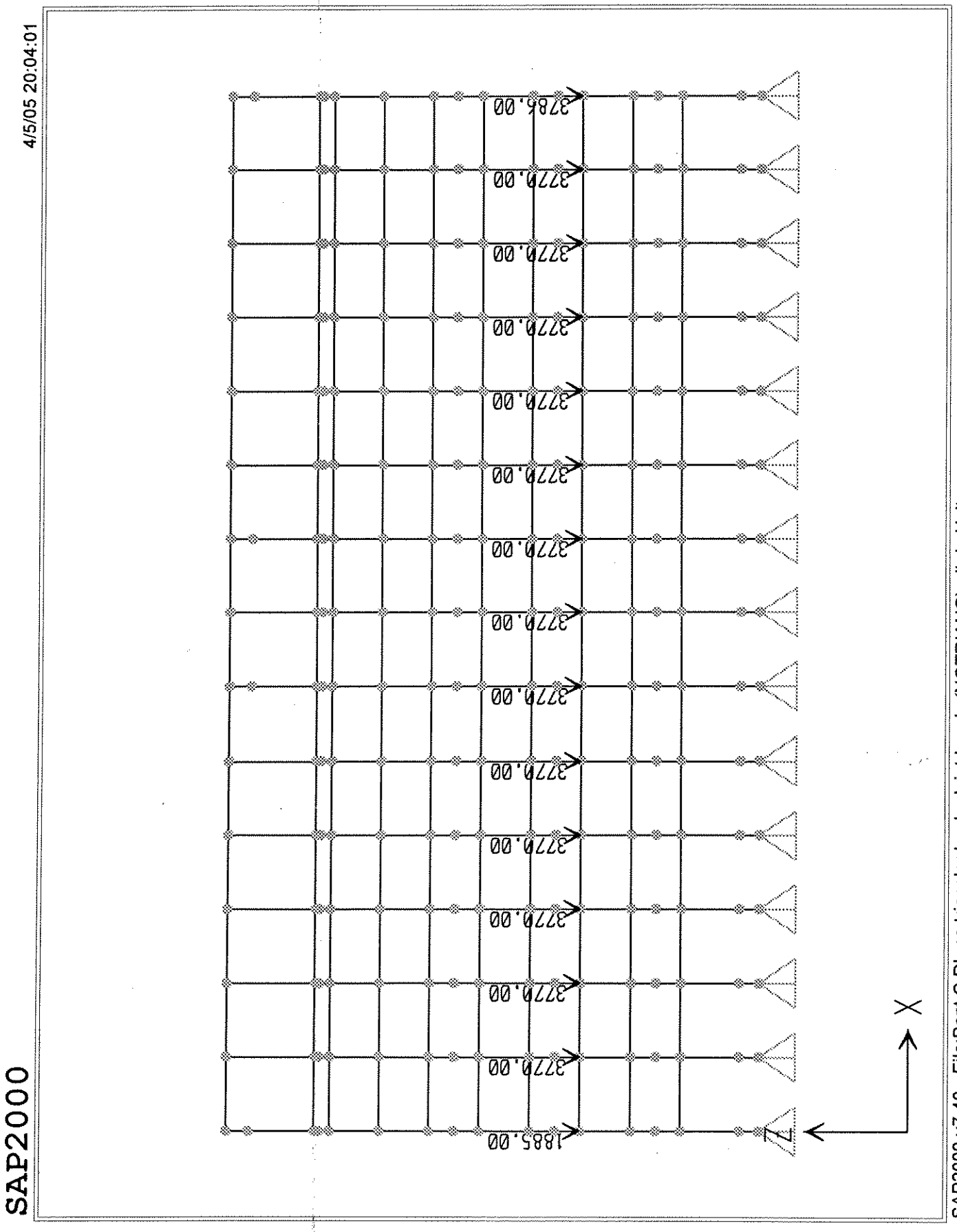
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3770.00
3770.00
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1885.00
X
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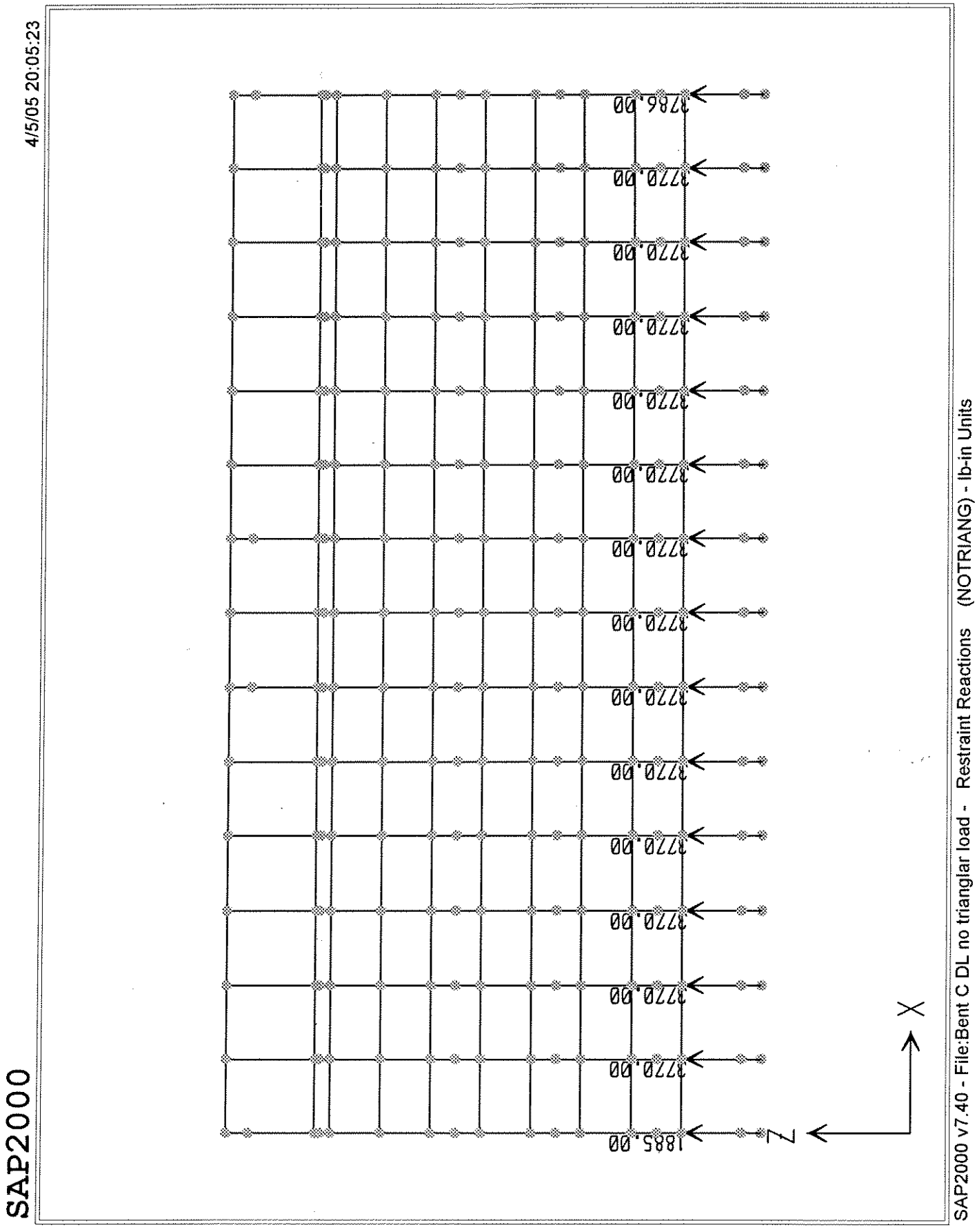
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3770.00
3770.00
3770.00
3770.00
1885.00
Z
X
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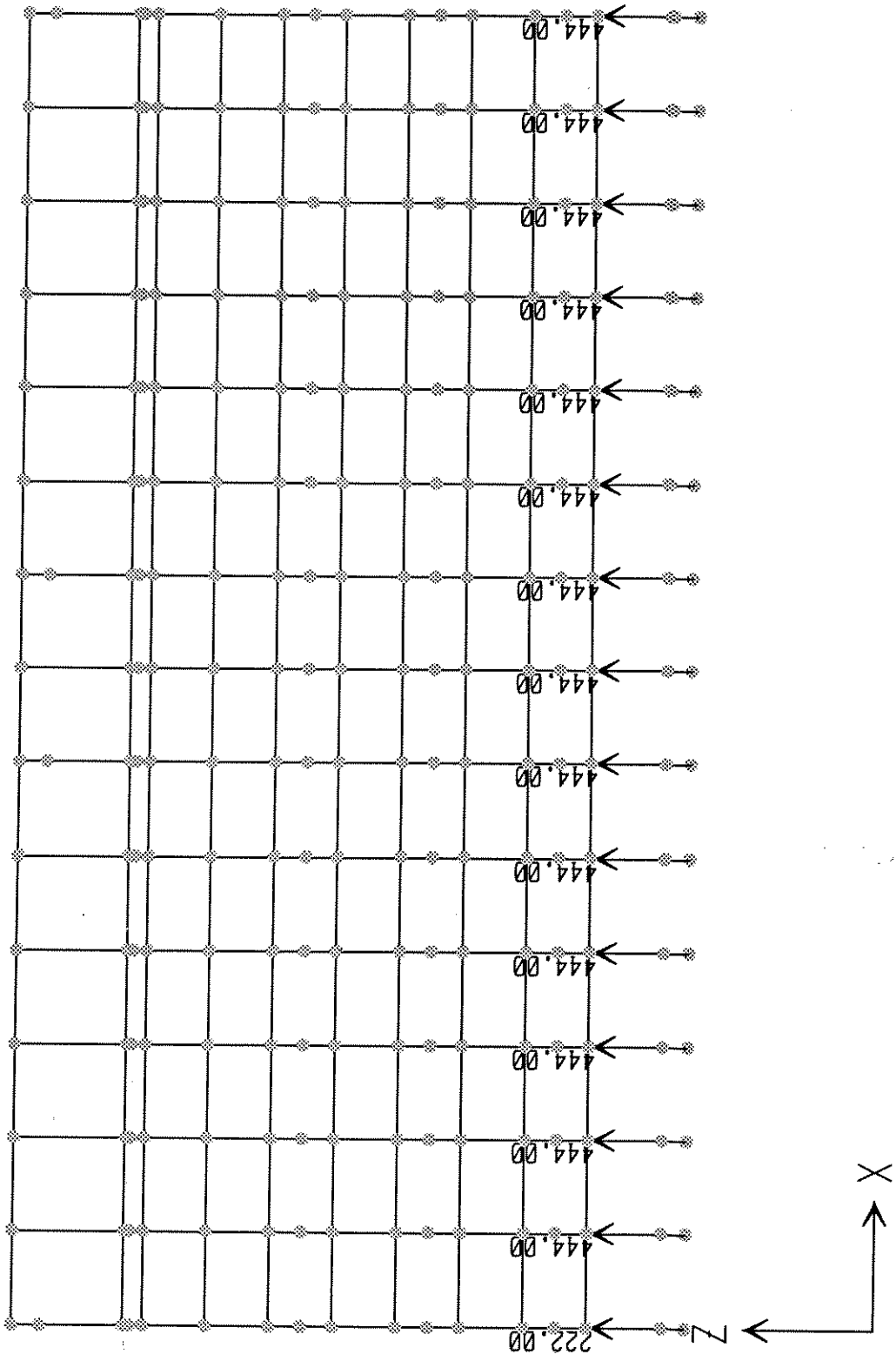
4/5/05 20:05:05

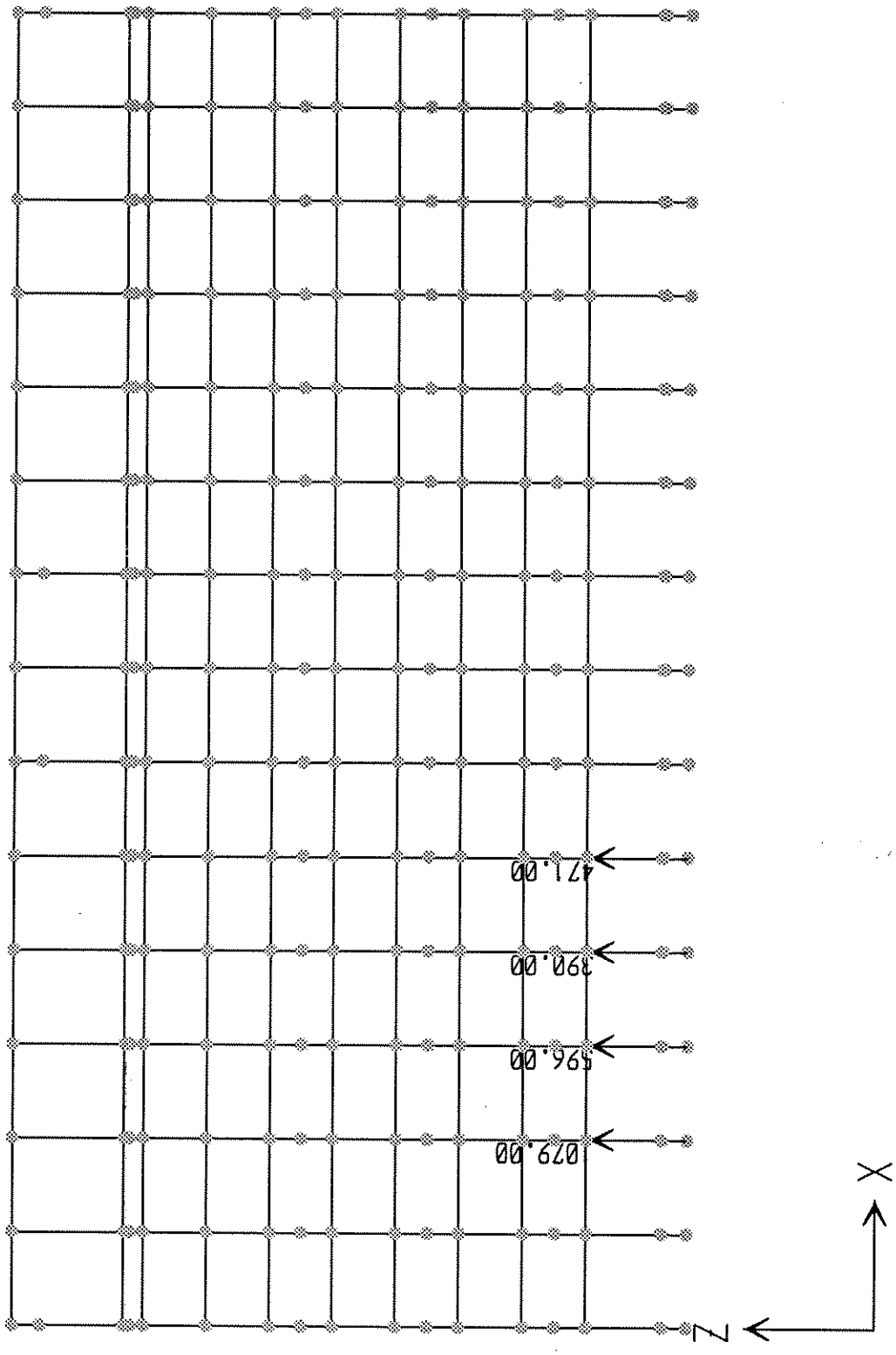
SAP2000



SAP2000 v7.40 - File:Bent C DL no trianglar load - Restraint Reactions (LOUVERWL) - lb-in Units

4/5/05 20:05:10

SAP2000



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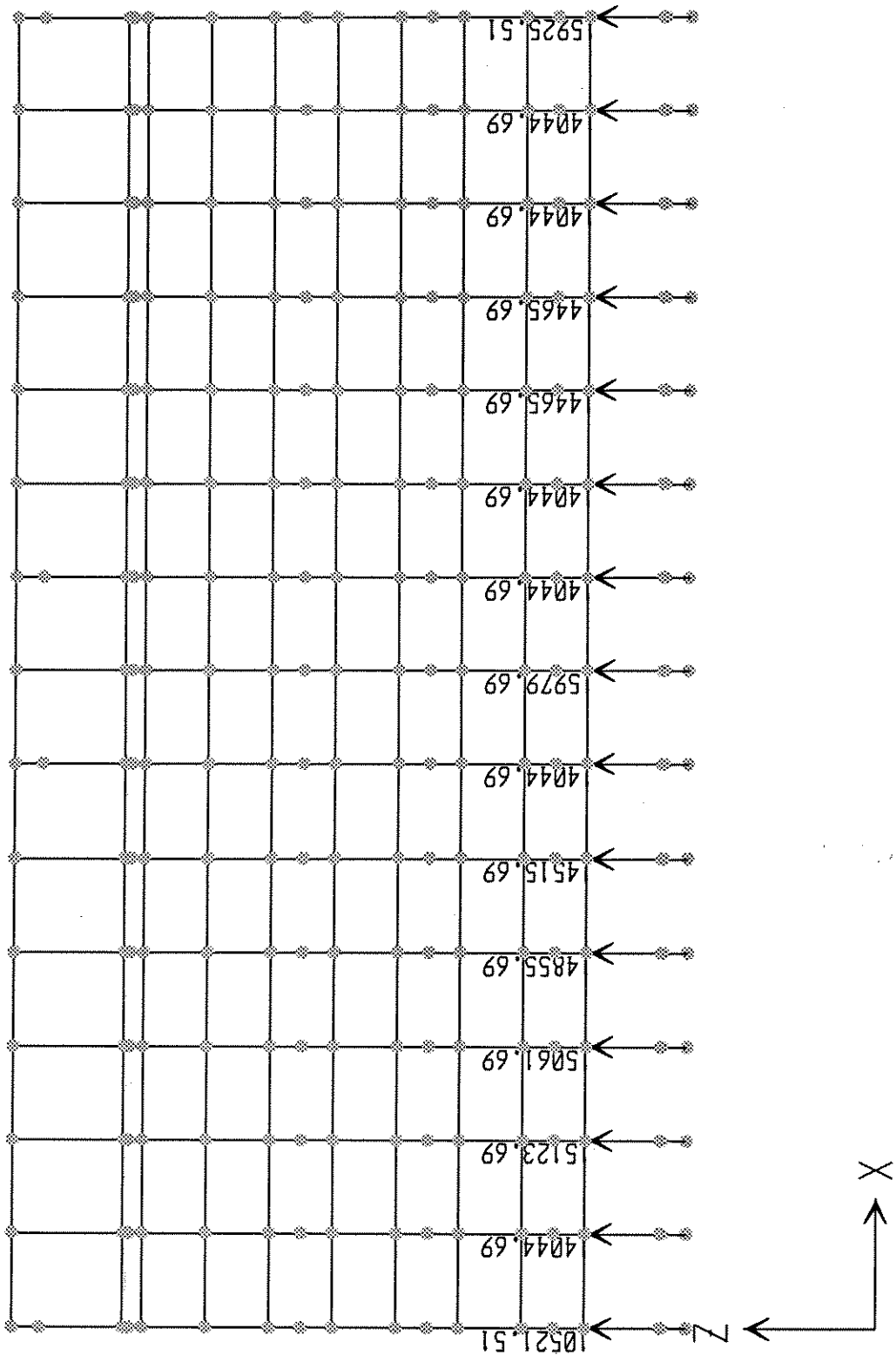
4/5/05 20:05:32

SAP2000



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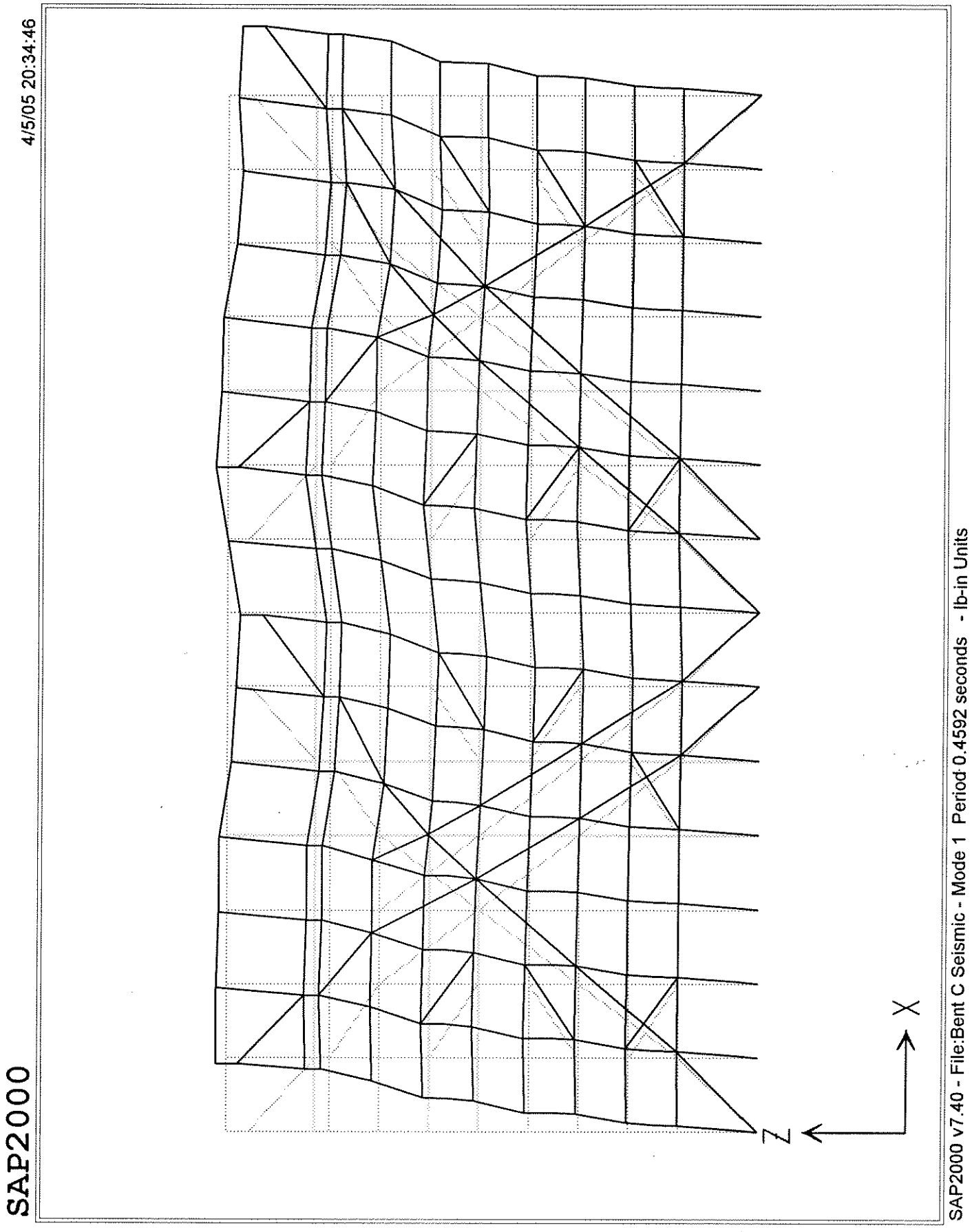
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4/5/05 20:34:46
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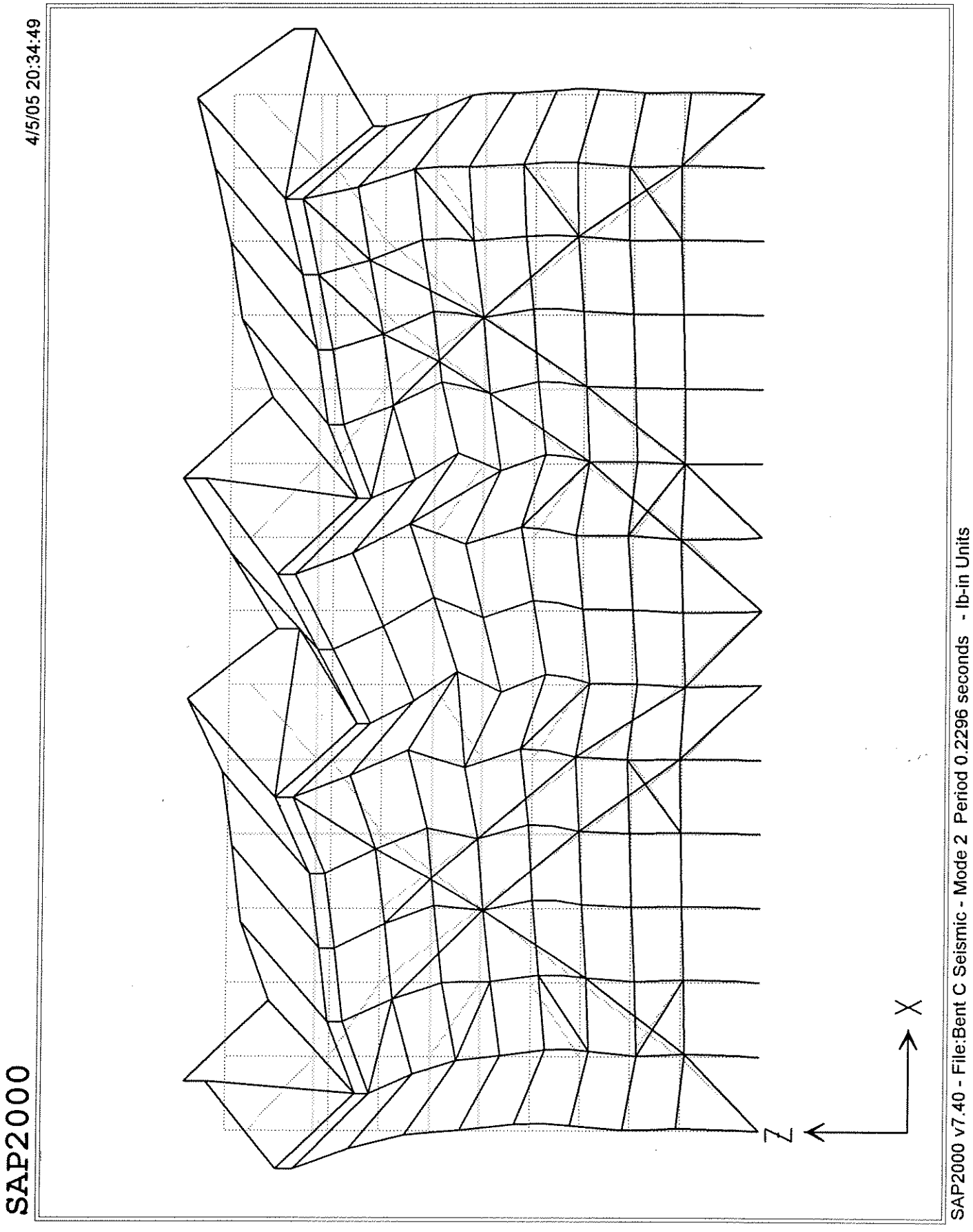
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4/5/05 20:34:49
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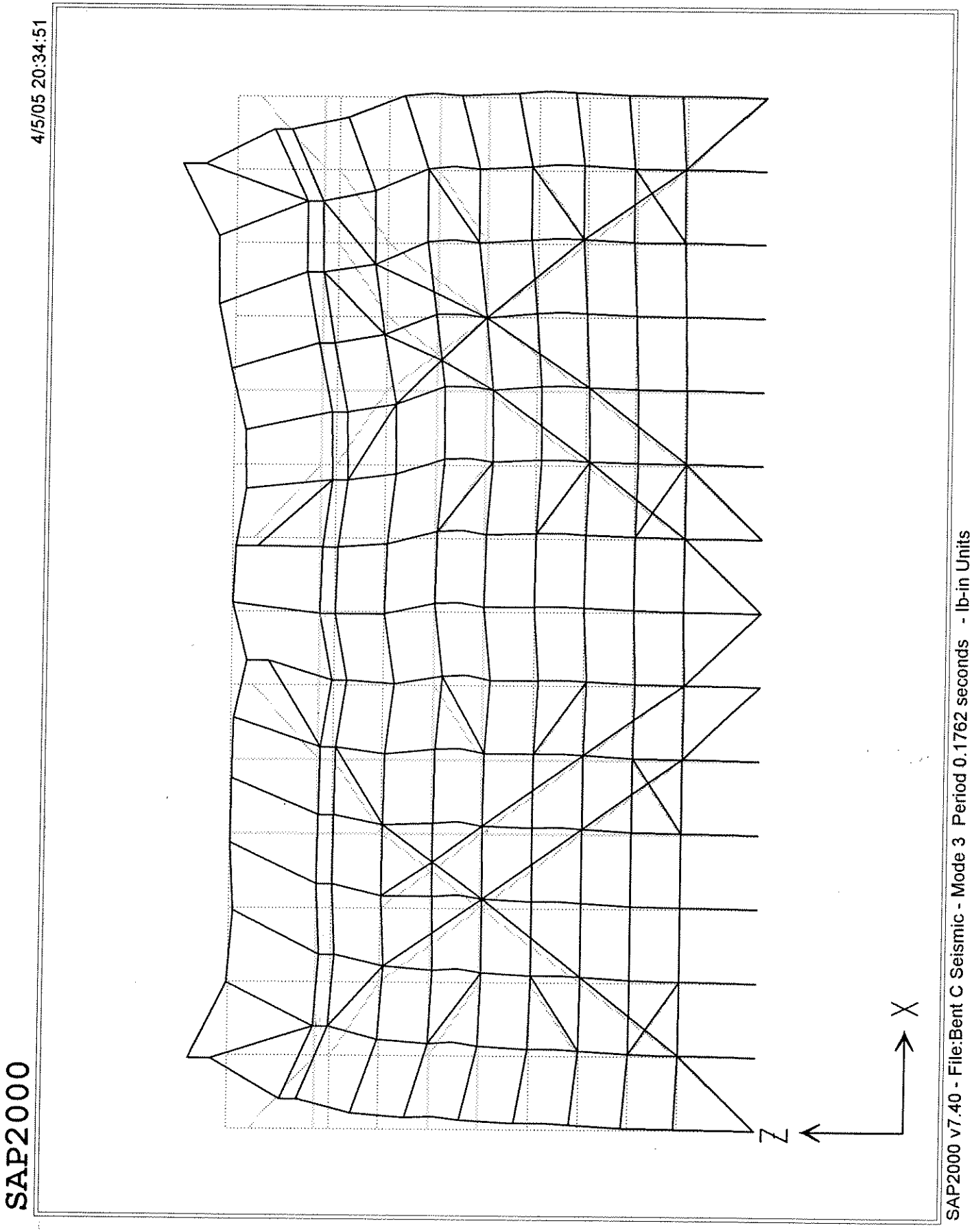
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4/5/05 20:34:51
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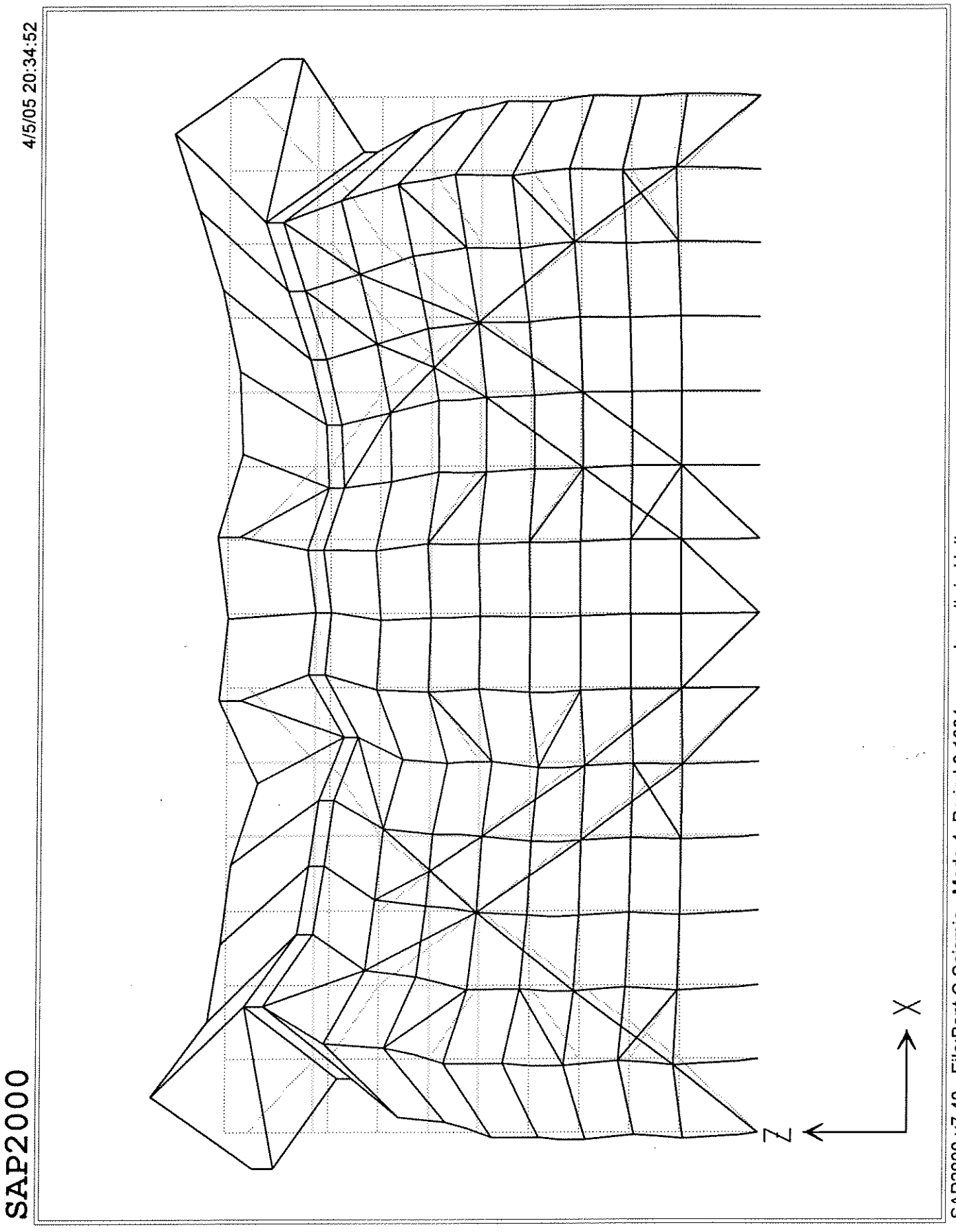
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4/5/05 20:34:52
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X
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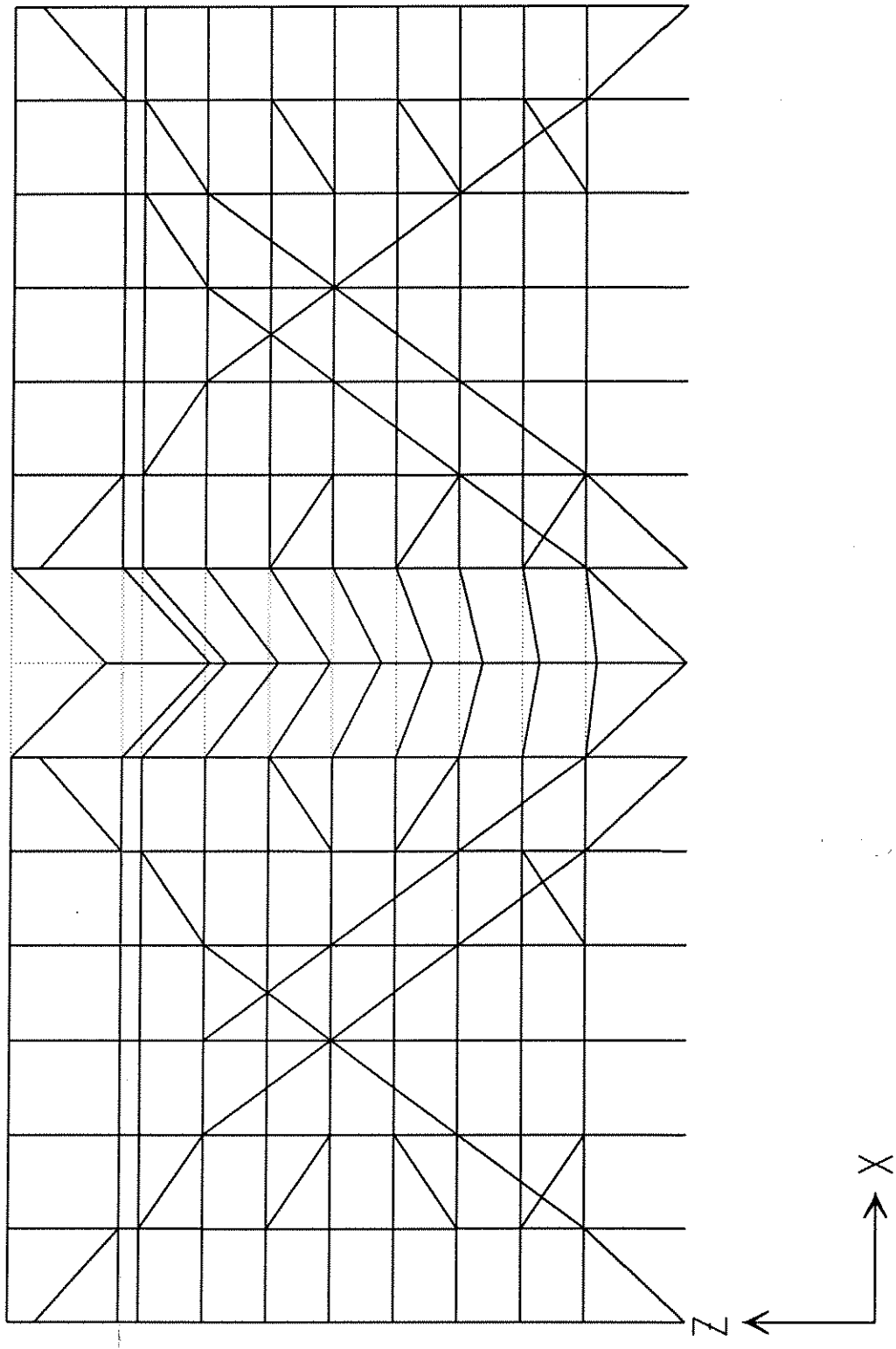
4/5/05 20:34:54

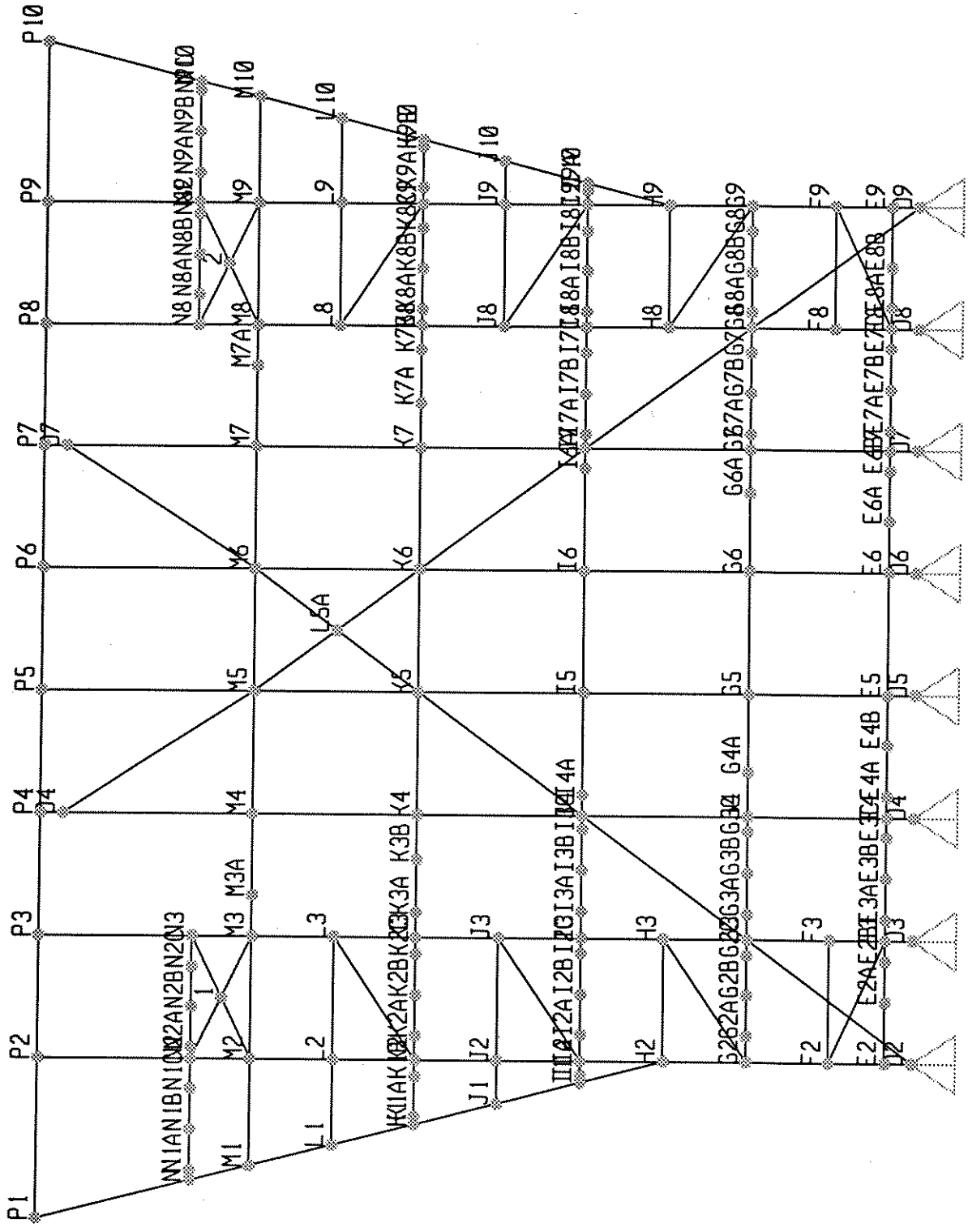
SAP2000



SAP2000 v7.40 - File:Bent C Seismic - Mode 5 Period 0.1606 seconds - lb-in Units

3/22/05 16:26:05

SAP2000



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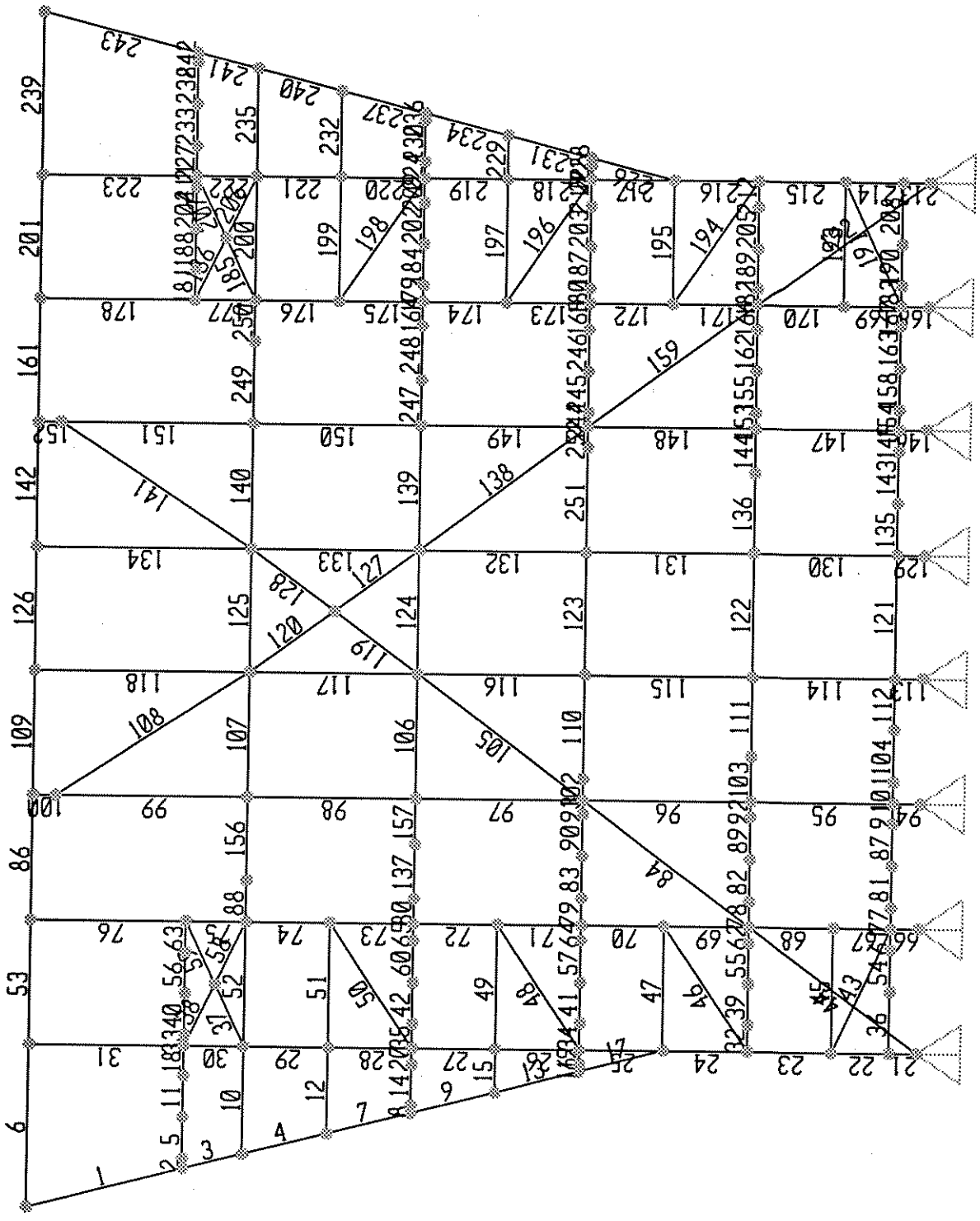
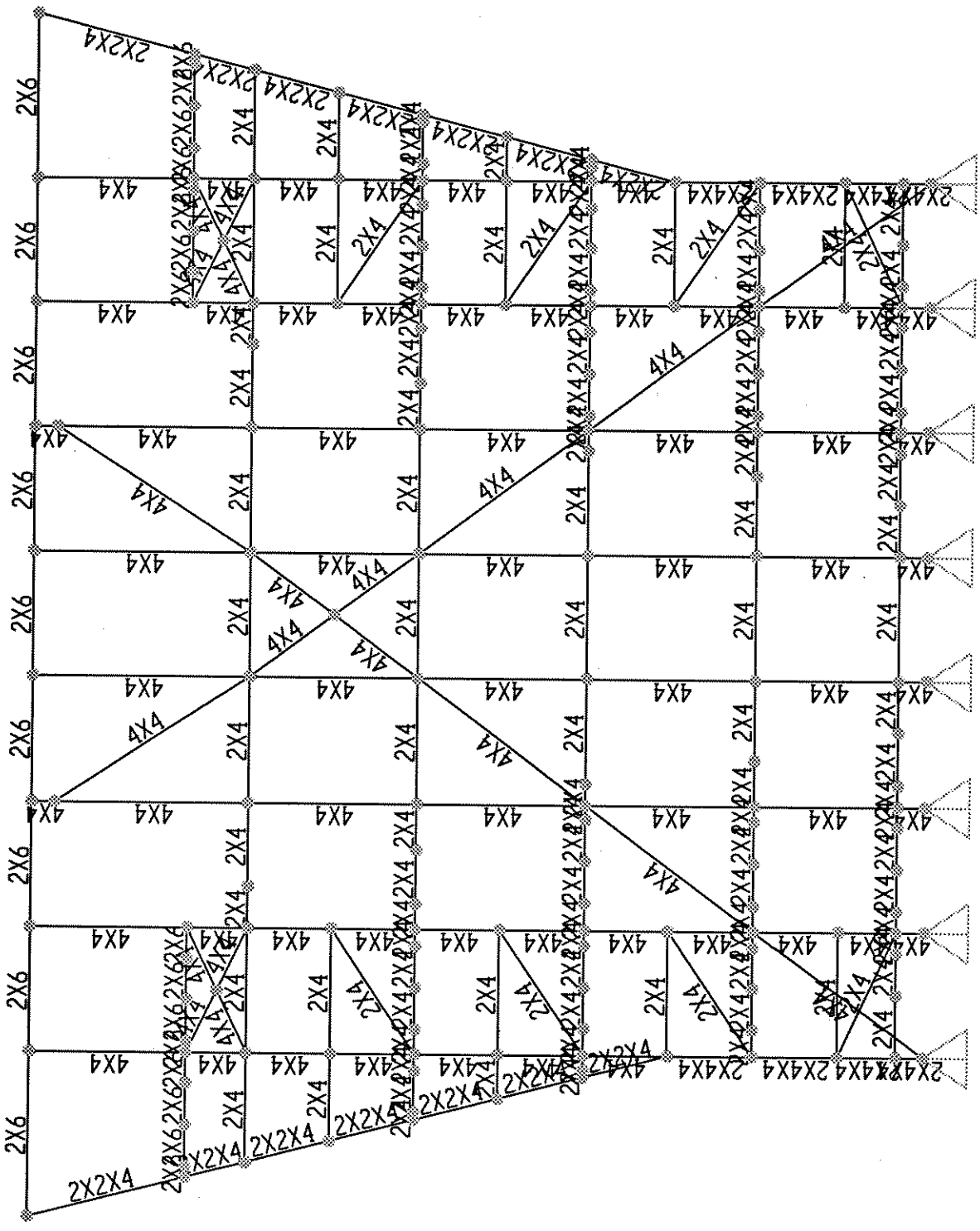
3/22/05 16:26:13



SAP2000

SAP2000 v7.40 - File:End Bent Seismic - X-Z Plane @ Y=120 - lb-in Units

3/22/05 16:26:21



SAP2000

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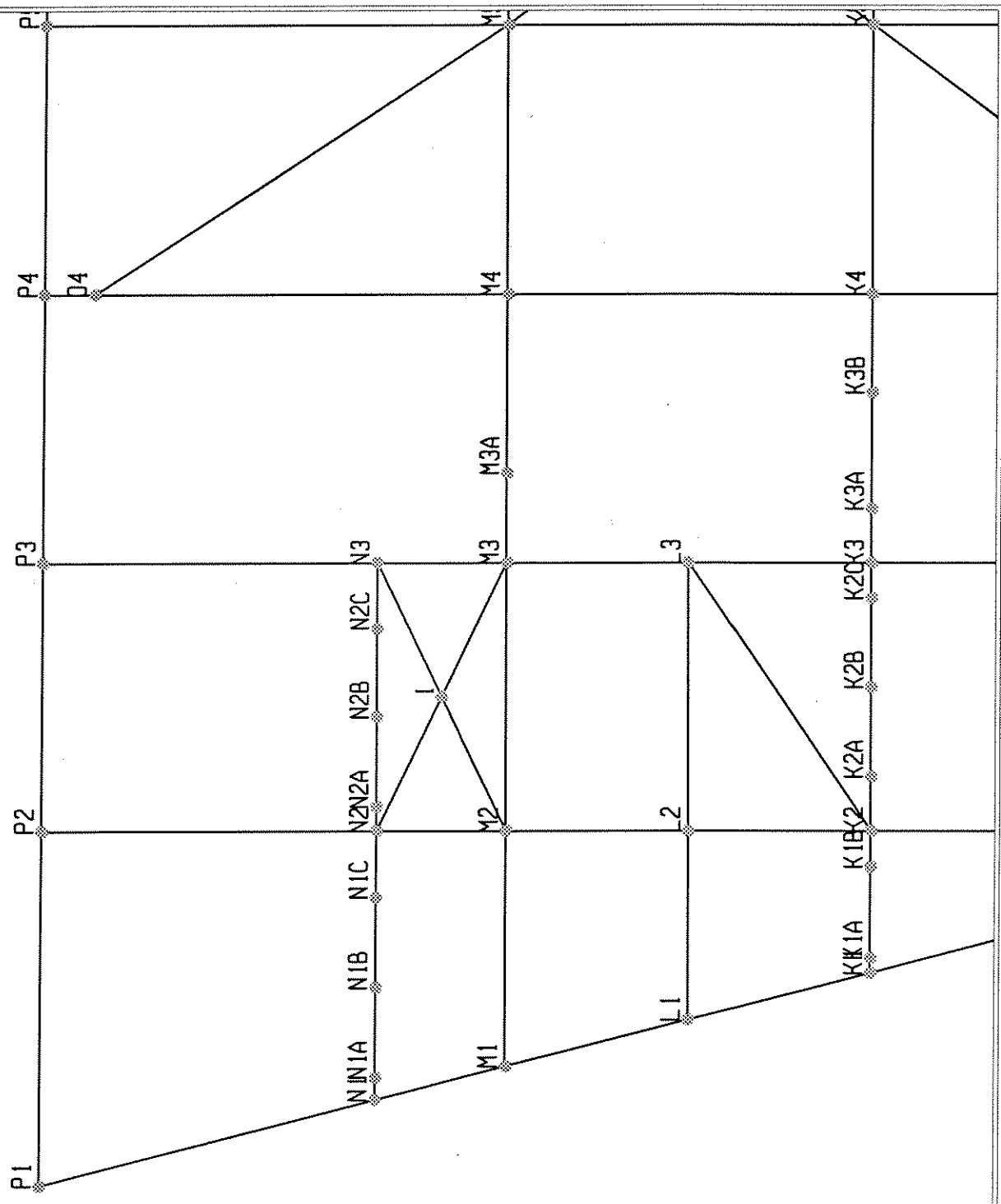
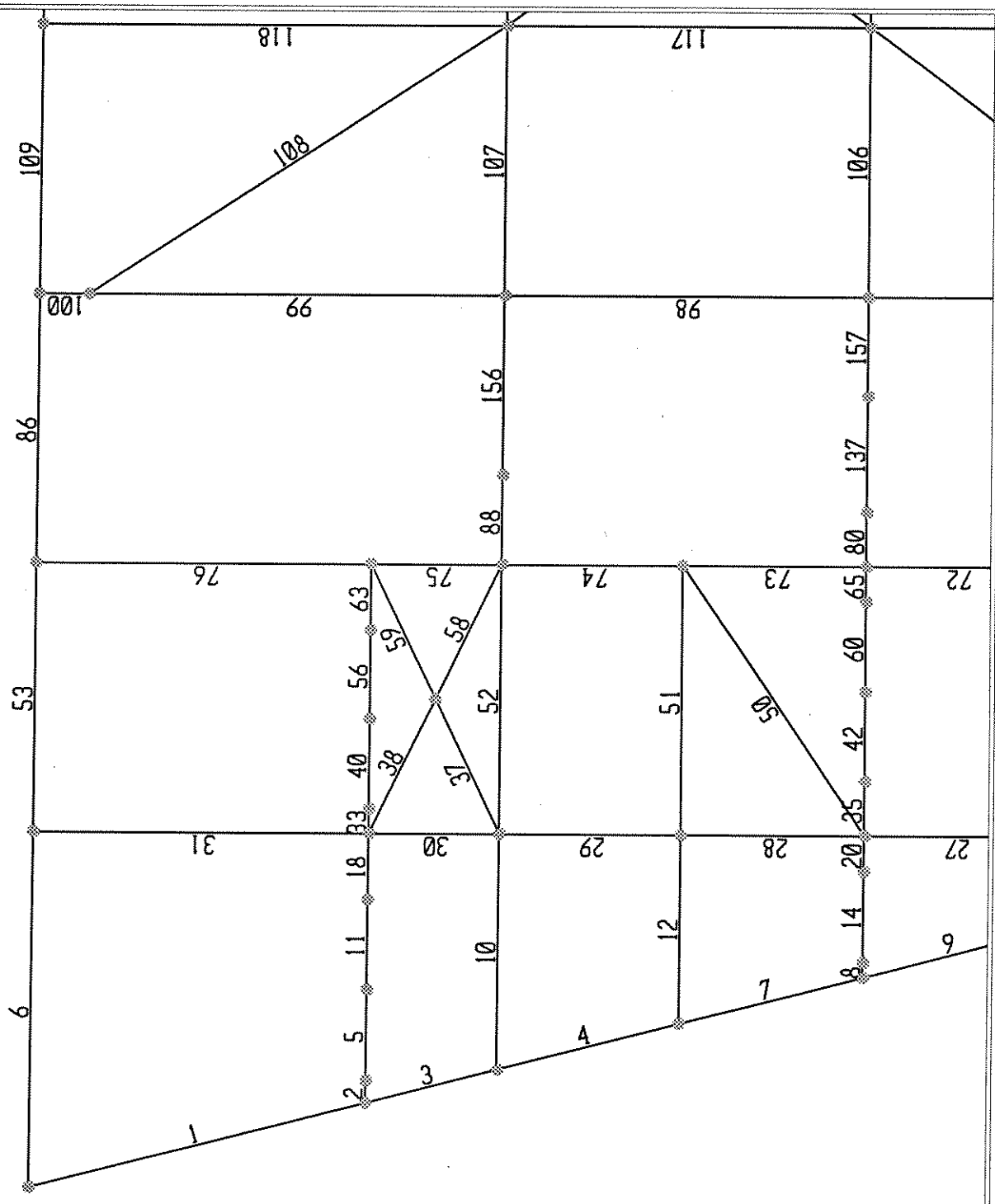
3/22/05 16:26:34



SAP2000

SAP2000 v7.40 - File:End Bent Seismic - X-Z Plane @ Y=120 - lb-in Units

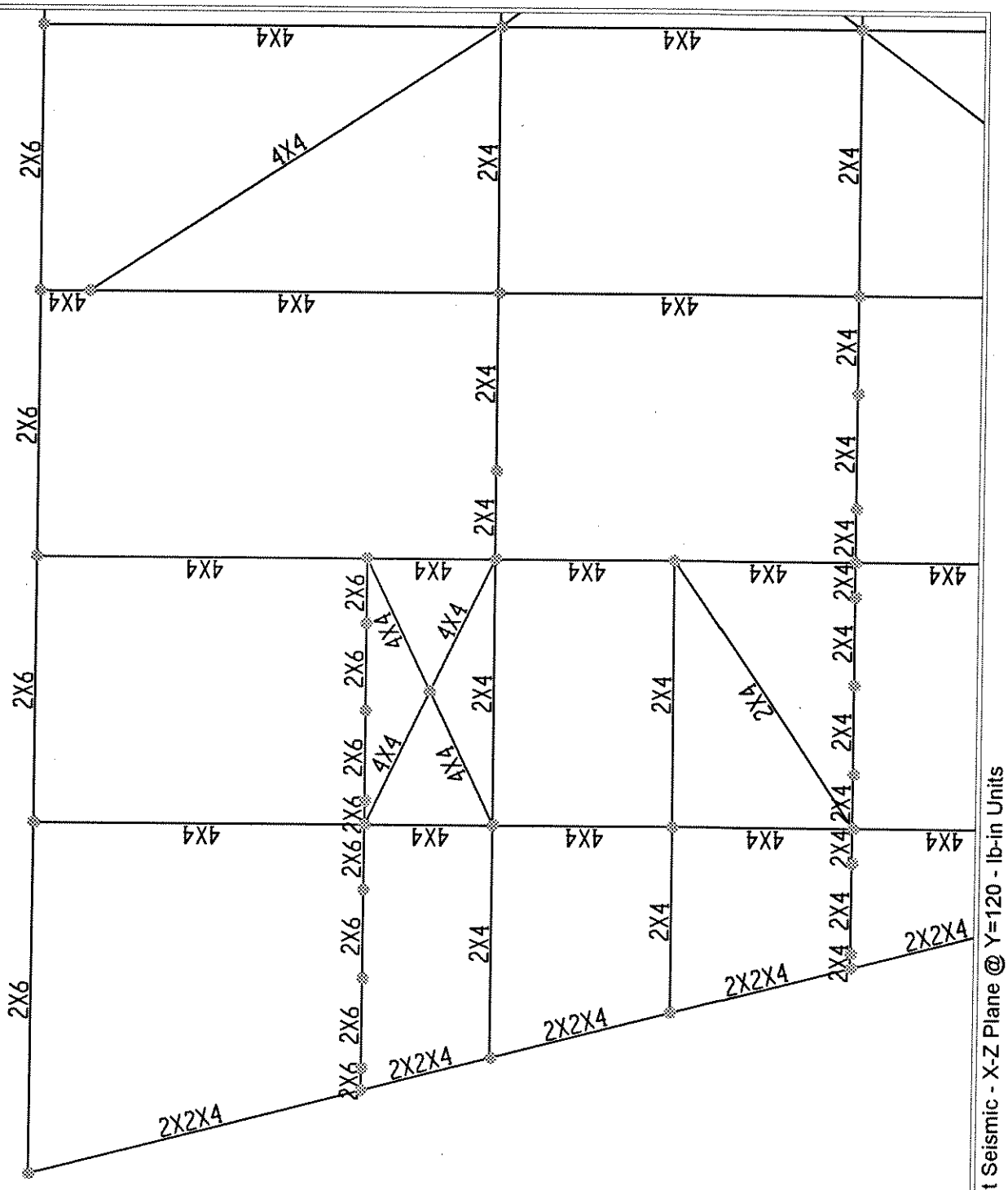
3/22/05 16:26:40



SAP2000

SAP2000 v7.40 - File:End Bent Seismic - X-Z Plane @ Y=120 - lb-in Units

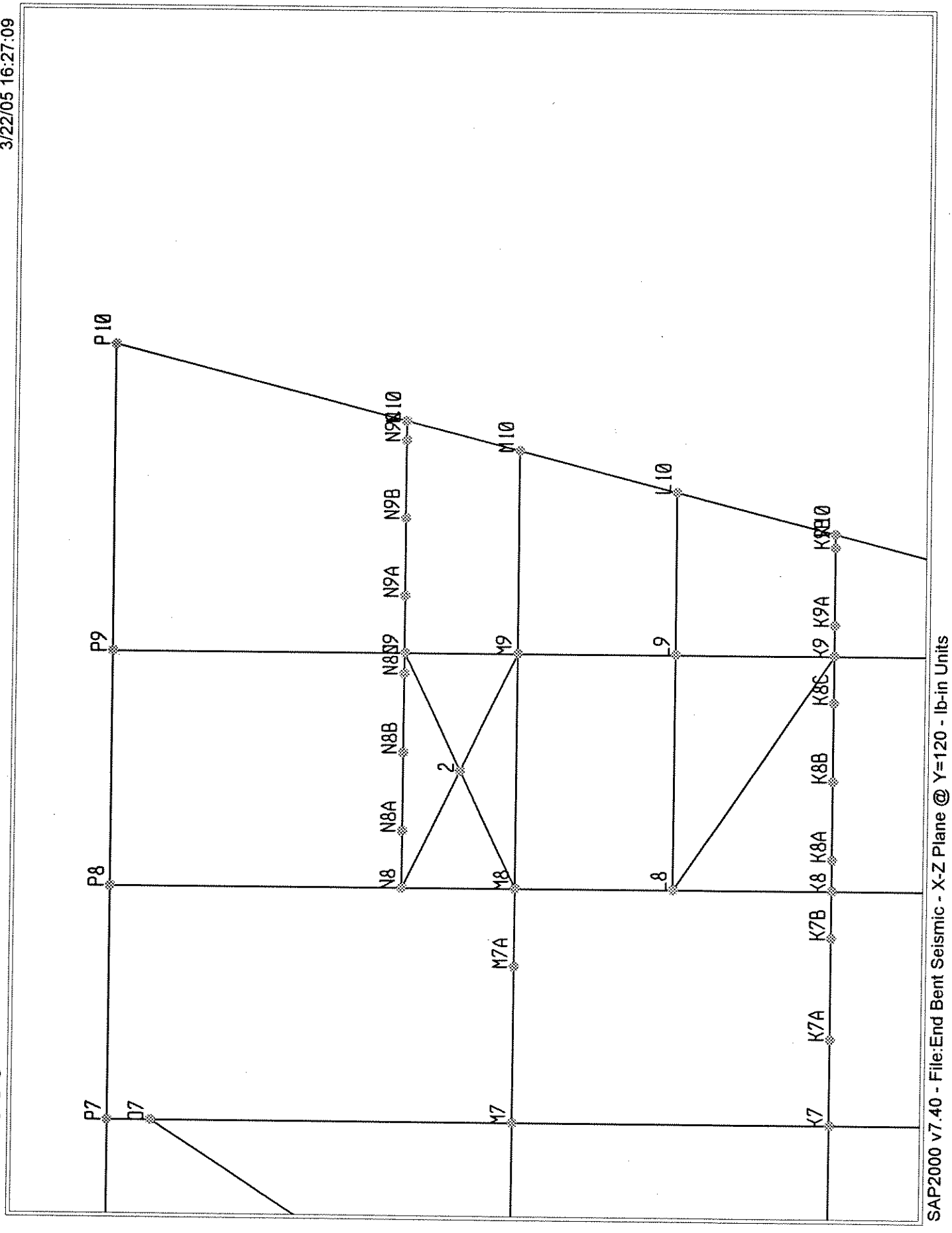
3/22/05 16:26:47



SAP2000

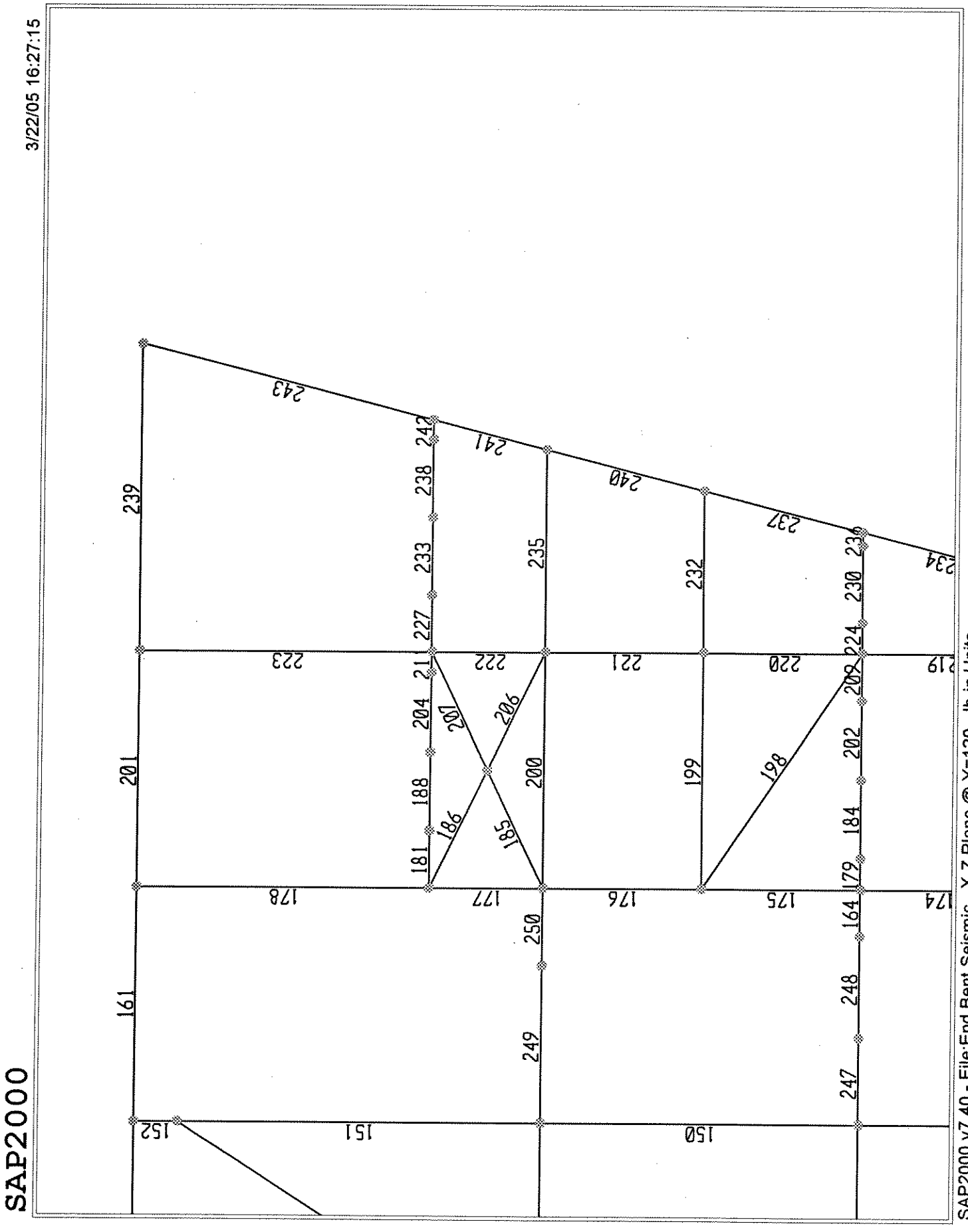
SAP2000 v7.40 - File:End Bent Seismic - X-Z Plane @ Y=120 - lb-in Units

3/22/05 16:27:09



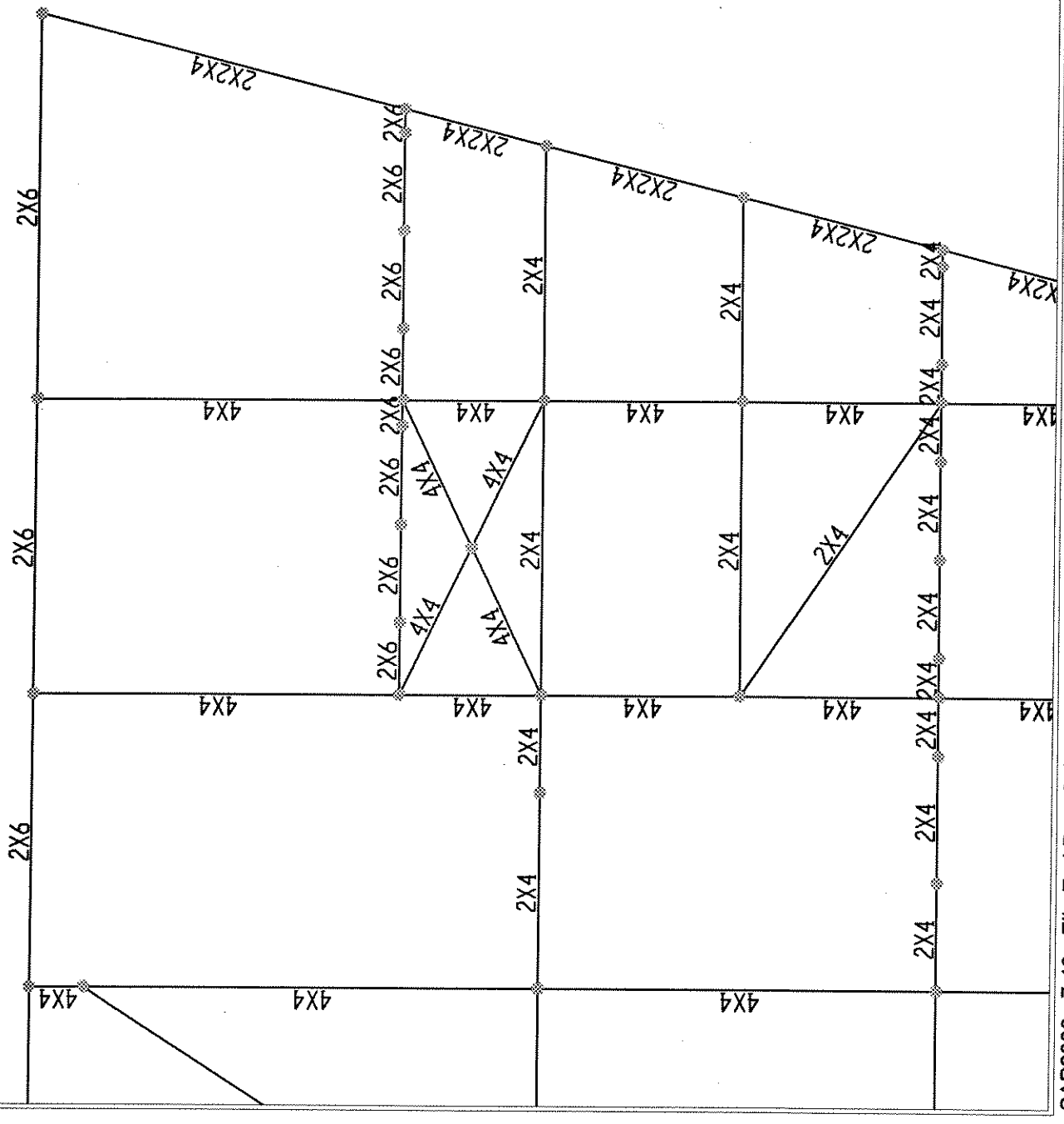
SAP2000 v7.40 - File:End Bent Seismic - X-Z Plane @ Y=120 - lb-in Units

3/22/05 16:27:15



SAP2000 v7.40 - File:End Bent Seismic - X-Z Plane @ Y=120 - lb-in Units

3/22/05 16:27:21



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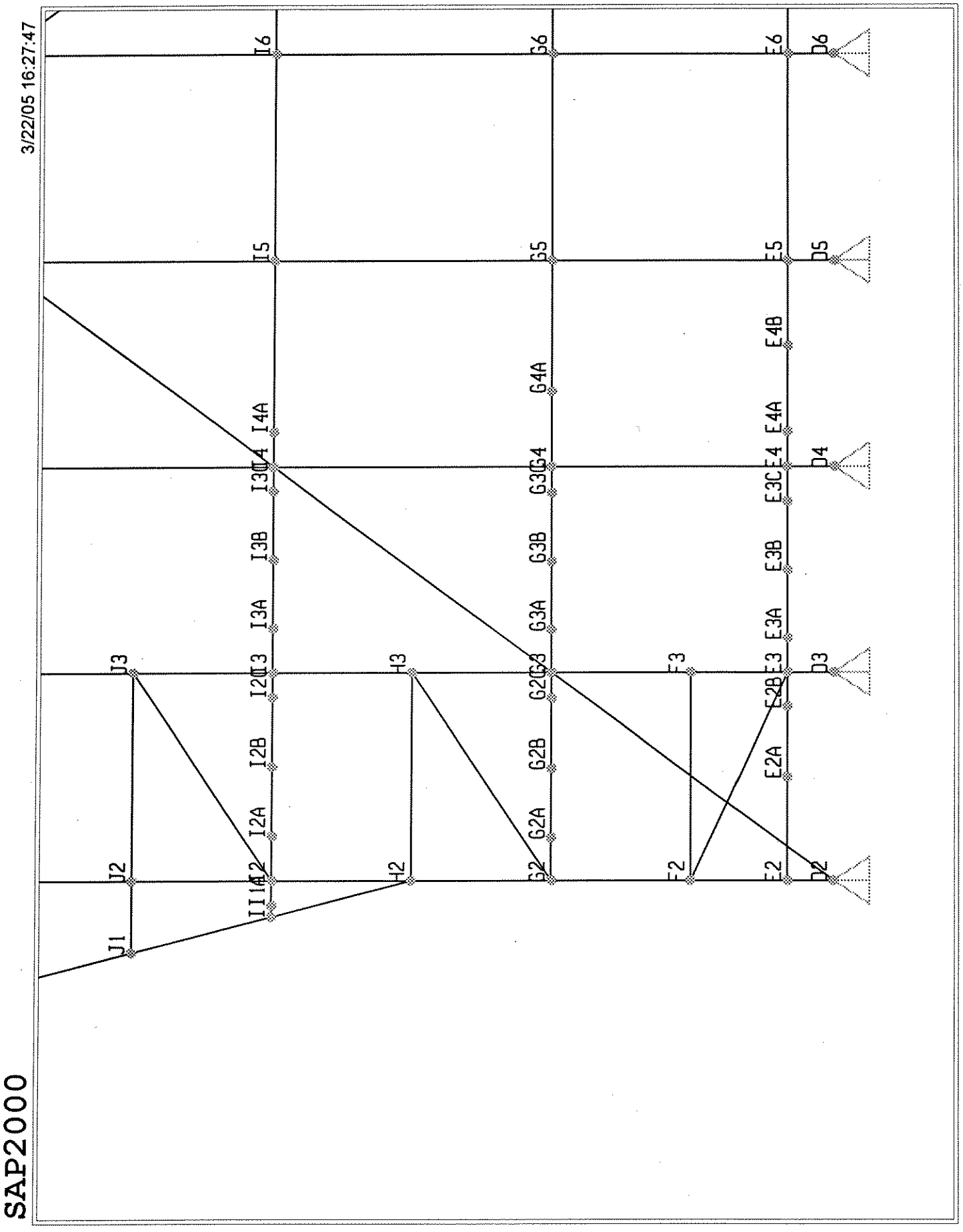
SAP2000 v7.40 - File:End Bent Seismic - X-Z Plane @ Y=120 - lb-in Units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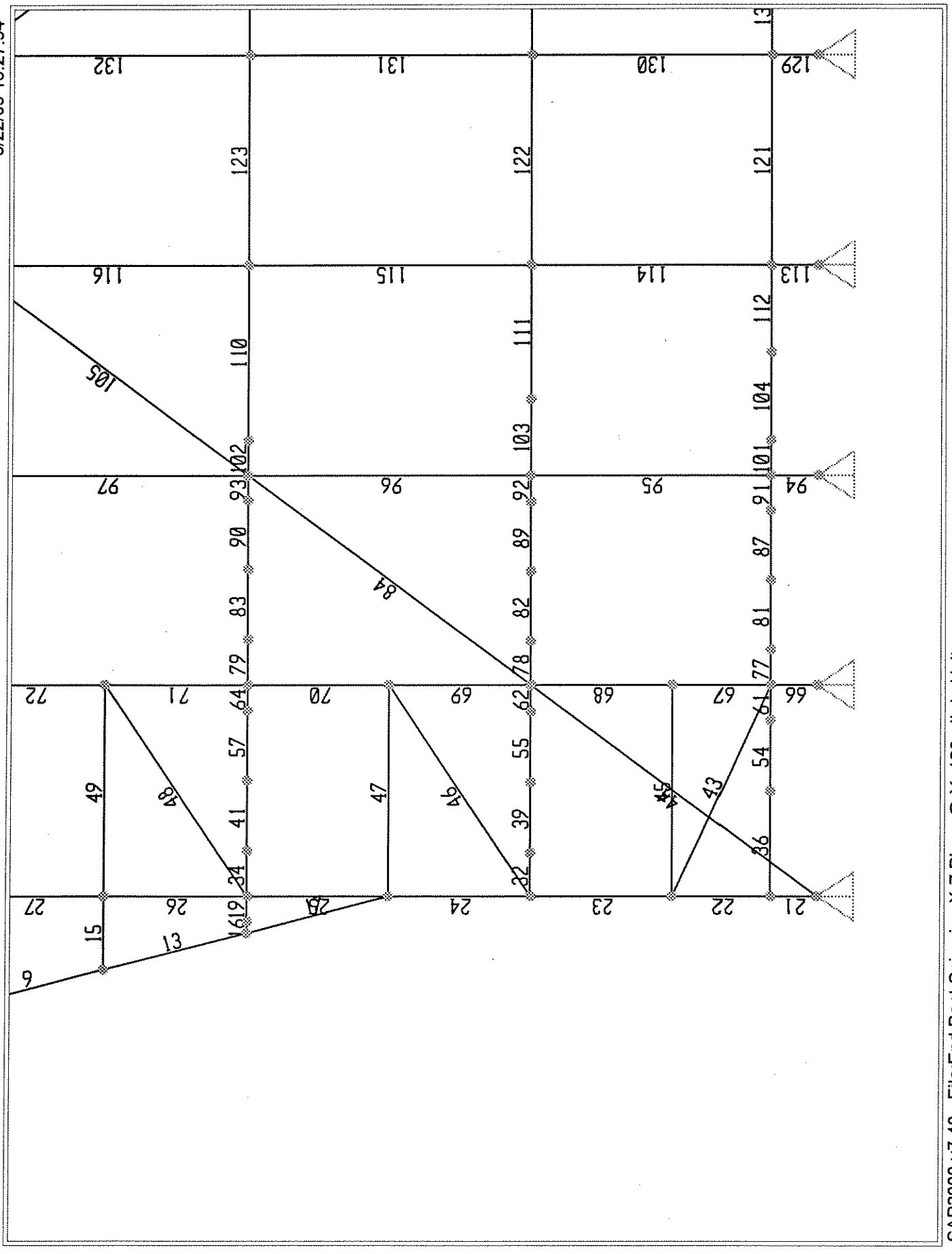
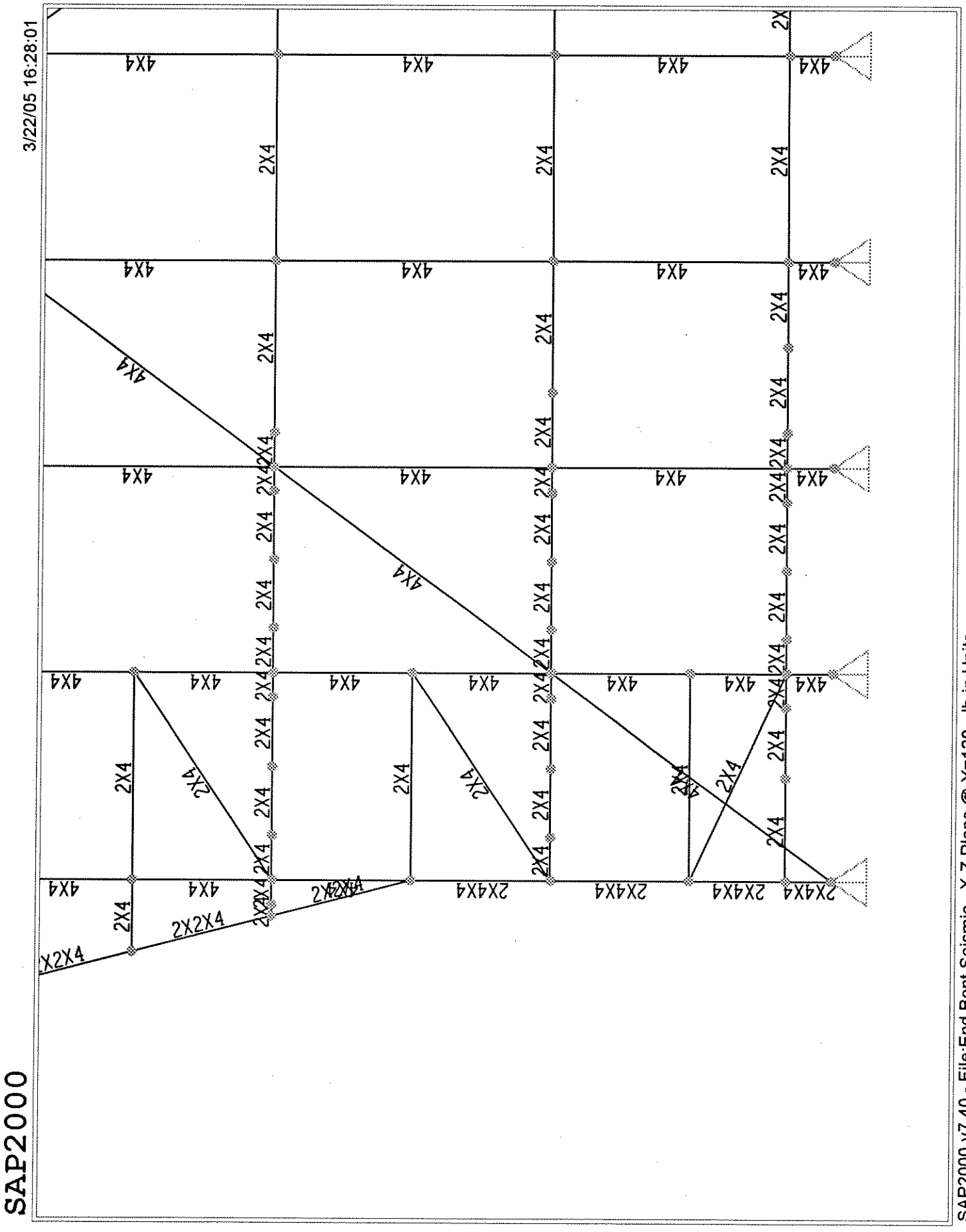
J1
J2
J3
I1
I2
I2A
I2B
I3
I3A
I3B
I3C
I4
I4A
I5
I6
H2
H3
G2
G2A
G2B
G2C
G3
G3A
G3B
G3C
G4
G4A
G5
G6
F2
F3
E2
E2A
E2B
E3
E3A
E3B
E3C
E4
E4A
E4B
E5
E6
D2
D3
D4
D5
D6
SAP2000 v7.40 - File:End Bent Seismic - X-Z Plane @ Y=120 - lb-in Units

3/22/05 16:27:54



SAP2000 v7.40 - File:End Bent Seismic - X-Z Plane @ Y=120 - lb-in Units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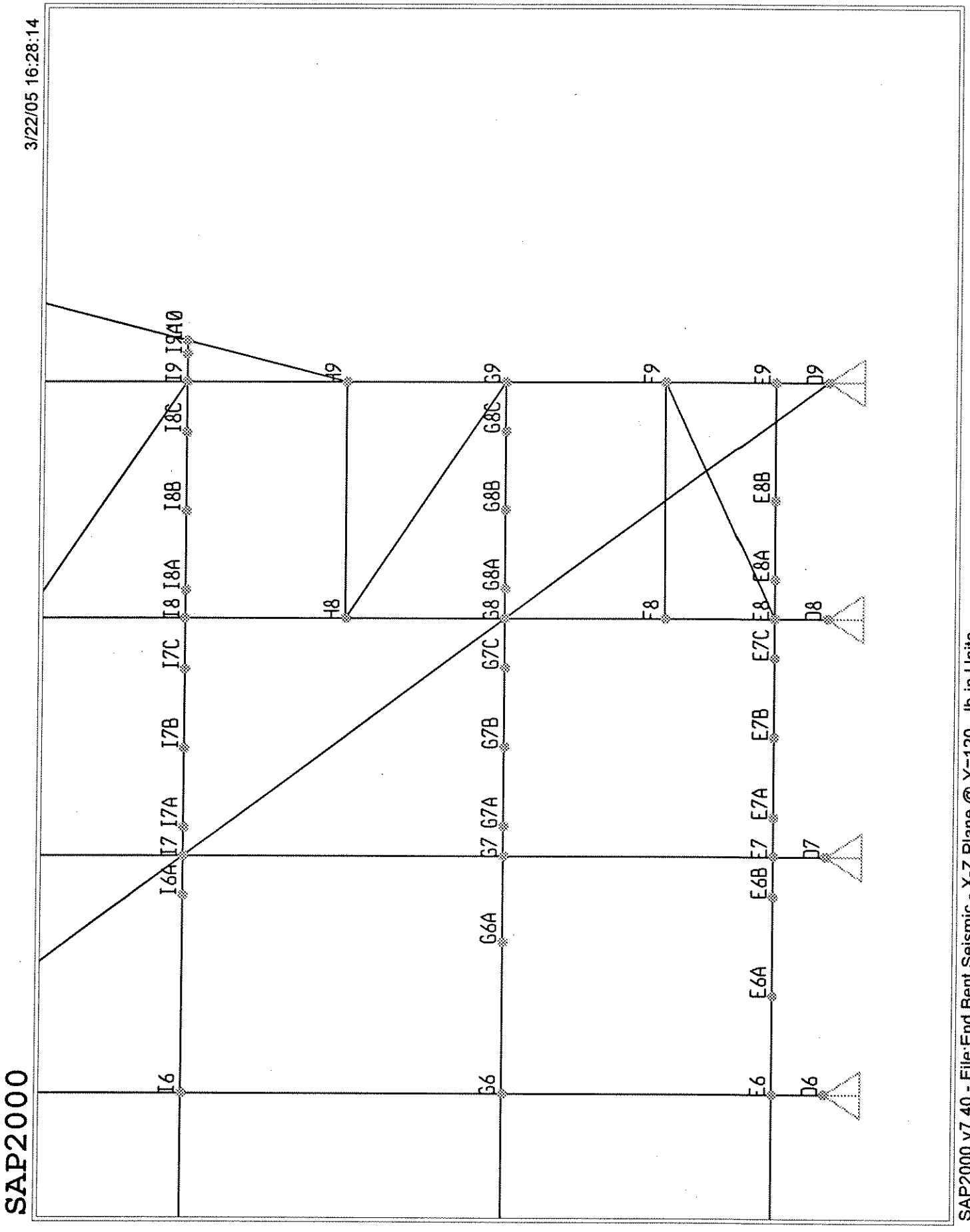
SAP2000 v7.40 - File:End Bent Seismic - X-Z Plane @ Y=120 - lb-in Units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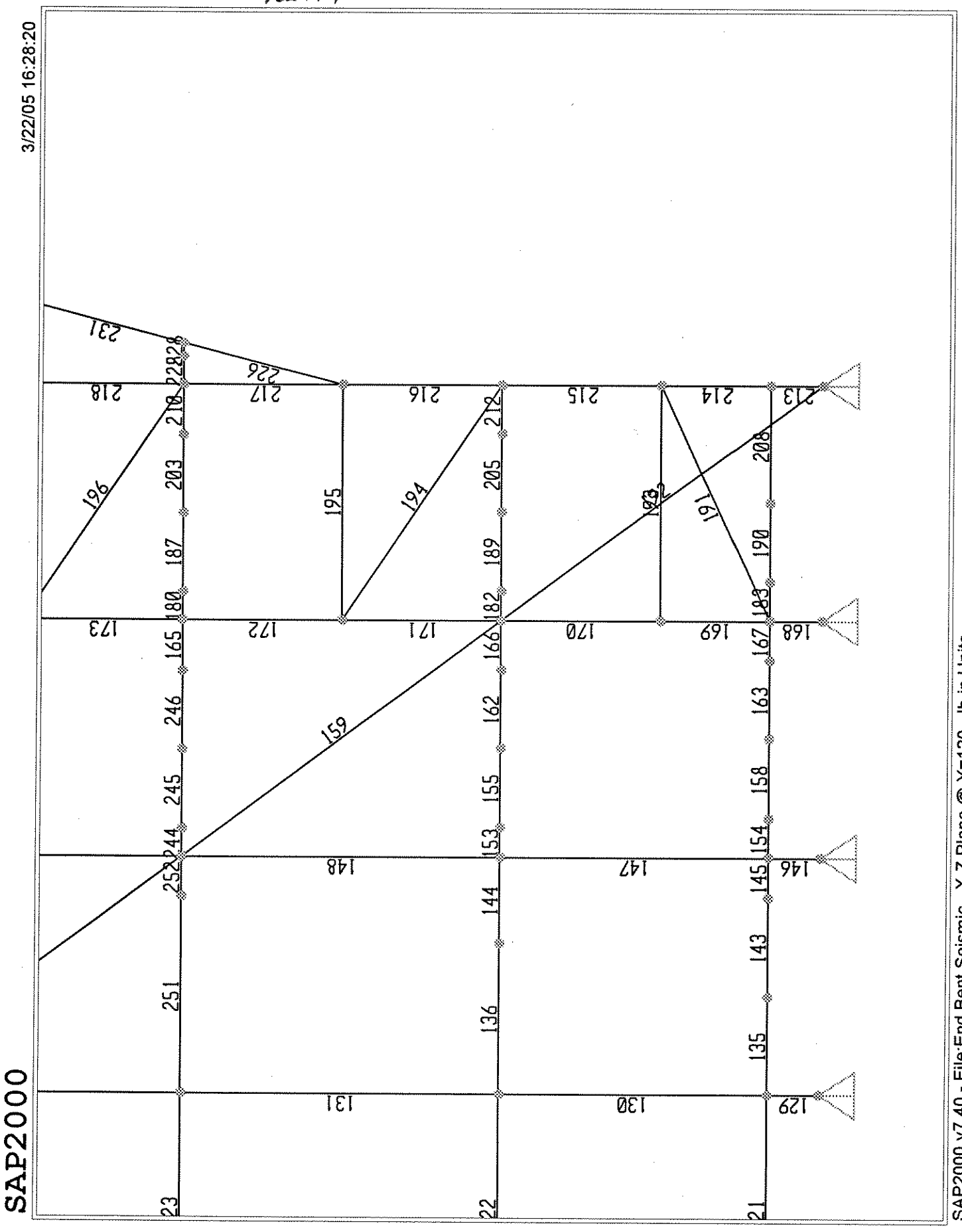
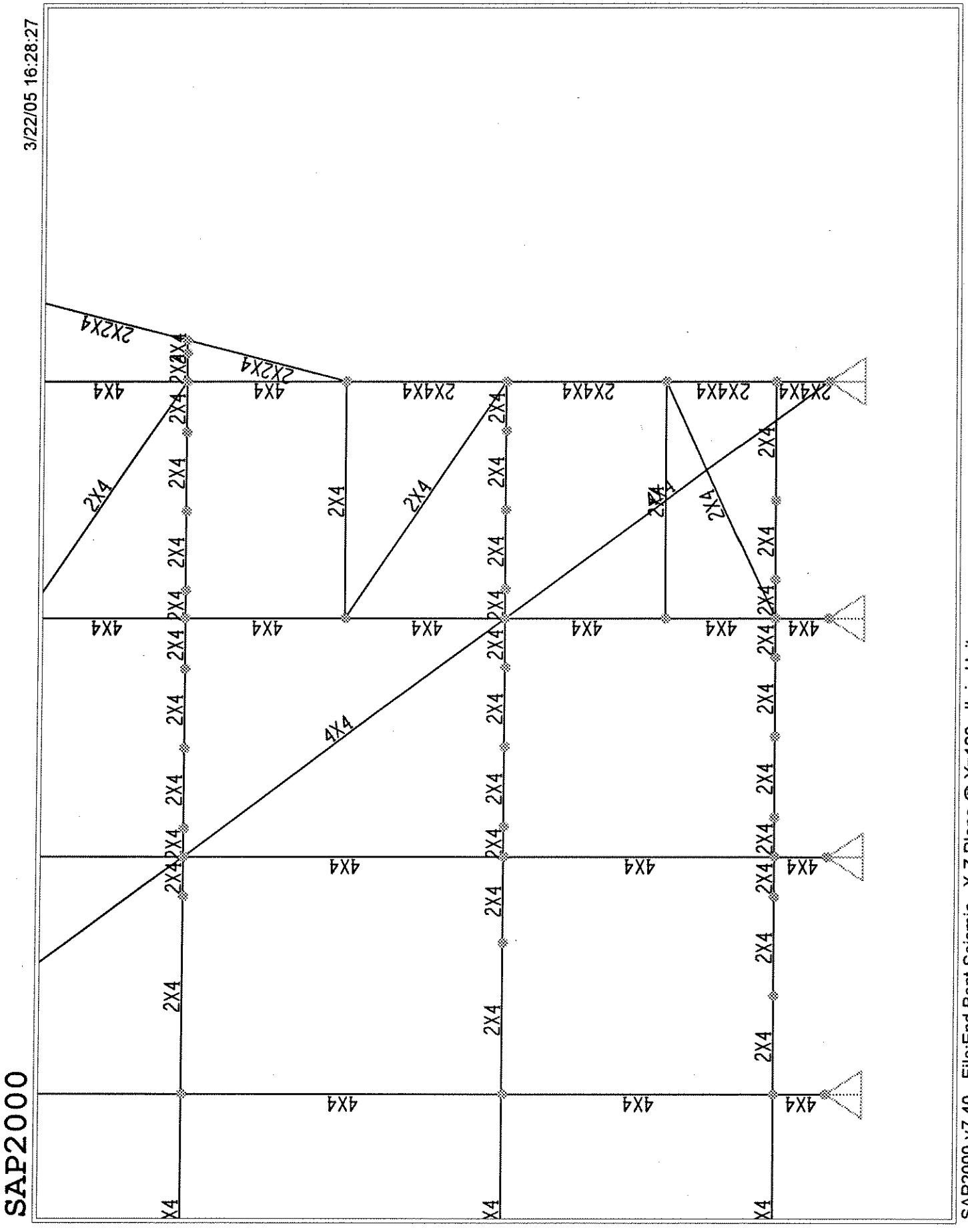
I9 I9A0
I8C
I8B
I8 I8A
I7C
I7B
I7 I7A
I6A
I6
H9
H8
G9
G8C
G8B
G8 G8A
G7C
G7B
G7 G7A
G6A
G6
F9
F8
E9
E8B
E8 E8A
E7C
E7B
E7 E7A
E6B
E6A
E6
D9
D8
D7
D6
SAP2000 v7.40 - File:End Bent Seismic - X-Z Plane @ Y=120 - lb-in Units

3/22/05 16:28:20

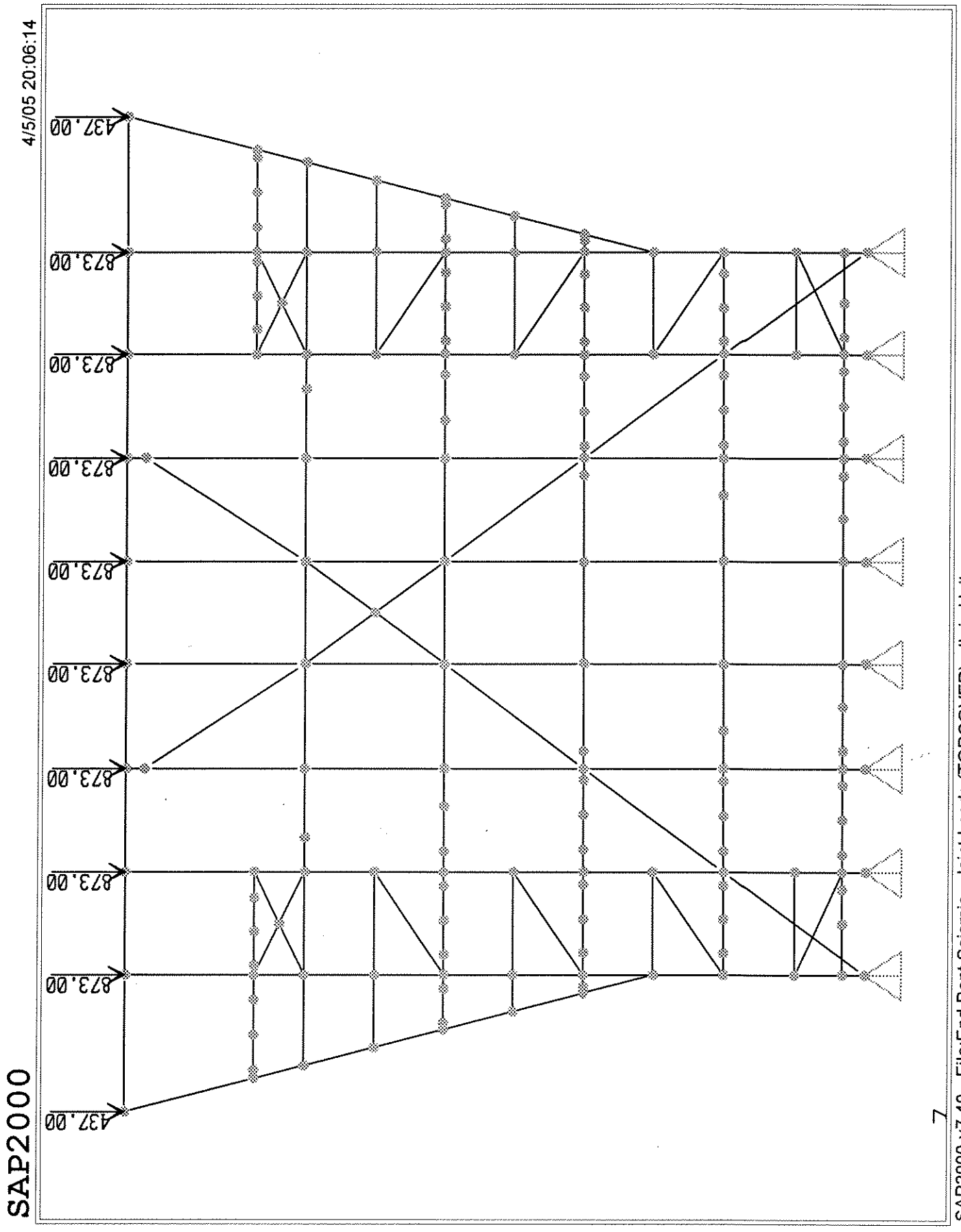


SAP2000 v7.40 - File:End Bent Seismic - X-Z Plane @ Y=120 - lb-in Units

3/22/05 16:28:27



SAP2000 v7.40 - File:End Bent Seismic - X-Z Plane @ Y=120 - lb-in Units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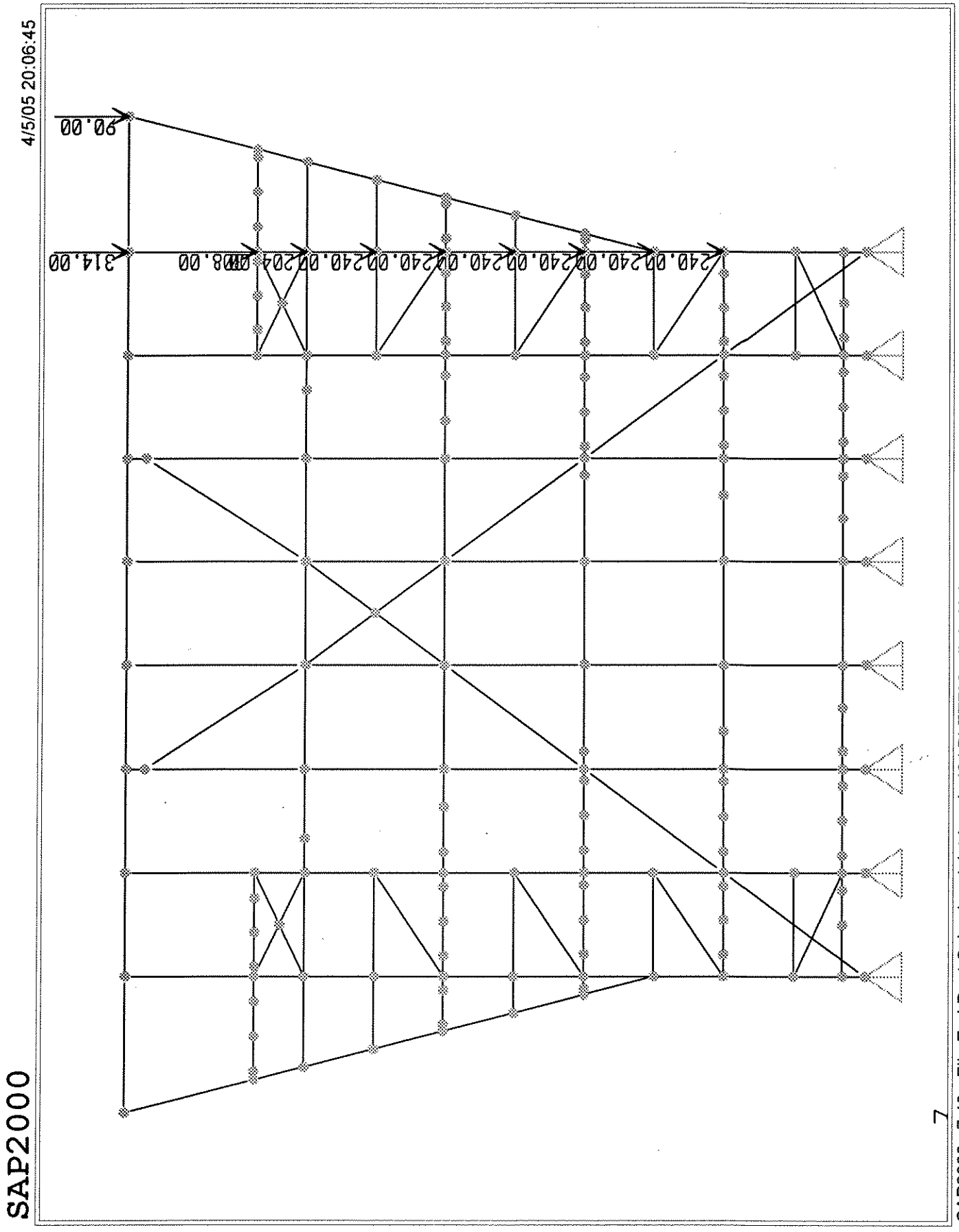
SAP2000
437.00
873.00
873.00
873.00
873.00
873.00
873.00
873.00
873.00
437.00
7
SAP2000 v7.40 - File:End Bent Seismic - Joint Loads (TOPCOVER) - lb-in Units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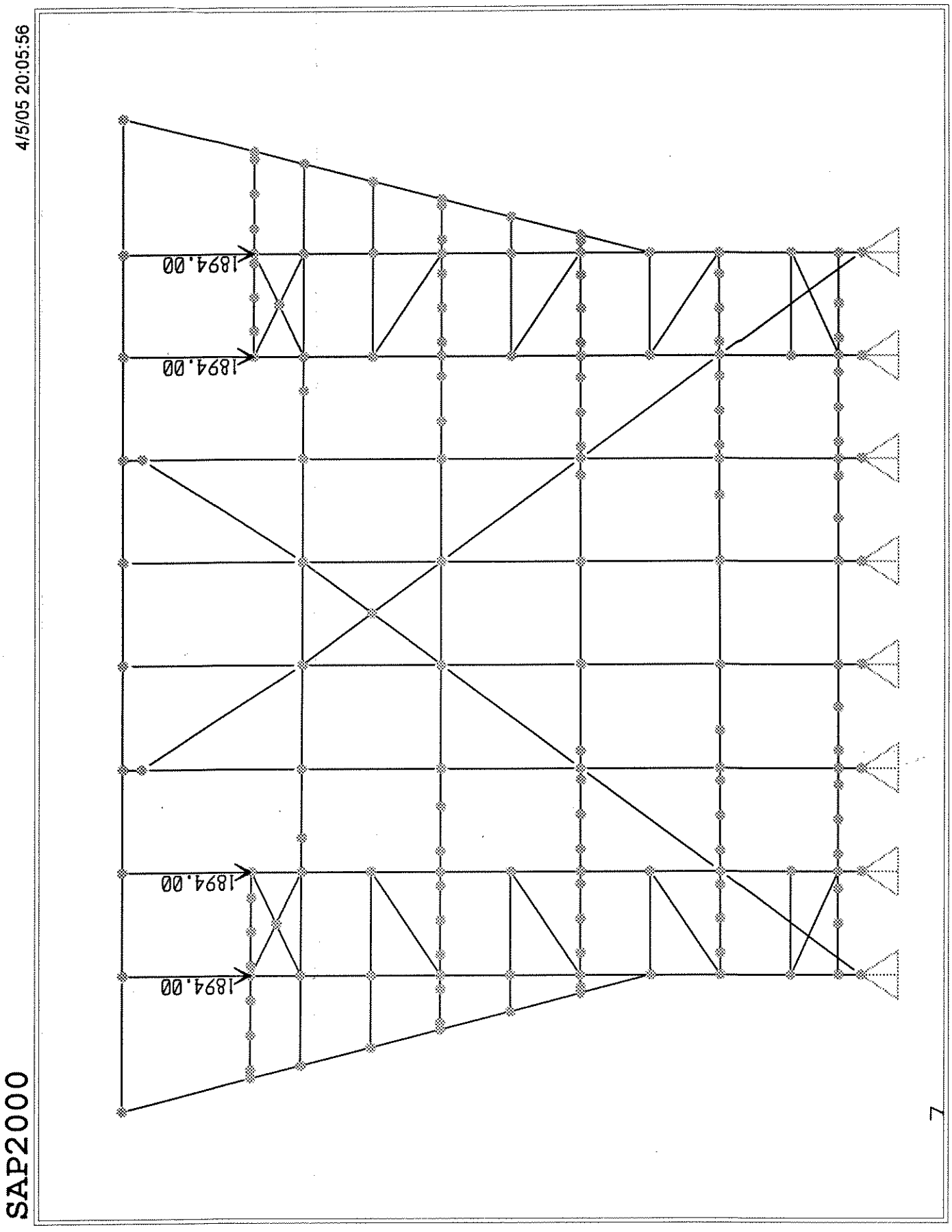
4/5/05 20:06:45
90.00
314.00
240.00240.00240.00240.00240.00240.00240.00
7
SAP2000 v7.40 - File:End Bent Seismic - Joint Loads (CABLETRY) - lb-in Units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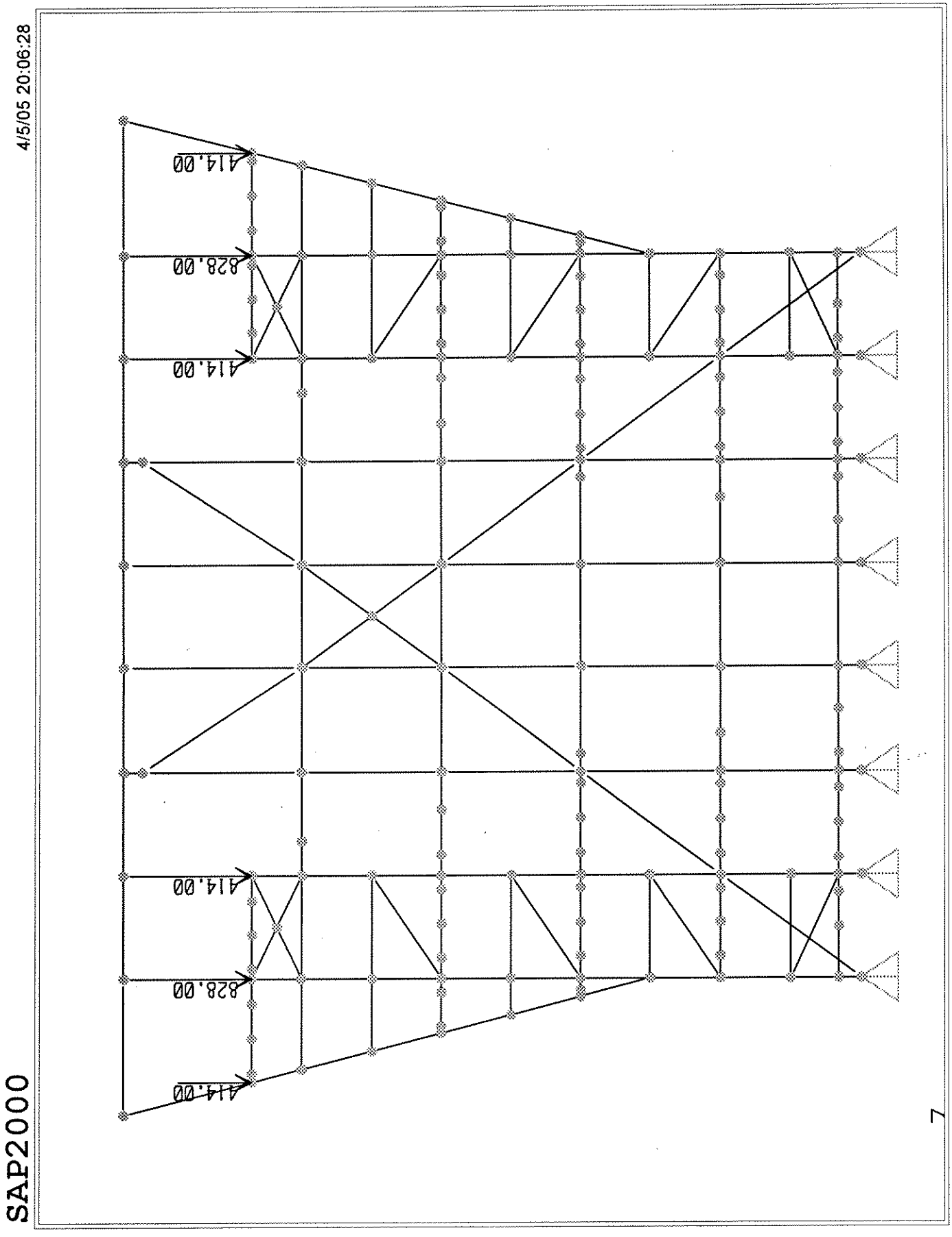
1894.00
1894.00
1894.00
7
SAP2000 v7.40 - File:End Bent Seismic - Joint Loads (MANIFOLD) - lb-in Units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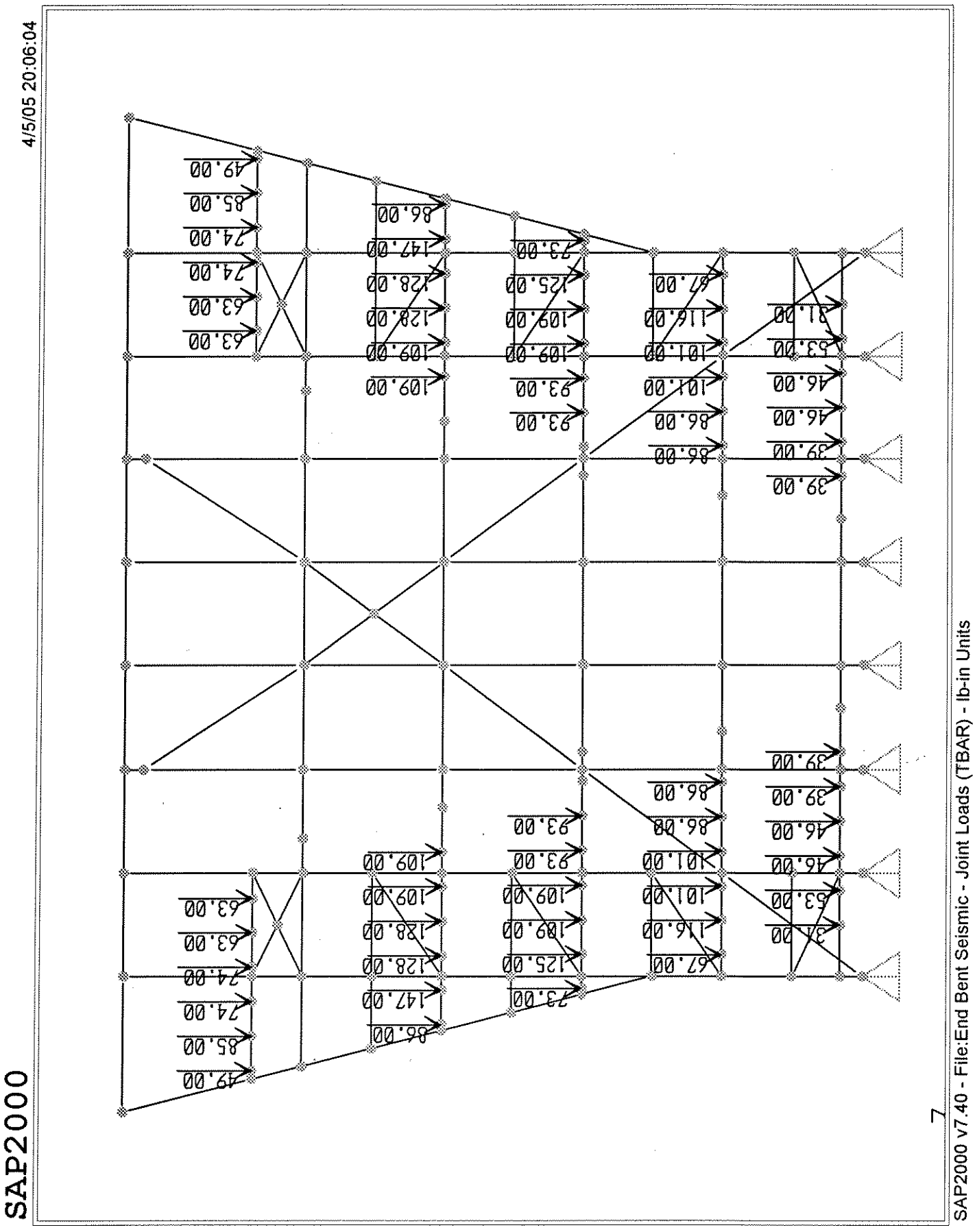
4/5/05 20:06:28
414.00
828.00
414.00
414.00
828.00
414.00
7
SAP2000 v7.40 - File:End Bent Seismic - Joint Loads (HOTBASIN) - lb-in Units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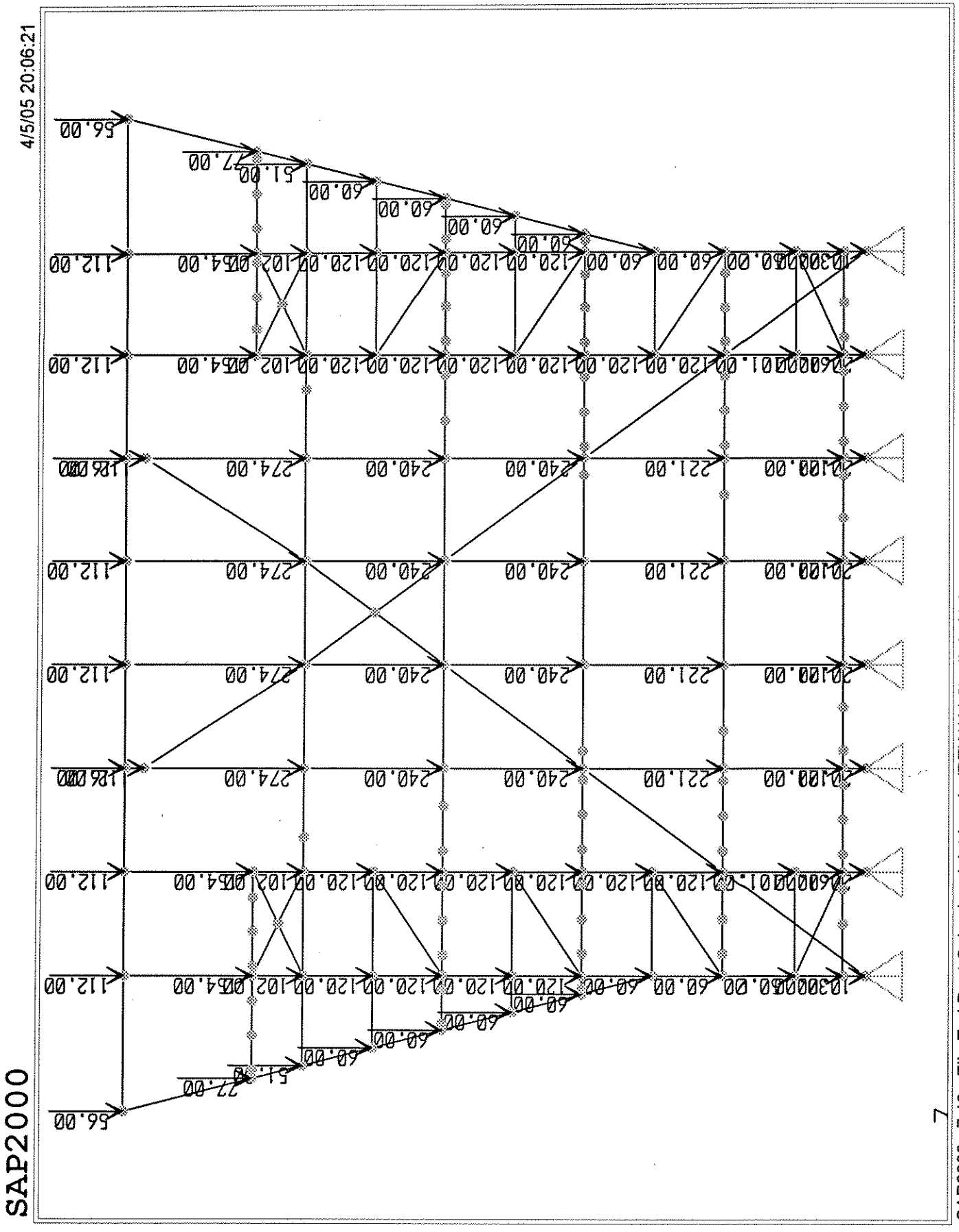
4/5/05 20:06:04
7
SAP2000 v7.40 - File:End Bent Seismic - Joint Loads (TBAR) - lb-in Units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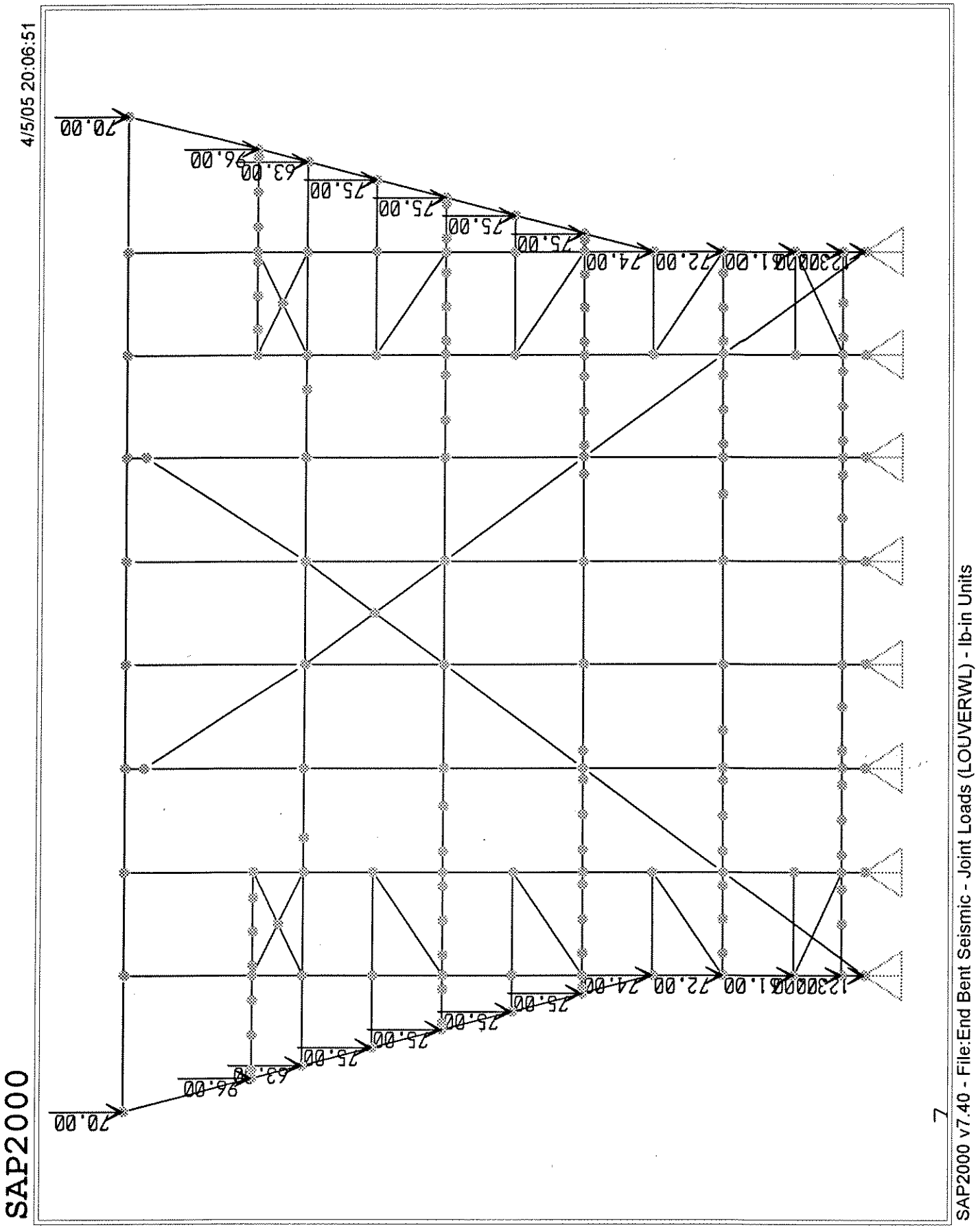
4/5/05 20:06:21
SAP2000 v7.40 - File:End Bent Seismic - Joint Loads (PEWALLS) - lb-in Units
7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20.00
26.00
63.00
25.00
25.00
25.00
25.00
24.00
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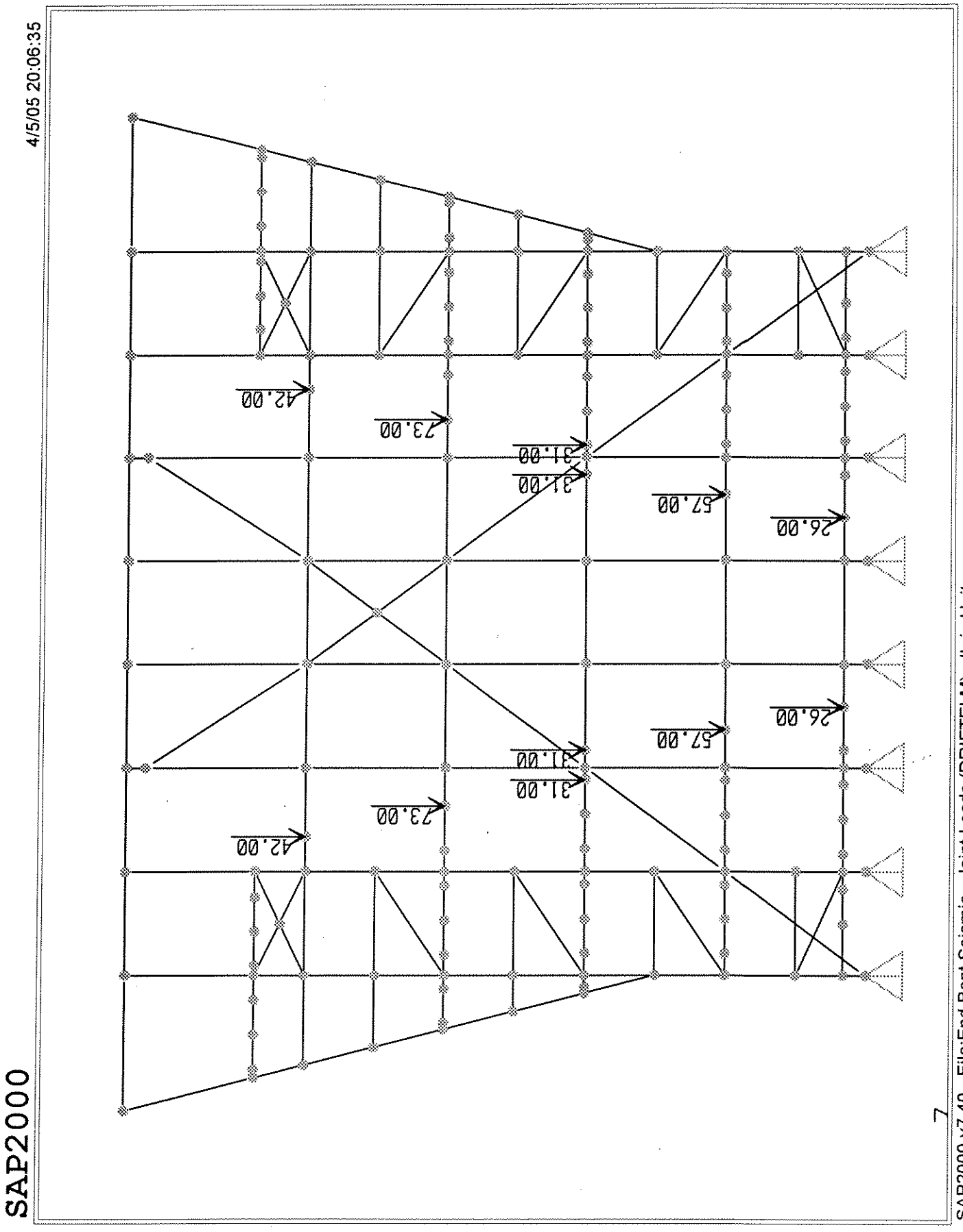
1.00
1.00
20.00
26.00
63.00
25.00
25.00
25.00
25.00
24.00
22.00
1.00
1.00
7
SAP2000 v7.40 - File:End Bent Seismic - Joint Loads (LOUVERWL) - lb-in Units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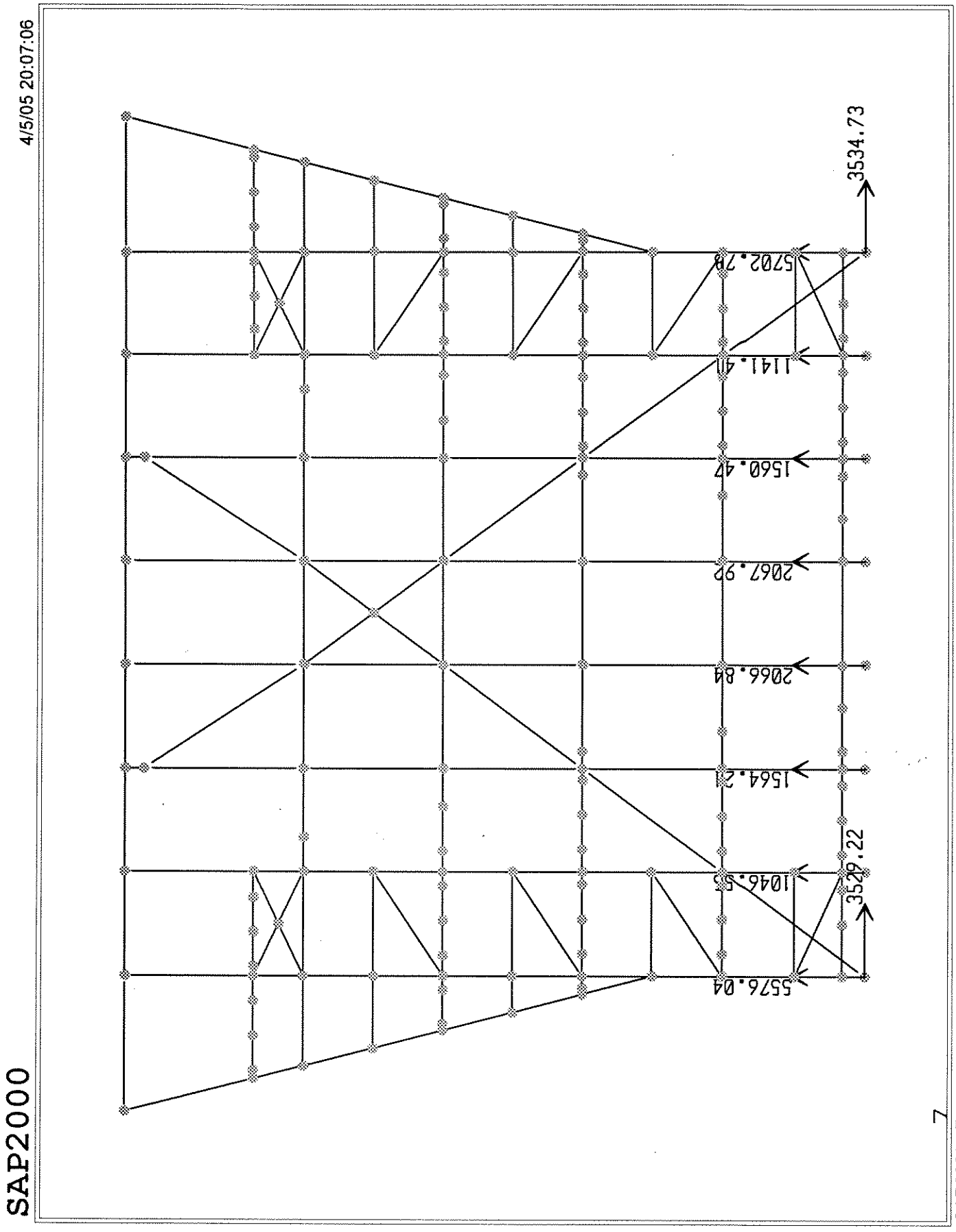
4/5/05 20:06:35
42.00
23.00
31.00
31.00
57.00
26.00
26.00
57.00
31.00
31.00
23.00
42.00
7
SAP2000 v7.40 - File:End Bent Seismic - Joint Loads (DRIFTELM) - lb-in Units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5702.78
1141.41
1560.47
2067.92
2066.84
1564.21
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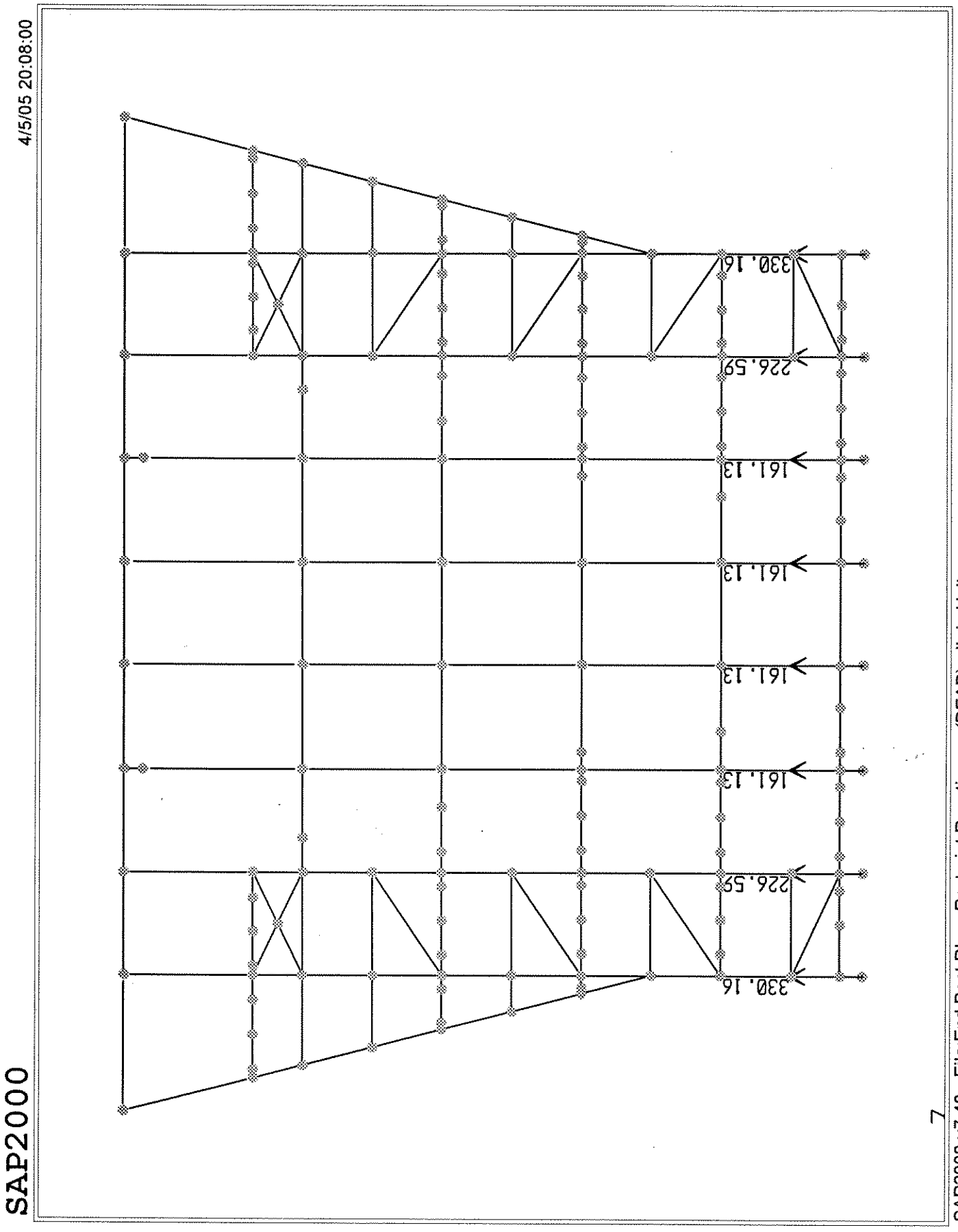
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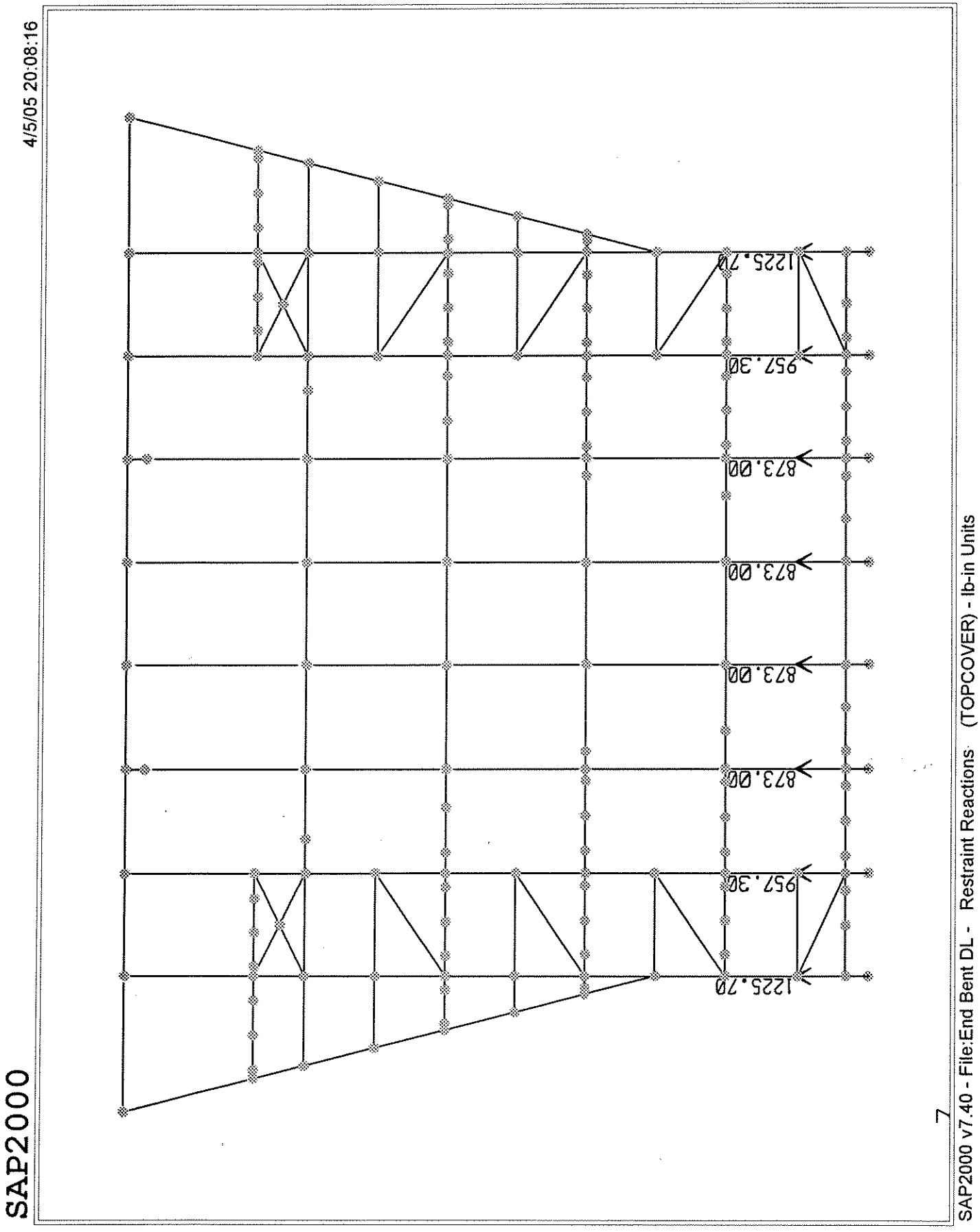
4/5/05 20:08:00
330.16
226.59
161.13
161.13
161.13
161.13
226.59
330.16
7
SAP2000 v7.40 - File:End Bent DL - Restraint Reactions (DEAD) - lb-in Units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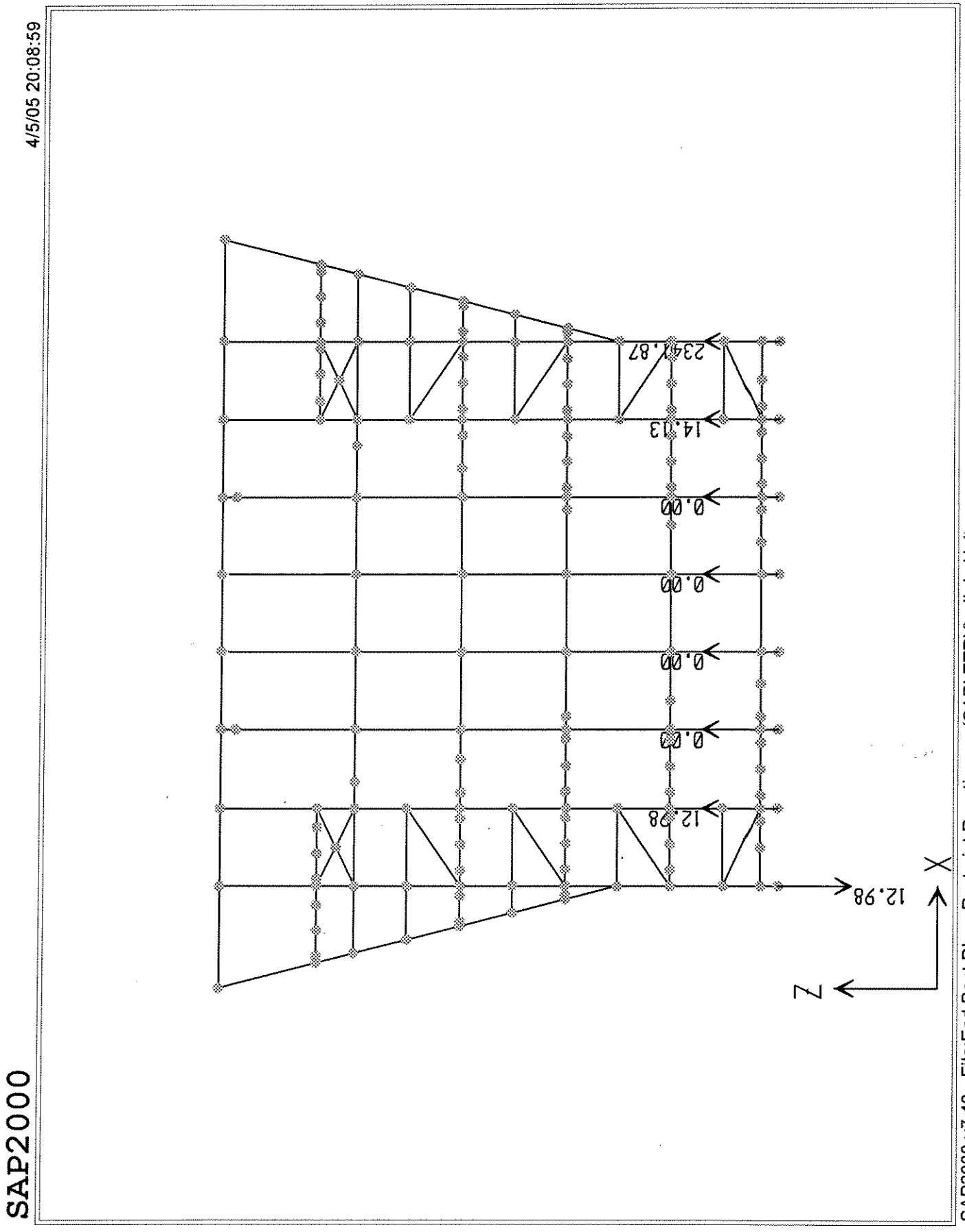
1225.70
957.30
873.00
873.00
873.00
873.00
957.30
1225.70
7
SAP2000 v7.40 - File:End Bent DL - Restraint Reactions (TOPCOVER) - lb-in Units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12.98
12.98
0.00
0.00
0.00
0.00
14.13
2341.87
Z
X
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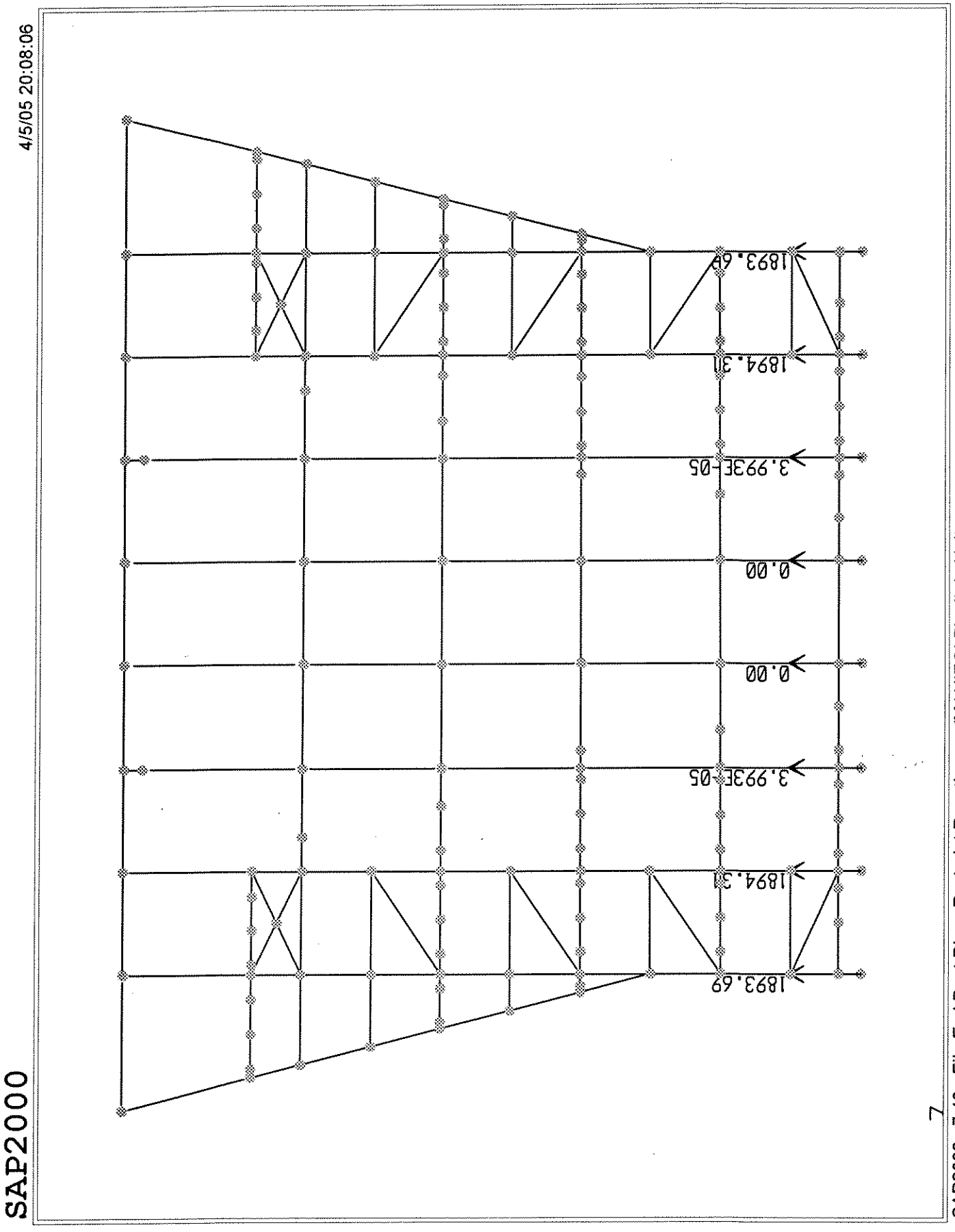
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0.00
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1894.31
1893.69
7
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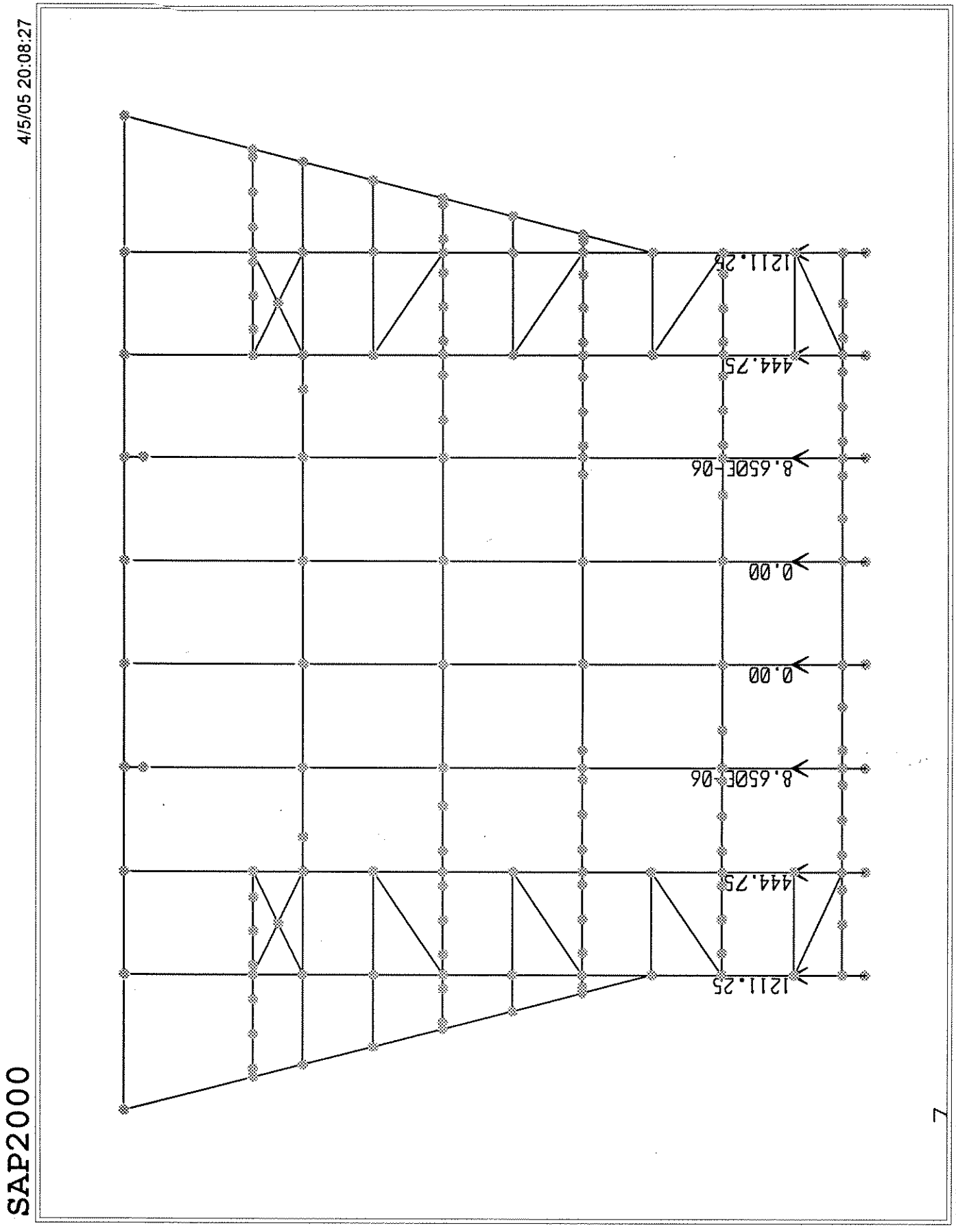
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0.00
8.650E-06
444.75
1211.25
7
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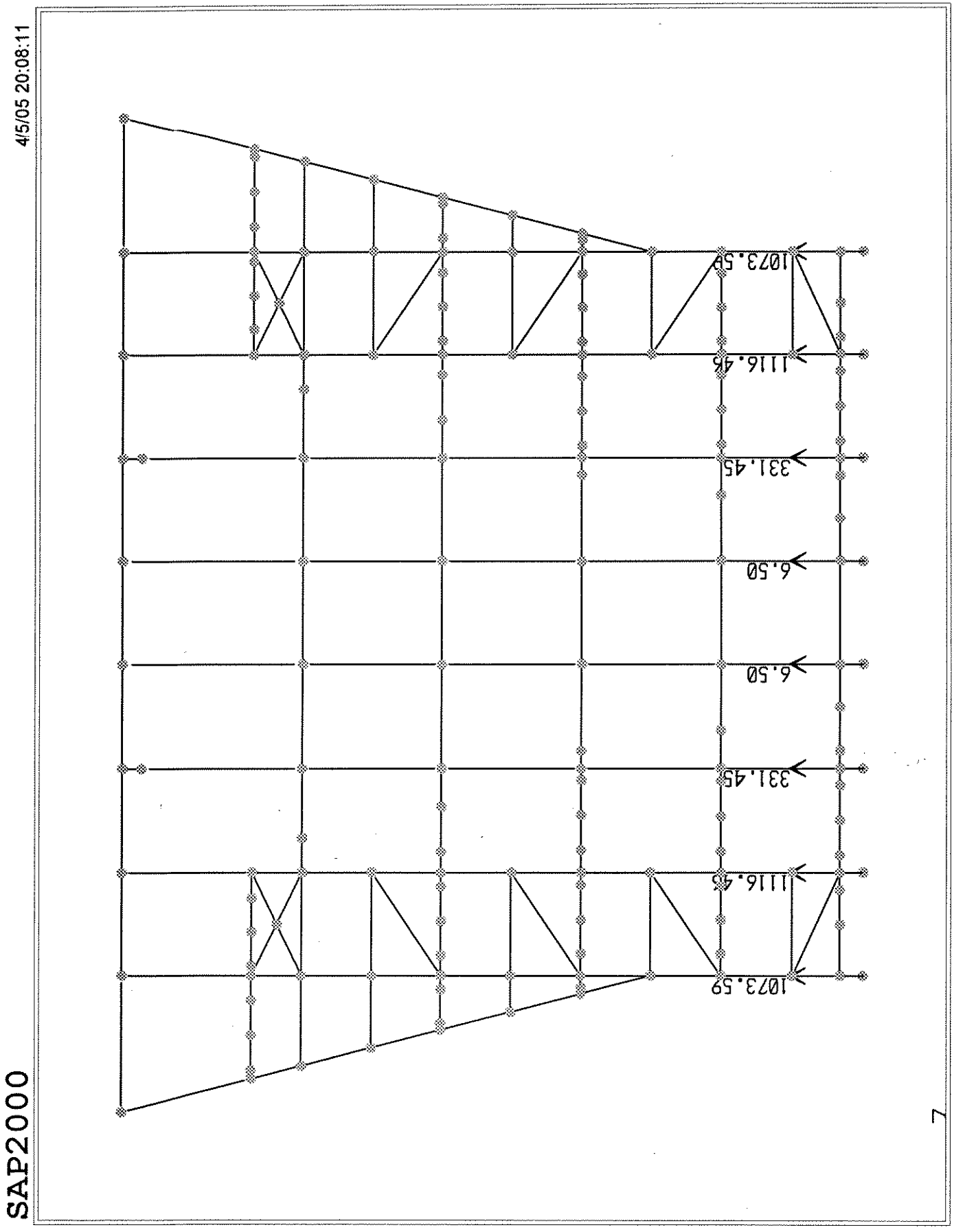
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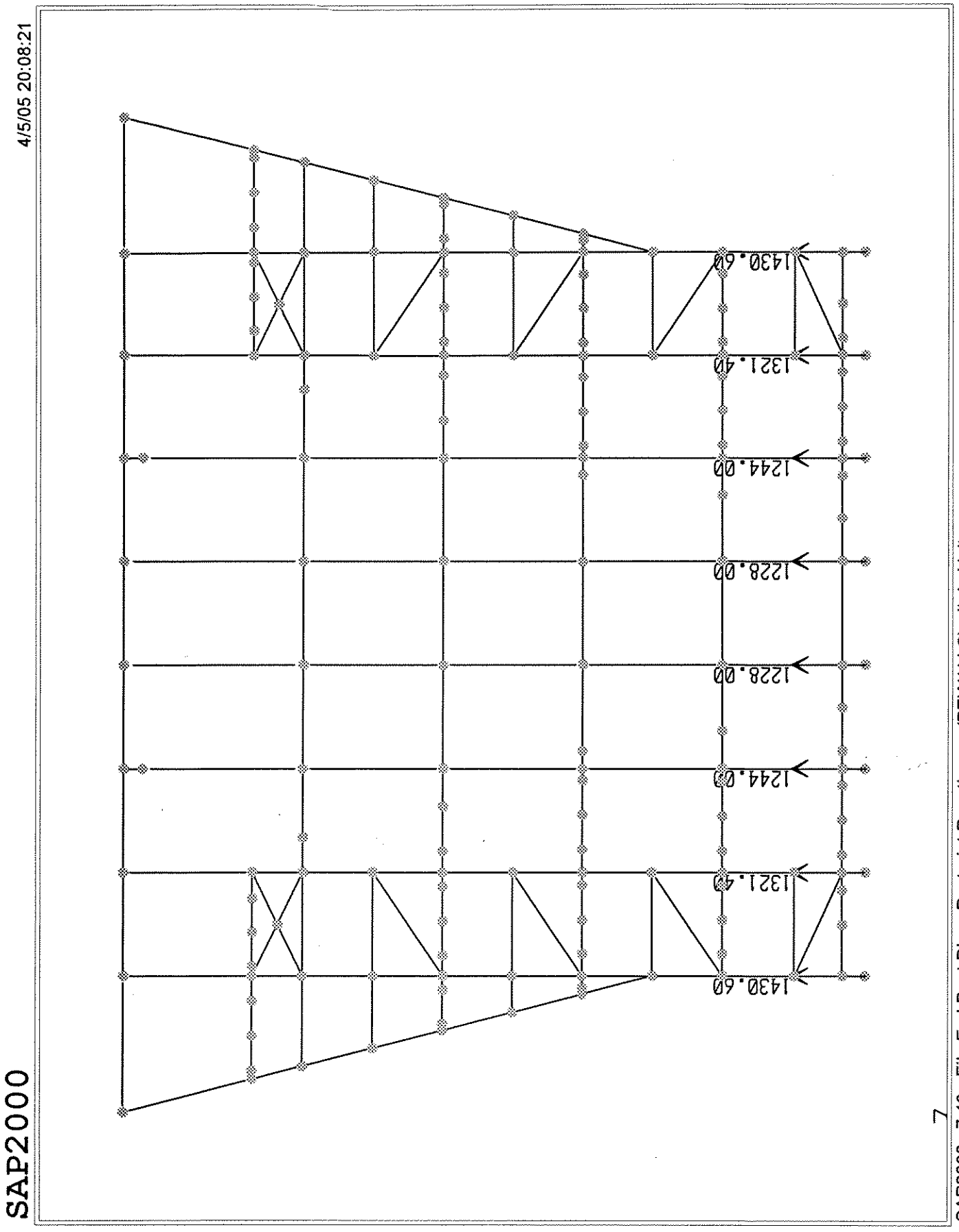
1116.45
331.45
6.50
6.50
331.45
1116.45
1073.59
7
SAP2000 v7.40 - File:End Bent DL - Restraint Reactions (TBAR) - lb-in Units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1430.60
1321.40
1244.00
1228.00
1228.00
1244.00
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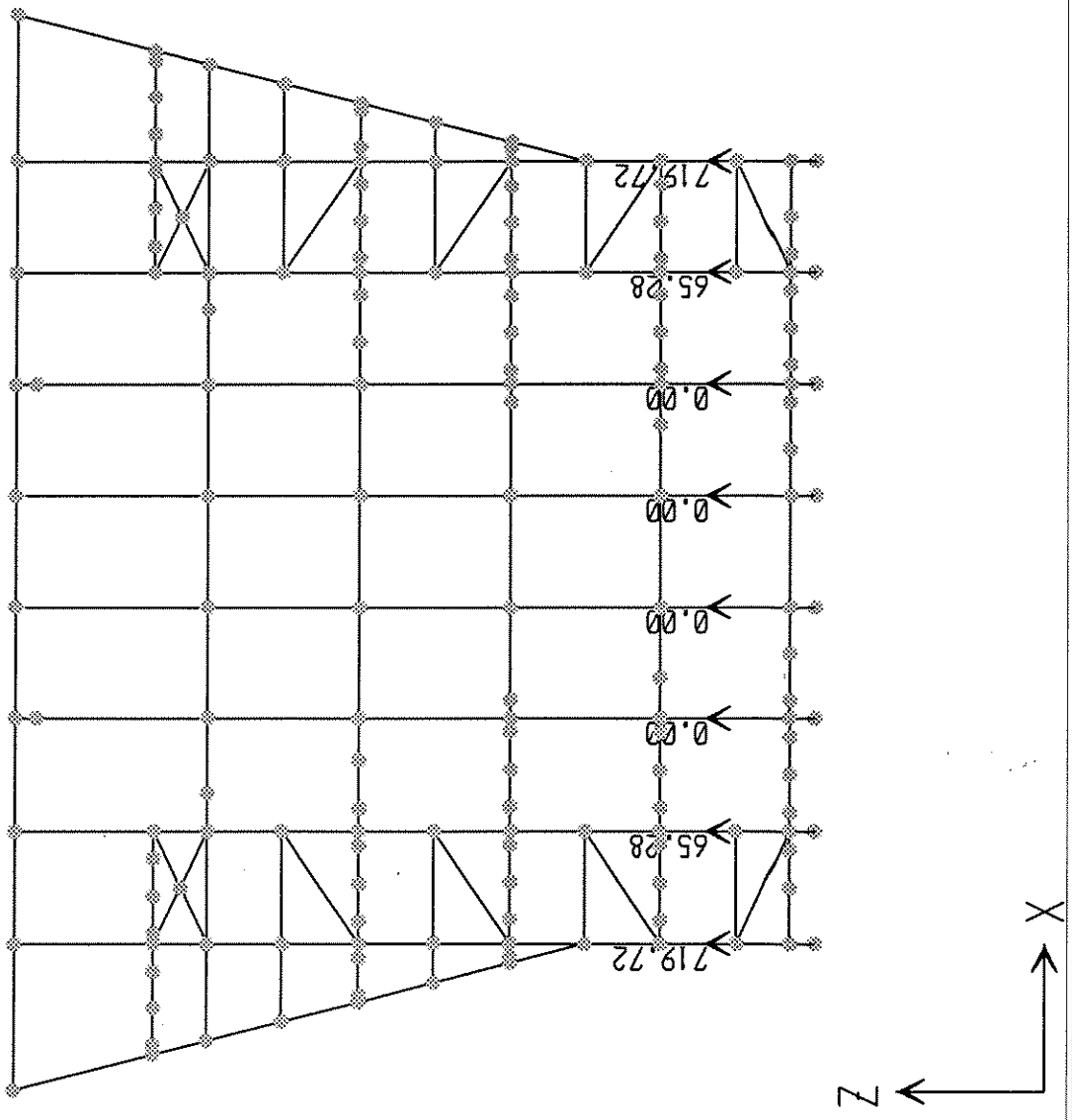
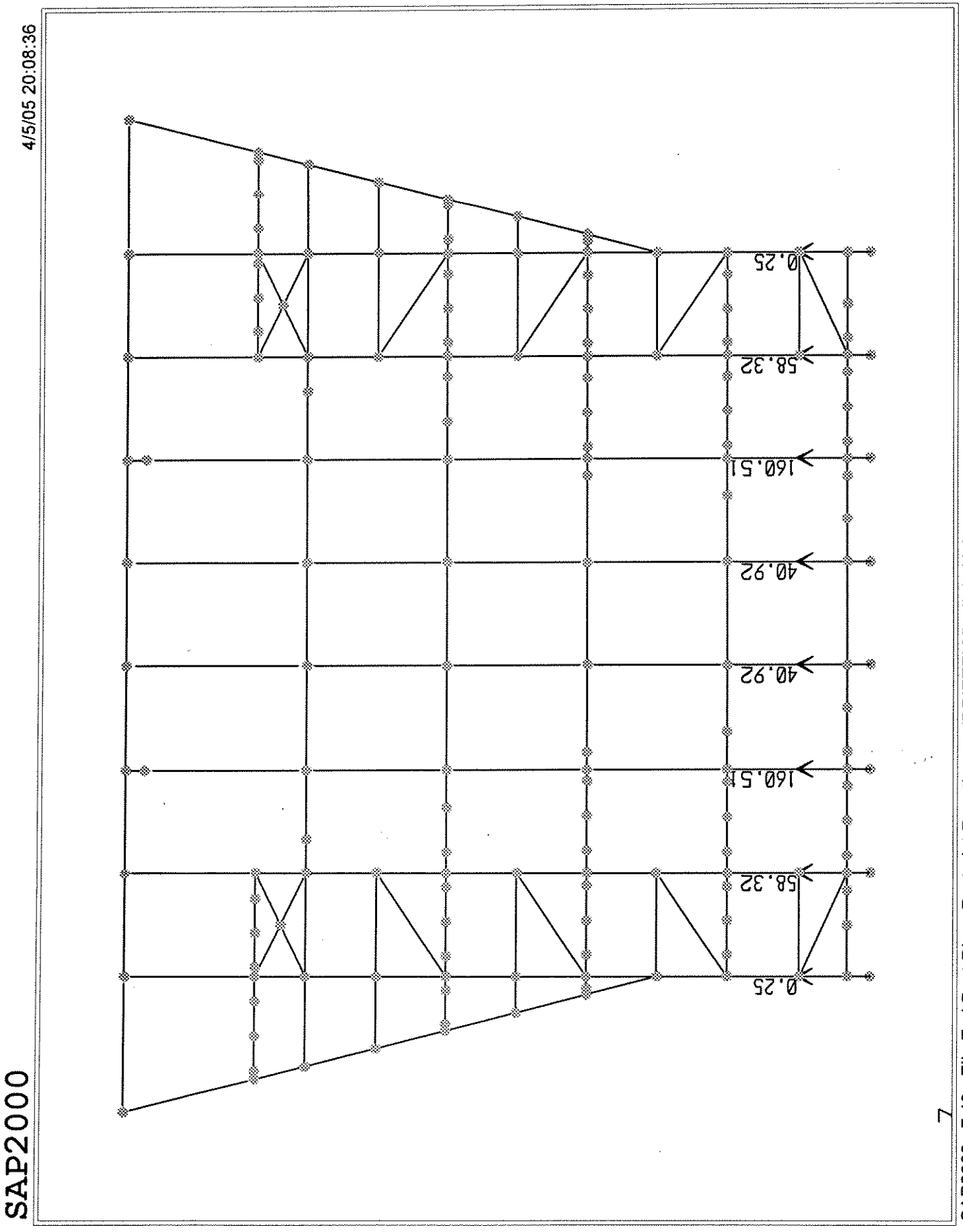
7
SAP2000 v7.40 - File:End Bent DL - Restraint Reactions (PEWALLS) - lb-in Units

4/5/05 20:09:06

SAP2000



SAP2000 v7.40 - File:End Bent DL - Restraint Reactions (LOUVERWL) - lb-in Units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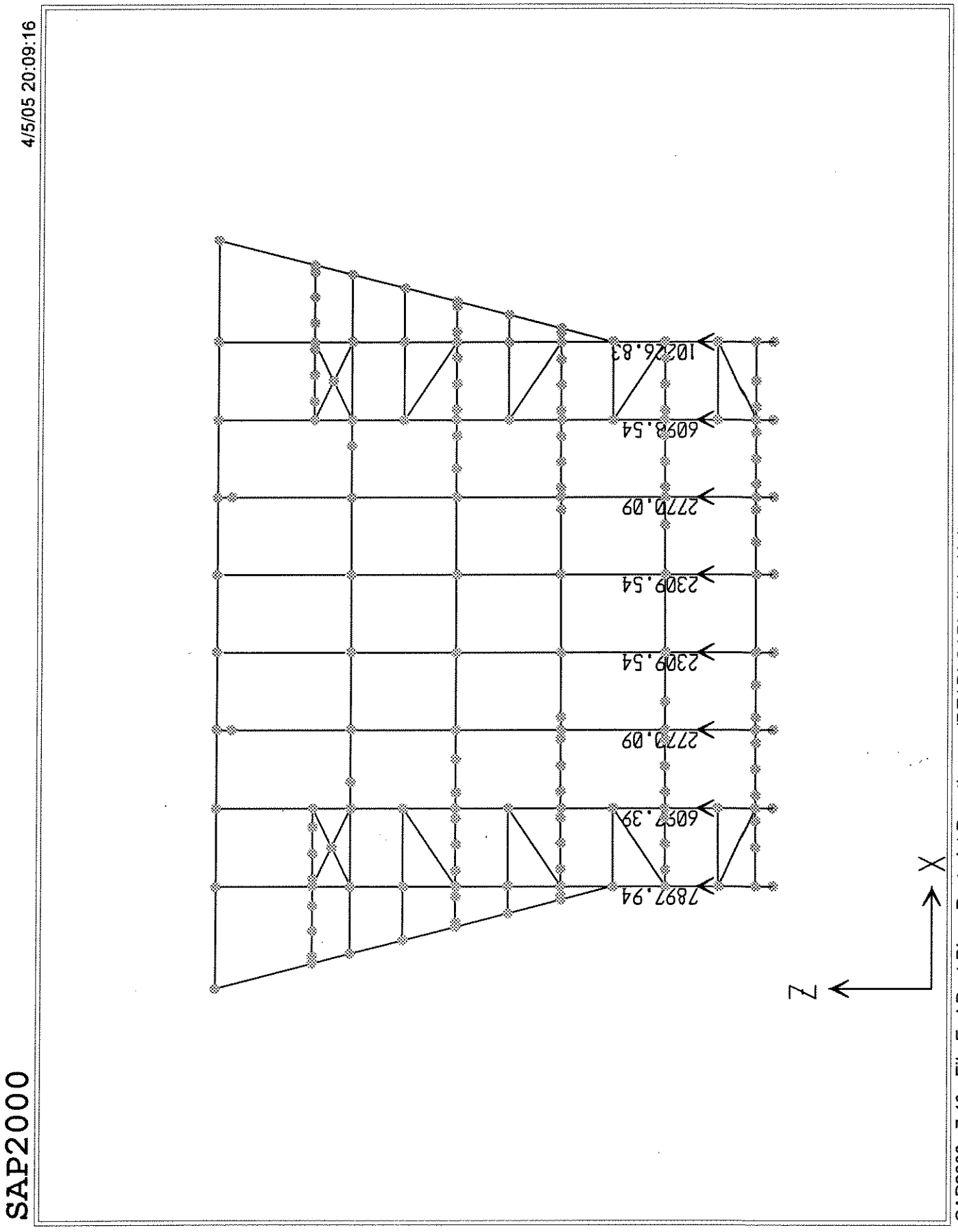
58.32
160.51
40.92
40.92
160.51
58.32
0.25
7
SAP2000 v7.40 - File:End Bent DL - Restraint Reactions (DRIFTELM) - lb-in Units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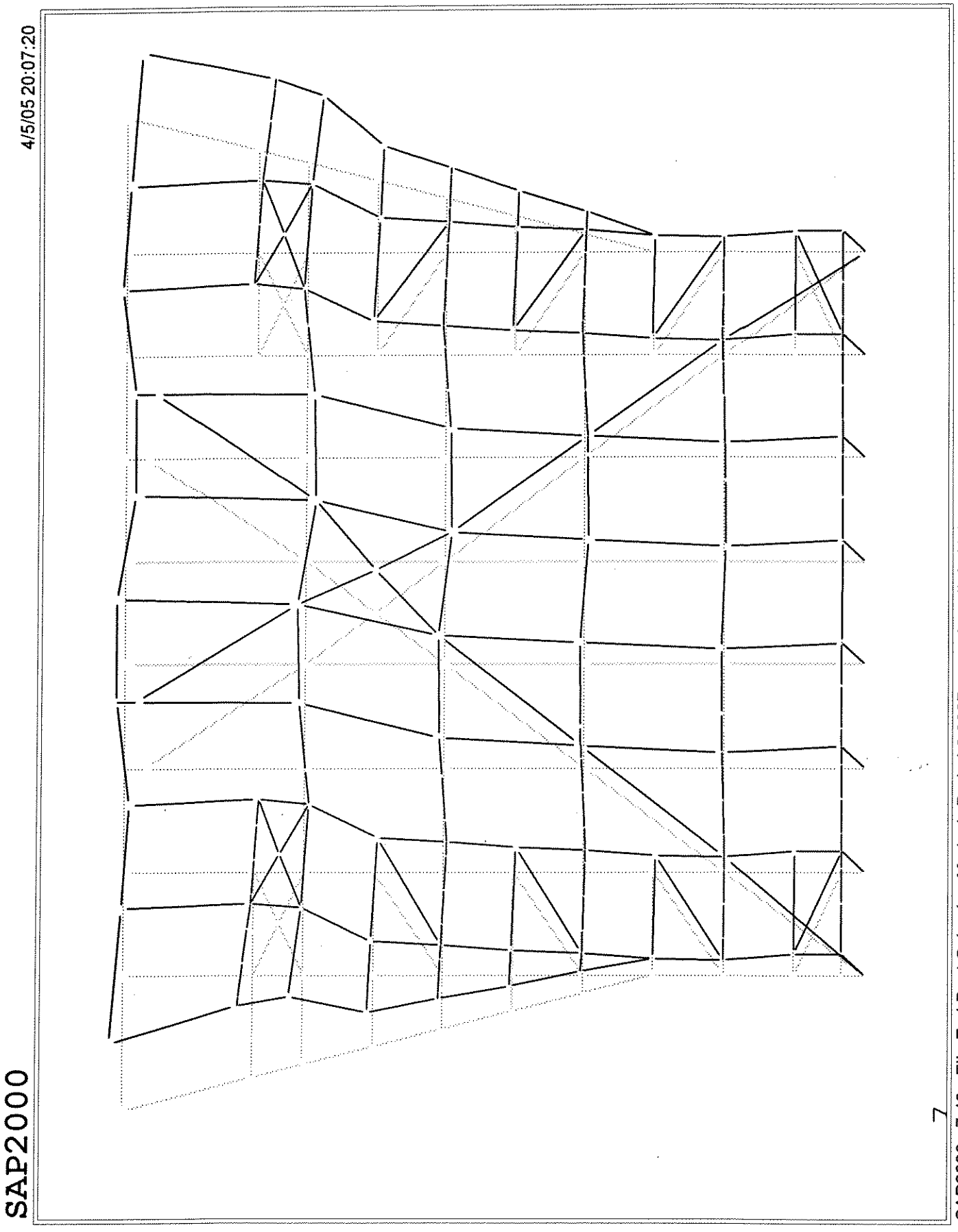
4/5/05 20:09:16
7897.94
6052.39
2772.09
2309.54
2309.54
2770.09
6098.54
10226.83
Z
X
SAP2000 v7.40 - File:End Bent DL - Restraint Reactions (DEADLOAD) - lb-in Units


4/5/05 20:07:20
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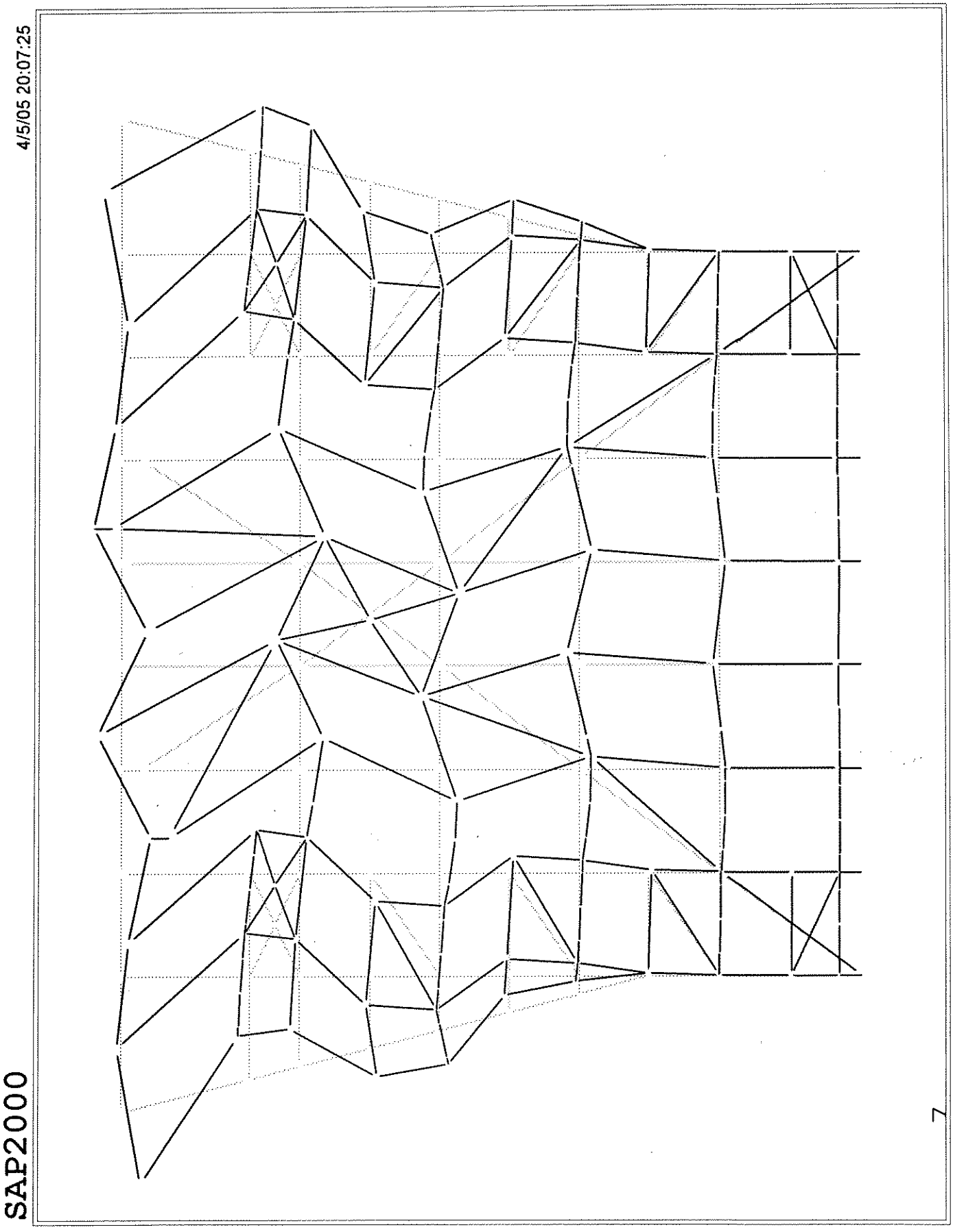
SAP2000 v7.40 - File:End Bent Seismic - Mode 1 Period 0.3967 seconds - lb-in Units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4/5/05 20:07:25
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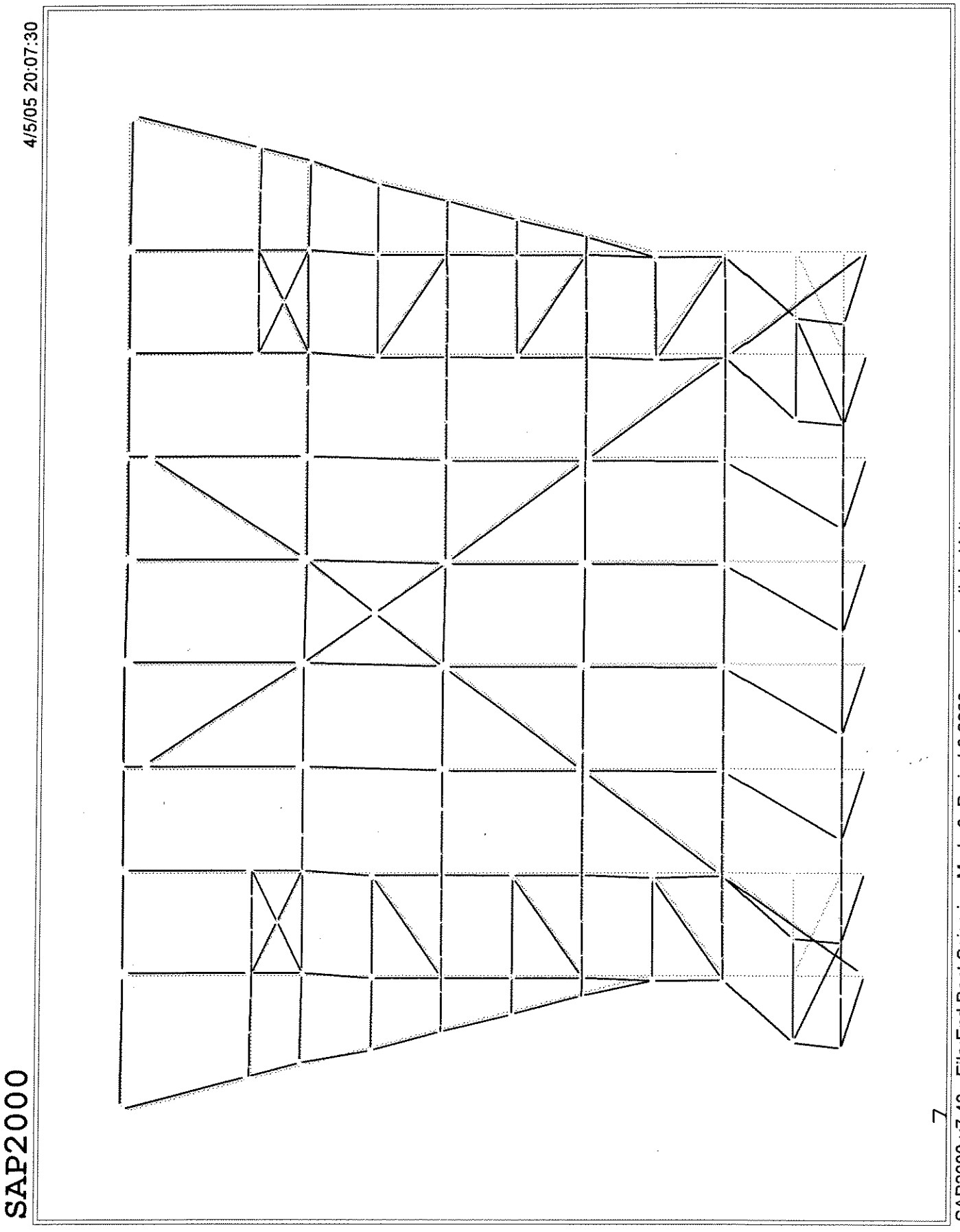
SAP2000 v7.40 - File:End Bent Seismic - Mode 2 Period 0.2444 seconds - lb-in Units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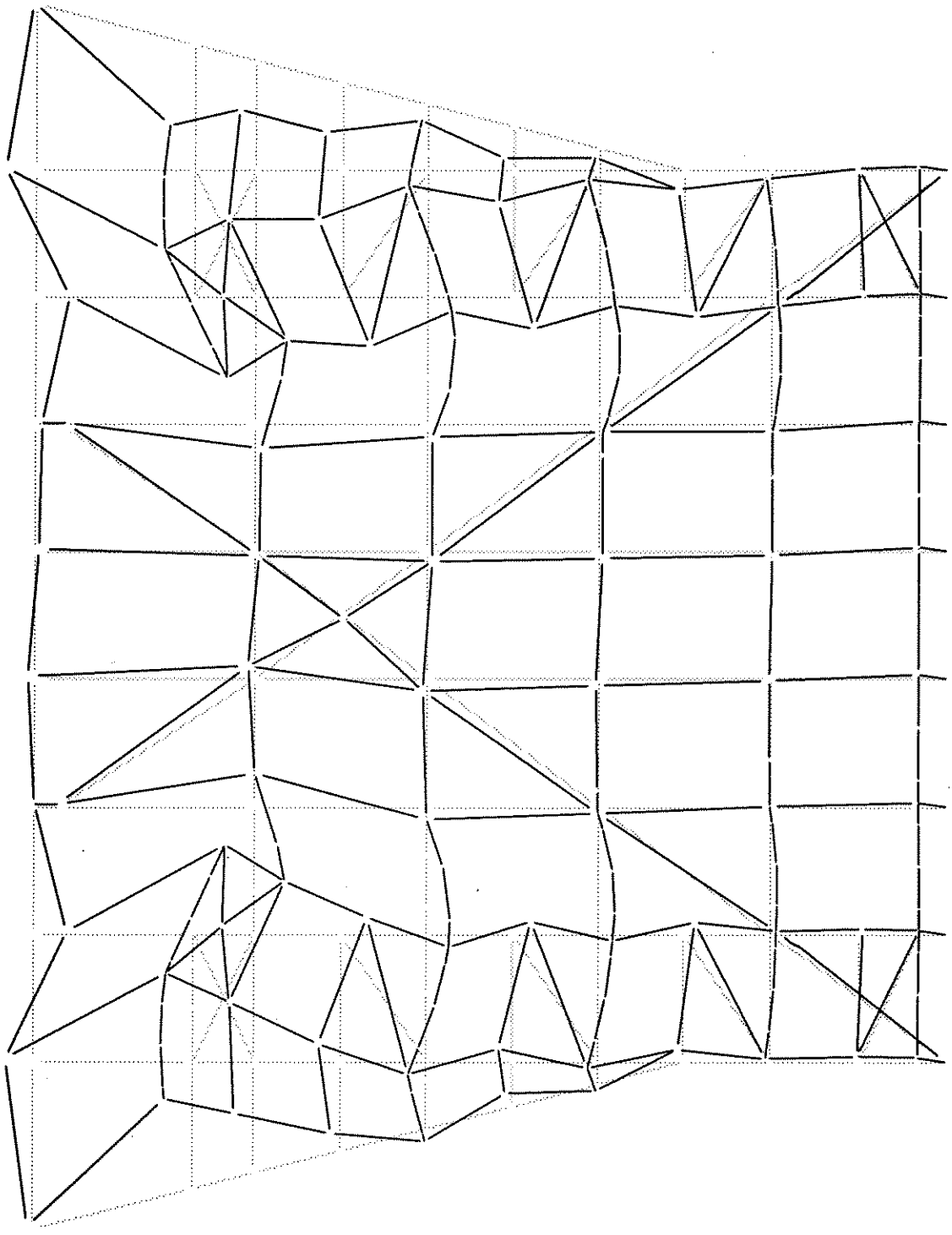
7
SAP2000 v7.40 - File:End Bent Seismic - Mode 3 Period 0.2280 seconds - lb-in Units

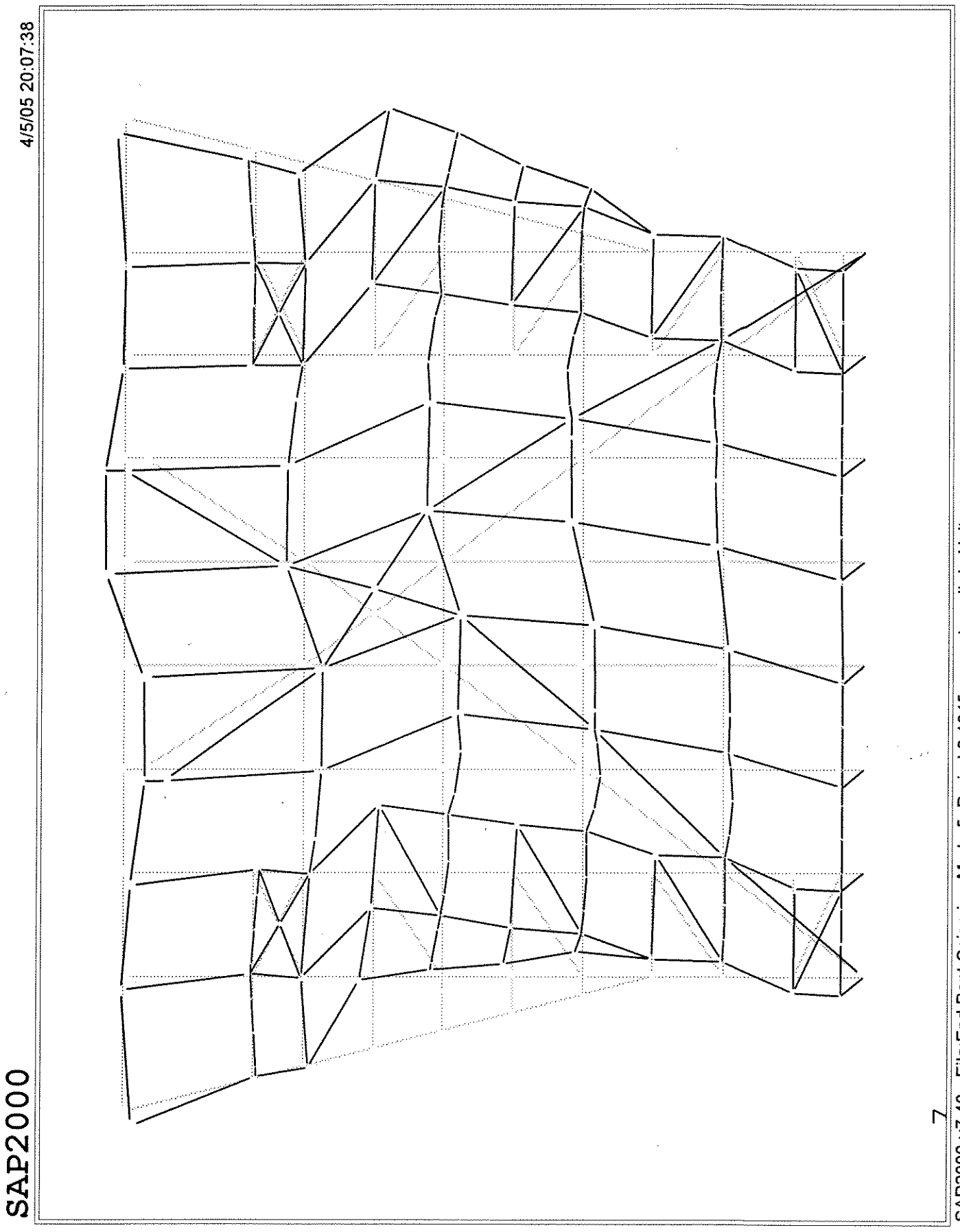
4/5/05 20:07:34

SAP2000



7

SAP2000 v7.40 - File:End Bent Seismic - Mode 4 Period 0.1732 seconds - lb-in Units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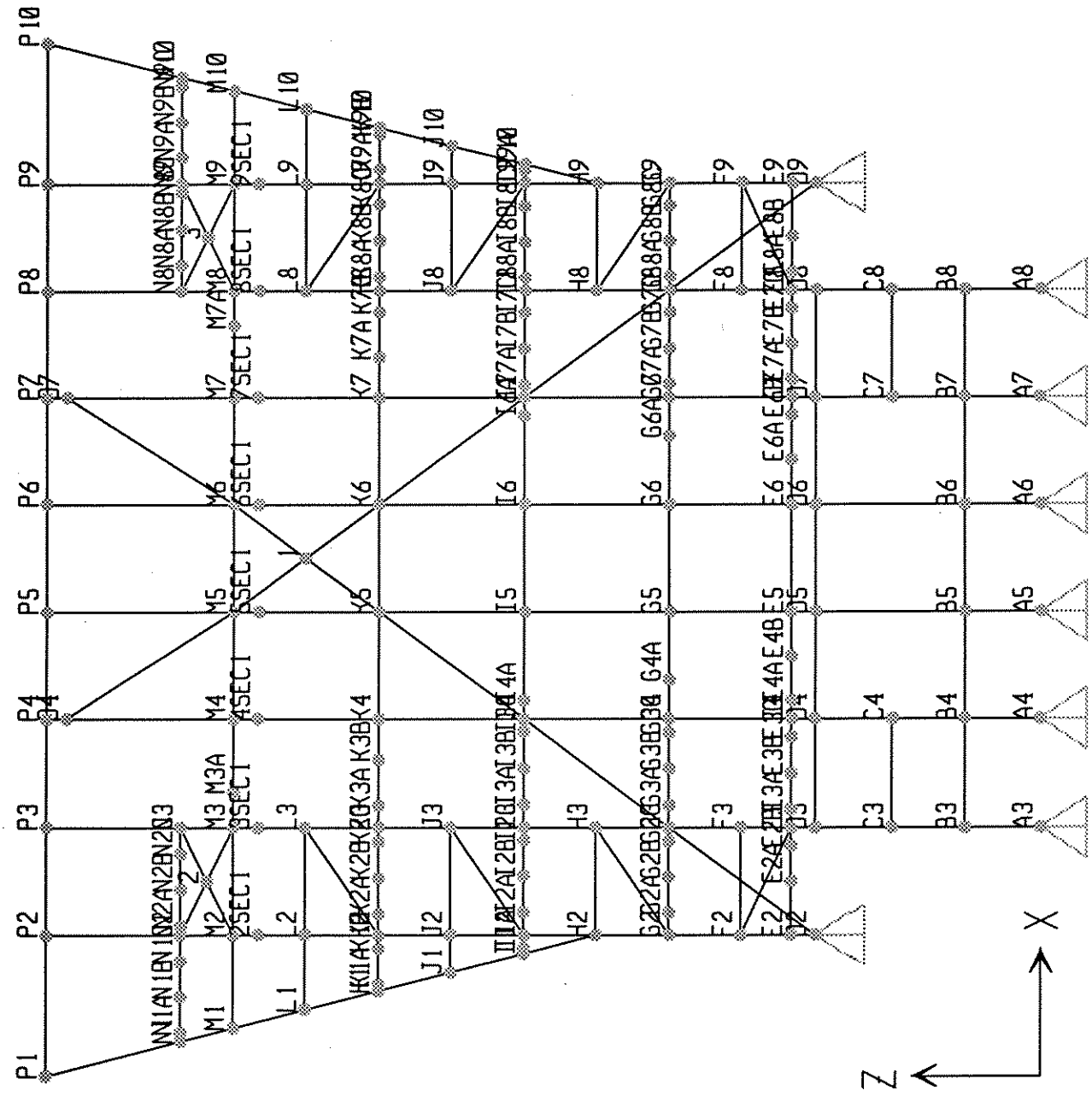
SAP2000 v7.40 - File:End Bent Seismic - Mode 5 Period 0.1645 seconds - lb-in Units

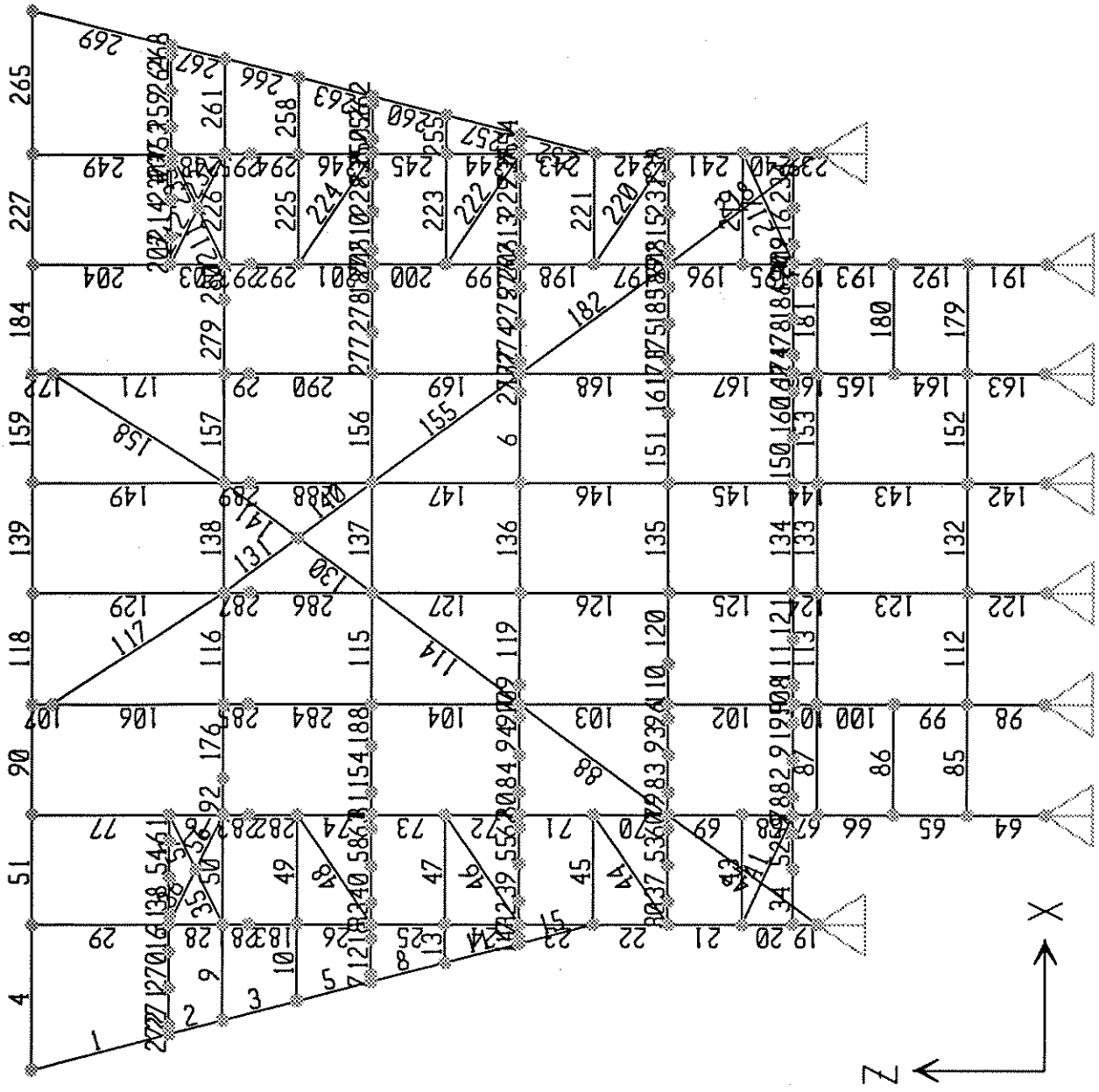
3/22/05 16:34:05

SAP2000



SAP2000 v7.40 - File:Main Bent Seismic - X-Z Plane @ Y=120 - lb-in Units

3/22/05 16:34:12



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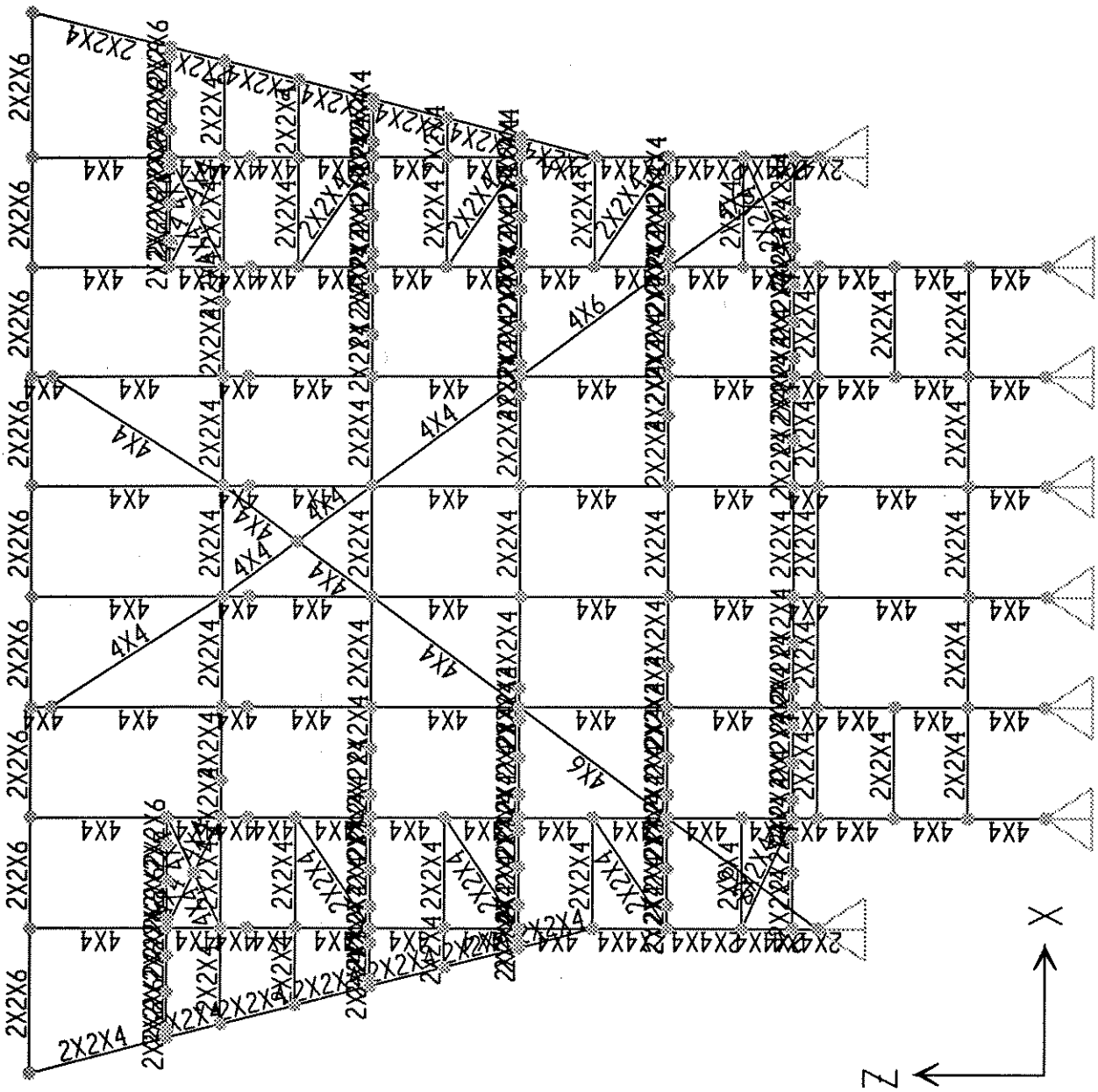
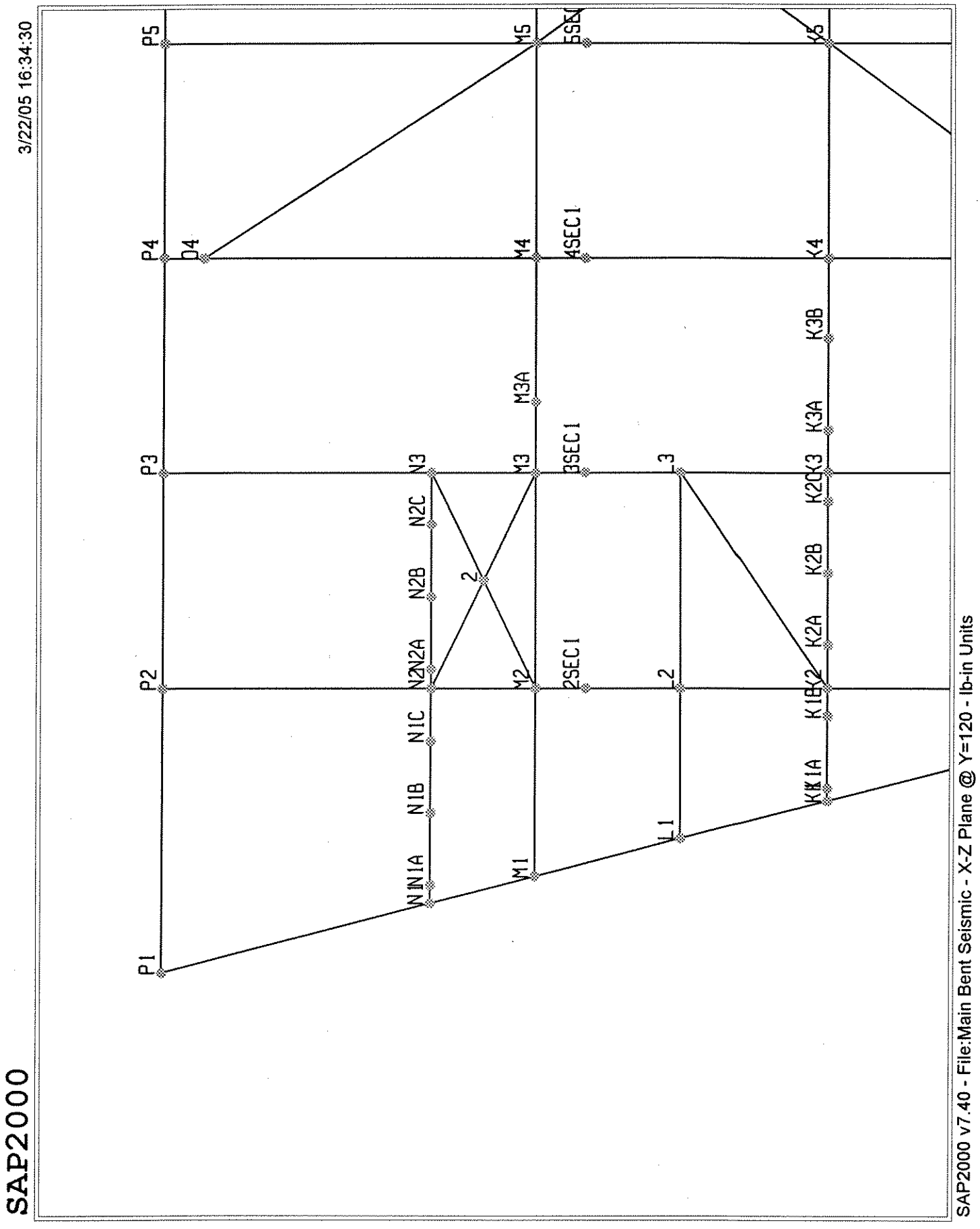
SAP2000 v7.40 - File:Main Bent Seismic - X-Z Plane @ Y=120 - lb-in Units

3/22/05 16:34:18

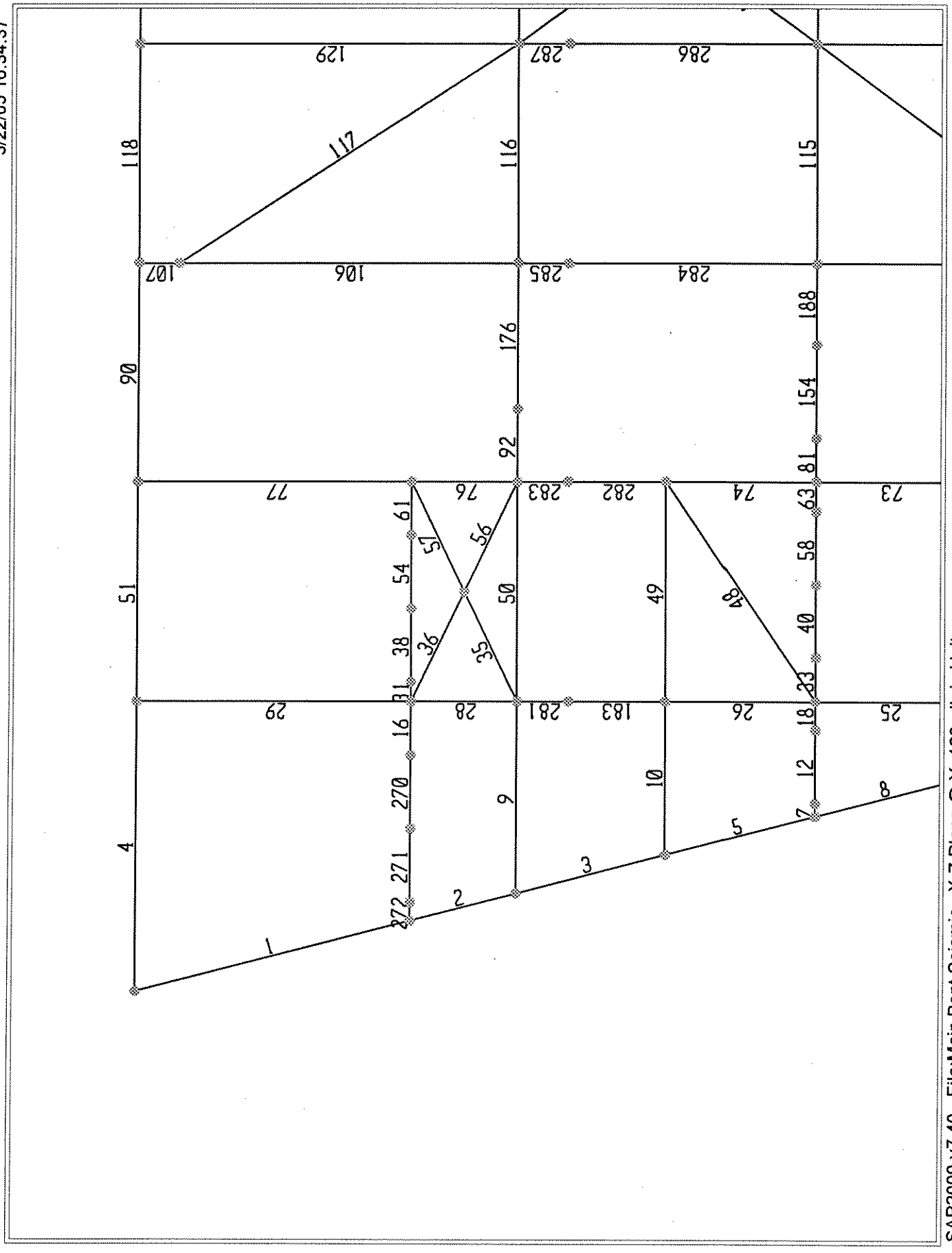
SAP2000



SAP2000 v7.40 - File:Main Bent Seismic - X-Z Plane @ Y=120 - lb-in Units

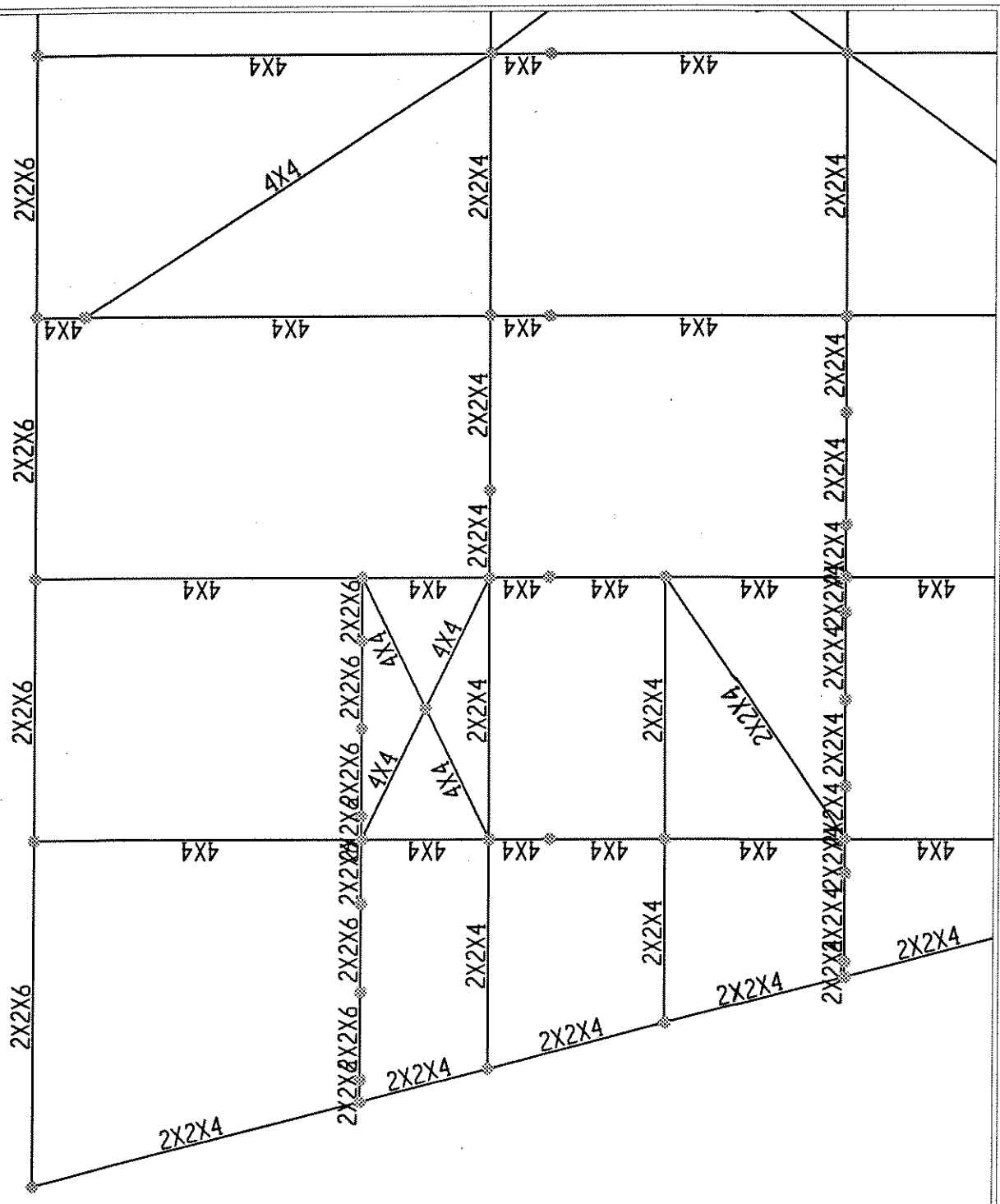

SAP2000
3/22/05 16:34:30
P1
P2
P3
P4
P5
N1A
N1B
N1C
N2A
N2B
N2C
N3
M1
M2
M3
M3A
M4
M5
L1
L2
L3
K1A
K1B
K2
K2A
K2B
K2C
K3
K3A
K3B
K4
K5
1SEC1
2SEC1
3SEC1
4SEC1
5SEC
SAP2000 v7.40 - File:Main Bent Seismic - X-Z Plane @ Y=120 - lb-in Units

3/22/05 16:34:37



SAP2000 v7.40 - File:Main Bent Seismic - X-Z Plane @ Y=120 - lb-in Units

3/22/05 16:34:44

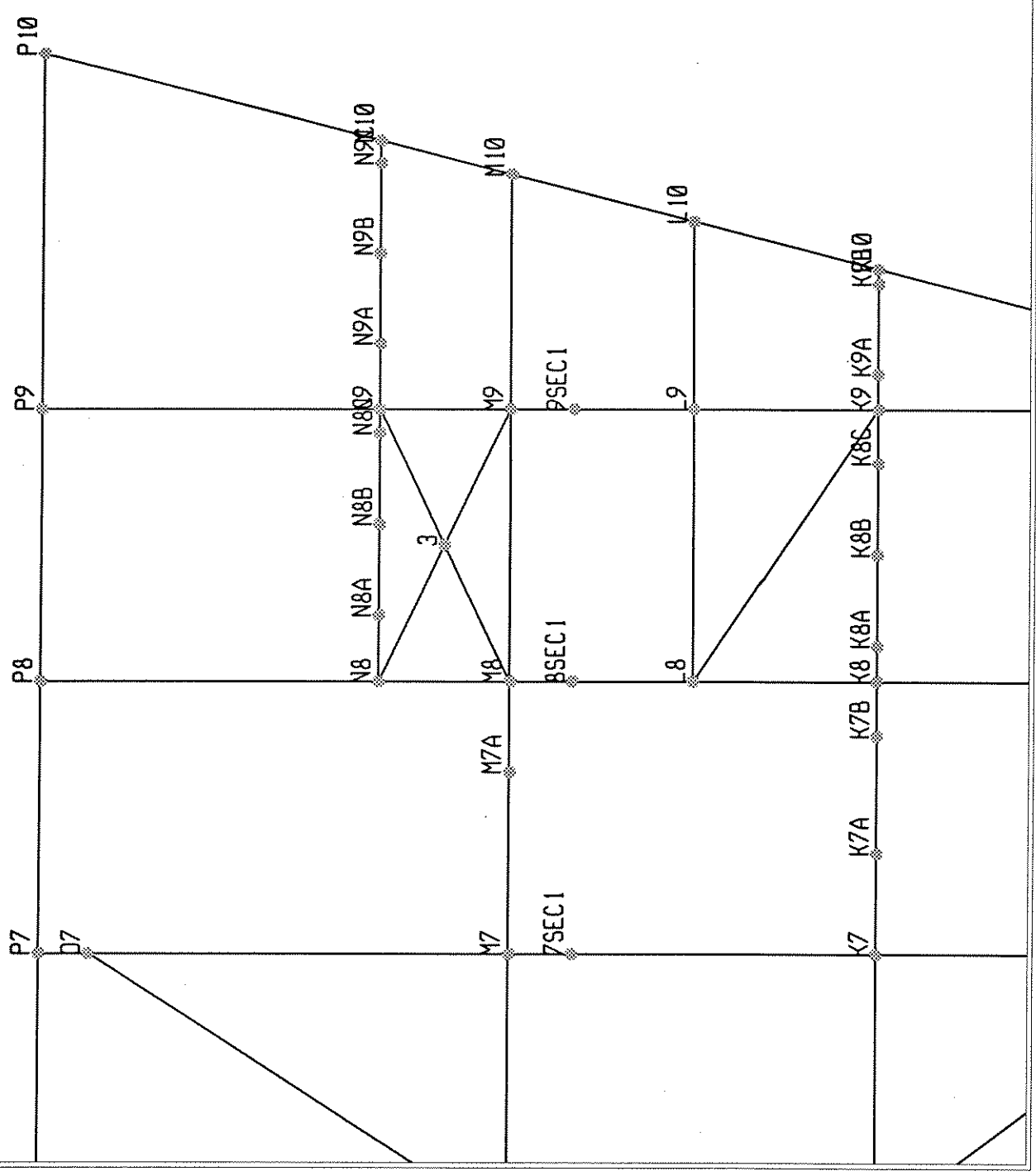


SAP2000

SAP2000 v7.40 - File:Main Bent Seismic - X-Z Plane @ Y=120 - lb-in Units

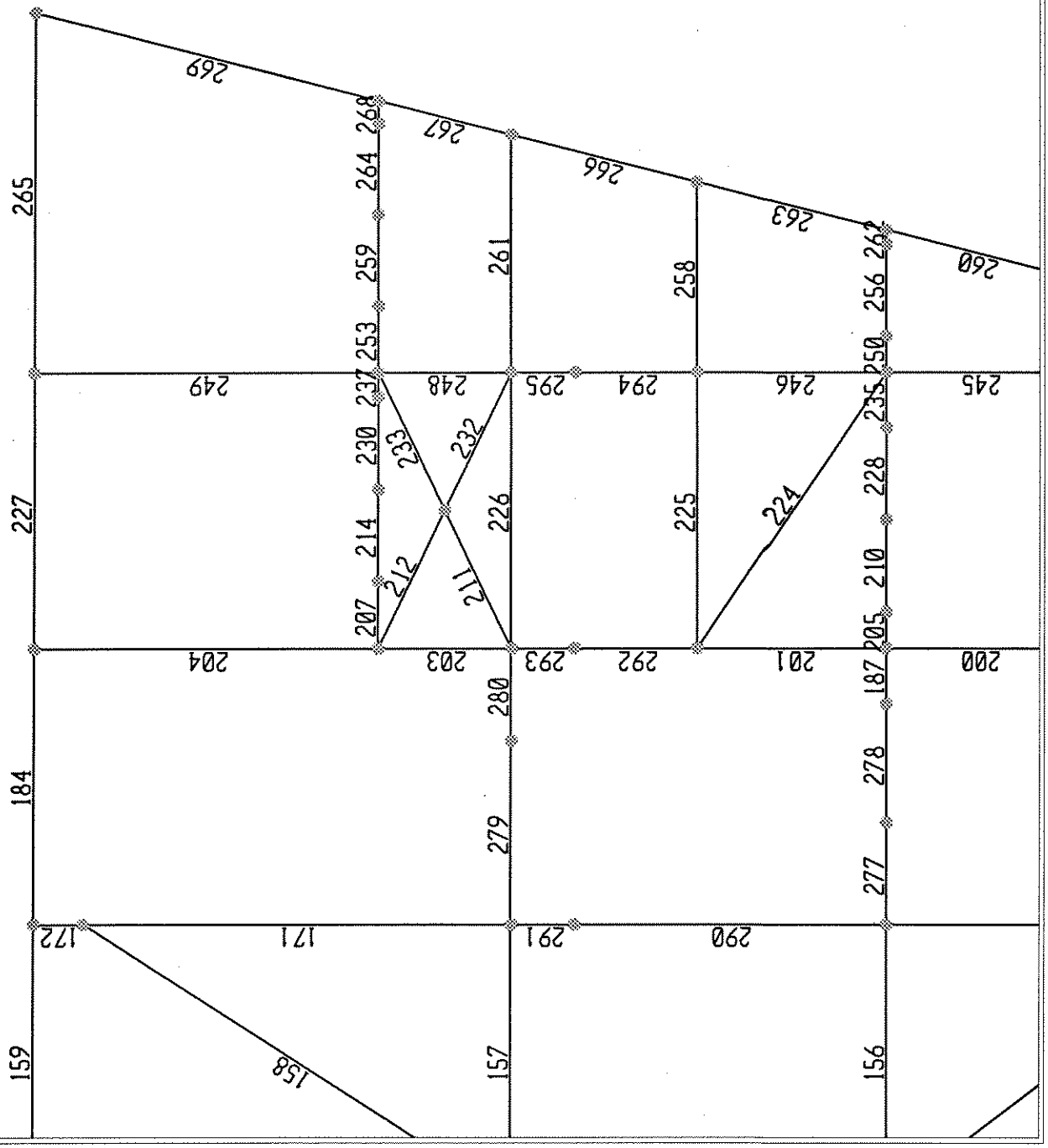
3/22/05 16:35:37

SAP2000



SAP2000 v7.40 - File:Main Bent Seismic - X-Z Plane @ Y=120 - lb-in Units

3/22/05 16:35:42

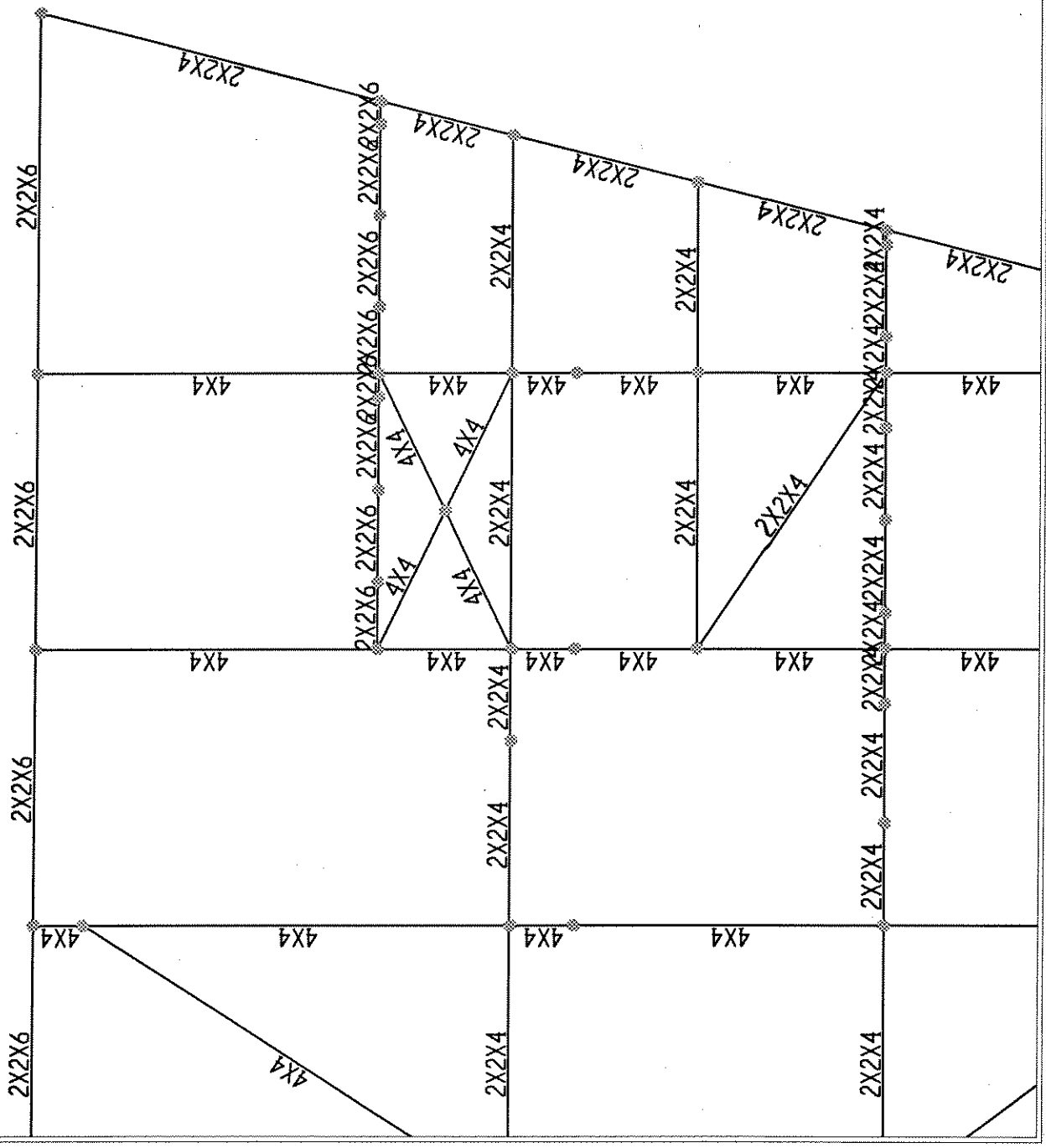


SAP2000

SAP2000 v7.40 - File:Main Bent Seismic - X-Z Plane @ Y=120 - lb-in Units

3/22/05 16:35:48

SAP2000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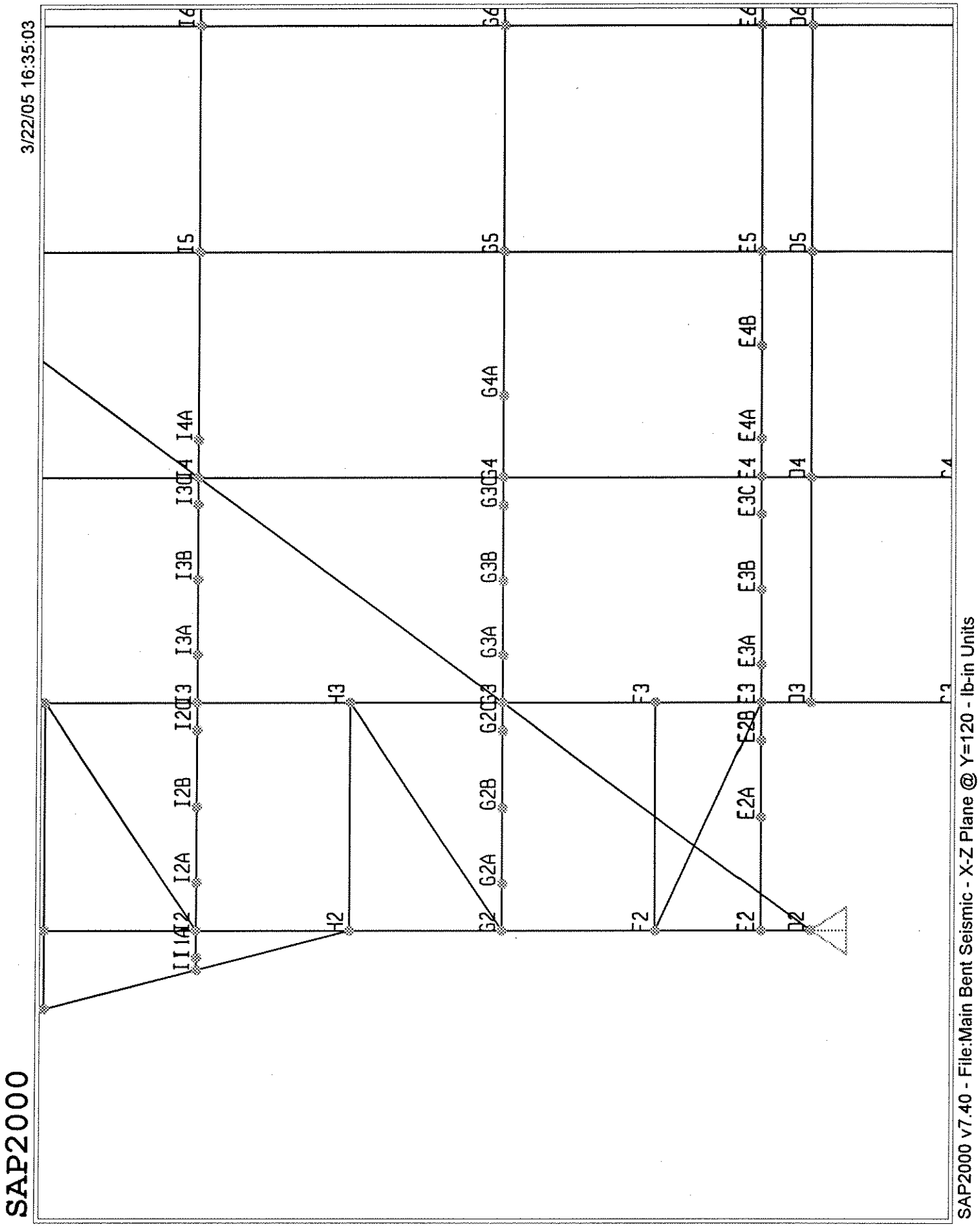
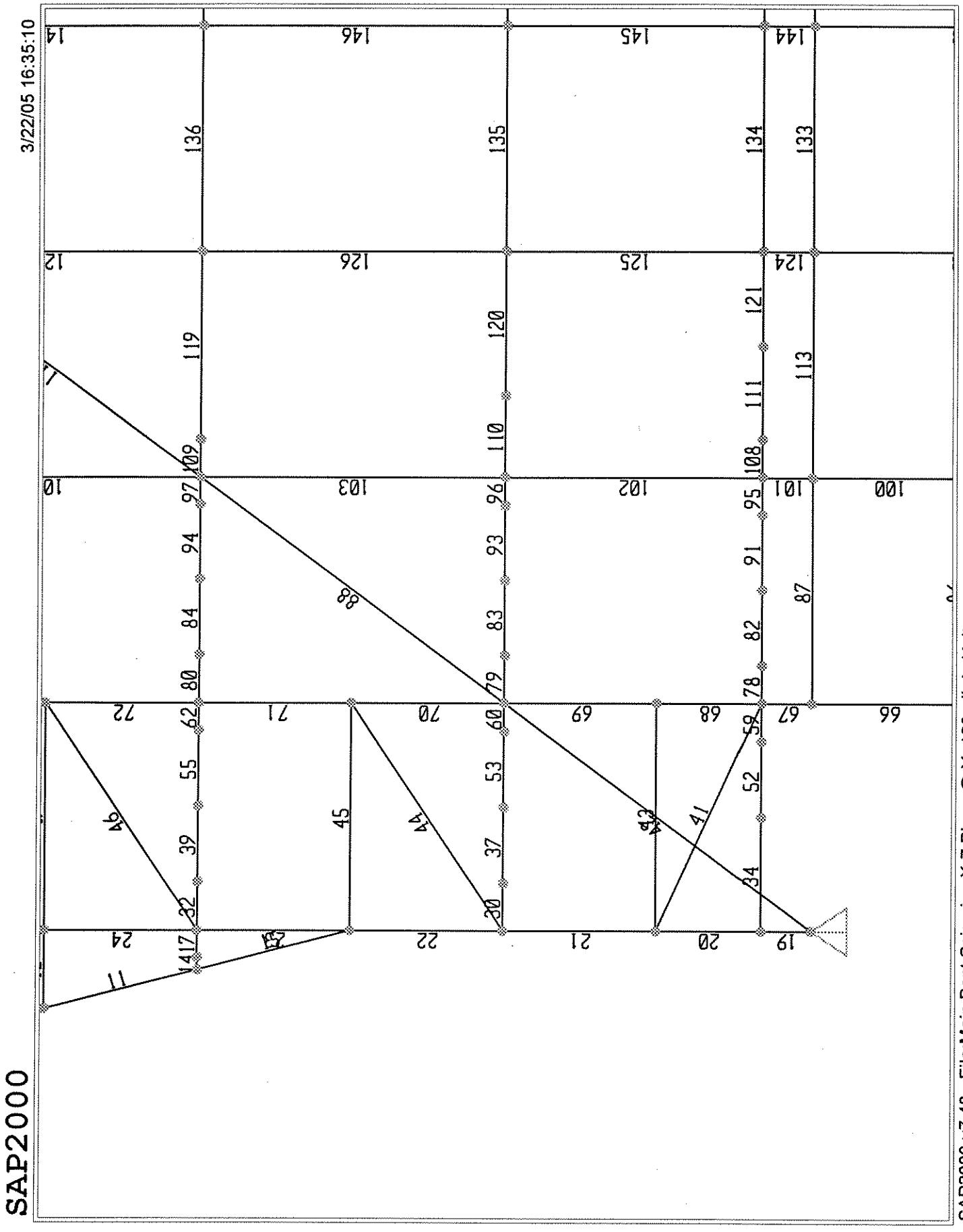
4X4
2X2X6
2X2X4
4X4
2X2X6
2X2X4
4X4


SAP2000
3/22/05 16:35:03
I6
G6
E6
D6
I5
G5
E5
D5
I4A
G4A
E4B
E4A
I4
G4
E4
D4
I3C
G3C
E3C
I3B
G3B
E3B
I3A
G3A
E3A
I3
G3
E3
D3
H3
F3
I2C
G2C
E2B
I2B
G2B
E2A
I2A
G2A
I2
G2
E2
D2
H2
F2
SAP2000 v7.40 - File:Main Bent Seismic - X-Z Plane @ Y=120 - lb-in Units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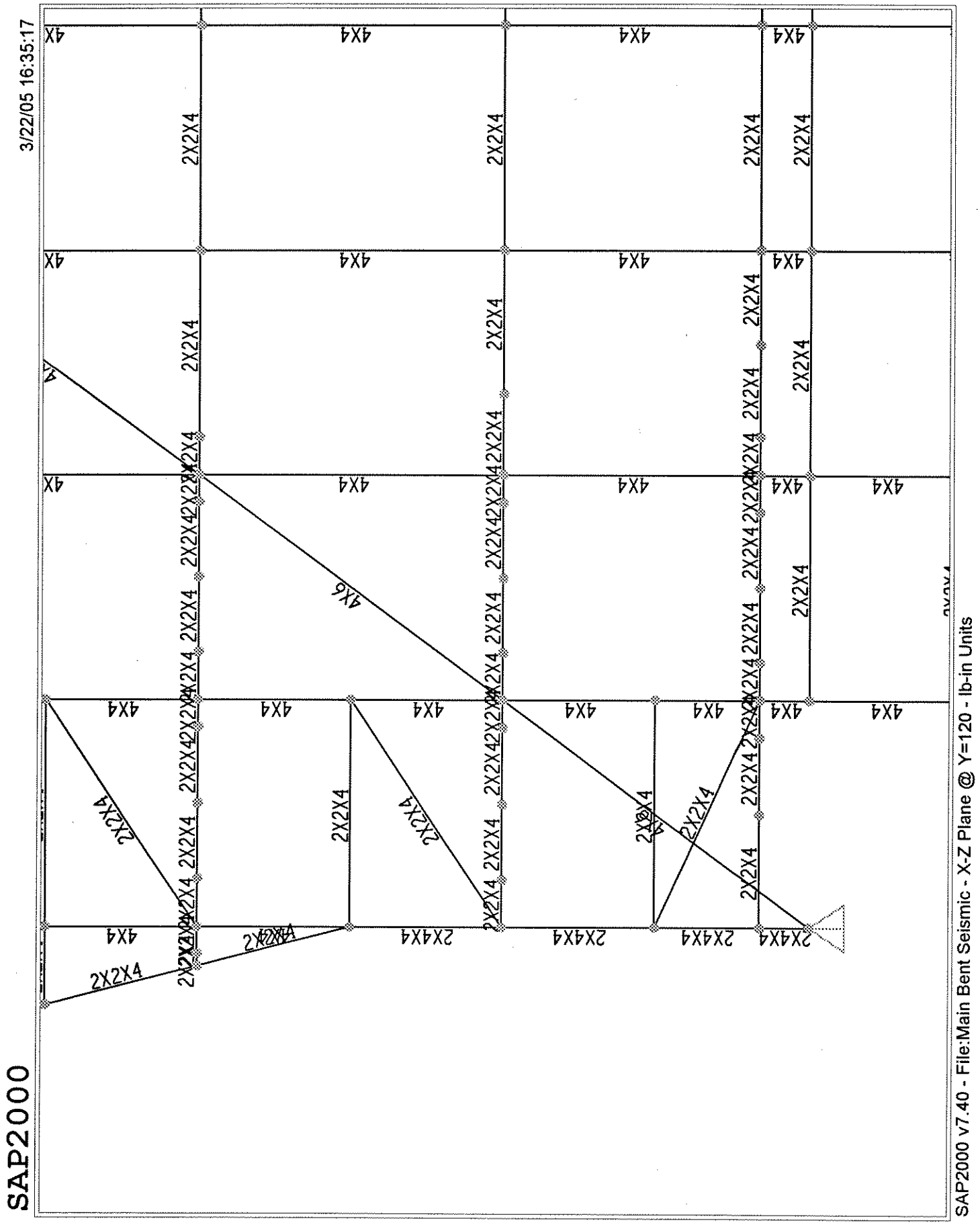
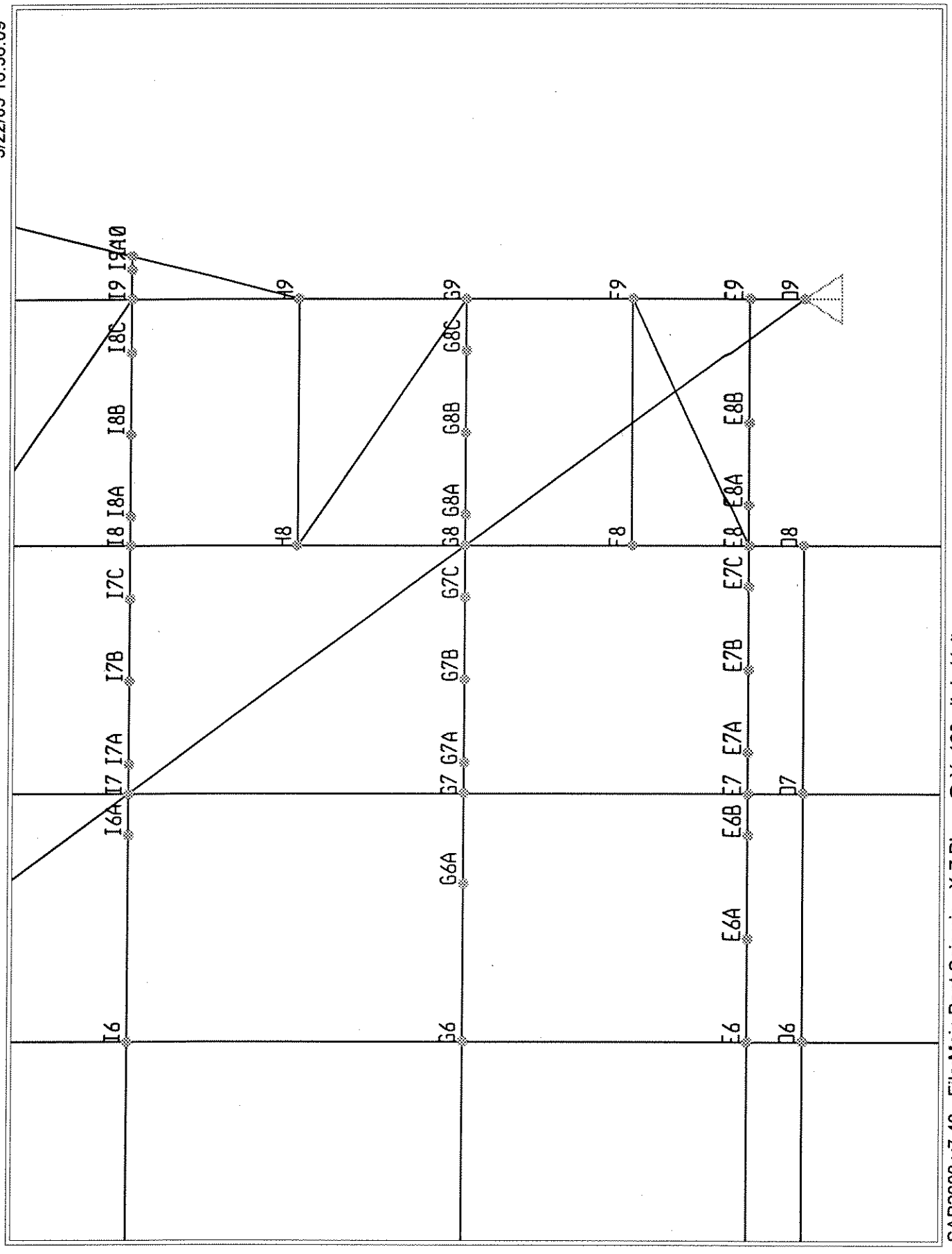
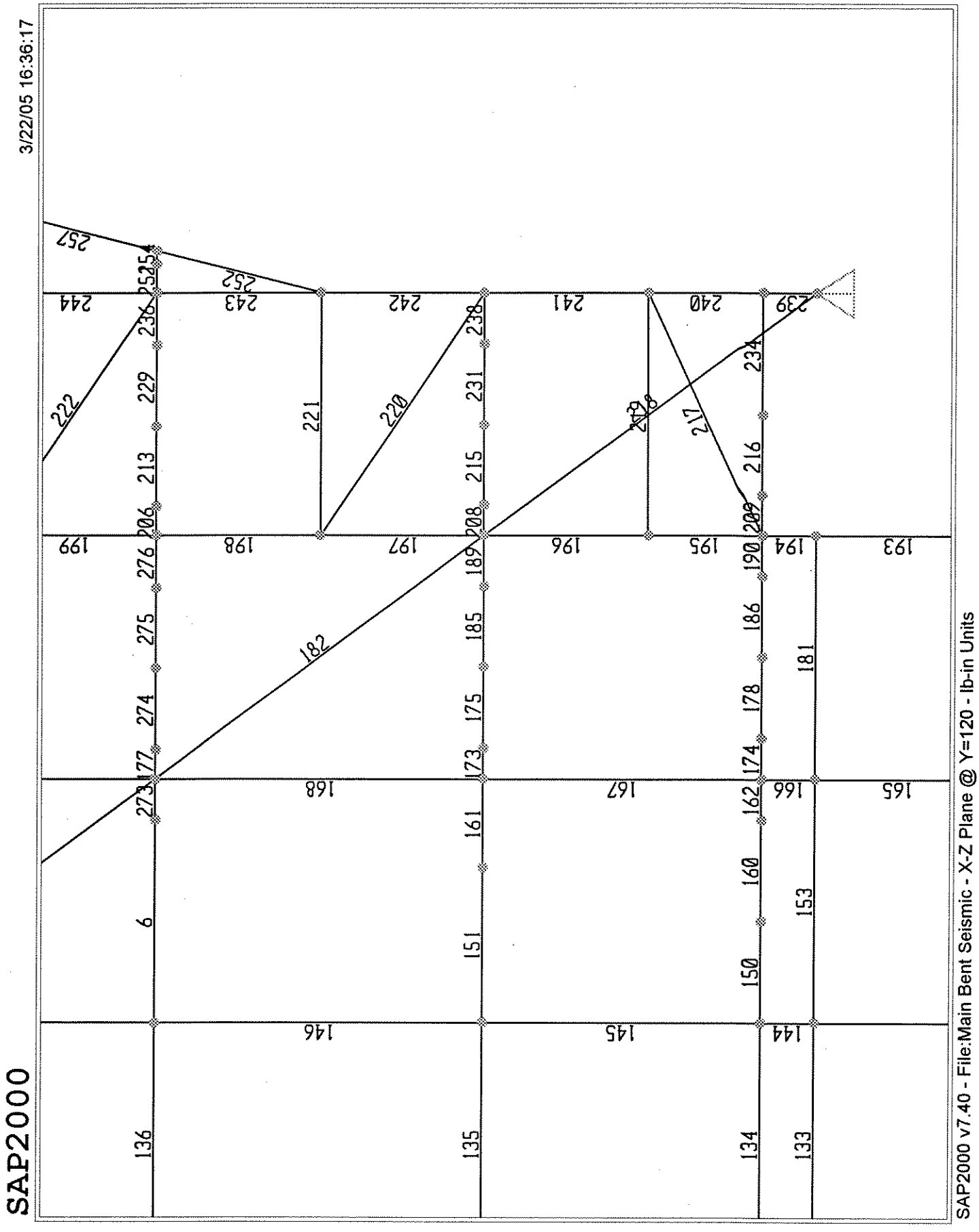
SAP2000
SAP2000 v7.40 - File:Main Bent Seismic - X-Z Plane @ Y=120 - lb-in Units

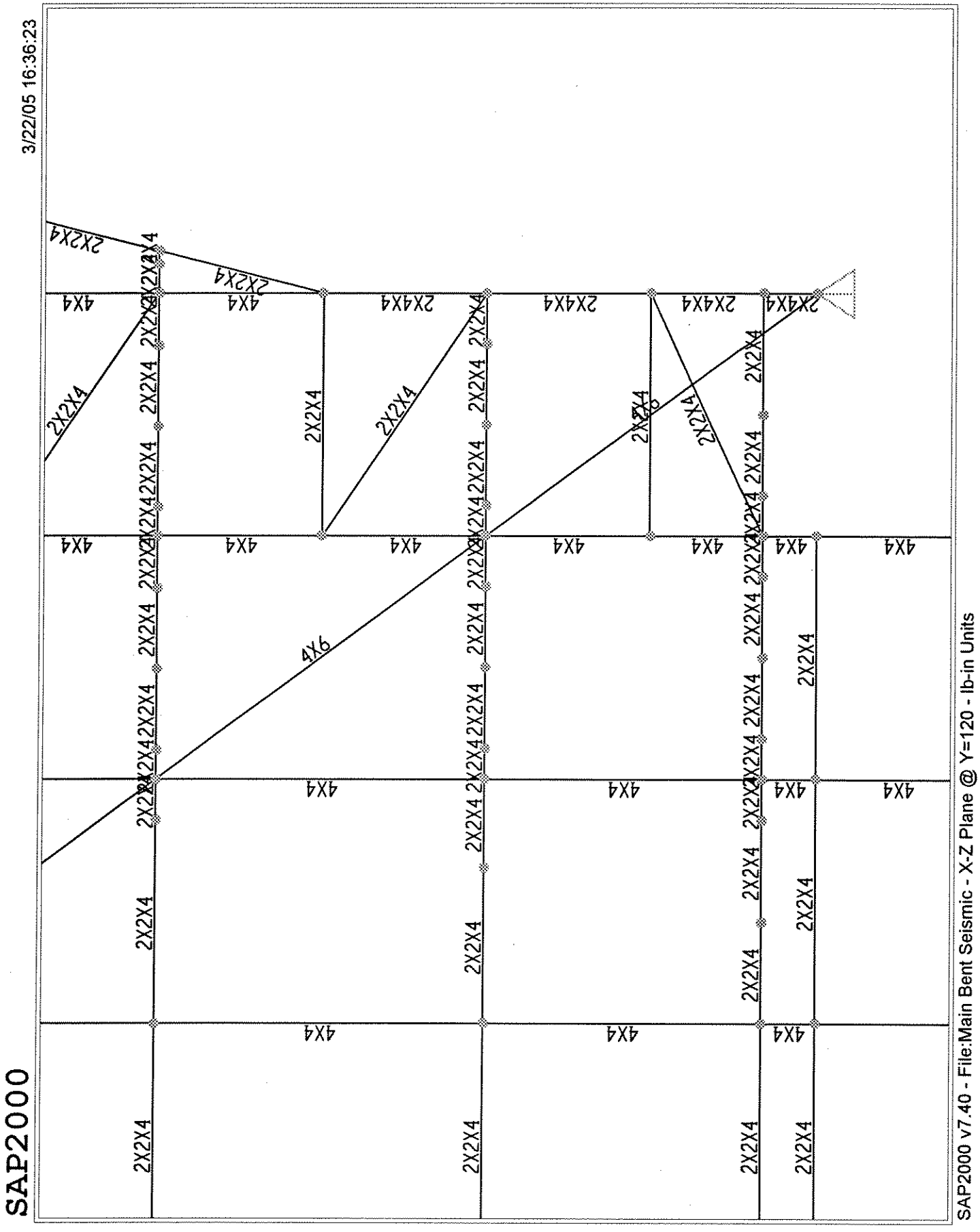

SAP2000
3/22/05 16:35:17
2X2X4
4X4
4X6
2X4X4
4X2X2
SAP2000 v7.40 - File:Main Bent Seismic - X-Z Plane @ Y=120 - lb-in Units

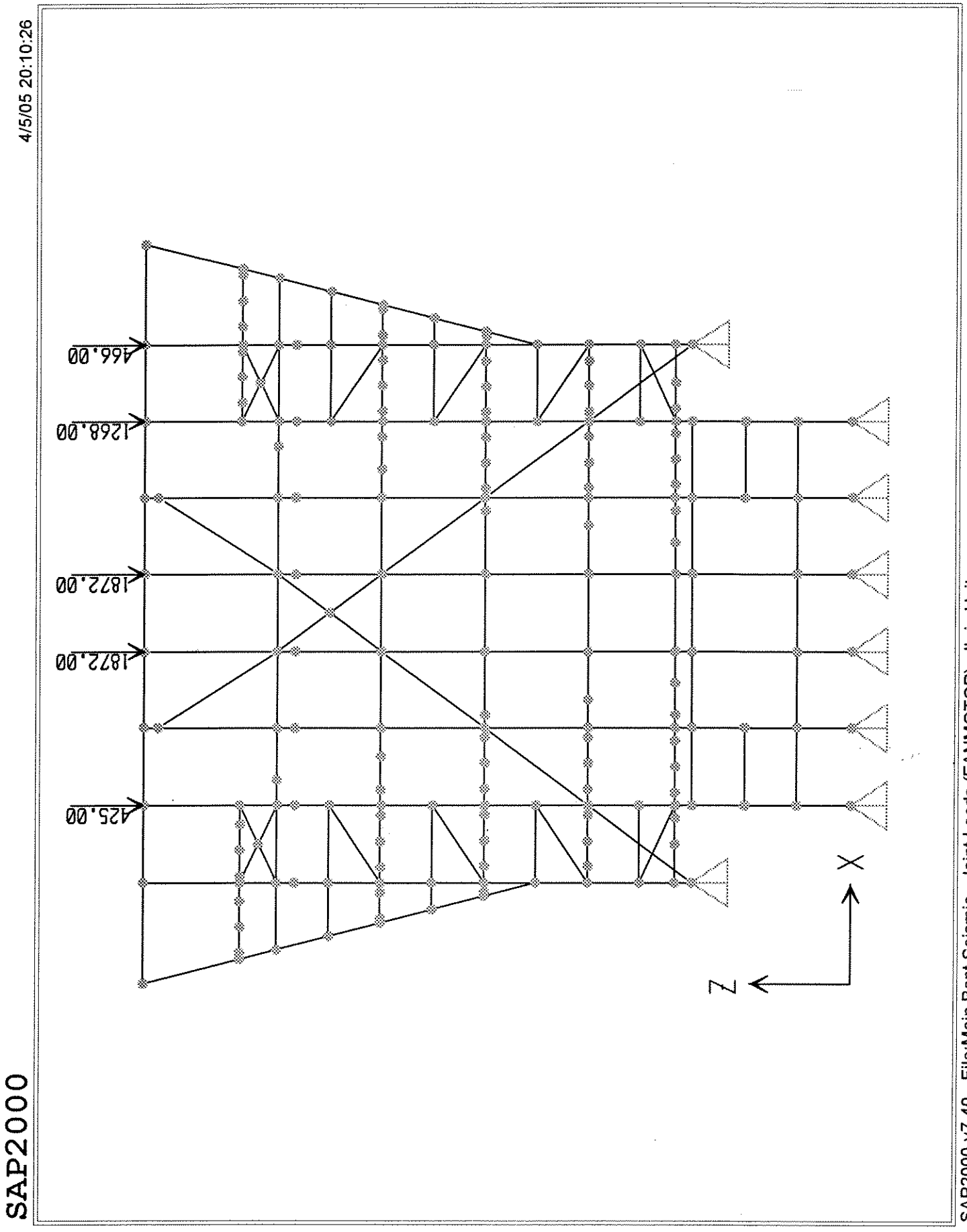
3/22/05 16:36:09



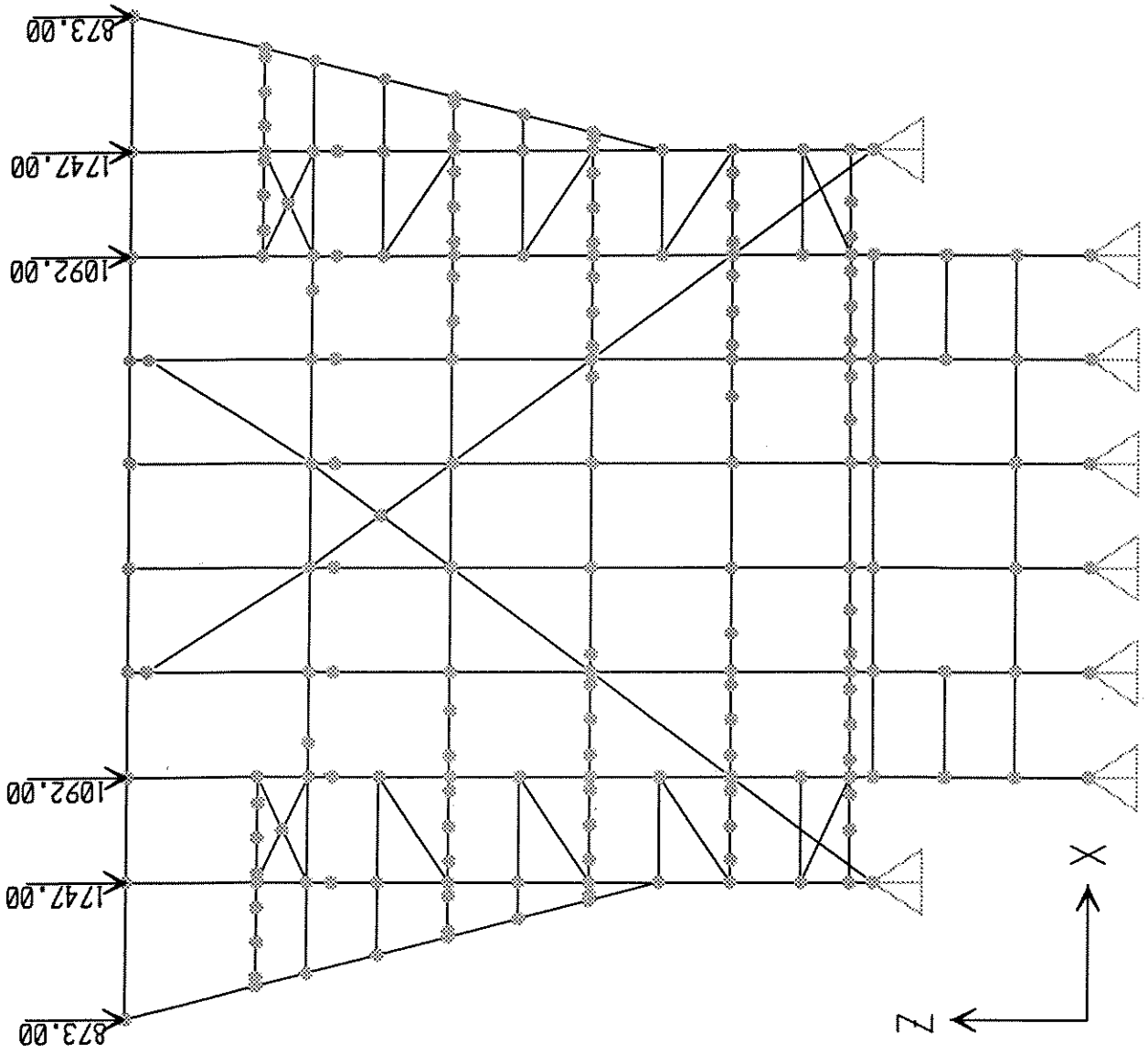
SAP2000 v7.40 - File:Main Bent Seismic - X-Z Plane @ Y=120 - lb-in Units


3/22/05 16:36:17
SAP2000
SAP2000 v7.40 - File:Main Bent Seismic - X-Z Plane @ Y=120 - lb-in Units


SAP2000
3/22/05 16:36:23
2X2X4
4X4
4X6
2X4X4
SAP2000 v7.40 - File:Main Bent Seismic - X-Z Plane @ Y=120 - lb-in Units

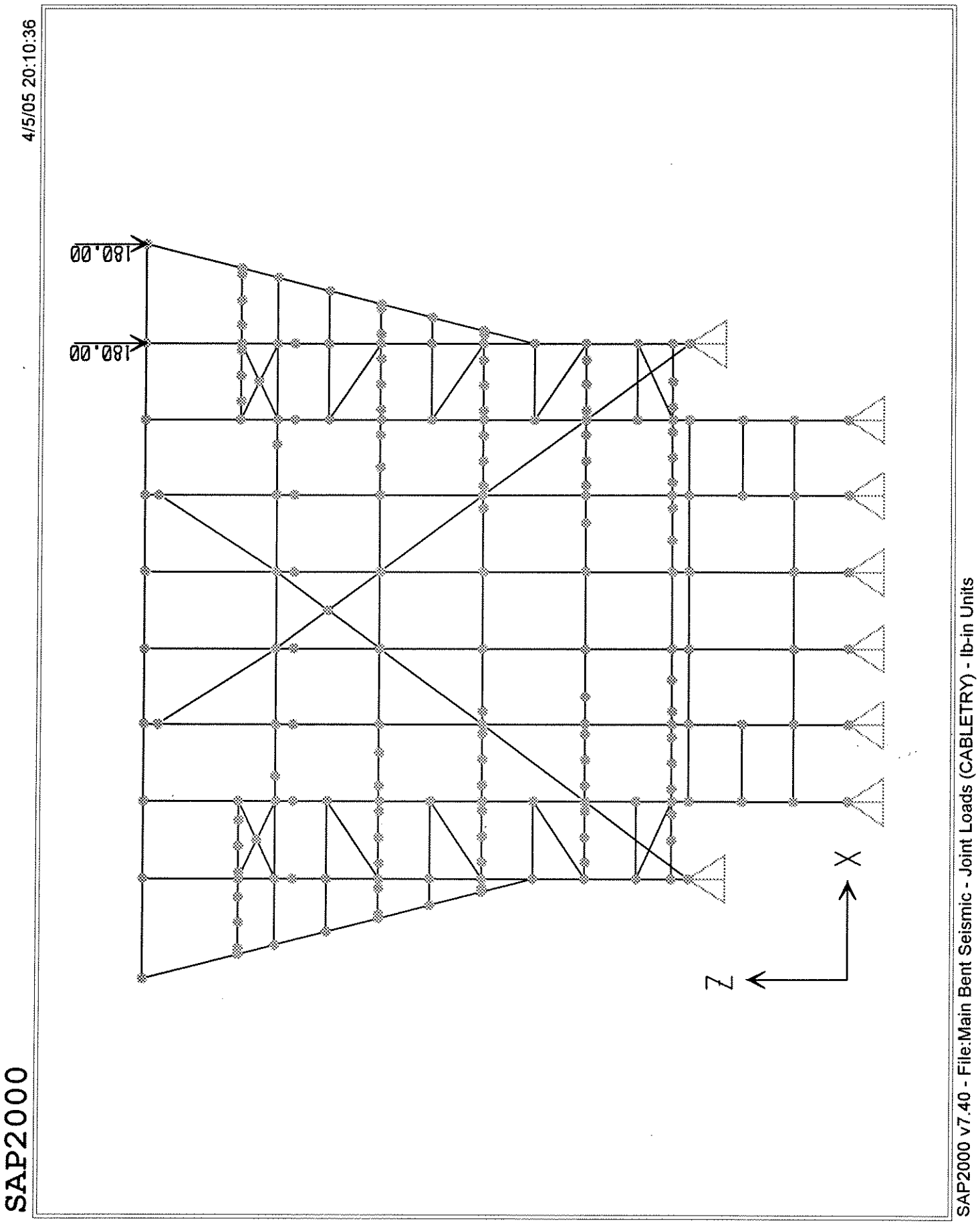

4/5/05 20:10:26
SAP2000
466.00
1268.00
1872.00
1872.00
425.00
X
Z
SAP2000 v7.40 - File:Main Bent Seismic - Joint Loads (FANMOTOR) - lb-in Units

4/5/05 20:10:01



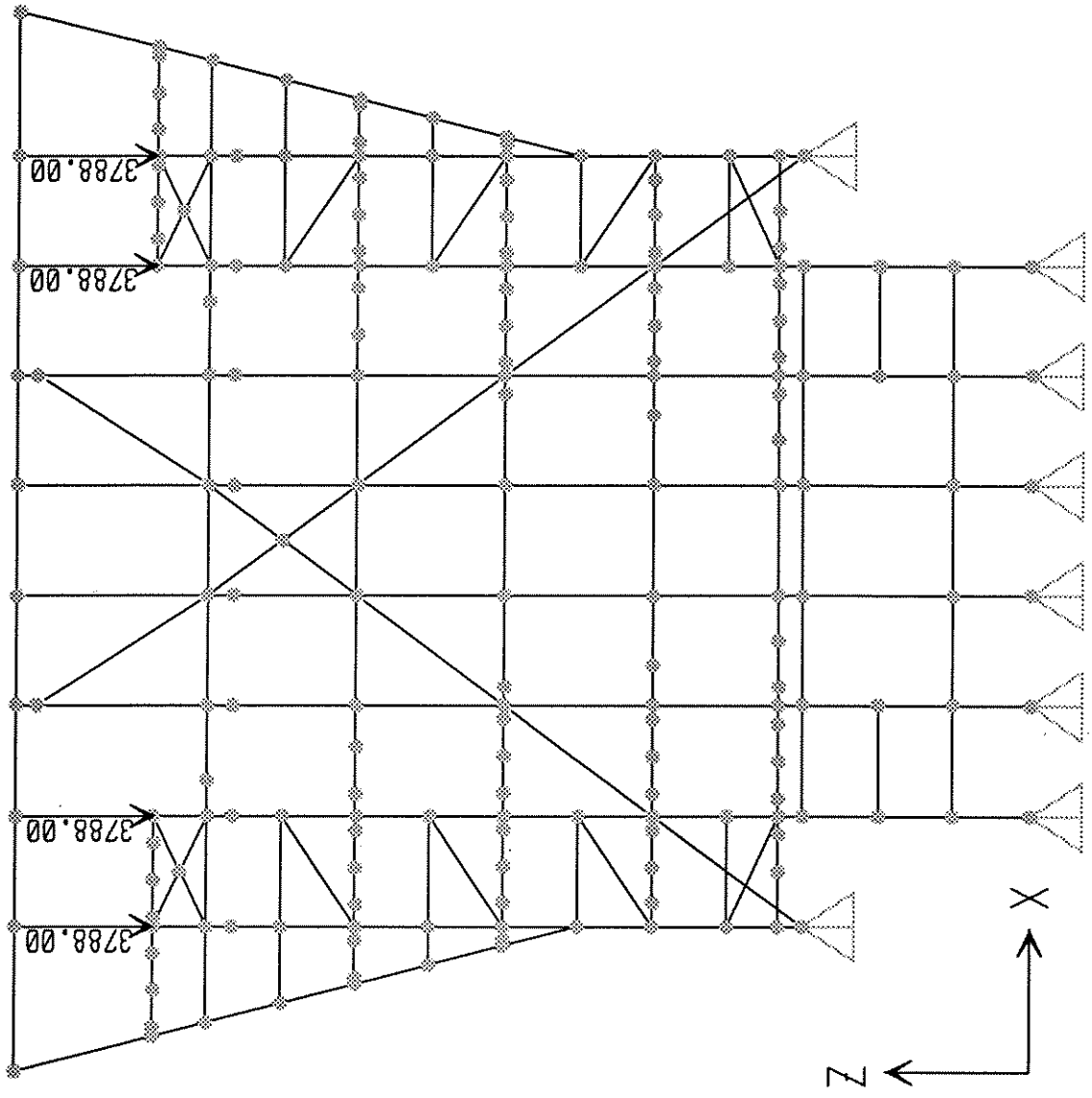
SAP2000

SAP2000 v7.40 - File:Main Bent Seismic - Joint Loads (TOPCOVER) - lb-in Units


SAP2000
4/5/05 20:10:36
180.00
180.00
Z
X
SAP2000 v7.40 - File:Main Bent Seismic - Joint Loads (CABLETRY) - lb-in Units

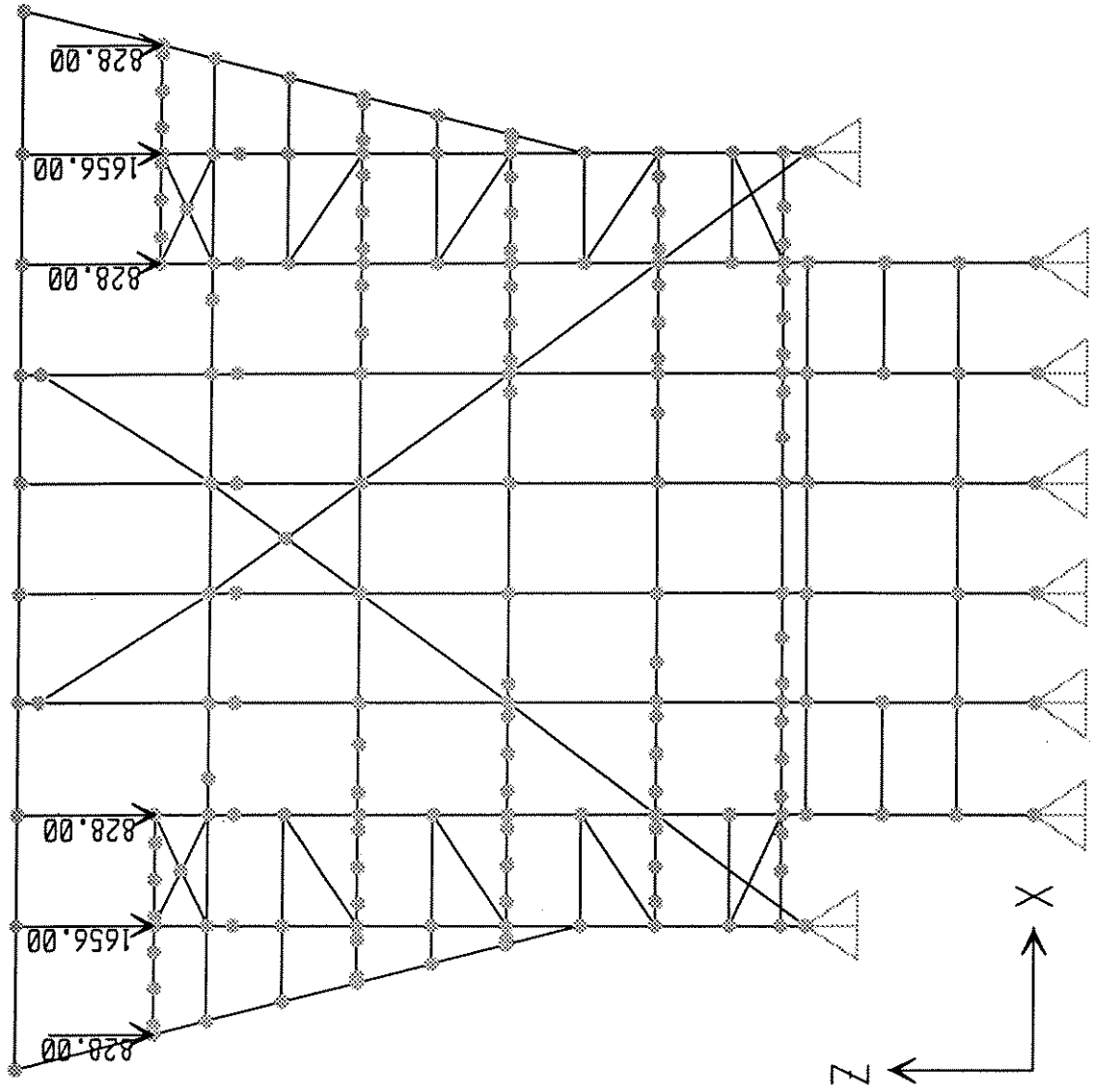
4/5/05 20:09:48

SAP2000



SAP2000 v7.40 - File:Main Bent Seismic - Joint Loads (MANIFOLD) - lb-in Units

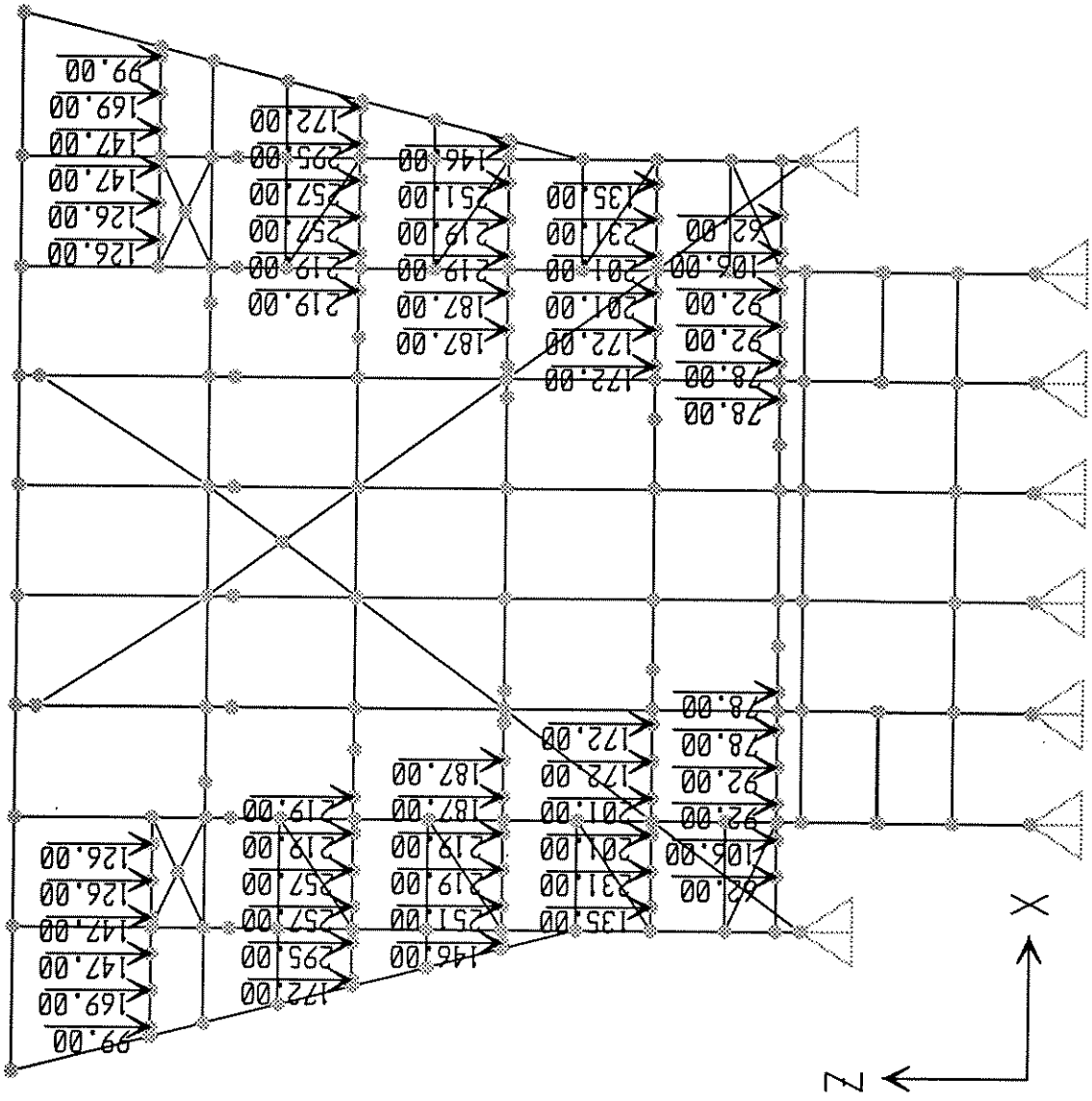
4/5/05 20:10:12



SAP2000

SAP2000 v7.40 - File:Main Bent Seismic - Joint Loads (HOTBASIN) - lb-in Units

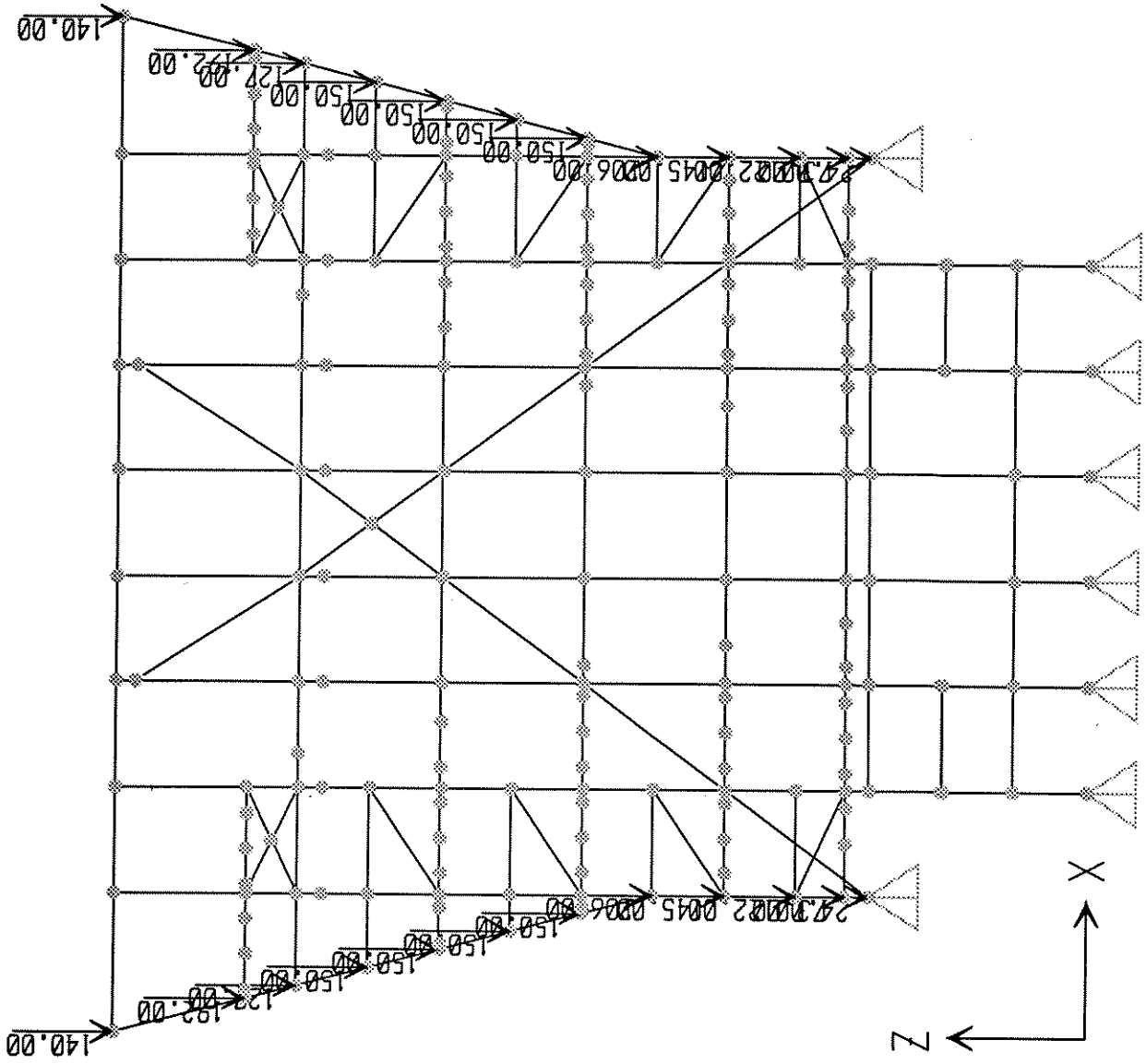
4/5/05 20:09:54



SAP2000

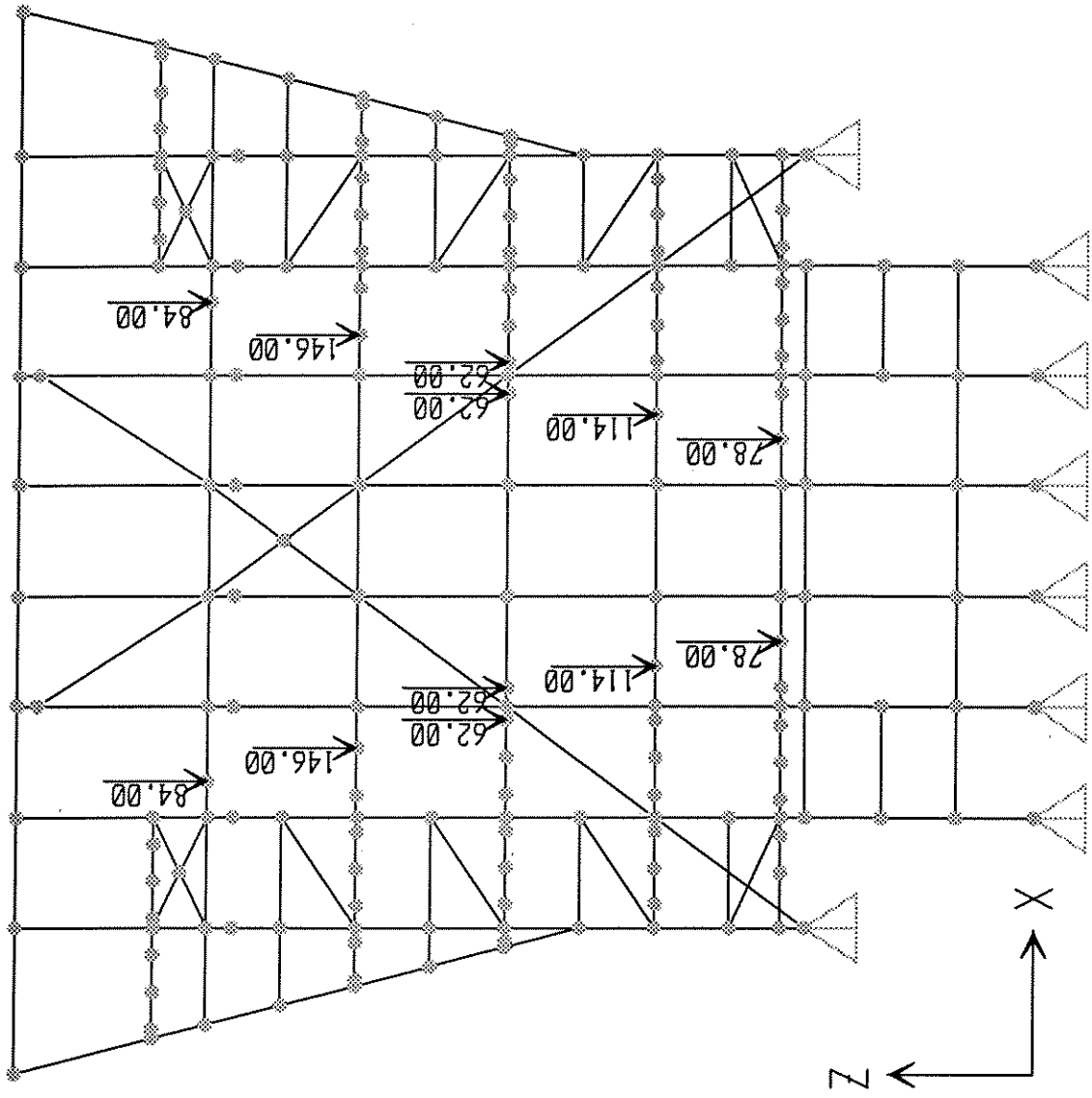
SAP2000 v7.40 - File:Main Bent Seismic - Joint Loads (TBAR) - lb-in Units

4/5/05 20:10:44


140.00
192.00
127.00
150.00
150.00
150

4/5/05 20:10:19

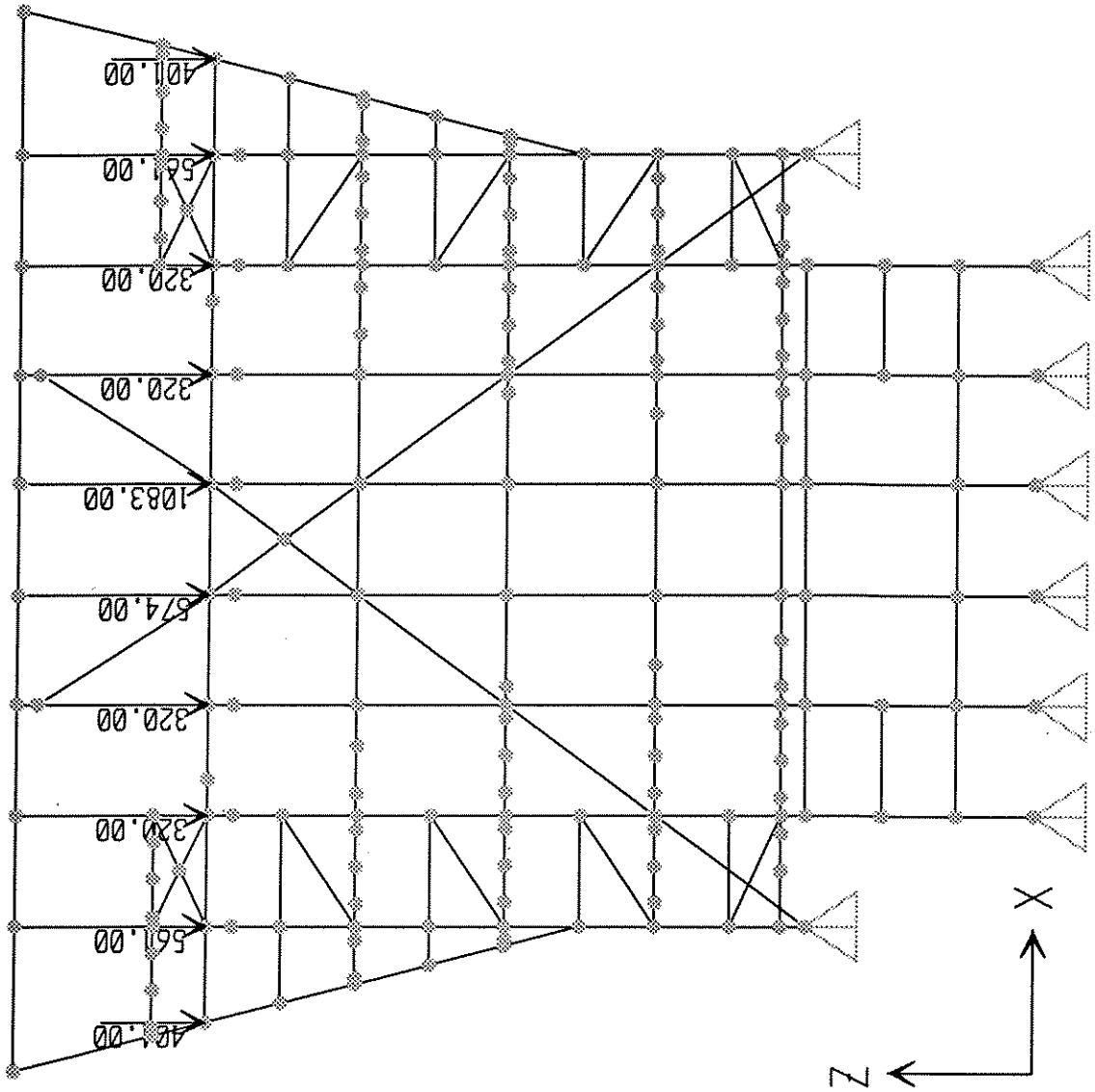
SAP2000



SAP2000 v7.40 - File:Main Bent Seismic - Joint Loads (DRIFTELM) - lb-in Units

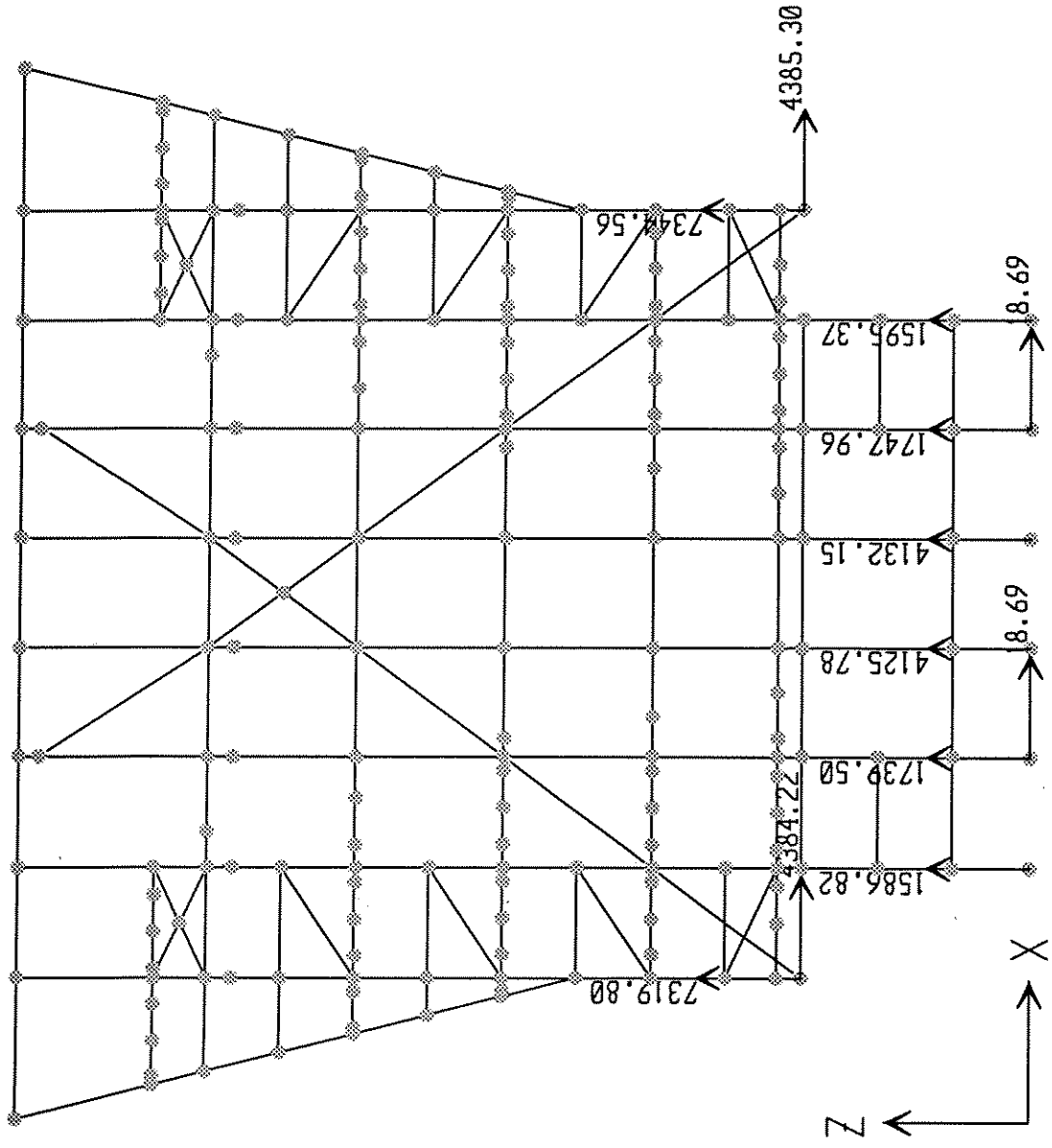
4/5/05 20:10:51

SAP2000



SAP2000 v7.40 - File:Main Bent Seismic - Joint Loads (SECDIST) - lb-in Units

4/5/05 20:11:02

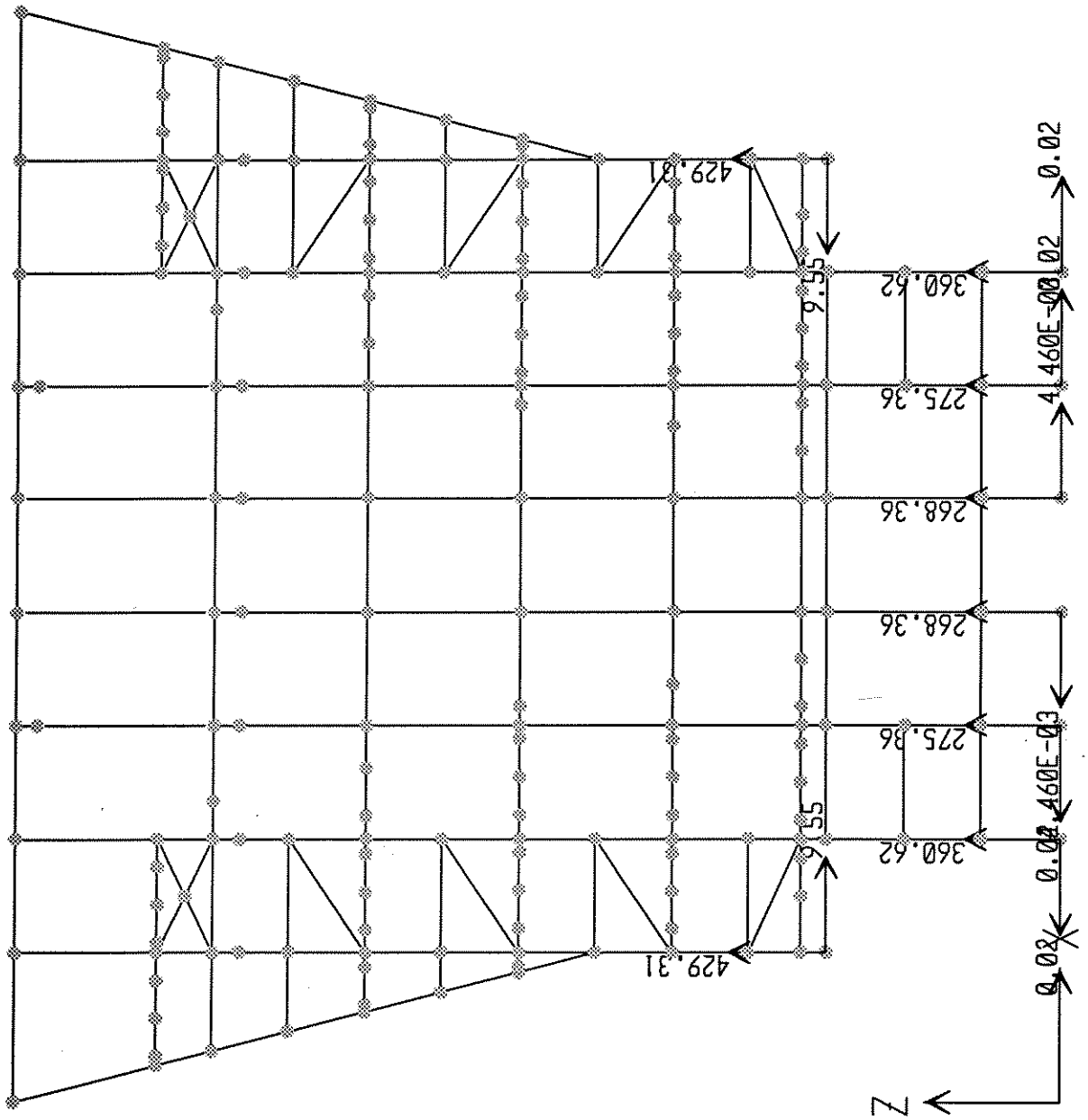


SAP2000

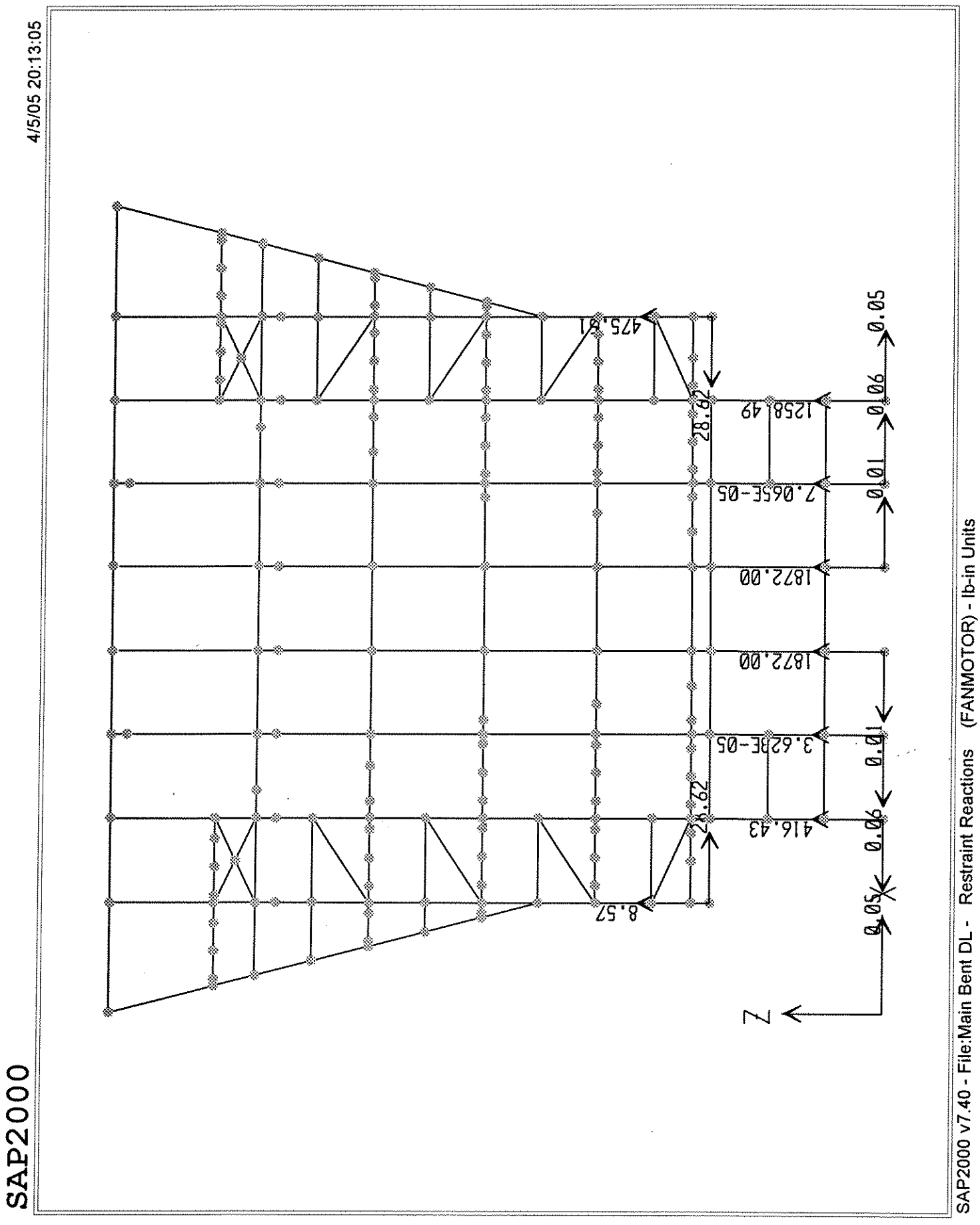
SAP2000 v7.40 - File:Main Bent Seismic - Restraint Reactions (HORIZ) - lb-in Units

4/5/05 20:12:23

SAP2000

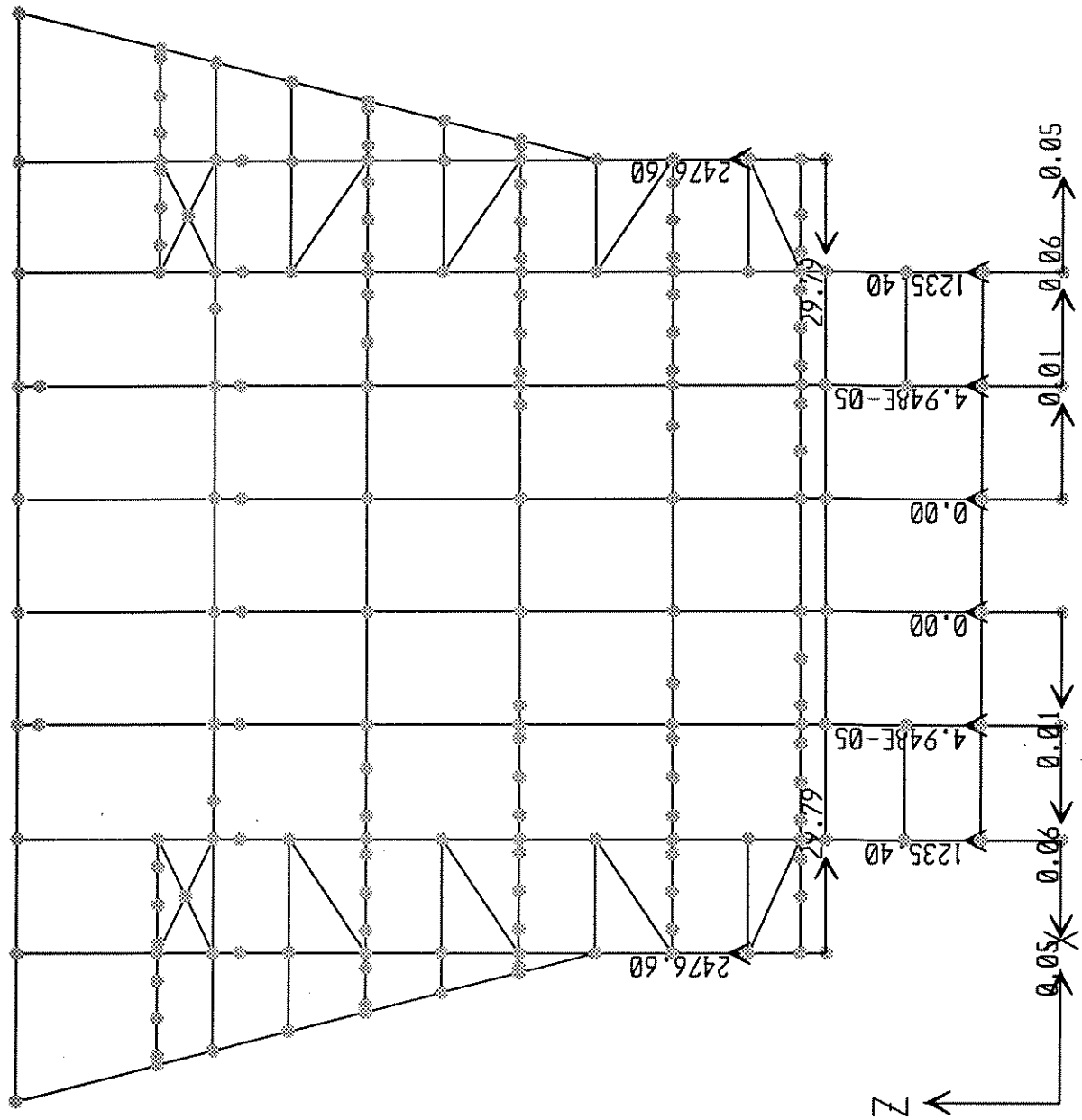


SAP2000 v7.40 - File:Main Bent DL - Restraint Reactions (DEAD) - lb-in Units


SAP2000
4/5/05 20:13:05
475.61
28.62
1258.49
7.065E-05
1872.00
1872.00
3.628E-05
28.62
416.43
8.57
0.05
0.06
0.01
0.01
0.06
0.05
Z
SAP2000 v7.40 - File:Main Bent DL - Restraint Reactions (FANMOTOR) - lb-in Units

4/5/05 20:12:41

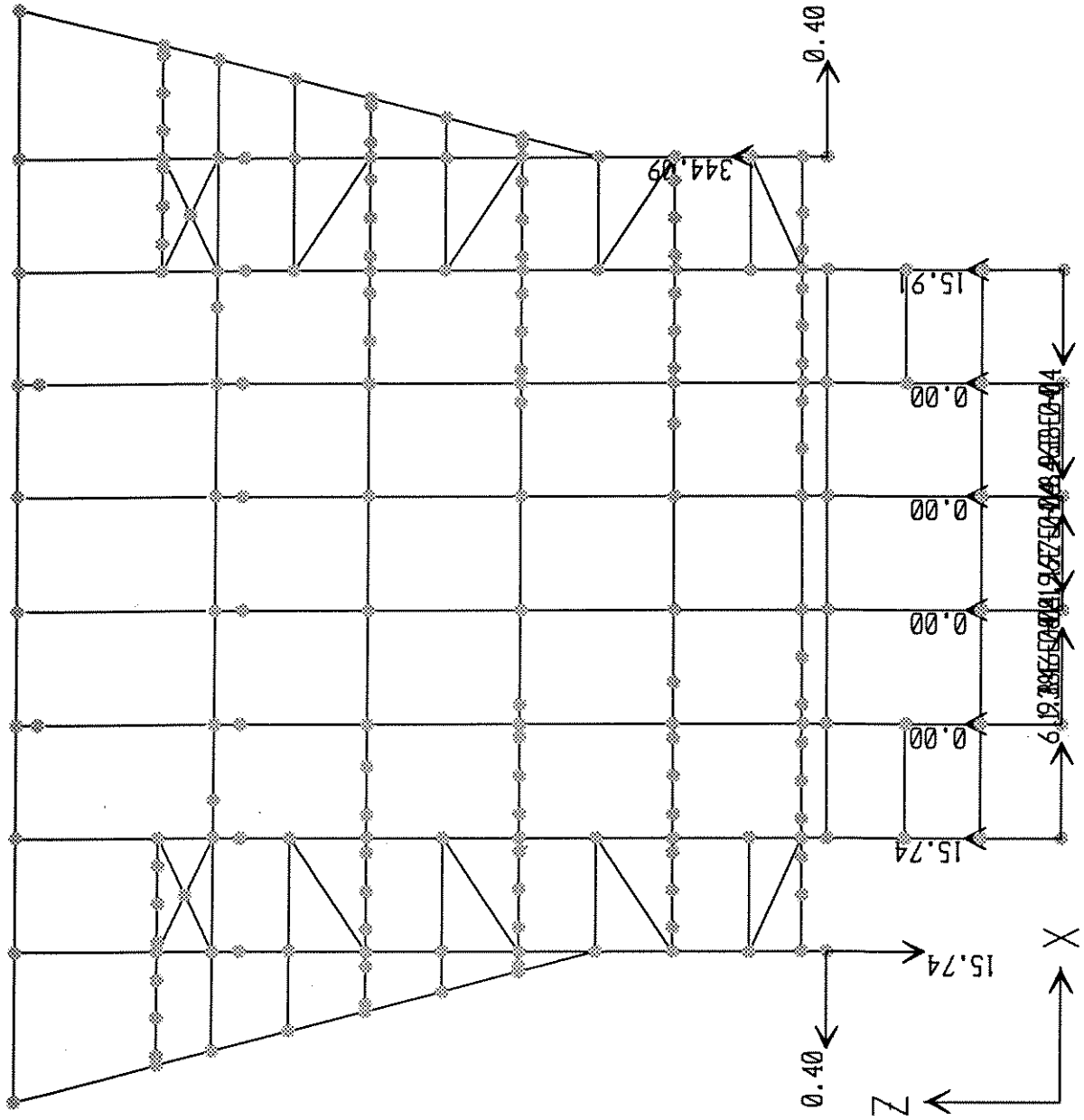
SAP2000



SAP2000 v7.40 - File:Main Bent DL - Restraint Reactions (TOPCOVER) - lb-in Units

4/5/05 20:13:11

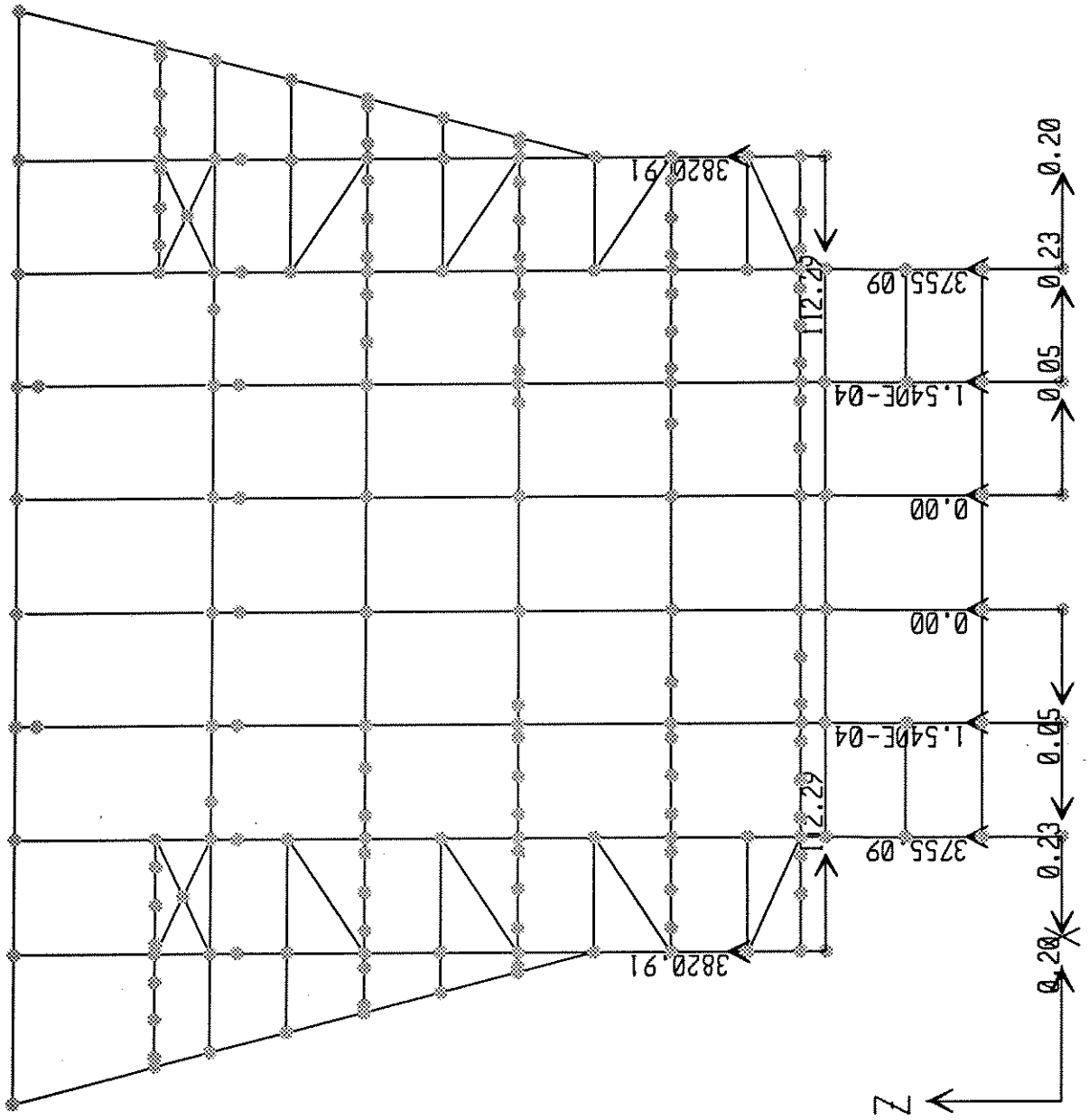
SAP2000



SAP2000 v7.40 - File:Main Bent DL - Restraint Reactions (CABLETRY) - lb-in Units

4/5/05 20:12:29

SAP2000



SAP2000 v7.40 - File:Main Bent DL - Restraint Reactions (MANIFOLD) - lb-in Units

4/5/05 20:12:52

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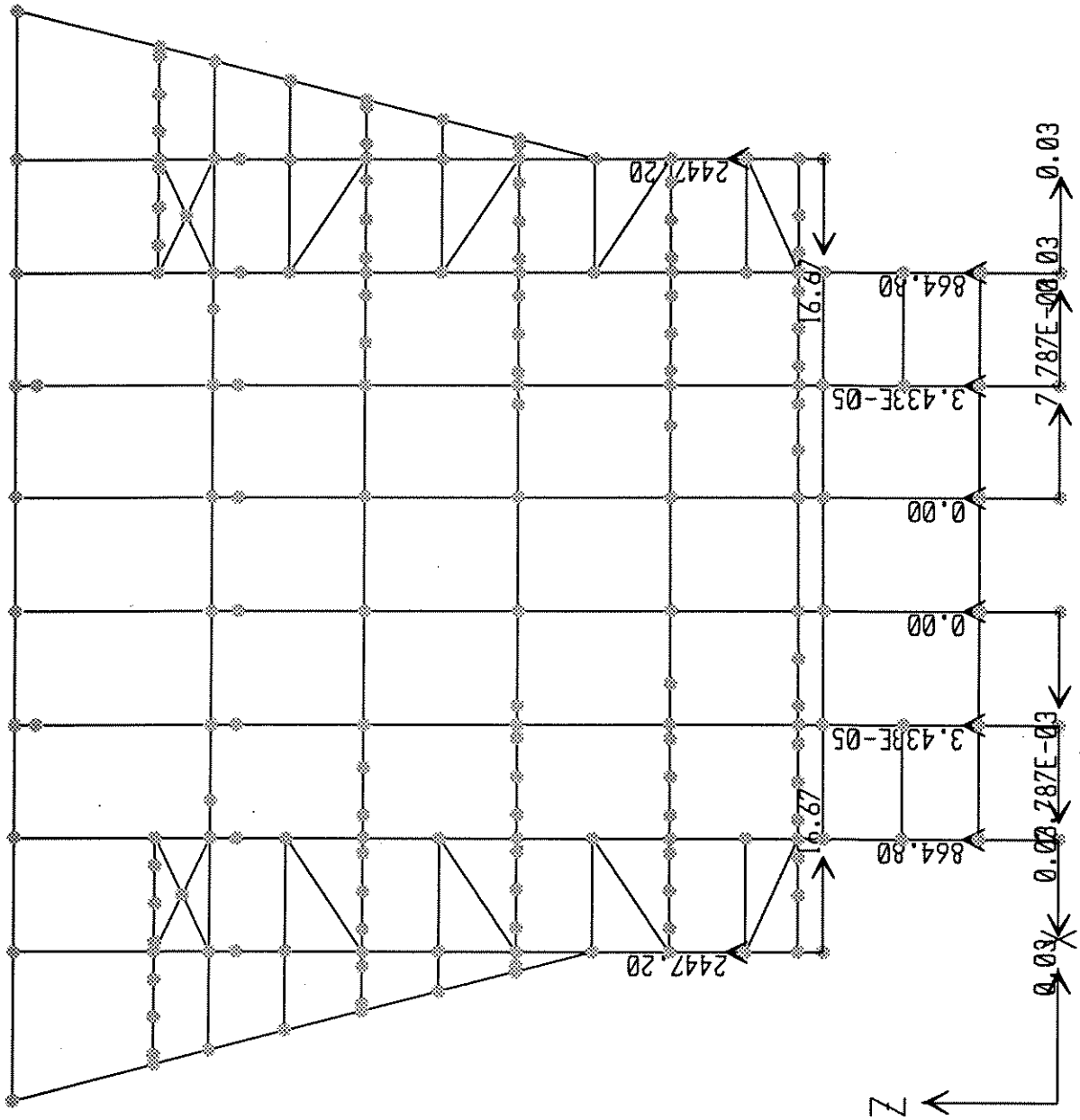
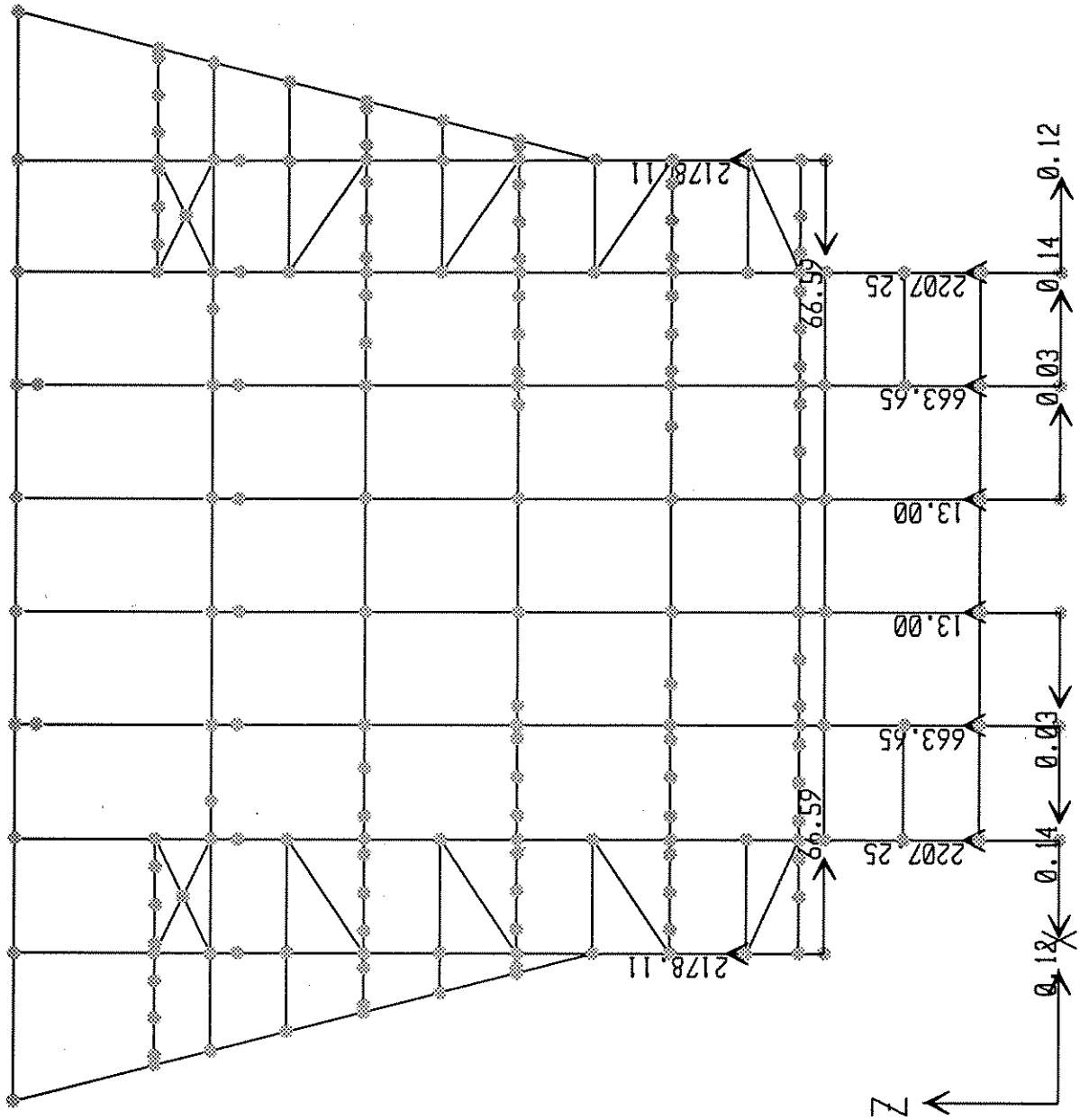


SAP2000 v7.40 - File:Main Bent DL - Restraint Reactions (HOTBASIN) - lb-in Units

4/5/05 20:12:35

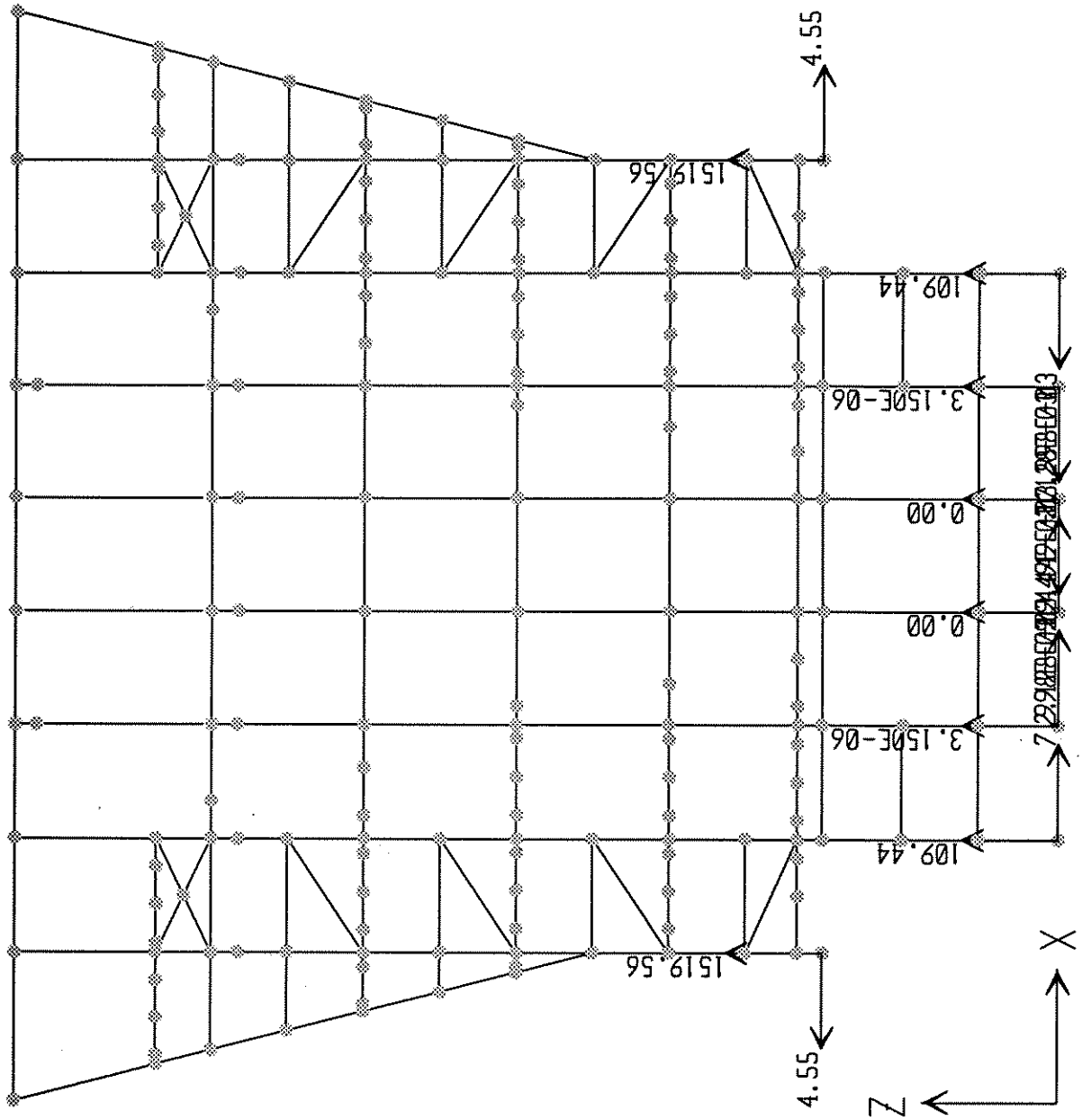
SAP2000



SAP2000 v7.40 - File:Main Bent DL - Restraint Reactions (TBAR) - lb-in Units

4/5/05 20:13:17

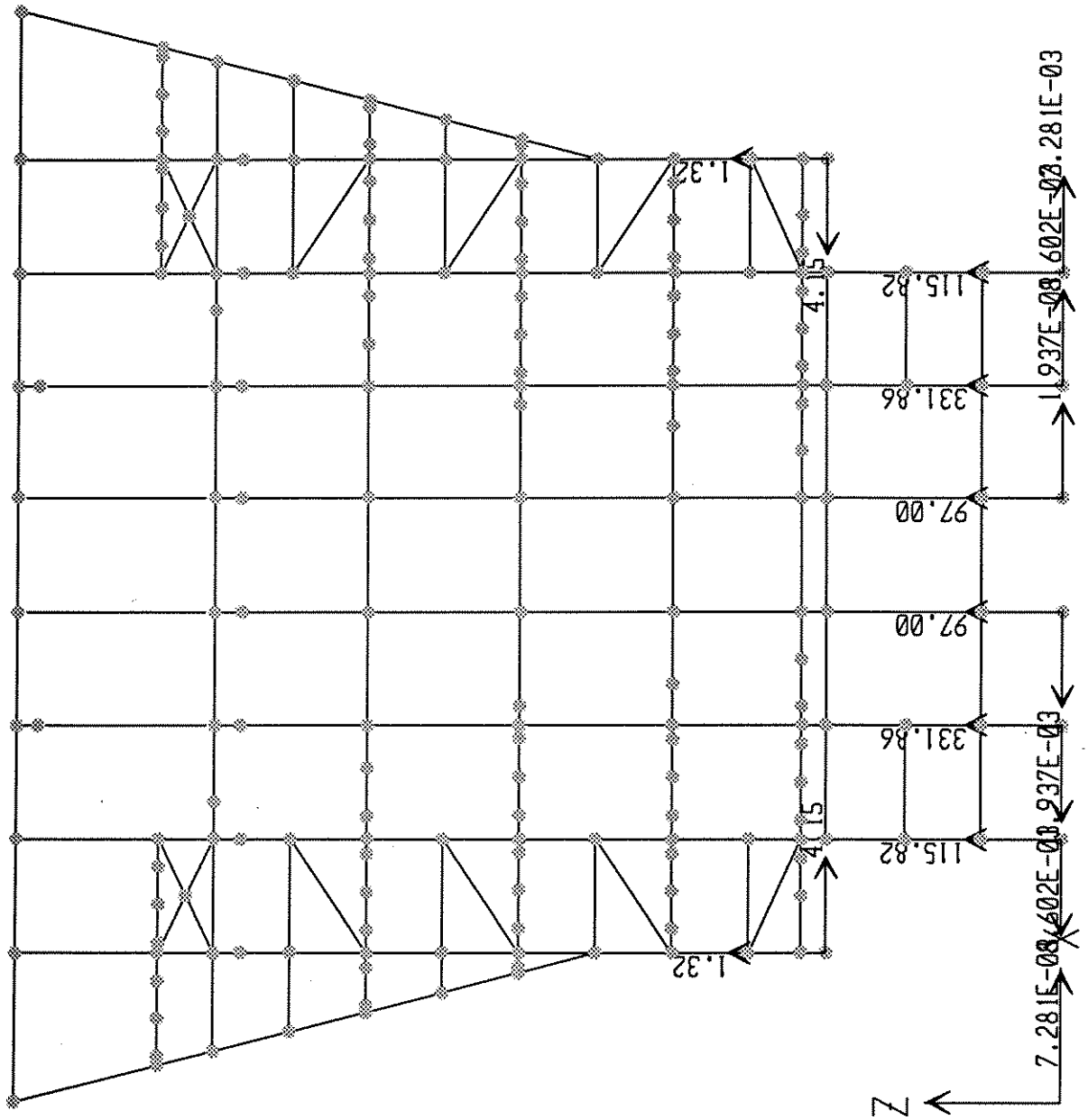
SAP2000



SAP2000 v7.40 - File:Main Bent DL - Restraint Reactions (LOUVERWL) - lb-in Units

4/5/05 20:12:58

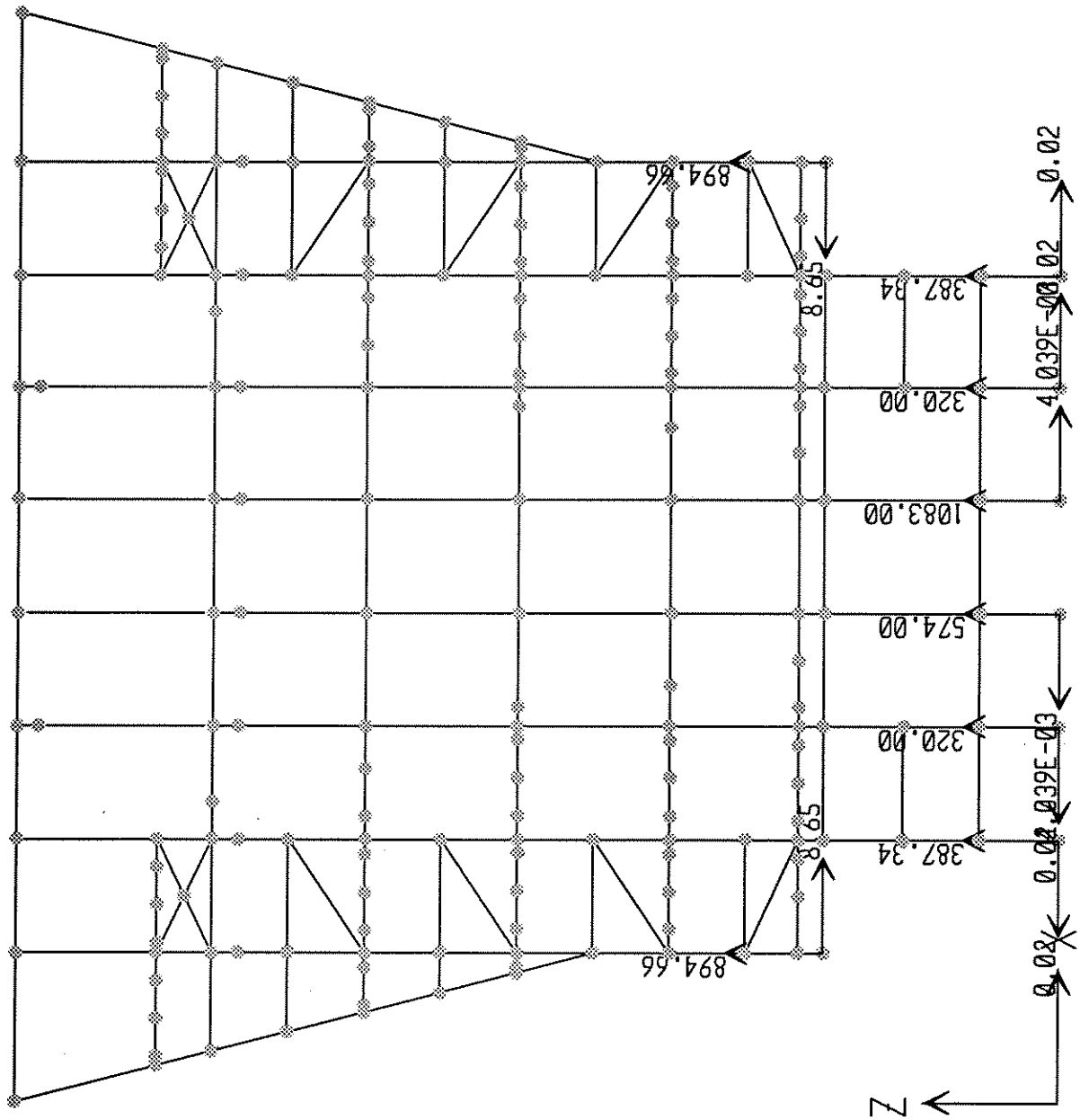
SAP2000



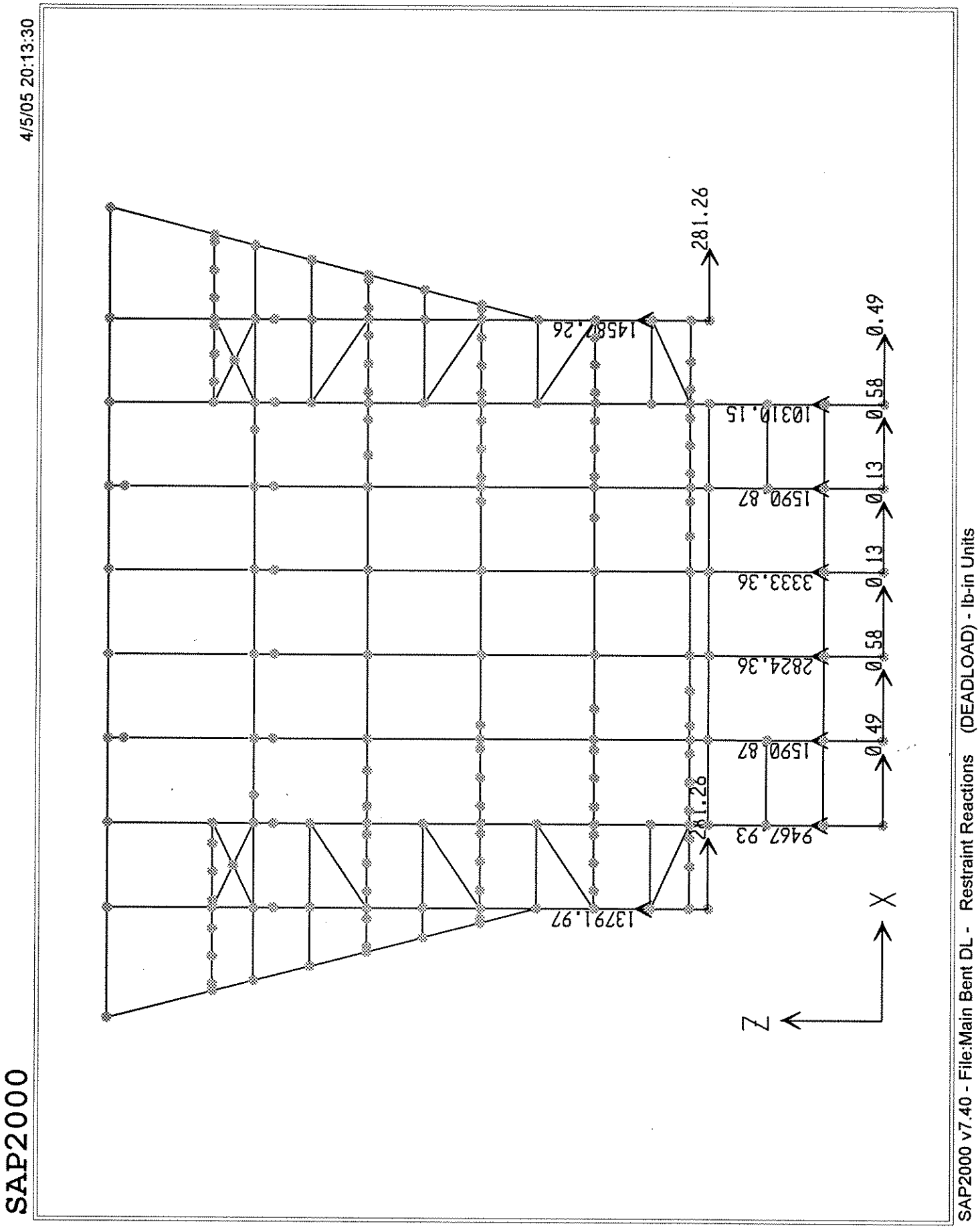
SAP2000 v7.40 - File:Main Bent DL - Restraint Reactions (DRIFTELM) - lb-in Units

4/5/05 20:13:23

SAP2000

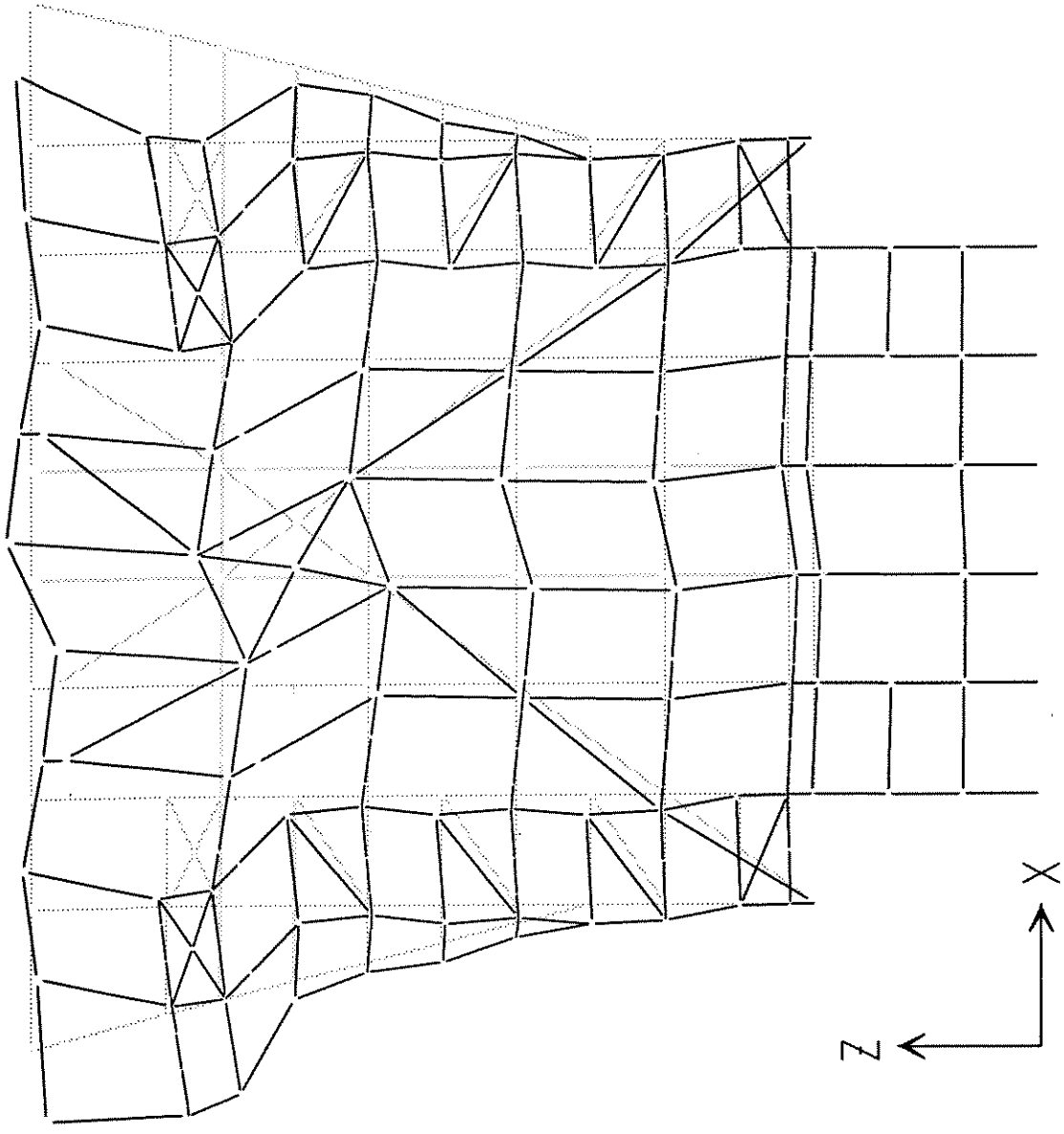


SAP2000 v7.40 - File:Main Bent DL - Restraint Reactions (SECDIST) - lb-in Units


4/5/05 20:13:30
SAP2000
281.26
14582.26
10310.15
1590.87
3333.36
2824.36
1590.87
9467.93
281.26
13791.97
0.49
0.58
0.13
0.13
0.58
0.49
X
Z
SAP2000 v7.40 - File:Main Bent DL - Restraint Reactions (DEADLOAD) - lb-in Units

4/5/05 20:11:16

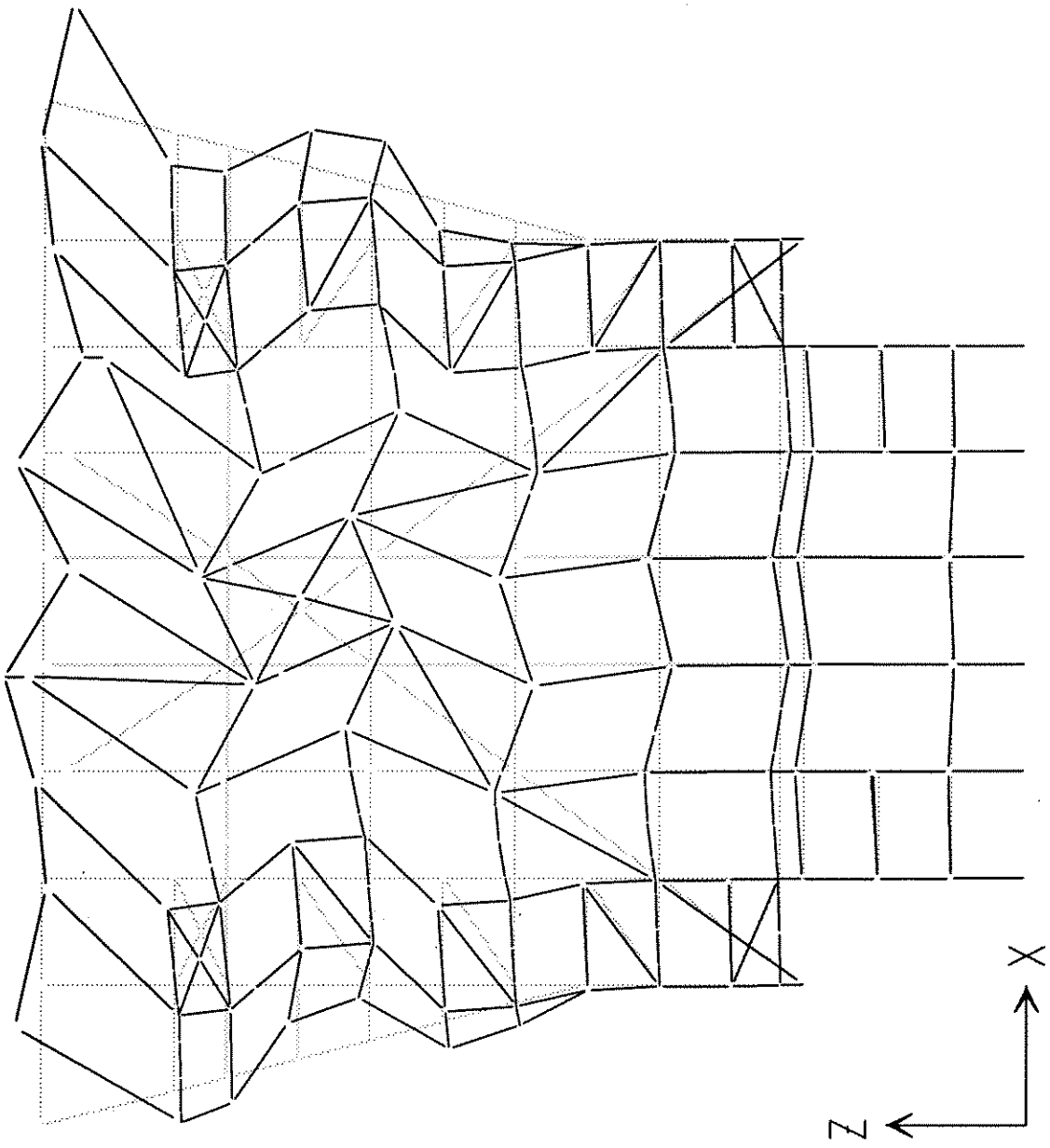
SAP2000



SAP2000 v7.40 - File:Main Bent Seismic - Mode 1 Period 0.4918 seconds - lb-in Units

4/5/05 20:11:20

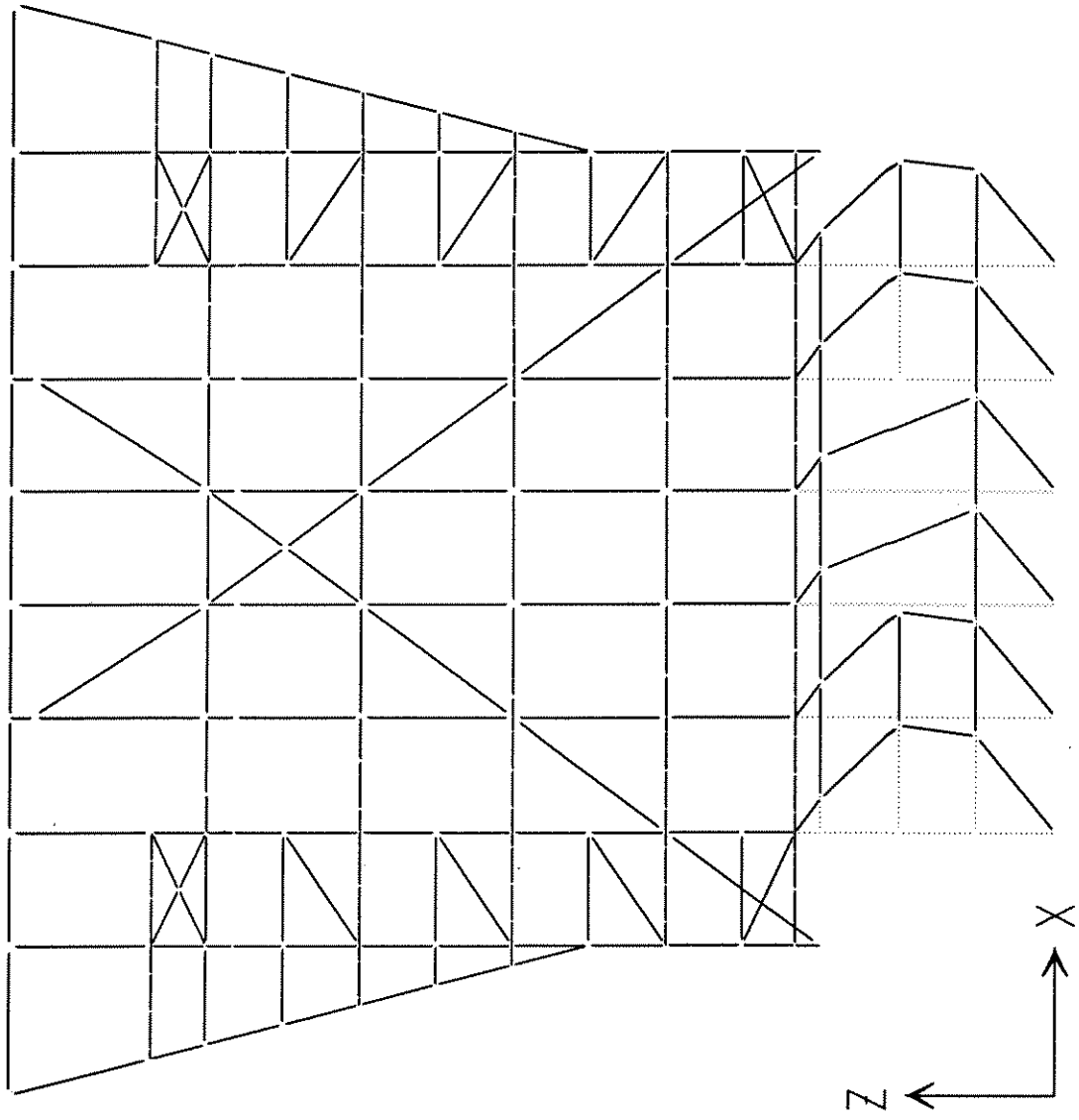
SAP2000



SAP2000 v7.40 - File:Main Bent Seismic - Mode 2 Period 0.3216 seconds - lb-in Units

4/5/05 20:11:25

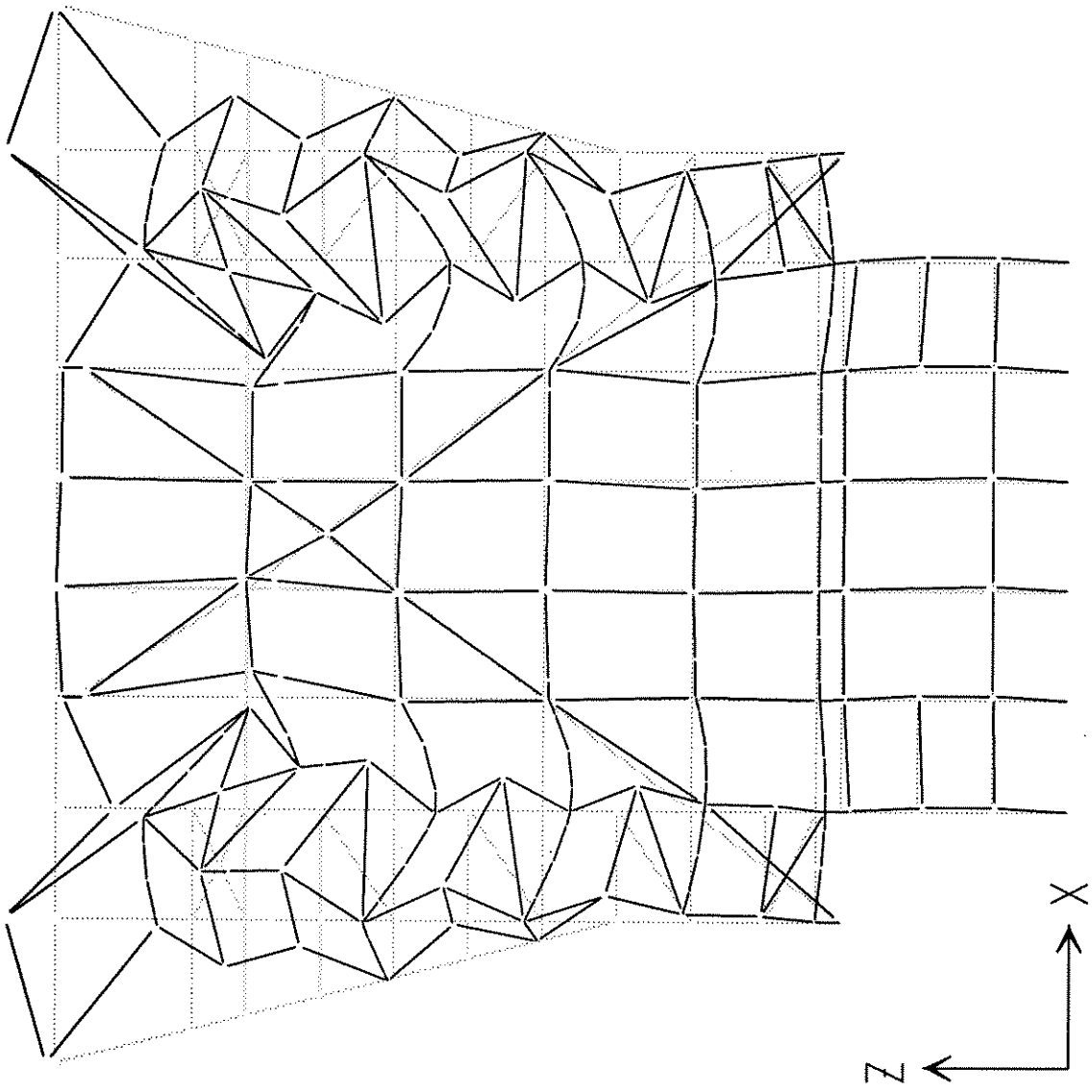
SAP2000



SAP2000 v7.40 - File:Main Bent Seismic - Mode 3 Period 0.2141 seconds - lb-in Units

4/5/05 20:11:28

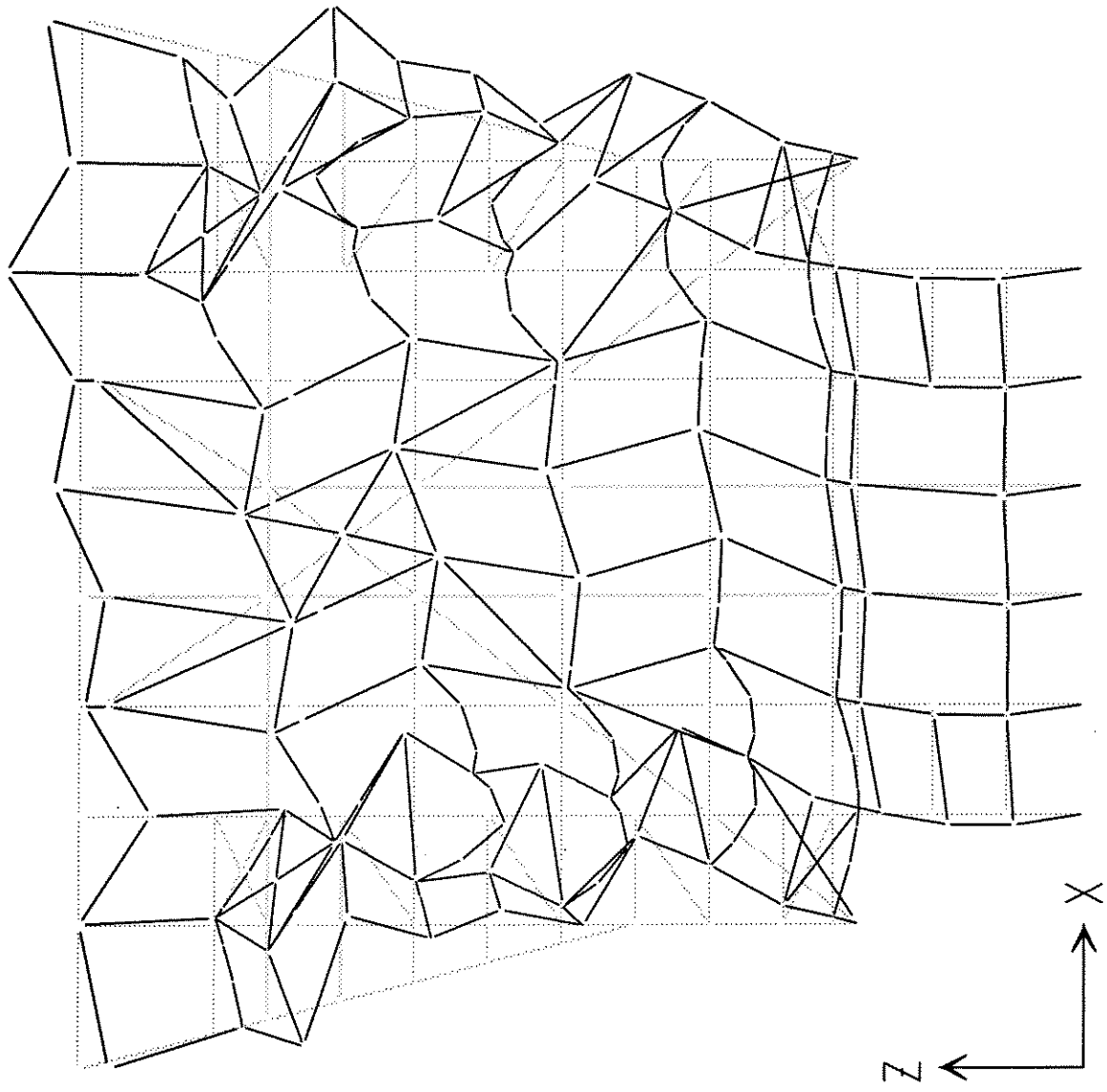
SAP2000



SAP2000 v7.40 - File:Main Bent Seismic - Mode 4 Period 0.2066 seconds - lb-in Units

4/5/05 20:11:32

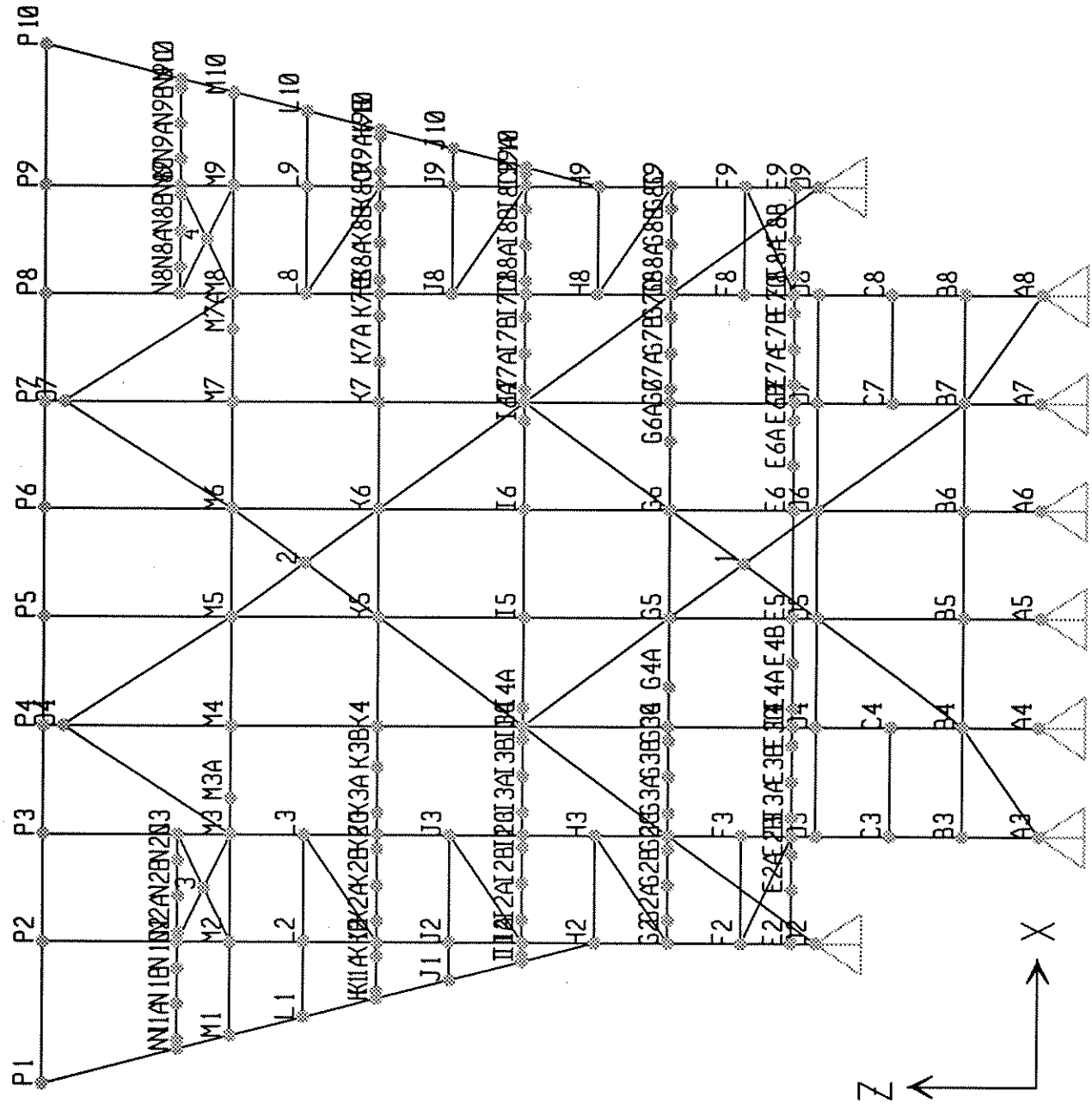
SAP2000



SAP2000 v7.40 - File:Main Bent Seismic - Mode 5 Period 0.1826 seconds - lb-in Units

3/22/05 17:10:38

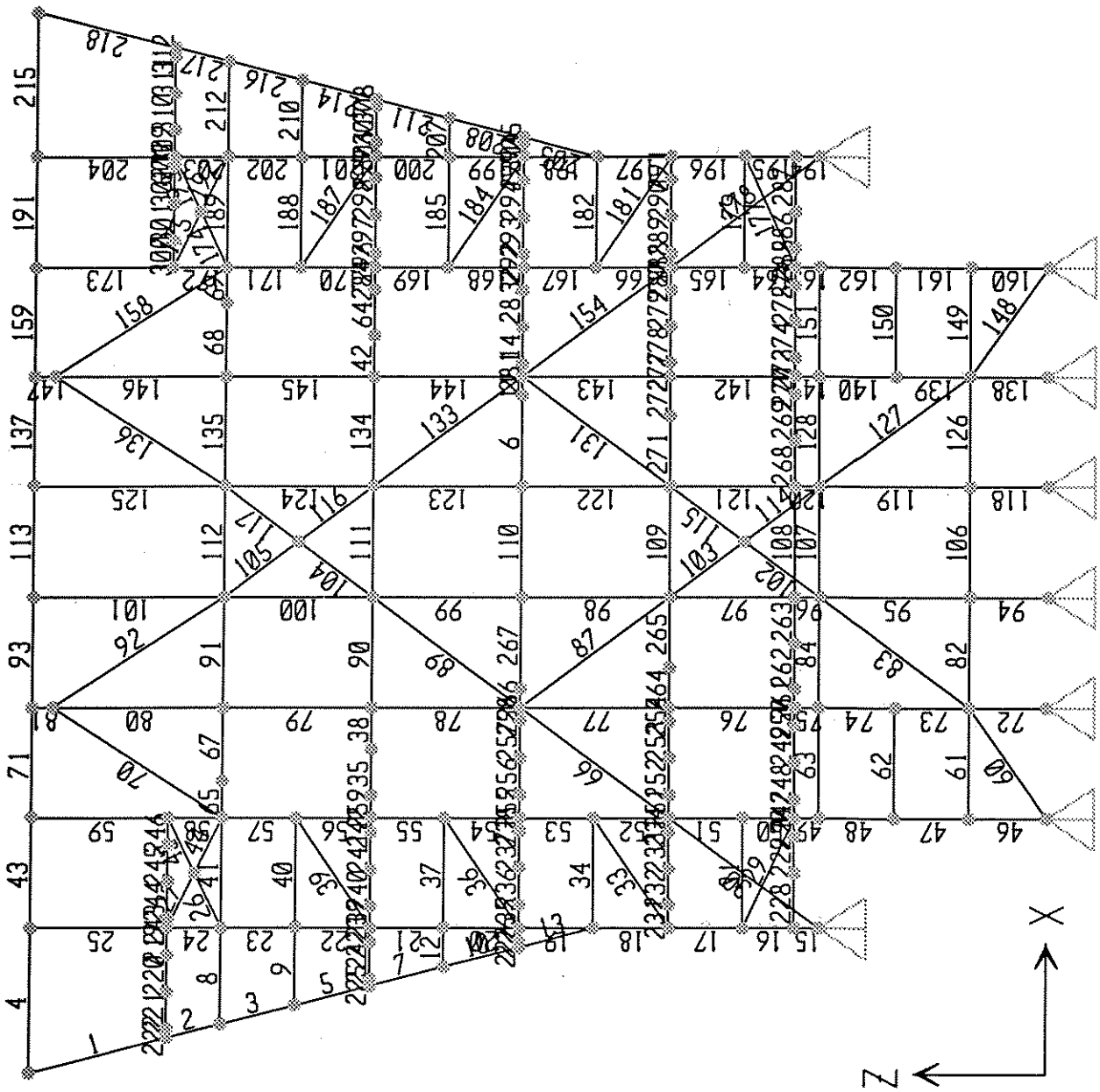
SAP2000



SAP2000 v7.40 - File:Partition Bent Seismic - X-Z Plane @ Y=120 - lb-in Units

3/22/05 17:10:43

SAP2000



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3/22/05 17:10:49

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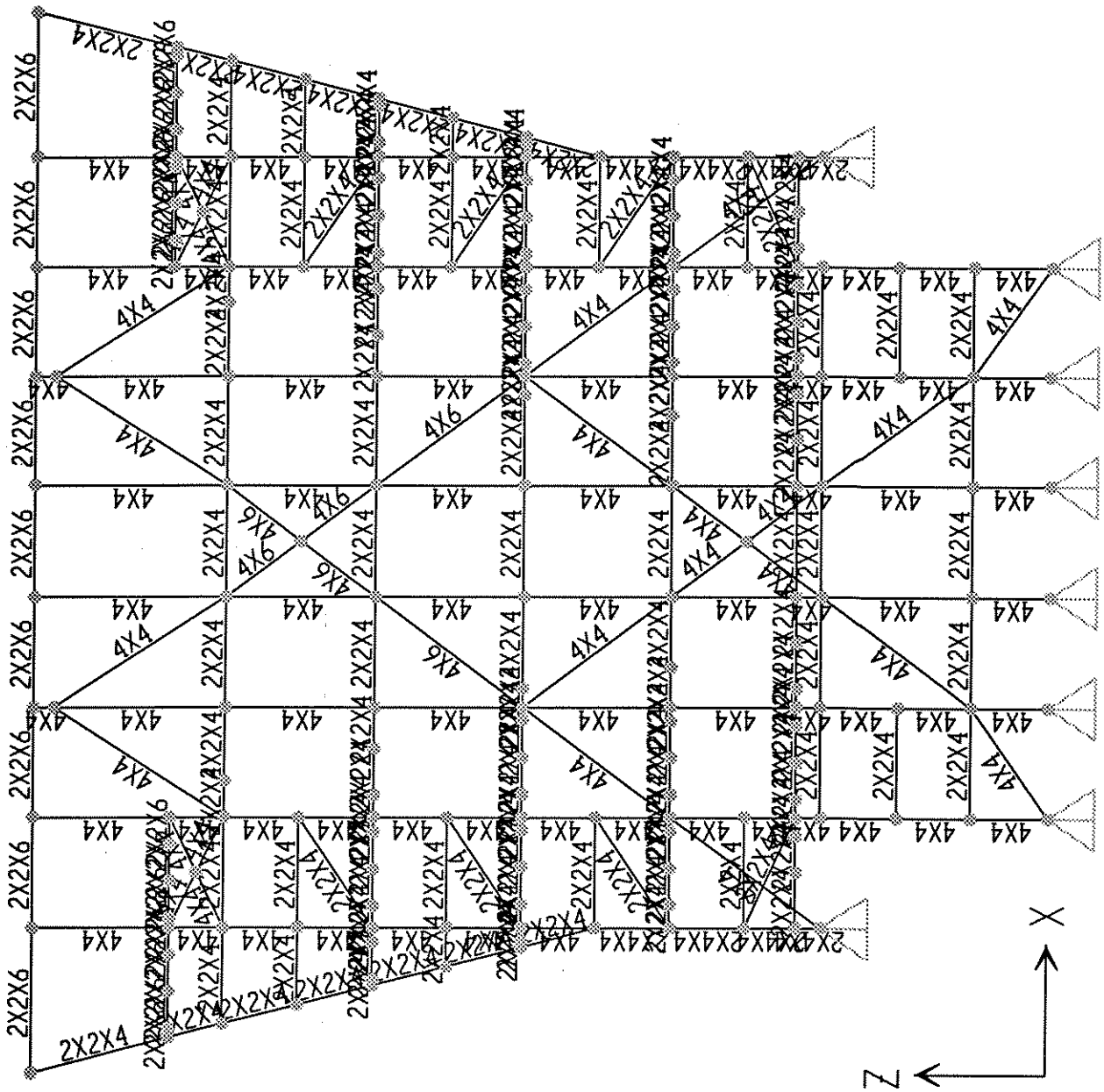

SAP2000 v7.40 - File:Partition Bent Seismic - X-Z Plane @ Y=120 - lb-in Units

3/22/05 17:11:01

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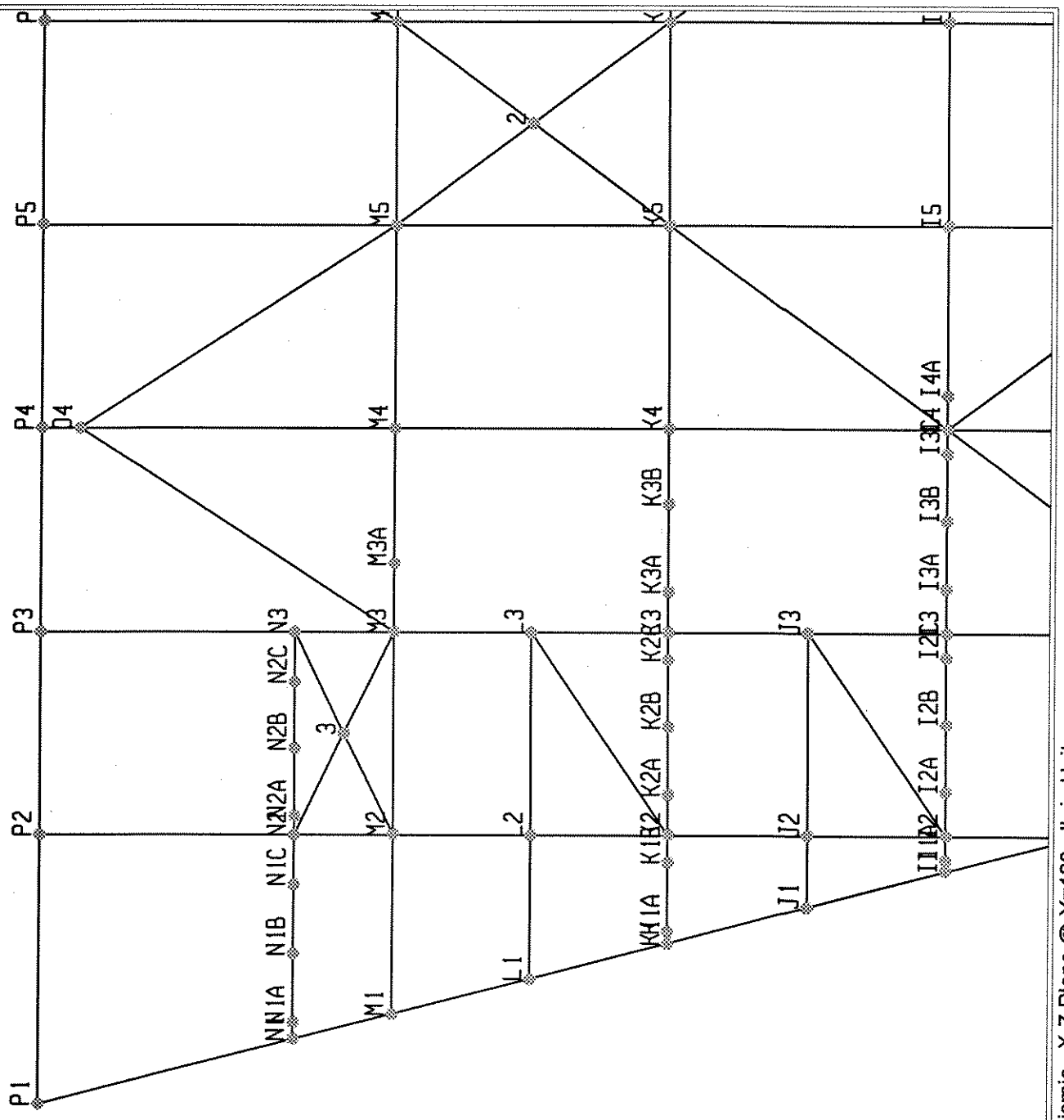

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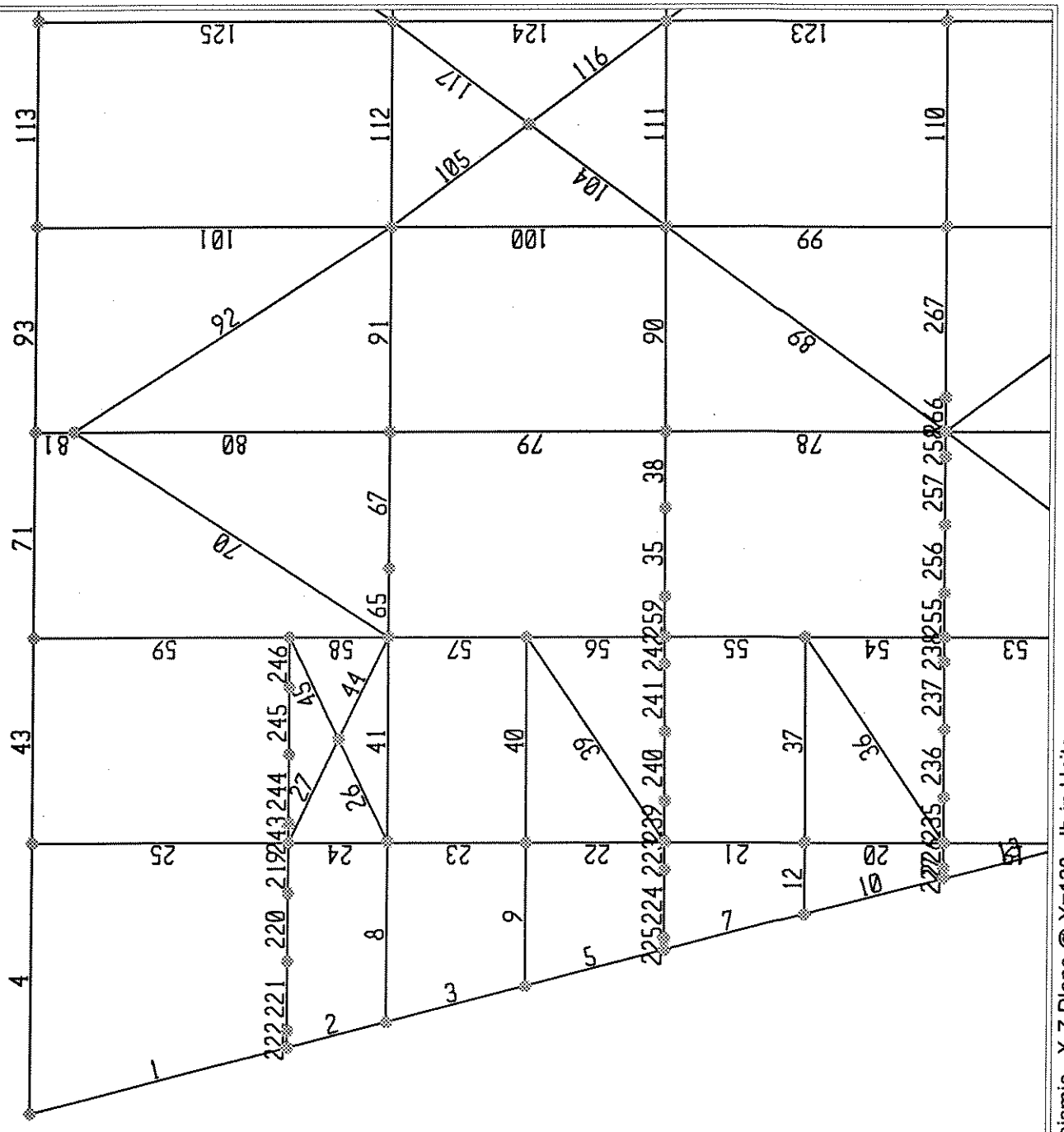
3/22/05 17:11:07



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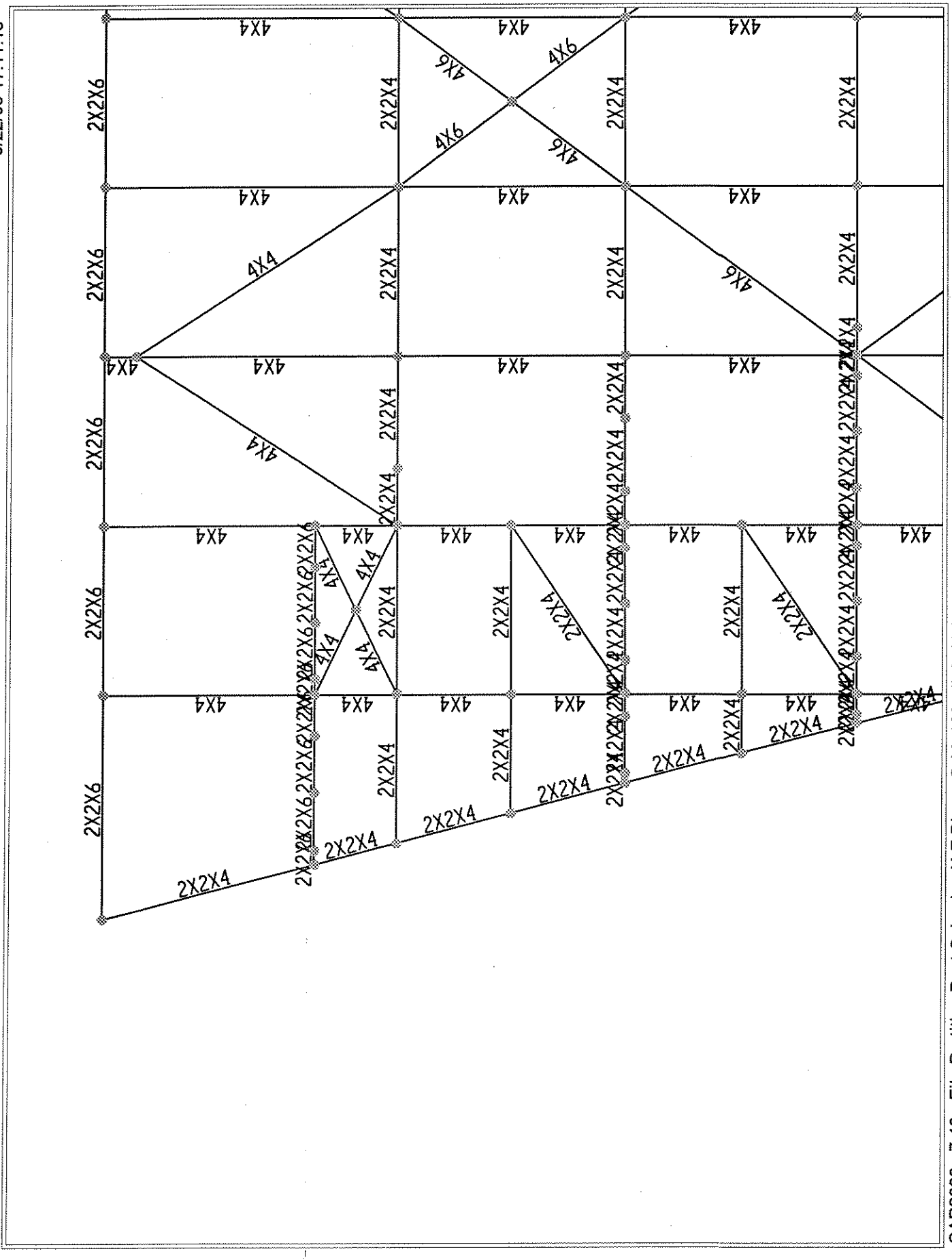
3/22/05 17:11:13



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3/22/05 17:11:35

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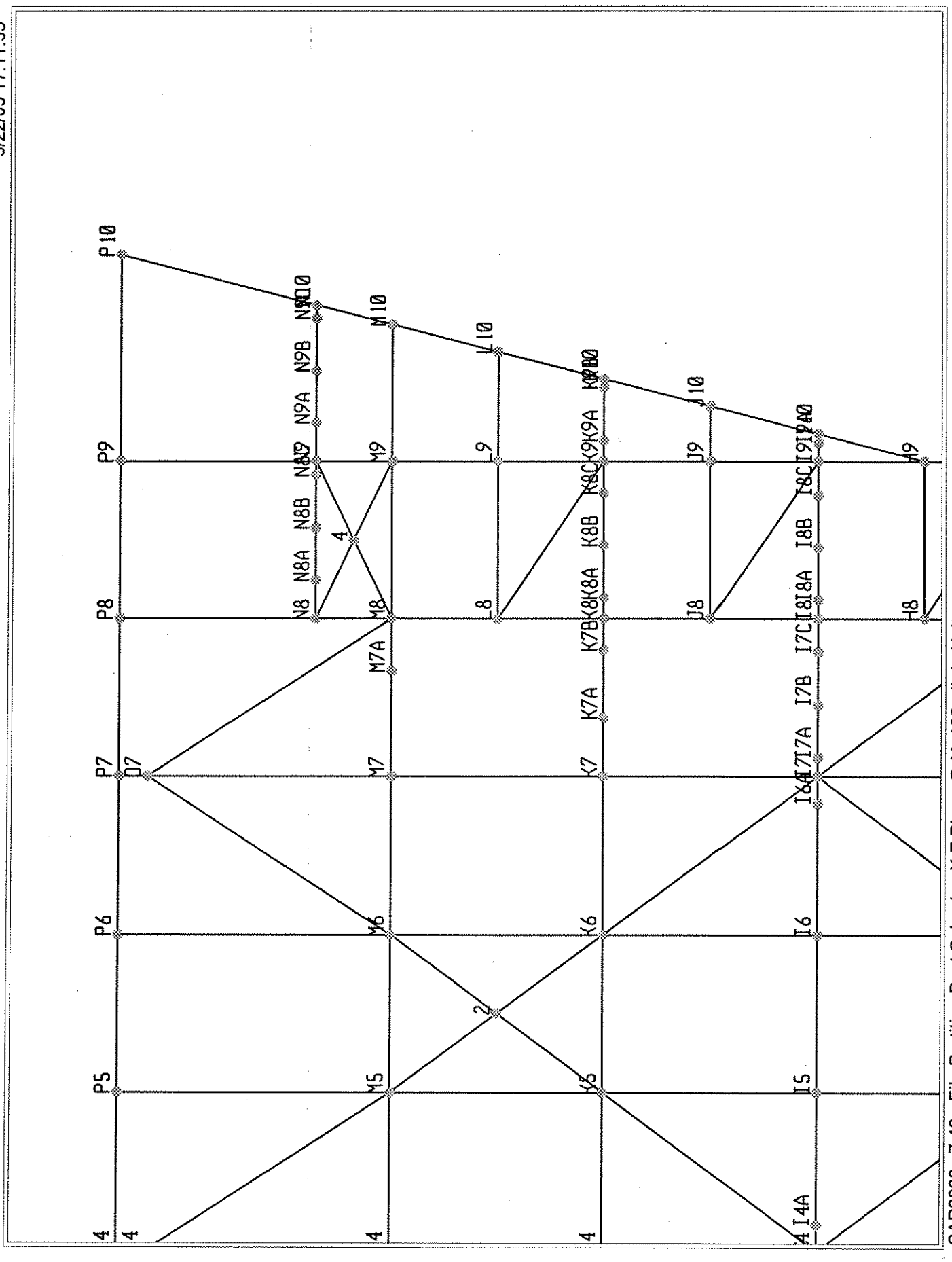

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3/22/05 17:11:40

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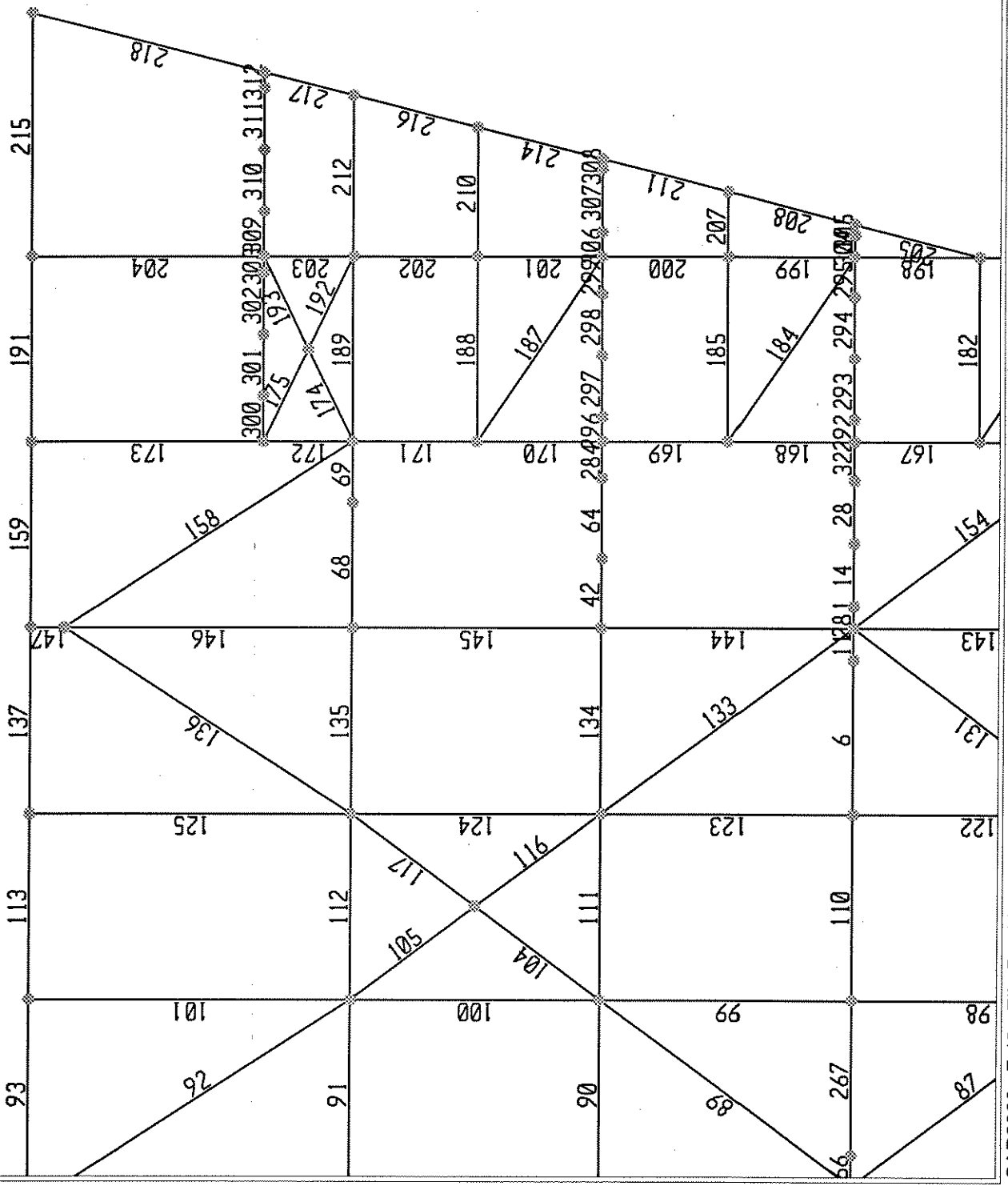

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3/22/05 17:11:46

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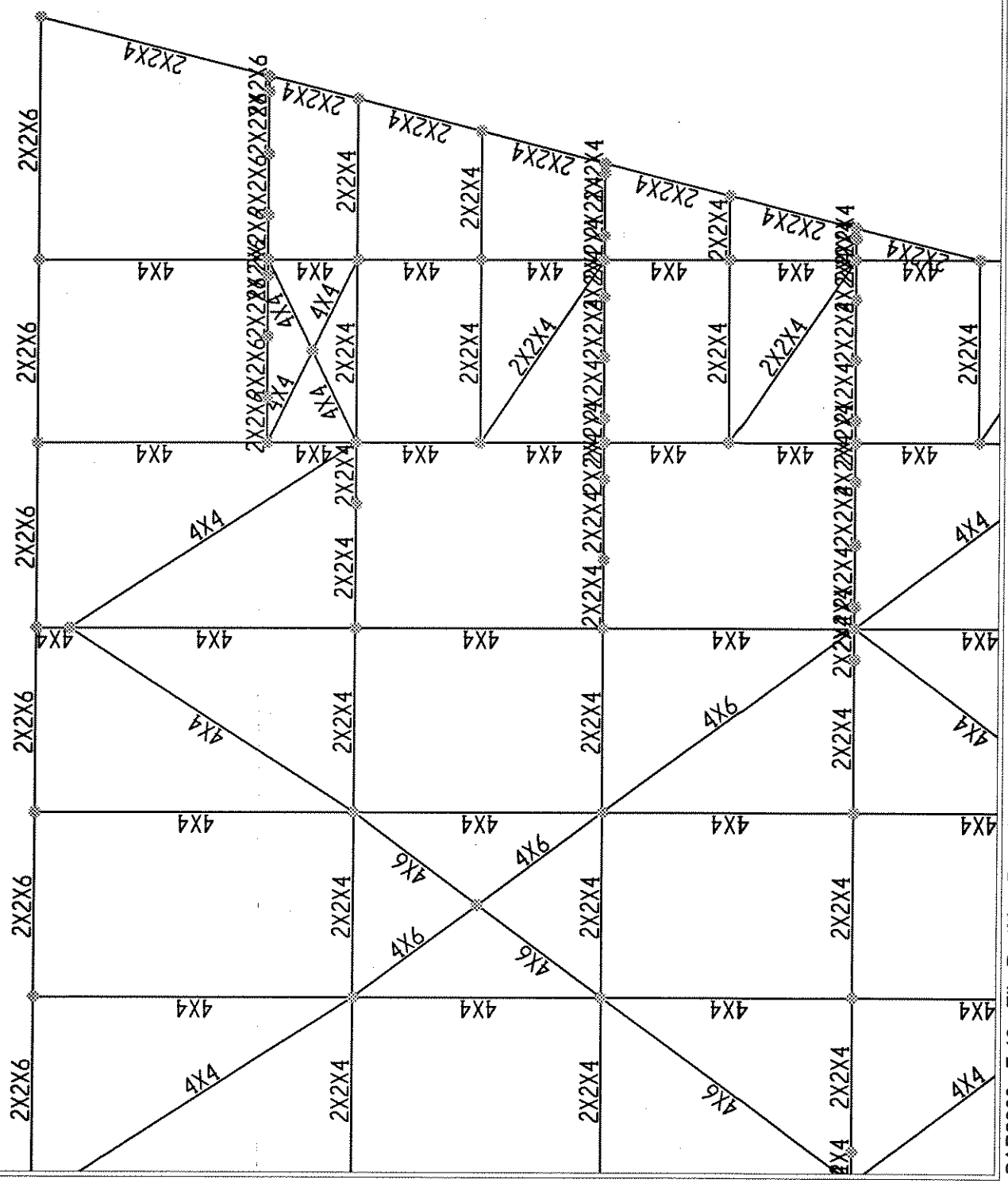

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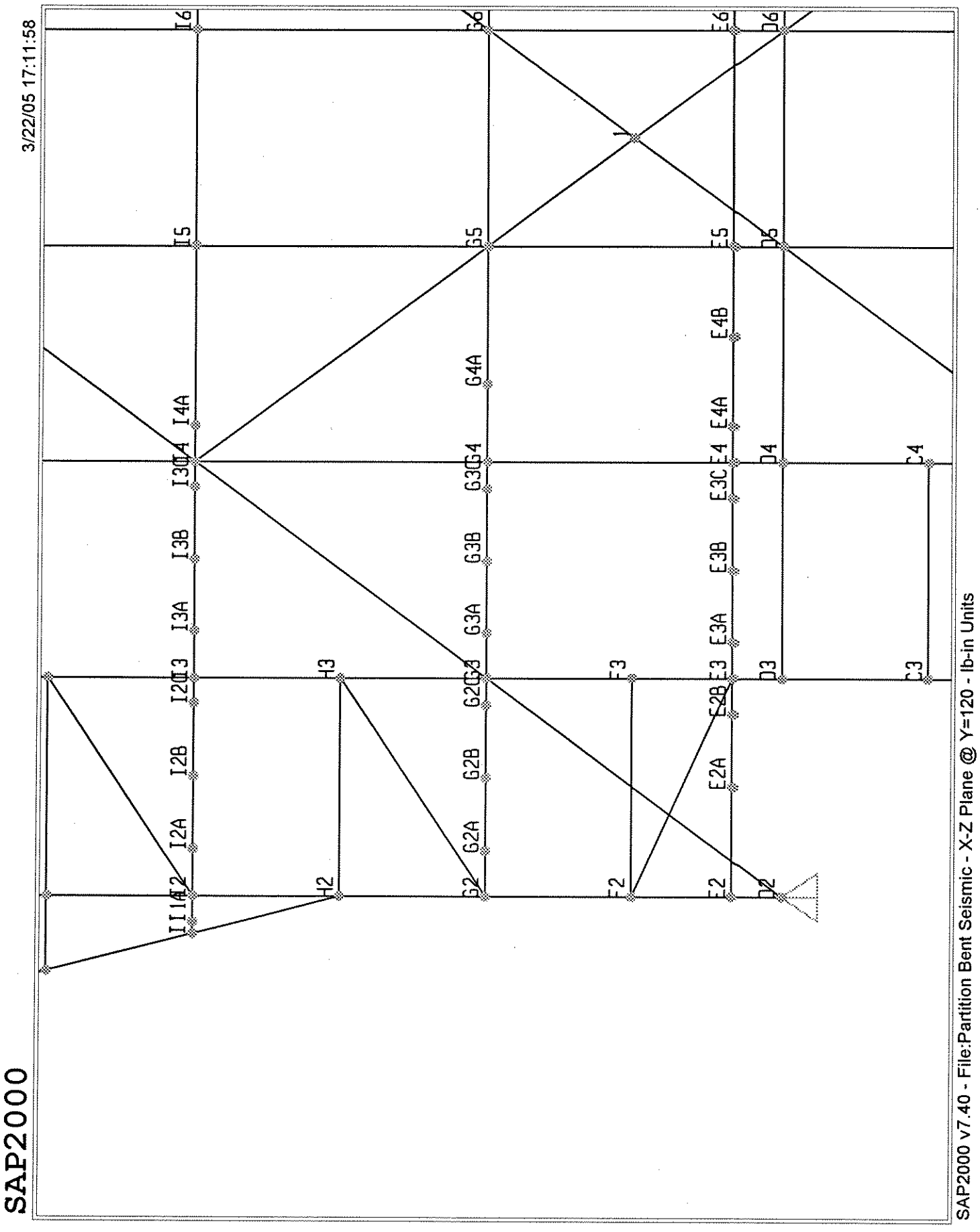
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3/22/05 17:11:58
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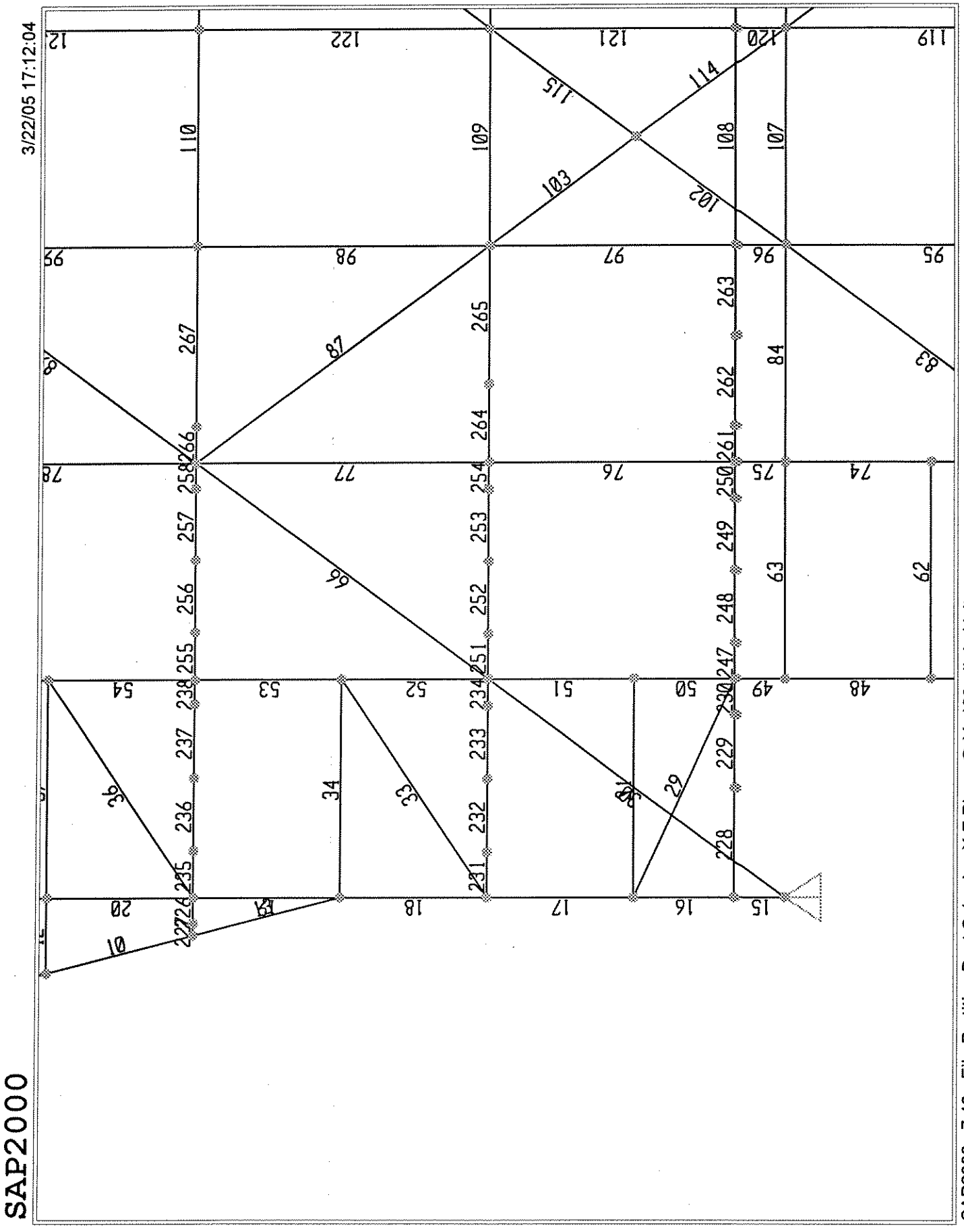
G6
E6
D6
I5
G5
E5
D5
I4A
G4A
E4B
E4A
I4
G4
E4
D4
C4
I3C
G3C
E3C
I3B
G3B
E3B
I3A
G3A
E3A
I3
G3
E3
D3
C3
I2C
G2C
E2B
I2B
G2B
E2A
I2A
G2A
I2
G2
E2
D2
I1A
H3
F3
H2
F2
1
SAP2000 v7.40 - File:Partition Bent Seismic - X-Z Plane @ Y=120 - lb-in Units


3/22/05 17:12:04
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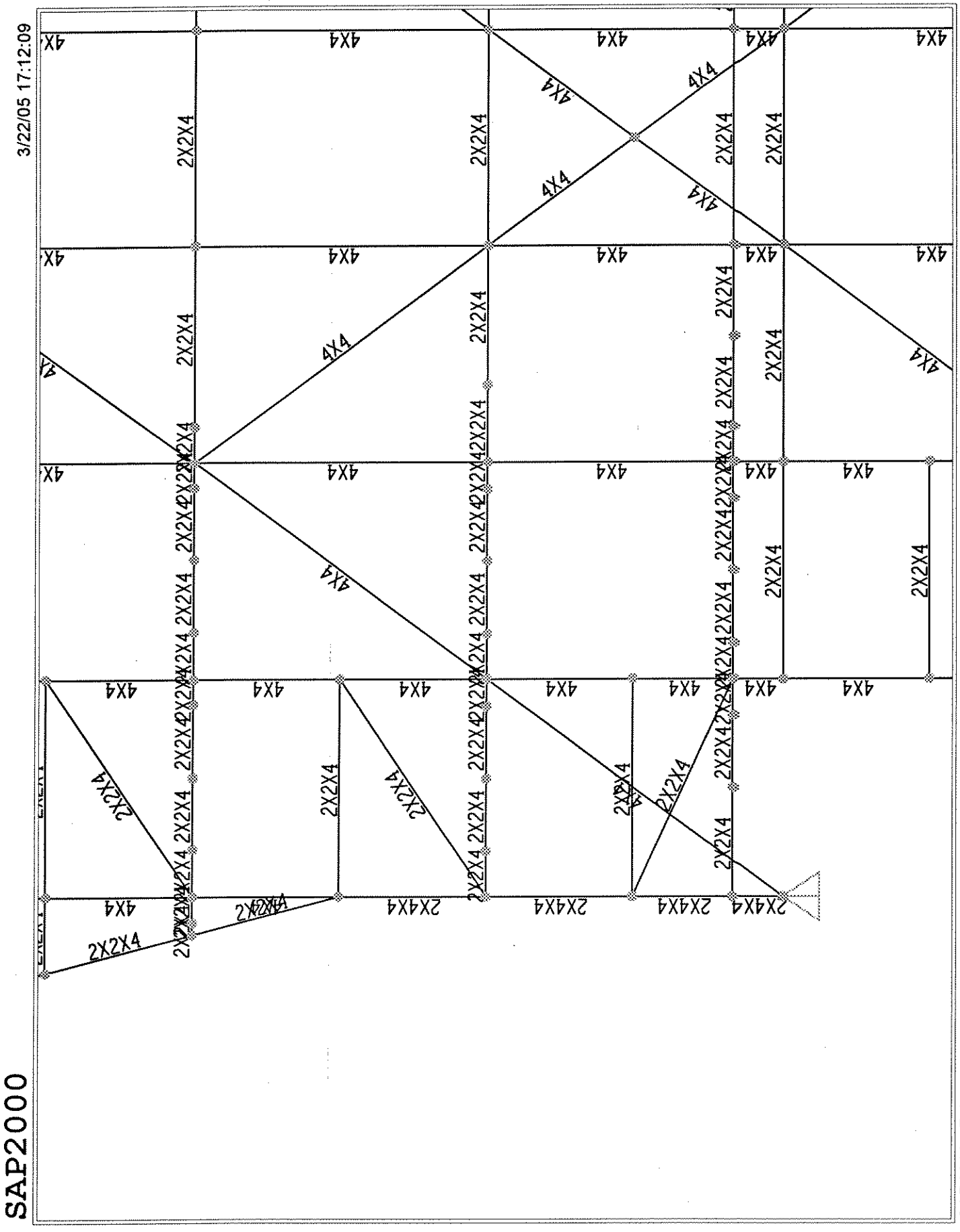
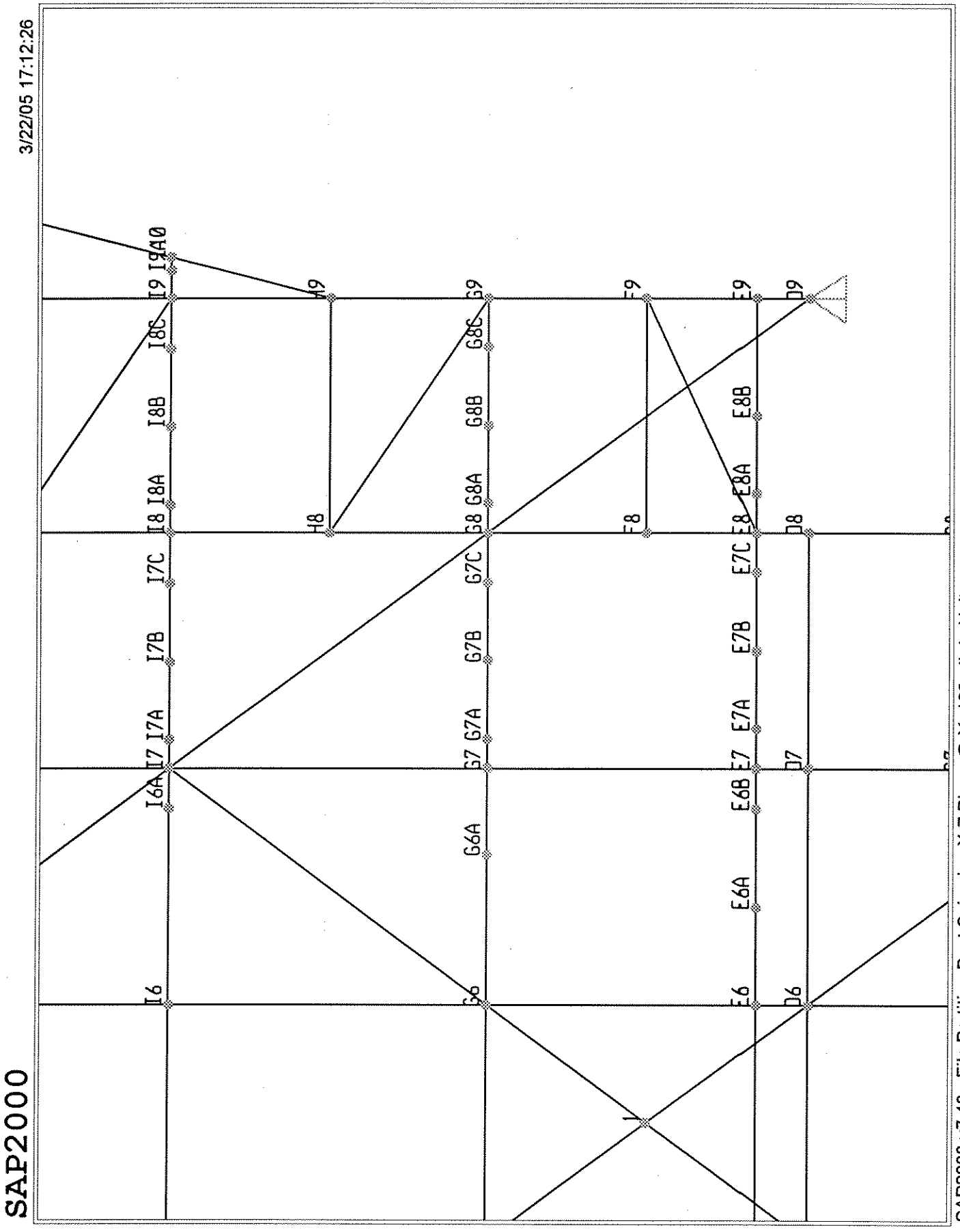
SAP2000 v7.40 - File:Partition Bent Seismic - X-Z Plane @ Y=120 - lb-in Units


3/22/05 17:12:09
SAP2000
2X2X4
4X4
SAP2000 v7.40 - File:Partition Bent Seismic - X-Z Plane @ Y=120 - lb-in Units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I8C
I8B
I8A
I8
I7C
I7B
I7A
I7
I6A
I6
H9
H8
G9
G8C
G8B
G8A
G8
G7C
G7B
G7A
G7
G6A
G6
F9
F8
E9
E8B
E8A
E8
E7C
E7B
E7A
E7
E6B
E6A
E6
D9
D8
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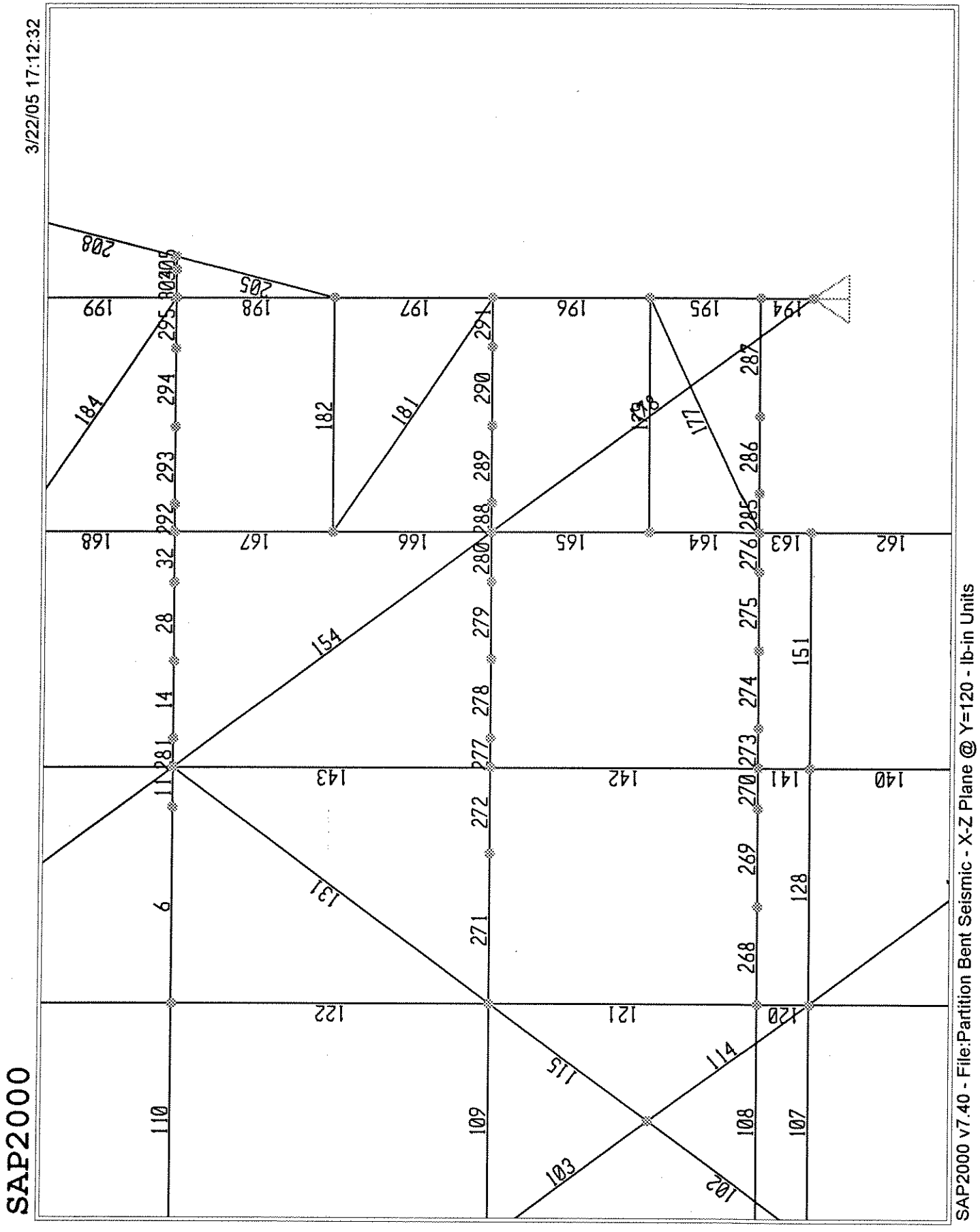
D6
SAP2000 v7.40 - File:Partition Bent Seismic - X-Z Plane @ Y=120 - lb-in Units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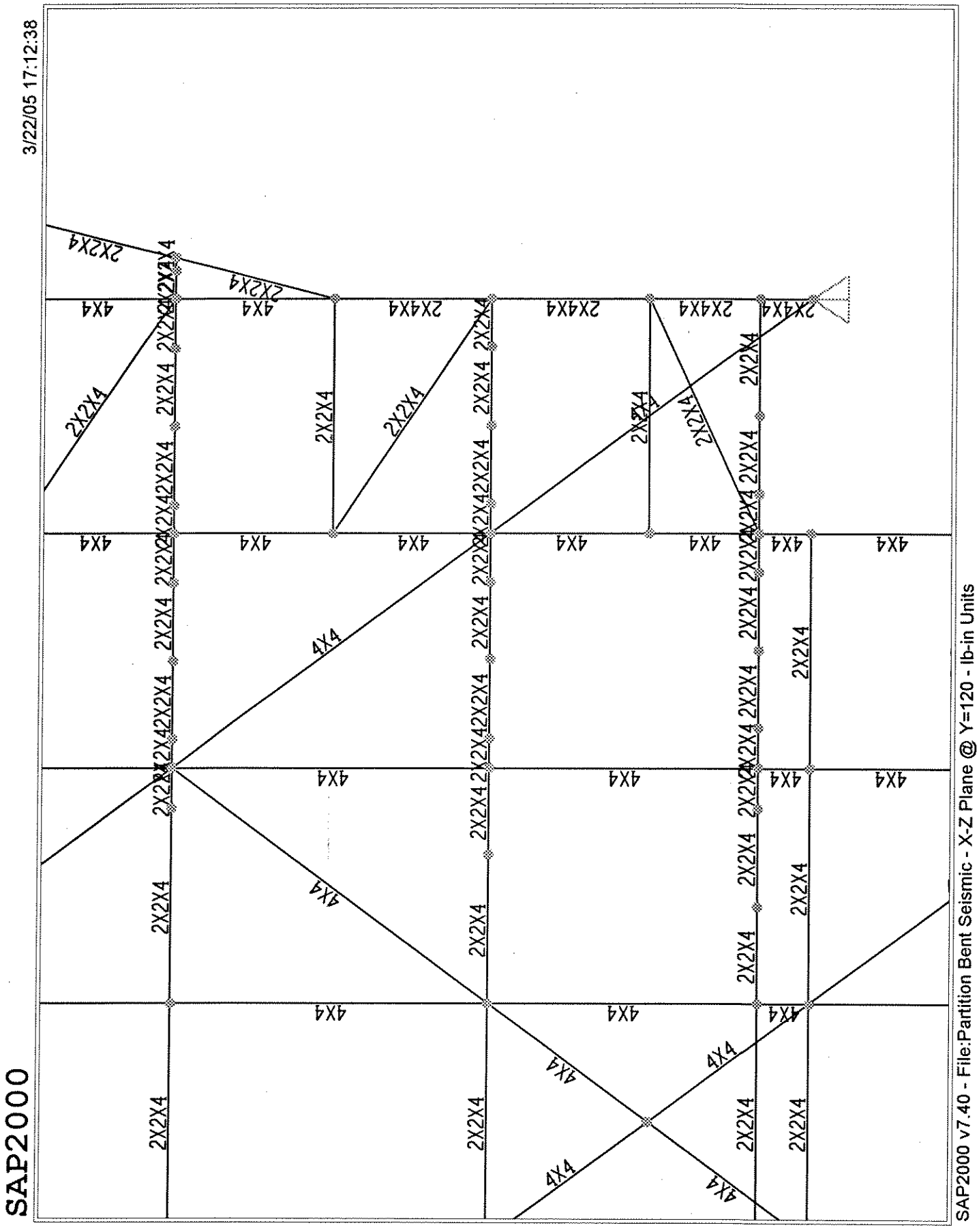
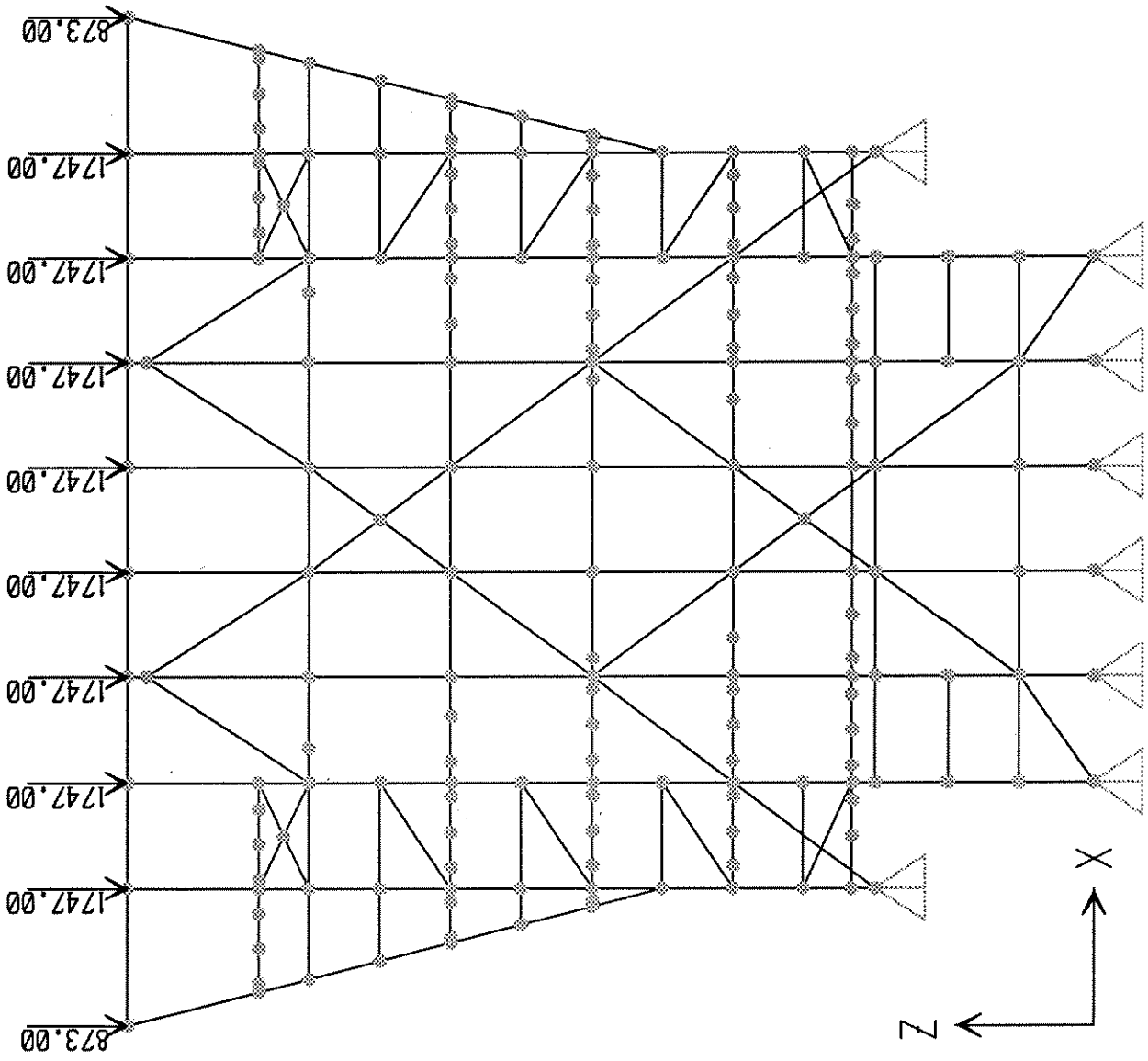

3/22/05 17:12:38
SAP2000
2X2X4
4X4
2X4X4
2X2X4
4X4
SAP2000 v7.40 - File:Partition Bent Seismic - X-Z Plane @ Y=120 - lb-in Units

4/5/05 20:15:38

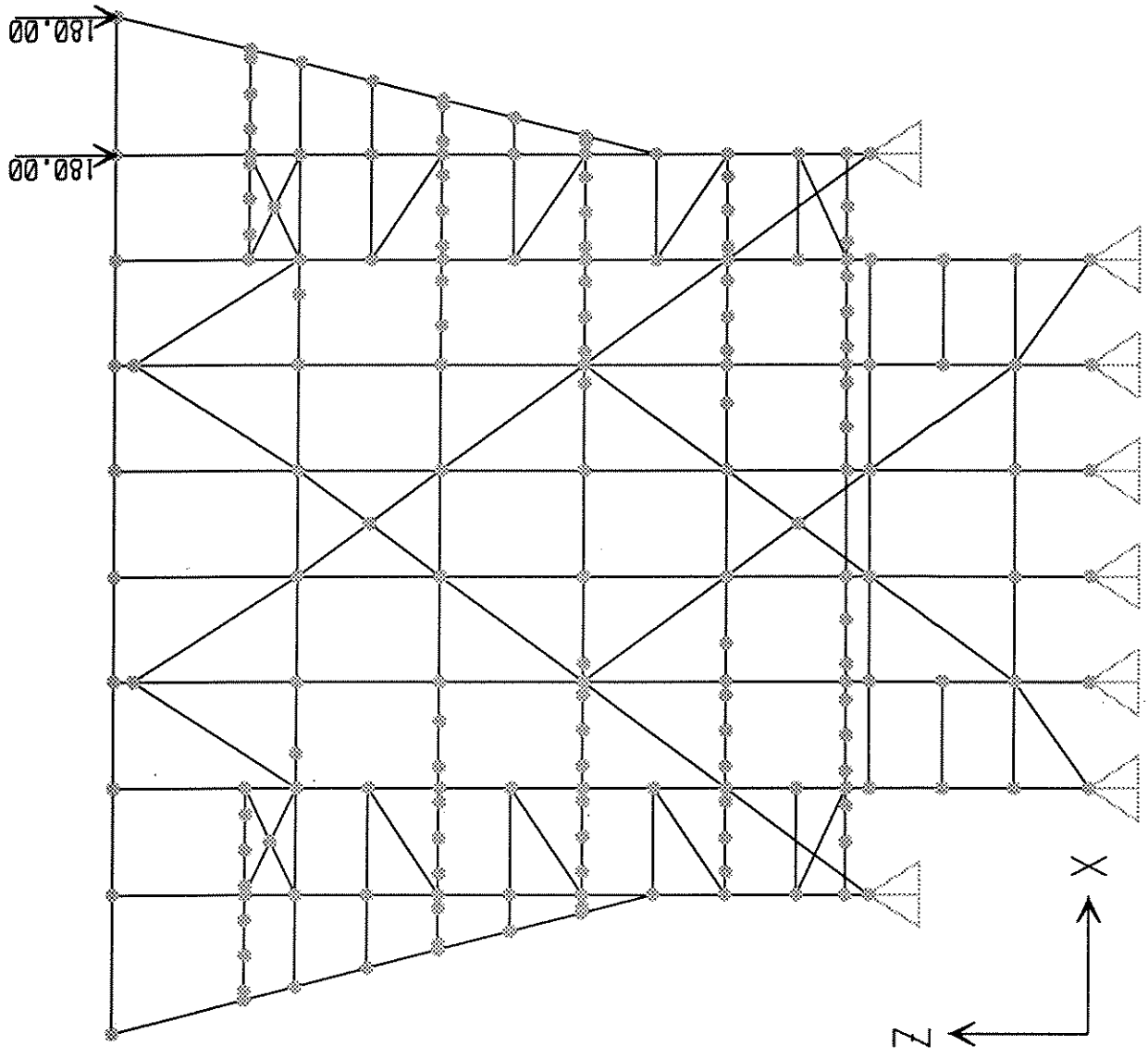


SAP2000

SAP2000 v7.40 - File:Partition Bent Seismic - Joint Loads (TOPCOVER) - lb-in Units

4/5/05 20:16:11

SAP2000



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4/5/05 20:15:25

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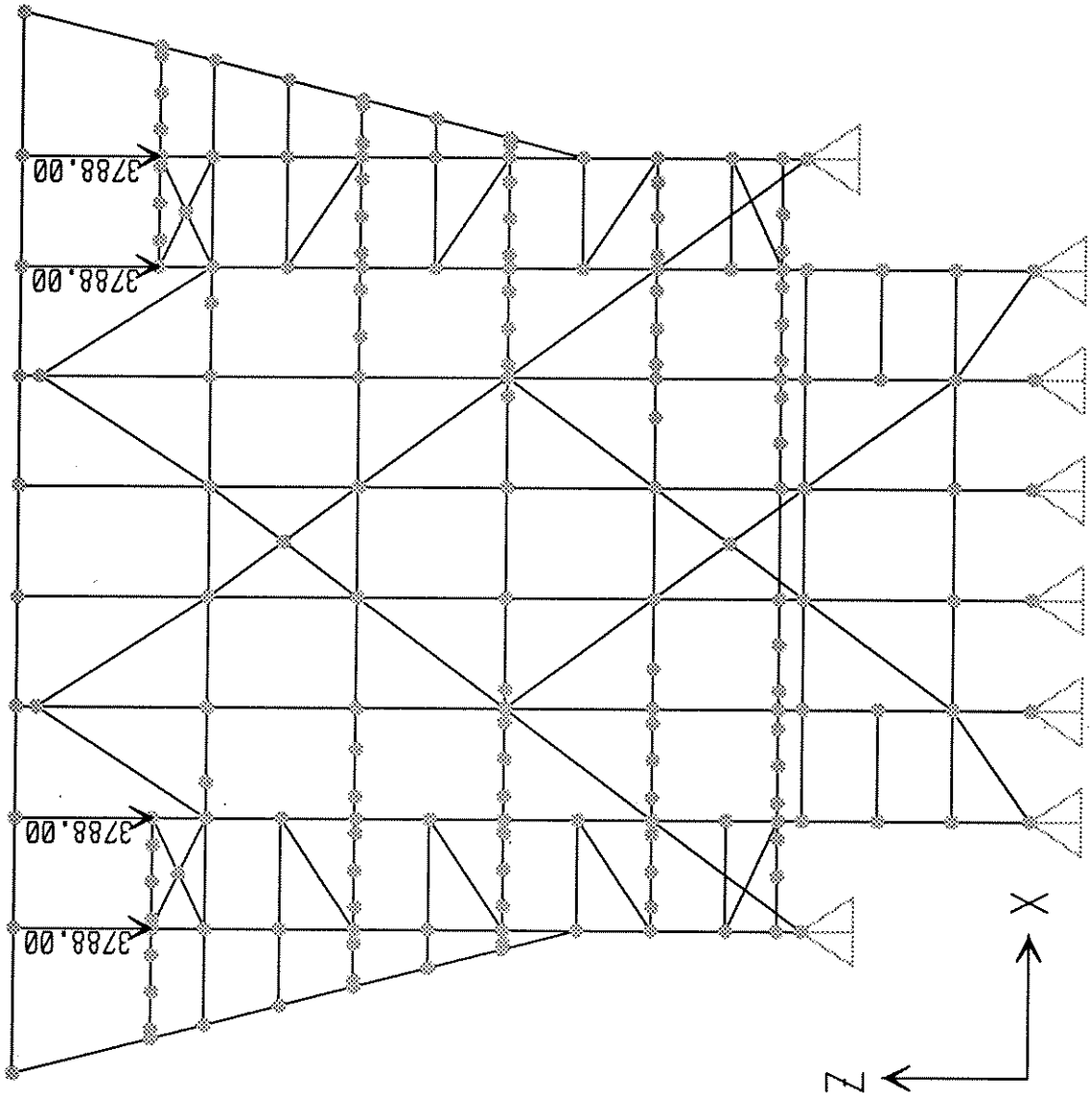

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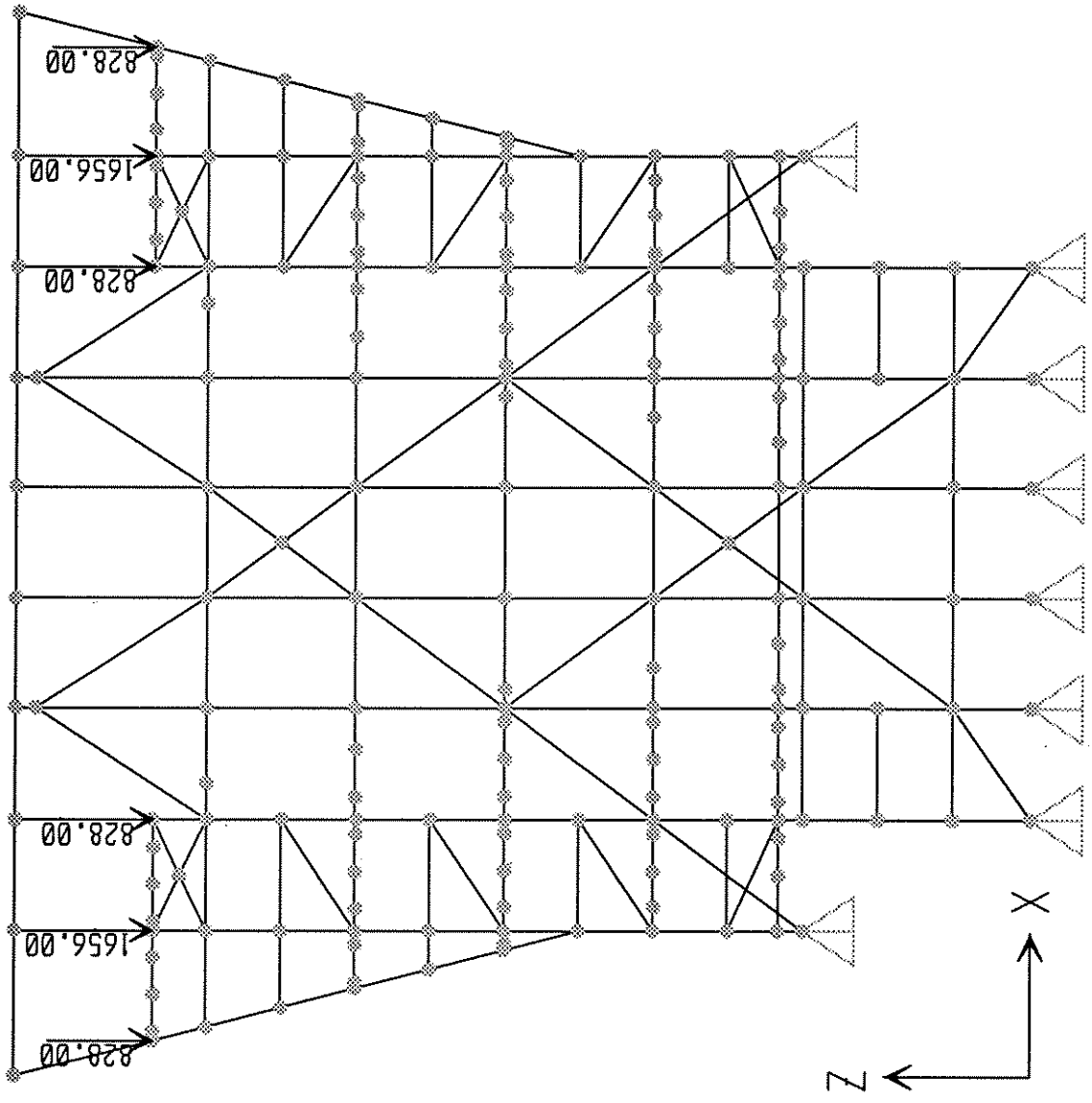
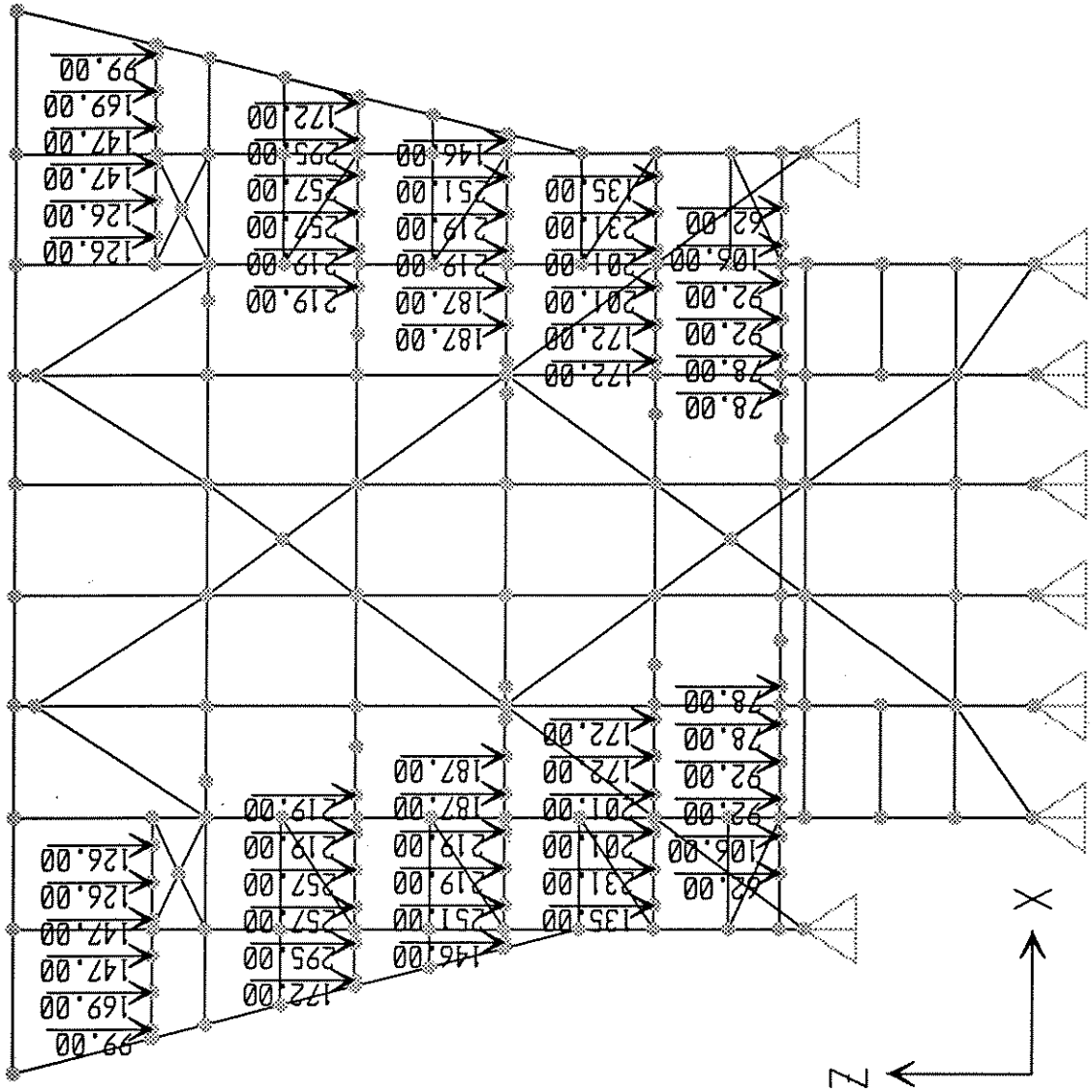


SAP2000

SAP2000 v7.40 - File:Partition Bent Seismic - Joint Loads (HOTBASIN) - lb-in Units

4/5/05 20:15:32



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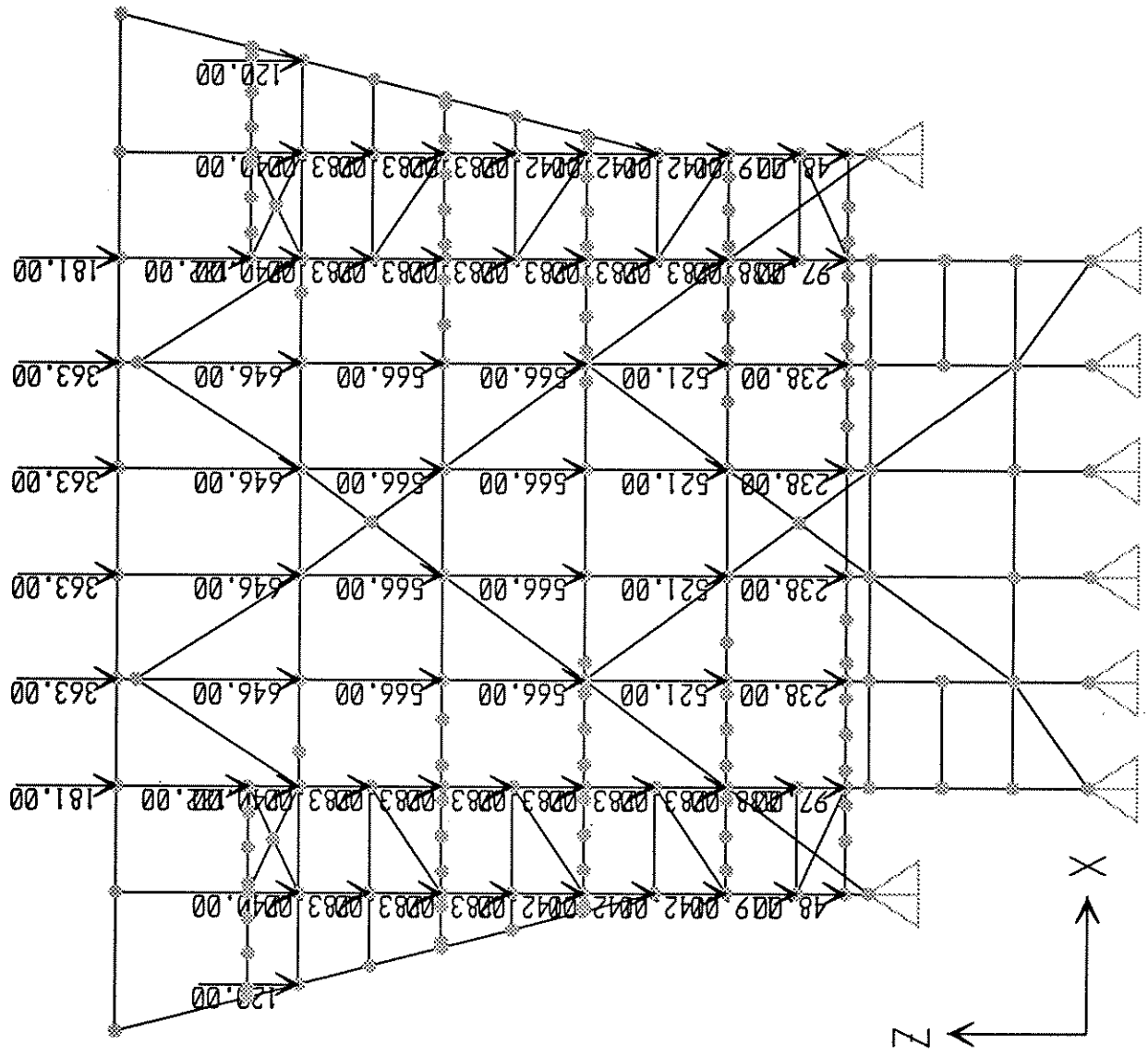
4/5/05 20:15:45



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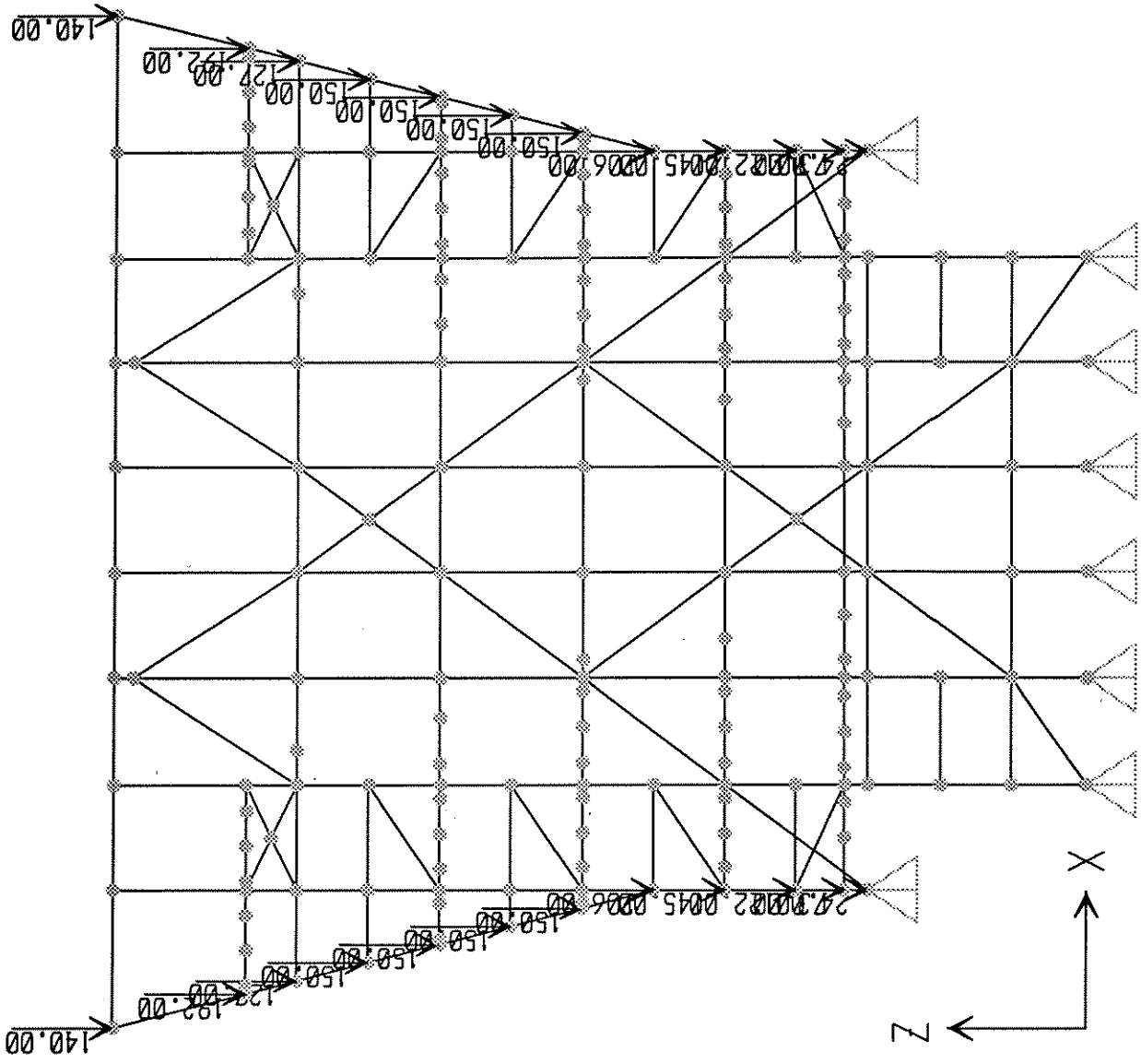
4/5/05 20:16:18



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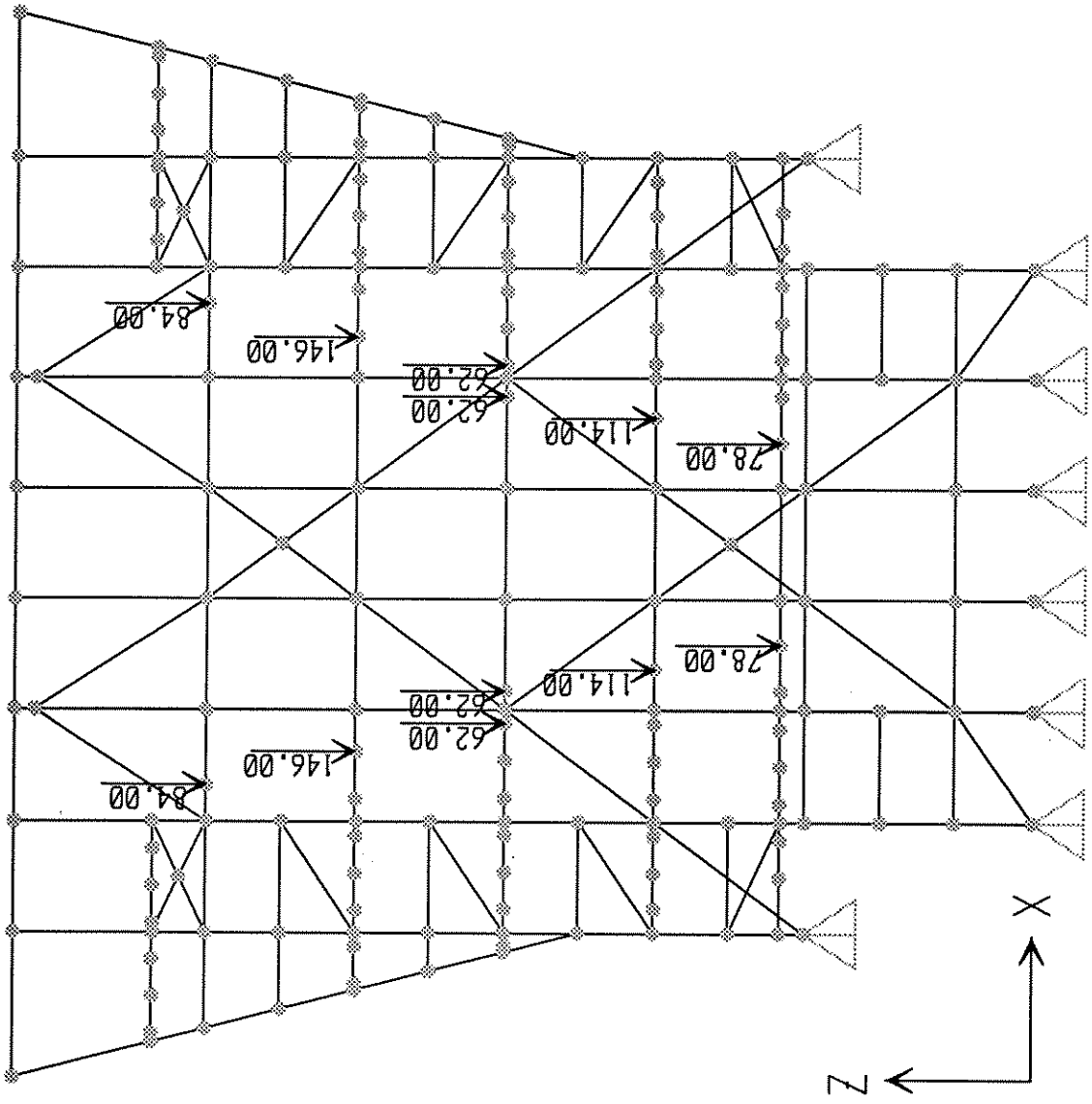
4/5/05 20:16:02



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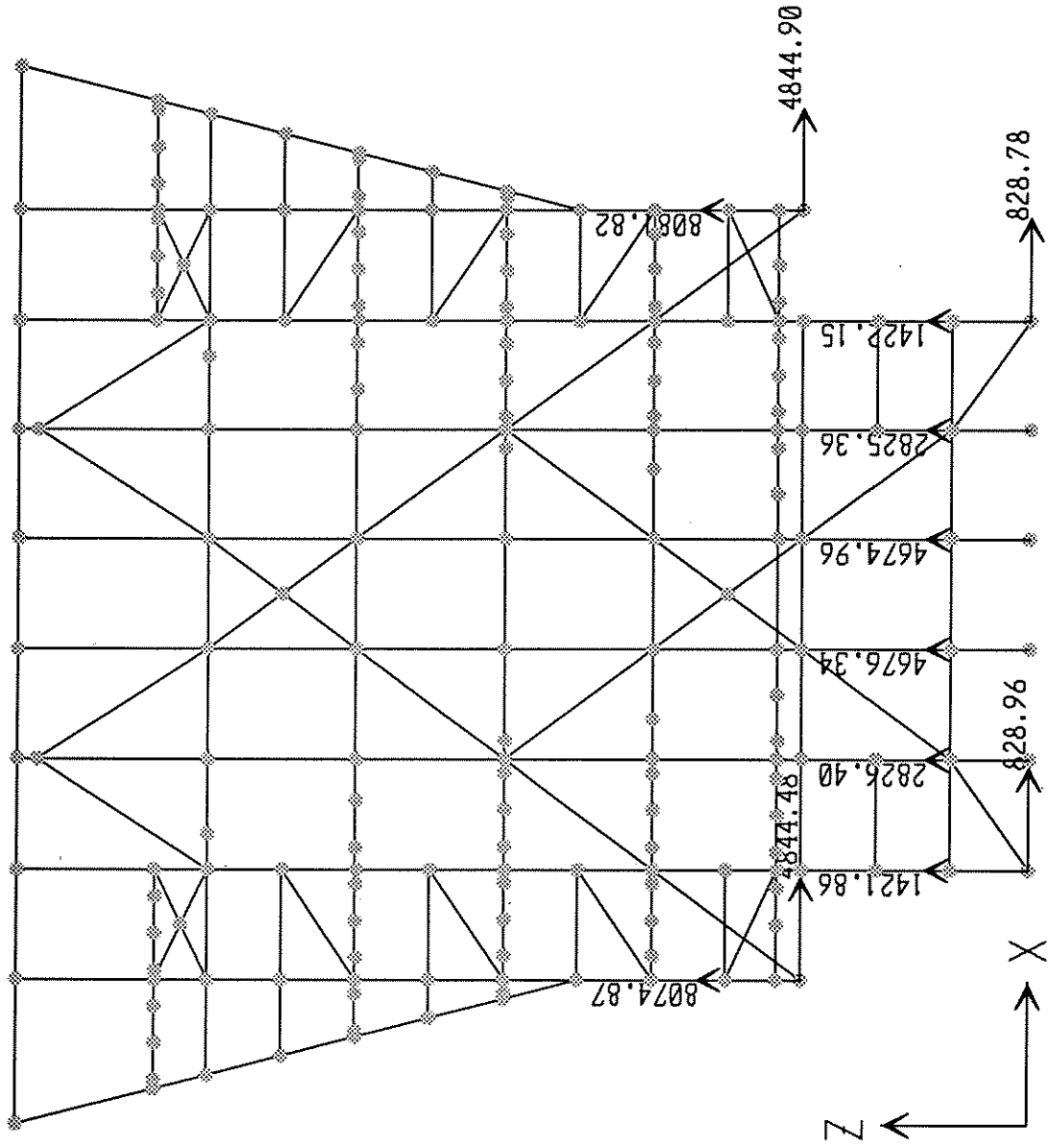
4/5/05 20:16:33



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4/5/05 20:17:22

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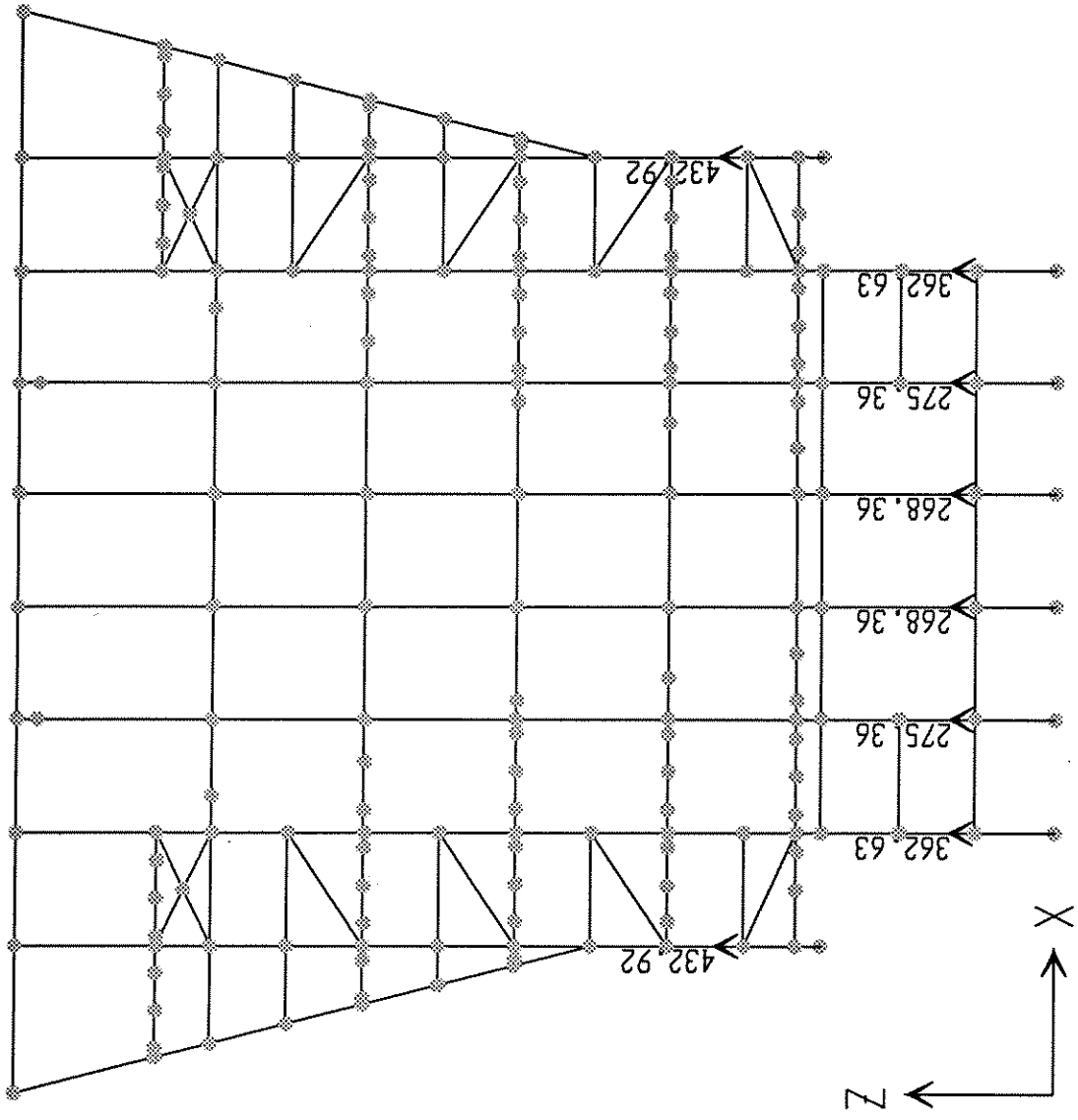

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4/5/05 20:17:36

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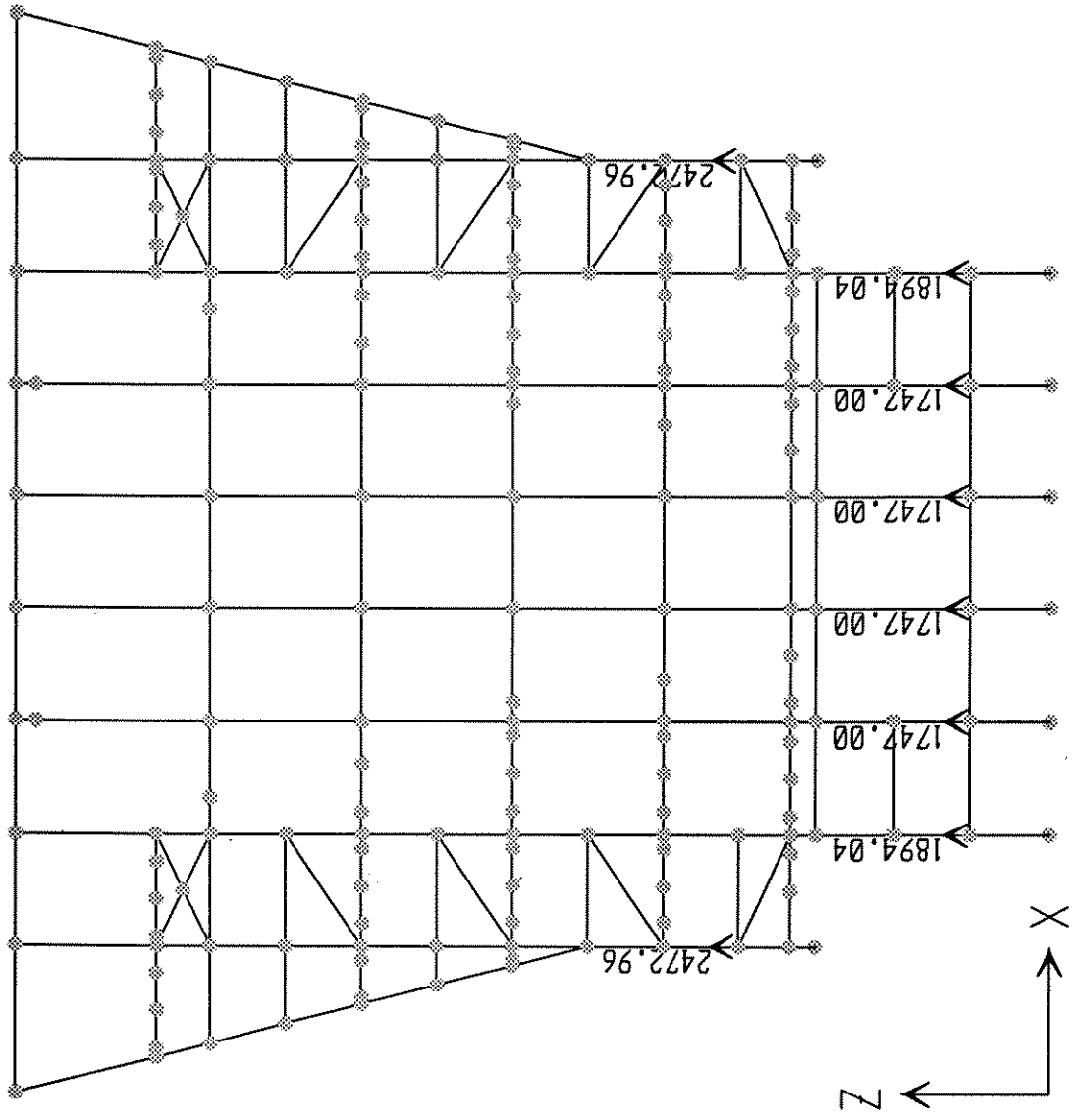

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4/5/05 20:17:57

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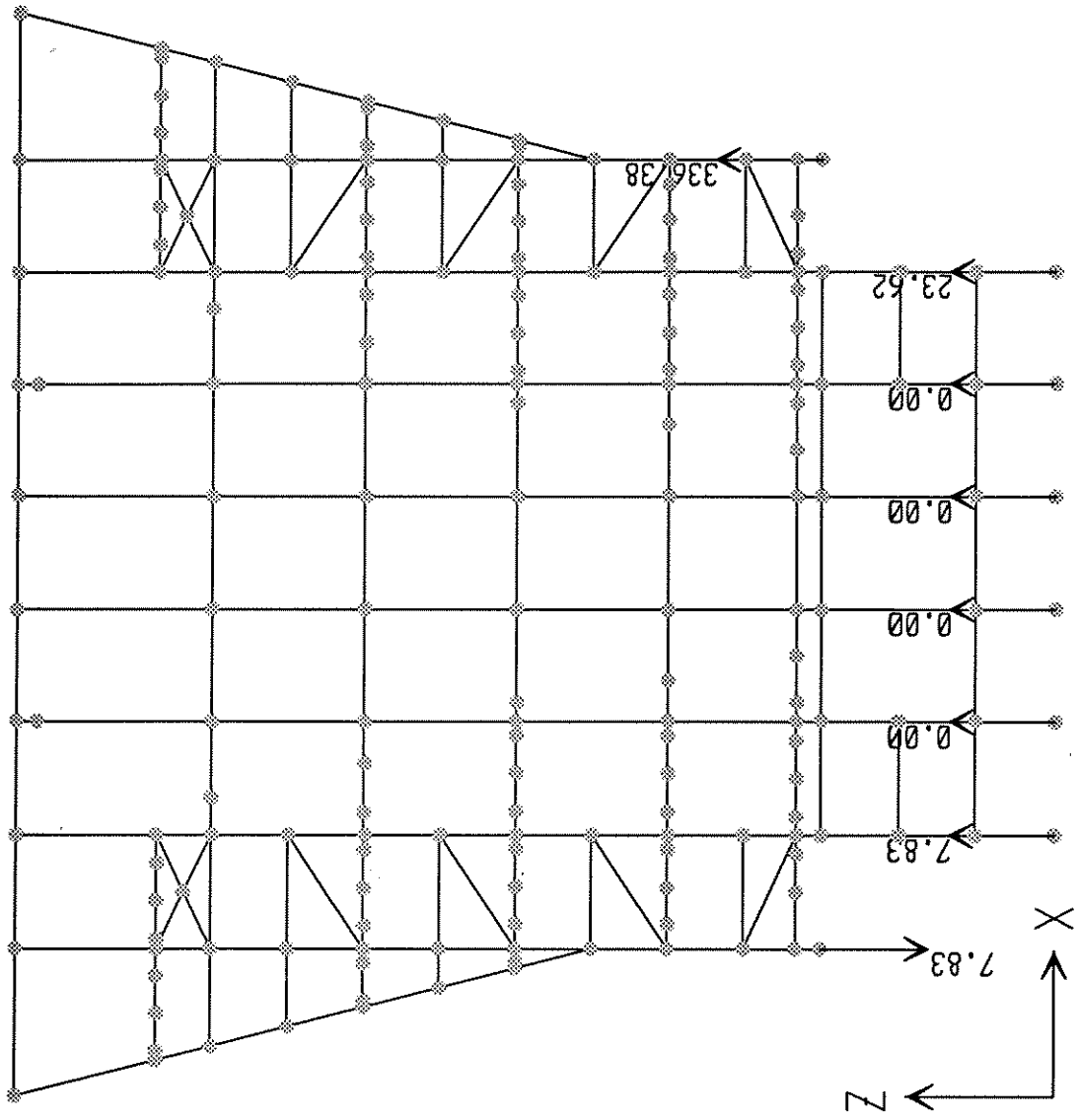

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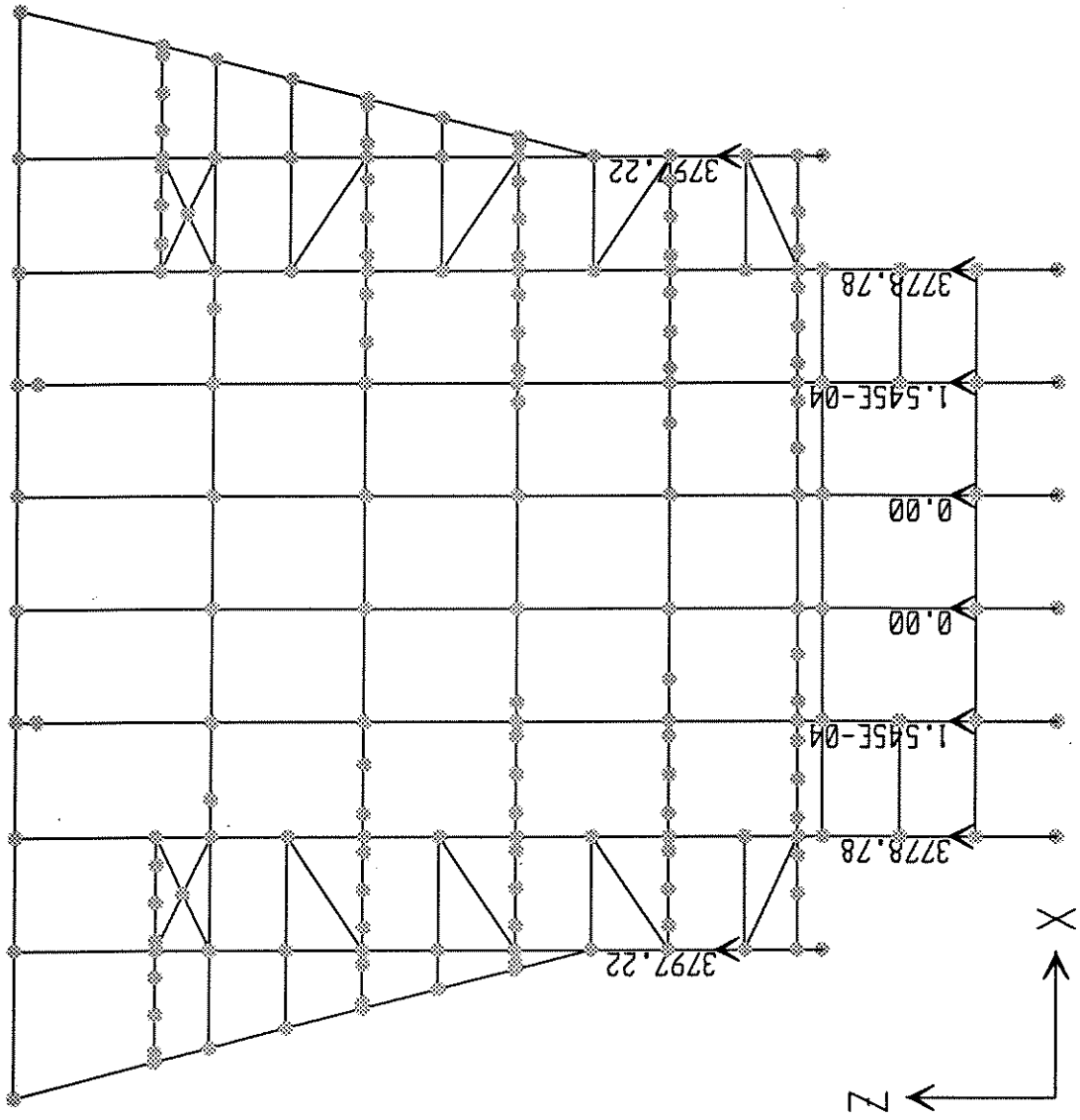
4/5/05 20:17:27



SAP2000

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4/5/05 20:17:43

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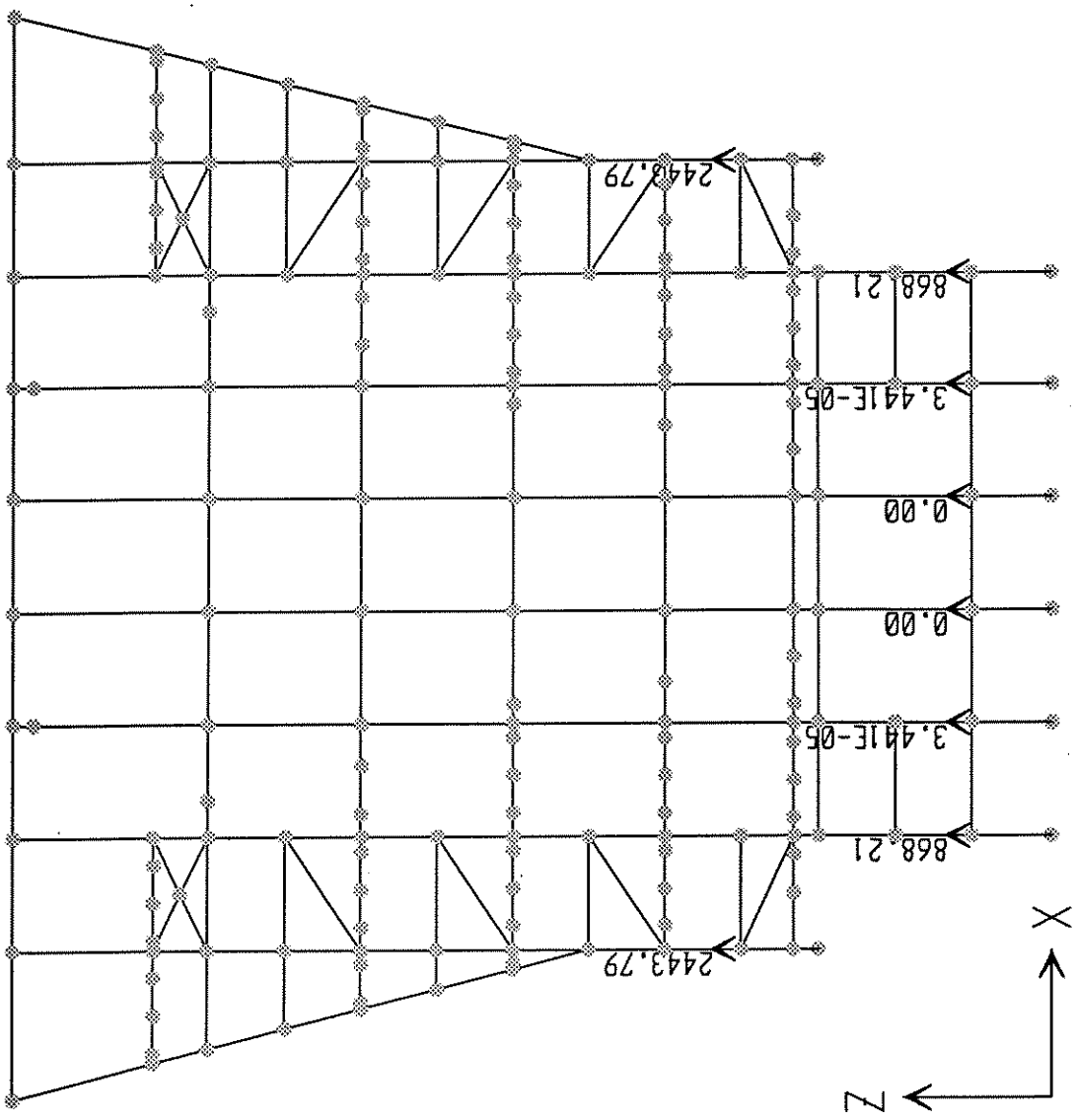

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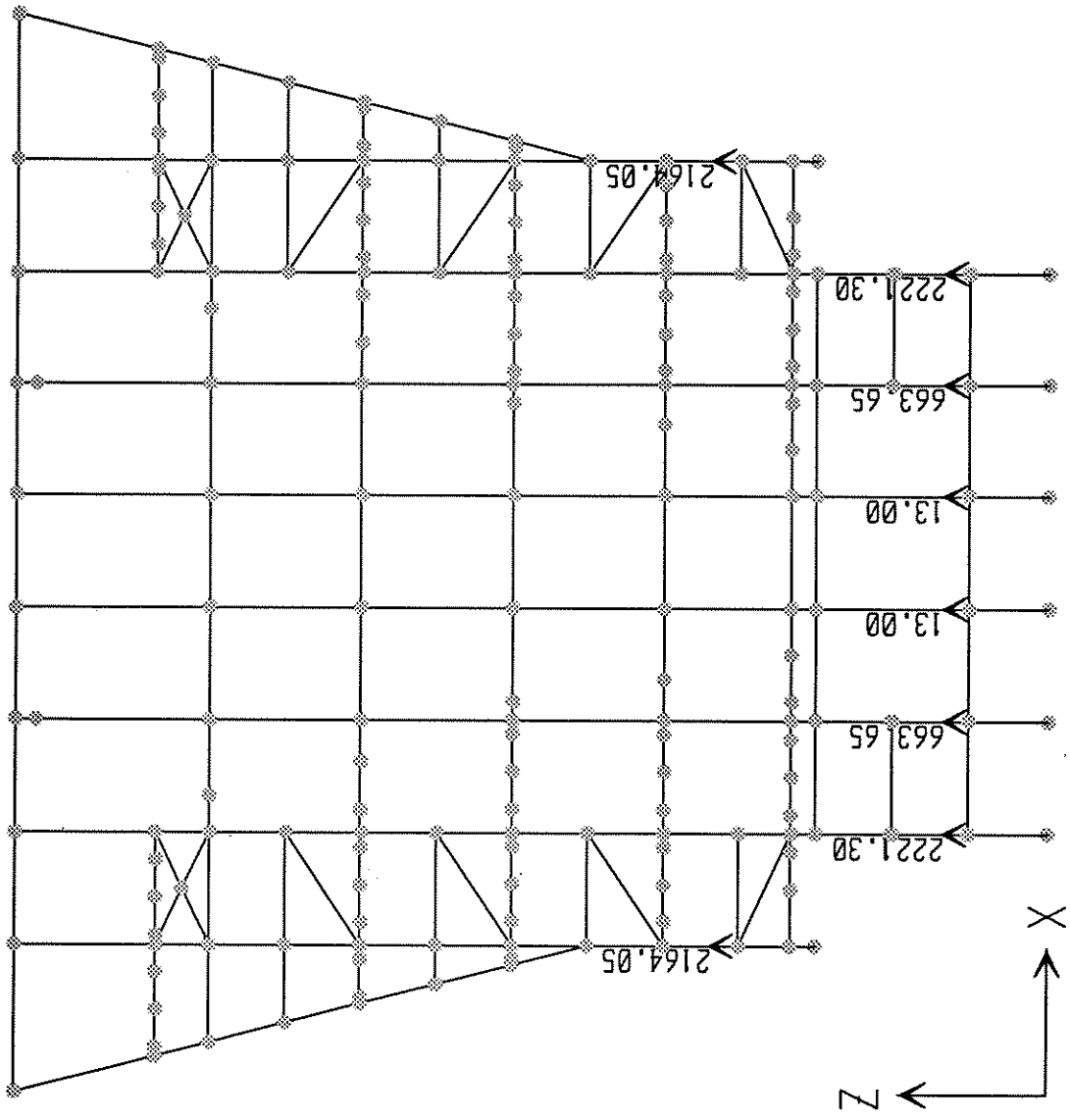
4/5/05 20:17:32

SAP2000



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4/5/05 20:17:40

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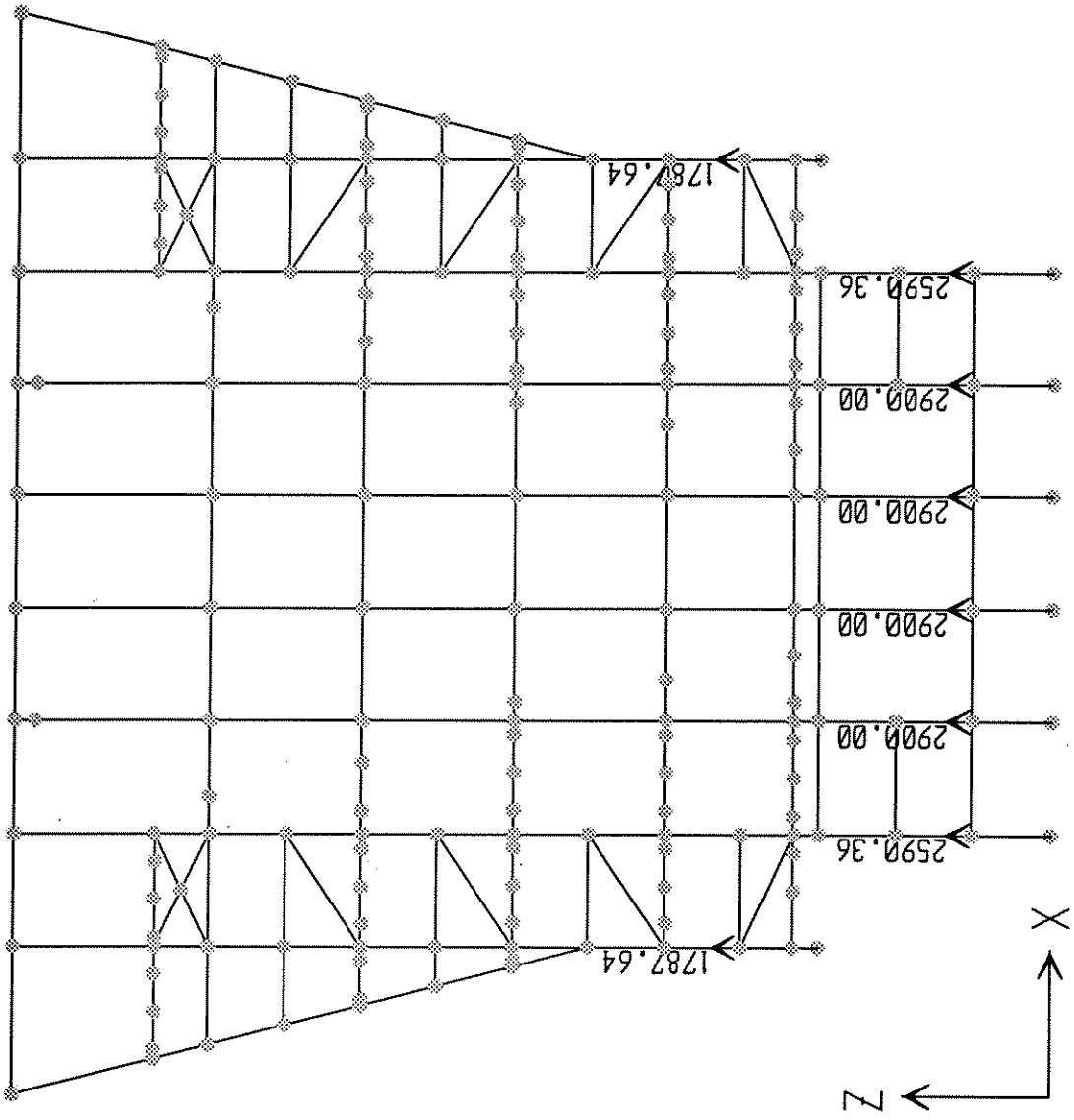
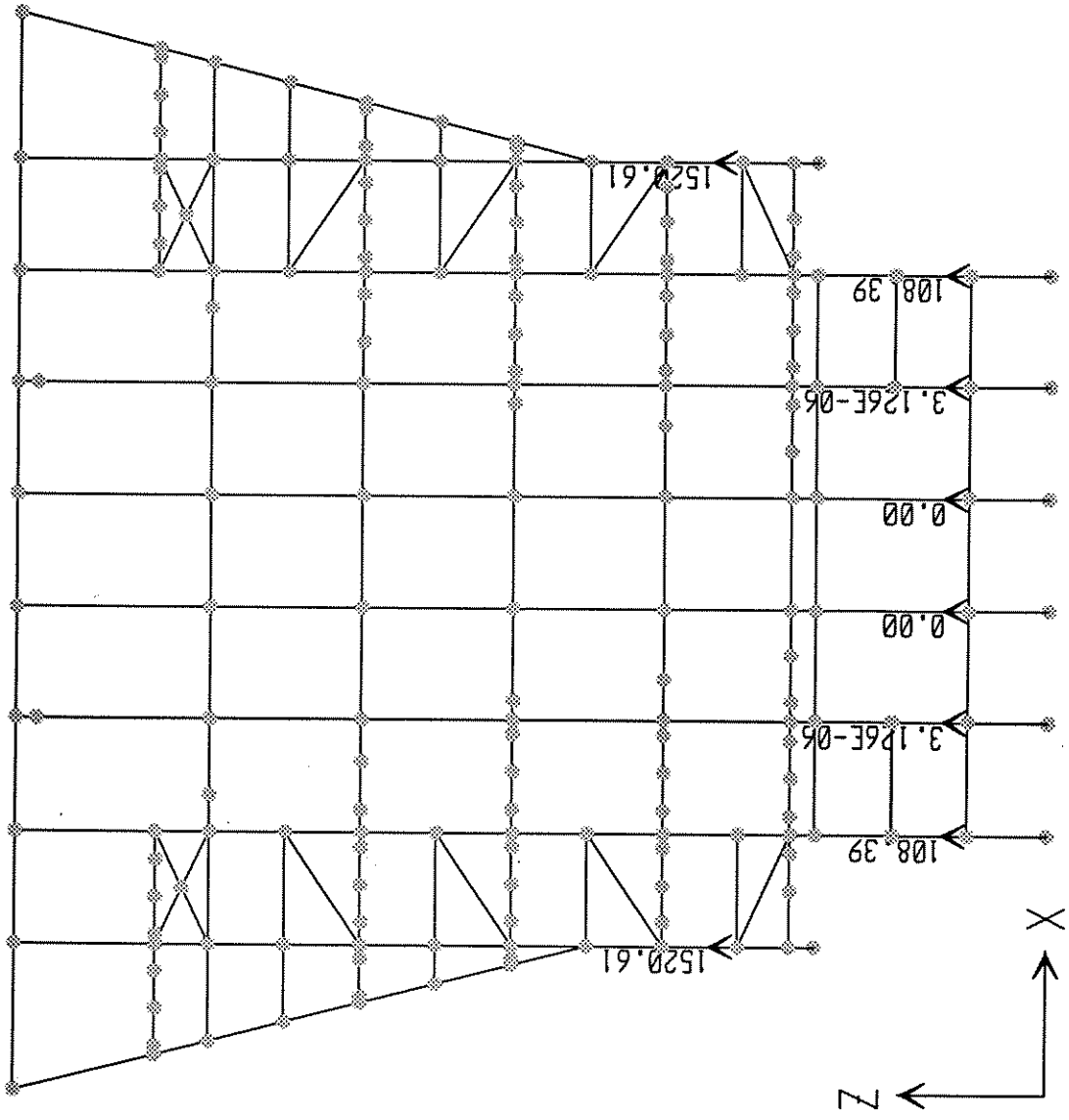


SAP2000 v7.40 - File:Partition Bent DL - Restraint Reactions (PEWALLS) - lb-in Units

4/5/05 20:18:11



SAP2000

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4/5/05 20:17:47

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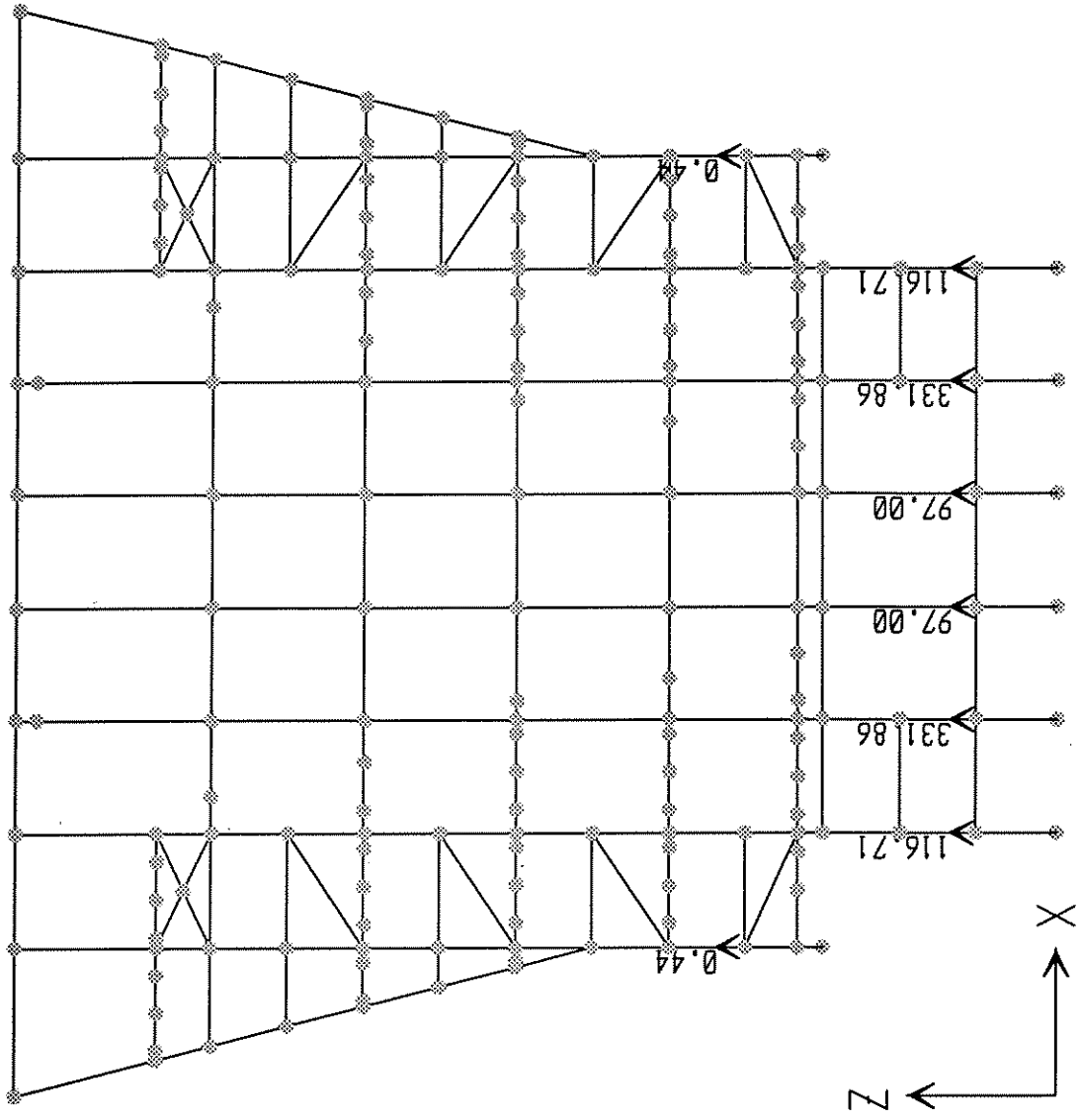

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4/5/05 20:18:19

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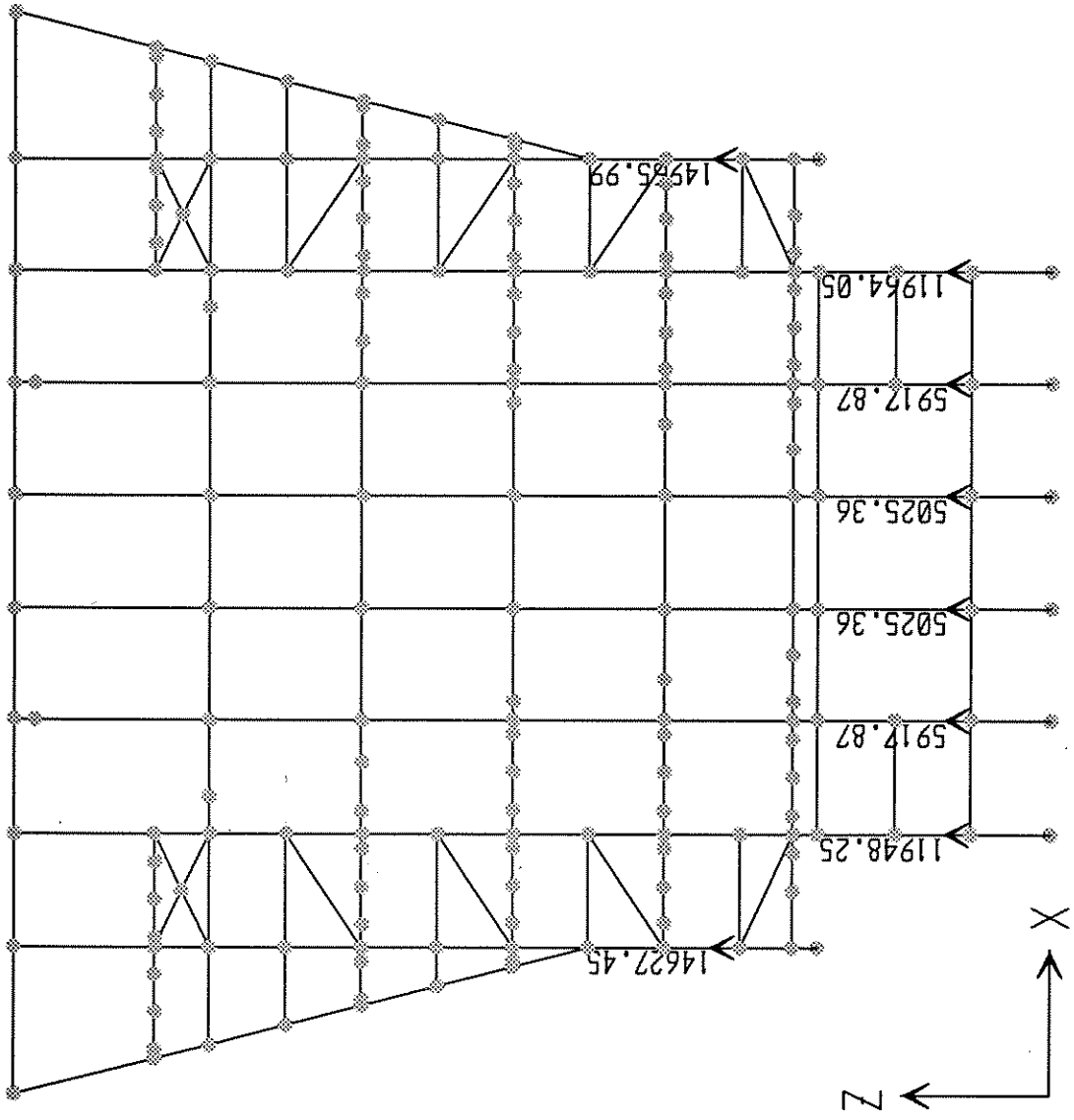

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4/5/05 20:16:44

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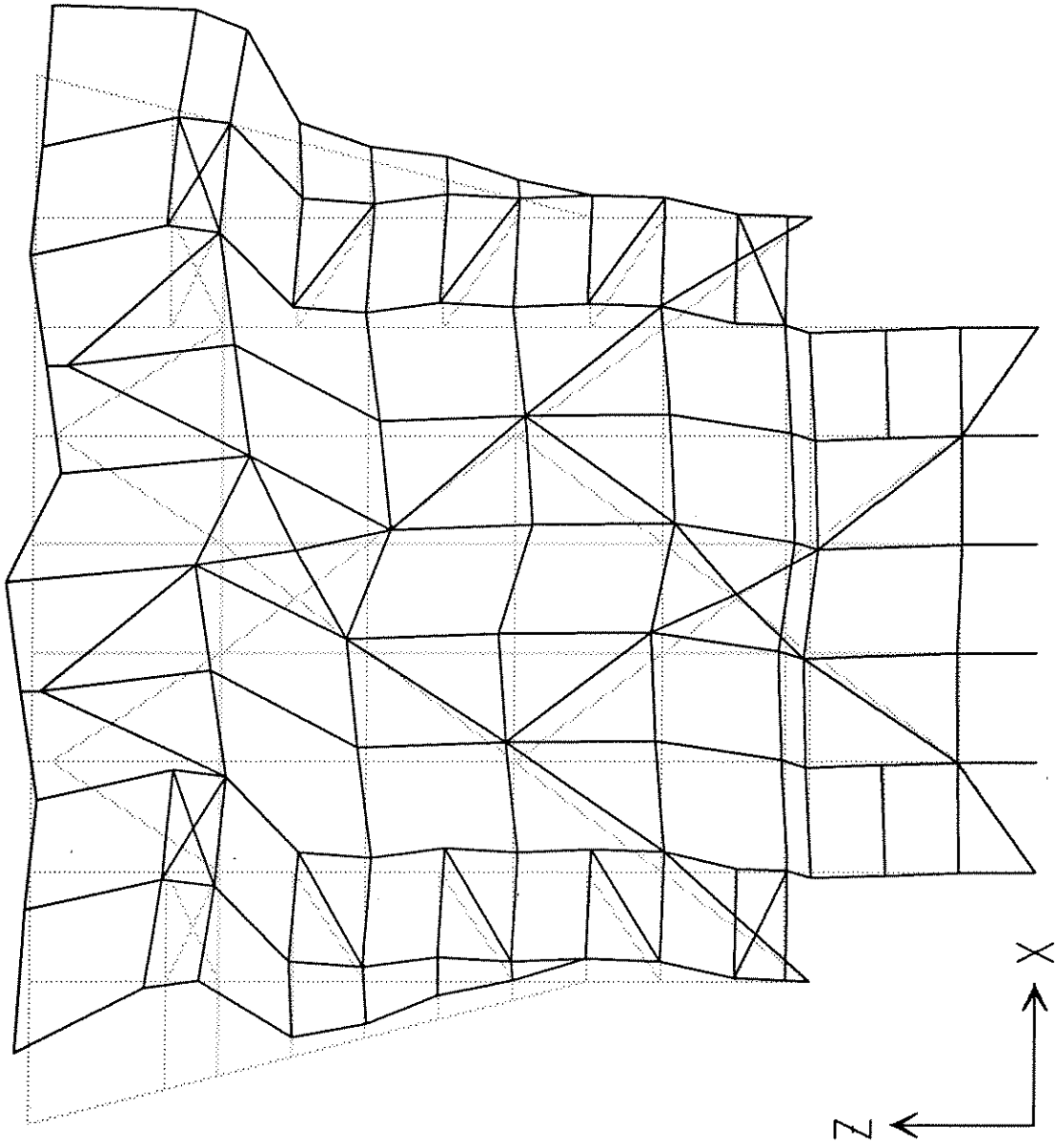

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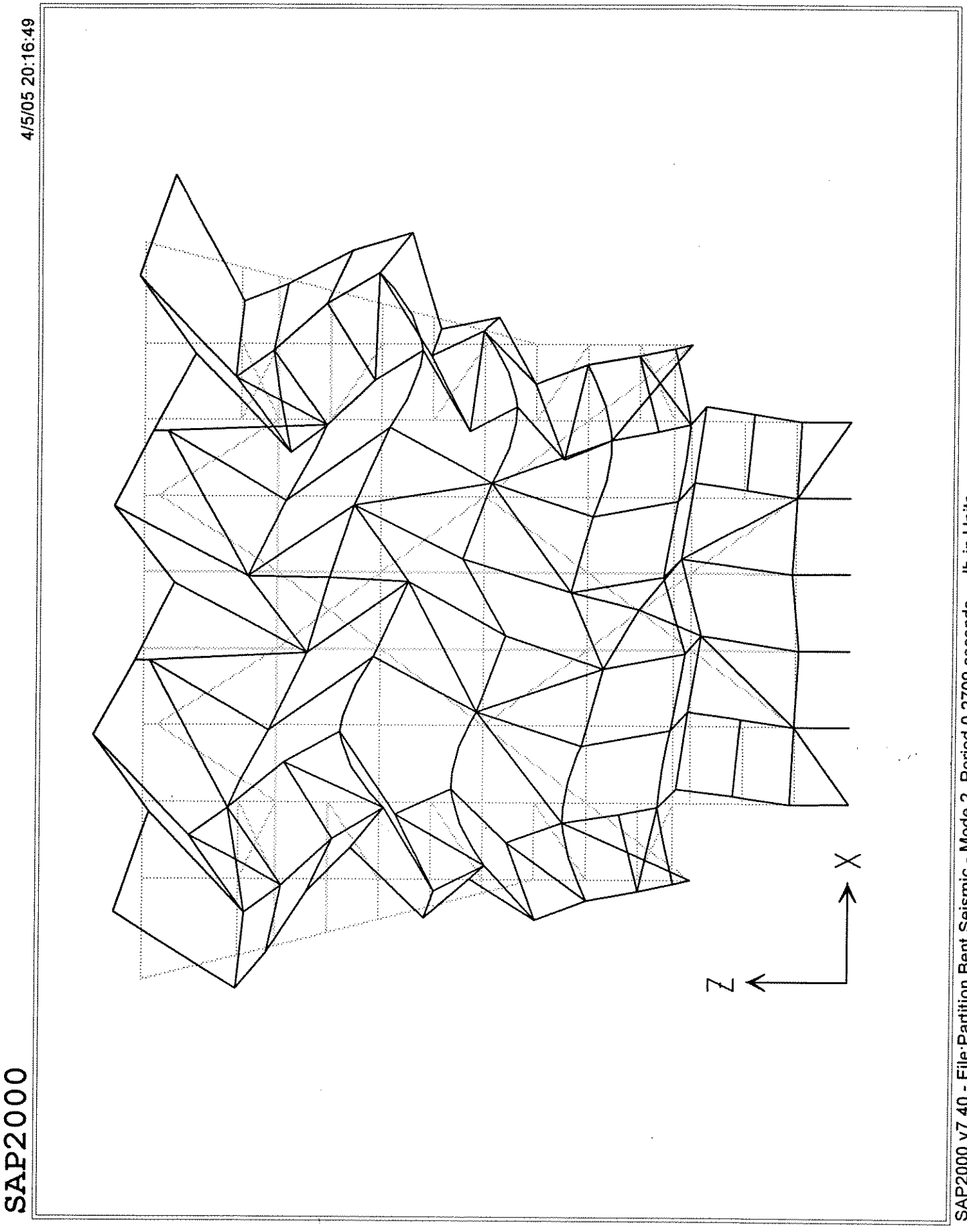
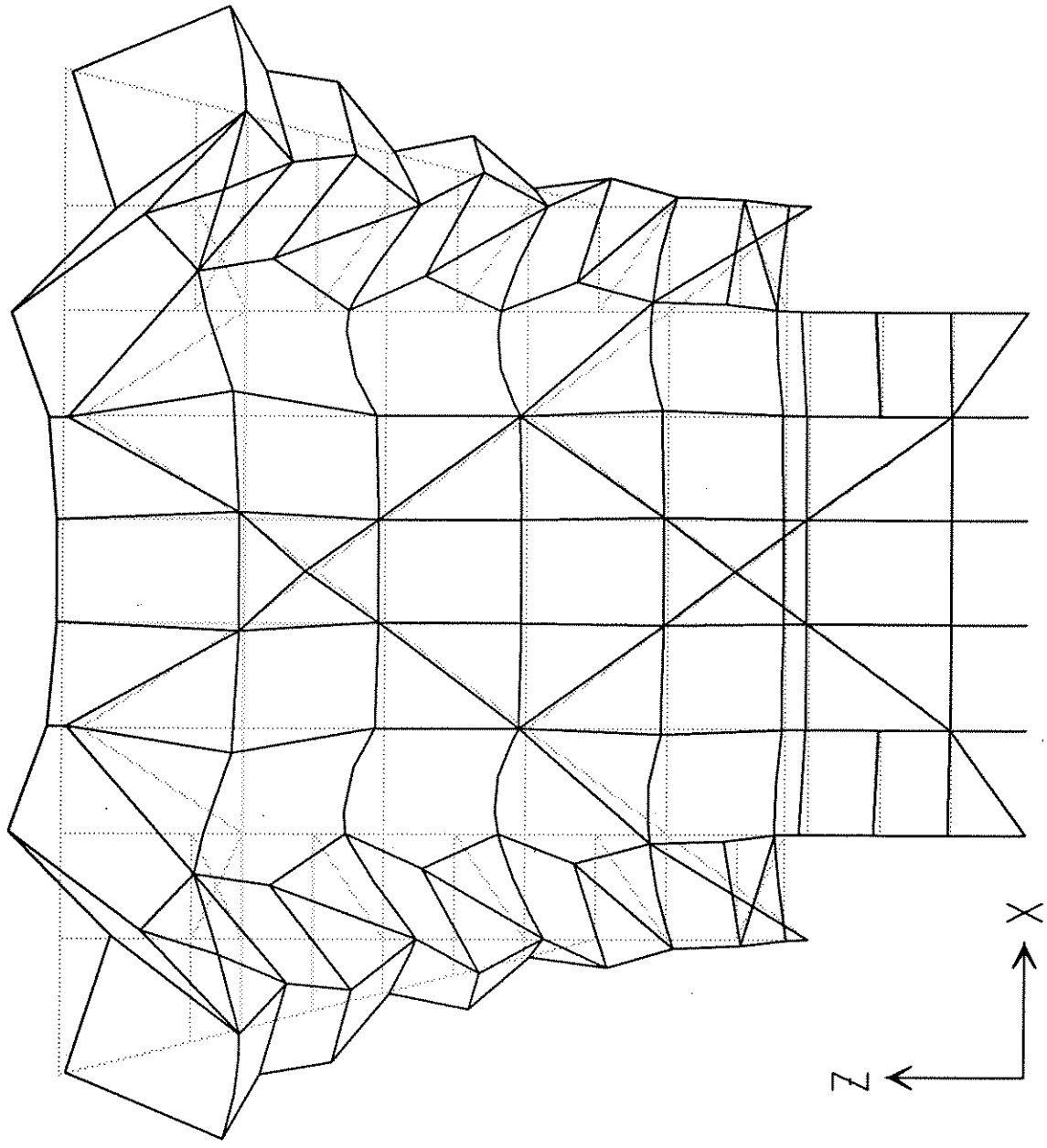

SAP2000
4/5/05 20:16:49
Z
X
SAP2000 v7.40 - File:Partition Bent Seismic - Mode 2 Period 0.2709 seconds - lb-in Units

4/5/05 20:16:53

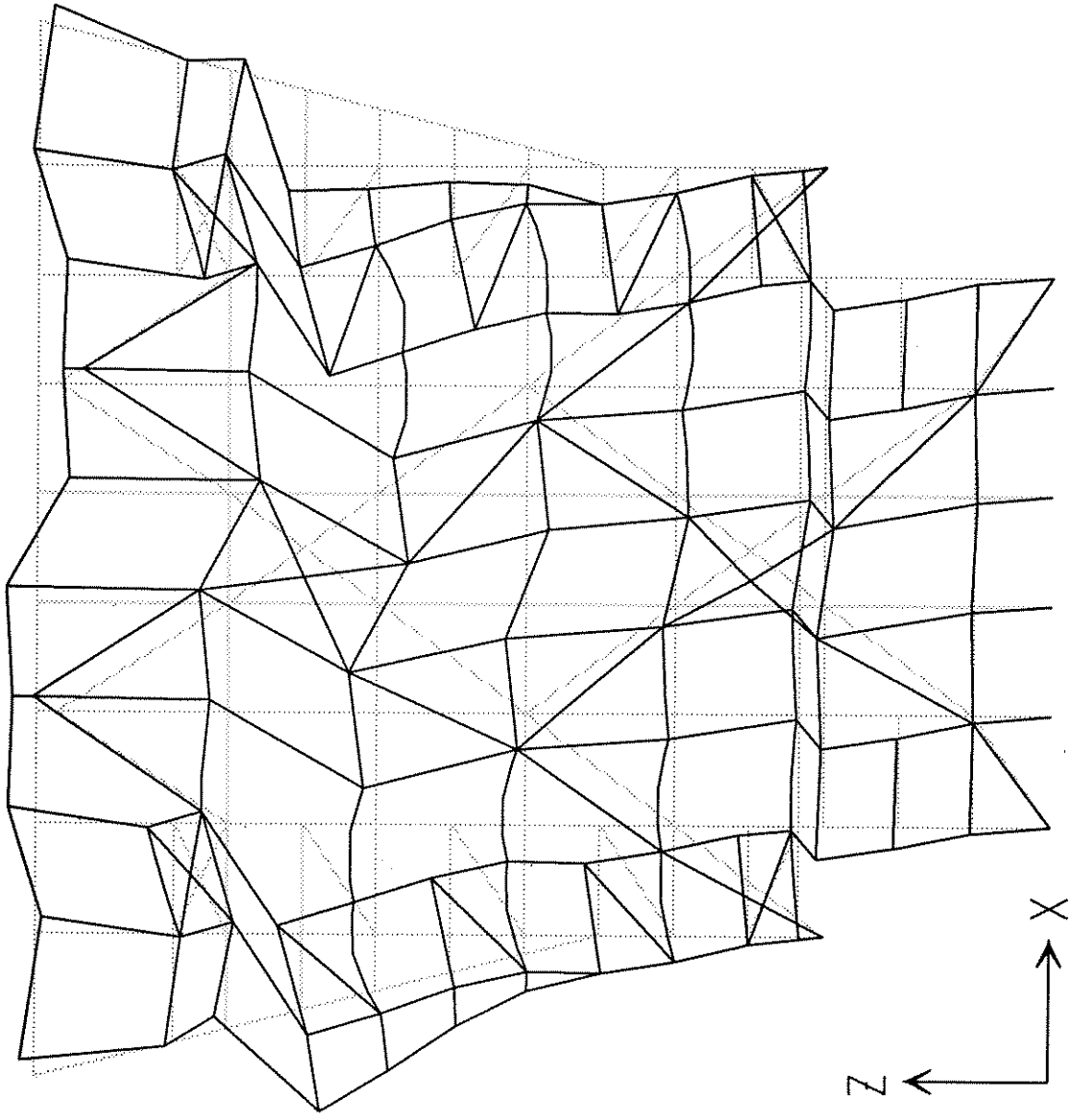
SAP2000



SAP2000 v7.40 - File:Partition Bent Seismic - Mode 3 Period 0.2056 seconds - lb-in Units

4/5/05 20:16:55

SAP2000



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4/5/05 20:16:58

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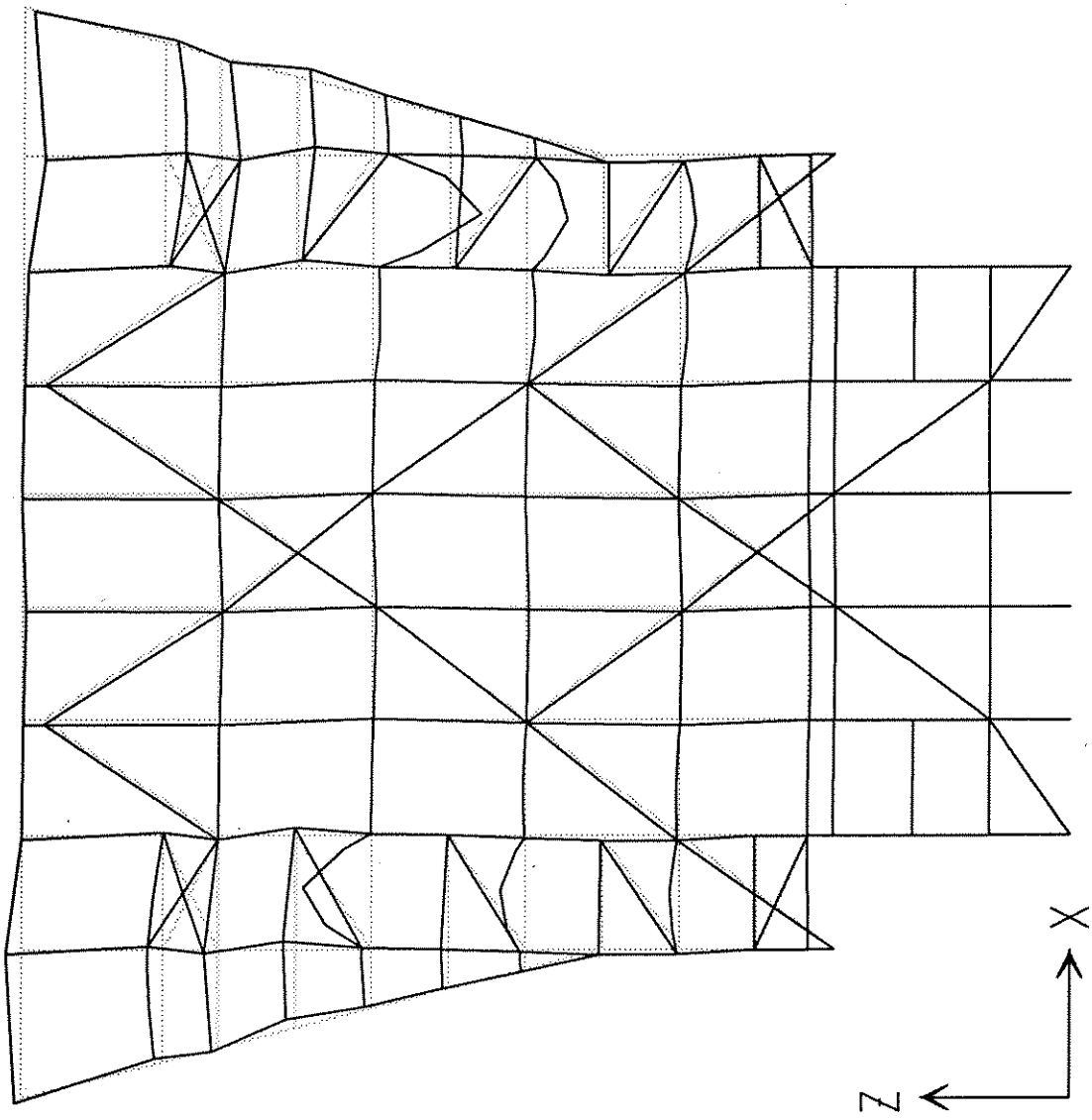

SAP2000 v7.40 - File:Partition Bent Seismic - Mode 5 Period 0.1511 seconds - lb-in Units

S A P 2 0 0 0

Structural Analysis Programs

Version 7.40

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C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES

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It is the responsibility of the user to verify all
results produced by this program

5 Apr 2005 18:48:37

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 1
PROGRAM:SAP2000/FILE:\BentADL.EKO

S Y S T E M D A T A

STEADY STATE LOAD FREQUENCY - - - - - - - - 0.0000E+00

LENGTH UNITS - - - - - - - - - - - - - - - - - IN
FORCE UNITS - - - - - - - - - - - - - - - - - LB

UP DIRECTION - - - - - - - - - - - - - - - - - +Z

GLOBAL DEGREES OF FREEDOM - - - - - - - - - - UX
- - - - - - - - - - UZ
- - - - - - - - - - RY

PAGINATION BY - - - - - - - - - - - - - - - - - SECTIONS
NUMBER OF LINES PER PAGE - - - - - - - - - - - 59
INCLUDE WARNING MESSAGES IN OUTPUT FILE - - Y

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 2
PROGRAM:SAP2000/FILE:\BentADL.EKO

G E N E R A T E D J O I N T C O O R D I N A T E S

JOINT	X	Y	Z
A2	72.000	120.000	0.000
A3	144.000	120.000	0.000
A4	216.000	120.000	0.000
A5	288.000	120.000	0.000
A6	360.000	120.000	0.000
A7	432.000	120.000	0.000
A8	504.000	120.000	0.000
A9	576.000	120.000	0.000
B2	72.000	120.000	60.500
B3	144.000	120.000	60.500

B4	216.000	120.000	60.500
B5	288.000	120.000	60.500
B6	360.000	120.000	60.500
B7	432.000	120.000	60.500
B8	504.000	120.000	60.500
B9	576.000	120.000	60.500
C2	72.000	120.000	122.500
C3	144.000	120.000	122.500
C4	216.000	120.000	122.500
C5	288.000	120.000	122.500
C6	360.000	120.000	122.500
C7	432.000	120.000	122.500
C8	504.000	120.000	122.500
C9	576.000	120.000	122.500
D1	0.000	120.000	144.000
F1	0.000	120.000	219.000
F2	72.000	120.000	219.000
F3	144.000	120.000	219.000
F4	216.000	120.000	219.000
F5	288.000	120.000	219.000
F6	360.000	120.000	219.000
F7	432.000	120.000	219.000
F8	504.000	120.000	219.000
F9	576.000	120.000	219.000
H1	0.000	120.000	315.000
H2	72.000	120.000	315.000
H3	144.000	120.000	315.000
H4	216.000	120.000	315.000
H5	288.000	120.000	315.000
H6	360.000	120.000	315.000
H7	432.000	120.000	315.000
H8	504.000	120.000	315.000
H9	576.000	120.000	315.000
J1	0.000	120.000	411.000
J2	72.000	120.000	411.000
J3	144.000	120.000	411.000
J4	216.000	120.000	411.000
J5	288.000	120.000	411.000
J6	360.000	120.000	411.000
J7	432.000	120.000	411.000
J8	504.000	120.000	411.000
J9	576.000	120.000	411.000
L1	0.000	120.000	507.000
L2	72.000	120.000	507.000
L3	144.000	120.000	507.000
L4	216.000	120.000	507.000
L5	288.000	120.000	507.000
L6	360.000	120.000	507.000
L7	432.000	120.000	507.000
L8	504.000	120.000	507.000
L9	576.000	120.000	507.000
M1	0.000	120.000	555.000
M2	72.000	120.000	555.000
M3	144.000	120.000	555.000
M4	216.000	120.000	555.000
M5	288.000	120.000	555.000
M6	360.000	120.000	555.000
M7	432.000	120.000	555.000
M8	504.000	120.000	555.000
M9	576.000	120.000	555.000
O1	0.000	120.000	633.000
O7	432.000	120.000	633.000
P1	0.000	120.000	654.000

P2	72.000	120.000	654.000
P3	144.000	120.000	654.000
P4	216.000	120.000	654.000
P5	288.000	120.000	654.000
P6	360.000	120.000	654.000
P7	432.000	120.000	654.000
P8	504.000	120.000	654.000
P9	576.000	120.000	654.000
A10	648.000	120.000	0.000
A11	720.000	120.000	0.000
A12	792.000	120.000	0.000
A13	864.000	120.000	0.000
A14	936.000	120.000	0.000
A15	1008.000	120.000	0.000
B10	648.000	120.000	60.500
B11	720.000	120.000	60.500
B12	792.000	120.000	60.500
B13	864.000	120.000	60.500
B14	936.000	120.000	60.500
B15	1008.000	120.000	60.500
C10	648.000	120.000	122.500
C11	720.000	120.000	122.500
C12	792.000	120.000	122.500
C13	864.000	120.000	122.500
C14	936.000	120.000	122.500
C15	1008.000	120.000	122.500
DE1	0.000	120.000	531.000
DE2	72.000	120.000	531.000
DE3	144.000	120.000	531.000
DE4	216.000	120.000	531.000
DE5	288.000	120.000	531.000
DE6	360.000	120.000	531.000
DE7	432.000	120.000	531.000
DE8	504.000	120.000	531.000
DE9	576.000	120.000	531.000
F10	648.000	120.000	219.000
F11	720.000	120.000	219.000
F12	792.000	120.000	219.000
F13	864.000	120.000	219.000
F14	936.000	120.000	219.000
F15	1008.000	120.000	219.000
H10	648.000	120.000	315.000
H11	720.000	120.000	315.000
H12	792.000	120.000	315.000
H13	864.000	120.000	315.000
H14	936.000	120.000	315.000
H15	1008.000	120.000	315.000
J10	648.000	120.000	411.000
J11	720.000	120.000	411.000
J12	792.000	120.000	411.000
J13	864.000	120.000	411.000
J14	936.000	120.000	411.000
J15	1008.000	120.000	411.000
L10	648.000	120.000	507.000
L11	720.000	120.000	507.000
L12	792.000	120.000	507.000
L13	864.000	120.000	507.000
L14	936.000	120.000	507.000
L15	1008.000	120.000	507.000
M10	648.000	120.000	555.000
M11	720.000	120.000	555.000
M12	792.000	120.000	555.000
M13	864.000	120.000	555.000

M14	936.000	120.000	555.000
M15	1008.000	120.000	555.000
O15	1008.000	120.000	633.000
P10	648.000	120.000	654.000
P11	720.000	120.000	654.000
P12	792.000	120.000	654.000
P13	864.000	120.000	654.000
P14	936.000	120.000	654.000
P15	1008.000	120.000	654.000
DE10	648.000	120.000	531.000
DE11	720.000	120.000	531.000
DE12	792.000	120.000	531.000
DE13	864.000	120.000	531.000
DE14	936.000	120.000	531.000
DE15	1008.000	120.000	531.000
1FIL1	0.000	120.000	162.250
1FIL2	72.000	120.000	162.250
1FIL3	144.000	120.000	162.250
1FIL4	216.000	120.000	162.250
1FIL5	288.000	120.000	162.250
1FIL6	360.000	120.000	162.250
1FIL7	432.000	120.000	162.250
1FIL8	504.000	120.000	162.250
1FIL9	576.000	120.000	162.250
2FIL1	0.000	120.000	243.000
2FIL2	72.000	120.000	243.000
2FIL3	144.000	120.000	243.000
2FIL4	216.000	120.000	243.000
2FIL5	288.000	120.000	243.000
2FIL6	360.000	120.000	243.000
2FIL7	432.000	120.000	243.000
2FIL8	504.000	120.000	243.000
2FIL9	576.000	120.000	243.000
3FIL1	0.000	120.000	339.000
3FIL2	72.000	120.000	339.000
3FIL3	144.000	120.000	339.000
3FIL4	216.000	120.000	339.000
3FIL5	288.000	120.000	339.000
3FIL6	360.000	120.000	339.000
3FIL7	432.000	120.000	339.000
3FIL8	504.000	120.000	339.000
3FIL9	576.000	120.000	339.000
4FIL1	0.000	120.000	435.000
4FIL2	72.000	120.000	435.000
4FIL3	144.000	120.000	435.000
4FIL4	216.000	120.000	435.000
4FIL5	288.000	120.000	435.000
4FIL6	360.000	120.000	435.000
4FIL7	432.000	120.000	435.000
4FIL8	504.000	120.000	435.000
4FIL9	576.000	120.000	435.000
5FIL1	0.000	120.000	564.437
5FIL2	72.000	120.000	564.437
5FIL3	144.000	120.000	564.437
5FIL4	216.000	120.000	564.437
5FIL5	288.000	120.000	564.437
5FIL6	360.000	120.000	564.437
5FIL7	432.000	120.000	564.437
5FIL8	504.000	120.000	564.437
5FIL9	576.000	120.000	564.437
1FIL10	648.000	120.000	162.250
1FIL11	720.000	120.000	162.250
1FIL12	792.000	120.000	162.250

1FIL13	864.000	120.000	162.250
1FIL14	936.000	120.000	162.250
1FIL15	1008.000	120.000	162.250
2FIL10	648.000	120.000	243.000
2FIL11	720.000	120.000	243.000
2FIL12	792.000	120.000	243.000
2FIL13	864.000	120.000	243.000
2FIL14	936.000	120.000	243.000
2FIL15	1008.000	120.000	243.000
3FIL10	648.000	120.000	339.000
3FIL11	720.000	120.000	339.000
3FIL12	792.000	120.000	339.000
3FIL13	864.000	120.000	339.000
3FIL14	936.000	120.000	339.000
3FIL15	1008.000	120.000	339.000
4FIL10	648.000	120.000	435.000
4FIL11	720.000	120.000	435.000
4FIL12	792.000	120.000	435.000
4FIL13	864.000	120.000	435.000
4FIL14	936.000	120.000	435.000
4FIL15	1008.000	120.000	435.000
5FIL10	648.000	120.000	564.437
5FIL11	720.000	120.000	564.437
5FIL12	792.000	120.000	564.437
5FIL13	864.000	120.000	564.437
5FIL14	936.000	120.000	564.437
5FIL15	1008.000	120.000	564.437

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 3
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P A T T E R N S

PATTERN	JOINT	VALUE
DEFAULT		

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R E S T R A I N T D A T A

JOINT			
A2	U1	U2	U3
A3	U1	U2	U3
A4	U1	U2	U3
A5	U1	U2	U3
A6	U1	U2	U3
A7	U1	U2	U3
A8	U1	U2	U3
A9	U1	U2	U3
D1	U1	U2	U3
A10	U1	U2	U3
A11	U1	U2	U3
A12	U1	U2	U3
A13	U1	U2	U3
A14	U1	U2	U3
A15	U1	U2	U3

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 5
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C O N S T R A I N T D A T A

CONSTR	TYPE	CSYS	AXIS	DEGREES OF FREEDOM
PO1	EQUAL	0		UX
PO7	EQUAL	0		UX
PO15	EQUAL	0		UX

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 6
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C O N S T R A I N T D A T A

CONSTR	JOINTS	
PO1		
	O1	P1
PO7		
	O7	P7
PO15		
	O15	P15

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J O I N T M A S S E S

JOINT	U1	U2	U3	R1	R2	R3
C8	0.737E+00	0.737E+00	0.737E+00	0.000E+00	0.000E+00	0.000E+00
D1	0.243E+00	0.243E+00	0.243E+00	0.000E+00	0.000E+00	0.000E+00
F1	0.553E+00	0.553E+00	0.553E+00	0.000E+00	0.000E+00	0.000E+00
F8	0.131E+01	0.131E+01	0.131E+01	0.000E+00	0.000E+00	0.000E+00
H1	0.621E+00	0.621E+00	0.621E+00	0.000E+00	0.000E+00	0.000E+00
H8	0.147E+01	0.147E+01	0.147E+01	0.000E+00	0.000E+00	0.000E+00
J1	0.621E+00	0.621E+00	0.621E+00	0.000E+00	0.000E+00	0.000E+00
J8	0.147E+01	0.147E+01	0.147E+01	0.000E+00	0.000E+00	0.000E+00
L1	0.466E+00	0.466E+00	0.466E+00	0.000E+00	0.000E+00	0.000E+00
L8	0.110E+01	0.110E+01	0.110E+01	0.000E+00	0.000E+00	0.000E+00
M1	0.476E+00	0.476E+00	0.476E+00	0.000E+00	0.000E+00	0.000E+00
M8	0.112E+01	0.112E+01	0.112E+01	0.000E+00	0.000E+00	0.000E+00
P1	0.258E+01	0.258E+01	0.258E+01	0.000E+00	0.000E+00	0.000E+00
P2	0.506E+01	0.506E+01	0.506E+01	0.000E+00	0.000E+00	0.000E+00
P3	0.113E+01	0.113E+01	0.113E+01	0.000E+00	0.000E+00	0.000E+00
P4	0.326E+01	0.326E+01	0.326E+01	0.000E+00	0.000E+00	0.000E+00
P5	0.326E+01	0.326E+01	0.326E+01	0.000E+00	0.000E+00	0.000E+00
P6	0.113E+01	0.113E+01	0.113E+01	0.000E+00	0.000E+00	0.000E+00
P7	0.506E+01	0.506E+01	0.506E+01	0.000E+00	0.000E+00	0.000E+00
P8	0.528E+01	0.528E+01	0.528E+01	0.000E+00	0.000E+00	0.000E+00
P9	0.506E+01	0.506E+01	0.506E+01	0.000E+00	0.000E+00	0.000E+00
C15	0.737E+00	0.737E+00	0.737E+00	0.000E+00	0.000E+00	0.000E+00
DE1	0.361E-01	0.361E-01	0.361E-01	0.000E+00	0.000E+00	0.000E+00
DE2	0.721E-01	0.721E-01	0.721E-01	0.000E+00	0.000E+00	0.000E+00
DE3	0.288E+01	0.288E+01	0.288E+01	0.000E+00	0.000E+00	0.000E+00
DE4	0.147E+01	0.147E+01	0.147E+01	0.000E+00	0.000E+00	0.000E+00
DE5	0.721E-01	0.721E-01	0.721E-01	0.000E+00	0.000E+00	0.000E+00

DE6	0.721E-01	0.721E-01	0.721E-01	0.000E+00	0.000E+00	0.000E+00
DE7	0.721E-01	0.721E-01	0.721E-01	0.000E+00	0.000E+00	0.000E+00
DE8	0.721E-01	0.721E-01	0.721E-01	0.000E+00	0.000E+00	0.000E+00
DE9	0.721E-01	0.721E-01	0.721E-01	0.000E+00	0.000E+00	0.000E+00
F15	0.131E+01	0.131E+01	0.131E+01	0.000E+00	0.000E+00	0.000E+00
H15	0.147E+01	0.147E+01	0.147E+01	0.000E+00	0.000E+00	0.000E+00
J15	0.147E+01	0.147E+01	0.147E+01	0.000E+00	0.000E+00	0.000E+00
L15	0.110E+01	0.110E+01	0.110E+01	0.000E+00	0.000E+00	0.000E+00
M15	0.112E+01	0.112E+01	0.112E+01	0.000E+00	0.000E+00	0.000E+00
P10	0.113E+01	0.113E+01	0.113E+01	0.000E+00	0.000E+00	0.000E+00
P11	0.326E+01	0.326E+01	0.326E+01	0.000E+00	0.000E+00	0.000E+00
P12	0.326E+01	0.326E+01	0.326E+01	0.000E+00	0.000E+00	0.000E+00
P13	0.113E+01	0.113E+01	0.113E+01	0.000E+00	0.000E+00	0.000E+00
P14	0.506E+01	0.506E+01	0.506E+01	0.000E+00	0.000E+00	0.000E+00
P15	0.528E+01	0.528E+01	0.528E+01	0.000E+00	0.000E+00	0.000E+00
DE10	0.721E-01	0.721E-01	0.721E-01	0.000E+00	0.000E+00	0.000E+00
DE11	0.721E-01	0.721E-01	0.721E-01	0.000E+00	0.000E+00	0.000E+00
DE12	0.721E-01	0.721E-01	0.721E-01	0.000E+00	0.000E+00	0.000E+00
DE13	0.721E-01	0.721E-01	0.721E-01	0.000E+00	0.000E+00	0.000E+00
DE14	0.721E-01	0.721E-01	0.721E-01	0.000E+00	0.000E+00	0.000E+00
DE15	0.721E-01	0.721E-01	0.721E-01	0.000E+00	0.000E+00	0.000E+00
1FIL1	0.249E+00	0.249E+00	0.249E+00	0.000E+00	0.000E+00	0.000E+00
1FIL2	0.497E+00	0.497E+00	0.497E+00	0.000E+00	0.000E+00	0.000E+00
1FIL3	0.497E+00	0.497E+00	0.497E+00	0.000E+00	0.000E+00	0.000E+00
1FIL4	0.497E+00	0.497E+00	0.497E+00	0.000E+00	0.000E+00	0.000E+00
1FIL5	0.497E+00	0.497E+00	0.497E+00	0.000E+00	0.000E+00	0.000E+00
1FIL6	0.497E+00	0.497E+00	0.497E+00	0.000E+00	0.000E+00	0.000E+00
1FIL7	0.497E+00	0.497E+00	0.497E+00	0.000E+00	0.000E+00	0.000E+00
1FIL8	0.497E+00	0.497E+00	0.497E+00	0.000E+00	0.000E+00	0.000E+00
1FIL9	0.497E+00	0.497E+00	0.497E+00	0.000E+00	0.000E+00	0.000E+00
2FIL1	0.416E+00	0.416E+00	0.416E+00	0.000E+00	0.000E+00	0.000E+00
2FIL2	0.833E+00	0.833E+00	0.833E+00	0.000E+00	0.000E+00	0.000E+00
2FIL3	0.833E+00	0.833E+00	0.833E+00	0.000E+00	0.000E+00	0.000E+00
2FIL4	0.833E+00	0.833E+00	0.833E+00	0.000E+00	0.000E+00	0.000E+00
2FIL5	0.833E+00	0.833E+00	0.833E+00	0.000E+00	0.000E+00	0.000E+00
2FIL6	0.833E+00	0.833E+00	0.833E+00	0.000E+00	0.000E+00	0.000E+00
2FIL7	0.833E+00	0.833E+00	0.833E+00	0.000E+00	0.000E+00	0.000E+00
2FIL8	0.833E+00	0.833E+00	0.833E+00	0.000E+00	0.000E+00	0.000E+00
2FIL9	0.833E+00	0.833E+00	0.833E+00	0.000E+00	0.000E+00	0.000E+00
3FIL1	0.345E+00	0.345E+00	0.345E+00	0.000E+00	0.000E+00	0.000E+00
3FIL2	0.690E+00	0.690E+00	0.690E+00	0.000E+00	0.000E+00	0.000E+00
3FIL3	0.690E+00	0.690E+00	0.690E+00	0.000E+00	0.000E+00	0.000E+00
3FIL4	0.690E+00	0.690E+00	0.690E+00	0.000E+00	0.000E+00	0.000E+00
3FIL5	0.690E+00	0.690E+00	0.690E+00	0.000E+00	0.000E+00	0.000E+00
3FIL6	0.690E+00	0.690E+00	0.690E+00	0.000E+00	0.000E+00	0.000E+00
3FIL7	0.690E+00	0.690E+00	0.690E+00	0.000E+00	0.000E+00	0.000E+00
3FIL8	0.690E+00	0.690E+00	0.690E+00	0.000E+00	0.000E+00	0.000E+00
3FIL9	0.690E+00	0.690E+00	0.690E+00	0.000E+00	0.000E+00	0.000E+00
4FIL1	0.184E+00	0.184E+00	0.184E+00	0.000E+00	0.000E+00	0.000E+00
4FIL2	0.367E+00	0.367E+00	0.367E+00	0.000E+00	0.000E+00	0.000E+00
4FIL3	0.367E+00	0.367E+00	0.367E+00	0.000E+00	0.000E+00	0.000E+00
4FIL4	0.367E+00	0.367E+00	0.367E+00	0.000E+00	0.000E+00	0.000E+00
4FIL5	0.367E+00	0.367E+00	0.367E+00	0.000E+00	0.000E+00	0.000E+00
4FIL6	0.367E+00	0.367E+00	0.367E+00	0.000E+00	0.000E+00	0.000E+00
4FIL7	0.367E+00	0.367E+00	0.367E+00	0.000E+00	0.000E+00	0.000E+00
4FIL8	0.367E+00	0.367E+00	0.367E+00	0.000E+00	0.000E+00	0.000E+00
4FIL9	0.367E+00	0.367E+00	0.367E+00	0.000E+00	0.000E+00	0.000E+00
1FIL10	0.497E+00	0.497E+00	0.497E+00	0.000E+00	0.000E+00	0.000E+00
1FIL11	0.497E+00	0.497E+00	0.497E+00	0.000E+00	0.000E+00	0.000E+00
1FIL12	0.497E+00	0.497E+00	0.497E+00	0.000E+00	0.000E+00	0.000E+00
1FIL13	0.497E+00	0.497E+00	0.497E+00	0.000E+00	0.000E+00	0.000E+00
1FIL14	0.497E+00	0.497E+00	0.497E+00	0.000E+00	0.000E+00	0.000E+00
1FIL15	0.497E+00	0.497E+00	0.497E+00	0.000E+00	0.000E+00	0.000E+00

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  2FIL10  0.833E+00  0.833E+00  0.833E+00  0.000E+00  0.000E+00  0.000E+00
  2FIL11  0.833E+00  0.833E+00  0.833E+00  0.000E+00  0.000E+00  0.000E+00
  2FIL12  0.833E+00  0.833E+00  0.833E+00  0.000E+00  0.000E+00  0.000E+00
  2FIL13  0.833E+00  0.833E+00  0.833E+00  0.000E+00  0.000E+00  0.000E+00
  2FIL14  0.833E+00  0.833E+00  0.833E+00  0.000E+00  0.000E+00  0.000E+00
  2FIL15  0.833E+00  0.833E+00  0.833E+00  0.000E+00  0.000E+00  0.000E+00
  3FIL10  0.690E+00  0.690E+00  0.690E+00  0.000E+00  0.000E+00  0.000E+00
  3FIL11  0.690E+00  0.690E+00  0.690E+00  0.000E+00  0.000E+00  0.000E+00
  3FIL12  0.690E+00  0.690E+00  0.690E+00  0.000E+00  0.000E+00  0.000E+00
  3FIL13  0.690E+00  0.690E+00  0.690E+00  0.000E+00  0.000E+00  0.000E+00
  3FIL14  0.690E+00  0.690E+00  0.690E+00  0.000E+00  0.000E+00  0.000E+00
  3FIL15  0.690E+00  0.690E+00  0.690E+00  0.000E+00  0.000E+00  0.000E+00
  4FIL10  0.367E+00  0.367E+00  0.367E+00  0.000E+00  0.000E+00  0.000E+00
  4FIL11  0.367E+00  0.367E+00  0.367E+00  0.000E+00  0.000E+00  0.000E+00
  4FIL12  0.367E+00  0.367E+00  0.367E+00  0.000E+00  0.000E+00  0.000E+00
  4FIL13  0.367E+00  0.367E+00  0.367E+00  0.000E+00  0.000E+00  0.000E+00
  4FIL14  0.367E+00  0.367E+00  0.367E+00  0.000E+00  0.000E+00  0.000E+00
  4FIL15  0.367E+00  0.367E+00  0.367E+00  0.000E+00  0.000E+00  0.000E+00


C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE    8
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 J O I N T   S P R I N G S

   JOINT
      A2              U1         U2         U3         R1         R2         R3
          U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

   JOINT
      A3              U1         U2         U3         R1         R2         R3
          U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

   JOINT
      A4              U1         U2         U3         R1         R2         R3
          U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

   JOINT
      A5              U1         U2         U3         R1         R2         R3
          U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

   JOINT
      A6              U1         U2         U3         R1         R2         R3
          U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

   JOINT
      A7              U1         U2         U3         R1         R2         R3
          U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

   JOINT
      A8              U1         U2         U3         R1         R2         R3
          U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

   JOINT
      A9              U1         U2         U3         R1         R2         R3
          U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

   JOINT
      B2              U1         U2         U3         R1         R2         R3
          U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

   JOINT
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   B3              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   B4              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   B5              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   B6              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   B7              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   B8              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   B9              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   C2              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   C3              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   C4              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   C5              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   C6              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   C7              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   C8              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   C9              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   D1              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
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JOINT
   F1              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   F2              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   F3              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   F4              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   F5              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   F6              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   F7              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   F8              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   F9              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   H1              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   H2              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   H3              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   H4              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   H5              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   H6              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   H7              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
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JOINT
   H8              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   H9              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   J1              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   J2              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   J3              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   J4              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   J5              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   J6              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   J7              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   J8              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   J9              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   L1              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   L2              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   L3              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   L4              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   L5              U1         U2         U3         R1         R2         R3
```

```
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   L6              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   L7              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   L8              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   L9              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   M1              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   M2              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   M3              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   M4              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   M5              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   M6              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   M7              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   M8              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   M9              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   O1              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   O7              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
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```
   P1              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   P2              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   P3              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   P4              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   P5              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   P6              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   P7              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   P8              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
   P9              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  A10              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  A11              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  A12              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  A13              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  A14              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  A15              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  B10              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
```

```
JOINT
  B11              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  B12              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  B13              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  B14              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  B15              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  C10              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  C11              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  C12              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  C13              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  C14              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  C15              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  DE1              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  DE2              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  DE3              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  DE4              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  DE5              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
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JOINT
  DE6              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  DE7              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  DE8              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  DE9              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  F10              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  F11              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  F12              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  F13              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  F14              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  F15              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  H10              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  H11              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  H12              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  H13              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  H14              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  H15              U1         U2         U3         R1         R2         R3
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        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  J10              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  J11              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  J12              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  J13              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  J14              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  J15              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  L10              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  L11              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  L12              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  L13              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  L14              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  L15              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  M10              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  M11              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  M12              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
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  M13              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  M14              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  M15              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  O15              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  P10              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  P11              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  P12              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  P13              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  P14              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
  P15              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
 DE10              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
 DE11              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
 DE12              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
 DE13              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
 DE14              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
 DE15              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
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JOINT
1FIL1              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
1FIL2              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
1FIL3              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
1FIL4              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
1FIL5              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
1FIL6              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
1FIL7              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
1FIL8              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
1FIL9              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
2FIL1              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
2FIL2              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
2FIL3              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
2FIL4              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
2FIL5              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
2FIL6              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
2FIL7              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
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JOINT
2FIL8              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
2FIL9              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
3FIL1              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
3FIL2              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
3FIL3              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
3FIL4              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
3FIL5              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
3FIL6              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
3FIL7              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
3FIL8              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
3FIL9              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
4FIL1              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
4FIL2              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
4FIL3              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
4FIL4              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

JOINT
4FIL5              U1         U2         U3         R1         R2         R3
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        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

 JOINT
 4FIL6              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

 JOINT
 4FIL7              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

 JOINT
 4FIL8              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

 JOINT
 4FIL9              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

 JOINT
 5FIL1              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

 JOINT
 5FIL2              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

 JOINT
 5FIL3              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

 JOINT
 5FIL4              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

 JOINT
 5FIL5              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

 JOINT
 5FIL6              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

 JOINT
 5FIL7              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

 JOINT
 5FIL8              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

 JOINT
 5FIL9              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

 JOINT
1FIL10              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

 JOINT
1FIL11              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

 JOINT
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 1FIL12              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

  JOINT
 1FIL13              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

  JOINT
 1FIL14              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

  JOINT
 1FIL15              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

  JOINT
 2FIL10              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

  JOINT
 2FIL11              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

  JOINT
 2FIL12              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

  JOINT
 2FIL13              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

  JOINT
 2FIL14              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

  JOINT
 2FIL15              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

  JOINT
 3FIL10              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

  JOINT
 3FIL11              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

  JOINT
 3FIL12              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

  JOINT
 3FIL13              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

  JOINT
 3FIL14              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

  JOINT
 3FIL15              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
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  JOINT
 4FIL10              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

  JOINT
 4FIL11              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

  JOINT
 4FIL12              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

  JOINT
 4FIL13              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

  JOINT
 4FIL14              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

  JOINT
 4FIL15              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

  JOINT
 5FIL10              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

  JOINT
 5FIL11              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

  JOINT
 5FIL12              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

  JOINT
 5FIL13              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

  JOINT
 5FIL14              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00

  JOINT
 5FIL15              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
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M A T E R I A L P R O P E R T Y D A T A

MAT LABEL	NUMBER TEMPS	WEIGHT PER UNIT VOL	MASS PER UNIT VOL	DESIGN CODE
STEEL	1	0.2830E+00	0.7324E-03	S
CONC	1	0.8680E-04	0.2246E-06	C
OTHER	1	0.8680E-04	0.2246E-06	N
WOOD	1	0.1850E-01	0.4793E-04	N

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T E M P E R A T U R E D E P E N D E N T D A T A

MATERIAL PROPERTIES

MAT LABEL	TEMP	MODULUS OF ELASTICITY E1	E2	E3	SHEAR MODULII G12	G13	G23
STEEL	0.00	0.290E+08	0.290E+08	0.290E+08	0.112E+08	0.112E+08	0.112E+08
CONC	0.00	0.360E+04	0.360E+04	0.360E+04	0.150E+04	0.150E+04	0.150E+04
OTHER	0.00	0.360E+04	0.360E+04	0.360E+04	0.150E+04	0.150E+04	0.150E+04
WOOD	0.00	0.140E+07	0.140E+07	0.140E+07	0.538E+06	0.538E+06	0.538E+06

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T E M P E R A T U R E D E P E N D E N T D A T A

THERMAL EXPANSION COEFFICIENTS

MAT LABEL	TEMP	COEFFICIENTS OF THERMAL EXPANSION A1	A2	A3	A12	A13	A23
STEEL	0.00	0.650E-02	0.650E-02	0.650E-02	0.000E+00	0.000E+00	0.000E+00
CONC	0.00	0.550E-05	0.550E-05	0.550E-05	0.000E+00	0.000E+00	0.000E+00
OTHER	0.00	0.550E-05	0.550E-05	0.550E-05	0.000E+00	0.000E+00	0.000E+00
WOOD	0.00	0.650E-05	0.650E-05	0.650E-05	0.000E+00	0.000E+00	0.000E+00

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T E M P E R A T U R E D E P E N D E N T D A T A

MATERIAL PROPERTIES

MAT LABEL	TEMP	POISSONS RATIO U12	U13	U23	U14	U24	U34	U15	U25	U35	U45	U16	U26	U36	U46	U56
STEEL	0.00	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CONC	0.00	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER	0.00	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WOOD	0.00	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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MATERIAL PROPERTIES

MAT LABEL	TEMP	YIELD FY
CONC	0.00	36.00

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	SHAPE TYPE	DEPTH	FLANGE WIDTH TOP	FLANGE THICK TOP	WEB THICK	FLANGE WIDTH BOTTOM	FLANGE THICK BOTTOM
4X4	R	3.500	3.500				
2X2X4	R	3.500	3.000				
4X6	R	5.500	3.500				
2X8	R	7.250	1.500				

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	AXIAL AREA	TORSIONAL CONSTANT	MOMENTS OF INERTIA I33	I22	SHEAR AREAS A2	A3
4X4	0.123E+02	0.211E+02	0.125E+02	0.125E+02	0.102E+02	0.102E+02
2X2X4	0.105E+02	0.153E+02	0.107E+02	0.788E+01	0.875E+01	0.875E+01
4X6	0.193E+02	0.475E+02	0.485E+02	0.197E+02	0.160E+02	0.160E+02
2X8	0.109E+02	0.709E+01	0.476E+02	0.204E+01	0.906E+01	0.906E+01

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	MAT LABEL	ADDITIONAL MASS PER LENGTH	ADDITIONAL WEIGHT PER LENGTH
4X4	WOOD	0.000E+00	0.000E+00
2X2X4	WOOD	0.000E+00	0.000E+00
4X6	WOOD	0.000E+00	0.000E+00
2X8	WOOD	0.000E+00	0.000E+00

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F R A M E E L E M E N T D A T A

ELEMENT LABEL	JOINT END-I	JOINT END-J	ELEMENT LENGTH	END-OFFSET-LENGTHS END-I	END-J	RIGID-END FACTOR	NUMBER OF SEGMENTS
1	D1	1FIL1	18.250	0.000	0.000	0.0000	2
2	1FIL1	F1	56.750	0.000	0.000	0.0000	2
3	F1	2FIL1	24.000	0.000	0.000	0.0000	2
4	2FIL1	H1	72.000	0.000	0.000	0.0000	2
5	H1	3FIL1	24.000	0.000	0.000	0.0000	2
6	3FIL1	J1	72.000	0.000	0.000	0.0000	2
7	J1	4FIL1	24.000	0.000	0.000	0.0000	2
8	4FIL1	L1	72.000	0.000	0.000	0.0000	2
9	L1	DE1	24.000	0.000	0.000	0.0000	2
10	DE1	M1	24.000	0.000	0.000	0.0000	2
11	M1	5FIL1	9.437	0.000	0.000	0.0000	2
12	5FIL1	O1	68.563	0.000	0.000	0.0000	2
13	O1	P1	21.000	0.000	0.000	0.0000	2
15	F1	F2	72.000	0.000	0.000	0.0000	4
16	H1	H2	72.000	0.000	0.000	0.0000	4
17	J1	J2	72.000	0.000	0.000	0.0000	4
18	L1	L2	72.000	0.000	0.000	0.0000	4
19	M1	M2	72.000	0.000	0.000	0.0000	4
21	P1	P2	72.000	0.000	0.000	0.0000	4
22	A2	B2	60.500	0.000	0.000	0.0000	2
23	B2	C2	62.000	0.000	0.000	0.0000	2
24	C2	1FIL2	39.750	0.000	0.000	0.0000	2
25	1FIL2	F2	56.750	0.000	0.000	0.0000	2
26	F2	2FIL2	24.000	0.000	0.000	0.0000	2
27	2FIL2	H2	72.000	0.000	0.000	0.0000	2
28	H2	3FIL2	24.000	0.000	0.000	0.0000	2
29	3FIL2	J2	72.000	0.000	0.000	0.0000	2
30	J2	4FIL2	24.000	0.000	0.000	0.0000	2
31	4FIL2	L2	72.000	0.000	0.000	0.0000	2
32	L2	DE2	24.000	0.000	0.000	0.0000	2
33	DE2	M2	24.000	0.000	0.000	0.0000	2
34	M2	5FIL2	9.437	0.000	0.000	0.0000	2
35	5FIL2	P2	89.563	0.000	0.000	0.0000	2
36	B2	B3	72.000	0.000	0.000	0.0000	4
37	C2	C3	72.000	0.000	0.000	0.0000	4
38	F2	F3	72.000	0.000	0.000	0.0000	4
40	H2	H3	72.000	0.000	0.000	0.0000	4
41	J2	J3	72.000	0.000	0.000	0.0000	4
42	L2	L3	72.000	0.000	0.000	0.0000	4
44	M2	M3	72.000	0.000	0.000	0.0000	4
45	P2	P3	72.000	0.000	0.000	0.0000	4
46	A3	B3	60.500	0.000	0.000	0.0000	2
47	B3	C3	62.000	0.000	0.000	0.0000	2
48	C3	1FIL3	39.750	0.000	0.000	0.0000	2
49	1FIL3	F3	56.750	0.000	0.000	0.0000	2
50	F3	2FIL3	24.000	0.000	0.000	0.0000	2
51	2FIL3	H3	72.000	0.000	0.000	0.0000	2
52	H3	3FIL3	24.000	0.000	0.000	0.0000	2
53	3FIL3	J3	72.000	0.000	0.000	0.0000	2
54	J3	4FIL3	24.000	0.000	0.000	0.0000	2
55	4FIL3	L3	72.000	0.000	0.000	0.0000	2
56	L3	DE3	24.000	0.000	0.000	0.0000	2
57	DE3	M3	24.000	0.000	0.000	0.0000	2
58	M3	5FIL3	9.437	0.000	0.000	0.0000	2
59	5FIL3	P3	89.563	0.000	0.000	0.0000	2
60	B3	B4	72.000	0.000	0.000	0.0000	4
61	C3	C4	72.000	0.000	0.000	0.0000	4
62	F3	F4	72.000	0.000	0.000	0.0000	4
63	H3	H4	72.000	0.000	0.000	0.0000	4
65	J3	J4	72.000	0.000	0.000	0.0000	4

67	L3	L4	72.000	0.000	0.000	0.0000	4
68	M3	M4	72.000	0.000	0.000	0.0000	4
69	P3	P4	72.000	0.000	0.000	0.0000	4
70	A4	B4	60.500	0.000	0.000	0.0000	2
71	B4	C4	62.000	0.000	0.000	0.0000	2
72	C4	1FIL4	39.750	0.000	0.000	0.0000	2
73	1FIL4	F4	56.750	0.000	0.000	0.0000	2
74	F4	2FIL4	24.000	0.000	0.000	0.0000	2
75	2FIL4	H4	72.000	0.000	0.000	0.0000	2
76	H4	3FIL4	24.000	0.000	0.000	0.0000	2
77	3FIL4	J4	72.000	0.000	0.000	0.0000	2
78	J4	4FIL4	24.000	0.000	0.000	0.0000	2
79	4FIL4	L4	72.000	0.000	0.000	0.0000	2
80	L4	DE4	24.000	0.000	0.000	0.0000	2
81	DE4	M4	24.000	0.000	0.000	0.0000	2
82	M4	5FIL4	9.437	0.000	0.000	0.0000	2
83	5FIL4	P4	89.563	0.000	0.000	0.0000	2
84	B4	B5	72.000	0.000	0.000	0.0000	4
85	C4	C5	72.000	0.000	0.000	0.0000	4
86	F4	F5	72.000	0.000	0.000	0.0000	4
87	H4	H5	72.000	0.000	0.000	0.0000	4
89	J4	J5	72.000	0.000	0.000	0.0000	4
91	L4	L5	72.000	0.000	0.000	0.0000	4
92	M4	M5	72.000	0.000	0.000	0.0000	4
93	P4	P5	72.000	0.000	0.000	0.0000	4
94	A5	B5	60.500	0.000	0.000	0.0000	2
95	B5	C5	62.000	0.000	0.000	0.0000	2
96	C5	1FIL5	39.750	0.000	0.000	0.0000	2
97	1FIL5	F5	56.750	0.000	0.000	0.0000	2
98	F5	2FIL5	24.000	0.000	0.000	0.0000	2
99	2FIL5	H5	72.000	0.000	0.000	0.0000	2
100	H5	3FIL5	24.000	0.000	0.000	0.0000	2
101	3FIL5	J5	72.000	0.000	0.000	0.0000	2
102	J5	4FIL5	24.000	0.000	0.000	0.0000	2
103	4FIL5	L5	72.000	0.000	0.000	0.0000	2
104	L5	DE5	24.000	0.000	0.000	0.0000	2
105	DE5	M5	24.000	0.000	0.000	0.0000	2
106	M5	5FIL5	9.437	0.000	0.000	0.0000	2
107	5FIL5	P5	89.563	0.000	0.000	0.0000	2
108	B5	B6	72.000	0.000	0.000	0.0000	4
109	C5	C6	72.000	0.000	0.000	0.0000	4
110	F5	F6	72.000	0.000	0.000	0.0000	4
112	H5	H6	72.000	0.000	0.000	0.0000	4
113	J5	J6	72.000	0.000	0.000	0.0000	4
114	L5	L6	72.000	0.000	0.000	0.0000	4
116	M5	M6	72.000	0.000	0.000	0.0000	4
117	P5	P6	72.000	0.000	0.000	0.0000	4
118	A6	B6	60.500	0.000	0.000	0.0000	2
119	B6	C6	62.000	0.000	0.000	0.0000	2
120	C6	1FIL6	39.750	0.000	0.000	0.0000	2
121	1FIL6	F6	56.750	0.000	0.000	0.0000	2
122	F6	2FIL6	24.000	0.000	0.000	0.0000	2
123	2FIL6	H6	72.000	0.000	0.000	0.0000	2
124	H6	3FIL6	24.000	0.000	0.000	0.0000	2
125	3FIL6	J6	72.000	0.000	0.000	0.0000	2
126	J6	4FIL6	24.000	0.000	0.000	0.0000	2
127	4FIL6	L6	72.000	0.000	0.000	0.0000	2
128	L6	DE6	24.000	0.000	0.000	0.0000	2
129	DE6	M6	24.000	0.000	0.000	0.0000	2
130	M6	5FIL6	9.437	0.000	0.000	0.0000	2
131	5FIL6	P6	89.563	0.000	0.000	0.0000	2
132	B6	B7	72.000	0.000	0.000	0.0000	4
133	C6	C7	72.000	0.000	0.000	0.0000	4

135	F6	F7	72.000	0.000	0.000	0.0000	4
136	H6	H7	72.000	0.000	0.000	0.0000	4
137	J6	J7	72.000	0.000	0.000	0.0000	4
138	L6	L7	72.000	0.000	0.000	0.0000	4
139	M6	M7	72.000	0.000	0.000	0.0000	4
141	P6	P7	72.000	0.000	0.000	0.0000	4
142	A7	B7	60.500	0.000	0.000	0.0000	2
143	B7	C7	62.000	0.000	0.000	0.0000	2
144	C7	1FIL7	39.750	0.000	0.000	0.0000	2
145	1FIL7	F7	56.750	0.000	0.000	0.0000	2
146	F7	2FIL7	24.000	0.000	0.000	0.0000	2
147	2FIL7	H7	72.000	0.000	0.000	0.0000	2
148	H7	3FIL7	24.000	0.000	0.000	0.0000	2
149	3FIL7	J7	72.000	0.000	0.000	0.0000	2
150	J7	4FIL7	24.000	0.000	0.000	0.0000	2
151	4FIL7	L7	72.000	0.000	0.000	0.0000	2
152	L7	DE7	24.000	0.000	0.000	0.0000	2
153	DE7	M7	24.000	0.000	0.000	0.0000	2
154	M7	5FIL7	9.437	0.000	0.000	0.0000	2
155	5FIL7	O7	68.563	0.000	0.000	0.0000	2
156	O7	P7	21.000	0.000	0.000	0.0000	2
158	B7	B8	72.000	0.000	0.000	0.0000	4
160	C7	C8	72.000	0.000	0.000	0.0000	4
161	F7	F8	72.000	0.000	0.000	0.0000	4
162	H7	H8	72.000	0.000	0.000	0.0000	4
163	J7	J8	72.000	0.000	0.000	0.0000	4
164	L7	L8	72.000	0.000	0.000	0.0000	4
165	M7	M8	72.000	0.000	0.000	0.0000	4
167	P7	P8	72.000	0.000	0.000	0.0000	4
168	A8	B8	60.500	0.000	0.000	0.0000	2
169	B8	C8	62.000	0.000	0.000	0.0000	2
170	C8	1FIL8	39.750	0.000	0.000	0.0000	2
171	1FIL8	F8	56.750	0.000	0.000	0.0000	2
172	F8	2FIL8	24.000	0.000	0.000	0.0000	2
173	2FIL8	H8	72.000	0.000	0.000	0.0000	2
174	H8	3FIL8	24.000	0.000	0.000	0.0000	2
175	3FIL8	J8	72.000	0.000	0.000	0.0000	2
176	J8	4FIL8	24.000	0.000	0.000	0.0000	2
177	4FIL8	L8	72.000	0.000	0.000	0.0000	2
178	L8	DE8	24.000	0.000	0.000	0.0000	2
179	DE8	M8	24.000	0.000	0.000	0.0000	2
180	M8	5FIL8	9.437	0.000	0.000	0.0000	2
181	5FIL8	P8	89.563	0.000	0.000	0.0000	2
183	B8	B9	72.000	0.000	0.000	0.0000	4
185	C8	C9	72.000	0.000	0.000	0.0000	4
186	F8	F9	72.000	0.000	0.000	0.0000	4
187	H8	H9	72.000	0.000	0.000	0.0000	4
188	J8	J9	72.000	0.000	0.000	0.0000	4
189	L8	L9	72.000	0.000	0.000	0.0000	4
191	M8	M9	72.000	0.000	0.000	0.0000	4
192	P8	P9	72.000	0.000	0.000	0.0000	4
193	A9	B9	60.500	0.000	0.000	0.0000	2
194	B9	C9	62.000	0.000	0.000	0.0000	2
195	C9	1FIL9	39.750	0.000	0.000	0.0000	2
196	1FIL9	F9	56.750	0.000	0.000	0.0000	2
197	F9	2FIL9	24.000	0.000	0.000	0.0000	2
198	2FIL9	H9	72.000	0.000	0.000	0.0000	2
199	H9	3FIL9	24.000	0.000	0.000	0.0000	2
200	3FIL9	J9	72.000	0.000	0.000	0.0000	2
201	J9	4FIL9	24.000	0.000	0.000	0.0000	2
202	4FIL9	L9	72.000	0.000	0.000	0.0000	2
203	L9	DE9	24.000	0.000	0.000	0.0000	2
204	DE9	M9	24.000	0.000	0.000	0.0000	2

205	M9	5FIL9	9.437	0.000	0.000	0.0000	2
206	5FIL9	P9	89.563	0.000	0.000	0.0000	2
207	B9	B10	72.000	0.000	0.000	0.0000	4
208	C9	C10	72.000	0.000	0.000	0.0000	4
210	F9	F10	72.000	0.000	0.000	0.0000	4
211	H9	H10	72.000	0.000	0.000	0.0000	4
212	J9	J10	72.000	0.000	0.000	0.0000	4
214	L9	L10	72.000	0.000	0.000	0.0000	4
215	M9	M10	72.000	0.000	0.000	0.0000	4
216	P9	P10	72.000	0.000	0.000	0.0000	4
217	A10	B10	60.500	0.000	0.000	0.0000	2
218	B10	C10	62.000	0.000	0.000	0.0000	2
219	C10	1FIL10	39.750	0.000	0.000	0.0000	2
220	1FIL10	F10	56.750	0.000	0.000	0.0000	2
221	F10	2FIL10	24.000	0.000	0.000	0.0000	2
222	2FIL10	H10	72.000	0.000	0.000	0.0000	2
223	H10	3FIL10	24.000	0.000	0.000	0.0000	2
224	3FIL10	J10	72.000	0.000	0.000	0.0000	2
225	J10	4FIL10	24.000	0.000	0.000	0.0000	2
226	4FIL10	L10	72.000	0.000	0.000	0.0000	2
227	L10	DE10	24.000	0.000	0.000	0.0000	2
228	DE10	M10	24.000	0.000	0.000	0.0000	2
229	M10	5FIL10	9.437	0.000	0.000	0.0000	2
230	5FIL10	P10	89.563	0.000	0.000	0.0000	2
231	B10	B11	72.000	0.000	0.000	0.0000	4
232	C10	C11	72.000	0.000	0.000	0.0000	4
233	F10	F11	72.000	0.000	0.000	0.0000	4
235	H10	H11	72.000	0.000	0.000	0.0000	4
237	J10	J11	72.000	0.000	0.000	0.0000	4
238	L10	L11	72.000	0.000	0.000	0.0000	4
239	M10	M11	72.000	0.000	0.000	0.0000	4
240	P10	P11	72.000	0.000	0.000	0.0000	4
241	A11	B11	60.500	0.000	0.000	0.0000	2
242	B11	C11	62.000	0.000	0.000	0.0000	2
243	C11	1FIL11	39.750	0.000	0.000	0.0000	2
244	1FIL11	F11	56.750	0.000	0.000	0.0000	2
245	F11	2FIL11	24.000	0.000	0.000	0.0000	2
246	2FIL11	H11	72.000	0.000	0.000	0.0000	2
247	H11	3FIL11	24.000	0.000	0.000	0.0000	2
248	3FIL11	J11	72.000	0.000	0.000	0.0000	2
249	J11	4FIL11	24.000	0.000	0.000	0.0000	2
250	4FIL11	L11	72.000	0.000	0.000	0.0000	2
251	L11	DE11	24.000	0.000	0.000	0.0000	2
252	DE11	M11	24.000	0.000	0.000	0.0000	2
253	M11	5FIL11	9.437	0.000	0.000	0.0000	2
254	5FIL11	P11	89.563	0.000	0.000	0.0000	2
255	B11	B12	72.000	0.000	0.000	0.0000	4
256	C11	C12	72.000	0.000	0.000	0.0000	4
257	F11	F12	72.000	0.000	0.000	0.0000	4
259	H11	H12	72.000	0.000	0.000	0.0000	4
261	J11	J12	72.000	0.000	0.000	0.0000	4
262	L11	L12	72.000	0.000	0.000	0.0000	4
263	M11	M12	72.000	0.000	0.000	0.0000	4
264	P11	P12	72.000	0.000	0.000	0.0000	4
265	A12	B12	60.500	0.000	0.000	0.0000	2
266	B12	C12	62.000	0.000	0.000	0.0000	2
267	C12	1FIL12	39.750	0.000	0.000	0.0000	2
268	1FIL12	F12	56.750	0.000	0.000	0.0000	2
269	F12	2FIL12	24.000	0.000	0.000	0.0000	2
270	2FIL12	H12	72.000	0.000	0.000	0.0000	2
271	H12	3FIL12	24.000	0.000	0.000	0.0000	2
272	3FIL12	J12	72.000	0.000	0.000	0.0000	2
273	J12	4FIL12	24.000	0.000	0.000	0.0000	2

274	4FIL12	L12	72.000	0.000	0.000	0.0000	2
275	L12	DE12	24.000	0.000	0.000	0.0000	2
276	DE12	M12	24.000	0.000	0.000	0.0000	2
277	M12	5FIL12	9.437	0.000	0.000	0.0000	2
278	5FIL12	P12	89.563	0.000	0.000	0.0000	2
279	B12	B13	72.000	0.000	0.000	0.0000	4
280	C12	C13	72.000	0.000	0.000	0.0000	4
282	F12	F13	72.000	0.000	0.000	0.0000	4
283	H12	H13	72.000	0.000	0.000	0.0000	4
284	J12	J13	72.000	0.000	0.000	0.0000	4
286	L12	L13	72.000	0.000	0.000	0.0000	4
287	M12	M13	72.000	0.000	0.000	0.0000	4
288	P12	P13	72.000	0.000	0.000	0.0000	4
289	A13	B13	60.500	0.000	0.000	0.0000	2
290	B13	C13	62.000	0.000	0.000	0.0000	2
291	C13	1FIL13	39.750	0.000	0.000	0.0000	2
292	1FIL13	F13	56.750	0.000	0.000	0.0000	2
293	F13	2FIL13	24.000	0.000	0.000	0.0000	2
294	2FIL13	H13	72.000	0.000	0.000	0.0000	2
295	H13	3FIL13	24.000	0.000	0.000	0.0000	2
296	3FIL13	J13	72.000	0.000	0.000	0.0000	2
297	J13	4FIL13	24.000	0.000	0.000	0.0000	2
298	4FIL13	L13	72.000	0.000	0.000	0.0000	2
299	L13	DE13	24.000	0.000	0.000	0.0000	2
300	DE13	M13	24.000	0.000	0.000	0.0000	2
301	M13	5FIL13	9.437	0.000	0.000	0.0000	2
302	5FIL13	P13	89.563	0.000	0.000	0.0000	2
303	B13	B14	72.000	0.000	0.000	0.0000	4
305	C13	C14	72.000	0.000	0.000	0.0000	4
306	F13	F14	72.000	0.000	0.000	0.0000	4
307	H13	H14	72.000	0.000	0.000	0.0000	4
308	J13	J14	72.000	0.000	0.000	0.0000	4
309	L13	L14	72.000	0.000	0.000	0.0000	4
311	M13	M14	72.000	0.000	0.000	0.0000	4
312	P13	P14	72.000	0.000	0.000	0.0000	4
313	A14	B14	60.500	0.000	0.000	0.0000	2
314	B14	C14	62.000	0.000	0.000	0.0000	2
315	C14	1FIL14	39.750	0.000	0.000	0.0000	2
316	1FIL14	F14	56.750	0.000	0.000	0.0000	2
317	F14	2FIL14	24.000	0.000	0.000	0.0000	2
318	2FIL14	H14	72.000	0.000	0.000	0.0000	2
319	H14	3FIL14	24.000	0.000	0.000	0.0000	2
320	3FIL14	J14	72.000	0.000	0.000	0.0000	2
321	J14	4FIL14	24.000	0.000	0.000	0.0000	2
322	4FIL14	L14	72.000	0.000	0.000	0.0000	2
323	L14	DE14	24.000	0.000	0.000	0.0000	2
324	DE14	M14	24.000	0.000	0.000	0.0000	2
325	M14	5FIL14	9.437	0.000	0.000	0.0000	2
326	5FIL14	P14	89.563	0.000	0.000	0.0000	2
328	B14	B15	72.000	0.000	0.000	0.0000	4
329	C14	C15	72.000	0.000	0.000	0.0000	4
330	F14	F15	72.000	0.000	0.000	0.0000	4
331	H14	H15	72.000	0.000	0.000	0.0000	4
332	J14	J15	72.000	0.000	0.000	0.0000	4
333	L14	L15	72.000	0.000	0.000	0.0000	4
334	M14	M15	72.000	0.000	0.000	0.0000	4
336	P14	P15	72.000	0.000	0.000	0.0000	4
337	A15	B15	60.500	0.000	0.000	0.0000	2
338	B15	C15	62.000	0.000	0.000	0.0000	2
339	C15	1FIL15	39.750	0.000	0.000	0.0000	2
340	1FIL15	F15	56.750	0.000	0.000	0.0000	2
341	F15	2FIL15	24.000	0.000	0.000	0.0000	2
342	2FIL15	H15	72.000	0.000	0.000	0.0000	2

343	H15	3FIL15	24.000	0.000	0.000	0.0000	2
344	3FIL15	J15	72.000	0.000	0.000	0.0000	2
345	J15	4FIL15	24.000	0.000	0.000	0.0000	2
346	4FIL15	L15	72.000	0.000	0.000	0.0000	2
347	L15	DE15	24.000	0.000	0.000	0.0000	2
348	DE15	M15	24.000	0.000	0.000	0.0000	2
349	M15	5FIL15	9.437	0.000	0.000	0.0000	2
350	5FIL15	O15	68.563	0.000	0.000	0.0000	2
351	O15	P15	21.000	0.000	0.000	0.0000	2

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PROGRAM:SAP2000/FILE:\BentADL.EKO

F R A M E E L E M E N T D A T A

ELEMENT LABEL	SECTION LABEL	LOCAL PLANE	COORD SYSTEM	PLN 1ST	PLN 2ND	PLANE JOINTA	PLANE JOINTB	COORD ANGLE
1	4X4	12	0	+Z	+X	0	0	0.00
2	4X4	12	0	+Z	+X	0	0	0.00
3	4X4	12	0	+Z	+X	0	0	0.00
4	4X4	12	0	+Z	+X	0	0	0.00
5	4X4	12	0	+Z	+X	0	0	0.00
6	4X4	12	0	+Z	+X	0	0	0.00
7	4X4	12	0	+Z	+X	0	0	0.00
8	4X4	12	0	+Z	+X	0	0	0.00
9	4X4	12	0	+Z	+X	0	0	0.00
10	4X4	12	0	+Z	+X	0	0	0.00
11	4X4	12	0	+Z	+X	0	0	0.00
12	4X4	12	0	+Z	+X	0	0	0.00
13	4X4	12	0	+Z	+X	0	0	0.00
15	2X2X4	12	0	+Z	+X	0	0	0.00
16	2X2X4	12	0	+Z	+X	0	0	0.00
17	2X2X4	12	0	+Z	+X	0	0	0.00
18	2X2X4	12	0	+Z	+X	0	0	0.00
19	2X2X4	12	0	+Z	+X	0	0	0.00
21	2X8	12	0	+Z	+X	0	0	0.00
22	4X4	12	0	+Z	+X	0	0	0.00
23	4X4	12	0	+Z	+X	0	0	0.00
24	4X4	12	0	+Z	+X	0	0	0.00
25	4X4	12	0	+Z	+X	0	0	0.00
26	4X4	12	0	+Z	+X	0	0	0.00
27	4X4	12	0	+Z	+X	0	0	0.00
28	4X4	12	0	+Z	+X	0	0	0.00
29	4X4	12	0	+Z	+X	0	0	0.00
30	4X4	12	0	+Z	+X	0	0	0.00
31	4X4	12	0	+Z	+X	0	0	0.00
32	4X4	12	0	+Z	+X	0	0	0.00
33	4X4	12	0	+Z	+X	0	0	0.00
34	4X4	12	0	+Z	+X	0	0	0.00
35	4X4	12	0	+Z	+X	0	0	0.00
36	2X2X4	12	0	+Z	+X	0	0	0.00
37	2X2X4	12	0	+Z	+X	0	0	0.00
38	2X2X4	12	0	+Z	+X	0	0	0.00
40	2X2X4	12	0	+Z	+X	0	0	0.00
41	2X2X4	12	0	+Z	+X	0	0	0.00
42	2X2X4	12	0	+Z	+X	0	0	0.00
44	2X2X4	12	0	+Z	+X	0	0	0.00
45	2X8	12	0	+Z	+X	0	0	0.00
46	4X4	12	0	+Z	+X	0	0	0.00
47	4X4	12	0	+Z	+X	0	0	0.00

48	4X4	12	0	+Z	+X	0	0	0.00
49	4X4	12	0	+Z	+X	0	0	0.00
50	4X4	12	0	+Z	+X	0	0	0.00
51	4X4	12	0	+Z	+X	0	0	0.00
52	4X4	12	0	+Z	+X	0	0	0.00
53	4X4	12	0	+Z	+X	0	0	0.00
54	4X4	12	0	+Z	+X	0	0	0.00
55	4X4	12	0	+Z	+X	0	0	0.00
56	4X4	12	0	+Z	+X	0	0	0.00
57	4X4	12	0	+Z	+X	0	0	0.00
58	4X4	12	0	+Z	+X	0	0	0.00
59	4X4	12	0	+Z	+X	0	0	0.00
60	2X2X4	12	0	+Z	+X	0	0	0.00
61	2X2X4	12	0	+Z	+X	0	0	0.00
62	2X2X4	12	0	+Z	+X	0	0	0.00
63	2X2X4	12	0	+Z	+X	0	0	0.00
65	2X2X4	12	0	+Z	+X	0	0	0.00
67	2X2X4	12	0	+Z	+X	0	0	0.00
68	2X2X4	12	0	+Z	+X	0	0	0.00
69	2X8	12	0	+Z	+X	0	0	0.00
70	4X4	12	0	+Z	+X	0	0	0.00
71	4X4	12	0	+Z	+X	0	0	0.00
72	4X4	12	0	+Z	+X	0	0	0.00
73	4X4	12	0	+Z	+X	0	0	0.00
74	4X4	12	0	+Z	+X	0	0	0.00
75	4X4	12	0	+Z	+X	0	0	0.00
76	4X4	12	0	+Z	+X	0	0	0.00
77	4X4	12	0	+Z	+X	0	0	0.00
78	4X4	12	0	+Z	+X	0	0	0.00
79	4X4	12	0	+Z	+X	0	0	0.00
80	4X4	12	0	+Z	+X	0	0	0.00
81	4X4	12	0	+Z	+X	0	0	0.00
82	4X4	12	0	+Z	+X	0	0	0.00
83	4X4	12	0	+Z	+X	0	0	0.00
84	2X2X4	12	0	+Z	+X	0	0	0.00
85	2X2X4	12	0	+Z	+X	0	0	0.00
86	2X2X4	12	0	+Z	+X	0	0	0.00
87	2X2X4	12	0	+Z	+X	0	0	0.00
89	2X2X4	12	0	+Z	+X	0	0	0.00
91	2X2X4	12	0	+Z	+X	0	0	0.00
92	2X2X4	12	0	+Z	+X	0	0	0.00
93	2X8	12	0	+Z	+X	0	0	0.00
94	4X4	12	0	+Z	+X	0	0	0.00
95	4X4	12	0	+Z	+X	0	0	0.00
96	4X4	12	0	+Z	+X	0	0	0.00
97	4X4	12	0	+Z	+X	0	0	0.00
98	4X4	12	0	+Z	+X	0	0	0.00
99	4X4	12	0	+Z	+X	0	0	0.00
100	4X4	12	0	+Z	+X	0	0	0.00
101	4X4	12	0	+Z	+X	0	0	0.00
102	4X4	12	0	+Z	+X	0	0	0.00
103	4X4	12	0	+Z	+X	0	0	0.00
104	4X4	12	0	+Z	+X	0	0	0.00
105	4X4	12	0	+Z	+X	0	0	0.00
106	4X4	12	0	+Z	+X	0	0	0.00
107	4X4	12	0	+Z	+X	0	0	0.00
108	2X2X4	12	0	+Z	+X	0	0	0.00
109	2X2X4	12	0	+Z	+X	0	0	0.00
110	2X2X4	12	0	+Z	+X	0	0	0.00
112	2X2X4	12	0	+Z	+X	0	0	0.00
113	2X2X4	12	0	+Z	+X	0	0	0.00
114	2X2X4	12	0	+Z	+X	0	0	0.00
116	2X2X4	12	0	+Z	+X	0	0	0.00

117	2X8	12	0	+Z	+X	0	0	0.00
118	4X4	12	0	+Z	+X	0	0	0.00
119	4X4	12	0	+Z	+X	0	0	0.00
120	4X4	12	0	+Z	+X	0	0	0.00
121	4X4	12	0	+Z	+X	0	0	0.00
122	4X4	12	0	+Z	+X	0	0	0.00
123	4X4	12	0	+Z	+X	0	0	0.00
124	4X4	12	0	+Z	+X	0	0	0.00
125	4X4	12	0	+Z	+X	0	0	0.00
126	4X4	12	0	+Z	+X	0	0	0.00
127	4X4	12	0	+Z	+X	0	0	0.00
128	4X4	12	0	+Z	+X	0	0	0.00
129	4X4	12	0	+Z	+X	0	0	0.00
130	4X4	12	0	+Z	+X	0	0	0.00
131	4X4	12	0	+Z	+X	0	0	0.00
132	2X2X4	12	0	+Z	+X	0	0	0.00
133	2X2X4	12	0	+Z	+X	0	0	0.00
135	2X2X4	12	0	+Z	+X	0	0	0.00
136	2X2X4	12	0	+Z	+X	0	0	0.00
137	2X2X4	12	0	+Z	+X	0	0	0.00
138	2X2X4	12	0	+Z	+X	0	0	0.00
139	2X2X4	12	0	+Z	+X	0	0	0.00
141	2X8	12	0	+Z	+X	0	0	0.00
142	4X4	12	0	+Z	+X	0	0	0.00
143	4X4	12	0	+Z	+X	0	0	0.00
144	4X4	12	0	+Z	+X	0	0	0.00
145	4X4	12	0	+Z	+X	0	0	0.00
146	4X4	12	0	+Z	+X	0	0	0.00
147	4X4	12	0	+Z	+X	0	0	0.00
148	4X4	12	0	+Z	+X	0	0	0.00
149	4X4	12	0	+Z	+X	0	0	0.00
150	4X4	12	0	+Z	+X	0	0	0.00
151	4X4	12	0	+Z	+X	0	0	0.00
152	4X4	12	0	+Z	+X	0	0	0.00
153	4X4	12	0	+Z	+X	0	0	0.00
154	4X4	12	0	+Z	+X	0	0	0.00
155	4X4	12	0	+Z	+X	0	0	0.00
156	4X4	12	0	+Z	+X	0	0	0.00
158	2X2X4	12	0	+Z	+X	0	0	0.00
160	2X2X4	12	0	+Z	+X	0	0	0.00
161	2X2X4	12	0	+Z	+X	0	0	0.00
162	2X2X4	12	0	+Z	+X	0	0	0.00
163	2X2X4	12	0	+Z	+X	0	0	0.00
164	2X2X4	12	0	+Z	+X	0	0	0.00
165	2X2X4	12	0	+Z	+X	0	0	0.00
167	2X8	12	0	+Z	+X	0	0	0.00
168	4X4	12	0	+Z	+X	0	0	0.00
169	4X4	12	0	+Z	+X	0	0	0.00
170	4X4	12	0	+Z	+X	0	0	0.00
171	4X4	12	0	+Z	+X	0	0	0.00
172	4X4	12	0	+Z	+X	0	0	0.00
173	4X4	12	0	+Z	+X	0	0	0.00
174	4X4	12	0	+Z	+X	0	0	0.00
175	4X4	12	0	+Z	+X	0	0	0.00
176	4X4	12	0	+Z	+X	0	0	0.00
177	4X4	12	0	+Z	+X	0	0	0.00
178	4X4	12	0	+Z	+X	0	0	0.00
179	4X4	12	0	+Z	+X	0	0	0.00
180	4X4	12	0	+Z	+X	0	0	0.00
181	4X4	12	0	+Z	+X	0	0	0.00
183	2X2X4	12	0	+Z	+X	0	0	0.00
185	2X2X4	12	0	+Z	+X	0	0	0.00
186	2X2X4	12	0	+Z	+X	0	0	0.00

187	2X2X4	12	0	+Z	+X	0	0	0.00
188	2X2X4	12	0	+Z	+X	0	0	0.00
189	2X2X4	12	0	+Z	+X	0	0	0.00
191	2X2X4	12	0	+Z	+X	0	0	0.00
192	2X8	12	0	+Z	+X	0	0	0.00
193	4X4	12	0	+Z	+X	0	0	0.00
194	4X4	12	0	+Z	+X	0	0	0.00
195	4X4	12	0	+Z	+X	0	0	0.00
196	4X4	12	0	+Z	+X	0	0	0.00
197	4X4	12	0	+Z	+X	0	0	0.00
198	4X4	12	0	+Z	+X	0	0	0.00
199	4X4	12	0	+Z	+X	0	0	0.00
200	4X4	12	0	+Z	+X	0	0	0.00
201	4X4	12	0	+Z	+X	0	0	0.00
202	4X4	12	0	+Z	+X	0	0	0.00
203	4X4	12	0	+Z	+X	0	0	0.00
204	4X4	12	0	+Z	+X	0	0	0.00
205	4X4	12	0	+Z	+X	0	0	0.00
206	4X4	12	0	+Z	+X	0	0	0.00
207	2X2X4	12	0	+Z	+X	0	0	0.00
208	2X2X4	12	0	+Z	+X	0	0	0.00
210	2X2X4	12	0	+Z	+X	0	0	0.00
211	2X2X4	12	0	+Z	+X	0	0	0.00
212	2X2X4	12	0	+Z	+X	0	0	0.00
214	2X2X4	12	0	+Z	+X	0	0	0.00
215	2X2X4	12	0	+Z	+X	0	0	0.00
216	2X8	12	0	+Z	+X	0	0	0.00
217	4X4	12	0	+Z	+X	0	0	0.00
218	4X4	12	0	+Z	+X	0	0	0.00
219	4X4	12	0	+Z	+X	0	0	0.00
220	4X4	12	0	+Z	+X	0	0	0.00
221	4X4	12	0	+Z	+X	0	0	0.00
222	4X4	12	0	+Z	+X	0	0	0.00
223	4X4	12	0	+Z	+X	0	0	0.00
224	4X4	12	0	+Z	+X	0	0	0.00
225	4X4	12	0	+Z	+X	0	0	0.00
226	4X4	12	0	+Z	+X	0	0	0.00
227	4X4	12	0	+Z	+X	0	0	0.00
228	4X4	12	0	+Z	+X	0	0	0.00
229	4X4	12	0	+Z	+X	0	0	0.00
230	4X4	12	0	+Z	+X	0	0	0.00
231	2X2X4	12	0	+Z	+X	0	0	0.00
232	2X2X4	12	0	+Z	+X	0	0	0.00
233	2X2X4	12	0	+Z	+X	0	0	0.00
235	2X2X4	12	0	+Z	+X	0	0	0.00
237	2X2X4	12	0	+Z	+X	0	0	0.00
238	2X2X4	12	0	+Z	+X	0	0	0.00
239	2X2X4	12	0	+Z	+X	0	0	0.00
240	2X8	12	0	+Z	+X	0	0	0.00
241	4X4	12	0	+Z	+X	0	0	0.00
242	4X4	12	0	+Z	+X	0	0	0.00
243	4X4	12	0	+Z	+X	0	0	0.00
244	4X4	12	0	+Z	+X	0	0	0.00
245	4X4	12	0	+Z	+X	0	0	0.00
246	4X4	12	0	+Z	+X	0	0	0.00
247	4X4	12	0	+Z	+X	0	0	0.00
248	4X4	12	0	+Z	+X	0	0	0.00
249	4X4	12	0	+Z	+X	0	0	0.00
250	4X4	12	0	+Z	+X	0	0	0.00
251	4X4	12	0	+Z	+X	0	0	0.00
252	4X4	12	0	+Z	+X	0	0	0.00
253	4X4	12	0	+Z	+X	0	0	0.00
254	4X4	12	0	+Z	+X	0	0	0.00

255	2X2X4	12	0	+Z	+X	0	0	0.00
256	2X2X4	12	0	+Z	+X	0	0	0.00
257	2X2X4	12	0	+Z	+X	0	0	0.00
259	2X2X4	12	0	+Z	+X	0	0	0.00
261	2X2X4	12	0	+Z	+X	0	0	0.00
262	2X2X4	12	0	+Z	+X	0	0	0.00
263	2X2X4	12	0	+Z	+X	0	0	0.00
264	2X8	12	0	+Z	+X	0	0	0.00
265	4X4	12	0	+Z	+X	0	0	0.00
266	4X4	12	0	+Z	+X	0	0	0.00
267	4X4	12	0	+Z	+X	0	0	0.00
268	4X4	12	0	+Z	+X	0	0	0.00
269	4X4	12	0	+Z	+X	0	0	0.00
270	4X4	12	0	+Z	+X	0	0	0.00
271	4X4	12	0	+Z	+X	0	0	0.00
272	4X4	12	0	+Z	+X	0	0	0.00
273	4X4	12	0	+Z	+X	0	0	0.00
274	4X4	12	0	+Z	+X	0	0	0.00
275	4X4	12	0	+Z	+X	0	0	0.00
276	4X4	12	0	+Z	+X	0	0	0.00
277	4X4	12	0	+Z	+X	0	0	0.00
278	4X4	12	0	+Z	+X	0	0	0.00
279	2X2X4	12	0	+Z	+X	0	0	0.00
280	2X2X4	12	0	+Z	+X	0	0	0.00
282	2X2X4	12	0	+Z	+X	0	0	0.00
283	2X2X4	12	0	+Z	+X	0	0	0.00
284	2X2X4	12	0	+Z	+X	0	0	0.00
286	2X2X4	12	0	+Z	+X	0	0	0.00
287	2X2X4	12	0	+Z	+X	0	0	0.00
288	2X8	12	0	+Z	+X	0	0	0.00
289	4X4	12	0	+Z	+X	0	0	0.00
290	4X4	12	0	+Z	+X	0	0	0.00
291	4X4	12	0	+Z	+X	0	0	0.00
292	4X4	12	0	+Z	+X	0	0	0.00
293	4X4	12	0	+Z	+X	0	0	0.00
294	4X4	12	0	+Z	+X	0	0	0.00
295	4X4	12	0	+Z	+X	0	0	0.00
296	4X4	12	0	+Z	+X	0	0	0.00
297	4X4	12	0	+Z	+X	0	0	0.00
298	4X4	12	0	+Z	+X	0	0	0.00
299	4X4	12	0	+Z	+X	0	0	0.00
300	4X4	12	0	+Z	+X	0	0	0.00
301	4X4	12	0	+Z	+X	0	0	0.00
302	4X4	12	0	+Z	+X	0	0	0.00
303	2X2X4	12	0	+Z	+X	0	0	0.00
305	2X2X4	12	0	+Z	+X	0	0	0.00
306	2X2X4	12	0	+Z	+X	0	0	0.00
307	2X2X4	12	0	+Z	+X	0	0	0.00
308	2X2X4	12	0	+Z	+X	0	0	0.00
309	2X2X4	12	0	+Z	+X	0	0	0.00
311	2X2X4	12	0	+Z	+X	0	0	0.00
312	2X8	12	0	+Z	+X	0	0	0.00
313	4X4	12	0	+Z	+X	0	0	0.00
314	4X4	12	0	+Z	+X	0	0	0.00
315	4X4	12	0	+Z	+X	0	0	0.00
316	4X4	12	0	+Z	+X	0	0	0.00
317	4X4	12	0	+Z	+X	0	0	0.00
318	4X4	12	0	+Z	+X	0	0	0.00
319	4X4	12	0	+Z	+X	0	0	0.00
320	4X4	12	0	+Z	+X	0	0	0.00
321	4X4	12	0	+Z	+X	0	0	0.00
322	4X4	12	0	+Z	+X	0	0	0.00
323	4X4	12	0	+Z	+X	0	0	0.00

324	4X4	12	0	+Z	+X	0	0	0.00
325	4X4	12	0	+Z	+X	0	0	0.00
326	4X4	12	0	+Z	+X	0	0	0.00
328	2X2X4	12	0	+Z	+X	0	0	0.00
329	2X2X4	12	0	+Z	+X	0	0	0.00
330	2X2X4	12	0	+Z	+X	0	0	0.00
331	2X2X4	12	0	+Z	+X	0	0	0.00
332	2X2X4	12	0	+Z	+X	0	0	0.00
333	2X2X4	12	0	+Z	+X	0	0	0.00
334	2X2X4	12	0	+Z	+X	0	0	0.00
336	2X8	12	0	+Z	+X	0	0	0.00
337	4X4	12	0	+Z	+X	0	0	0.00
338	4X4	12	0	+Z	+X	0	0	0.00
339	4X4	12	0	+Z	+X	0	0	0.00
340	4X4	12	0	+Z	+X	0	0	0.00
341	4X4	12	0	+Z	+X	0	0	0.00
342	4X4	12	0	+Z	+X	0	0	0.00
343	4X4	12	0	+Z	+X	0	0	0.00
344	4X4	12	0	+Z	+X	0	0	0.00
345	4X4	12	0	+Z	+X	0	0	0.00
346	4X4	12	0	+Z	+X	0	0	0.00
347	4X4	12	0	+Z	+X	0	0	0.00
348	4X4	12	0	+Z	+X	0	0	0.00
349	4X4	12	0	+Z	+X	0	0	0.00
350	4X4	12	0	+Z	+X	0	0	0.00
351	4X4	12	0	+Z	+X	0	0	0.00

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F R A M E E L E M E N T D A T A

ELEMENT LABEL	END-I RELEASE CODES		END-J RELEASE CODES	
15	R2	R3	R2	R3
16	R2	R3	R2	R3
17	R2	R3	R2	R3
18	R2	R3	R2	R3
19	R2	R3	R2	R3
21	R2	R3	R2	R3
36	R2	R3	R2	R3
37	R2	R3	R2	R3
38	R2	R3	R2	R3
40	R2	R3	R2	R3
41	R2	R3	R2	R3
42	R2	R3	R2	R3
44	R2	R3	R2	R3
45	R2	R3	R2	R3
60	R2	R3	R2	R3
61	R2	R3	R2	R3
62	R2	R3	R2	R3
63	R2	R3	R2	R3
65	R2	R3	R2	R3
67	R2	R3	R2	R3
68	R2	R3	R2	R3
69	R2	R3	R2	R3
84	R2	R3	R2	R3
85	R2	R3	R2	R3
86	R2	R3	R2	R3
87	R2	R3	R2	R3

89	R2	R3	R2	R3
91	R2	R3	R2	R3
92	R2	R3	R2	R3
93	R2	R3	R2	R3
108	R2	R3	R2	R3
109	R2	R3	R2	R3
110	R2	R3	R2	R3
112	R2	R3	R2	R3
113	R2	R3	R2	R3
114	R2	R3	R2	R3
116	R2	R3	R2	R3
117	R2	R3	R2	R3
132	R2	R3	R2	R3
133	R2	R3	R2	R3
135	R2	R3	R2	R3
136	R2	R3	R2	R3
137	R2	R3	R2	R3
138	R2	R3	R2	R3
139	R2	R3	R2	R3
141	R2	R3	R2	R3
158	R2	R3	R2	R3
160	R2	R3	R2	R3
161	R2	R3	R2	R3
162	R2	R3	R2	R3
163	R2	R3	R2	R3
164	R2	R3	R2	R3
165	R2	R3	R2	R3
167	R2	R3	R2	R3
183	R2	R3	R2	R3
185	R2	R3	R2	R3
186	R2	R3	R2	R3
187	R2	R3	R2	R3
188	R2	R3	R2	R3
189	R2	R3	R2	R3
191	R2	R3	R2	R3
192	R2	R3	R2	R3
207	R2	R3	R2	R3
208	R2	R3	R2	R3
210	R2	R3	R2	R3
211	R2	R3	R2	R3
212	R2	R3	R2	R3
214	R2	R3	R2	R3
215	R2	R3	R2	R3
216	R2	R3	R2	R3
231	R2	R3	R2	R3
232	R2	R3	R2	R3
233	R2	R3	R2	R3
235	R2	R3	R2	R3
237	R2	R3	R2	R3
238	R2	R3	R2	R3
239	R2	R3	R2	R3
240	R2	R3	R2	R3
255	R2	R3	R2	R3
256	R2	R3	R2	R3
257	R2	R3	R2	R3
259	R2	R3	R2	R3
261	R2	R3	R2	R3
262	R2	R3	R2	R3
263	R2	R3	R2	R3
264	R2	R3	R2	R3
279	R2	R3	R2	R3
280	R2	R3	R2	R3
282	R2	R3	R2	R3

283	R2	R3	R2	R3
284	R2	R3	R2	R3
286	R2	R3	R2	R3
287	R2	R3	R2	R3
288	R2	R3	R2	R3
303	R2	R3	R2	R3
305	R2	R3	R2	R3
306	R2	R3	R2	R3
307	R2	R3	R2	R3
308	R2	R3	R2	R3
309	R2	R3	R2	R3
311	R2	R3	R2	R3
312	R2	R3	R2	R3
328	R2	R3	R2	R3
329	R2	R3	R2	R3
330	R2	R3	R2	R3
331	R2	R3	R2	R3
332	R2	R3	R2	R3
333	R2	R3	R2	R3
334	R2	R3	R2	R3
336	R2	R3	R2	R3

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T O T A L W E I G H T S A N D M A S S E S

SECTION LABEL	WEIGHT	MASS
4X4	2190.5573	5.6753
2X2X4	1342.6560	3.4786
2X8	202.7970	0.5254
TOTAL	3736.0103	9.6793

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L O A D C O N D I T I O N DEAD

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.1000E+01

L O A D C O N D I T I O N MANIFOLD

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

L O A D C O N D I T I O N TBAR

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
1FIL1	0.000E+00	0.000E+00	-0.960E+02	0.000E+00	0.000E+00	0.000E+00
1FIL2	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
1FIL3	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00

1FIL4	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
1FIL5	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
1FIL6	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
1FIL7	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
1FIL8	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
1FIL9	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
2FIL1	0.000E+00	0.000E+00	-0.143E+03	0.000E+00	0.000E+00	0.000E+00
2FIL2	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
2FIL3	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
2FIL4	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
2FIL5	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
2FIL6	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
2FIL7	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
2FIL8	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
2FIL9	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
3FIL1	0.000E+00	0.000E+00	-0.710E+02	0.000E+00	0.000E+00	0.000E+00
3FIL2	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
3FIL3	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
3FIL4	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
3FIL5	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
3FIL6	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
3FIL7	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
3FIL8	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
3FIL9	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
4FIL1	0.000E+00	0.000E+00	-0.250E+02	0.000E+00	0.000E+00	0.000E+00
4FIL2	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00
4FIL3	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00
4FIL4	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00
4FIL5	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00
4FIL6	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00
4FIL7	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00
4FIL8	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00
4FIL9	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00
1FIL10	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
1FIL11	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
1FIL12	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
1FIL13	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
1FIL14	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
1FIL15	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
2FIL10	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
2FIL11	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
2FIL12	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
2FIL13	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
2FIL14	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
2FIL15	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
3FIL10	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
3FIL11	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
3FIL12	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
3FIL13	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
3FIL14	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
3FIL15	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
4FIL10	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00
4FIL11	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00
4FIL12	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00
4FIL13	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00
4FIL14	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00
4FIL15	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N TOPCOVER

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
P1	0.000E+00	0.000E+00	-0.873E+03	0.000E+00	0.000E+00	0.000E+00
P2	0.000E+00	0.000E+00	-0.153E+04	0.000E+00	0.000E+00	0.000E+00
P3	0.000E+00	0.000E+00	-0.437E+03	0.000E+00	0.000E+00	0.000E+00
P6	0.000E+00	0.000E+00	-0.437E+03	0.000E+00	0.000E+00	0.000E+00
P7	0.000E+00	0.000E+00	-0.153E+04	0.000E+00	0.000E+00	0.000E+00
P8	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00
P9	0.000E+00	0.000E+00	-0.153E+04	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.437E+03	0.000E+00	0.000E+00	0.000E+00
P13	0.000E+00	0.000E+00	-0.437E+03	0.000E+00	0.000E+00	0.000E+00
P14	0.000E+00	0.000E+00	-0.153E+04	0.000E+00	0.000E+00	0.000E+00
P15	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N PEWALLS

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
C8	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
D1	0.000E+00	0.000E+00	-0.940E+02	0.000E+00	0.000E+00	0.000E+00
F1	0.000E+00	0.000E+00	-0.214E+03	0.000E+00	0.000E+00	0.000E+00
F8	0.000E+00	0.000E+00	-0.504E+03	0.000E+00	0.000E+00	0.000E+00
H1	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
H8	0.000E+00	0.000E+00	-0.566E+03	0.000E+00	0.000E+00	0.000E+00
J1	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
J8	0.000E+00	0.000E+00	-0.566E+03	0.000E+00	0.000E+00	0.000E+00
L1	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
L8	0.000E+00	0.000E+00	-0.425E+03	0.000E+00	0.000E+00	0.000E+00
M1	0.000E+00	0.000E+00	-0.184E+03	0.000E+00	0.000E+00	0.000E+00
M8	0.000E+00	0.000E+00	-0.434E+03	0.000E+00	0.000E+00	0.000E+00
P1	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
P8	0.000E+00	0.000E+00	-0.292E+03	0.000E+00	0.000E+00	0.000E+00
C15	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
F15	0.000E+00	0.000E+00	-0.504E+03	0.000E+00	0.000E+00	0.000E+00
H15	0.000E+00	0.000E+00	-0.566E+03	0.000E+00	0.000E+00	0.000E+00
J15	0.000E+00	0.000E+00	-0.566E+03	0.000E+00	0.000E+00	0.000E+00
L15	0.000E+00	0.000E+00	-0.425E+03	0.000E+00	0.000E+00	0.000E+00
M15	0.000E+00	0.000E+00	-0.434E+03	0.000E+00	0.000E+00	0.000E+00
P15	0.000E+00	0.000E+00	-0.292E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N HOTBASIN

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

L O A D C O N D I T I O N DRIFTELM

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
DE1	0.000E+00	0.000E+00	-0.140E+02	0.000E+00	0.000E+00	0.000E+00
DE2	0.000E+00	0.000E+00	-0.280E+02	0.000E+00	0.000E+00	0.000E+00
DE3	0.000E+00	0.000E+00	-0.280E+02	0.000E+00	0.000E+00	0.000E+00

DE4	0.000E+00	0.000E+00	-0.280E+02	0.000E+00	0.000E+00	0.000E+00
DE5	0.000E+00	0.000E+00	-0.280E+02	0.000E+00	0.000E+00	0.000E+00
DE6	0.000E+00	0.000E+00	-0.280E+02	0.000E+00	0.000E+00	0.000E+00
DE7	0.000E+00	0.000E+00	-0.280E+02	0.000E+00	0.000E+00	0.000E+00
DE8	0.000E+00	0.000E+00	-0.280E+02	0.000E+00	0.000E+00	0.000E+00
DE9	0.000E+00	0.000E+00	-0.280E+02	0.000E+00	0.000E+00	0.000E+00
DE10	0.000E+00	0.000E+00	-0.280E+02	0.000E+00	0.000E+00	0.000E+00
DE11	0.000E+00	0.000E+00	-0.280E+02	0.000E+00	0.000E+00	0.000E+00
DE12	0.000E+00	0.000E+00	-0.280E+02	0.000E+00	0.000E+00	0.000E+00
DE13	0.000E+00	0.000E+00	-0.280E+02	0.000E+00	0.000E+00	0.000E+00
DE14	0.000E+00	0.000E+00	-0.280E+02	0.000E+00	0.000E+00	0.000E+00
DE15	0.000E+00	0.000E+00	-0.280E+02	0.000E+00	0.000E+00	0.000E+00
2FIL1	0.000E+00	0.000E+00	-0.180E+02	0.000E+00	0.000E+00	0.000E+00
2FIL2	0.000E+00	0.000E+00	-0.360E+02	0.000E+00	0.000E+00	0.000E+00
2FIL3	0.000E+00	0.000E+00	-0.360E+02	0.000E+00	0.000E+00	0.000E+00
2FIL4	0.000E+00	0.000E+00	-0.360E+02	0.000E+00	0.000E+00	0.000E+00
2FIL5	0.000E+00	0.000E+00	-0.360E+02	0.000E+00	0.000E+00	0.000E+00
2FIL6	0.000E+00	0.000E+00	-0.360E+02	0.000E+00	0.000E+00	0.000E+00
2FIL7	0.000E+00	0.000E+00	-0.360E+02	0.000E+00	0.000E+00	0.000E+00
2FIL8	0.000E+00	0.000E+00	-0.360E+02	0.000E+00	0.000E+00	0.000E+00
2FIL9	0.000E+00	0.000E+00	-0.360E+02	0.000E+00	0.000E+00	0.000E+00
3FIL1	0.000E+00	0.000E+00	-0.620E+02	0.000E+00	0.000E+00	0.000E+00
3FIL2	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
3FIL3	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
3FIL4	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
3FIL5	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
3FIL6	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
3FIL7	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
3FIL8	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
3FIL9	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
4FIL1	0.000E+00	0.000E+00	-0.460E+02	0.000E+00	0.000E+00	0.000E+00
4FIL2	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
4FIL3	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
4FIL4	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
4FIL5	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
4FIL6	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
4FIL7	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
4FIL8	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
4FIL9	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
2FIL10	0.000E+00	0.000E+00	-0.360E+02	0.000E+00	0.000E+00	0.000E+00
2FIL11	0.000E+00	0.000E+00	-0.360E+02	0.000E+00	0.000E+00	0.000E+00
2FIL12	0.000E+00	0.000E+00	-0.360E+02	0.000E+00	0.000E+00	0.000E+00
2FIL13	0.000E+00	0.000E+00	-0.360E+02	0.000E+00	0.000E+00	0.000E+00
2FIL14	0.000E+00	0.000E+00	-0.360E+02	0.000E+00	0.000E+00	0.000E+00
2FIL15	0.000E+00	0.000E+00	-0.360E+02	0.000E+00	0.000E+00	0.000E+00
3FIL10	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
3FIL11	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
3FIL12	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
3FIL13	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
3FIL14	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
3FIL15	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
4FIL10	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
4FIL11	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
4FIL12	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
4FIL13	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
4FIL14	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
4FIL15	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N FANMOTOR

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
P2	0.000E+00	0.000E+00	-0.425E+03	0.000E+00	0.000E+00	0.000E+00
P4	0.000E+00	0.000E+00	-0.187E+04	0.000E+00	0.000E+00	0.000E+00
P5	0.000E+00	0.000E+00	-0.187E+04	0.000E+00	0.000E+00	0.000E+00
P7	0.000E+00	0.000E+00	-0.425E+03	0.000E+00	0.000E+00	0.000E+00
P9	0.000E+00	0.000E+00	-0.425E+03	0.000E+00	0.000E+00	0.000E+00
P11	0.000E+00	0.000E+00	-0.187E+04	0.000E+00	0.000E+00	0.000E+00
P12	0.000E+00	0.000E+00	-0.187E+04	0.000E+00	0.000E+00	0.000E+00
P14	0.000E+00	0.000E+00	-0.425E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N CABLETRY

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

L O A D C O N D I T I O N LOUVERWL

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

L O A D C O N D I T I O N SECDIST

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
DE3	0.000E+00	0.000E+00	-0.108E+04	0.000E+00	0.000E+00	0.000E+00
DE4	0.000E+00	0.000E+00	-0.542E+03	0.000E+00	0.000E+00	0.000E+00

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 22
PROGRAM:SAP2000/FILE:\BentADL.EKO

L O A D C O M B I N A T I O N M U L T I P L I E R S

COMBO LABEL DEADLOAD
COMBO TYPE ABS

LOAD LABEL	MODE NUM	SPEC LABEL	HIST LABEL	MOVE LABEL	COMBO LABEL	SCALE FACTOR
DEAD						1.000
MANIFOLD						1.000
TBAR						1.000
TOPCOVER						1.000
PEWALLS						1.000
HOTBASIN						1.000
DRIFTELM						1.000
FANMOTOR						1.000
CABLETRY						1.000
LOUVERWL						1.000
SECDIST						1.000

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 23
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 O U T P U T   S E L E C T I O N

 DISPLACEMENTS AT JOINTS

      LOAD     MODES      SPEC      HIST      MOVE      COMB
     LABEL               LABEL     LABEL     LABEL     LABEL

                                                       DEADLOAD

 REACTIONS AT JOINTS

      LOAD     MODES      SPEC      HIST      MOVE      COMB
     LABEL               LABEL     LABEL     LABEL     LABEL

      DEAD
  MANIFOLD
      TBAR
  TOPCOVER
   PEWALLS
  HOTBASIN
  DRIFTELM
  FANMOTOR
  CABLETRY
  LOUVERWL
   SECDIST
                                                       DEADLOAD

 INTERNAL FORCES AT ELEMENT FRAME

      LOAD     MODES      SPEC      HIST      MOVE      COMB
     LABEL               LABEL     LABEL     LABEL     LABEL

                                                       DEADLOAD


C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE   24
                                              PROGRAM:SAP2000/FILE:\BentADL.EKO

 I N P U T   C O M P L E T E
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Program SAP2000 Nonlinear Version 7.40                      File:Bent A DL.LOG



B E G I N   A N A L Y S I S                              2005/04/05  18:48:39

MAXIMUM MEMORY BLOCK SIZE (BYTES)         =       7.629 MB


E L E M E N T   F O R M A T I O N                                    18:48:39

NUMBER OF JOINT  ELEMENTS FORMED          =         108
NUMBER OF SPRING ELEMENTS FORMED          =         226
NUMBER OF FRAME  ELEMENTS FORMED          =         321
NUMBER OF CONSTRAINTS FORMED              =           3


E Q U A T I O N   S O L U T I O N                                    18:48:40

TOTAL NUMBER OF EQUILIBRIUM EQUATIONS     =         645
APPROXIMATE "EFFECTIVE" BAND WIDTH        =          23

NUMBER OF EQUATION STORAGE BLOCKS         =           1
MAXIMUM BLOCK SIZE (8-BYTE TERMS)         =       15447
SIZE OF STIFFNESS FILE(S) (BYTES)         =     123.215 KB

NUMBER OF EQUATIONS TO SOLVE              =         645
NUMBER OF STATIC LOAD CASES               =          11
NUMBER OF ACCELERATION LOADS              =           6
NUMBER OF NONLINEAR DEFORMATION LOADS     =           0


J O I N T   O U T P U T                                              18:48:41

G L O B A L   F O R C E   B A L A N C E   R E L A T I V E   E R R O R S

PERCENT FORCE AND MOMENT ERROR AT THE ORIGIN, IN GLOBAL COORDINATES

   LOAD          FX          FY          FZ          MX          MY          MZ
   DEAD     .000000    6.14E-32    5.29E-13    8.89E-14    4.49E-13    1.43E-31
MANIFOLD    .000000     .000000     .000000     .000000     .000000     .000000
   TBAR     .000000     .000000    3.94E-13    9.21E-14    3.86E-13     .000000
TOPCOVER    .000000     .000000    6.47E-13    1.43E-13    6.63E-13     .000000
 PEWALLS    .000000     .000000    5.03E-13    9.65E-14    5.61E-13     .000000
HOTBASIN    .000000     .000000     .000000     .000000     .000000     .000000
DRIFTELM    .000000     .000000    5.10E-13    1.15E-13    5.15E-13     .000000
FANMOTOR    .000000     .000000    6.43E-13    1.45E-13    5.97E-13     .000000
CABLETRY    .000000     .000000     .000000     .000000     .000000     .000000
LOUVERWL    .000000     .000000     .000000     .000000     .000000     .000000
 SECDIST    .000000     .000000    6.16E-13    1.37E-13    1.91E-13     .000000

 COMB MAX/MIN    FX          FY          FZ          MX          MY          MZ
DEADLOAD    .000000    4.78E-33    5.51E-13    1.22E-13    5.50E-13    1.12E-32
DEADLOAD    .000000    4.78E-33    5.51E-13    1.22E-13    5.50E-13    1.12E-32


E L E M E N T   J O I N T - F O R C E   O U T P U T                  18:48:42

NUMBER OF JOINT  ELEMENTS SAVED           =         108
NUMBER OF FRAME  ELEMENTS SAVED           =         321
NUMBER OF SPRING ELEMENTS SAVED           =         226
```

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E L E M E N T   O U T P U T                                          18:48:43

NUMBER OF FRAME  ELEMENTS SAVED          =         321
NUMBER OF FRAME  ELEMENTS PRINTED        =         321


A N A L Y S I S   C O M P L E T E                        2005/04/05  18:48:45
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                    S A P 2 0 0 0 (R)

                Structural Analysis Programs

                   Nonlinear Version 7.40

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        It is the responsibility of the user to verify all
                 results produced by this program

                      5 Apr 2005  18:48:39


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D I S P L A C E M E N T   D E G R E E S   O F   F R E E D O M

        (A) = Active DOF, equilibrium equation
        (-) = Restrained DOF, reaction computed
        (+) = Constrained DOF
        (>) = External substructure DOF
        ( ) = Null DOF

 JOINTS              UX  UY  UZ  RX  RY  RZ
     A2 TO      A9    -   -   -       A
     B2 TO      C9    A       A       A
     D1               -   -   -       A
     F1 TO      M9    A       A       A
     O1 TO      P1    +       A       A
     P2 TO      P6    A       A       A
     P7               +       A       A
     P8 TO      P9    A       A       A
    A10 TO     A15    -   -   -       A
    B10 TO     M15    A       A       A
    O15               +       A       A
    P10 TO     P14    A       A       A
    P15               +       A       A
   DE10 TO  5FIL15    A       A       A

 CONSTRAINTS         U1  U2  U3  R1  R2  R3
    PO1 TO    PO15    A


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                                                                     Page
                                                                        2

A S S E M B L E D   J O I N T   M A S S E S

IN GLOBAL COORDINATES

  JOINT          UX          UY          UZ          RX          RY          RZ
```

A2	0.017761	0.017761	0.017761	.000000	.000000	.000000
A3	0.017761	0.017761	0.017761	.000000	.000000	.000000
A4	0.017761	0.017761	0.017761	.000000	.000000	.000000
A5	0.017761	0.017761	0.017761	.000000	.000000	.000000
A6	0.017761	0.017761	0.017761	.000000	.000000	.000000
A7	0.017761	0.017761	0.017761	.000000	.000000	.000000
A8	0.017761	0.017761	0.017761	.000000	.000000	.000000
A9	0.017761	0.017761	0.017761	.000000	.000000	.000000
B2	0.054080	0.054080	0.054080	.000000	.000000	.000000
B3	0.072198	0.072198	0.072198	.000000	.000000	.000000
B4	0.072198	0.072198	0.072198	.000000	.000000	.000000
B5	0.072198	0.072198	0.072198	.000000	.000000	.000000
B6	0.072198	0.072198	0.072198	.000000	.000000	.000000
B7	0.072198	0.072198	0.072198	.000000	.000000	.000000
B8	0.072198	0.072198	0.072198	.000000	.000000	.000000
B9	0.072198	0.072198	0.072198	.000000	.000000	.000000
C2	0.047988	0.047988	0.047988	.000000	.000000	.000000
C3	0.066106	0.066106	0.066106	.000000	.000000	.000000
C4	0.066106	0.066106	0.066106	.000000	.000000	.000000
C5	0.066106	0.066106	0.066106	.000000	.000000	.000000
C6	0.066106	0.066106	0.066106	.000000	.000000	.000000
C7	0.066106	0.066106	0.066106	.000000	.000000	.000000
C8	0.802806	0.802806	0.802806	.000000	.000000	.000000
C9	0.066106	0.066106	0.066106	.000000	.000000	.000000
D1	0.247958	0.247958	0.247958	.000000	.000000	.000000
F1	0.595023	0.595023	0.595023	.000000	.000000	.000000
F2	0.059941	0.059941	0.059941	.000000	.000000	.000000
F3	0.059941	0.059941	0.059941	.000000	.000000	.000000
F4	0.059941	0.059941	0.059941	.000000	.000000	.000000
F5	0.059941	0.059941	0.059941	.000000	.000000	.000000
F6	0.059941	0.059941	0.059941	.000000	.000000	.000000
F7	0.059941	0.059941	0.059941	.000000	.000000	.000000
F8	1.365441	1.365441	1.365441	.000000	.000000	.000000
F9	0.059941	0.059941	0.059941	.000000	.000000	.000000
H1	0.667400	0.667400	0.667400	.000000	.000000	.000000
H2	0.064418	0.064418	0.064418	.000000	.000000	.000000
H3	0.064418	0.064418	0.064418	.000000	.000000	.000000
H4	0.064418	0.064418	0.064418	.000000	.000000	.000000
H5	0.064418	0.064418	0.064418	.000000	.000000	.000000
H6	0.064418	0.064418	0.064418	.000000	.000000	.000000
H7	0.064418	0.064418	0.064418	.000000	.000000	.000000
H8	1.530218	1.530218	1.530218	.000000	.000000	.000000
H9	0.064418	0.064418	0.064418	.000000	.000000	.000000
J1	0.667400	0.667400	0.667400	.000000	.000000	.000000
J2	0.064418	0.064418	0.064418	.000000	.000000	.000000
J3	0.064418	0.064418	0.064418	.000000	.000000	.000000
J4	0.064418	0.064418	0.064418	.000000	.000000	.000000
J5	0.064418	0.064418	0.064418	.000000	.000000	.000000
J6	0.064418	0.064418	0.064418	.000000	.000000	.000000
J7	0.064418	0.064418	0.064418	.000000	.000000	.000000
J8	1.530218	1.530218	1.530218	.000000	.000000	.000000
J9	0.064418	0.064418	0.064418	.000000	.000000	.000000
L1	0.512100	0.512100	0.512100	.000000	.000000	.000000
L2	0.064418	0.064418	0.064418	.000000	.000000	.000000
L3	0.064418	0.064418	0.064418	.000000	.000000	.000000
L4	0.064418	0.064418	0.064418	.000000	.000000	.000000
L5	0.064418	0.064418	0.064418	.000000	.000000	.000000
L6	0.064418	0.064418	0.064418	.000000	.000000	.000000
L7	0.064418	0.064418	0.064418	.000000	.000000	.000000
L8	1.163818	1.163818	1.163818	.000000	.000000	.000000
L9	0.064418	0.064418	0.064418	.000000	.000000	.000000
M1	0.503434	0.503434	0.503434	.000000	.000000	.000000
M2	0.046051	0.046051	0.046051	.000000	.000000	.000000

M3	0.046051	0.046051	0.046051	.000000	.000000	.000000
M4	0.046051	0.046051	0.046051	.000000	.000000	.000000
M5	0.046051	0.046051	0.046051	.000000	.000000	.000000
M6	0.046051	0.046051	0.046051	.000000	.000000	.000000
M7	0.046051	0.046051	0.046051	.000000	.000000	.000000
M8	1.168351	1.168351	1.168351	.000000	.000000	.000000
M9	0.046051	0.046051	0.046051	.000000	.000000	.000000
O1	0.026293	0.026293	0.026293	.000000	.000000	.000000
O7	0.026293	0.026293	0.026293	.000000	.000000	.000000
P1	2.605330	2.605330	2.605330	.000000	.000000	.000000
P2	5.118922	5.118922	5.118922	.000000	.000000	.000000
P3	1.193822	1.193822	1.193822	.000000	.000000	.000000
P4	3.321122	3.321122	3.321122	.000000	.000000	.000000
P5	3.321122	3.321122	3.321122	.000000	.000000	.000000
P6	1.193822	1.193822	1.193822	.000000	.000000	.000000
P7	5.098794	5.098794	5.098794	.000000	.000000	.000000
P8	5.339822	5.339822	5.339822	.000000	.000000	.000000
P9	5.118922	5.118922	5.118922	.000000	.000000	.000000
A10	0.017761	0.017761	0.017761	.000000	.000000	.000000
A11	0.017761	0.017761	0.017761	.000000	.000000	.000000
A12	0.017761	0.017761	0.017761	.000000	.000000	.000000
A13	0.017761	0.017761	0.017761	.000000	.000000	.000000
A14	0.017761	0.017761	0.017761	.000000	.000000	.000000
A15	0.017761	0.017761	0.017761	.000000	.000000	.000000
B10	0.072198	0.072198	0.072198	.000000	.000000	.000000
B11	0.072198	0.072198	0.072198	.000000	.000000	.000000
B12	0.072198	0.072198	0.072198	.000000	.000000	.000000
B13	0.072198	0.072198	0.072198	.000000	.000000	.000000
B14	0.072198	0.072198	0.072198	.000000	.000000	.000000
B15	0.054080	0.054080	0.054080	.000000	.000000	.000000
C10	0.066106	0.066106	0.066106	.000000	.000000	.000000
C11	0.066106	0.066106	0.066106	.000000	.000000	.000000
C12	0.066106	0.066106	0.066106	.000000	.000000	.000000
C13	0.066106	0.066106	0.066106	.000000	.000000	.000000
C14	0.066106	0.066106	0.066106	.000000	.000000	.000000
C15	0.784688	0.784688	0.784688	.000000	.000000	.000000
DE1	0.050191	0.050191	0.050191	.000000	.000000	.000000
DE2	0.086191	0.086191	0.086191	.000000	.000000	.000000
DE3	2.889891	2.889891	2.889891	.000000	.000000	.000000
DE4	1.487991	1.487991	1.487991	.000000	.000000	.000000
DE5	0.086191	0.086191	0.086191	.000000	.000000	.000000
DE6	0.086191	0.086191	0.086191	.000000	.000000	.000000
DE7	0.086191	0.086191	0.086191	.000000	.000000	.000000
DE8	0.086191	0.086191	0.086191	.000000	.000000	.000000
DE9	0.086191	0.086191	0.086191	.000000	.000000	.000000
F10	0.059941	0.059941	0.059941	.000000	.000000	.000000
F11	0.059941	0.059941	0.059941	.000000	.000000	.000000
F12	0.059941	0.059941	0.059941	.000000	.000000	.000000
F13	0.059941	0.059941	0.059941	.000000	.000000	.000000
F14	0.059941	0.059941	0.059941	.000000	.000000	.000000
F15	1.347323	1.347323	1.347323	.000000	.000000	.000000
H10	0.064418	0.064418	0.064418	.000000	.000000	.000000
H11	0.064418	0.064418	0.064418	.000000	.000000	.000000
H12	0.064418	0.064418	0.064418	.000000	.000000	.000000
H13	0.064418	0.064418	0.064418	.000000	.000000	.000000
H14	0.064418	0.064418	0.064418	.000000	.000000	.000000
H15	1.512100	1.512100	1.512100	.000000	.000000	.000000
J10	0.064418	0.064418	0.064418	.000000	.000000	.000000
J11	0.064418	0.064418	0.064418	.000000	.000000	.000000
J12	0.064418	0.064418	0.064418	.000000	.000000	.000000
J13	0.064418	0.064418	0.064418	.000000	.000000	.000000
J14	0.064418	0.064418	0.064418	.000000	.000000	.000000
J15	1.512100	1.512100	1.512100	.000000	.000000	.000000

L10	0.064418	0.064418	0.064418	.000000	.000000	.000000
L11	0.064418	0.064418	0.064418	.000000	.000000	.000000
L12	0.064418	0.064418	0.064418	.000000	.000000	.000000
L13	0.064418	0.064418	0.064418	.000000	.000000	.000000
L14	0.064418	0.064418	0.064418	.000000	.000000	.000000
L15	1.145700	1.145700	1.145700	.000000	.000000	.000000
M10	0.046051	0.046051	0.046051	.000000	.000000	.000000
M11	0.046051	0.046051	0.046051	.000000	.000000	.000000
M12	0.046051	0.046051	0.046051	.000000	.000000	.000000
M13	0.046051	0.046051	0.046051	.000000	.000000	.000000
M14	0.046051	0.046051	0.046051	.000000	.000000	.000000
M15	1.150234	1.150234	1.150234	.000000	.000000	.000000
O15	0.026293	0.026293	0.026293	.000000	.000000	.000000
P10	1.193822	1.193822	1.193822	.000000	.000000	.000000
P11	3.321122	3.321122	3.321122	.000000	.000000	.000000
P12	3.321122	3.321122	3.321122	.000000	.000000	.000000
P13	1.193822	1.193822	1.193822	.000000	.000000	.000000
P14	5.118922	5.118922	5.118922	.000000	.000000	.000000
P15	5.300930	5.300930	5.300930	.000000	.000000	.000000
DE10	0.086191	0.086191	0.086191	.000000	.000000	.000000
DE11	0.086191	0.086191	0.086191	.000000	.000000	.000000
DE12	0.086191	0.086191	0.086191	.000000	.000000	.000000
DE13	0.086191	0.086191	0.086191	.000000	.000000	.000000
DE14	0.086191	0.086191	0.086191	.000000	.000000	.000000
DE15	0.086191	0.086191	0.086191	.000000	.000000	.000000
1FIL1	0.270518	0.270518	0.270518	.000000	.000000	.000000
1FIL2	0.525430	0.525430	0.525430	.000000	.000000	.000000
1FIL3	0.525430	0.525430	0.525430	.000000	.000000	.000000
1FIL4	0.525430	0.525430	0.525430	.000000	.000000	.000000
1FIL5	0.525430	0.525430	0.525430	.000000	.000000	.000000
1FIL6	0.525430	0.525430	0.525430	.000000	.000000	.000000
1FIL7	0.525430	0.525430	0.525430	.000000	.000000	.000000
1FIL8	0.525430	0.525430	0.525430	.000000	.000000	.000000
1FIL9	0.525430	0.525430	0.525430	.000000	.000000	.000000
2FIL1	0.444383	0.444383	0.444383	.000000	.000000	.000000
2FIL2	0.860683	0.860683	0.860683	.000000	.000000	.000000
2FIL3	0.860683	0.860683	0.860683	.000000	.000000	.000000
2FIL4	0.860683	0.860683	0.860683	.000000	.000000	.000000
2FIL5	0.860683	0.860683	0.860683	.000000	.000000	.000000
2FIL6	0.860683	0.860683	0.860683	.000000	.000000	.000000
2FIL7	0.860683	0.860683	0.860683	.000000	.000000	.000000
2FIL8	0.860683	0.860683	0.860683	.000000	.000000	.000000
2FIL9	0.860683	0.860683	0.860683	.000000	.000000	.000000
3FIL1	0.372983	0.372983	0.372983	.000000	.000000	.000000
3FIL2	0.717683	0.717683	0.717683	.000000	.000000	.000000
3FIL3	0.717683	0.717683	0.717683	.000000	.000000	.000000
3FIL4	0.717683	0.717683	0.717683	.000000	.000000	.000000
3FIL5	0.717683	0.717683	0.717683	.000000	.000000	.000000
3FIL6	0.717683	0.717683	0.717683	.000000	.000000	.000000
3FIL7	0.717683	0.717683	0.717683	.000000	.000000	.000000
3FIL8	0.717683	0.717683	0.717683	.000000	.000000	.000000
3FIL9	0.717683	0.717683	0.717683	.000000	.000000	.000000
4FIL1	0.211883	0.211883	0.211883	.000000	.000000	.000000
4FIL2	0.395483	0.395483	0.395483	.000000	.000000	.000000
4FIL3	0.395483	0.395483	0.395483	.000000	.000000	.000000
4FIL4	0.395483	0.395483	0.395483	.000000	.000000	.000000
4FIL5	0.395483	0.395483	0.395483	.000000	.000000	.000000
4FIL6	0.395483	0.395483	0.395483	.000000	.000000	.000000
4FIL7	0.395483	0.395483	0.395483	.000000	.000000	.000000
4FIL8	0.395483	0.395483	0.395483	.000000	.000000	.000000
4FIL9	0.395483	0.395483	0.395483	.000000	.000000	.000000
5FIL1	0.022899	0.022899	0.022899	.000000	.000000	.000000
5FIL2	0.029064	0.029064	0.029064	.000000	.000000	.000000

5FIL3	0.029064	0.029064	0.029064	.000000	.000000	.000000
5FIL4	0.029064	0.029064	0.029064	.000000	.000000	.000000
5FIL5	0.029064	0.029064	0.029064	.000000	.000000	.000000
5FIL6	0.029064	0.029064	0.029064	.000000	.000000	.000000
5FIL7	0.022899	0.022899	0.022899	.000000	.000000	.000000
5FIL8	0.029064	0.029064	0.029064	.000000	.000000	.000000
5FIL9	0.029064	0.029064	0.029064	.000000	.000000	.000000
1FIL10	0.525430	0.525430	0.525430	.000000	.000000	.000000
1FIL11	0.525430	0.525430	0.525430	.000000	.000000	.000000
1FIL12	0.525430	0.525430	0.525430	.000000	.000000	.000000
1FIL13	0.525430	0.525430	0.525430	.000000	.000000	.000000
1FIL14	0.525430	0.525430	0.525430	.000000	.000000	.000000
1FIL15	0.525430	0.525430	0.525430	.000000	.000000	.000000
2FIL10	0.860683	0.860683	0.860683	.000000	.000000	.000000
2FIL11	0.860683	0.860683	0.860683	.000000	.000000	.000000
2FIL12	0.860683	0.860683	0.860683	.000000	.000000	.000000
2FIL13	0.860683	0.860683	0.860683	.000000	.000000	.000000
2FIL14	0.860683	0.860683	0.860683	.000000	.000000	.000000
2FIL15	0.860683	0.860683	0.860683	.000000	.000000	.000000
3FIL10	0.717683	0.717683	0.717683	.000000	.000000	.000000
3FIL11	0.717683	0.717683	0.717683	.000000	.000000	.000000
3FIL12	0.717683	0.717683	0.717683	.000000	.000000	.000000
3FIL13	0.717683	0.717683	0.717683	.000000	.000000	.000000
3FIL14	0.717683	0.717683	0.717683	.000000	.000000	.000000
3FIL15	0.717683	0.717683	0.717683	.000000	.000000	.000000
4FIL10	0.395483	0.395483	0.395483	.000000	.000000	.000000
4FIL11	0.395483	0.395483	0.395483	.000000	.000000	.000000
4FIL12	0.395483	0.395483	0.395483	.000000	.000000	.000000
4FIL13	0.395483	0.395483	0.395483	.000000	.000000	.000000
4FIL14	0.395483	0.395483	0.395483	.000000	.000000	.000000
4FIL15	0.395483	0.395483	0.395483	.000000	.000000	.000000
5FIL10	0.029064	0.029064	0.029064	.000000	.000000	.000000
5FIL11	0.029064	0.029064	0.029064	.000000	.000000	.000000
5FIL12	0.029064	0.029064	0.029064	.000000	.000000	.000000
5FIL13	0.029064	0.029064	0.029064	.000000	.000000	.000000
5FIL14	0.029064	0.029064	0.029064	.000000	.000000	.000000
5FIL15	0.022899	0.022899	0.022899	.000000	.000000	.000000

T O T A L A S S E M B L E D J O I N T M A S S E S

IN GLOBAL COORDINATES

	UX	UY	UZ	RX	RY	RZ
TOTAL	117.805396	117.805396	117.805396	.000000	.000000	.000000

T O T A L A C C E L E R A T E D M A S S A N D L O C A T I O N

TOTAL MASS ACTIVATED BY ACCELERATION LOADS, IN GLOBAL COORDINATES

	UX	UY	UZ
MASS	117.308783	.000000	117.308783
X-LOC	528.572424	.000000	528.572424
Y-LOC	120.000000	.000000	120.000000
Z-LOC	473.322477	.000000	473.322477

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J O I N T D I S P L A C E M E N T S

TRANSLATIONS AND ROTATIONS, IN GLOBAL COORDINATES

COMBDEADLOAD ---------- MAX

JOINT	UX	UY	UZ	RY
A2	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
A9	.000000	.000000	.000000	.000000
B2	.000000	.000000	0.011083	.000000
B3	.000000	.000000	0.009605	.000000
B4	.000000	.000000	0.012759	.000000
B5	.000000	.000000	0.010847	.000000
B6	.000000	.000000	0.005785	.000000
B7	.000000	.000000	0.011133	.000000
B8	.000000	.000000	0.021243	.000000
B9	.000000	.000000	0.011133	.000000
C2	.000000	.000000	0.022366	.000000
C3	.000000	.000000	0.019347	.000000
C4	.000000	.000000	0.025733	.000000
C5	.000000	.000000	0.021862	.000000
C6	.000000	.000000	0.011612	.000000
C7	.000000	.000000	0.022440	.000000
C8	.000000	.000000	0.042912	.000000
C9	.000000	.000000	0.022440	.000000
D1	.000000	.000000	.000000	.000000
F1	.000000	.000000	0.011399	.000000
F2	.000000	.000000	0.039151	.000000
F3	.000000	.000000	0.033696	.000000
F4	.000000	.000000	0.045112	.000000
F5	.000000	.000000	0.038191	.000000
F6	.000000	.000000	0.019866	.000000
F7	.000000	.000000	0.039225	.000000
F8	.000000	.000000	0.074219	.000000
F9	.000000	.000000	0.039225	.000000
H1	.000000	.000000	0.023838	.000000
H2	.000000	.000000	0.053858	.000000
H3	.000000	.000000	0.045979	.000000
H4	.000000	.000000	0.062400	.000000
H5	.000000	.000000	0.052445	.000000
H6	.000000	.000000	0.026088	.000000
H7	.000000	.000000	0.053932	.000000
H8	.000000	.000000	0.100553	.000000
H9	.000000	.000000	0.053932	.000000
J1	.000000	.000000	0.033989	.000000
J2	.000000	.000000	0.066799	.000000
J3	.000000	.000000	0.056497	.000000
J4	.000000	.000000	0.077922	.000000
J5	.000000	.000000	0.064932	.000000
J6	.000000	.000000	0.030543	.000000
J7	.000000	.000000	0.066874	.000000
J8	.000000	.000000	0.121952	.000000
J9	.000000	.000000	0.066874	.000000
L1	.000000	.000000	0.042152	.000000
L2	.000000	.000000	0.078572	.000000
L3	.000000	.000000	0.065846	.000000
L4	.000000	.000000	0.092275	.000000
L5	.000000	.000000	0.076252	.000000

L6	.000000	.000000	0.033829	.000000
L7	.000000	.000000	0.078646	.000000
L8	.000000	.000000	0.139015	.000000
L9	.000000	.000000	0.078646	.000000
M1	.000000	.000000	0.045594	.000000
M2	.000000	.000000	0.084235	.000000
M3	.000000	.000000	0.068781	.000000
M4	.000000	.000000	0.098470	.000000
M5	.000000	.000000	0.081688	.000000
M6	.000000	.000000	0.035249	.000000
M7	.000000	.000000	0.084309	.000000
M8	.000000	.000000	0.146133	.000000
M9	.000000	.000000	0.084309	.000000
O1	.000000	.000000	0.050224	.000000
O7	.000000	.000000	0.093320	.000000
P1	.000000	.000000	0.051456	.000000
P2	.000000	.000000	0.095657	.000000
P3	.000000	.000000	0.071452	.000000
P4	.000000	.000000	0.109424	.000000
P5	.000000	.000000	0.092643	.000000
P6	.000000	.000000	0.037920	.000000
P7	.000000	.000000	0.095732	.000000
P8	.000000	.000000	0.158052	.000000
P9	.000000	.000000	0.095732	.000000
A10	.000000	.000000	.000000	.000000
A11	.000000	.000000	.000000	.000000
A12	.000000	.000000	.000000	.000000
A13	.000000	.000000	.000000	.000000
A14	.000000	.000000	.000000	.000000
A15	.000000	.000000	.000000	.000000
B10	.000000	.000000	0.005785	.000000
B11	.000000	.000000	0.010847	.000000
B12	.000000	.000000	0.010847	.000000
B13	.000000	.000000	0.005785	.000000
B14	.000000	.000000	0.011133	.000000
B15	.000000	.000000	0.021045	.000000
C10	.000000	.000000	0.011612	.000000
C11	.000000	.000000	0.021862	.000000
C12	.000000	.000000	0.021862	.000000
C13	.000000	.000000	0.011612	.000000
C14	.000000	.000000	0.022440	.000000
C15	.000000	.000000	0.042536	.000000
DE1	.000000	.000000	0.043887	.000000
DE2	.000000	.000000	0.081427	.000000
DE3	.000000	.000000	0.068095	.000000
DE4	.000000	.000000	0.095775	.000000
DE5	.000000	.000000	0.078993	.000000
DE6	.000000	.000000	0.034563	.000000
DE7	.000000	.000000	0.081501	.000000
DE8	.000000	.000000	0.142597	.000000
DE9	.000000	.000000	0.081501	.000000
F10	.000000	.000000	0.019866	.000000
F11	.000000	.000000	0.038191	.000000
F12	.000000	.000000	0.038191	.000000
F13	.000000	.000000	0.019866	.000000
F14	.000000	.000000	0.039225	.000000
F15	.000000	.000000	0.073606	.000000
H10	.000000	.000000	0.026088	.000000
H11	.000000	.000000	0.052445	.000000
H12	.000000	.000000	0.052445	.000000
H13	.000000	.000000	0.026088	.000000
H14	.000000	.000000	0.053932	.000000
H15	.000000	.000000	0.099742	.000000

J10	.000000	.000000	0.030543	.000000
J11	.000000	.000000	0.064932	.000000
J12	.000000	.000000	0.064932	.000000
J13	.000000	.000000	0.030543	.000000
J14	.000000	.000000	0.066874	.000000
J15	.000000	.000000	0.120984	.000000
L10	.000000	.000000	0.033829	.000000
L11	.000000	.000000	0.076252	.000000
L12	.000000	.000000	0.076252	.000000
L13	.000000	.000000	0.033829	.000000
L14	.000000	.000000	0.078646	.000000
L15	.000000	.000000	0.137927	.000000
M10	.000000	.000000	0.035249	.000000
M11	.000000	.000000	0.081688	.000000
M12	.000000	.000000	0.081688	.000000
M13	.000000	.000000	0.035249	.000000
M14	.000000	.000000	0.084309	.000000
M15	.000000	.000000	0.145006	.000000
O15	.000000	.000000	0.154374	.000000
P10	.000000	.000000	0.037920	.000000
P11	.000000	.000000	0.092643	.000000
P12	.000000	.000000	0.092643	.000000
P13	.000000	.000000	0.037920	.000000
P14	.000000	.000000	0.095732	.000000
P15	.000000	.000000	0.156883	.000000
DE10	.000000	.000000	0.034563	.000000
DE11	.000000	.000000	0.078993	.000000
DE12	.000000	.000000	0.078993	.000000
DE13	.000000	.000000	0.034563	.000000
DE14	.000000	.000000	0.081501	.000000
DE15	.000000	.000000	0.141490	.000000
1FIL1	.000000	.000000	0.002858	.000000
1FIL2	.000000	.000000	0.029556	.000000
1FIL3	.000000	.000000	0.025534	.000000
1FIL4	.000000	.000000	0.033992	.000000
1FIL5	.000000	.000000	0.028865	.000000
1FIL6	.000000	.000000	0.015289	.000000
1FIL7	.000000	.000000	0.029631	.000000
1FIL8	.000000	.000000	0.056085	.000000
1FIL9	.000000	.000000	0.029631	.000000
2FIL1	.000000	.000000	0.014689	.000000
2FIL2	.000000	.000000	0.043176	.000000
2FIL3	.000000	.000000	0.037115	.000000
2FIL4	.000000	.000000	0.049782	.000000
2FIL5	.000000	.000000	0.042103	.000000
2FIL6	.000000	.000000	0.021770	.000000
2FIL7	.000000	.000000	0.043250	.000000
2FIL8	.000000	.000000	0.081151	.000000
2FIL9	.000000	.000000	0.043250	.000000
3FIL1	.000000	.000000	0.026527	.000000
3FIL2	.000000	.000000	0.057384	.000000
3FIL3	.000000	.000000	0.048899	.000000
3FIL4	.000000	.000000	0.066571	.000000
3FIL5	.000000	.000000	0.055857	.000000
3FIL6	.000000	.000000	0.027492	.000000
3FIL7	.000000	.000000	0.057458	.000000
3FIL8	.000000	.000000	0.106193	.000000
3FIL9	.000000	.000000	0.057458	.000000
4FIL1	.000000	.000000	0.036116	.000000
4FIL2	.000000	.000000	0.069903	.000000
4FIL3	.000000	.000000	0.058994	.000000
4FIL4	.000000	.000000	0.081670	.000000
4FIL5	.000000	.000000	0.067923	.000000

4FIL6	.000000	.000000	0.031525	.000000
4FIL7	.000000	.000000	0.069977	.000000
4FIL8	.000000	.000000	0.126378	.000000
4FIL9	.000000	.000000	0.069977	.000000
5FIL1	.000000	.000000	0.046159	.000000
5FIL2	.000000	.000000	0.085329	.000000
5FIL3	.000000	.000000	0.069041	.000000
5FIL4	.000000	.000000	0.099519	.000000
5FIL5	.000000	.000000	0.082738	.000000
5FIL6	.000000	.000000	0.035510	.000000
5FIL7	.000000	.000000	0.085404	.000000
5FIL8	.000000	.000000	0.147275	.000000
5FIL9	.000000	.000000	0.085404	.000000
1FIL10	.000000	.000000	0.015289	.000000
1FIL11	.000000	.000000	0.028865	.000000
1FIL12	.000000	.000000	0.028865	.000000
1FIL13	.000000	.000000	0.015289	.000000
1FIL14	.000000	.000000	0.029631	.000000
1FIL15	.000000	.000000	0.055611	.000000
2FIL10	.000000	.000000	0.021770	.000000
2FIL11	.000000	.000000	0.042103	.000000
2FIL12	.000000	.000000	0.042103	.000000
2FIL13	.000000	.000000	0.021770	.000000
2FIL14	.000000	.000000	0.043250	.000000
2FIL15	.000000	.000000	0.080488	.000000
3FIL10	.000000	.000000	0.027492	.000000
3FIL11	.000000	.000000	0.055857	.000000
3FIL12	.000000	.000000	0.055857	.000000
3FIL13	.000000	.000000	0.027492	.000000
3FIL14	.000000	.000000	0.057458	.000000
3FIL15	.000000	.000000	0.105343	.000000
4FIL10	.000000	.000000	0.031525	.000000
4FIL11	.000000	.000000	0.067923	.000000
4FIL12	.000000	.000000	0.067923	.000000
4FIL13	.000000	.000000	0.031525	.000000
4FIL14	.000000	.000000	0.069977	.000000
4FIL15	.000000	.000000	0.125380	.000000
5FIL10	.000000	.000000	0.035510	.000000
5FIL11	.000000	.000000	0.082738	.000000
5FIL12	.000000	.000000	0.082738	.000000
5FIL13	.000000	.000000	0.035510	.000000
5FIL14	.000000	.000000	0.085404	.000000
5FIL15	.000000	.000000	0.146144	.000000

COMBDEADLOAD ---------- MIN

JOINT	UX	UY	UZ	RY
A2	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
A9	.000000	.000000	.000000	.000000
B2	.000000	.000000	-0.011083	.000000
B3	.000000	.000000	-0.009605	.000000
B4	.000000	.000000	-0.012759	.000000
B5	.000000	.000000	-0.010847	.000000
B6	.000000	.000000	-0.005785	.000000
B7	.000000	.000000	-0.011133	.000000
B8	.000000	.000000	-0.021243	.000000
B9	.000000	.000000	-0.011133	.000000

C2	.000000	.000000	-0.022366	.000000
C3	.000000	.000000	-0.019347	.000000
C4	.000000	.000000	-0.025733	.000000
C5	.000000	.000000	-0.021862	.000000
C6	.000000	.000000	-0.011612	.000000
C7	.000000	.000000	-0.022440	.000000
C8	.000000	.000000	-0.042912	.000000
C9	.000000	.000000	-0.022440	.000000
D1	.000000	.000000	.000000	.000000
F1	.000000	.000000	-0.011399	.000000
F2	.000000	.000000	-0.039151	.000000
F3	.000000	.000000	-0.033696	.000000
F4	.000000	.000000	-0.045112	.000000
F5	.000000	.000000	-0.038191	.000000
F6	.000000	.000000	-0.019866	.000000
F7	.000000	.000000	-0.039225	.000000
F8	.000000	.000000	-0.074219	.000000
F9	.000000	.000000	-0.039225	.000000
H1	.000000	.000000	-0.023838	.000000
H2	.000000	.000000	-0.053858	.000000
H3	.000000	.000000	-0.045979	.000000
H4	.000000	.000000	-0.062400	.000000
H5	.000000	.000000	-0.052445	.000000
H6	.000000	.000000	-0.026088	.000000
H7	.000000	.000000	-0.053932	.000000
H8	.000000	.000000	-0.100553	.000000
H9	.000000	.000000	-0.053932	.000000
J1	.000000	.000000	-0.033989	.000000
J2	.000000	.000000	-0.066799	.000000
J3	.000000	.000000	-0.056497	.000000
J4	.000000	.000000	-0.077922	.000000
J5	.000000	.000000	-0.064932	.000000
J6	.000000	.000000	-0.030543	.000000
J7	.000000	.000000	-0.066874	.000000
J8	.000000	.000000	-0.121952	.000000
J9	.000000	.000000	-0.066874	.000000
L1	.000000	.000000	-0.042152	.000000
L2	.000000	.000000	-0.078572	.000000
L3	.000000	.000000	-0.065846	.000000
L4	.000000	.000000	-0.092275	.000000
L5	.000000	.000000	-0.076252	.000000
L6	.000000	.000000	-0.033829	.000000
L7	.000000	.000000	-0.078646	.000000
L8	.000000	.000000	-0.139015	.000000
L9	.000000	.000000	-0.078646	.000000
M1	.000000	.000000	-0.045594	.000000
M2	.000000	.000000	-0.084235	.000000
M3	.000000	.000000	-0.068781	.000000
M4	.000000	.000000	-0.098470	.000000
M5	.000000	.000000	-0.081688	.000000
M6	.000000	.000000	-0.035249	.000000
M7	.000000	.000000	-0.084309	.000000
M8	.000000	.000000	-0.146133	.000000
M9	.000000	.000000	-0.084309	.000000
O1	.000000	.000000	-0.050224	.000000
O7	.000000	.000000	-0.093320	.000000
P1	.000000	.000000	-0.051456	.000000
P2	.000000	.000000	-0.095657	.000000
P3	.000000	.000000	-0.071452	.000000
P4	.000000	.000000	-0.109424	.000000
P5	.000000	.000000	-0.092643	.000000
P6	.000000	.000000	-0.037920	.000000
P7	.000000	.000000	-0.095732	.000000

P8	.000000	.000000	-0.158052	.000000
P9	.000000	.000000	-0.095732	.000000
A10	.000000	.000000	.000000	.000000
A11	.000000	.000000	.000000	.000000
A12	.000000	.000000	.000000	.000000
A13	.000000	.000000	.000000	.000000
A14	.000000	.000000	.000000	.000000
A15	.000000	.000000	.000000	.000000
B10	.000000	.000000	-0.005785	.000000
B11	.000000	.000000	-0.010847	.000000
B12	.000000	.000000	-0.010847	.000000
B13	.000000	.000000	-0.005785	.000000
B14	.000000	.000000	-0.011133	.000000
B15	.000000	.000000	-0.021045	.000000
C10	.000000	.000000	-0.011612	.000000
C11	.000000	.000000	-0.021862	.000000
C12	.000000	.000000	-0.021862	.000000
C13	.000000	.000000	-0.011612	.000000
C14	.000000	.000000	-0.022440	.000000
C15	.000000	.000000	-0.042536	.000000
DE1	.000000	.000000	-0.043887	.000000
DE2	.000000	.000000	-0.081427	.000000
DE3	.000000	.000000	-0.068095	.000000
DE4	.000000	.000000	-0.095775	.000000
DE5	.000000	.000000	-0.078993	.000000
DE6	.000000	.000000	-0.034563	.000000
DE7	.000000	.000000	-0.081501	.000000
DE8	.000000	.000000	-0.142597	.000000
DE9	.000000	.000000	-0.081501	.000000
F10	.000000	.000000	-0.019866	.000000
F11	.000000	.000000	-0.038191	.000000
F12	.000000	.000000	-0.038191	.000000
F13	.000000	.000000	-0.019866	.000000
F14	.000000	.000000	-0.039225	.000000
F15	.000000	.000000	-0.073606	.000000
H10	.000000	.000000	-0.026088	.000000
H11	.000000	.000000	-0.052445	.000000
H12	.000000	.000000	-0.052445	.000000
H13	.000000	.000000	-0.026088	.000000
H14	.000000	.000000	-0.053932	.000000
H15	.000000	.000000	-0.099742	.000000
J10	.000000	.000000	-0.030543	.000000
J11	.000000	.000000	-0.064932	.000000
J12	.000000	.000000	-0.064932	.000000
J13	.000000	.000000	-0.030543	.000000
J14	.000000	.000000	-0.066874	.000000
J15	.000000	.000000	-0.120984	.000000
L10	.000000	.000000	-0.033829	.000000
L11	.000000	.000000	-0.076252	.000000
L12	.000000	.000000	-0.076252	.000000
L13	.000000	.000000	-0.033829	.000000
L14	.000000	.000000	-0.078646	.000000
L15	.000000	.000000	-0.137927	.000000
M10	.000000	.000000	-0.035249	.000000
M11	.000000	.000000	-0.081688	.000000
M12	.000000	.000000	-0.081688	.000000
M13	.000000	.000000	-0.035249	.000000
M14	.000000	.000000	-0.084309	.000000
M15	.000000	.000000	-0.145006	.000000
O15	.000000	.000000	-0.154374	.000000
P10	.000000	.000000	-0.037920	.000000
P11	.000000	.000000	-0.092643	.000000
P12	.000000	.000000	-0.092643	.000000

P13	.000000	.000000	-0.037920	.000000
P14	.000000	.000000	-0.095732	.000000
P15	.000000	.000000	-0.156883	.000000
DE10	.000000	.000000	-0.034563	.000000
DE11	.000000	.000000	-0.078993	.000000
DE12	.000000	.000000	-0.078993	.000000
DE13	.000000	.000000	-0.034563	.000000
DE14	.000000	.000000	-0.081501	.000000
DE15	.000000	.000000	-0.141490	.000000
1FIL1	.000000	.000000	-0.002858	.000000
1FIL2	.000000	.000000	-0.029556	.000000
1FIL3	.000000	.000000	-0.025534	.000000
1FIL4	.000000	.000000	-0.033992	.000000
1FIL5	.000000	.000000	-0.028865	.000000
1FIL6	.000000	.000000	-0.015289	.000000
1FIL7	.000000	.000000	-0.029631	.000000
1FIL8	.000000	.000000	-0.056085	.000000
1FIL9	.000000	.000000	-0.029631	.000000
2FIL1	.000000	.000000	-0.014689	.000000
2FIL2	.000000	.000000	-0.043176	.000000
2FIL3	.000000	.000000	-0.037115	.000000
2FIL4	.000000	.000000	-0.049782	.000000
2FIL5	.000000	.000000	-0.042103	.000000
2FIL6	.000000	.000000	-0.021770	.000000
2FIL7	.000000	.000000	-0.043250	.000000
2FIL8	.000000	.000000	-0.081151	.000000
2FIL9	.000000	.000000	-0.043250	.000000
3FIL1	.000000	.000000	-0.026527	.000000
3FIL2	.000000	.000000	-0.057384	.000000
3FIL3	.000000	.000000	-0.048899	.000000
3FIL4	.000000	.000000	-0.066571	.000000
3FIL5	.000000	.000000	-0.055857	.000000
3FIL6	.000000	.000000	-0.027492	.000000
3FIL7	.000000	.000000	-0.057458	.000000
3FIL8	.000000	.000000	-0.106193	.000000
3FIL9	.000000	.000000	-0.057458	.000000
4FIL1	.000000	.000000	-0.036116	.000000
4FIL2	.000000	.000000	-0.069903	.000000
4FIL3	.000000	.000000	-0.058994	.000000
4FIL4	.000000	.000000	-0.081670	.000000
4FIL5	.000000	.000000	-0.067923	.000000
4FIL6	.000000	.000000	-0.031525	.000000
4FIL7	.000000	.000000	-0.069977	.000000
4FIL8	.000000	.000000	-0.126378	.000000
4FIL9	.000000	.000000	-0.069977	.000000
5FIL1	.000000	.000000	-0.046159	.000000
5FIL2	.000000	.000000	-0.085329	.000000
5FIL3	.000000	.000000	-0.069041	.000000
5FIL4	.000000	.000000	-0.099519	.000000
5FIL5	.000000	.000000	-0.082738	.000000
5FIL6	.000000	.000000	-0.035510	.000000
5FIL7	.000000	.000000	-0.085404	.000000
5FIL8	.000000	.000000	-0.147275	.000000
5FIL9	.000000	.000000	-0.085404	.000000
1FIL10	.000000	.000000	-0.015289	.000000
1FIL11	.000000	.000000	-0.028865	.000000
1FIL12	.000000	.000000	-0.028865	.000000
1FIL13	.000000	.000000	-0.015289	.000000
1FIL14	.000000	.000000	-0.029631	.000000
1FIL15	.000000	.000000	-0.055611	.000000
2FIL10	.000000	.000000	-0.021770	.000000
2FIL11	.000000	.000000	-0.042103	.000000
2FIL12	.000000	.000000	-0.042103	.000000

2FIL13	.000000	.000000	-0.021770	.000000
2FIL14	.000000	.000000	-0.043250	.000000
2FIL15	.000000	.000000	-0.080488	.000000
3FIL10	.000000	.000000	-0.027492	.000000
3FIL11	.000000	.000000	-0.055857	.000000
3FIL12	.000000	.000000	-0.055857	.000000
3FIL13	.000000	.000000	-0.027492	.000000
3FIL14	.000000	.000000	-0.057458	.000000
3FIL15	.000000	.000000	-0.105343	.000000
4FIL10	.000000	.000000	-0.031525	.000000
4FIL11	.000000	.000000	-0.067923	.000000
4FIL12	.000000	.000000	-0.067923	.000000
4FIL13	.000000	.000000	-0.031525	.000000
4FIL14	.000000	.000000	-0.069977	.000000
4FIL15	.000000	.000000	-0.125380	.000000
5FIL10	.000000	.000000	-0.035510	.000000
5FIL11	.000000	.000000	-0.082738	.000000
5FIL12	.000000	.000000	-0.082738	.000000
5FIL13	.000000	.000000	-0.035510	.000000
5FIL14	.000000	.000000	-0.085404	.000000
5FIL15	.000000	.000000	-0.146144	.000000

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S P R I N G F O R C E S

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

LOAD DEAD ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
A9	.000000	.000000	.000000	.000000
B2	.000000	.000000	.000000	.000000
B3	.000000	.000000	.000000	.000000
B4	.000000	.000000	.000000	.000000
B5	.000000	.000000	.000000	.000000
B6	.000000	.000000	.000000	.000000
B7	.000000	.000000	.000000	.000000
B8	.000000	.000000	.000000	.000000
B9	.000000	.000000	.000000	.000000
C2	.000000	.000000	.000000	.000000
C3	.000000	.000000	.000000	.000000
C4	.000000	.000000	.000000	.000000
C5	.000000	.000000	.000000	.000000
C6	.000000	.000000	.000000	.000000
C7	.000000	.000000	.000000	.000000
C8	.000000	.000000	.000000	.000000
C9	.000000	.000000	.000000	.000000
D1	.000000	.000000	.000000	.000000
F1	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F4	.000000	.000000	.000000	.000000

F5	.000000	.000000	.000000	.000000
F6	.000000	.000000	.000000	.000000
F7	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
H1	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H4	.000000	.000000	.000000	.000000
H5	.000000	.000000	.000000	.000000
H6	.000000	.000000	.000000	.000000
H7	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J4	.000000	.000000	.000000	.000000
J5	.000000	.000000	.000000	.000000
J6	.000000	.000000	.000000	.000000
J7	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L4	.000000	.000000	.000000	.000000
L5	.000000	.000000	.000000	.000000
L6	.000000	.000000	.000000	.000000
L7	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
A10	.000000	.000000	.000000	.000000
A11	.000000	.000000	.000000	.000000
A12	.000000	.000000	.000000	.000000
A13	.000000	.000000	.000000	.000000
A14	.000000	.000000	.000000	.000000
A15	.000000	.000000	.000000	.000000
B10	.000000	.000000	.000000	.000000
B11	.000000	.000000	.000000	.000000
B12	.000000	.000000	.000000	.000000
B13	.000000	.000000	.000000	.000000
B14	.000000	.000000	.000000	.000000

B15	.000000	.000000	.000000	.000000
C10	.000000	.000000	.000000	.000000
C11	.000000	.000000	.000000	.000000
C12	.000000	.000000	.000000	.000000
C13	.000000	.000000	.000000	.000000
C14	.000000	.000000	.000000	.000000
C15	.000000	.000000	.000000	.000000
DE1	.000000	.000000	.000000	.000000
DE2	.000000	.000000	.000000	.000000
DE3	.000000	.000000	.000000	.000000
DE4	.000000	.000000	.000000	.000000
DE5	.000000	.000000	.000000	.000000
DE6	.000000	.000000	.000000	.000000
DE7	.000000	.000000	.000000	.000000
DE8	.000000	.000000	.000000	.000000
DE9	.000000	.000000	.000000	.000000
F10	.000000	.000000	.000000	.000000
F11	.000000	.000000	.000000	.000000
F12	.000000	.000000	.000000	.000000
F13	.000000	.000000	.000000	.000000
F14	.000000	.000000	.000000	.000000
F15	.000000	.000000	.000000	.000000
H10	.000000	.000000	.000000	.000000
H11	.000000	.000000	.000000	.000000
H12	.000000	.000000	.000000	.000000
H13	.000000	.000000	.000000	.000000
H14	.000000	.000000	.000000	.000000
H15	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
J11	.000000	.000000	.000000	.000000
J12	.000000	.000000	.000000	.000000
J13	.000000	.000000	.000000	.000000
J14	.000000	.000000	.000000	.000000
J15	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
L11	.000000	.000000	.000000	.000000
L12	.000000	.000000	.000000	.000000
L13	.000000	.000000	.000000	.000000
L14	.000000	.000000	.000000	.000000
L15	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000
P11	.000000	.000000	.000000	.000000
P12	.000000	.000000	.000000	.000000
P13	.000000	.000000	.000000	.000000
P14	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
DE10	.000000	.000000	.000000	.000000
DE11	.000000	.000000	.000000	.000000
DE12	.000000	.000000	.000000	.000000
DE13	.000000	.000000	.000000	.000000
DE14	.000000	.000000	.000000	.000000
DE15	.000000	.000000	.000000	.000000
1FIL1	.000000	.000000	.000000	.000000
1FIL2	.000000	.000000	.000000	.000000
1FIL3	.000000	.000000	.000000	.000000
1FIL4	.000000	.000000	.000000	.000000

1FIL5	.000000	.000000	.000000	.000000
1FIL6	.000000	.000000	.000000	.000000
1FIL7	.000000	.000000	.000000	.000000
1FIL8	.000000	.000000	.000000	.000000
1FIL9	.000000	.000000	.000000	.000000
2FIL1	.000000	.000000	.000000	.000000
2FIL2	.000000	.000000	.000000	.000000
2FIL3	.000000	.000000	.000000	.000000
2FIL4	.000000	.000000	.000000	.000000
2FIL5	.000000	.000000	.000000	.000000
2FIL6	.000000	.000000	.000000	.000000
2FIL7	.000000	.000000	.000000	.000000
2FIL8	.000000	.000000	.000000	.000000
2FIL9	.000000	.000000	.000000	.000000
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3FIL4	.000000	.000000	.000000	.000000
3FIL5	.000000	.000000	.000000	.000000
3FIL6	.000000	.000000	.000000	.000000
3FIL7	.000000	.000000	.000000	.000000
3FIL8	.000000	.000000	.000000	.000000
3FIL9	.000000	.000000	.000000	.000000
4FIL1	.000000	.000000	.000000	.000000
4FIL2	.000000	.000000	.000000	.000000
4FIL3	.000000	.000000	.000000	.000000
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4FIL5	.000000	.000000	.000000	.000000
4FIL6	.000000	.000000	.000000	.000000
4FIL7	.000000	.000000	.000000	.000000
4FIL8	.000000	.000000	.000000	.000000
4FIL9	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
1FIL10	.000000	.000000	.000000	.000000
1FIL11	.000000	.000000	.000000	.000000
1FIL12	.000000	.000000	.000000	.000000
1FIL13	.000000	.000000	.000000	.000000
1FIL14	.000000	.000000	.000000	.000000
1FIL15	.000000	.000000	.000000	.000000
2FIL10	.000000	.000000	.000000	.000000
2FIL11	.000000	.000000	.000000	.000000
2FIL12	.000000	.000000	.000000	.000000
2FIL13	.000000	.000000	.000000	.000000
2FIL14	.000000	.000000	.000000	.000000
2FIL15	.000000	.000000	.000000	.000000
3FIL10	.000000	.000000	.000000	.000000
3FIL11	.000000	.000000	.000000	.000000
3FIL12	.000000	.000000	.000000	.000000
3FIL13	.000000	.000000	.000000	.000000
3FIL14	.000000	.000000	.000000	.000000
3FIL15	.000000	.000000	.000000	.000000
4FIL10	.000000	.000000	.000000	.000000
4FIL11	.000000	.000000	.000000	.000000
4FIL12	.000000	.000000	.000000	.000000
4FIL13	.000000	.000000	.000000	.000000

4FIL14	.000000	.000000	.000000	.000000
4FIL15	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADMANIFOLD ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
A9	.000000	.000000	.000000	.000000
B2	.000000	.000000	.000000	.000000
B3	.000000	.000000	.000000	.000000
B4	.000000	.000000	.000000	.000000
B5	.000000	.000000	.000000	.000000
B6	.000000	.000000	.000000	.000000
B7	.000000	.000000	.000000	.000000
B8	.000000	.000000	.000000	.000000
B9	.000000	.000000	.000000	.000000
C2	.000000	.000000	.000000	.000000
C3	.000000	.000000	.000000	.000000
C4	.000000	.000000	.000000	.000000
C5	.000000	.000000	.000000	.000000
C6	.000000	.000000	.000000	.000000
C7	.000000	.000000	.000000	.000000
C8	.000000	.000000	.000000	.000000
C9	.000000	.000000	.000000	.000000
D1	.000000	.000000	.000000	.000000
F1	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F4	.000000	.000000	.000000	.000000
F5	.000000	.000000	.000000	.000000
F6	.000000	.000000	.000000	.000000
F7	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
H1	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H4	.000000	.000000	.000000	.000000
H5	.000000	.000000	.000000	.000000
H6	.000000	.000000	.000000	.000000
H7	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J4	.000000	.000000	.000000	.000000
J5	.000000	.000000	.000000	.000000
J6	.000000	.000000	.000000	.000000
J7	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000

J9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L4	.000000	.000000	.000000	.000000
L5	.000000	.000000	.000000	.000000
L6	.000000	.000000	.000000	.000000
L7	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
A10	.000000	.000000	.000000	.000000
A11	.000000	.000000	.000000	.000000
A12	.000000	.000000	.000000	.000000
A13	.000000	.000000	.000000	.000000
A14	.000000	.000000	.000000	.000000
A15	.000000	.000000	.000000	.000000
B10	.000000	.000000	.000000	.000000
B11	.000000	.000000	.000000	.000000
B12	.000000	.000000	.000000	.000000
B13	.000000	.000000	.000000	.000000
B14	.000000	.000000	.000000	.000000
B15	.000000	.000000	.000000	.000000
C10	.000000	.000000	.000000	.000000
C11	.000000	.000000	.000000	.000000
C12	.000000	.000000	.000000	.000000
C13	.000000	.000000	.000000	.000000
C14	.000000	.000000	.000000	.000000
C15	.000000	.000000	.000000	.000000
DE1	.000000	.000000	.000000	.000000
DE2	.000000	.000000	.000000	.000000
DE3	.000000	.000000	.000000	.000000
DE4	.000000	.000000	.000000	.000000
DE5	.000000	.000000	.000000	.000000
DE6	.000000	.000000	.000000	.000000
DE7	.000000	.000000	.000000	.000000
DE8	.000000	.000000	.000000	.000000
DE9	.000000	.000000	.000000	.000000
F10	.000000	.000000	.000000	.000000
F11	.000000	.000000	.000000	.000000
F12	.000000	.000000	.000000	.000000
F13	.000000	.000000	.000000	.000000
F14	.000000	.000000	.000000	.000000
F15	.000000	.000000	.000000	.000000

H10	.000000	.000000	.000000	.000000
H11	.000000	.000000	.000000	.000000
H12	.000000	.000000	.000000	.000000
H13	.000000	.000000	.000000	.000000
H14	.000000	.000000	.000000	.000000
H15	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
J11	.000000	.000000	.000000	.000000
J12	.000000	.000000	.000000	.000000
J13	.000000	.000000	.000000	.000000
J14	.000000	.000000	.000000	.000000
J15	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
L11	.000000	.000000	.000000	.000000
L12	.000000	.000000	.000000	.000000
L13	.000000	.000000	.000000	.000000
L14	.000000	.000000	.000000	.000000
L15	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000
P11	.000000	.000000	.000000	.000000
P12	.000000	.000000	.000000	.000000
P13	.000000	.000000	.000000	.000000
P14	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
DE10	.000000	.000000	.000000	.000000
DE11	.000000	.000000	.000000	.000000
DE12	.000000	.000000	.000000	.000000
DE13	.000000	.000000	.000000	.000000
DE14	.000000	.000000	.000000	.000000
DE15	.000000	.000000	.000000	.000000
1FIL1	.000000	.000000	.000000	.000000
1FIL2	.000000	.000000	.000000	.000000
1FIL3	.000000	.000000	.000000	.000000
1FIL4	.000000	.000000	.000000	.000000
1FIL5	.000000	.000000	.000000	.000000
1FIL6	.000000	.000000	.000000	.000000
1FIL7	.000000	.000000	.000000	.000000
1FIL8	.000000	.000000	.000000	.000000
1FIL9	.000000	.000000	.000000	.000000
2FIL1	.000000	.000000	.000000	.000000
2FIL2	.000000	.000000	.000000	.000000
2FIL3	.000000	.000000	.000000	.000000
2FIL4	.000000	.000000	.000000	.000000
2FIL5	.000000	.000000	.000000	.000000
2FIL6	.000000	.000000	.000000	.000000
2FIL7	.000000	.000000	.000000	.000000
2FIL8	.000000	.000000	.000000	.000000
2FIL9	.000000	.000000	.000000	.000000
3FIL1	.000000	.000000	.000000	.000000
3FIL2	.000000	.000000	.000000	.000000
3FIL3	.000000	.000000	.000000	.000000
3FIL4	.000000	.000000	.000000	.000000
3FIL5	.000000	.000000	.000000	.000000
3FIL6	.000000	.000000	.000000	.000000
3FIL7	.000000	.000000	.000000	.000000
3FIL8	.000000	.000000	.000000	.000000

3FIL9	.000000	.000000	.000000	.000000
4FIL1	.000000	.000000	.000000	.000000
4FIL2	.000000	.000000	.000000	.000000
4FIL3	.000000	.000000	.000000	.000000
4FIL4	.000000	.000000	.000000	.000000
4FIL5	.000000	.000000	.000000	.000000
4FIL6	.000000	.000000	.000000	.000000
4FIL7	.000000	.000000	.000000	.000000
4FIL8	.000000	.000000	.000000	.000000
4FIL9	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
1FIL10	.000000	.000000	.000000	.000000
1FIL11	.000000	.000000	.000000	.000000
1FIL12	.000000	.000000	.000000	.000000
1FIL13	.000000	.000000	.000000	.000000
1FIL14	.000000	.000000	.000000	.000000
1FIL15	.000000	.000000	.000000	.000000
2FIL10	.000000	.000000	.000000	.000000
2FIL11	.000000	.000000	.000000	.000000
2FIL12	.000000	.000000	.000000	.000000
2FIL13	.000000	.000000	.000000	.000000
2FIL14	.000000	.000000	.000000	.000000
2FIL15	.000000	.000000	.000000	.000000
3FIL10	.000000	.000000	.000000	.000000
3FIL11	.000000	.000000	.000000	.000000
3FIL12	.000000	.000000	.000000	.000000
3FIL13	.000000	.000000	.000000	.000000
3FIL14	.000000	.000000	.000000	.000000
3FIL15	.000000	.000000	.000000	.000000
4FIL10	.000000	.000000	.000000	.000000
4FIL11	.000000	.000000	.000000	.000000
4FIL12	.000000	.000000	.000000	.000000
4FIL13	.000000	.000000	.000000	.000000
4FIL14	.000000	.000000	.000000	.000000
4FIL15	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOAD TBAR ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
A9	.000000	.000000	.000000	.000000
B2	.000000	.000000	.000000	.000000
B3	.000000	.000000	.000000	.000000

B4	.000000	.000000	.000000	.000000
B5	.000000	.000000	.000000	.000000
B6	.000000	.000000	.000000	.000000
B7	.000000	.000000	.000000	.000000
B8	.000000	.000000	.000000	.000000
B9	.000000	.000000	.000000	.000000
C2	.000000	.000000	.000000	.000000
C3	.000000	.000000	.000000	.000000
C4	.000000	.000000	.000000	.000000
C5	.000000	.000000	.000000	.000000
C6	.000000	.000000	.000000	.000000
C7	.000000	.000000	.000000	.000000
C8	.000000	.000000	.000000	.000000
C9	.000000	.000000	.000000	.000000
D1	.000000	.000000	.000000	.000000
F1	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F4	.000000	.000000	.000000	.000000
F5	.000000	.000000	.000000	.000000
F6	.000000	.000000	.000000	.000000
F7	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
H1	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H4	.000000	.000000	.000000	.000000
H5	.000000	.000000	.000000	.000000
H6	.000000	.000000	.000000	.000000
H7	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J4	.000000	.000000	.000000	.000000
J5	.000000	.000000	.000000	.000000
J6	.000000	.000000	.000000	.000000
J7	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L4	.000000	.000000	.000000	.000000
L5	.000000	.000000	.000000	.000000
L6	.000000	.000000	.000000	.000000
L7	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000

P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
A10	.000000	.000000	.000000	.000000
A11	.000000	.000000	.000000	.000000
A12	.000000	.000000	.000000	.000000
A13	.000000	.000000	.000000	.000000
A14	.000000	.000000	.000000	.000000
A15	.000000	.000000	.000000	.000000
B10	.000000	.000000	.000000	.000000
B11	.000000	.000000	.000000	.000000
B12	.000000	.000000	.000000	.000000
B13	.000000	.000000	.000000	.000000
B14	.000000	.000000	.000000	.000000
B15	.000000	.000000	.000000	.000000
C10	.000000	.000000	.000000	.000000
C11	.000000	.000000	.000000	.000000
C12	.000000	.000000	.000000	.000000
C13	.000000	.000000	.000000	.000000
C14	.000000	.000000	.000000	.000000
C15	.000000	.000000	.000000	.000000
DE1	.000000	.000000	.000000	.000000
DE2	.000000	.000000	.000000	.000000
DE3	.000000	.000000	.000000	.000000
DE4	.000000	.000000	.000000	.000000
DE5	.000000	.000000	.000000	.000000
DE6	.000000	.000000	.000000	.000000
DE7	.000000	.000000	.000000	.000000
DE8	.000000	.000000	.000000	.000000
DE9	.000000	.000000	.000000	.000000
F10	.000000	.000000	.000000	.000000
F11	.000000	.000000	.000000	.000000
F12	.000000	.000000	.000000	.000000
F13	.000000	.000000	.000000	.000000
F14	.000000	.000000	.000000	.000000
F15	.000000	.000000	.000000	.000000
H10	.000000	.000000	.000000	.000000
H11	.000000	.000000	.000000	.000000
H12	.000000	.000000	.000000	.000000
H13	.000000	.000000	.000000	.000000
H14	.000000	.000000	.000000	.000000
H15	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
J11	.000000	.000000	.000000	.000000
J12	.000000	.000000	.000000	.000000
J13	.000000	.000000	.000000	.000000
J14	.000000	.000000	.000000	.000000
J15	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
L11	.000000	.000000	.000000	.000000
L12	.000000	.000000	.000000	.000000
L13	.000000	.000000	.000000	.000000
L14	.000000	.000000	.000000	.000000
L15	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000

M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000
P11	.000000	.000000	.000000	.000000
P12	.000000	.000000	.000000	.000000
P13	.000000	.000000	.000000	.000000
P14	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
DE10	.000000	.000000	.000000	.000000
DE11	.000000	.000000	.000000	.000000
DE12	.000000	.000000	.000000	.000000
DE13	.000000	.000000	.000000	.000000
DE14	.000000	.000000	.000000	.000000
DE15	.000000	.000000	.000000	.000000
1FIL1	.000000	.000000	.000000	.000000
1FIL2	.000000	.000000	.000000	.000000
1FIL3	.000000	.000000	.000000	.000000
1FIL4	.000000	.000000	.000000	.000000
1FIL5	.000000	.000000	.000000	.000000
1FIL6	.000000	.000000	.000000	.000000
1FIL7	.000000	.000000	.000000	.000000
1FIL8	.000000	.000000	.000000	.000000
1FIL9	.000000	.000000	.000000	.000000
2FIL1	.000000	.000000	.000000	.000000
2FIL2	.000000	.000000	.000000	.000000
2FIL3	.000000	.000000	.000000	.000000
2FIL4	.000000	.000000	.000000	.000000
2FIL5	.000000	.000000	.000000	.000000
2FIL6	.000000	.000000	.000000	.000000
2FIL7	.000000	.000000	.000000	.000000
2FIL8	.000000	.000000	.000000	.000000
2FIL9	.000000	.000000	.000000	.000000
3FIL1	.000000	.000000	.000000	.000000
3FIL2	.000000	.000000	.000000	.000000
3FIL3	.000000	.000000	.000000	.000000
3FIL4	.000000	.000000	.000000	.000000
3FIL5	.000000	.000000	.000000	.000000
3FIL6	.000000	.000000	.000000	.000000
3FIL7	.000000	.000000	.000000	.000000
3FIL8	.000000	.000000	.000000	.000000
3FIL9	.000000	.000000	.000000	.000000
4FIL1	.000000	.000000	.000000	.000000
4FIL2	.000000	.000000	.000000	.000000
4FIL3	.000000	.000000	.000000	.000000
4FIL4	.000000	.000000	.000000	.000000
4FIL5	.000000	.000000	.000000	.000000
4FIL6	.000000	.000000	.000000	.000000
4FIL7	.000000	.000000	.000000	.000000
4FIL8	.000000	.000000	.000000	.000000
4FIL9	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
1FIL10	.000000	.000000	.000000	.000000
1FIL11	.000000	.000000	.000000	.000000
1FIL12	.000000	.000000	.000000	.000000

1FIL13	.000000	.000000	.000000	.000000
1FIL14	.000000	.000000	.000000	.000000
1FIL15	.000000	.000000	.000000	.000000
2FIL10	.000000	.000000	.000000	.000000
2FIL11	.000000	.000000	.000000	.000000
2FIL12	.000000	.000000	.000000	.000000
2FIL13	.000000	.000000	.000000	.000000
2FIL14	.000000	.000000	.000000	.000000
2FIL15	.000000	.000000	.000000	.000000
3FIL10	.000000	.000000	.000000	.000000
3FIL11	.000000	.000000	.000000	.000000
3FIL12	.000000	.000000	.000000	.000000
3FIL13	.000000	.000000	.000000	.000000
3FIL14	.000000	.000000	.000000	.000000
3FIL15	.000000	.000000	.000000	.000000
4FIL10	.000000	.000000	.000000	.000000
4FIL11	.000000	.000000	.000000	.000000
4FIL12	.000000	.000000	.000000	.000000
4FIL13	.000000	.000000	.000000	.000000
4FIL14	.000000	.000000	.000000	.000000
4FIL15	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADTOPCOVER ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
A9	.000000	.000000	.000000	.000000
B2	.000000	.000000	.000000	.000000
B3	.000000	.000000	.000000	.000000
B4	.000000	.000000	.000000	.000000
B5	.000000	.000000	.000000	.000000
B6	.000000	.000000	.000000	.000000
B7	.000000	.000000	.000000	.000000
B8	.000000	.000000	.000000	.000000
B9	.000000	.000000	.000000	.000000
C2	.000000	.000000	.000000	.000000
C3	.000000	.000000	.000000	.000000
C4	.000000	.000000	.000000	.000000
C5	.000000	.000000	.000000	.000000
C6	.000000	.000000	.000000	.000000
C7	.000000	.000000	.000000	.000000
C8	.000000	.000000	.000000	.000000
C9	.000000	.000000	.000000	.000000
D1	.000000	.000000	.000000	.000000
F1	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F4	.000000	.000000	.000000	.000000
F5	.000000	.000000	.000000	.000000
F6	.000000	.000000	.000000	.000000
F7	.000000	.000000	.000000	.000000

F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
H1	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H4	.000000	.000000	.000000	.000000
H5	.000000	.000000	.000000	.000000
H6	.000000	.000000	.000000	.000000
H7	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J4	.000000	.000000	.000000	.000000
J5	.000000	.000000	.000000	.000000
J6	.000000	.000000	.000000	.000000
J7	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L4	.000000	.000000	.000000	.000000
L5	.000000	.000000	.000000	.000000
L6	.000000	.000000	.000000	.000000
L7	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
A10	.000000	.000000	.000000	.000000
A11	.000000	.000000	.000000	.000000
A12	.000000	.000000	.000000	.000000
A13	.000000	.000000	.000000	.000000
A14	.000000	.000000	.000000	.000000
A15	.000000	.000000	.000000	.000000
B10	.000000	.000000	.000000	.000000
B11	.000000	.000000	.000000	.000000
B12	.000000	.000000	.000000	.000000
B13	.000000	.000000	.000000	.000000
B14	.000000	.000000	.000000	.000000
B15	.000000	.000000	.000000	.000000
C10	.000000	.000000	.000000	.000000
C11	.000000	.000000	.000000	.000000

C12	.000000	.000000	.000000	.000000
C13	.000000	.000000	.000000	.000000
C14	.000000	.000000	.000000	.000000
C15	.000000	.000000	.000000	.000000
DE1	.000000	.000000	.000000	.000000
DE2	.000000	.000000	.000000	.000000
DE3	.000000	.000000	.000000	.000000
DE4	.000000	.000000	.000000	.000000
DE5	.000000	.000000	.000000	.000000
DE6	.000000	.000000	.000000	.000000
DE7	.000000	.000000	.000000	.000000
DE8	.000000	.000000	.000000	.000000
DE9	.000000	.000000	.000000	.000000
F10	.000000	.000000	.000000	.000000
F11	.000000	.000000	.000000	.000000
F12	.000000	.000000	.000000	.000000
F13	.000000	.000000	.000000	.000000
F14	.000000	.000000	.000000	.000000
F15	.000000	.000000	.000000	.000000
H10	.000000	.000000	.000000	.000000
H11	.000000	.000000	.000000	.000000
H12	.000000	.000000	.000000	.000000
H13	.000000	.000000	.000000	.000000
H14	.000000	.000000	.000000	.000000
H15	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
J11	.000000	.000000	.000000	.000000
J12	.000000	.000000	.000000	.000000
J13	.000000	.000000	.000000	.000000
J14	.000000	.000000	.000000	.000000
J15	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
L11	.000000	.000000	.000000	.000000
L12	.000000	.000000	.000000	.000000
L13	.000000	.000000	.000000	.000000
L14	.000000	.000000	.000000	.000000
L15	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000
P11	.000000	.000000	.000000	.000000
P12	.000000	.000000	.000000	.000000
P13	.000000	.000000	.000000	.000000
P14	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
DE10	.000000	.000000	.000000	.000000
DE11	.000000	.000000	.000000	.000000
DE12	.000000	.000000	.000000	.000000
DE13	.000000	.000000	.000000	.000000
DE14	.000000	.000000	.000000	.000000
DE15	.000000	.000000	.000000	.000000
1FIL1	.000000	.000000	.000000	.000000
1FIL2	.000000	.000000	.000000	.000000
1FIL3	.000000	.000000	.000000	.000000
1FIL4	.000000	.000000	.000000	.000000
1FIL5	.000000	.000000	.000000	.000000
1FIL6	.000000	.000000	.000000	.000000
1FIL7	.000000	.000000	.000000	.000000

1FIL8	.000000	.000000	.000000	.000000
1FIL9	.000000	.000000	.000000	.000000
2FIL1	.000000	.000000	.000000	.000000
2FIL2	.000000	.000000	.000000	.000000
2FIL3	.000000	.000000	.000000	.000000
2FIL4	.000000	.000000	.000000	.000000
2FIL5	.000000	.000000	.000000	.000000
2FIL6	.000000	.000000	.000000	.000000
2FIL7	.000000	.000000	.000000	.000000
2FIL8	.000000	.000000	.000000	.000000
2FIL9	.000000	.000000	.000000	.000000
3FIL1	.000000	.000000	.000000	.000000
3FIL2	.000000	.000000	.000000	.000000
3FIL3	.000000	.000000	.000000	.000000
3FIL4	.000000	.000000	.000000	.000000
3FIL5	.000000	.000000	.000000	.000000
3FIL6	.000000	.000000	.000000	.000000
3FIL7	.000000	.000000	.000000	.000000
3FIL8	.000000	.000000	.000000	.000000
3FIL9	.000000	.000000	.000000	.000000
4FIL1	.000000	.000000	.000000	.000000
4FIL2	.000000	.000000	.000000	.000000
4FIL3	.000000	.000000	.000000	.000000
4FIL4	.000000	.000000	.000000	.000000
4FIL5	.000000	.000000	.000000	.000000
4FIL6	.000000	.000000	.000000	.000000
4FIL7	.000000	.000000	.000000	.000000
4FIL8	.000000	.000000	.000000	.000000
4FIL9	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
1FIL10	.000000	.000000	.000000	.000000
1FIL11	.000000	.000000	.000000	.000000
1FIL12	.000000	.000000	.000000	.000000
1FIL13	.000000	.000000	.000000	.000000
1FIL14	.000000	.000000	.000000	.000000
1FIL15	.000000	.000000	.000000	.000000
2FIL10	.000000	.000000	.000000	.000000
2FIL11	.000000	.000000	.000000	.000000
2FIL12	.000000	.000000	.000000	.000000
2FIL13	.000000	.000000	.000000	.000000
2FIL14	.000000	.000000	.000000	.000000
2FIL15	.000000	.000000	.000000	.000000
3FIL10	.000000	.000000	.000000	.000000
3FIL11	.000000	.000000	.000000	.000000
3FIL12	.000000	.000000	.000000	.000000
3FIL13	.000000	.000000	.000000	.000000
3FIL14	.000000	.000000	.000000	.000000
3FIL15	.000000	.000000	.000000	.000000
4FIL10	.000000	.000000	.000000	.000000
4FIL11	.000000	.000000	.000000	.000000
4FIL12	.000000	.000000	.000000	.000000
4FIL13	.000000	.000000	.000000	.000000
4FIL14	.000000	.000000	.000000	.000000
4FIL15	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000

5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOAD PEWALLS ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
A9	.000000	.000000	.000000	.000000
B2	.000000	.000000	.000000	.000000
B3	.000000	.000000	.000000	.000000
B4	.000000	.000000	.000000	.000000
B5	.000000	.000000	.000000	.000000
B6	.000000	.000000	.000000	.000000
B7	.000000	.000000	.000000	.000000
B8	.000000	.000000	.000000	.000000
B9	.000000	.000000	.000000	.000000
C2	.000000	.000000	.000000	.000000
C3	.000000	.000000	.000000	.000000
C4	.000000	.000000	.000000	.000000
C5	.000000	.000000	.000000	.000000
C6	.000000	.000000	.000000	.000000
C7	.000000	.000000	.000000	.000000
C8	.000000	.000000	.000000	.000000
C9	.000000	.000000	.000000	.000000
D1	.000000	.000000	.000000	.000000
F1	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F4	.000000	.000000	.000000	.000000
F5	.000000	.000000	.000000	.000000
F6	.000000	.000000	.000000	.000000
F7	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
H1	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H4	.000000	.000000	.000000	.000000
H5	.000000	.000000	.000000	.000000
H6	.000000	.000000	.000000	.000000
H7	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J4	.000000	.000000	.000000	.000000
J5	.000000	.000000	.000000	.000000
J6	.000000	.000000	.000000	.000000
J7	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000

L3	.000000	.000000	.000000	.000000
L4	.000000	.000000	.000000	.000000
L5	.000000	.000000	.000000	.000000
L6	.000000	.000000	.000000	.000000
L7	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
A10	.000000	.000000	.000000	.000000
A11	.000000	.000000	.000000	.000000
A12	.000000	.000000	.000000	.000000
A13	.000000	.000000	.000000	.000000
A14	.000000	.000000	.000000	.000000
A15	.000000	.000000	.000000	.000000
B10	.000000	.000000	.000000	.000000
B11	.000000	.000000	.000000	.000000
B12	.000000	.000000	.000000	.000000
B13	.000000	.000000	.000000	.000000
B14	.000000	.000000	.000000	.000000
B15	.000000	.000000	.000000	.000000
C10	.000000	.000000	.000000	.000000
C11	.000000	.000000	.000000	.000000
C12	.000000	.000000	.000000	.000000
C13	.000000	.000000	.000000	.000000
C14	.000000	.000000	.000000	.000000
C15	.000000	.000000	.000000	.000000
DE1	.000000	.000000	.000000	.000000
DE2	.000000	.000000	.000000	.000000
DE3	.000000	.000000	.000000	.000000
DE4	.000000	.000000	.000000	.000000
DE5	.000000	.000000	.000000	.000000
DE6	.000000	.000000	.000000	.000000
DE7	.000000	.000000	.000000	.000000
DE8	.000000	.000000	.000000	.000000
DE9	.000000	.000000	.000000	.000000
F10	.000000	.000000	.000000	.000000
F11	.000000	.000000	.000000	.000000
F12	.000000	.000000	.000000	.000000
F13	.000000	.000000	.000000	.000000
F14	.000000	.000000	.000000	.000000
F15	.000000	.000000	.000000	.000000
H10	.000000	.000000	.000000	.000000
H11	.000000	.000000	.000000	.000000
H12	.000000	.000000	.000000	.000000

H13	.000000	.000000	.000000	.000000
H14	.000000	.000000	.000000	.000000
H15	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
J11	.000000	.000000	.000000	.000000
J12	.000000	.000000	.000000	.000000
J13	.000000	.000000	.000000	.000000
J14	.000000	.000000	.000000	.000000
J15	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
L11	.000000	.000000	.000000	.000000
L12	.000000	.000000	.000000	.000000
L13	.000000	.000000	.000000	.000000
L14	.000000	.000000	.000000	.000000
L15	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000
P11	.000000	.000000	.000000	.000000
P12	.000000	.000000	.000000	.000000
P13	.000000	.000000	.000000	.000000
P14	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
DE10	.000000	.000000	.000000	.000000
DE11	.000000	.000000	.000000	.000000
DE12	.000000	.000000	.000000	.000000
DE13	.000000	.000000	.000000	.000000
DE14	.000000	.000000	.000000	.000000
DE15	.000000	.000000	.000000	.000000
1FIL1	.000000	.000000	.000000	.000000
1FIL2	.000000	.000000	.000000	.000000
1FIL3	.000000	.000000	.000000	.000000
1FIL4	.000000	.000000	.000000	.000000
1FIL5	.000000	.000000	.000000	.000000
1FIL6	.000000	.000000	.000000	.000000
1FIL7	.000000	.000000	.000000	.000000
1FIL8	.000000	.000000	.000000	.000000
1FIL9	.000000	.000000	.000000	.000000
2FIL1	.000000	.000000	.000000	.000000
2FIL2	.000000	.000000	.000000	.000000
2FIL3	.000000	.000000	.000000	.000000
2FIL4	.000000	.000000	.000000	.000000
2FIL5	.000000	.000000	.000000	.000000
2FIL6	.000000	.000000	.000000	.000000
2FIL7	.000000	.000000	.000000	.000000
2FIL8	.000000	.000000	.000000	.000000
2FIL9	.000000	.000000	.000000	.000000
3FIL1	.000000	.000000	.000000	.000000
3FIL2	.000000	.000000	.000000	.000000
3FIL3	.000000	.000000	.000000	.000000
3FIL4	.000000	.000000	.000000	.000000
3FIL5	.000000	.000000	.000000	.000000
3FIL6	.000000	.000000	.000000	.000000
3FIL7	.000000	.000000	.000000	.000000
3FIL8	.000000	.000000	.000000	.000000
3FIL9	.000000	.000000	.000000	.000000
4FIL1	.000000	.000000	.000000	.000000
4FIL2	.000000	.000000	.000000	.000000

4FIL3	.000000	.000000	.000000	.000000
4FIL4	.000000	.000000	.000000	.000000
4FIL5	.000000	.000000	.000000	.000000
4FIL6	.000000	.000000	.000000	.000000
4FIL7	.000000	.000000	.000000	.000000
4FIL8	.000000	.000000	.000000	.000000
4FIL9	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
1FIL10	.000000	.000000	.000000	.000000
1FIL11	.000000	.000000	.000000	.000000
1FIL12	.000000	.000000	.000000	.000000
1FIL13	.000000	.000000	.000000	.000000
1FIL14	.000000	.000000	.000000	.000000
1FIL15	.000000	.000000	.000000	.000000
2FIL10	.000000	.000000	.000000	.000000
2FIL11	.000000	.000000	.000000	.000000
2FIL12	.000000	.000000	.000000	.000000
2FIL13	.000000	.000000	.000000	.000000
2FIL14	.000000	.000000	.000000	.000000
2FIL15	.000000	.000000	.000000	.000000
3FIL10	.000000	.000000	.000000	.000000
3FIL11	.000000	.000000	.000000	.000000
3FIL12	.000000	.000000	.000000	.000000
3FIL13	.000000	.000000	.000000	.000000
3FIL14	.000000	.000000	.000000	.000000
3FIL15	.000000	.000000	.000000	.000000
4FIL10	.000000	.000000	.000000	.000000
4FIL11	.000000	.000000	.000000	.000000
4FIL12	.000000	.000000	.000000	.000000
4FIL13	.000000	.000000	.000000	.000000
4FIL14	.000000	.000000	.000000	.000000
4FIL15	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADHOTBASIN ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
A9	.000000	.000000	.000000	.000000
B2	.000000	.000000	.000000	.000000
B3	.000000	.000000	.000000	.000000
B4	.000000	.000000	.000000	.000000
B5	.000000	.000000	.000000	.000000
B6	.000000	.000000	.000000	.000000

B7	.000000	.000000	.000000	.000000
B8	.000000	.000000	.000000	.000000
B9	.000000	.000000	.000000	.000000
C2	.000000	.000000	.000000	.000000
C3	.000000	.000000	.000000	.000000
C4	.000000	.000000	.000000	.000000
C5	.000000	.000000	.000000	.000000
C6	.000000	.000000	.000000	.000000
C7	.000000	.000000	.000000	.000000
C8	.000000	.000000	.000000	.000000
C9	.000000	.000000	.000000	.000000
D1	.000000	.000000	.000000	.000000
F1	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F4	.000000	.000000	.000000	.000000
F5	.000000	.000000	.000000	.000000
F6	.000000	.000000	.000000	.000000
F7	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
H1	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H4	.000000	.000000	.000000	.000000
H5	.000000	.000000	.000000	.000000
H6	.000000	.000000	.000000	.000000
H7	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J4	.000000	.000000	.000000	.000000
J5	.000000	.000000	.000000	.000000
J6	.000000	.000000	.000000	.000000
J7	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L4	.000000	.000000	.000000	.000000
L5	.000000	.000000	.000000	.000000
L6	.000000	.000000	.000000	.000000
L7	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000

P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
A10	.000000	.000000	.000000	.000000
A11	.000000	.000000	.000000	.000000
A12	.000000	.000000	.000000	.000000
A13	.000000	.000000	.000000	.000000
A14	.000000	.000000	.000000	.000000
A15	.000000	.000000	.000000	.000000
B10	.000000	.000000	.000000	.000000
B11	.000000	.000000	.000000	.000000
B12	.000000	.000000	.000000	.000000
B13	.000000	.000000	.000000	.000000
B14	.000000	.000000	.000000	.000000
B15	.000000	.000000	.000000	.000000
C10	.000000	.000000	.000000	.000000
C11	.000000	.000000	.000000	.000000
C12	.000000	.000000	.000000	.000000
C13	.000000	.000000	.000000	.000000
C14	.000000	.000000	.000000	.000000
C15	.000000	.000000	.000000	.000000
DE1	.000000	.000000	.000000	.000000
DE2	.000000	.000000	.000000	.000000
DE3	.000000	.000000	.000000	.000000
DE4	.000000	.000000	.000000	.000000
DE5	.000000	.000000	.000000	.000000
DE6	.000000	.000000	.000000	.000000
DE7	.000000	.000000	.000000	.000000
DE8	.000000	.000000	.000000	.000000
DE9	.000000	.000000	.000000	.000000
F10	.000000	.000000	.000000	.000000
F11	.000000	.000000	.000000	.000000
F12	.000000	.000000	.000000	.000000
F13	.000000	.000000	.000000	.000000
F14	.000000	.000000	.000000	.000000
F15	.000000	.000000	.000000	.000000
H10	.000000	.000000	.000000	.000000
H11	.000000	.000000	.000000	.000000
H12	.000000	.000000	.000000	.000000
H13	.000000	.000000	.000000	.000000
H14	.000000	.000000	.000000	.000000
H15	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
J11	.000000	.000000	.000000	.000000
J12	.000000	.000000	.000000	.000000
J13	.000000	.000000	.000000	.000000
J14	.000000	.000000	.000000	.000000
J15	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
L11	.000000	.000000	.000000	.000000
L12	.000000	.000000	.000000	.000000
L13	.000000	.000000	.000000	.000000
L14	.000000	.000000	.000000	.000000
L15	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000

P10	.000000	.000000	.000000	.000000
P11	.000000	.000000	.000000	.000000
P12	.000000	.000000	.000000	.000000
P13	.000000	.000000	.000000	.000000
P14	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
DE10	.000000	.000000	.000000	.000000
DE11	.000000	.000000	.000000	.000000
DE12	.000000	.000000	.000000	.000000
DE13	.000000	.000000	.000000	.000000
DE14	.000000	.000000	.000000	.000000
DE15	.000000	.000000	.000000	.000000
1FIL1	.000000	.000000	.000000	.000000
1FIL2	.000000	.000000	.000000	.000000
1FIL3	.000000	.000000	.000000	.000000
1FIL4	.000000	.000000	.000000	.000000
1FIL5	.000000	.000000	.000000	.000000
1FIL6	.000000	.000000	.000000	.000000
1FIL7	.000000	.000000	.000000	.000000
1FIL8	.000000	.000000	.000000	.000000
1FIL9	.000000	.000000	.000000	.000000
2FIL1	.000000	.000000	.000000	.000000
2FIL2	.000000	.000000	.000000	.000000
2FIL3	.000000	.000000	.000000	.000000
2FIL4	.000000	.000000	.000000	.000000
2FIL5	.000000	.000000	.000000	.000000
2FIL6	.000000	.000000	.000000	.000000
2FIL7	.000000	.000000	.000000	.000000
2FIL8	.000000	.000000	.000000	.000000
2FIL9	.000000	.000000	.000000	.000000
3FIL1	.000000	.000000	.000000	.000000
3FIL2	.000000	.000000	.000000	.000000
3FIL3	.000000	.000000	.000000	.000000
3FIL4	.000000	.000000	.000000	.000000
3FIL5	.000000	.000000	.000000	.000000
3FIL6	.000000	.000000	.000000	.000000
3FIL7	.000000	.000000	.000000	.000000
3FIL8	.000000	.000000	.000000	.000000
3FIL9	.000000	.000000	.000000	.000000
4FIL1	.000000	.000000	.000000	.000000
4FIL2	.000000	.000000	.000000	.000000
4FIL3	.000000	.000000	.000000	.000000
4FIL4	.000000	.000000	.000000	.000000
4FIL5	.000000	.000000	.000000	.000000
4FIL6	.000000	.000000	.000000	.000000
4FIL7	.000000	.000000	.000000	.000000
4FIL8	.000000	.000000	.000000	.000000
4FIL9	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
1FIL10	.000000	.000000	.000000	.000000
1FIL11	.000000	.000000	.000000	.000000
1FIL12	.000000	.000000	.000000	.000000
1FIL13	.000000	.000000	.000000	.000000
1FIL14	.000000	.000000	.000000	.000000
1FIL15	.000000	.000000	.000000	.000000

2FIL10	.000000	.000000	.000000	.000000
2FIL11	.000000	.000000	.000000	.000000
2FIL12	.000000	.000000	.000000	.000000
2FIL13	.000000	.000000	.000000	.000000
2FIL14	.000000	.000000	.000000	.000000
2FIL15	.000000	.000000	.000000	.000000
3FIL10	.000000	.000000	.000000	.000000
3FIL11	.000000	.000000	.000000	.000000
3FIL12	.000000	.000000	.000000	.000000
3FIL13	.000000	.000000	.000000	.000000
3FIL14	.000000	.000000	.000000	.000000
3FIL15	.000000	.000000	.000000	.000000
4FIL10	.000000	.000000	.000000	.000000
4FIL11	.000000	.000000	.000000	.000000
4FIL12	.000000	.000000	.000000	.000000
4FIL13	.000000	.000000	.000000	.000000
4FIL14	.000000	.000000	.000000	.000000
4FIL15	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADDRIFTELM ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
A9	.000000	.000000	.000000	.000000
B2	.000000	.000000	.000000	.000000
B3	.000000	.000000	.000000	.000000
B4	.000000	.000000	.000000	.000000
B5	.000000	.000000	.000000	.000000
B6	.000000	.000000	.000000	.000000
B7	.000000	.000000	.000000	.000000
B8	.000000	.000000	.000000	.000000
B9	.000000	.000000	.000000	.000000
C2	.000000	.000000	.000000	.000000
C3	.000000	.000000	.000000	.000000
C4	.000000	.000000	.000000	.000000
C5	.000000	.000000	.000000	.000000
C6	.000000	.000000	.000000	.000000
C7	.000000	.000000	.000000	.000000
C8	.000000	.000000	.000000	.000000
C9	.000000	.000000	.000000	.000000
D1	.000000	.000000	.000000	.000000
F1	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F4	.000000	.000000	.000000	.000000
F5	.000000	.000000	.000000	.000000
F6	.000000	.000000	.000000	.000000
F7	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
H1	.000000	.000000	.000000	.000000

H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H4	.000000	.000000	.000000	.000000
H5	.000000	.000000	.000000	.000000
H6	.000000	.000000	.000000	.000000
H7	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J4	.000000	.000000	.000000	.000000
J5	.000000	.000000	.000000	.000000
J6	.000000	.000000	.000000	.000000
J7	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L4	.000000	.000000	.000000	.000000
L5	.000000	.000000	.000000	.000000
L6	.000000	.000000	.000000	.000000
L7	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
A10	.000000	.000000	.000000	.000000
A11	.000000	.000000	.000000	.000000
A12	.000000	.000000	.000000	.000000
A13	.000000	.000000	.000000	.000000
A14	.000000	.000000	.000000	.000000
A15	.000000	.000000	.000000	.000000
B10	.000000	.000000	.000000	.000000
B11	.000000	.000000	.000000	.000000
B12	.000000	.000000	.000000	.000000
B13	.000000	.000000	.000000	.000000
B14	.000000	.000000	.000000	.000000
B15	.000000	.000000	.000000	.000000
C10	.000000	.000000	.000000	.000000
C11	.000000	.000000	.000000	.000000
C12	.000000	.000000	.000000	.000000
C13	.000000	.000000	.000000	.000000
C14	.000000	.000000	.000000	.000000

C15	.000000	.000000	.000000	.000000
DE1	.000000	.000000	.000000	.000000
DE2	.000000	.000000	.000000	.000000
DE3	.000000	.000000	.000000	.000000
DE4	.000000	.000000	.000000	.000000
DE5	.000000	.000000	.000000	.000000
DE6	.000000	.000000	.000000	.000000
DE7	.000000	.000000	.000000	.000000
DE8	.000000	.000000	.000000	.000000
DE9	.000000	.000000	.000000	.000000
F10	.000000	.000000	.000000	.000000
F11	.000000	.000000	.000000	.000000
F12	.000000	.000000	.000000	.000000
F13	.000000	.000000	.000000	.000000
F14	.000000	.000000	.000000	.000000
F15	.000000	.000000	.000000	.000000
H10	.000000	.000000	.000000	.000000
H11	.000000	.000000	.000000	.000000
H12	.000000	.000000	.000000	.000000
H13	.000000	.000000	.000000	.000000
H14	.000000	.000000	.000000	.000000
H15	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
J11	.000000	.000000	.000000	.000000
J12	.000000	.000000	.000000	.000000
J13	.000000	.000000	.000000	.000000
J14	.000000	.000000	.000000	.000000
J15	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
L11	.000000	.000000	.000000	.000000
L12	.000000	.000000	.000000	.000000
L13	.000000	.000000	.000000	.000000
L14	.000000	.000000	.000000	.000000
L15	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000
P11	.000000	.000000	.000000	.000000
P12	.000000	.000000	.000000	.000000
P13	.000000	.000000	.000000	.000000
P14	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
DE10	.000000	.000000	.000000	.000000
DE11	.000000	.000000	.000000	.000000
DE12	.000000	.000000	.000000	.000000
DE13	.000000	.000000	.000000	.000000
DE14	.000000	.000000	.000000	.000000
DE15	.000000	.000000	.000000	.000000
1FIL1	.000000	.000000	.000000	.000000
1FIL2	.000000	.000000	.000000	.000000
1FIL3	.000000	.000000	.000000	.000000
1FIL4	.000000	.000000	.000000	.000000
1FIL5	.000000	.000000	.000000	.000000
1FIL6	.000000	.000000	.000000	.000000
1FIL7	.000000	.000000	.000000	.000000
1FIL8	.000000	.000000	.000000	.000000
1FIL9	.000000	.000000	.000000	.000000
2FIL1	.000000	.000000	.000000	.000000

2FIL2	.000000	.000000	.000000	.000000
2FIL3	.000000	.000000	.000000	.000000
2FIL4	.000000	.000000	.000000	.000000
2FIL5	.000000	.000000	.000000	.000000
2FIL6	.000000	.000000	.000000	.000000
2FIL7	.000000	.000000	.000000	.000000
2FIL8	.000000	.000000	.000000	.000000
2FIL9	.000000	.000000	.000000	.000000
3FIL1	.000000	.000000	.000000	.000000
3FIL2	.000000	.000000	.000000	.000000
3FIL3	.000000	.000000	.000000	.000000
3FIL4	.000000	.000000	.000000	.000000
3FIL5	.000000	.000000	.000000	.000000
3FIL6	.000000	.000000	.000000	.000000
3FIL7	.000000	.000000	.000000	.000000
3FIL8	.000000	.000000	.000000	.000000
3FIL9	.000000	.000000	.000000	.000000
4FIL1	.000000	.000000	.000000	.000000
4FIL2	.000000	.000000	.000000	.000000
4FIL3	.000000	.000000	.000000	.000000
4FIL4	.000000	.000000	.000000	.000000
4FIL5	.000000	.000000	.000000	.000000
4FIL6	.000000	.000000	.000000	.000000
4FIL7	.000000	.000000	.000000	.000000
4FIL8	.000000	.000000	.000000	.000000
4FIL9	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
1FIL10	.000000	.000000	.000000	.000000
1FIL11	.000000	.000000	.000000	.000000
1FIL12	.000000	.000000	.000000	.000000
1FIL13	.000000	.000000	.000000	.000000
1FIL14	.000000	.000000	.000000	.000000
1FIL15	.000000	.000000	.000000	.000000
2FIL10	.000000	.000000	.000000	.000000
2FIL11	.000000	.000000	.000000	.000000
2FIL12	.000000	.000000	.000000	.000000
2FIL13	.000000	.000000	.000000	.000000
2FIL14	.000000	.000000	.000000	.000000
2FIL15	.000000	.000000	.000000	.000000
3FIL10	.000000	.000000	.000000	.000000
3FIL11	.000000	.000000	.000000	.000000
3FIL12	.000000	.000000	.000000	.000000
3FIL13	.000000	.000000	.000000	.000000
3FIL14	.000000	.000000	.000000	.000000
3FIL15	.000000	.000000	.000000	.000000
4FIL10	.000000	.000000	.000000	.000000
4FIL11	.000000	.000000	.000000	.000000
4FIL12	.000000	.000000	.000000	.000000
4FIL13	.000000	.000000	.000000	.000000
4FIL14	.000000	.000000	.000000	.000000
4FIL15	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000

5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADFANMOTOR ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
A9	.000000	.000000	.000000	.000000
B2	.000000	.000000	.000000	.000000
B3	.000000	.000000	.000000	.000000
B4	.000000	.000000	.000000	.000000
B5	.000000	.000000	.000000	.000000
B6	.000000	.000000	.000000	.000000
B7	.000000	.000000	.000000	.000000
B8	.000000	.000000	.000000	.000000
B9	.000000	.000000	.000000	.000000
C2	.000000	.000000	.000000	.000000
C3	.000000	.000000	.000000	.000000
C4	.000000	.000000	.000000	.000000
C5	.000000	.000000	.000000	.000000
C6	.000000	.000000	.000000	.000000
C7	.000000	.000000	.000000	.000000
C8	.000000	.000000	.000000	.000000
C9	.000000	.000000	.000000	.000000
D1	.000000	.000000	.000000	.000000
F1	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F4	.000000	.000000	.000000	.000000
F5	.000000	.000000	.000000	.000000
F6	.000000	.000000	.000000	.000000
F7	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
H1	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H4	.000000	.000000	.000000	.000000
H5	.000000	.000000	.000000	.000000
H6	.000000	.000000	.000000	.000000
H7	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J4	.000000	.000000	.000000	.000000
J5	.000000	.000000	.000000	.000000
J6	.000000	.000000	.000000	.000000
J7	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L4	.000000	.000000	.000000	.000000
L5	.000000	.000000	.000000	.000000

L6	.000000	.000000	.000000	.000000
L7	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
A10	.000000	.000000	.000000	.000000
A11	.000000	.000000	.000000	.000000
A12	.000000	.000000	.000000	.000000
A13	.000000	.000000	.000000	.000000
A14	.000000	.000000	.000000	.000000
A15	.000000	.000000	.000000	.000000
B10	.000000	.000000	.000000	.000000
B11	.000000	.000000	.000000	.000000
B12	.000000	.000000	.000000	.000000
B13	.000000	.000000	.000000	.000000
B14	.000000	.000000	.000000	.000000
B15	.000000	.000000	.000000	.000000
C10	.000000	.000000	.000000	.000000
C11	.000000	.000000	.000000	.000000
C12	.000000	.000000	.000000	.000000
C13	.000000	.000000	.000000	.000000
C14	.000000	.000000	.000000	.000000
C15	.000000	.000000	.000000	.000000
DE1	.000000	.000000	.000000	.000000
DE2	.000000	.000000	.000000	.000000
DE3	.000000	.000000	.000000	.000000
DE4	.000000	.000000	.000000	.000000
DE5	.000000	.000000	.000000	.000000
DE6	.000000	.000000	.000000	.000000
DE7	.000000	.000000	.000000	.000000
DE8	.000000	.000000	.000000	.000000
DE9	.000000	.000000	.000000	.000000
F10	.000000	.000000	.000000	.000000
F11	.000000	.000000	.000000	.000000
F12	.000000	.000000	.000000	.000000
F13	.000000	.000000	.000000	.000000
F14	.000000	.000000	.000000	.000000
F15	.000000	.000000	.000000	.000000
H10	.000000	.000000	.000000	.000000
H11	.000000	.000000	.000000	.000000
H12	.000000	.000000	.000000	.000000
H13	.000000	.000000	.000000	.000000
H14	.000000	.000000	.000000	.000000
H15	.000000	.000000	.000000	.000000

J10	.000000	.000000	.000000	.000000
J11	.000000	.000000	.000000	.000000
J12	.000000	.000000	.000000	.000000
J13	.000000	.000000	.000000	.000000
J14	.000000	.000000	.000000	.000000
J15	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
L11	.000000	.000000	.000000	.000000
L12	.000000	.000000	.000000	.000000
L13	.000000	.000000	.000000	.000000
L14	.000000	.000000	.000000	.000000
L15	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000
P11	.000000	.000000	.000000	.000000
P12	.000000	.000000	.000000	.000000
P13	.000000	.000000	.000000	.000000
P14	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
DE10	.000000	.000000	.000000	.000000
DE11	.000000	.000000	.000000	.000000
DE12	.000000	.000000	.000000	.000000
DE13	.000000	.000000	.000000	.000000
DE14	.000000	.000000	.000000	.000000
DE15	.000000	.000000	.000000	.000000
1FIL1	.000000	.000000	.000000	.000000
1FIL2	.000000	.000000	.000000	.000000
1FIL3	.000000	.000000	.000000	.000000
1FIL4	.000000	.000000	.000000	.000000
1FIL5	.000000	.000000	.000000	.000000
1FIL6	.000000	.000000	.000000	.000000
1FIL7	.000000	.000000	.000000	.000000
1FIL8	.000000	.000000	.000000	.000000
1FIL9	.000000	.000000	.000000	.000000
2FIL1	.000000	.000000	.000000	.000000
2FIL2	.000000	.000000	.000000	.000000
2FIL3	.000000	.000000	.000000	.000000
2FIL4	.000000	.000000	.000000	.000000
2FIL5	.000000	.000000	.000000	.000000
2FIL6	.000000	.000000	.000000	.000000
2FIL7	.000000	.000000	.000000	.000000
2FIL8	.000000	.000000	.000000	.000000
2FIL9	.000000	.000000	.000000	.000000
3FIL1	.000000	.000000	.000000	.000000
3FIL2	.000000	.000000	.000000	.000000
3FIL3	.000000	.000000	.000000	.000000
3FIL4	.000000	.000000	.000000	.000000
3FIL5	.000000	.000000	.000000	.000000
3FIL6	.000000	.000000	.000000	.000000
3FIL7	.000000	.000000	.000000	.000000
3FIL8	.000000	.000000	.000000	.000000
3FIL9	.000000	.000000	.000000	.000000
4FIL1	.000000	.000000	.000000	.000000
4FIL2	.000000	.000000	.000000	.000000
4FIL3	.000000	.000000	.000000	.000000
4FIL4	.000000	.000000	.000000	.000000
4FIL5	.000000	.000000	.000000	.000000

4FIL6	.000000	.000000	.000000	.000000
4FIL7	.000000	.000000	.000000	.000000
4FIL8	.000000	.000000	.000000	.000000
4FIL9	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
1FIL10	.000000	.000000	.000000	.000000
1FIL11	.000000	.000000	.000000	.000000
1FIL12	.000000	.000000	.000000	.000000
1FIL13	.000000	.000000	.000000	.000000
1FIL14	.000000	.000000	.000000	.000000
1FIL15	.000000	.000000	.000000	.000000
2FIL10	.000000	.000000	.000000	.000000
2FIL11	.000000	.000000	.000000	.000000
2FIL12	.000000	.000000	.000000	.000000
2FIL13	.000000	.000000	.000000	.000000
2FIL14	.000000	.000000	.000000	.000000
2FIL15	.000000	.000000	.000000	.000000
3FIL10	.000000	.000000	.000000	.000000
3FIL11	.000000	.000000	.000000	.000000
3FIL12	.000000	.000000	.000000	.000000
3FIL13	.000000	.000000	.000000	.000000
3FIL14	.000000	.000000	.000000	.000000
3FIL15	.000000	.000000	.000000	.000000
4FIL10	.000000	.000000	.000000	.000000
4FIL11	.000000	.000000	.000000	.000000
4FIL12	.000000	.000000	.000000	.000000
4FIL13	.000000	.000000	.000000	.000000
4FIL14	.000000	.000000	.000000	.000000
4FIL15	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADCABLETRY ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
A9	.000000	.000000	.000000	.000000
B2	.000000	.000000	.000000	.000000
B3	.000000	.000000	.000000	.000000
B4	.000000	.000000	.000000	.000000
B5	.000000	.000000	.000000	.000000
B6	.000000	.000000	.000000	.000000
B7	.000000	.000000	.000000	.000000
B8	.000000	.000000	.000000	.000000
B9	.000000	.000000	.000000	.000000

C2	.000000	.000000	.000000	.000000
C3	.000000	.000000	.000000	.000000
C4	.000000	.000000	.000000	.000000
C5	.000000	.000000	.000000	.000000
C6	.000000	.000000	.000000	.000000
C7	.000000	.000000	.000000	.000000
C8	.000000	.000000	.000000	.000000
C9	.000000	.000000	.000000	.000000
D1	.000000	.000000	.000000	.000000
F1	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F4	.000000	.000000	.000000	.000000
F5	.000000	.000000	.000000	.000000
F6	.000000	.000000	.000000	.000000
F7	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
H1	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H4	.000000	.000000	.000000	.000000
H5	.000000	.000000	.000000	.000000
H6	.000000	.000000	.000000	.000000
H7	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J4	.000000	.000000	.000000	.000000
J5	.000000	.000000	.000000	.000000
J6	.000000	.000000	.000000	.000000
J7	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L4	.000000	.000000	.000000	.000000
L5	.000000	.000000	.000000	.000000
L6	.000000	.000000	.000000	.000000
L7	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000

P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
A10	.000000	.000000	.000000	.000000
A11	.000000	.000000	.000000	.000000
A12	.000000	.000000	.000000	.000000
A13	.000000	.000000	.000000	.000000
A14	.000000	.000000	.000000	.000000
A15	.000000	.000000	.000000	.000000
B10	.000000	.000000	.000000	.000000
B11	.000000	.000000	.000000	.000000
B12	.000000	.000000	.000000	.000000
B13	.000000	.000000	.000000	.000000
B14	.000000	.000000	.000000	.000000
B15	.000000	.000000	.000000	.000000
C10	.000000	.000000	.000000	.000000
C11	.000000	.000000	.000000	.000000
C12	.000000	.000000	.000000	.000000
C13	.000000	.000000	.000000	.000000
C14	.000000	.000000	.000000	.000000
C15	.000000	.000000	.000000	.000000
DE1	.000000	.000000	.000000	.000000
DE2	.000000	.000000	.000000	.000000
DE3	.000000	.000000	.000000	.000000
DE4	.000000	.000000	.000000	.000000
DE5	.000000	.000000	.000000	.000000
DE6	.000000	.000000	.000000	.000000
DE7	.000000	.000000	.000000	.000000
DE8	.000000	.000000	.000000	.000000
DE9	.000000	.000000	.000000	.000000
F10	.000000	.000000	.000000	.000000
F11	.000000	.000000	.000000	.000000
F12	.000000	.000000	.000000	.000000
F13	.000000	.000000	.000000	.000000
F14	.000000	.000000	.000000	.000000
F15	.000000	.000000	.000000	.000000
H10	.000000	.000000	.000000	.000000
H11	.000000	.000000	.000000	.000000
H12	.000000	.000000	.000000	.000000
H13	.000000	.000000	.000000	.000000
H14	.000000	.000000	.000000	.000000
H15	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
J11	.000000	.000000	.000000	.000000
J12	.000000	.000000	.000000	.000000
J13	.000000	.000000	.000000	.000000
J14	.000000	.000000	.000000	.000000
J15	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
L11	.000000	.000000	.000000	.000000
L12	.000000	.000000	.000000	.000000
L13	.000000	.000000	.000000	.000000
L14	.000000	.000000	.000000	.000000
L15	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000
P11	.000000	.000000	.000000	.000000
P12	.000000	.000000	.000000	.000000

P13	.000000	.000000	.000000	.000000
P14	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
DE10	.000000	.000000	.000000	.000000
DE11	.000000	.000000	.000000	.000000
DE12	.000000	.000000	.000000	.000000
DE13	.000000	.000000	.000000	.000000
DE14	.000000	.000000	.000000	.000000
DE15	.000000	.000000	.000000	.000000
1FIL1	.000000	.000000	.000000	.000000
1FIL2	.000000	.000000	.000000	.000000
1FIL3	.000000	.000000	.000000	.000000
1FIL4	.000000	.000000	.000000	.000000
1FIL5	.000000	.000000	.000000	.000000
1FIL6	.000000	.000000	.000000	.000000
1FIL7	.000000	.000000	.000000	.000000
1FIL8	.000000	.000000	.000000	.000000
1FIL9	.000000	.000000	.000000	.000000
2FIL1	.000000	.000000	.000000	.000000
2FIL2	.000000	.000000	.000000	.000000
2FIL3	.000000	.000000	.000000	.000000
2FIL4	.000000	.000000	.000000	.000000
2FIL5	.000000	.000000	.000000	.000000
2FIL6	.000000	.000000	.000000	.000000
2FIL7	.000000	.000000	.000000	.000000
2FIL8	.000000	.000000	.000000	.000000
2FIL9	.000000	.000000	.000000	.000000
3FIL1	.000000	.000000	.000000	.000000
3FIL2	.000000	.000000	.000000	.000000
3FIL3	.000000	.000000	.000000	.000000
3FIL4	.000000	.000000	.000000	.000000
3FIL5	.000000	.000000	.000000	.000000
3FIL6	.000000	.000000	.000000	.000000
3FIL7	.000000	.000000	.000000	.000000
3FIL8	.000000	.000000	.000000	.000000
3FIL9	.000000	.000000	.000000	.000000
4FIL1	.000000	.000000	.000000	.000000
4FIL2	.000000	.000000	.000000	.000000
4FIL3	.000000	.000000	.000000	.000000
4FIL4	.000000	.000000	.000000	.000000
4FIL5	.000000	.000000	.000000	.000000
4FIL6	.000000	.000000	.000000	.000000
4FIL7	.000000	.000000	.000000	.000000
4FIL8	.000000	.000000	.000000	.000000
4FIL9	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
1FIL10	.000000	.000000	.000000	.000000
1FIL11	.000000	.000000	.000000	.000000
1FIL12	.000000	.000000	.000000	.000000
1FIL13	.000000	.000000	.000000	.000000
1FIL14	.000000	.000000	.000000	.000000
1FIL15	.000000	.000000	.000000	.000000
2FIL10	.000000	.000000	.000000	.000000
2FIL11	.000000	.000000	.000000	.000000
2FIL12	.000000	.000000	.000000	.000000

2FIL13	.000000	.000000	.000000	.000000
2FIL14	.000000	.000000	.000000	.000000
2FIL15	.000000	.000000	.000000	.000000
3FIL10	.000000	.000000	.000000	.000000
3FIL11	.000000	.000000	.000000	.000000
3FIL12	.000000	.000000	.000000	.000000
3FIL13	.000000	.000000	.000000	.000000
3FIL14	.000000	.000000	.000000	.000000
3FIL15	.000000	.000000	.000000	.000000
4FIL10	.000000	.000000	.000000	.000000
4FIL11	.000000	.000000	.000000	.000000
4FIL12	.000000	.000000	.000000	.000000
4FIL13	.000000	.000000	.000000	.000000
4FIL14	.000000	.000000	.000000	.000000
4FIL15	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADLOUVERWL ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
A9	.000000	.000000	.000000	.000000
B2	.000000	.000000	.000000	.000000
B3	.000000	.000000	.000000	.000000
B4	.000000	.000000	.000000	.000000
B5	.000000	.000000	.000000	.000000
B6	.000000	.000000	.000000	.000000
B7	.000000	.000000	.000000	.000000
B8	.000000	.000000	.000000	.000000
B9	.000000	.000000	.000000	.000000
C2	.000000	.000000	.000000	.000000
C3	.000000	.000000	.000000	.000000
C4	.000000	.000000	.000000	.000000
C5	.000000	.000000	.000000	.000000
C6	.000000	.000000	.000000	.000000
C7	.000000	.000000	.000000	.000000
C8	.000000	.000000	.000000	.000000
C9	.000000	.000000	.000000	.000000
D1	.000000	.000000	.000000	.000000
F1	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F4	.000000	.000000	.000000	.000000
F5	.000000	.000000	.000000	.000000
F6	.000000	.000000	.000000	.000000
F7	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
H1	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H4	.000000	.000000	.000000	.000000

H5	.000000	.000000	.000000	.000000
H6	.000000	.000000	.000000	.000000
H7	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J4	.000000	.000000	.000000	.000000
J5	.000000	.000000	.000000	.000000
J6	.000000	.000000	.000000	.000000
J7	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L4	.000000	.000000	.000000	.000000
L5	.000000	.000000	.000000	.000000
L6	.000000	.000000	.000000	.000000
L7	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
A10	.000000	.000000	.000000	.000000
A11	.000000	.000000	.000000	.000000
A12	.000000	.000000	.000000	.000000
A13	.000000	.000000	.000000	.000000
A14	.000000	.000000	.000000	.000000
A15	.000000	.000000	.000000	.000000
B10	.000000	.000000	.000000	.000000
B11	.000000	.000000	.000000	.000000
B12	.000000	.000000	.000000	.000000
B13	.000000	.000000	.000000	.000000
B14	.000000	.000000	.000000	.000000
B15	.000000	.000000	.000000	.000000
C10	.000000	.000000	.000000	.000000
C11	.000000	.000000	.000000	.000000
C12	.000000	.000000	.000000	.000000
C13	.000000	.000000	.000000	.000000
C14	.000000	.000000	.000000	.000000
C15	.000000	.000000	.000000	.000000
DE1	.000000	.000000	.000000	.000000
DE2	.000000	.000000	.000000	.000000

DE3	.000000	.000000	.000000	.000000
DE4	.000000	.000000	.000000	.000000
DE5	.000000	.000000	.000000	.000000
DE6	.000000	.000000	.000000	.000000
DE7	.000000	.000000	.000000	.000000
DE8	.000000	.000000	.000000	.000000
DE9	.000000	.000000	.000000	.000000
F10	.000000	.000000	.000000	.000000
F11	.000000	.000000	.000000	.000000
F12	.000000	.000000	.000000	.000000
F13	.000000	.000000	.000000	.000000
F14	.000000	.000000	.000000	.000000
F15	.000000	.000000	.000000	.000000
H10	.000000	.000000	.000000	.000000
H11	.000000	.000000	.000000	.000000
H12	.000000	.000000	.000000	.000000
H13	.000000	.000000	.000000	.000000
H14	.000000	.000000	.000000	.000000
H15	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
J11	.000000	.000000	.000000	.000000
J12	.000000	.000000	.000000	.000000
J13	.000000	.000000	.000000	.000000
J14	.000000	.000000	.000000	.000000
J15	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
L11	.000000	.000000	.000000	.000000
L12	.000000	.000000	.000000	.000000
L13	.000000	.000000	.000000	.000000
L14	.000000	.000000	.000000	.000000
L15	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000
P11	.000000	.000000	.000000	.000000
P12	.000000	.000000	.000000	.000000
P13	.000000	.000000	.000000	.000000
P14	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
DE10	.000000	.000000	.000000	.000000
DE11	.000000	.000000	.000000	.000000
DE12	.000000	.000000	.000000	.000000
DE13	.000000	.000000	.000000	.000000
DE14	.000000	.000000	.000000	.000000
DE15	.000000	.000000	.000000	.000000
1FIL1	.000000	.000000	.000000	.000000
1FIL2	.000000	.000000	.000000	.000000
1FIL3	.000000	.000000	.000000	.000000
1FIL4	.000000	.000000	.000000	.000000
1FIL5	.000000	.000000	.000000	.000000
1FIL6	.000000	.000000	.000000	.000000
1FIL7	.000000	.000000	.000000	.000000
1FIL8	.000000	.000000	.000000	.000000
1FIL9	.000000	.000000	.000000	.000000
2FIL1	.000000	.000000	.000000	.000000
2FIL2	.000000	.000000	.000000	.000000
2FIL3	.000000	.000000	.000000	.000000
2FIL4	.000000	.000000	.000000	.000000

2FIL5	.000000	.000000	.000000	.000000
2FIL6	.000000	.000000	.000000	.000000
2FIL7	.000000	.000000	.000000	.000000
2FIL8	.000000	.000000	.000000	.000000
2FIL9	.000000	.000000	.000000	.000000
3FIL1	.000000	.000000	.000000	.000000
3FIL2	.000000	.000000	.000000	.000000
3FIL3	.000000	.000000	.000000	.000000
3FIL4	.000000	.000000	.000000	.000000
3FIL5	.000000	.000000	.000000	.000000
3FIL6	.000000	.000000	.000000	.000000
3FIL7	.000000	.000000	.000000	.000000
3FIL8	.000000	.000000	.000000	.000000
3FIL9	.000000	.000000	.000000	.000000
4FIL1	.000000	.000000	.000000	.000000
4FIL2	.000000	.000000	.000000	.000000
4FIL3	.000000	.000000	.000000	.000000
4FIL4	.000000	.000000	.000000	.000000
4FIL5	.000000	.000000	.000000	.000000
4FIL6	.000000	.000000	.000000	.000000
4FIL7	.000000	.000000	.000000	.000000
4FIL8	.000000	.000000	.000000	.000000
4FIL9	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
1FIL10	.000000	.000000	.000000	.000000
1FIL11	.000000	.000000	.000000	.000000
1FIL12	.000000	.000000	.000000	.000000
1FIL13	.000000	.000000	.000000	.000000
1FIL14	.000000	.000000	.000000	.000000
1FIL15	.000000	.000000	.000000	.000000
2FIL10	.000000	.000000	.000000	.000000
2FIL11	.000000	.000000	.000000	.000000
2FIL12	.000000	.000000	.000000	.000000
2FIL13	.000000	.000000	.000000	.000000
2FIL14	.000000	.000000	.000000	.000000
2FIL15	.000000	.000000	.000000	.000000
3FIL10	.000000	.000000	.000000	.000000
3FIL11	.000000	.000000	.000000	.000000
3FIL12	.000000	.000000	.000000	.000000
3FIL13	.000000	.000000	.000000	.000000
3FIL14	.000000	.000000	.000000	.000000
3FIL15	.000000	.000000	.000000	.000000
4FIL10	.000000	.000000	.000000	.000000
4FIL11	.000000	.000000	.000000	.000000
4FIL12	.000000	.000000	.000000	.000000
4FIL13	.000000	.000000	.000000	.000000
4FIL14	.000000	.000000	.000000	.000000
4FIL15	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOAD SECDIST ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
A9	.000000	.000000	.000000	.000000
B2	.000000	.000000	.000000	.000000
B3	.000000	.000000	.000000	.000000
B4	.000000	.000000	.000000	.000000
B5	.000000	.000000	.000000	.000000
B6	.000000	.000000	.000000	.000000
B7	.000000	.000000	.000000	.000000
B8	.000000	.000000	.000000	.000000
B9	.000000	.000000	.000000	.000000
C2	.000000	.000000	.000000	.000000
C3	.000000	.000000	.000000	.000000
C4	.000000	.000000	.000000	.000000
C5	.000000	.000000	.000000	.000000
C6	.000000	.000000	.000000	.000000
C7	.000000	.000000	.000000	.000000
C8	.000000	.000000	.000000	.000000
C9	.000000	.000000	.000000	.000000
D1	.000000	.000000	.000000	.000000
F1	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F4	.000000	.000000	.000000	.000000
F5	.000000	.000000	.000000	.000000
F6	.000000	.000000	.000000	.000000
F7	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
H1	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H4	.000000	.000000	.000000	.000000
H5	.000000	.000000	.000000	.000000
H6	.000000	.000000	.000000	.000000
H7	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J4	.000000	.000000	.000000	.000000
J5	.000000	.000000	.000000	.000000
J6	.000000	.000000	.000000	.000000
J7	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L4	.000000	.000000	.000000	.000000
L5	.000000	.000000	.000000	.000000
L6	.000000	.000000	.000000	.000000
L7	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000

L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
A10	.000000	.000000	.000000	.000000
A11	.000000	.000000	.000000	.000000
A12	.000000	.000000	.000000	.000000
A13	.000000	.000000	.000000	.000000
A14	.000000	.000000	.000000	.000000
A15	.000000	.000000	.000000	.000000
B10	.000000	.000000	.000000	.000000
B11	.000000	.000000	.000000	.000000
B12	.000000	.000000	.000000	.000000
B13	.000000	.000000	.000000	.000000
B14	.000000	.000000	.000000	.000000
B15	.000000	.000000	.000000	.000000
C10	.000000	.000000	.000000	.000000
C11	.000000	.000000	.000000	.000000
C12	.000000	.000000	.000000	.000000
C13	.000000	.000000	.000000	.000000
C14	.000000	.000000	.000000	.000000
C15	.000000	.000000	.000000	.000000
DE1	.000000	.000000	.000000	.000000
DE2	.000000	.000000	.000000	.000000
DE3	.000000	.000000	.000000	.000000
DE4	.000000	.000000	.000000	.000000
DE5	.000000	.000000	.000000	.000000
DE6	.000000	.000000	.000000	.000000
DE7	.000000	.000000	.000000	.000000
DE8	.000000	.000000	.000000	.000000
DE9	.000000	.000000	.000000	.000000
F10	.000000	.000000	.000000	.000000
F11	.000000	.000000	.000000	.000000
F12	.000000	.000000	.000000	.000000
F13	.000000	.000000	.000000	.000000
F14	.000000	.000000	.000000	.000000
F15	.000000	.000000	.000000	.000000
H10	.000000	.000000	.000000	.000000
H11	.000000	.000000	.000000	.000000
H12	.000000	.000000	.000000	.000000
H13	.000000	.000000	.000000	.000000
H14	.000000	.000000	.000000	.000000
H15	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
J11	.000000	.000000	.000000	.000000
J12	.000000	.000000	.000000	.000000

J13	.000000	.000000	.000000	.000000
J14	.000000	.000000	.000000	.000000
J15	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
L11	.000000	.000000	.000000	.000000
L12	.000000	.000000	.000000	.000000
L13	.000000	.000000	.000000	.000000
L14	.000000	.000000	.000000	.000000
L15	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000
P11	.000000	.000000	.000000	.000000
P12	.000000	.000000	.000000	.000000
P13	.000000	.000000	.000000	.000000
P14	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
DE10	.000000	.000000	.000000	.000000
DE11	.000000	.000000	.000000	.000000
DE12	.000000	.000000	.000000	.000000
DE13	.000000	.000000	.000000	.000000
DE14	.000000	.000000	.000000	.000000
DE15	.000000	.000000	.000000	.000000
1FIL1	.000000	.000000	.000000	.000000
1FIL2	.000000	.000000	.000000	.000000
1FIL3	.000000	.000000	.000000	.000000
1FIL4	.000000	.000000	.000000	.000000
1FIL5	.000000	.000000	.000000	.000000
1FIL6	.000000	.000000	.000000	.000000
1FIL7	.000000	.000000	.000000	.000000
1FIL8	.000000	.000000	.000000	.000000
1FIL9	.000000	.000000	.000000	.000000
2FIL1	.000000	.000000	.000000	.000000
2FIL2	.000000	.000000	.000000	.000000
2FIL3	.000000	.000000	.000000	.000000
2FIL4	.000000	.000000	.000000	.000000
2FIL5	.000000	.000000	.000000	.000000
2FIL6	.000000	.000000	.000000	.000000
2FIL7	.000000	.000000	.000000	.000000
2FIL8	.000000	.000000	.000000	.000000
2FIL9	.000000	.000000	.000000	.000000
3FIL1	.000000	.000000	.000000	.000000
3FIL2	.000000	.000000	.000000	.000000
3FIL3	.000000	.000000	.000000	.000000
3FIL4	.000000	.000000	.000000	.000000
3FIL5	.000000	.000000	.000000	.000000
3FIL6	.000000	.000000	.000000	.000000
3FIL7	.000000	.000000	.000000	.000000
3FIL8	.000000	.000000	.000000	.000000
3FIL9	.000000	.000000	.000000	.000000
4FIL1	.000000	.000000	.000000	.000000
4FIL2	.000000	.000000	.000000	.000000
4FIL3	.000000	.000000	.000000	.000000
4FIL4	.000000	.000000	.000000	.000000
4FIL5	.000000	.000000	.000000	.000000
4FIL6	.000000	.000000	.000000	.000000
4FIL7	.000000	.000000	.000000	.000000
4FIL8	.000000	.000000	.000000	.000000

4FIL9	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
1FIL10	.000000	.000000	.000000	.000000
1FIL11	.000000	.000000	.000000	.000000
1FIL12	.000000	.000000	.000000	.000000
1FIL13	.000000	.000000	.000000	.000000
1FIL14	.000000	.000000	.000000	.000000
1FIL15	.000000	.000000	.000000	.000000
2FIL10	.000000	.000000	.000000	.000000
2FIL11	.000000	.000000	.000000	.000000
2FIL12	.000000	.000000	.000000	.000000
2FIL13	.000000	.000000	.000000	.000000
2FIL14	.000000	.000000	.000000	.000000
2FIL15	.000000	.000000	.000000	.000000
3FIL10	.000000	.000000	.000000	.000000
3FIL11	.000000	.000000	.000000	.000000
3FIL12	.000000	.000000	.000000	.000000
3FIL13	.000000	.000000	.000000	.000000
3FIL14	.000000	.000000	.000000	.000000
3FIL15	.000000	.000000	.000000	.000000
4FIL10	.000000	.000000	.000000	.000000
4FIL11	.000000	.000000	.000000	.000000
4FIL12	.000000	.000000	.000000	.000000
4FIL13	.000000	.000000	.000000	.000000
4FIL14	.000000	.000000	.000000	.000000
4FIL15	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MAX

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
A9	.000000	.000000	.000000	.000000
B2	.000000	.000000	.000000	.000000
B3	.000000	.000000	.000000	.000000
B4	.000000	.000000	.000000	.000000
B5	.000000	.000000	.000000	.000000
B6	.000000	.000000	.000000	.000000
B7	.000000	.000000	.000000	.000000
B8	.000000	.000000	.000000	.000000
B9	.000000	.000000	.000000	.000000
C2	.000000	.000000	.000000	.000000
C3	.000000	.000000	.000000	.000000
C4	.000000	.000000	.000000	.000000

C5	.000000	.000000	.000000	.000000
C6	.000000	.000000	.000000	.000000
C7	.000000	.000000	.000000	.000000
C8	.000000	.000000	.000000	.000000
C9	.000000	.000000	.000000	.000000
D1	.000000	.000000	.000000	.000000
F1	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F4	.000000	.000000	.000000	.000000
F5	.000000	.000000	.000000	.000000
F6	.000000	.000000	.000000	.000000
F7	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
H1	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H4	.000000	.000000	.000000	.000000
H5	.000000	.000000	.000000	.000000
H6	.000000	.000000	.000000	.000000
H7	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J4	.000000	.000000	.000000	.000000
J5	.000000	.000000	.000000	.000000
J6	.000000	.000000	.000000	.000000
J7	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L4	.000000	.000000	.000000	.000000
L5	.000000	.000000	.000000	.000000
L6	.000000	.000000	.000000	.000000
L7	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
A10	.000000	.000000	.000000	.000000

A11	.000000	.000000	.000000	.000000
A12	.000000	.000000	.000000	.000000
A13	.000000	.000000	.000000	.000000
A14	.000000	.000000	.000000	.000000
A15	.000000	.000000	.000000	.000000
B10	.000000	.000000	.000000	.000000
B11	.000000	.000000	.000000	.000000
B12	.000000	.000000	.000000	.000000
B13	.000000	.000000	.000000	.000000
B14	.000000	.000000	.000000	.000000
B15	.000000	.000000	.000000	.000000
C10	.000000	.000000	.000000	.000000
C11	.000000	.000000	.000000	.000000
C12	.000000	.000000	.000000	.000000
C13	.000000	.000000	.000000	.000000
C14	.000000	.000000	.000000	.000000
C15	.000000	.000000	.000000	.000000
DE1	.000000	.000000	.000000	.000000
DE2	.000000	.000000	.000000	.000000
DE3	.000000	.000000	.000000	.000000
DE4	.000000	.000000	.000000	.000000
DE5	.000000	.000000	.000000	.000000
DE6	.000000	.000000	.000000	.000000
DE7	.000000	.000000	.000000	.000000
DE8	.000000	.000000	.000000	.000000
DE9	.000000	.000000	.000000	.000000
F10	.000000	.000000	.000000	.000000
F11	.000000	.000000	.000000	.000000
F12	.000000	.000000	.000000	.000000
F13	.000000	.000000	.000000	.000000
F14	.000000	.000000	.000000	.000000
F15	.000000	.000000	.000000	.000000
H10	.000000	.000000	.000000	.000000
H11	.000000	.000000	.000000	.000000
H12	.000000	.000000	.000000	.000000
H13	.000000	.000000	.000000	.000000
H14	.000000	.000000	.000000	.000000
H15	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
J11	.000000	.000000	.000000	.000000
J12	.000000	.000000	.000000	.000000
J13	.000000	.000000	.000000	.000000
J14	.000000	.000000	.000000	.000000
J15	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
L11	.000000	.000000	.000000	.000000
L12	.000000	.000000	.000000	.000000
L13	.000000	.000000	.000000	.000000
L14	.000000	.000000	.000000	.000000
L15	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000
P11	.000000	.000000	.000000	.000000
P12	.000000	.000000	.000000	.000000
P13	.000000	.000000	.000000	.000000
P14	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000

DE10	.000000	.000000	.000000	.000000
DE11	.000000	.000000	.000000	.000000
DE12	.000000	.000000	.000000	.000000
DE13	.000000	.000000	.000000	.000000
DE14	.000000	.000000	.000000	.000000
DE15	.000000	.000000	.000000	.000000
1FIL1	.000000	.000000	.000000	.000000
1FIL2	.000000	.000000	.000000	.000000
1FIL3	.000000	.000000	.000000	.000000
1FIL4	.000000	.000000	.000000	.000000
1FIL5	.000000	.000000	.000000	.000000
1FIL6	.000000	.000000	.000000	.000000
1FIL7	.000000	.000000	.000000	.000000
1FIL8	.000000	.000000	.000000	.000000
1FIL9	.000000	.000000	.000000	.000000
2FIL1	.000000	.000000	.000000	.000000
2FIL2	.000000	.000000	.000000	.000000
2FIL3	.000000	.000000	.000000	.000000
2FIL4	.000000	.000000	.000000	.000000
2FIL5	.000000	.000000	.000000	.000000
2FIL6	.000000	.000000	.000000	.000000
2FIL7	.000000	.000000	.000000	.000000
2FIL8	.000000	.000000	.000000	.000000
2FIL9	.000000	.000000	.000000	.000000
3FIL1	.000000	.000000	.000000	.000000
3FIL2	.000000	.000000	.000000	.000000
3FIL3	.000000	.000000	.000000	.000000
3FIL4	.000000	.000000	.000000	.000000
3FIL5	.000000	.000000	.000000	.000000
3FIL6	.000000	.000000	.000000	.000000
3FIL7	.000000	.000000	.000000	.000000
3FIL8	.000000	.000000	.000000	.000000
3FIL9	.000000	.000000	.000000	.000000
4FIL1	.000000	.000000	.000000	.000000
4FIL2	.000000	.000000	.000000	.000000
4FIL3	.000000	.000000	.000000	.000000
4FIL4	.000000	.000000	.000000	.000000
4FIL5	.000000	.000000	.000000	.000000
4FIL6	.000000	.000000	.000000	.000000
4FIL7	.000000	.000000	.000000	.000000
4FIL8	.000000	.000000	.000000	.000000
4FIL9	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
1FIL10	.000000	.000000	.000000	.000000
1FIL11	.000000	.000000	.000000	.000000
1FIL12	.000000	.000000	.000000	.000000
1FIL13	.000000	.000000	.000000	.000000
1FIL14	.000000	.000000	.000000	.000000
1FIL15	.000000	.000000	.000000	.000000
2FIL10	.000000	.000000	.000000	.000000
2FIL11	.000000	.000000	.000000	.000000
2FIL12	.000000	.000000	.000000	.000000
2FIL13	.000000	.000000	.000000	.000000
2FIL14	.000000	.000000	.000000	.000000
2FIL15	.000000	.000000	.000000	.000000

3FIL10	.000000	.000000	.000000	.000000
3FIL11	.000000	.000000	.000000	.000000
3FIL12	.000000	.000000	.000000	.000000
3FIL13	.000000	.000000	.000000	.000000
3FIL14	.000000	.000000	.000000	.000000
3FIL15	.000000	.000000	.000000	.000000
4FIL10	.000000	.000000	.000000	.000000
4FIL11	.000000	.000000	.000000	.000000
4FIL12	.000000	.000000	.000000	.000000
4FIL13	.000000	.000000	.000000	.000000
4FIL14	.000000	.000000	.000000	.000000
4FIL15	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
A9	.000000	.000000	.000000	.000000
B2	.000000	.000000	.000000	.000000
B3	.000000	.000000	.000000	.000000
B4	.000000	.000000	.000000	.000000
B5	.000000	.000000	.000000	.000000
B6	.000000	.000000	.000000	.000000
B7	.000000	.000000	.000000	.000000
B8	.000000	.000000	.000000	.000000
B9	.000000	.000000	.000000	.000000
C2	.000000	.000000	.000000	.000000
C3	.000000	.000000	.000000	.000000
C4	.000000	.000000	.000000	.000000
C5	.000000	.000000	.000000	.000000
C6	.000000	.000000	.000000	.000000
C7	.000000	.000000	.000000	.000000
C8	.000000	.000000	.000000	.000000
C9	.000000	.000000	.000000	.000000
D1	.000000	.000000	.000000	.000000
F1	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F4	.000000	.000000	.000000	.000000
F5	.000000	.000000	.000000	.000000
F6	.000000	.000000	.000000	.000000
F7	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
H1	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H4	.000000	.000000	.000000	.000000
H5	.000000	.000000	.000000	.000000
H6	.000000	.000000	.000000	.000000
H7	.000000	.000000	.000000	.000000

H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J4	.000000	.000000	.000000	.000000
J5	.000000	.000000	.000000	.000000
J6	.000000	.000000	.000000	.000000
J7	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L4	.000000	.000000	.000000	.000000
L5	.000000	.000000	.000000	.000000
L6	.000000	.000000	.000000	.000000
L7	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
A10	.000000	.000000	.000000	.000000
A11	.000000	.000000	.000000	.000000
A12	.000000	.000000	.000000	.000000
A13	.000000	.000000	.000000	.000000
A14	.000000	.000000	.000000	.000000
A15	.000000	.000000	.000000	.000000
B10	.000000	.000000	.000000	.000000
B11	.000000	.000000	.000000	.000000
B12	.000000	.000000	.000000	.000000
B13	.000000	.000000	.000000	.000000
B14	.000000	.000000	.000000	.000000
B15	.000000	.000000	.000000	.000000
C10	.000000	.000000	.000000	.000000
C11	.000000	.000000	.000000	.000000
C12	.000000	.000000	.000000	.000000
C13	.000000	.000000	.000000	.000000
C14	.000000	.000000	.000000	.000000
C15	.000000	.000000	.000000	.000000
DE1	.000000	.000000	.000000	.000000
DE2	.000000	.000000	.000000	.000000
DE3	.000000	.000000	.000000	.000000
DE4	.000000	.000000	.000000	.000000
DE5	.000000	.000000	.000000	.000000

DE6	.000000	.000000	.000000	.000000
DE7	.000000	.000000	.000000	.000000
DE8	.000000	.000000	.000000	.000000
DE9	.000000	.000000	.000000	.000000
F10	.000000	.000000	.000000	.000000
F11	.000000	.000000	.000000	.000000
F12	.000000	.000000	.000000	.000000
F13	.000000	.000000	.000000	.000000
F14	.000000	.000000	.000000	.000000
F15	.000000	.000000	.000000	.000000
H10	.000000	.000000	.000000	.000000
H11	.000000	.000000	.000000	.000000
H12	.000000	.000000	.000000	.000000
H13	.000000	.000000	.000000	.000000
H14	.000000	.000000	.000000	.000000
H15	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
J11	.000000	.000000	.000000	.000000
J12	.000000	.000000	.000000	.000000
J13	.000000	.000000	.000000	.000000
J14	.000000	.000000	.000000	.000000
J15	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
L11	.000000	.000000	.000000	.000000
L12	.000000	.000000	.000000	.000000
L13	.000000	.000000	.000000	.000000
L14	.000000	.000000	.000000	.000000
L15	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000
P11	.000000	.000000	.000000	.000000
P12	.000000	.000000	.000000	.000000
P13	.000000	.000000	.000000	.000000
P14	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
DE10	.000000	.000000	.000000	.000000
DE11	.000000	.000000	.000000	.000000
DE12	.000000	.000000	.000000	.000000
DE13	.000000	.000000	.000000	.000000
DE14	.000000	.000000	.000000	.000000
DE15	.000000	.000000	.000000	.000000
1FIL1	.000000	.000000	.000000	.000000
1FIL2	.000000	.000000	.000000	.000000
1FIL3	.000000	.000000	.000000	.000000
1FIL4	.000000	.000000	.000000	.000000
1FIL5	.000000	.000000	.000000	.000000
1FIL6	.000000	.000000	.000000	.000000
1FIL7	.000000	.000000	.000000	.000000
1FIL8	.000000	.000000	.000000	.000000
1FIL9	.000000	.000000	.000000	.000000
2FIL1	.000000	.000000	.000000	.000000
2FIL2	.000000	.000000	.000000	.000000
2FIL3	.000000	.000000	.000000	.000000
2FIL4	.000000	.000000	.000000	.000000
2FIL5	.000000	.000000	.000000	.000000
2FIL6	.000000	.000000	.000000	.000000
2FIL7	.000000	.000000	.000000	.000000

2FIL8	.000000	.000000	.000000	.000000
2FIL9	.000000	.000000	.000000	.000000
3FIL1	.000000	.000000	.000000	.000000
3FIL2	.000000	.000000	.000000	.000000
3FIL3	.000000	.000000	.000000	.000000
3FIL4	.000000	.000000	.000000	.000000
3FIL5	.000000	.000000	.000000	.000000
3FIL6	.000000	.000000	.000000	.000000
3FIL7	.000000	.000000	.000000	.000000
3FIL8	.000000	.000000	.000000	.000000
3FIL9	.000000	.000000	.000000	.000000
4FIL1	.000000	.000000	.000000	.000000
4FIL2	.000000	.000000	.000000	.000000
4FIL3	.000000	.000000	.000000	.000000
4FIL4	.000000	.000000	.000000	.000000
4FIL5	.000000	.000000	.000000	.000000
4FIL6	.000000	.000000	.000000	.000000
4FIL7	.000000	.000000	.000000	.000000
4FIL8	.000000	.000000	.000000	.000000
4FIL9	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
1FIL10	.000000	.000000	.000000	.000000
1FIL11	.000000	.000000	.000000	.000000
1FIL12	.000000	.000000	.000000	.000000
1FIL13	.000000	.000000	.000000	.000000
1FIL14	.000000	.000000	.000000	.000000
1FIL15	.000000	.000000	.000000	.000000
2FIL10	.000000	.000000	.000000	.000000
2FIL11	.000000	.000000	.000000	.000000
2FIL12	.000000	.000000	.000000	.000000
2FIL13	.000000	.000000	.000000	.000000
2FIL14	.000000	.000000	.000000	.000000
2FIL15	.000000	.000000	.000000	.000000
3FIL10	.000000	.000000	.000000	.000000
3FIL11	.000000	.000000	.000000	.000000
3FIL12	.000000	.000000	.000000	.000000
3FIL13	.000000	.000000	.000000	.000000
3FIL14	.000000	.000000	.000000	.000000
3FIL15	.000000	.000000	.000000	.000000
4FIL10	.000000	.000000	.000000	.000000
4FIL11	.000000	.000000	.000000	.000000
4FIL12	.000000	.000000	.000000	.000000
4FIL13	.000000	.000000	.000000	.000000
4FIL14	.000000	.000000	.000000	.000000
4FIL15	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

R E S T R A I N T F O R C E S (R E A C T I O N S)

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

LOAD DEAD ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	246.614250	.000000
A3	.000000	.000000	260.600250	.000000
A4	.000000	.000000	260.600250	.000000
A5	.000000	.000000	260.600250	.000000
A6	.000000	.000000	260.600250	.000000
A7	.000000	.000000	260.600250	.000000
A8	.000000	.000000	260.600250	.000000
A9	.000000	.000000	260.600250	.000000
D1	.000000	.000000	157.786500	.000000
A10	.000000	.000000	260.600250	.000000
A11	.000000	.000000	260.600250	.000000
A12	.000000	.000000	260.600250	.000000
A13	.000000	.000000	260.600250	.000000
A14	.000000	.000000	260.600250	.000000
A15	.000000	.000000	204.406500	.000000

LOADMANIFOLD ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
A9	.000000	.000000	.000000	.000000
D1	.000000	.000000	.000000	.000000
A10	.000000	.000000	.000000	.000000
A11	.000000	.000000	.000000	.000000
A12	.000000	.000000	.000000	.000000
A13	.000000	.000000	.000000	.000000
A14	.000000	.000000	.000000	.000000
A15	.000000	.000000	.000000	.000000

LOAD TBAR ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	669.000000	.000000
A3	.000000	.000000	669.000000	.000000
A4	.000000	.000000	669.000000	.000000
A5	.000000	.000000	669.000000	.000000
A6	.000000	.000000	669.000000	.000000
A7	.000000	.000000	669.000000	.000000
A8	.000000	.000000	669.000000	.000000
A9	.000000	.000000	669.000000	.000000
D1	.000000	.000000	335.000000	.000000
A10	.000000	.000000	669.000000	.000000
A11	.000000	.000000	669.000000	.000000
A12	.000000	.000000	669.000000	.000000
A13	.000000	.000000	669.000000	.000000
A14	.000000	.000000	669.000000	.000000
A15	.000000	.000000	669.000000	.000000

LOADTOPCOVER ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	1528.000	.000000
A3	.000000	.000000	437.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	437.000000	.000000
A7	.000000	.000000	1528.000	.000000
A8	.000000	.000000	1747.000	.000000
A9	.000000	.000000	1528.000	.000000
D1	.000000	.000000	873.000000	.000000
A10	.000000	.000000	437.000000	.000000
A11	.000000	.000000	.000000	.000000
A12	.000000	.000000	.000000	.000000
A13	.000000	.000000	437.000000	.000000
A14	.000000	.000000	1528.000	.000000
A15	.000000	.000000	1747.000	.000000

LOAD PEWALLS ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	3072.000	.000000
A9	.000000	.000000	.000000	.000000
D1	.000000	.000000	1276.000	.000000
A10	.000000	.000000	.000000	.000000
A11	.000000	.000000	.000000	.000000
A12	.000000	.000000	.000000	.000000
A13	.000000	.000000	.000000	.000000
A14	.000000	.000000	.000000	.000000
A15	.000000	.000000	3072.000	.000000

LOADHOTBASIN ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
A9	.000000	.000000	.000000	.000000
D1	.000000	.000000	.000000	.000000
A10	.000000	.000000	.000000	.000000
A11	.000000	.000000	.000000	.000000
A12	.000000	.000000	.000000	.000000
A13	.000000	.000000	.000000	.000000
A14	.000000	.000000	.000000	.000000
A15	.000000	.000000	.000000	.000000

LOADDRIFTELM ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	280.000000	.000000
A3	.000000	.000000	280.000000	.000000
A4	.000000	.000000	280.000000	.000000

A5	.000000	.000000	280.000000	.000000
A6	.000000	.000000	280.000000	.000000
A7	.000000	.000000	280.000000	.000000
A8	.000000	.000000	280.000000	.000000
A9	.000000	.000000	280.000000	.000000
D1	.000000	.000000	140.000000	.000000
A10	.000000	.000000	280.000000	.000000
A11	.000000	.000000	280.000000	.000000
A12	.000000	.000000	280.000000	.000000
A13	.000000	.000000	280.000000	.000000
A14	.000000	.000000	280.000000	.000000
A15	.000000	.000000	280.000000	.000000

LOADFANMOTOR ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	425.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	1872.000	.000000
A5	.000000	.000000	1872.000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	425.000000	.000000
A8	.000000	.000000	.000000	.000000
A9	.000000	.000000	425.000000	.000000
D1	.000000	.000000	.000000	.000000
A10	.000000	.000000	.000000	.000000
A11	.000000	.000000	1872.000	.000000
A12	.000000	.000000	1872.000	.000000
A13	.000000	.000000	.000000	.000000
A14	.000000	.000000	425.000000	.000000
A15	.000000	.000000	.000000	.000000

LOADCABLETRY ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
A9	.000000	.000000	.000000	.000000
D1	.000000	.000000	.000000	.000000
A10	.000000	.000000	.000000	.000000
A11	.000000	.000000	.000000	.000000
A12	.000000	.000000	.000000	.000000
A13	.000000	.000000	.000000	.000000
A14	.000000	.000000	.000000	.000000
A15	.000000	.000000	.000000	.000000

LOADLOUVERWL ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
A9	.000000	.000000	.000000	.000000
D1	.000000	.000000	.000000	.000000

A10	.000000	.000000	.000000	.000000
A11	.000000	.000000	.000000	.000000
A12	.000000	.000000	.000000	.000000
A13	.000000	.000000	.000000	.000000
A14	.000000	.000000	.000000	.000000
A15	.000000	.000000	.000000	.000000

LOAD SECDIST ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	.000000	.000000
A3	.000000	.000000	1083.000	.000000
A4	.000000	.000000	542.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
A9	.000000	.000000	.000000	.000000
D1	.000000	.000000	.000000	.000000
A10	.000000	.000000	.000000	.000000
A11	.000000	.000000	.000000	.000000
A12	.000000	.000000	.000000	.000000
A13	.000000	.000000	.000000	.000000
A14	.000000	.000000	.000000	.000000
A15	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MAX

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	3148.614	.000000
A3	.000000	.000000	2729.600	.000000
A4	.000000	.000000	3623.600	.000000
A5	.000000	.000000	3081.600	.000000
A6	.000000	.000000	1646.600	.000000
A7	.000000	.000000	3162.600	.000000
A8	.000000	.000000	6028.600	.000000
A9	.000000	.000000	3162.600	.000000
D1	.000000	.000000	2781.786	.000000
A10	.000000	.000000	1646.600	.000000
A11	.000000	.000000	3081.600	.000000
A12	.000000	.000000	3081.600	.000000
A13	.000000	.000000	1646.600	.000000
A14	.000000	.000000	3162.600	.000000
A15	.000000	.000000	5972.406	.000000

COMBDEADLOAD ---------- MIN

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	-3148.614	.000000
A3	.000000	.000000	-2729.600	.000000
A4	.000000	.000000	-3623.600	.000000
A5	.000000	.000000	-3081.600	.000000
A6	.000000	.000000	-1646.600	.000000
A7	.000000	.000000	-3162.600	.000000
A8	.000000	.000000	-6028.600	.000000
A9	.000000	.000000	-3162.600	.000000
D1	.000000	.000000	-2781.786	.000000
A10	.000000	.000000	-1646.600	.000000
A11	.000000	.000000	-3081.600	.000000
A12	.000000	.000000	-3081.600	.000000
A13	.000000	.000000	-1646.600	.000000
A14	.000000	.000000	-3162.600	.000000
A15	.000000	.000000	-5972.406	.000000

C O N S T R A I N T F O R C E S

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

LOAD DEAD ----------

JOINT	FX	FY	FZ	MY
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000

LOADMANIFOLD ----------

JOINT	FX	FY	FZ	MY
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000

LOAD TBAR ----------

JOINT	FX	FY	FZ	MY
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000

LOADTOPCOVER ----------

JOINT	FX	FY	FZ	MY
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000

LOAD PEWALLS ----------

JOINT	FX	FY	FZ	MY
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000

LOADHOTBASIN ----------

JOINT	FX	FY	FZ	MY

O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000

LOADDRIFTELM ----------

JOINT	FX	FY	FZ	MY
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000

LOADFANMOTOR ----------

JOINT	FX	FY	FZ	MY
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000

LOADCABLETRY ----------

JOINT	FX	FY	FZ	MY
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000

LOADLOUVERWL ----------

JOINT	FX	FY	FZ	MY
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000

LOAD SECDIST ----------

JOINT	FX	FY	FZ	MY
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MAX

JOINT	FX	FY	FZ	MY
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000

P7	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

JOINT	FX	FY	FZ	MY
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000

G L O B A L F O R C E B A L A N C E

TOTAL FORCE AND MOMENT AT THE ORIGIN, IN GLOBAL COORDINATES

LOAD DEAD ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	-4.59E-30	-3736.010	-448321.230	1.9125E+06	-5.71E-27
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	3736.010	448321.230	-1.9125E+06	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	-4.59E-30	-3.96E-11	-3.55E-09	1.79E-08	-5.71E-27

LOADMANIFOLD ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	.000000	.000000	.000000	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	.000000	.000000	.000000	.000000

LOAD TBAR ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-9701.000	-1.1641E+06	5.0576E+06	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	9701.000	1.1641E+06	-5.0576E+06	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	-7.64E-11	-9.55E-09	4.00E-08	.000000

LOADTOPCOVER ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-12227.000	-1.4672E+06	6.6029E+06	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	12227.000	1.4672E+06	-6.6029E+06	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	-1.58E-10	-1.89E-08	8.75E-08	.000000

LOAD PEWALLS ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-7420.000	-890400.000	4.6449E+06	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	7420.000	890400.000	-4.6449E+06	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	-7.46E-11	-8.96E-09	5.22E-08	.000000

LOADHOTBASIN ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	.000000	.000000	.000000	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	.000000	.000000	.000000	.000000

LOADDRIFTELM ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-4060.000	-487200.000	2.1168E+06	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	4060.000	487200.000	-2.1168E+06	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	-4.14E-11	-5.01E-09	2.24E-08	.000000

LOADFANMOTOR ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-9188.000	-1.1026E+06	4.6308E+06	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	9188.000	1.1026E+06	-4.6308E+06	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	-1.18E-10	-1.42E-08	5.87E-08	.000000

LOADCABLETRY ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	.000000	.000000	.000000	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	.000000	.000000	.000000	.000000

LOADLOUVERWL ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	.000000	.000000	.000000	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	.000000	.000000	.000000	.000000

LOAD SECDIST ----------

	FX	FY	FZ	MX	MY	MZ

APPLIED	.000000	.000000	-1625.000	-195000.000	273024.000	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	1625.000	195000.000	-273024.000	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	-2.00E-11	-2.39E-09	3.32E-09	.000000

COMBDEADLOAD ---------- MAX

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	4.59E-30	47957.010	5.7548E+06	2.5238E+07	5.71E-27
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	47957.010	5.7548E+06	2.5238E+07	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	4.59E-30	5.28E-10	6.25E-08	2.82E-07	5.71E-27

COMBDEADLOAD ---------- MIN

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	-4.59E-30	-47957.010	-5.7548E+06	-2.5238E+07	-5.71E-27
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	-47957.010	-5.7548E+06	-2.5238E+07	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	-4.59E-30	-5.28E-10	-6.25E-08	-2.82E-07	-5.71E-27

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F R A M E E L E M E N T I N T E R N A L F O R C E S

ELEM 1 ========== LENGTH = 18.250000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2687.786	.000000	.000000	.000000	.000000	.000000
0.50000	2685.719	.000000	.000000	.000000	.000000	.000000
1.00000	2683.651	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2687.786	.000000	.000000	.000000	.000000	.000000
0.50000	-2685.719	.000000	.000000	.000000	.000000	.000000
1.00000	-2683.651	.000000	.000000	.000000	.000000	.000000

ELEM 2 ========== LENGTH = 56.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2587.651	.000000	.000000	.000000	.000000	.000000
0.50000	2581.220	.000000	.000000	.000000	.000000	.000000
1.00000	2574.790	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2587.651	.000000	.000000	.000000	.000000	.000000

```
0.50000   -2581.220     .000000     .000000     .000000     .000000     .000000
1.00000   -2574.790     .000000     .000000     .000000     .000000     .000000

ELEM       3 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2353.797     .000000     .000000     .000000     .000000     .000000
0.50000    2351.077     .000000     .000000     .000000     .000000     .000000
1.00000    2348.358     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2353.797     .000000     .000000     .000000     .000000     .000000
0.50000   -2351.077     .000000     .000000     .000000     .000000     .000000
1.00000   -2348.358     .000000     .000000     .000000     .000000     .000000

ELEM       4 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2187.358     .000000     .000000     .000000     .000000     .000000
0.50000    2179.199     .000000     .000000     .000000     .000000     .000000
1.00000    2171.041     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2187.358     .000000     .000000     .000000     .000000     .000000
0.50000   -2179.199     .000000     .000000     .000000     .000000     .000000
1.00000   -2171.041     .000000     .000000     .000000     .000000     .000000

ELEM       5 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1924.048     .000000     .000000     .000000     .000000     .000000
0.50000    1921.328     .000000     .000000     .000000     .000000     .000000
1.00000    1918.609     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1924.048     .000000     .000000     .000000     .000000     .000000
0.50000   -1921.328     .000000     .000000     .000000     .000000     .000000
1.00000   -1918.609     .000000     .000000     .000000     .000000     .000000

ELEM       6 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1785.609     .000000     .000000     .000000     .000000     .000000
0.50000    1777.450     .000000     .000000     .000000     .000000     .000000
1.00000    1769.292     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000   -1785.609     .000000     .000000     .000000     .000000     .000000
0.50000   -1777.450     .000000     .000000     .000000     .000000     .000000
1.00000   -1769.292     .000000     .000000     .000000     .000000     .000000

ELEM       7 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1522.299     .000000     .000000     .000000     .000000     .000000
0.50000    1519.579     .000000     .000000     .000000     .000000     .000000
1.00000    1516.860     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1522.299     .000000     .000000     .000000     .000000     .000000
0.50000   -1519.579     .000000     .000000     .000000     .000000     .000000
1.00000   -1516.860     .000000     .000000     .000000     .000000     .000000

ELEM       8 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1445.860     .000000     .000000     .000000     .000000     .000000
0.50000    1437.701     .000000     .000000     .000000     .000000     .000000
1.00000    1429.543     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1445.860     .000000     .000000     .000000     .000000     .000000
0.50000   -1437.701     .000000     .000000     .000000     .000000     .000000
1.00000   -1429.543     .000000     .000000     .000000     .000000     .000000

ELEM       9 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1242.550     .000000     .000000     .000000     .000000     .000000
0.50000    1239.830     .000000     .000000     .000000     .000000     .000000
1.00000    1237.111     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1242.550     .000000     .000000     .000000     .000000     .000000
0.50000   -1239.830     .000000     .000000     .000000     .000000     .000000
1.00000   -1237.111     .000000     .000000     .000000     .000000     .000000

ELEM      10 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1223.111     .000000     .000000     .000000     .000000     .000000
0.50000    1220.391     .000000     .000000     .000000     .000000     .000000
1.00000    1217.672     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1223.111	.000000	.000000	.000000	.000000	.000000
0.50000	-1220.391	.000000	.000000	.000000	.000000	.000000
1.00000	-1217.672	.000000	.000000	.000000	.000000	.000000

ELEM 11 ========== LENGTH = 9.437500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1026.679	.000000	.000000	.000000	.000000	.000000
0.50000	1025.609	.000000	.000000	.000000	.000000	.000000
1.00000	1024.540	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1026.679	.000000	.000000	.000000	.000000	.000000
0.50000	-1025.609	.000000	.000000	.000000	.000000	.000000
1.00000	-1024.540	.000000	.000000	.000000	.000000	.000000

ELEM 12 ========== LENGTH = 68.562500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1024.540	.000000	.000000	.000000	.000000	.000000
0.50000	1016.771	.000000	.000000	.000000	.000000	.000000
1.00000	1009.002	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1024.540	.000000	.000000	.000000	.000000	.000000
0.50000	-1016.771	.000000	.000000	.000000	.000000	.000000
1.00000	-1009.002	.000000	.000000	.000000	.000000	.000000

ELEM 13 ========== LENGTH = 21.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1009.002	.000000	.000000	.000000	.000000	.000000
0.50000	1006.622	.000000	.000000	.000000	.000000	.000000
1.00000	1004.243	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1009.002	.000000	.000000	.000000	.000000	.000000
0.50000	-1006.622	.000000	.000000	.000000	.000000	.000000
1.00000	-1004.243	.000000	.000000	.000000	.000000	.000000

ELEM 15 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 16 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 17 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 18 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 19 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 21 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.242750	8.77E-16	.000000	.000000	.000000
0.25000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
0.50000	.000000	4.39E-15	2.16E-31	.000000	1.58E-14	130.369500
0.75000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
1.00000	.000000	7.242750	8.77E-16	.000000	1.55E-29	3.14E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.242750	-8.77E-16	.000000	.000000	.000000
0.25000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
0.50000	.000000	-4.39E-15	-2.16E-31	.000000	-1.58E-14	-130.369500
0.75000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
1.00000	.000000	-7.242750	-8.77E-16	.000000	-1.55E-29	-3.14E-13

ELEM 22 ========== LENGTH = 60.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	3148.614	.000000	.000000	.000000	.000000	.000000
0.50000	3141.759	.000000	.000000	.000000	.000000	.000000
1.00000	3134.903	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-3148.614	.000000	.000000	.000000	.000000	.000000
0.50000	-3141.759	.000000	.000000	.000000	.000000	.000000
1.00000	-3134.903	.000000	.000000	.000000	.000000	.000000

ELEM 23 ========== LENGTH = 62.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	3127.910	.000000	.000000	.000000	.000000	.000000
0.50000	3120.885	.000000	.000000	.000000	.000000	.000000
1.00000	3113.860	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-3127.910	.000000	.000000	.000000	.000000	.000000
0.50000	-3120.885	.000000	.000000	.000000	.000000	.000000
1.00000	-3113.860	.000000	.000000	.000000	.000000	.000000

ELEM 24 ========== LENGTH = 39.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	3106.867	.000000	.000000	.000000	.000000	.000000
0.50000	3102.363	.000000	.000000	.000000	.000000	.000000
1.00000	3097.858	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-3106.867	.000000	.000000	.000000	.000000	.000000
0.50000	-3102.363	.000000	.000000	.000000	.000000	.000000
1.00000	-3097.858	.000000	.000000	.000000	.000000	.000000

ELEM 25 ========== LENGTH = 56.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2905.858	.000000	.000000	.000000	.000000	.000000
0.50000	2899.428	.000000	.000000	.000000	.000000	.000000
1.00000	2892.997	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2905.858	.000000	.000000	.000000	.000000	.000000
0.50000	-2899.428	.000000	.000000	.000000	.000000	.000000
1.00000	-2892.997	.000000	.000000	.000000	.000000	.000000

ELEM 26 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2879.011	.000000	.000000	.000000	.000000	.000000
0.50000	2876.292	.000000	.000000	.000000	.000000	.000000
1.00000	2873.572	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2879.011	.000000	.000000	.000000	.000000	.000000
0.50000	-2876.292	.000000	.000000	.000000	.000000	.000000
1.00000	-2873.572	.000000	.000000	.000000	.000000	.000000

ELEM 27 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2552.572	.000000	.000000	.000000	.000000	.000000
0.50000	2544.414	.000000	.000000	.000000	.000000	.000000
1.00000	2536.255	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2552.572	.000000	.000000	.000000	.000000	.000000
0.50000	-2544.414	.000000	.000000	.000000	.000000	.000000
1.00000	-2536.255	.000000	.000000	.000000	.000000	.000000

ELEM 28 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2522.269	.000000	.000000	.000000	.000000	.000000
0.50000	2519.550	.000000	.000000	.000000	.000000	.000000
1.00000	2516.830	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2522.269	.000000	.000000	.000000	.000000	.000000
0.50000	-2519.550	.000000	.000000	.000000	.000000	.000000
1.00000	-2516.830	.000000	.000000	.000000	.000000	.000000

ELEM 29 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2250.830	.000000	.000000	.000000	.000000	.000000
0.50000	2242.672	.000000	.000000	.000000	.000000	.000000
1.00000	2234.513	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2250.830	.000000	.000000	.000000	.000000	.000000
0.50000	-2242.672	.000000	.000000	.000000	.000000	.000000
1.00000	-2234.513	.000000	.000000	.000000	.000000	.000000

ELEM 30 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2220.527	.000000	.000000	.000000	.000000	.000000
0.50000	2217.808	.000000	.000000	.000000	.000000	.000000
1.00000	2215.088	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2220.527	.000000	.000000	.000000	.000000	.000000
0.50000	-2217.808	.000000	.000000	.000000	.000000	.000000

```
1.00000   -2215.088     .000000     .000000     .000000     .000000     .000000

ELEM      31 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2073.088     .000000     .000000     .000000     .000000     .000000
0.50000    2064.930     .000000     .000000     .000000     .000000     .000000
1.00000    2056.771     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2073.088     .000000     .000000     .000000     .000000     .000000
0.50000   -2064.930     .000000     .000000     .000000     .000000     .000000
1.00000   -2056.771     .000000     .000000     .000000     .000000     .000000

ELEM      32 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2042.785     .000000     .000000     .000000     .000000     .000000
0.50000    2040.066     .000000     .000000     .000000     .000000     .000000
1.00000    2037.346     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2042.785     .000000     .000000     .000000     .000000     .000000
0.50000   -2040.066     .000000     .000000     .000000     .000000     .000000
1.00000   -2037.346     .000000     .000000     .000000     .000000     .000000

ELEM      33 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2009.346     .000000     .000000     .000000     .000000     .000000
0.50000    2006.627     .000000     .000000     .000000     .000000     .000000
1.00000    2003.907     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2009.346     .000000     .000000     .000000     .000000     .000000
0.50000   -2006.627     .000000     .000000     .000000     .000000     .000000
1.00000   -2003.907     .000000     .000000     .000000     .000000     .000000

ELEM      34 ================== LENGTH =    9.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1989.921     .000000     .000000     .000000     .000000     .000000
0.50000    1988.852     .000000     .000000     .000000     .000000     .000000
1.00000    1987.783     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1989.921     .000000     .000000     .000000     .000000     .000000
```

```
0.50000   -1988.852     .000000     .000000     .000000     .000000     .000000
1.00000   -1987.783     .000000     .000000     .000000     .000000     .000000

ELEM      35 ================== LENGTH =   89.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1987.783     .000000     .000000     .000000     .000000     .000000
0.50000    1977.634     .000000     .000000     .000000     .000000     .000000
1.00000    1967.485     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1987.783     .000000     .000000     .000000     .000000     .000000
0.50000   -1977.634     .000000     .000000     .000000     .000000     .000000
1.00000   -1967.485     .000000     .000000     .000000     .000000     .000000

ELEM      36 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM      37 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM      38 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 40 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 41 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 42 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500

0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 44 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 45 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.242750	8.77E-16	.000000	.000000	.000000
0.25000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
0.50000	.000000	4.39E-15	2.16E-31	.000000	1.58E-14	130.369500
0.75000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
1.00000	.000000	7.242750	8.77E-16	.000000	1.55E-29	3.14E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.242750	-8.77E-16	.000000	.000000	.000000
0.25000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
0.50000	.000000	-4.39E-15	-2.16E-31	.000000	-1.58E-14	-130.369500
0.75000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
1.00000	.000000	-7.242750	-8.77E-16	.000000	-1.55E-29	-3.14E-13

ELEM 46 ========== LENGTH = 60.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2729.600	.000000	.000000	.000000	.000000	.000000
0.50000	2722.745	.000000	.000000	.000000	.000000	.000000
1.00000	2715.889	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2729.600	.000000	.000000	.000000	.000000	.000000
0.50000	-2722.745	.000000	.000000	.000000	.000000	.000000
1.00000	-2715.889	.000000	.000000	.000000	.000000	.000000

ELEM 47 ========== LENGTH = 62.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2701.903	.000000	.000000	.000000	.000000	.000000
0.50000	2694.878	.000000	.000000	.000000	.000000	.000000
1.00000	2687.853	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2701.903	.000000	.000000	.000000	.000000	.000000
0.50000	-2694.878	.000000	.000000	.000000	.000000	.000000
1.00000	-2687.853	.000000	.000000	.000000	.000000	.000000

ELEM 48 ========== LENGTH = 39.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2673.867	.000000	.000000	.000000	.000000	.000000
0.50000	2669.363	.000000	.000000	.000000	.000000	.000000
1.00000	2664.858	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2673.867	.000000	.000000	.000000	.000000	.000000
0.50000	-2669.363	.000000	.000000	.000000	.000000	.000000
1.00000	-2664.858	.000000	.000000	.000000	.000000	.000000

ELEM 49 ========== LENGTH = 56.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2472.858	.000000	.000000	.000000	.000000	.000000
0.50000	2466.428	.000000	.000000	.000000	.000000	.000000
1.00000	2459.997	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2472.858	.000000	.000000	.000000	.000000	.000000
0.50000	-2466.428	.000000	.000000	.000000	.000000	.000000
1.00000	-2459.997	.000000	.000000	.000000	.000000	.000000

ELEM 50 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2446.011	.000000	.000000	.000000	.000000	.000000
0.50000	2443.292	.000000	.000000	.000000	.000000	.000000
1.00000	2440.572	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2446.011	.000000	.000000	.000000	.000000	.000000
0.50000	-2443.292	.000000	.000000	.000000	.000000	.000000
1.00000	-2440.572	.000000	.000000	.000000	.000000	.000000

ELEM 51 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2119.572	.000000	.000000	.000000	.000000	.000000
0.50000	2111.414	.000000	.000000	.000000	.000000	.000000
1.00000	2103.255	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2119.572	.000000	.000000	.000000	.000000	.000000
0.50000	-2111.414	.000000	.000000	.000000	.000000	.000000
1.00000	-2103.255	.000000	.000000	.000000	.000000	.000000

ELEM 52 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2089.269	.000000	.000000	.000000	.000000	.000000
0.50000	2086.550	.000000	.000000	.000000	.000000	.000000
1.00000	2083.830	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2089.269	.000000	.000000	.000000	.000000	.000000
0.50000	-2086.550	.000000	.000000	.000000	.000000	.000000
1.00000	-2083.830	.000000	.000000	.000000	.000000	.000000

ELEM 53 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1817.830	.000000	.000000	.000000	.000000	.000000
0.50000	1809.672	.000000	.000000	.000000	.000000	.000000
1.00000	1801.513	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1817.830	.000000	.000000	.000000	.000000	.000000
0.50000	-1809.672	.000000	.000000	.000000	.000000	.000000
1.00000	-1801.513	.000000	.000000	.000000	.000000	.000000

ELEM 54 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1787.527	.000000	.000000	.000000	.000000	.000000
0.50000	1784.808	.000000	.000000	.000000	.000000	.000000
1.00000	1782.088	.000000	.000000	.000000	.000000	.000000

```
COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1787.527     .000000     .000000     .000000     .000000     .000000
0.50000   -1784.808     .000000     .000000     .000000     .000000     .000000
1.00000   -1782.088     .000000     .000000     .000000     .000000     .000000

ELEM      55 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1640.088     .000000     .000000     .000000     .000000     .000000
0.50000    1631.930     .000000     .000000     .000000     .000000     .000000
1.00000    1623.771     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1640.088     .000000     .000000     .000000     .000000     .000000
0.50000   -1631.930     .000000     .000000     .000000     .000000     .000000
1.00000   -1623.771     .000000     .000000     .000000     .000000     .000000

ELEM      56 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1609.785     .000000     .000000     .000000     .000000     .000000
0.50000    1607.066     .000000     .000000     .000000     .000000     .000000
1.00000    1604.346     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1609.785     .000000     .000000     .000000     .000000     .000000
0.50000   -1607.066     .000000     .000000     .000000     .000000     .000000
1.00000   -1604.346     .000000     .000000     .000000     .000000     .000000

ELEM      57 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  493.346375     .000000     .000000     .000000     .000000     .000000
0.50000  490.626875     .000000     .000000     .000000     .000000     .000000
1.00000  487.907375     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -493.346375     .000000     .000000     .000000     .000000     .000000
0.50000 -490.626875     .000000     .000000     .000000     .000000     .000000
1.00000 -487.907375     .000000     .000000     .000000     .000000     .000000

ELEM      58 ================== LENGTH =    9.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  473.921375     .000000     .000000     .000000     .000000     .000000
0.50000  472.851988     .000000     .000000     .000000     .000000     .000000
```

```
1.00000  471.782602     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -473.921375     .000000     .000000     .000000     .000000     .000000
0.50000 -472.851988     .000000     .000000     .000000     .000000     .000000
1.00000 -471.782602     .000000     .000000     .000000     .000000     .000000

ELEM      59 ================== LENGTH =   89.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  471.782602     .000000     .000000     .000000     .000000     .000000
0.50000  461.634051     .000000     .000000     .000000     .000000     .000000
1.00000  451.485500     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -471.782602     .000000     .000000     .000000     .000000     .000000
0.50000 -461.634051     .000000     .000000     .000000     .000000     .000000
1.00000 -451.485500     .000000     .000000     .000000     .000000     .000000

ELEM      60 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM      61 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
```

```
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM      62 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM      63 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM      65 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM      67 ================== LENGTH =   72.000000
```

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 68 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 69 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.242750	8.77E-16	.000000	.000000	.000000
0.25000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
0.50000	.000000	4.39E-15	2.16E-31	.000000	1.58E-14	130.369500
0.75000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
1.00000	.000000	7.242750	8.77E-16	.000000	1.55E-29	3.14E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.242750	-8.77E-16	.000000	.000000	.000000
0.25000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
0.50000	.000000	-4.39E-15	-2.16E-31	.000000	-1.58E-14	-130.369500
0.75000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
1.00000	.000000	-7.242750	-8.77E-16	.000000	-1.55E-29	-3.14E-13

ELEM 70 ========== LENGTH = 60.500000

COMBDEADLOAD ---------- MAX

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    3623.600     .000000     .000000     .000000     .000000     .000000
0.50000    3616.745     .000000     .000000     .000000     .000000     .000000
1.00000    3609.889     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3623.600     .000000     .000000     .000000     .000000     .000000
0.50000   -3616.745     .000000     .000000     .000000     .000000     .000000
1.00000   -3609.889     .000000     .000000     .000000     .000000     .000000

ELEM      71 ================== LENGTH =   62.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3595.903     .000000     .000000     .000000     .000000     .000000
0.50000    3588.878     .000000     .000000     .000000     .000000     .000000
1.00000    3581.853     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3595.903     .000000     .000000     .000000     .000000     .000000
0.50000   -3588.878     .000000     .000000     .000000     .000000     .000000
1.00000   -3581.853     .000000     .000000     .000000     .000000     .000000

ELEM      72 ================== LENGTH =   39.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3567.867     .000000     .000000     .000000     .000000     .000000
0.50000    3563.363     .000000     .000000     .000000     .000000     .000000
1.00000    3558.858     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3567.867     .000000     .000000     .000000     .000000     .000000
0.50000   -3563.363     .000000     .000000     .000000     .000000     .000000
1.00000   -3558.858     .000000     .000000     .000000     .000000     .000000

ELEM      73 ================== LENGTH =   56.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3366.858     .000000     .000000     .000000     .000000     .000000
0.50000    3360.428     .000000     .000000     .000000     .000000     .000000
1.00000    3353.997     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3366.858     .000000     .000000     .000000     .000000     .000000
0.50000   -3360.428     .000000     .000000     .000000     .000000     .000000
1.00000   -3353.997     .000000     .000000     .000000     .000000     .000000

ELEM      74 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    3340.011     .000000     .000000     .000000     .000000     .000000
0.50000    3337.292     .000000     .000000     .000000     .000000     .000000
1.00000    3334.572     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3340.011     .000000     .000000     .000000     .000000     .000000
0.50000   -3337.292     .000000     .000000     .000000     .000000     .000000
1.00000   -3334.572     .000000     .000000     .000000     .000000     .000000

ELEM      75 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3013.572     .000000     .000000     .000000     .000000     .000000
0.50000    3005.414     .000000     .000000     .000000     .000000     .000000
1.00000    2997.255     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3013.572     .000000     .000000     .000000     .000000     .000000
0.50000   -3005.414     .000000     .000000     .000000     .000000     .000000
1.00000   -2997.255     .000000     .000000     .000000     .000000     .000000

ELEM      76 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2983.269     .000000     .000000     .000000     .000000     .000000
0.50000    2980.550     .000000     .000000     .000000     .000000     .000000
1.00000    2977.830     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2983.269     .000000     .000000     .000000     .000000     .000000
0.50000   -2980.550     .000000     .000000     .000000     .000000     .000000
1.00000   -2977.830     .000000     .000000     .000000     .000000     .000000

ELEM      77 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2711.830     .000000     .000000     .000000     .000000     .000000
0.50000    2703.672     .000000     .000000     .000000     .000000     .000000
1.00000    2695.513     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2711.830     .000000     .000000     .000000     .000000     .000000
0.50000   -2703.672     .000000     .000000     .000000     .000000     .000000
1.00000   -2695.513     .000000     .000000     .000000     .000000     .000000

ELEM      78 ================== LENGTH =   24.000000
```

```
COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2681.527    .000000     .000000     .000000     .000000     .000000
0.50000    2678.808    .000000     .000000     .000000     .000000     .000000
1.00000    2676.088    .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2681.527    .000000     .000000     .000000     .000000     .000000
0.50000   -2678.808    .000000     .000000     .000000     .000000     .000000
1.00000   -2676.088    .000000     .000000     .000000     .000000     .000000

ELEM      79 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2534.088    .000000     .000000     .000000     .000000     .000000
0.50000    2525.930    .000000     .000000     .000000     .000000     .000000
1.00000    2517.771    .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2534.088    .000000     .000000     .000000     .000000     .000000
0.50000   -2525.930    .000000     .000000     .000000     .000000     .000000
1.00000   -2517.771    .000000     .000000     .000000     .000000     .000000

ELEM      80 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2503.785    .000000     .000000     .000000     .000000     .000000
0.50000    2501.066    .000000     .000000     .000000     .000000     .000000
1.00000    2498.346    .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2503.785    .000000     .000000     .000000     .000000     .000000
0.50000   -2501.066    .000000     .000000     .000000     .000000     .000000
1.00000   -2498.346    .000000     .000000     .000000     .000000     .000000

ELEM      81 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1928.346    .000000     .000000     .000000     .000000     .000000
0.50000    1925.627    .000000     .000000     .000000     .000000     .000000
1.00000    1922.907    .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1928.346    .000000     .000000     .000000     .000000     .000000
0.50000   -1925.627    .000000     .000000     .000000     .000000     .000000
1.00000   -1922.907    .000000     .000000     .000000     .000000     .000000

ELEM      82 ================== LENGTH =    9.437500
```

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1908.921	.000000	.000000	.000000	.000000	.000000
0.50000	1907.852	.000000	.000000	.000000	.000000	.000000
1.00000	1906.783	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1908.921	.000000	.000000	.000000	.000000	.000000
0.50000	-1907.852	.000000	.000000	.000000	.000000	.000000
1.00000	-1906.783	.000000	.000000	.000000	.000000	.000000

ELEM 83 ========== LENGTH = 89.562500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1906.783	.000000	.000000	.000000	.000000	.000000
0.50000	1896.634	.000000	.000000	.000000	.000000	.000000
1.00000	1886.486	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1906.783	.000000	.000000	.000000	.000000	.000000
0.50000	-1896.634	.000000	.000000	.000000	.000000	.000000
1.00000	-1886.486	.000000	.000000	.000000	.000000	.000000

ELEM 84 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 85 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 86 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 87 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 89 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000

0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 91 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 92 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 93 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.242750	8.77E-16	.000000	.000000	.000000
0.25000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
0.50000	.000000	4.39E-15	2.16E-31	.000000	1.58E-14	130.369500
0.75000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
1.00000	.000000	7.242750	8.77E-16	.000000	1.55E-29	3.14E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.242750	-8.77E-16	.000000	.000000	.000000
0.25000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
0.50000	.000000	-4.39E-15	-2.16E-31	.000000	-1.58E-14	-130.369500
0.75000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125

```
1.00000     .000000   -7.242750   -8.77E-16     .000000   -1.55E-29   -3.14E-13

ELEM      94 ================== LENGTH =   60.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3081.600     .000000     .000000     .000000     .000000     .000000
0.50000    3074.745     .000000     .000000     .000000     .000000     .000000
1.00000    3067.889     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3081.600     .000000     .000000     .000000     .000000     .000000
0.50000   -3074.745     .000000     .000000     .000000     .000000     .000000
1.00000   -3067.889     .000000     .000000     .000000     .000000     .000000

ELEM      95 ================== LENGTH =   62.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3053.903     .000000     .000000     .000000     .000000     .000000
0.50000    3046.878     .000000     .000000     .000000     .000000     .000000
1.00000    3039.853     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3053.903     .000000     .000000     .000000     .000000     .000000
0.50000   -3046.878     .000000     .000000     .000000     .000000     .000000
1.00000   -3039.853     .000000     .000000     .000000     .000000     .000000

ELEM      96 ================== LENGTH =   39.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3025.867     .000000     .000000     .000000     .000000     .000000
0.50000    3021.363     .000000     .000000     .000000     .000000     .000000
1.00000    3016.858     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3025.867     .000000     .000000     .000000     .000000     .000000
0.50000   -3021.363     .000000     .000000     .000000     .000000     .000000
1.00000   -3016.858     .000000     .000000     .000000     .000000     .000000

ELEM      97 ================== LENGTH =   56.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2824.858     .000000     .000000     .000000     .000000     .000000
0.50000    2818.428     .000000     .000000     .000000     .000000     .000000
1.00000    2811.997     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2824.858     .000000     .000000     .000000     .000000     .000000
```

```
0.50000   -2818.428     .000000     .000000     .000000     .000000     .000000
1.00000   -2811.997     .000000     .000000     .000000     .000000     .000000

ELEM      98 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2798.011     .000000     .000000     .000000     .000000     .000000
0.50000    2795.292     .000000     .000000     .000000     .000000     .000000
1.00000    2792.572     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2798.011     .000000     .000000     .000000     .000000     .000000
0.50000   -2795.292     .000000     .000000     .000000     .000000     .000000
1.00000   -2792.572     .000000     .000000     .000000     .000000     .000000

ELEM      99 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2471.572     .000000     .000000     .000000     .000000     .000000
0.50000    2463.414     .000000     .000000     .000000     .000000     .000000
1.00000    2455.255     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2471.572     .000000     .000000     .000000     .000000     .000000
0.50000   -2463.414     .000000     .000000     .000000     .000000     .000000
1.00000   -2455.255     .000000     .000000     .000000     .000000     .000000

ELEM     100 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2441.269     .000000     .000000     .000000     .000000     .000000
0.50000    2438.550     .000000     .000000     .000000     .000000     .000000
1.00000    2435.830     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2441.269     .000000     .000000     .000000     .000000     .000000
0.50000   -2438.550     .000000     .000000     .000000     .000000     .000000
1.00000   -2435.830     .000000     .000000     .000000     .000000     .000000

ELEM     101 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2169.830     .000000     .000000     .000000     .000000     .000000
0.50000    2161.672     .000000     .000000     .000000     .000000     .000000
1.00000    2153.513     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000   -2169.830     .000000     .000000     .000000     .000000     .000000
0.50000   -2161.672     .000000     .000000     .000000     .000000     .000000
1.00000   -2153.513     .000000     .000000     .000000     .000000     .000000

ELEM     102 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2139.527     .000000     .000000     .000000     .000000     .000000
0.50000    2136.808     .000000     .000000     .000000     .000000     .000000
1.00000    2134.088     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2139.527     .000000     .000000     .000000     .000000     .000000
0.50000   -2136.808     .000000     .000000     .000000     .000000     .000000
1.00000   -2134.088     .000000     .000000     .000000     .000000     .000000

ELEM     103 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1992.088     .000000     .000000     .000000     .000000     .000000
0.50000    1983.930     .000000     .000000     .000000     .000000     .000000
1.00000    1975.771     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1992.088     .000000     .000000     .000000     .000000     .000000
0.50000   -1983.930     .000000     .000000     .000000     .000000     .000000
1.00000   -1975.771     .000000     .000000     .000000     .000000     .000000

ELEM     104 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1961.785     .000000     .000000     .000000     .000000     .000000
0.50000    1959.066     .000000     .000000     .000000     .000000     .000000
1.00000    1956.346     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1961.785     .000000     .000000     .000000     .000000     .000000
0.50000   -1959.066     .000000     .000000     .000000     .000000     .000000
1.00000   -1956.346     .000000     .000000     .000000     .000000     .000000

ELEM     105 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1928.346     .000000     .000000     .000000     .000000     .000000
0.50000    1925.627     .000000     .000000     .000000     .000000     .000000
1.00000    1922.907     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1928.346	.000000	.000000	.000000	.000000	.000000
0.50000	-1925.627	.000000	.000000	.000000	.000000	.000000
1.00000	-1922.907	.000000	.000000	.000000	.000000	.000000

ELEM 106 ========== LENGTH = 9.437500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1908.921	.000000	.000000	.000000	.000000	.000000
0.50000	1907.852	.000000	.000000	.000000	.000000	.000000
1.00000	1906.783	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1908.921	.000000	.000000	.000000	.000000	.000000
0.50000	-1907.852	.000000	.000000	.000000	.000000	.000000
1.00000	-1906.783	.000000	.000000	.000000	.000000	.000000

ELEM 107 ========== LENGTH = 89.562500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1906.783	.000000	.000000	.000000	.000000	.000000
0.50000	1896.634	.000000	.000000	.000000	.000000	.000000
1.00000	1886.486	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1906.783	.000000	.000000	.000000	.000000	.000000
0.50000	-1896.634	.000000	.000000	.000000	.000000	.000000
1.00000	-1886.486	.000000	.000000	.000000	.000000	.000000

ELEM 108 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 109 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000

0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 110 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 112 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 113 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500

```
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     114 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     116 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     117 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.242750    8.77E-16     .000000     .000000     .000000
0.25000     .000000    3.621375    4.39E-16     .000000    1.18E-14   97.777125
0.50000     .000000    4.39E-15    2.16E-31     .000000    1.58E-14  130.369500
0.75000     .000000    3.621375    4.39E-16     .000000    1.18E-14   97.777125
1.00000     .000000    7.242750    8.77E-16     .000000    1.55E-29    3.14E-13

COMBDEADLOAD ------------------ MIN
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.242750	-8.77E-16	.000000	.000000	.000000
0.25000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
0.50000	.000000	-4.39E-15	-2.16E-31	.000000	-1.58E-14	-130.369500
0.75000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
1.00000	.000000	-7.242750	-8.77E-16	.000000	-1.55E-29	-3.14E-13

ELEM 118 ========== LENGTH = 60.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1646.600	.000000	.000000	.000000	.000000	.000000
0.50000	1639.745	.000000	.000000	.000000	.000000	.000000
1.00000	1632.889	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1646.600	.000000	.000000	.000000	.000000	.000000
0.50000	-1639.745	.000000	.000000	.000000	.000000	.000000
1.00000	-1632.889	.000000	.000000	.000000	.000000	.000000

ELEM 119 ========== LENGTH = 62.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1618.903	.000000	.000000	.000000	.000000	.000000
0.50000	1611.878	.000000	.000000	.000000	.000000	.000000
1.00000	1604.853	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1618.903	.000000	.000000	.000000	.000000	.000000
0.50000	-1611.878	.000000	.000000	.000000	.000000	.000000
1.00000	-1604.853	.000000	.000000	.000000	.000000	.000000

ELEM 120 ========== LENGTH = 39.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1590.867	.000000	.000000	.000000	.000000	.000000
0.50000	1586.363	.000000	.000000	.000000	.000000	.000000
1.00000	1581.858	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1590.867	.000000	.000000	.000000	.000000	.000000
0.50000	-1586.363	.000000	.000000	.000000	.000000	.000000
1.00000	-1581.858	.000000	.000000	.000000	.000000	.000000

ELEM 121 ========== LENGTH = 56.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1389.858	.000000	.000000	.000000	.000000	.000000
0.50000	1383.428	.000000	.000000	.000000	.000000	.000000

```
1.00000    1376.997     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1389.858     .000000     .000000     .000000     .000000     .000000
0.50000   -1383.428     .000000     .000000     .000000     .000000     .000000
1.00000   -1376.997     .000000     .000000     .000000     .000000     .000000

ELEM     122 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1363.011     .000000     .000000     .000000     .000000     .000000
0.50000    1360.292     .000000     .000000     .000000     .000000     .000000
1.00000    1357.572     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1363.011     .000000     .000000     .000000     .000000     .000000
0.50000   -1360.292     .000000     .000000     .000000     .000000     .000000
1.00000   -1357.572     .000000     .000000     .000000     .000000     .000000

ELEM     123 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1036.572     .000000     .000000     .000000     .000000     .000000
0.50000    1028.414     .000000     .000000     .000000     .000000     .000000
1.00000    1020.255     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1036.572     .000000     .000000     .000000     .000000     .000000
0.50000   -1028.414     .000000     .000000     .000000     .000000     .000000
1.00000   -1020.255     .000000     .000000     .000000     .000000     .000000

ELEM     124 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1006.269     .000000     .000000     .000000     .000000     .000000
0.50000    1003.550     .000000     .000000     .000000     .000000     .000000
1.00000    1000.830     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1006.269     .000000     .000000     .000000     .000000     .000000
0.50000   -1003.550     .000000     .000000     .000000     .000000     .000000
1.00000   -1000.830     .000000     .000000     .000000     .000000     .000000

ELEM     125 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  734.830375     .000000     .000000     .000000     .000000     .000000
```

```
0.50000  726.671875     .000000     .000000     .000000     .000000     .000000
1.00000  718.513375     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -734.830375     .000000     .000000     .000000     .000000     .000000
0.50000 -726.671875     .000000     .000000     .000000     .000000     .000000
1.00000 -718.513375     .000000     .000000     .000000     .000000     .000000

ELEM     126 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  704.527375     .000000     .000000     .000000     .000000     .000000
0.50000  701.807875     .000000     .000000     .000000     .000000     .000000
1.00000  699.088375     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -704.527375     .000000     .000000     .000000     .000000     .000000
0.50000 -701.807875     .000000     .000000     .000000     .000000     .000000
1.00000 -699.088375     .000000     .000000     .000000     .000000     .000000

ELEM     127 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  557.088375     .000000     .000000     .000000     .000000     .000000
0.50000  548.929875     .000000     .000000     .000000     .000000     .000000
1.00000  540.771375     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -557.088375     .000000     .000000     .000000     .000000     .000000
0.50000 -548.929875     .000000     .000000     .000000     .000000     .000000
1.00000 -540.771375     .000000     .000000     .000000     .000000     .000000

ELEM     128 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  526.785375     .000000     .000000     .000000     .000000     .000000
0.50000  524.065875     .000000     .000000     .000000     .000000     .000000
1.00000  521.346375     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -526.785375     .000000     .000000     .000000     .000000     .000000
0.50000 -524.065875     .000000     .000000     .000000     .000000     .000000
1.00000 -521.346375     .000000     .000000     .000000     .000000     .000000

ELEM     129 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000  493.346375     .000000     .000000     .000000     .000000     .000000
0.50000  490.626875     .000000     .000000     .000000     .000000     .000000
1.00000  487.907375     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -493.346375     .000000     .000000     .000000     .000000     .000000
0.50000 -490.626875     .000000     .000000     .000000     .000000     .000000
1.00000 -487.907375     .000000     .000000     .000000     .000000     .000000

ELEM     130 ================== LENGTH =    9.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  473.921375     .000000     .000000     .000000     .000000     .000000
0.50000  472.851988     .000000     .000000     .000000     .000000     .000000
1.00000  471.782602     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -473.921375     .000000     .000000     .000000     .000000     .000000
0.50000 -472.851988     .000000     .000000     .000000     .000000     .000000
1.00000 -471.782602     .000000     .000000     .000000     .000000     .000000

ELEM     131 ================== LENGTH =   89.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  471.782602     .000000     .000000     .000000     .000000     .000000
0.50000  461.634051     .000000     .000000     .000000     .000000     .000000
1.00000  451.485500     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -471.782602     .000000     .000000     .000000     .000000     .000000
0.50000 -461.634051     .000000     .000000     .000000     .000000     .000000
1.00000 -451.485500     .000000     .000000     .000000     .000000     .000000

ELEM     132 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13
```

ELEM 133 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 135 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 136 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 137 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 138 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 139 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 141 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.242750	8.77E-16	.000000	.000000	.000000

```
0.25000     .000000    3.621375    4.39E-16     .000000    1.18E-14   97.777125
0.50000     .000000    4.39E-15    2.16E-31     .000000    1.58E-14  130.369500
0.75000     .000000    3.621375    4.39E-16     .000000    1.18E-14   97.777125
1.00000     .000000    7.242750    8.77E-16     .000000    1.55E-29    3.14E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.242750   -8.77E-16     .000000     .000000     .000000
0.25000     .000000   -3.621375   -4.39E-16     .000000   -1.18E-14  -97.777125
0.50000     .000000   -4.39E-15   -2.16E-31     .000000   -1.58E-14 -130.369500
0.75000     .000000   -3.621375   -4.39E-16     .000000   -1.18E-14  -97.777125
1.00000     .000000   -7.242750   -8.77E-16     .000000   -1.55E-29   -3.14E-13

ELEM     142 ================== LENGTH =   60.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3162.600     .000000     .000000     .000000     .000000     .000000
0.50000    3155.745     .000000     .000000     .000000     .000000     .000000
1.00000    3148.889     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3162.600     .000000     .000000     .000000     .000000     .000000
0.50000   -3155.745     .000000     .000000     .000000     .000000     .000000
1.00000   -3148.889     .000000     .000000     .000000     .000000     .000000

ELEM     143 ================== LENGTH =   62.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3134.903     .000000     .000000     .000000     .000000     .000000
0.50000    3127.878     .000000     .000000     .000000     .000000     .000000
1.00000    3120.853     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3134.903     .000000     .000000     .000000     .000000     .000000
0.50000   -3127.878     .000000     .000000     .000000     .000000     .000000
1.00000   -3120.853     .000000     .000000     .000000     .000000     .000000

ELEM     144 ================== LENGTH =   39.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3106.867     .000000     .000000     .000000     .000000     .000000
0.50000    3102.363     .000000     .000000     .000000     .000000     .000000
1.00000    3097.858     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3106.867     .000000     .000000     .000000     .000000     .000000
0.50000   -3102.363     .000000     .000000     .000000     .000000     .000000
1.00000   -3097.858     .000000     .000000     .000000     .000000     .000000

ELEM     145 ================== LENGTH =   56.750000
```

```
COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2905.858     .000000     .000000     .000000     .000000     .000000
0.50000    2899.428     .000000     .000000     .000000     .000000     .000000
1.00000    2892.997     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2905.858     .000000     .000000     .000000     .000000     .000000
0.50000   -2899.428     .000000     .000000     .000000     .000000     .000000
1.00000   -2892.997     .000000     .000000     .000000     .000000     .000000

ELEM     146 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2879.011     .000000     .000000     .000000     .000000     .000000
0.50000    2876.292     .000000     .000000     .000000     .000000     .000000
1.00000    2873.572     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2879.011     .000000     .000000     .000000     .000000     .000000
0.50000   -2876.292     .000000     .000000     .000000     .000000     .000000
1.00000   -2873.572     .000000     .000000     .000000     .000000     .000000

ELEM     147 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2552.572     .000000     .000000     .000000     .000000     .000000
0.50000    2544.414     .000000     .000000     .000000     .000000     .000000
1.00000    2536.255     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2552.572     .000000     .000000     .000000     .000000     .000000
0.50000   -2544.414     .000000     .000000     .000000     .000000     .000000
1.00000   -2536.255     .000000     .000000     .000000     .000000     .000000

ELEM     148 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2522.269     .000000     .000000     .000000     .000000     .000000
0.50000    2519.550     .000000     .000000     .000000     .000000     .000000
1.00000    2516.830     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2522.269     .000000     .000000     .000000     .000000     .000000
0.50000   -2519.550     .000000     .000000     .000000     .000000     .000000
1.00000   -2516.830     .000000     .000000     .000000     .000000     .000000
```

ELEM 149 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2250.830	.000000	.000000	.000000	.000000	.000000
0.50000	2242.672	.000000	.000000	.000000	.000000	.000000
1.00000	2234.513	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2250.830	.000000	.000000	.000000	.000000	.000000
0.50000	-2242.672	.000000	.000000	.000000	.000000	.000000
1.00000	-2234.513	.000000	.000000	.000000	.000000	.000000

ELEM 150 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2220.527	.000000	.000000	.000000	.000000	.000000
0.50000	2217.808	.000000	.000000	.000000	.000000	.000000
1.00000	2215.088	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2220.527	.000000	.000000	.000000	.000000	.000000
0.50000	-2217.808	.000000	.000000	.000000	.000000	.000000
1.00000	-2215.088	.000000	.000000	.000000	.000000	.000000

ELEM 151 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2073.088	.000000	.000000	.000000	.000000	.000000
0.50000	2064.930	.000000	.000000	.000000	.000000	.000000
1.00000	2056.771	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2073.088	.000000	.000000	.000000	.000000	.000000
0.50000	-2064.930	.000000	.000000	.000000	.000000	.000000
1.00000	-2056.771	.000000	.000000	.000000	.000000	.000000

ELEM 152 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2042.785	.000000	.000000	.000000	.000000	.000000
0.50000	2040.066	.000000	.000000	.000000	.000000	.000000
1.00000	2037.346	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2042.785	.000000	.000000	.000000	.000000	.000000
0.50000	-2040.066	.000000	.000000	.000000	.000000	.000000
1.00000	-2037.346	.000000	.000000	.000000	.000000	.000000

ELEM 153 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2009.346	.000000	.000000	.000000	.000000	.000000
0.50000	2006.627	.000000	.000000	.000000	.000000	.000000
1.00000	2003.907	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2009.346	.000000	.000000	.000000	.000000	.000000
0.50000	-2006.627	.000000	.000000	.000000	.000000	.000000
1.00000	-2003.907	.000000	.000000	.000000	.000000	.000000

ELEM 154 ========== LENGTH = 9.437500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1989.921	.000000	.000000	.000000	.000000	.000000
0.50000	1988.852	.000000	.000000	.000000	.000000	.000000
1.00000	1987.783	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1989.921	.000000	.000000	.000000	.000000	.000000
0.50000	-1988.852	.000000	.000000	.000000	.000000	.000000
1.00000	-1987.783	.000000	.000000	.000000	.000000	.000000

ELEM 155 ========== LENGTH = 68.562500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1987.783	.000000	.000000	.000000	.000000	.000000
0.50000	1980.014	.000000	.000000	.000000	.000000	.000000
1.00000	1972.245	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1987.783	.000000	.000000	.000000	.000000	.000000
0.50000	-1980.014	.000000	.000000	.000000	.000000	.000000
1.00000	-1972.245	.000000	.000000	.000000	.000000	.000000

ELEM 156 ========== LENGTH = 21.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1972.245	.000000	.000000	.000000	.000000	.000000
0.50000	1969.865	.000000	.000000	.000000	.000000	.000000
1.00000	1967.486	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1972.245	.000000	.000000	.000000	.000000	.000000
0.50000	-1969.865	.000000	.000000	.000000	.000000	.000000

```
1.00000   -1967.486     .000000     .000000     .000000     .000000     .000000

ELEM     158 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     160 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     161 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     162 ================== LENGTH =   72.000000
```

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 163 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 164 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 165 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 167 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.242750	8.77E-16	.000000	.000000	.000000
0.25000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
0.50000	.000000	4.39E-15	2.16E-31	.000000	1.58E-14	130.369500
0.75000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
1.00000	.000000	7.242750	8.77E-16	.000000	1.55E-29	3.14E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.242750	-8.77E-16	.000000	.000000	.000000
0.25000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
0.50000	.000000	-4.39E-15	-2.16E-31	.000000	-1.58E-14	-130.369500
0.75000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
1.00000	.000000	-7.242750	-8.77E-16	.000000	-1.55E-29	-3.14E-13

ELEM 168 ========== LENGTH = 60.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	6028.600	.000000	.000000	.000000	.000000	.000000
0.50000	6021.745	.000000	.000000	.000000	.000000	.000000
1.00000	6014.889	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-6028.600	.000000	.000000	.000000	.000000	.000000
0.50000	-6021.745	.000000	.000000	.000000	.000000	.000000
1.00000	-6014.889	.000000	.000000	.000000	.000000	.000000

ELEM 169 ========== LENGTH = 62.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	6000.903	.000000	.000000	.000000	.000000	.000000
0.50000	5993.878	.000000	.000000	.000000	.000000	.000000
1.00000	5986.853	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-6000.903	.000000	.000000	.000000	.000000	.000000
0.50000	-5993.878	.000000	.000000	.000000	.000000	.000000
1.00000	-5986.853	.000000	.000000	.000000	.000000	.000000

ELEM 170 ========== LENGTH = 39.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	5687.867	.000000	.000000	.000000	.000000	.000000
0.50000	5683.363	.000000	.000000	.000000	.000000	.000000
1.00000	5678.858	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-5687.867	.000000	.000000	.000000	.000000	.000000
0.50000	-5683.363	.000000	.000000	.000000	.000000	.000000
1.00000	-5678.858	.000000	.000000	.000000	.000000	.000000

ELEM 171 ========== LENGTH = 56.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	5486.858	.000000	.000000	.000000	.000000	.000000
0.50000	5480.428	.000000	.000000	.000000	.000000	.000000
1.00000	5473.997	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-5486.858	.000000	.000000	.000000	.000000	.000000
0.50000	-5480.428	.000000	.000000	.000000	.000000	.000000
1.00000	-5473.997	.000000	.000000	.000000	.000000	.000000

ELEM 172 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	4956.011	.000000	.000000	.000000	.000000	.000000
0.50000	4953.292	.000000	.000000	.000000	.000000	.000000
1.00000	4950.572	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-4956.011	.000000	.000000	.000000	.000000	.000000
0.50000	-4953.292	.000000	.000000	.000000	.000000	.000000
1.00000	-4950.572	.000000	.000000	.000000	.000000	.000000

ELEM 173 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	4629.572	.000000	.000000	.000000	.000000	.000000
0.50000	4621.414	.000000	.000000	.000000	.000000	.000000
1.00000	4613.255	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-4629.572	.000000	.000000	.000000	.000000	.000000
0.50000	-4621.414	.000000	.000000	.000000	.000000	.000000
1.00000	-4613.255	.000000	.000000	.000000	.000000	.000000

ELEM 174 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	4033.269	.000000	.000000	.000000	.000000	.000000
0.50000	4030.550	.000000	.000000	.000000	.000000	.000000
1.00000	4027.830	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-4033.269	.000000	.000000	.000000	.000000	.000000
0.50000	-4030.550	.000000	.000000	.000000	.000000	.000000
1.00000	-4027.830	.000000	.000000	.000000	.000000	.000000

ELEM 175 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	3761.830	.000000	.000000	.000000	.000000	.000000
0.50000	3753.672	.000000	.000000	.000000	.000000	.000000
1.00000	3745.513	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-3761.830	.000000	.000000	.000000	.000000	.000000
0.50000	-3753.672	.000000	.000000	.000000	.000000	.000000
1.00000	-3745.513	.000000	.000000	.000000	.000000	.000000

ELEM 176 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	3165.527	.000000	.000000	.000000	.000000	.000000
0.50000	3162.808	.000000	.000000	.000000	.000000	.000000
1.00000	3160.088	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-3165.527	.000000	.000000	.000000	.000000	.000000
0.50000	-3162.808	.000000	.000000	.000000	.000000	.000000
1.00000	-3160.088	.000000	.000000	.000000	.000000	.000000

ELEM 177 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	3018.088	.000000	.000000	.000000	.000000	.000000
0.50000	3009.930	.000000	.000000	.000000	.000000	.000000
1.00000	3001.771	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-3018.088	.000000	.000000	.000000	.000000	.000000
0.50000	-3009.930	.000000	.000000	.000000	.000000	.000000
1.00000	-3001.771	.000000	.000000	.000000	.000000	.000000

ELEM 178 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2562.785	.000000	.000000	.000000	.000000	.000000
0.50000	2560.066	.000000	.000000	.000000	.000000	.000000
1.00000	2557.346	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2562.785	.000000	.000000	.000000	.000000	.000000
0.50000	-2560.066	.000000	.000000	.000000	.000000	.000000
1.00000	-2557.346	.000000	.000000	.000000	.000000	.000000

ELEM 179 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2529.346	.000000	.000000	.000000	.000000	.000000
0.50000	2526.627	.000000	.000000	.000000	.000000	.000000
1.00000	2523.907	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2529.346	.000000	.000000	.000000	.000000	.000000
0.50000	-2526.627	.000000	.000000	.000000	.000000	.000000
1.00000	-2523.907	.000000	.000000	.000000	.000000	.000000

ELEM 180 ========== LENGTH = 9.437500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2075.921	.000000	.000000	.000000	.000000	.000000
0.50000	2074.852	.000000	.000000	.000000	.000000	.000000
1.00000	2073.783	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2075.921	.000000	.000000	.000000	.000000	.000000
0.50000	-2074.852	.000000	.000000	.000000	.000000	.000000
1.00000	-2073.783	.000000	.000000	.000000	.000000	.000000

ELEM 181 ========== LENGTH = 89.562500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2073.783	.000000	.000000	.000000	.000000	.000000
0.50000	2063.634	.000000	.000000	.000000	.000000	.000000
1.00000	2053.485	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2073.783	.000000	.000000	.000000	.000000	.000000
0.50000	-2063.634	.000000	.000000	.000000	.000000	.000000
1.00000	-2053.485	.000000	.000000	.000000	.000000	.000000

ELEM 183 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 185 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 186 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000

0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 187 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 188 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 189 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500

```
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     191 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     192 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.242750    8.77E-16     .000000     .000000     .000000
0.25000     .000000    3.621375    4.39E-16     .000000    1.18E-14   97.777125
0.50000     .000000    4.39E-15    2.16E-31     .000000    1.58E-14  130.369500
0.75000     .000000    3.621375    4.39E-16     .000000    1.18E-14   97.777125
1.00000     .000000    7.242750    8.77E-16     .000000    1.55E-29    3.14E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.242750   -8.77E-16     .000000     .000000     .000000
0.25000     .000000   -3.621375   -4.39E-16     .000000   -1.18E-14  -97.777125
0.50000     .000000   -4.39E-15   -2.16E-31     .000000   -1.58E-14 -130.369500
0.75000     .000000   -3.621375   -4.39E-16     .000000   -1.18E-14  -97.777125
1.00000     .000000   -7.242750   -8.77E-16     .000000   -1.55E-29   -3.14E-13

ELEM     193 ================== LENGTH =   60.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3162.600     .000000     .000000     .000000     .000000     .000000
0.50000    3155.745     .000000     .000000     .000000     .000000     .000000
1.00000    3148.889     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3162.600     .000000     .000000     .000000     .000000     .000000
0.50000   -3155.745     .000000     .000000     .000000     .000000     .000000
1.00000   -3148.889     .000000     .000000     .000000     .000000     .000000

ELEM     194 ================== LENGTH =   62.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000    3134.903     .000000     .000000     .000000     .000000     .000000
0.50000    3127.878     .000000     .000000     .000000     .000000     .000000
1.00000    3120.853     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3134.903     .000000     .000000     .000000     .000000     .000000
0.50000   -3127.878     .000000     .000000     .000000     .000000     .000000
1.00000   -3120.853     .000000     .000000     .000000     .000000     .000000

ELEM     195 ================== LENGTH =   39.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3106.867     .000000     .000000     .000000     .000000     .000000
0.50000    3102.363     .000000     .000000     .000000     .000000     .000000
1.00000    3097.858     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3106.867     .000000     .000000     .000000     .000000     .000000
0.50000   -3102.363     .000000     .000000     .000000     .000000     .000000
1.00000   -3097.858     .000000     .000000     .000000     .000000     .000000

ELEM     196 ================== LENGTH =   56.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2905.858     .000000     .000000     .000000     .000000     .000000
0.50000    2899.428     .000000     .000000     .000000     .000000     .000000
1.00000    2892.997     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2905.858     .000000     .000000     .000000     .000000     .000000
0.50000   -2899.428     .000000     .000000     .000000     .000000     .000000
1.00000   -2892.997     .000000     .000000     .000000     .000000     .000000

ELEM     197 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2879.011     .000000     .000000     .000000     .000000     .000000
0.50000    2876.292     .000000     .000000     .000000     .000000     .000000
1.00000    2873.572     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2879.011     .000000     .000000     .000000     .000000     .000000
0.50000   -2876.292     .000000     .000000     .000000     .000000     .000000
1.00000   -2873.572     .000000     .000000     .000000     .000000     .000000

ELEM     198 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    2552.572     .000000     .000000     .000000     .000000     .000000
0.50000    2544.414     .000000     .000000     .000000     .000000     .000000
1.00000    2536.255     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2552.572     .000000     .000000     .000000     .000000     .000000
0.50000   -2544.414     .000000     .000000     .000000     .000000     .000000
1.00000   -2536.255     .000000     .000000     .000000     .000000     .000000

ELEM     199 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2522.269     .000000     .000000     .000000     .000000     .000000
0.50000    2519.550     .000000     .000000     .000000     .000000     .000000
1.00000    2516.830     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2522.269     .000000     .000000     .000000     .000000     .000000
0.50000   -2519.550     .000000     .000000     .000000     .000000     .000000
1.00000   -2516.830     .000000     .000000     .000000     .000000     .000000

ELEM     200 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2250.830     .000000     .000000     .000000     .000000     .000000
0.50000    2242.672     .000000     .000000     .000000     .000000     .000000
1.00000    2234.513     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2250.830     .000000     .000000     .000000     .000000     .000000
0.50000   -2242.672     .000000     .000000     .000000     .000000     .000000
1.00000   -2234.513     .000000     .000000     .000000     .000000     .000000

ELEM     201 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2220.527     .000000     .000000     .000000     .000000     .000000
0.50000    2217.808     .000000     .000000     .000000     .000000     .000000
1.00000    2215.088     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2220.527     .000000     .000000     .000000     .000000     .000000
0.50000   -2217.808     .000000     .000000     .000000     .000000     .000000
1.00000   -2215.088     .000000     .000000     .000000     .000000     .000000

ELEM     202 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	2073.088	.000000	.000000	.000000	.000000	.000000
0.50000	2064.930	.000000	.000000	.000000	.000000	.000000
1.00000	2056.771	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2073.088	.000000	.000000	.000000	.000000	.000000
0.50000	-2064.930	.000000	.000000	.000000	.000000	.000000
1.00000	-2056.771	.000000	.000000	.000000	.000000	.000000

ELEM 203 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2042.785	.000000	.000000	.000000	.000000	.000000
0.50000	2040.066	.000000	.000000	.000000	.000000	.000000
1.00000	2037.346	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2042.785	.000000	.000000	.000000	.000000	.000000
0.50000	-2040.066	.000000	.000000	.000000	.000000	.000000
1.00000	-2037.346	.000000	.000000	.000000	.000000	.000000

ELEM 204 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2009.346	.000000	.000000	.000000	.000000	.000000
0.50000	2006.627	.000000	.000000	.000000	.000000	.000000
1.00000	2003.907	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2009.346	.000000	.000000	.000000	.000000	.000000
0.50000	-2006.627	.000000	.000000	.000000	.000000	.000000
1.00000	-2003.907	.000000	.000000	.000000	.000000	.000000

ELEM 205 ========== LENGTH = 9.437500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1989.921	.000000	.000000	.000000	.000000	.000000
0.50000	1988.852	.000000	.000000	.000000	.000000	.000000
1.00000	1987.783	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1989.921	.000000	.000000	.000000	.000000	.000000
0.50000	-1988.852	.000000	.000000	.000000	.000000	.000000
1.00000	-1987.783	.000000	.000000	.000000	.000000	.000000

ELEM 206 ========== LENGTH = 89.562500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1987.783	.000000	.000000	.000000	.000000	.000000
0.50000	1977.634	.000000	.000000	.000000	.000000	.000000
1.00000	1967.485	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1987.783	.000000	.000000	.000000	.000000	.000000
0.50000	-1977.634	.000000	.000000	.000000	.000000	.000000
1.00000	-1967.485	.000000	.000000	.000000	.000000	.000000

ELEM 207 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 208 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 210 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500

```
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     211 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     212 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     214 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 215 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 216 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.242750	8.77E-16	.000000	.000000	.000000
0.25000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
0.50000	.000000	4.39E-15	2.16E-31	.000000	1.58E-14	130.369500
0.75000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
1.00000	.000000	7.242750	8.77E-16	.000000	1.55E-29	3.14E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.242750	-8.77E-16	.000000	.000000	.000000
0.25000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
0.50000	.000000	-4.39E-15	-2.16E-31	.000000	-1.58E-14	-130.369500
0.75000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
1.00000	.000000	-7.242750	-8.77E-16	.000000	-1.55E-29	-3.14E-13

ELEM 217 ========== LENGTH = 60.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1646.600	.000000	.000000	.000000	.000000	.000000
0.50000	1639.745	.000000	.000000	.000000	.000000	.000000
1.00000	1632.889	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1646.600	.000000	.000000	.000000	.000000	.000000
0.50000	-1639.745	.000000	.000000	.000000	.000000	.000000
1.00000	-1632.889	.000000	.000000	.000000	.000000	.000000

```
ELEM     218 ================== LENGTH =   62.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1618.903     .000000     .000000     .000000     .000000     .000000
0.50000    1611.878     .000000     .000000     .000000     .000000     .000000
1.00000    1604.853     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1618.903     .000000     .000000     .000000     .000000     .000000
0.50000   -1611.878     .000000     .000000     .000000     .000000     .000000
1.00000   -1604.853     .000000     .000000     .000000     .000000     .000000

ELEM     219 ================== LENGTH =   39.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1590.867     .000000     .000000     .000000     .000000     .000000
0.50000    1586.363     .000000     .000000     .000000     .000000     .000000
1.00000    1581.858     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1590.867     .000000     .000000     .000000     .000000     .000000
0.50000   -1586.363     .000000     .000000     .000000     .000000     .000000
1.00000   -1581.858     .000000     .000000     .000000     .000000     .000000

ELEM     220 ================== LENGTH =   56.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1389.858     .000000     .000000     .000000     .000000     .000000
0.50000    1383.428     .000000     .000000     .000000     .000000     .000000
1.00000    1376.997     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1389.858     .000000     .000000     .000000     .000000     .000000
0.50000   -1383.428     .000000     .000000     .000000     .000000     .000000
1.00000   -1376.997     .000000     .000000     .000000     .000000     .000000

ELEM     221 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1363.011     .000000     .000000     .000000     .000000     .000000
0.50000    1360.292     .000000     .000000     .000000     .000000     .000000
1.00000    1357.572     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1363.011     .000000     .000000     .000000     .000000     .000000
0.50000   -1360.292     .000000     .000000     .000000     .000000     .000000
```

```
1.00000   -1357.572     .000000     .000000     .000000     .000000     .000000

ELEM     222 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1036.572     .000000     .000000     .000000     .000000     .000000
0.50000    1028.414     .000000     .000000     .000000     .000000     .000000
1.00000    1020.255     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1036.572     .000000     .000000     .000000     .000000     .000000
0.50000   -1028.414     .000000     .000000     .000000     .000000     .000000
1.00000   -1020.255     .000000     .000000     .000000     .000000     .000000

ELEM     223 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1006.269     .000000     .000000     .000000     .000000     .000000
0.50000    1003.550     .000000     .000000     .000000     .000000     .000000
1.00000    1000.830     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1006.269     .000000     .000000     .000000     .000000     .000000
0.50000   -1003.550     .000000     .000000     .000000     .000000     .000000
1.00000   -1000.830     .000000     .000000     .000000     .000000     .000000

ELEM     224 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  734.830375     .000000     .000000     .000000     .000000     .000000
0.50000  726.671875     .000000     .000000     .000000     .000000     .000000
1.00000  718.513375     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -734.830375     .000000     .000000     .000000     .000000     .000000
0.50000 -726.671875     .000000     .000000     .000000     .000000     .000000
1.00000 -718.513375     .000000     .000000     .000000     .000000     .000000

ELEM     225 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  704.527375     .000000     .000000     .000000     .000000     .000000
0.50000  701.807875     .000000     .000000     .000000     .000000     .000000
1.00000  699.088375     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -704.527375     .000000     .000000     .000000     .000000     .000000
```

```
0.50000 -701.807875     .000000     .000000     .000000     .000000     .000000
1.00000 -699.088375     .000000     .000000     .000000     .000000     .000000

ELEM     226 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  557.088375     .000000     .000000     .000000     .000000     .000000
0.50000  548.929875     .000000     .000000     .000000     .000000     .000000
1.00000  540.771375     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -557.088375     .000000     .000000     .000000     .000000     .000000
0.50000 -548.929875     .000000     .000000     .000000     .000000     .000000
1.00000 -540.771375     .000000     .000000     .000000     .000000     .000000

ELEM     227 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  526.785375     .000000     .000000     .000000     .000000     .000000
0.50000  524.065875     .000000     .000000     .000000     .000000     .000000
1.00000  521.346375     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -526.785375     .000000     .000000     .000000     .000000     .000000
0.50000 -524.065875     .000000     .000000     .000000     .000000     .000000
1.00000 -521.346375     .000000     .000000     .000000     .000000     .000000

ELEM     228 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  493.346375     .000000     .000000     .000000     .000000     .000000
0.50000  490.626875     .000000     .000000     .000000     .000000     .000000
1.00000  487.907375     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -493.346375     .000000     .000000     .000000     .000000     .000000
0.50000 -490.626875     .000000     .000000     .000000     .000000     .000000
1.00000 -487.907375     .000000     .000000     .000000     .000000     .000000

ELEM     229 ================== LENGTH =    9.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  473.921375     .000000     .000000     .000000     .000000     .000000
0.50000  472.851988     .000000     .000000     .000000     .000000     .000000
1.00000  471.782602     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000 -473.921375     .000000     .000000     .000000     .000000     .000000
0.50000 -472.851988     .000000     .000000     .000000     .000000     .000000
1.00000 -471.782602     .000000     .000000     .000000     .000000     .000000

ELEM     230 ================== LENGTH =   89.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  471.782602     .000000     .000000     .000000     .000000     .000000
0.50000  461.634051     .000000     .000000     .000000     .000000     .000000
1.00000  451.485500     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -471.782602     .000000     .000000     .000000     .000000     .000000
0.50000 -461.634051     .000000     .000000     .000000     .000000     .000000
1.00000 -451.485500     .000000     .000000     .000000     .000000     .000000

ELEM     231 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     232 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     233 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 235 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 237 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 238 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000

0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 239 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 240 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.242750	8.77E-16	.000000	.000000	.000000
0.25000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
0.50000	.000000	4.39E-15	2.16E-31	.000000	1.58E-14	130.369500
0.75000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
1.00000	.000000	7.242750	8.77E-16	.000000	1.55E-29	3.14E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.242750	-8.77E-16	.000000	.000000	.000000
0.25000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
0.50000	.000000	-4.39E-15	-2.16E-31	.000000	-1.58E-14	-130.369500
0.75000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
1.00000	.000000	-7.242750	-8.77E-16	.000000	-1.55E-29	-3.14E-13

ELEM 241 ========== LENGTH = 60.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	3081.600	.000000	.000000	.000000	.000000	.000000
0.50000	3074.745	.000000	.000000	.000000	.000000	.000000
1.00000	3067.889	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-3081.600	.000000	.000000	.000000	.000000	.000000
0.50000	-3074.745	.000000	.000000	.000000	.000000	.000000
1.00000	-3067.889	.000000	.000000	.000000	.000000	.000000

ELEM 242 ========== LENGTH = 62.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	3053.903	.000000	.000000	.000000	.000000	.000000
0.50000	3046.878	.000000	.000000	.000000	.000000	.000000
1.00000	3039.853	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-3053.903	.000000	.000000	.000000	.000000	.000000
0.50000	-3046.878	.000000	.000000	.000000	.000000	.000000
1.00000	-3039.853	.000000	.000000	.000000	.000000	.000000

ELEM 243 ========== LENGTH = 39.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	3025.867	.000000	.000000	.000000	.000000	.000000
0.50000	3021.363	.000000	.000000	.000000	.000000	.000000
1.00000	3016.858	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-3025.867	.000000	.000000	.000000	.000000	.000000
0.50000	-3021.363	.000000	.000000	.000000	.000000	.000000
1.00000	-3016.858	.000000	.000000	.000000	.000000	.000000

ELEM 244 ========== LENGTH = 56.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2824.858	.000000	.000000	.000000	.000000	.000000
0.50000	2818.428	.000000	.000000	.000000	.000000	.000000
1.00000	2811.997	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2824.858	.000000	.000000	.000000	.000000	.000000
0.50000	-2818.428	.000000	.000000	.000000	.000000	.000000
1.00000	-2811.997	.000000	.000000	.000000	.000000	.000000

ELEM 245 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2798.011	.000000	.000000	.000000	.000000	.000000
0.50000	2795.292	.000000	.000000	.000000	.000000	.000000
1.00000	2792.572	.000000	.000000	.000000	.000000	.000000

```
COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2798.011     .000000     .000000     .000000     .000000     .000000
0.50000   -2795.292     .000000     .000000     .000000     .000000     .000000
1.00000   -2792.572     .000000     .000000     .000000     .000000     .000000

ELEM     246 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2471.572     .000000     .000000     .000000     .000000     .000000
0.50000    2463.414     .000000     .000000     .000000     .000000     .000000
1.00000    2455.255     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2471.572     .000000     .000000     .000000     .000000     .000000
0.50000   -2463.414     .000000     .000000     .000000     .000000     .000000
1.00000   -2455.255     .000000     .000000     .000000     .000000     .000000

ELEM     247 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2441.269     .000000     .000000     .000000     .000000     .000000
0.50000    2438.550     .000000     .000000     .000000     .000000     .000000
1.00000    2435.830     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2441.269     .000000     .000000     .000000     .000000     .000000
0.50000   -2438.550     .000000     .000000     .000000     .000000     .000000
1.00000   -2435.830     .000000     .000000     .000000     .000000     .000000

ELEM     248 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2169.830     .000000     .000000     .000000     .000000     .000000
0.50000    2161.672     .000000     .000000     .000000     .000000     .000000
1.00000    2153.513     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2169.830     .000000     .000000     .000000     .000000     .000000
0.50000   -2161.672     .000000     .000000     .000000     .000000     .000000
1.00000   -2153.513     .000000     .000000     .000000     .000000     .000000

ELEM     249 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2139.527     .000000     .000000     .000000     .000000     .000000
0.50000    2136.808     .000000     .000000     .000000     .000000     .000000
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1.00000    2134.088     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2139.527     .000000     .000000     .000000     .000000     .000000
0.50000   -2136.808     .000000     .000000     .000000     .000000     .000000
1.00000   -2134.088     .000000     .000000     .000000     .000000     .000000

ELEM     250 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1992.088     .000000     .000000     .000000     .000000     .000000
0.50000    1983.930     .000000     .000000     .000000     .000000     .000000
1.00000    1975.771     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1992.088     .000000     .000000     .000000     .000000     .000000
0.50000   -1983.930     .000000     .000000     .000000     .000000     .000000
1.00000   -1975.771     .000000     .000000     .000000     .000000     .000000

ELEM     251 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1961.785     .000000     .000000     .000000     .000000     .000000
0.50000    1959.066     .000000     .000000     .000000     .000000     .000000
1.00000    1956.346     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1961.785     .000000     .000000     .000000     .000000     .000000
0.50000   -1959.066     .000000     .000000     .000000     .000000     .000000
1.00000   -1956.346     .000000     .000000     .000000     .000000     .000000

ELEM     252 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1928.346     .000000     .000000     .000000     .000000     .000000
0.50000    1925.627     .000000     .000000     .000000     .000000     .000000
1.00000    1922.907     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1928.346     .000000     .000000     .000000     .000000     .000000
0.50000   -1925.627     .000000     .000000     .000000     .000000     .000000
1.00000   -1922.907     .000000     .000000     .000000     .000000     .000000

ELEM     253 ================== LENGTH =    9.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1908.921     .000000     .000000     .000000     .000000     .000000
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0.50000    1907.852     .000000     .000000     .000000     .000000     .000000
1.00000    1906.783     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1908.921     .000000     .000000     .000000     .000000     .000000
0.50000   -1907.852     .000000     .000000     .000000     .000000     .000000
1.00000   -1906.783     .000000     .000000     .000000     .000000     .000000

ELEM     254 ================== LENGTH =   89.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1906.783     .000000     .000000     .000000     .000000     .000000
0.50000    1896.634     .000000     .000000     .000000     .000000     .000000
1.00000    1886.486     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1906.783     .000000     .000000     .000000     .000000     .000000
0.50000   -1896.634     .000000     .000000     .000000     .000000     .000000
1.00000   -1886.486     .000000     .000000     .000000     .000000     .000000

ELEM     255 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     256 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
```

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0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     257 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     259 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     261 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13
```

ELEM 262 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 263 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 264 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.242750	8.77E-16	.000000	.000000	.000000
0.25000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
0.50000	.000000	4.39E-15	2.16E-31	.000000	1.58E-14	130.369500
0.75000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
1.00000	.000000	7.242750	8.77E-16	.000000	1.55E-29	3.14E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.242750	-8.77E-16	.000000	.000000	.000000
0.25000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
0.50000	.000000	-4.39E-15	-2.16E-31	.000000	-1.58E-14	-130.369500
0.75000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
1.00000	.000000	-7.242750	-8.77E-16	.000000	-1.55E-29	-3.14E-13

ELEM 265 ========== LENGTH = 60.500000

COMBDEADLOAD ---------- MAX

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    3081.600     .000000     .000000     .000000     .000000     .000000
0.50000    3074.745     .000000     .000000     .000000     .000000     .000000
1.00000    3067.889     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3081.600     .000000     .000000     .000000     .000000     .000000
0.50000   -3074.745     .000000     .000000     .000000     .000000     .000000
1.00000   -3067.889     .000000     .000000     .000000     .000000     .000000

ELEM     266 ================== LENGTH =   62.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3053.903     .000000     .000000     .000000     .000000     .000000
0.50000    3046.878     .000000     .000000     .000000     .000000     .000000
1.00000    3039.853     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3053.903     .000000     .000000     .000000     .000000     .000000
0.50000   -3046.878     .000000     .000000     .000000     .000000     .000000
1.00000   -3039.853     .000000     .000000     .000000     .000000     .000000

ELEM     267 ================== LENGTH =   39.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3025.867     .000000     .000000     .000000     .000000     .000000
0.50000    3021.363     .000000     .000000     .000000     .000000     .000000
1.00000    3016.858     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3025.867     .000000     .000000     .000000     .000000     .000000
0.50000   -3021.363     .000000     .000000     .000000     .000000     .000000
1.00000   -3016.858     .000000     .000000     .000000     .000000     .000000

ELEM     268 ================== LENGTH =   56.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2824.858     .000000     .000000     .000000     .000000     .000000
0.50000    2818.428     .000000     .000000     .000000     .000000     .000000
1.00000    2811.997     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2824.858     .000000     .000000     .000000     .000000     .000000
0.50000   -2818.428     .000000     .000000     .000000     .000000     .000000
1.00000   -2811.997     .000000     .000000     .000000     .000000     .000000

ELEM     269 ================== LENGTH =   24.000000
```

```
COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2798.011     .000000     .000000     .000000     .000000     .000000
0.50000    2795.292     .000000     .000000     .000000     .000000     .000000
1.00000    2792.572     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2798.011     .000000     .000000     .000000     .000000     .000000
0.50000   -2795.292     .000000     .000000     .000000     .000000     .000000
1.00000   -2792.572     .000000     .000000     .000000     .000000     .000000

ELEM     270 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2471.572     .000000     .000000     .000000     .000000     .000000
0.50000    2463.414     .000000     .000000     .000000     .000000     .000000
1.00000    2455.255     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2471.572     .000000     .000000     .000000     .000000     .000000
0.50000   -2463.414     .000000     .000000     .000000     .000000     .000000
1.00000   -2455.255     .000000     .000000     .000000     .000000     .000000

ELEM     271 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2441.269     .000000     .000000     .000000     .000000     .000000
0.50000    2438.550     .000000     .000000     .000000     .000000     .000000
1.00000    2435.830     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2441.269     .000000     .000000     .000000     .000000     .000000
0.50000   -2438.550     .000000     .000000     .000000     .000000     .000000
1.00000   -2435.830     .000000     .000000     .000000     .000000     .000000

ELEM     272 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2169.830     .000000     .000000     .000000     .000000     .000000
0.50000    2161.672     .000000     .000000     .000000     .000000     .000000
1.00000    2153.513     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2169.830     .000000     .000000     .000000     .000000     .000000
0.50000   -2161.672     .000000     .000000     .000000     .000000     .000000
1.00000   -2153.513     .000000     .000000     .000000     .000000     .000000

ELEM     273 ================== LENGTH =   24.000000
```

```
COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2139.527     .000000     .000000     .000000     .000000     .000000
0.50000    2136.808     .000000     .000000     .000000     .000000     .000000
1.00000    2134.088     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2139.527     .000000     .000000     .000000     .000000     .000000
0.50000   -2136.808     .000000     .000000     .000000     .000000     .000000
1.00000   -2134.088     .000000     .000000     .000000     .000000     .000000

ELEM     274 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1992.088     .000000     .000000     .000000     .000000     .000000
0.50000    1983.930     .000000     .000000     .000000     .000000     .000000
1.00000    1975.771     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1992.088     .000000     .000000     .000000     .000000     .000000
0.50000   -1983.930     .000000     .000000     .000000     .000000     .000000
1.00000   -1975.771     .000000     .000000     .000000     .000000     .000000

ELEM     275 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1961.785     .000000     .000000     .000000     .000000     .000000
0.50000    1959.066     .000000     .000000     .000000     .000000     .000000
1.00000    1956.346     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1961.785     .000000     .000000     .000000     .000000     .000000
0.50000   -1959.066     .000000     .000000     .000000     .000000     .000000
1.00000   -1956.346     .000000     .000000     .000000     .000000     .000000

ELEM     276 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1928.346     .000000     .000000     .000000     .000000     .000000
0.50000    1925.627     .000000     .000000     .000000     .000000     .000000
1.00000    1922.907     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1928.346     .000000     .000000     .000000     .000000     .000000
0.50000   -1925.627     .000000     .000000     .000000     .000000     .000000
1.00000   -1922.907     .000000     .000000     .000000     .000000     .000000
```

ELEM 277 ========== LENGTH = 9.437500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1908.921	.000000	.000000	.000000	.000000	.000000
0.50000	1907.852	.000000	.000000	.000000	.000000	.000000
1.00000	1906.783	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1908.921	.000000	.000000	.000000	.000000	.000000
0.50000	-1907.852	.000000	.000000	.000000	.000000	.000000
1.00000	-1906.783	.000000	.000000	.000000	.000000	.000000

ELEM 278 ========== LENGTH = 89.562500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1906.783	.000000	.000000	.000000	.000000	.000000
0.50000	1896.634	.000000	.000000	.000000	.000000	.000000
1.00000	1886.486	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1906.783	.000000	.000000	.000000	.000000	.000000
0.50000	-1896.634	.000000	.000000	.000000	.000000	.000000
1.00000	-1886.486	.000000	.000000	.000000	.000000	.000000

ELEM 279 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 280 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 282 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 283 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 284 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3

0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 286 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 287 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 288 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.242750	8.77E-16	.000000	.000000	.000000
0.25000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
0.50000	.000000	4.39E-15	2.16E-31	.000000	1.58E-14	130.369500
0.75000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
1.00000	.000000	7.242750	8.77E-16	.000000	1.55E-29	3.14E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.242750	-8.77E-16	.000000	.000000	.000000
0.25000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
0.50000	.000000	-4.39E-15	-2.16E-31	.000000	-1.58E-14	-130.369500

```
0.75000     .000000   -3.621375   -4.39E-16     .000000   -1.18E-14  -97.777125
1.00000     .000000   -7.242750   -8.77E-16     .000000   -1.55E-29   -3.14E-13

ELEM     289 ================== LENGTH =   60.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1646.600     .000000     .000000     .000000     .000000     .000000
0.50000    1639.745     .000000     .000000     .000000     .000000     .000000
1.00000    1632.889     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1646.600     .000000     .000000     .000000     .000000     .000000
0.50000   -1639.745     .000000     .000000     .000000     .000000     .000000
1.00000   -1632.889     .000000     .000000     .000000     .000000     .000000

ELEM     290 ================== LENGTH =   62.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1618.903     .000000     .000000     .000000     .000000     .000000
0.50000    1611.878     .000000     .000000     .000000     .000000     .000000
1.00000    1604.853     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1618.903     .000000     .000000     .000000     .000000     .000000
0.50000   -1611.878     .000000     .000000     .000000     .000000     .000000
1.00000   -1604.853     .000000     .000000     .000000     .000000     .000000

ELEM     291 ================== LENGTH =   39.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1590.867     .000000     .000000     .000000     .000000     .000000
0.50000    1586.363     .000000     .000000     .000000     .000000     .000000
1.00000    1581.858     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1590.867     .000000     .000000     .000000     .000000     .000000
0.50000   -1586.363     .000000     .000000     .000000     .000000     .000000
1.00000   -1581.858     .000000     .000000     .000000     .000000     .000000

ELEM     292 ================== LENGTH =   56.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1389.858     .000000     .000000     .000000     .000000     .000000
0.50000    1383.428     .000000     .000000     .000000     .000000     .000000
1.00000    1376.997     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000   -1389.858     .000000     .000000     .000000     .000000     .000000
0.50000   -1383.428     .000000     .000000     .000000     .000000     .000000
1.00000   -1376.997     .000000     .000000     .000000     .000000     .000000

ELEM     293 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1363.011     .000000     .000000     .000000     .000000     .000000
0.50000    1360.292     .000000     .000000     .000000     .000000     .000000
1.00000    1357.572     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1363.011     .000000     .000000     .000000     .000000     .000000
0.50000   -1360.292     .000000     .000000     .000000     .000000     .000000
1.00000   -1357.572     .000000     .000000     .000000     .000000     .000000

ELEM     294 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1036.572     .000000     .000000     .000000     .000000     .000000
0.50000    1028.414     .000000     .000000     .000000     .000000     .000000
1.00000    1020.255     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1036.572     .000000     .000000     .000000     .000000     .000000
0.50000   -1028.414     .000000     .000000     .000000     .000000     .000000
1.00000   -1020.255     .000000     .000000     .000000     .000000     .000000

ELEM     295 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1006.269     .000000     .000000     .000000     .000000     .000000
0.50000    1003.550     .000000     .000000     .000000     .000000     .000000
1.00000    1000.830     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1006.269     .000000     .000000     .000000     .000000     .000000
0.50000   -1003.550     .000000     .000000     .000000     .000000     .000000
1.00000   -1000.830     .000000     .000000     .000000     .000000     .000000

ELEM     296 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  734.830375     .000000     .000000     .000000     .000000     .000000
0.50000  726.671875     .000000     .000000     .000000     .000000     .000000
1.00000  718.513375     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000 -734.830375     .000000     .000000     .000000     .000000     .000000
0.50000 -726.671875     .000000     .000000     .000000     .000000     .000000
1.00000 -718.513375     .000000     .000000     .000000     .000000     .000000

ELEM     297 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  704.527375     .000000     .000000     .000000     .000000     .000000
0.50000  701.807875     .000000     .000000     .000000     .000000     .000000
1.00000  699.088375     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -704.527375     .000000     .000000     .000000     .000000     .000000
0.50000 -701.807875     .000000     .000000     .000000     .000000     .000000
1.00000 -699.088375     .000000     .000000     .000000     .000000     .000000

ELEM     298 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  557.088375     .000000     .000000     .000000     .000000     .000000
0.50000  548.929875     .000000     .000000     .000000     .000000     .000000
1.00000  540.771375     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -557.088375     .000000     .000000     .000000     .000000     .000000
0.50000 -548.929875     .000000     .000000     .000000     .000000     .000000
1.00000 -540.771375     .000000     .000000     .000000     .000000     .000000

ELEM     299 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  526.785375     .000000     .000000     .000000     .000000     .000000
0.50000  524.065875     .000000     .000000     .000000     .000000     .000000
1.00000  521.346375     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -526.785375     .000000     .000000     .000000     .000000     .000000
0.50000 -524.065875     .000000     .000000     .000000     .000000     .000000
1.00000 -521.346375     .000000     .000000     .000000     .000000     .000000

ELEM     300 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  493.346375     .000000     .000000     .000000     .000000     .000000
0.50000  490.626875     .000000     .000000     .000000     .000000     .000000
1.00000  487.907375     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000 -493.346375     .000000     .000000     .000000     .000000     .000000
0.50000 -490.626875     .000000     .000000     .000000     .000000     .000000
1.00000 -487.907375     .000000     .000000     .000000     .000000     .000000

ELEM     301 ================== LENGTH =    9.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  473.921375     .000000     .000000     .000000     .000000     .000000
0.50000  472.851988     .000000     .000000     .000000     .000000     .000000
1.00000  471.782602     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -473.921375     .000000     .000000     .000000     .000000     .000000
0.50000 -472.851988     .000000     .000000     .000000     .000000     .000000
1.00000 -471.782602     .000000     .000000     .000000     .000000     .000000

ELEM     302 ================== LENGTH =   89.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  471.782602     .000000     .000000     .000000     .000000     .000000
0.50000  461.634051     .000000     .000000     .000000     .000000     .000000
1.00000  451.485500     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -471.782602     .000000     .000000     .000000     .000000     .000000
0.50000 -461.634051     .000000     .000000     .000000     .000000     .000000
1.00000 -451.485500     .000000     .000000     .000000     .000000     .000000

ELEM     303 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     305 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     306 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     307 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     308 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
```

```
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     309 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     311 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     312 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.242750    8.77E-16     .000000     .000000     .000000
0.25000     .000000    3.621375    4.39E-16     .000000    1.18E-14   97.777125
0.50000     .000000    4.39E-15    2.16E-31     .000000    1.58E-14  130.369500
0.75000     .000000    3.621375    4.39E-16     .000000    1.18E-14   97.777125
1.00000     .000000    7.242750    8.77E-16     .000000    1.55E-29    3.14E-13
```

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.242750	-8.77E-16	.000000	.000000	.000000
0.25000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
0.50000	.000000	-4.39E-15	-2.16E-31	.000000	-1.58E-14	-130.369500
0.75000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
1.00000	.000000	-7.242750	-8.77E-16	.000000	-1.55E-29	-3.14E-13

ELEM 313 ========== LENGTH = 60.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	3162.600	.000000	.000000	.000000	.000000	.000000
0.50000	3155.745	.000000	.000000	.000000	.000000	.000000
1.00000	3148.889	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-3162.600	.000000	.000000	.000000	.000000	.000000
0.50000	-3155.745	.000000	.000000	.000000	.000000	.000000
1.00000	-3148.889	.000000	.000000	.000000	.000000	.000000

ELEM 314 ========== LENGTH = 62.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	3134.903	.000000	.000000	.000000	.000000	.000000
0.50000	3127.878	.000000	.000000	.000000	.000000	.000000
1.00000	3120.853	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-3134.903	.000000	.000000	.000000	.000000	.000000
0.50000	-3127.878	.000000	.000000	.000000	.000000	.000000
1.00000	-3120.853	.000000	.000000	.000000	.000000	.000000

ELEM 315 ========== LENGTH = 39.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	3106.867	.000000	.000000	.000000	.000000	.000000
0.50000	3102.363	.000000	.000000	.000000	.000000	.000000
1.00000	3097.858	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-3106.867	.000000	.000000	.000000	.000000	.000000
0.50000	-3102.363	.000000	.000000	.000000	.000000	.000000
1.00000	-3097.858	.000000	.000000	.000000	.000000	.000000

ELEM 316 ========== LENGTH = 56.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2905.858	.000000	.000000	.000000	.000000	.000000

```
0.50000    2899.428     .000000     .000000     .000000     .000000     .000000
1.00000    2892.997     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2905.858     .000000     .000000     .000000     .000000     .000000
0.50000   -2899.428     .000000     .000000     .000000     .000000     .000000
1.00000   -2892.997     .000000     .000000     .000000     .000000     .000000

ELEM     317 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2879.011     .000000     .000000     .000000     .000000     .000000
0.50000    2876.292     .000000     .000000     .000000     .000000     .000000
1.00000    2873.572     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2879.011     .000000     .000000     .000000     .000000     .000000
0.50000   -2876.292     .000000     .000000     .000000     .000000     .000000
1.00000   -2873.572     .000000     .000000     .000000     .000000     .000000

ELEM     318 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2552.572     .000000     .000000     .000000     .000000     .000000
0.50000    2544.414     .000000     .000000     .000000     .000000     .000000
1.00000    2536.255     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2552.572     .000000     .000000     .000000     .000000     .000000
0.50000   -2544.414     .000000     .000000     .000000     .000000     .000000
1.00000   -2536.255     .000000     .000000     .000000     .000000     .000000

ELEM     319 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2522.269     .000000     .000000     .000000     .000000     .000000
0.50000    2519.550     .000000     .000000     .000000     .000000     .000000
1.00000    2516.830     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2522.269     .000000     .000000     .000000     .000000     .000000
0.50000   -2519.550     .000000     .000000     .000000     .000000     .000000
1.00000   -2516.830     .000000     .000000     .000000     .000000     .000000

ELEM     320 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000    2250.830     .000000     .000000     .000000     .000000     .000000
0.50000    2242.672     .000000     .000000     .000000     .000000     .000000
1.00000    2234.513     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2250.830     .000000     .000000     .000000     .000000     .000000
0.50000   -2242.672     .000000     .000000     .000000     .000000     .000000
1.00000   -2234.513     .000000     .000000     .000000     .000000     .000000

ELEM     321 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2220.527     .000000     .000000     .000000     .000000     .000000
0.50000    2217.808     .000000     .000000     .000000     .000000     .000000
1.00000    2215.088     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2220.527     .000000     .000000     .000000     .000000     .000000
0.50000   -2217.808     .000000     .000000     .000000     .000000     .000000
1.00000   -2215.088     .000000     .000000     .000000     .000000     .000000

ELEM     322 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2073.088     .000000     .000000     .000000     .000000     .000000
0.50000    2064.930     .000000     .000000     .000000     .000000     .000000
1.00000    2056.771     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2073.088     .000000     .000000     .000000     .000000     .000000
0.50000   -2064.930     .000000     .000000     .000000     .000000     .000000
1.00000   -2056.771     .000000     .000000     .000000     .000000     .000000

ELEM     323 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2042.785     .000000     .000000     .000000     .000000     .000000
0.50000    2040.066     .000000     .000000     .000000     .000000     .000000
1.00000    2037.346     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2042.785     .000000     .000000     .000000     .000000     .000000
0.50000   -2040.066     .000000     .000000     .000000     .000000     .000000
1.00000   -2037.346     .000000     .000000     .000000     .000000     .000000

ELEM     324 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	2009.346	.000000	.000000	.000000	.000000	.000000
0.50000	2006.627	.000000	.000000	.000000	.000000	.000000
1.00000	2003.907	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2009.346	.000000	.000000	.000000	.000000	.000000
0.50000	-2006.627	.000000	.000000	.000000	.000000	.000000
1.00000	-2003.907	.000000	.000000	.000000	.000000	.000000

ELEM 325 ========== LENGTH = 9.437500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1989.921	.000000	.000000	.000000	.000000	.000000
0.50000	1988.852	.000000	.000000	.000000	.000000	.000000
1.00000	1987.783	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1989.921	.000000	.000000	.000000	.000000	.000000
0.50000	-1988.852	.000000	.000000	.000000	.000000	.000000
1.00000	-1987.783	.000000	.000000	.000000	.000000	.000000

ELEM 326 ========== LENGTH = 89.562500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1987.783	.000000	.000000	.000000	.000000	.000000
0.50000	1977.634	.000000	.000000	.000000	.000000	.000000
1.00000	1967.485	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1987.783	.000000	.000000	.000000	.000000	.000000
0.50000	-1977.634	.000000	.000000	.000000	.000000	.000000
1.00000	-1967.485	.000000	.000000	.000000	.000000	.000000

ELEM 328 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 329 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 330 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 331 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 332 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 333 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 334 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 336 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3

0.00000	.000000	7.242750	8.77E-16	.000000	.000000	.000000
0.25000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
0.50000	.000000	4.39E-15	2.16E-31	.000000	1.58E-14	130.369500
0.75000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
1.00000	.000000	7.242750	8.77E-16	.000000	1.55E-29	3.14E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.242750	-8.77E-16	.000000	.000000	.000000
0.25000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
0.50000	.000000	-4.39E-15	-2.16E-31	.000000	-1.58E-14	-130.369500
0.75000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
1.00000	.000000	-7.242750	-8.77E-16	.000000	-1.55E-29	-3.14E-13

ELEM 337 ========== LENGTH = 60.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	5972.406	.000000	.000000	.000000	.000000	.000000
0.50000	5965.551	.000000	.000000	.000000	.000000	.000000
1.00000	5958.696	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-5972.406	.000000	.000000	.000000	.000000	.000000
0.50000	-5965.551	.000000	.000000	.000000	.000000	.000000
1.00000	-5958.696	.000000	.000000	.000000	.000000	.000000

ELEM 338 ========== LENGTH = 62.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	5951.703	.000000	.000000	.000000	.000000	.000000
0.50000	5944.677	.000000	.000000	.000000	.000000	.000000
1.00000	5937.652	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-5951.703	.000000	.000000	.000000	.000000	.000000
0.50000	-5944.677	.000000	.000000	.000000	.000000	.000000
1.00000	-5937.652	.000000	.000000	.000000	.000000	.000000

ELEM 339 ========== LENGTH = 39.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	5645.659	.000000	.000000	.000000	.000000	.000000
0.50000	5641.155	.000000	.000000	.000000	.000000	.000000
1.00000	5636.651	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-5645.659	.000000	.000000	.000000	.000000	.000000
0.50000	-5641.155	.000000	.000000	.000000	.000000	.000000
1.00000	-5636.651	.000000	.000000	.000000	.000000	.000000

ELEM 340 ========== LENGTH = 56.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	5444.651	.000000	.000000	.000000	.000000	.000000
0.50000	5438.220	.000000	.000000	.000000	.000000	.000000
1.00000	5431.790	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-5444.651	.000000	.000000	.000000	.000000	.000000
0.50000	-5438.220	.000000	.000000	.000000	.000000	.000000
1.00000	-5431.790	.000000	.000000	.000000	.000000	.000000

ELEM 341 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	4920.797	.000000	.000000	.000000	.000000	.000000
0.50000	4918.077	.000000	.000000	.000000	.000000	.000000
1.00000	4915.358	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-4920.797	.000000	.000000	.000000	.000000	.000000
0.50000	-4918.077	.000000	.000000	.000000	.000000	.000000
1.00000	-4915.358	.000000	.000000	.000000	.000000	.000000

ELEM 342 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	4594.358	.000000	.000000	.000000	.000000	.000000
0.50000	4586.199	.000000	.000000	.000000	.000000	.000000
1.00000	4578.041	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-4594.358	.000000	.000000	.000000	.000000	.000000
0.50000	-4586.199	.000000	.000000	.000000	.000000	.000000
1.00000	-4578.041	.000000	.000000	.000000	.000000	.000000

ELEM 343 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	4005.048	.000000	.000000	.000000	.000000	.000000
0.50000	4002.328	.000000	.000000	.000000	.000000	.000000
1.00000	3999.609	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-4005.048	.000000	.000000	.000000	.000000	.000000
0.50000	-4002.328	.000000	.000000	.000000	.000000	.000000
1.00000	-3999.609	.000000	.000000	.000000	.000000	.000000

```
ELEM     344 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3733.609     .000000     .000000     .000000     .000000     .000000
0.50000    3725.450     .000000     .000000     .000000     .000000     .000000
1.00000    3717.292     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3733.609     .000000     .000000     .000000     .000000     .000000
0.50000   -3725.450     .000000     .000000     .000000     .000000     .000000
1.00000   -3717.292     .000000     .000000     .000000     .000000     .000000

ELEM     345 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3144.299     .000000     .000000     .000000     .000000     .000000
0.50000    3141.579     .000000     .000000     .000000     .000000     .000000
1.00000    3138.860     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3144.299     .000000     .000000     .000000     .000000     .000000
0.50000   -3141.579     .000000     .000000     .000000     .000000     .000000
1.00000   -3138.860     .000000     .000000     .000000     .000000     .000000

ELEM     346 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2996.860     .000000     .000000     .000000     .000000     .000000
0.50000    2988.701     .000000     .000000     .000000     .000000     .000000
1.00000    2980.543     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2996.860     .000000     .000000     .000000     .000000     .000000
0.50000   -2988.701     .000000     .000000     .000000     .000000     .000000
1.00000   -2980.543     .000000     .000000     .000000     .000000     .000000

ELEM     347 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2548.550     .000000     .000000     .000000     .000000     .000000
0.50000    2545.830     .000000     .000000     .000000     .000000     .000000
1.00000    2543.111     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2548.550     .000000     .000000     .000000     .000000     .000000
0.50000   -2545.830     .000000     .000000     .000000     .000000     .000000
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1.00000   -2543.111     .000000     .000000     .000000     .000000     .000000

ELEM     348 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2515.111     .000000     .000000     .000000     .000000     .000000
0.50000    2512.391     .000000     .000000     .000000     .000000     .000000
1.00000    2509.672     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2515.111     .000000     .000000     .000000     .000000     .000000
0.50000   -2512.391     .000000     .000000     .000000     .000000     .000000
1.00000   -2509.672     .000000     .000000     .000000     .000000     .000000

ELEM     349 ================== LENGTH =    9.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2068.679     .000000     .000000     .000000     .000000     .000000
0.50000    2067.609     .000000     .000000     .000000     .000000     .000000
1.00000    2066.540     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2068.679     .000000     .000000     .000000     .000000     .000000
0.50000   -2067.609     .000000     .000000     .000000     .000000     .000000
1.00000   -2066.540     .000000     .000000     .000000     .000000     .000000

ELEM     350 ================== LENGTH =   68.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2066.540     .000000     .000000     .000000     .000000     .000000
0.50000    2058.771     .000000     .000000     .000000     .000000     .000000
1.00000    2051.002     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2066.540     .000000     .000000     .000000     .000000     .000000
0.50000   -2058.771     .000000     .000000     .000000     .000000     .000000
1.00000   -2051.002     .000000     .000000     .000000     .000000     .000000

ELEM     351 ================== LENGTH =   21.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2051.002     .000000     .000000     .000000     .000000     .000000
0.50000    2048.622     .000000     .000000     .000000     .000000     .000000
1.00000    2046.243     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2051.002     .000000     .000000     .000000     .000000     .000000
```

0.50000	-2048.622	.000000	.000000	.000000	.000000	.000000
1.00000	-2046.243	.000000	.000000	.000000	.000000	.000000

S A P 2 0 0 0

Structural Analysis Programs

Version 7.40

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C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES

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results produced by this program

5 Apr 2005 18:44:16

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S Y S T E M D A T A

STEADY STATE LOAD FREQUENCY - - - - - - - - 0.0000E+00

LENGTH UNITS - - - - - - - - - - - - - - - - - IN
FORCE UNITS - - - - - - - - - - - - - - - - - LB

UP DIRECTION - - - - - - - - - - - - - - - - - +Z

GLOBAL DEGREES OF FREEDOM - - - - - - - - - - UX
- - - - - - - - - - UZ
- - - - - - - - - - RY

PAGINATION BY - - - - - - - - - - - - - - - - SECTIONS
NUMBER OF LINES PER PAGE - - - - - - - - - - - 59
INCLUDE WARNING MESSAGES IN OUTPUT FILE - - Y

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G E N E R A T E D J O I N T C O O R D I N A T E S

JOINT	X	Y	Z
A2	72.000	120.000	0.000
A3	144.000	120.000	0.000
A4	216.000	120.000	0.000
A5	288.000	120.000	0.000
A6	360.000	120.000	0.000
A7	432.000	120.000	0.000
A8	504.000	120.000	0.000
A9	576.000	120.000	0.000
B2	72.000	120.000	60.500
B3	144.000	120.000	60.500

B4	216.000	120.000	60.500
B5	288.000	120.000	60.500
B6	360.000	120.000	60.500
B7	432.000	120.000	60.500
B8	504.000	120.000	60.500
B9	576.000	120.000	60.500
C2	72.000	120.000	122.500
C3	144.000	120.000	122.500
C4	216.000	120.000	122.500
C5	288.000	120.000	122.500
C6	360.000	120.000	122.500
C7	432.000	120.000	122.500
C8	504.000	120.000	122.500
C9	576.000	120.000	122.500
D1	0.000	120.000	144.000
F1	0.000	120.000	219.000
F2	72.000	120.000	219.000
F3	144.000	120.000	219.000
F4	216.000	120.000	219.000
F5	288.000	120.000	219.000
F6	360.000	120.000	219.000
F7	432.000	120.000	219.000
F8	504.000	120.000	219.000
F9	576.000	120.000	219.000
H1	0.000	120.000	315.000
H2	72.000	120.000	315.000
H3	144.000	120.000	315.000
H4	216.000	120.000	315.000
H5	288.000	120.000	315.000
H6	360.000	120.000	315.000
H7	432.000	120.000	315.000
H8	504.000	120.000	315.000
H9	576.000	120.000	315.000
J1	0.000	120.000	411.000
J2	72.000	120.000	411.000
J3	144.000	120.000	411.000
J4	216.000	120.000	411.000
J5	288.000	120.000	411.000
J6	360.000	120.000	411.000
J7	432.000	120.000	411.000
J8	504.000	120.000	411.000
J9	576.000	120.000	411.000
L1	0.000	120.000	507.000
L2	72.000	120.000	507.000
L3	144.000	120.000	507.000
L4	216.000	120.000	507.000
L5	288.000	120.000	507.000
L6	360.000	120.000	507.000
L7	432.000	120.000	507.000
L8	504.000	120.000	507.000
L9	576.000	120.000	507.000
M1	0.000	120.000	555.000
M2	72.000	120.000	555.000
M3	144.000	120.000	555.000
M4	216.000	120.000	555.000
M5	288.000	120.000	555.000
M6	360.000	120.000	555.000
M7	432.000	120.000	555.000
M8	504.000	120.000	555.000
M9	576.000	120.000	555.000
O1	0.000	120.000	633.000
O7	432.000	120.000	633.000
P1	0.000	120.000	654.000

P2	72.000	120.000	654.000
P3	144.000	120.000	654.000
P4	216.000	120.000	654.000
P5	288.000	120.000	654.000
P6	360.000	120.000	654.000
P7	432.000	120.000	654.000
P8	504.000	120.000	654.000
P9	576.000	120.000	654.000
A10	648.000	120.000	0.000
A11	720.000	120.000	0.000
A12	792.000	120.000	0.000
A13	864.000	120.000	0.000
A14	936.000	120.000	0.000
A15	1008.000	120.000	0.000
B10	648.000	120.000	60.500
B11	720.000	120.000	60.500
B12	792.000	120.000	60.500
B13	864.000	120.000	60.500
B14	936.000	120.000	60.500
B15	1008.000	120.000	60.500
C10	648.000	120.000	122.500
C11	720.000	120.000	122.500
C12	792.000	120.000	122.500
C13	864.000	120.000	122.500
C14	936.000	120.000	122.500
C15	1008.000	120.000	122.500
DE1	0.000	120.000	531.000
DE2	72.000	120.000	531.000
DE3	144.000	120.000	531.000
DE4	216.000	120.000	531.000
DE5	288.000	120.000	531.000
DE6	360.000	120.000	531.000
DE7	432.000	120.000	531.000
DE8	504.000	120.000	531.000
DE9	576.000	120.000	531.000
F10	648.000	120.000	219.000
F11	720.000	120.000	219.000
F12	792.000	120.000	219.000
F13	864.000	120.000	219.000
F14	936.000	120.000	219.000
F15	1008.000	120.000	219.000
H10	648.000	120.000	315.000
H11	720.000	120.000	315.000
H12	792.000	120.000	315.000
H13	864.000	120.000	315.000
H14	936.000	120.000	315.000
H15	1008.000	120.000	315.000
J10	648.000	120.000	411.000
J11	720.000	120.000	411.000
J12	792.000	120.000	411.000
J13	864.000	120.000	411.000
J14	936.000	120.000	411.000
J15	1008.000	120.000	411.000
L10	648.000	120.000	507.000
L11	720.000	120.000	507.000
L12	792.000	120.000	507.000
L13	864.000	120.000	507.000
L14	936.000	120.000	507.000
L15	1008.000	120.000	507.000
M10	648.000	120.000	555.000
M11	720.000	120.000	555.000
M12	792.000	120.000	555.000
M13	864.000	120.000	555.000

M14	936.000	120.000	555.000
M15	1008.000	120.000	555.000
O15	1008.000	120.000	633.000
P10	648.000	120.000	654.000
P11	720.000	120.000	654.000
P12	792.000	120.000	654.000
P13	864.000	120.000	654.000
P14	936.000	120.000	654.000
P15	1008.000	120.000	654.000
DE10	648.000	120.000	531.000
DE11	720.000	120.000	531.000
DE12	792.000	120.000	531.000
DE13	864.000	120.000	531.000
DE14	936.000	120.000	531.000
DE15	1008.000	120.000	531.000
1FIL1	0.000	120.000	162.250
1FIL2	72.000	120.000	162.250
1FIL3	144.000	120.000	162.250
1FIL4	216.000	120.000	162.250
1FIL5	288.000	120.000	162.250
1FIL6	360.000	120.000	162.250
1FIL7	432.000	120.000	162.250
1FIL8	504.000	120.000	162.250
1FIL9	576.000	120.000	162.250
2FIL1	0.000	120.000	243.000
2FIL2	72.000	120.000	243.000
2FIL3	144.000	120.000	243.000
2FIL4	216.000	120.000	243.000
2FIL5	288.000	120.000	243.000
2FIL6	360.000	120.000	243.000
2FIL7	432.000	120.000	243.000
2FIL8	504.000	120.000	243.000
2FIL9	576.000	120.000	243.000
3FIL1	0.000	120.000	339.000
3FIL2	72.000	120.000	339.000
3FIL3	144.000	120.000	339.000
3FIL4	216.000	120.000	339.000
3FIL5	288.000	120.000	339.000
3FIL6	360.000	120.000	339.000
3FIL7	432.000	120.000	339.000
3FIL8	504.000	120.000	339.000
3FIL9	576.000	120.000	339.000
4FIL1	0.000	120.000	435.000
4FIL2	72.000	120.000	435.000
4FIL3	144.000	120.000	435.000
4FIL4	216.000	120.000	435.000
4FIL5	288.000	120.000	435.000
4FIL6	360.000	120.000	435.000
4FIL7	432.000	120.000	435.000
4FIL8	504.000	120.000	435.000
4FIL9	576.000	120.000	435.000
5FIL1	0.000	120.000	564.437
5FIL2	72.000	120.000	564.437
5FIL3	144.000	120.000	564.437
5FIL4	216.000	120.000	564.437
5FIL5	288.000	120.000	564.437
5FIL6	360.000	120.000	564.437
5FIL7	432.000	120.000	564.437
5FIL8	504.000	120.000	564.437
5FIL9	576.000	120.000	564.437
1FIL10	648.000	120.000	162.250
1FIL11	720.000	120.000	162.250
1FIL12	792.000	120.000	162.250

1FIL13	864.000	120.000	162.250
1FIL14	936.000	120.000	162.250
1FIL15	1008.000	120.000	162.250
2FIL10	648.000	120.000	243.000
2FIL11	720.000	120.000	243.000
2FIL12	792.000	120.000	243.000
2FIL13	864.000	120.000	243.000
2FIL14	936.000	120.000	243.000
2FIL15	1008.000	120.000	243.000
3FIL10	648.000	120.000	339.000
3FIL11	720.000	120.000	339.000
3FIL12	792.000	120.000	339.000
3FIL13	864.000	120.000	339.000
3FIL14	936.000	120.000	339.000
3FIL15	1008.000	120.000	339.000
4FIL10	648.000	120.000	435.000
4FIL11	720.000	120.000	435.000
4FIL12	792.000	120.000	435.000
4FIL13	864.000	120.000	435.000
4FIL14	936.000	120.000	435.000
4FIL15	1008.000	120.000	435.000
5FIL10	648.000	120.000	564.437
5FIL11	720.000	120.000	564.437
5FIL12	792.000	120.000	564.437
5FIL13	864.000	120.000	564.437
5FIL14	936.000	120.000	564.437
5FIL15	1008.000	120.000	564.437

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P A T T E R N S

PATTERN	JOINT	VALUE
DEFAULT		

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R E S T R A I N T D A T A

JOINT			
A2	U1	U2	U3
A3	U1	U2	U3
A4	U1	U2	U3
A5	U1	U2	U3
A6	U1	U2	U3
A7	U1	U2	U3
A8	U1	U2	U3
A9	U1	U2	U3
D1	U1	U2	U3
A10	U1	U2	U3
A11	U1	U2	U3
A12	U1	U2	U3
A13	U1	U2	U3
A14	U1	U2	U3
A15	U1	U2	U3

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C O N S T R A I N T D A T A

CONSTR	TYPE	CSYS	AXIS	DEGREES OF FREEDOM
PO1	EQUAL	0		UX
PO7	EQUAL	0		UX
PO15	EQUAL	0		UX

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C O N S T R A I N T D A T A

CONSTR	JOINTS	
PO1		
	O1	P1
PO7		
	O7	P7
PO15		
	O15	P15

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J O I N T M A S S E S

JOINT	U1	U2	U3	R1	R2	R3
C8	0.737E+00	0.737E+00	0.737E+00	0.000E+00	0.000E+00	0.000E+00
D1	0.243E+00	0.243E+00	0.243E+00	0.000E+00	0.000E+00	0.000E+00
F1	0.553E+00	0.553E+00	0.553E+00	0.000E+00	0.000E+00	0.000E+00
F8	0.131E+01	0.131E+01	0.131E+01	0.000E+00	0.000E+00	0.000E+00
H1	0.621E+00	0.621E+00	0.621E+00	0.000E+00	0.000E+00	0.000E+00
H8	0.147E+01	0.147E+01	0.147E+01	0.000E+00	0.000E+00	0.000E+00
J1	0.621E+00	0.621E+00	0.621E+00	0.000E+00	0.000E+00	0.000E+00
J8	0.147E+01	0.147E+01	0.147E+01	0.000E+00	0.000E+00	0.000E+00
L1	0.466E+00	0.466E+00	0.466E+00	0.000E+00	0.000E+00	0.000E+00
L8	0.110E+01	0.110E+01	0.110E+01	0.000E+00	0.000E+00	0.000E+00
M1	0.476E+00	0.476E+00	0.476E+00	0.000E+00	0.000E+00	0.000E+00
M8	0.112E+01	0.112E+01	0.112E+01	0.000E+00	0.000E+00	0.000E+00
P1	0.258E+01	0.258E+01	0.258E+01	0.000E+00	0.000E+00	0.000E+00
P2	0.506E+01	0.506E+01	0.506E+01	0.000E+00	0.000E+00	0.000E+00
P3	0.113E+01	0.113E+01	0.113E+01	0.000E+00	0.000E+00	0.000E+00
P4	0.326E+01	0.326E+01	0.326E+01	0.000E+00	0.000E+00	0.000E+00
P5	0.326E+01	0.326E+01	0.326E+01	0.000E+00	0.000E+00	0.000E+00
P6	0.113E+01	0.113E+01	0.113E+01	0.000E+00	0.000E+00	0.000E+00
P7	0.506E+01	0.506E+01	0.506E+01	0.000E+00	0.000E+00	0.000E+00
P8	0.528E+01	0.528E+01	0.528E+01	0.000E+00	0.000E+00	0.000E+00
P9	0.506E+01	0.506E+01	0.506E+01	0.000E+00	0.000E+00	0.000E+00
C15	0.737E+00	0.737E+00	0.737E+00	0.000E+00	0.000E+00	0.000E+00
DE1	0.361E-01	0.361E-01	0.361E-01	0.000E+00	0.000E+00	0.000E+00
DE2	0.721E-01	0.721E-01	0.721E-01	0.000E+00	0.000E+00	0.000E+00
DE3	0.288E+01	0.288E+01	0.288E+01	0.000E+00	0.000E+00	0.000E+00
DE4	0.147E+01	0.147E+01	0.147E+01	0.000E+00	0.000E+00	0.000E+00
DE5	0.721E-01	0.721E-01	0.721E-01	0.000E+00	0.000E+00	0.000E+00

DE6	0.721E-01	0.721E-01	0.721E-01	0.000E+00	0.000E+00	0.000E+00
DE7	0.721E-01	0.721E-01	0.721E-01	0.000E+00	0.000E+00	0.000E+00
DE8	0.721E-01	0.721E-01	0.721E-01	0.000E+00	0.000E+00	0.000E+00
DE9	0.721E-01	0.721E-01	0.721E-01	0.000E+00	0.000E+00	0.000E+00
F15	0.131E+01	0.131E+01	0.131E+01	0.000E+00	0.000E+00	0.000E+00
H15	0.147E+01	0.147E+01	0.147E+01	0.000E+00	0.000E+00	0.000E+00
J15	0.147E+01	0.147E+01	0.147E+01	0.000E+00	0.000E+00	0.000E+00
L15	0.110E+01	0.110E+01	0.110E+01	0.000E+00	0.000E+00	0.000E+00
M15	0.112E+01	0.112E+01	0.112E+01	0.000E+00	0.000E+00	0.000E+00
P10	0.113E+01	0.113E+01	0.113E+01	0.000E+00	0.000E+00	0.000E+00
P11	0.326E+01	0.326E+01	0.326E+01	0.000E+00	0.000E+00	0.000E+00
P12	0.326E+01	0.326E+01	0.326E+01	0.000E+00	0.000E+00	0.000E+00
P13	0.113E+01	0.113E+01	0.113E+01	0.000E+00	0.000E+00	0.000E+00
P14	0.506E+01	0.506E+01	0.506E+01	0.000E+00	0.000E+00	0.000E+00
P15	0.528E+01	0.528E+01	0.528E+01	0.000E+00	0.000E+00	0.000E+00
DE10	0.721E-01	0.721E-01	0.721E-01	0.000E+00	0.000E+00	0.000E+00
DE11	0.721E-01	0.721E-01	0.721E-01	0.000E+00	0.000E+00	0.000E+00
DE12	0.721E-01	0.721E-01	0.721E-01	0.000E+00	0.000E+00	0.000E+00
DE13	0.721E-01	0.721E-01	0.721E-01	0.000E+00	0.000E+00	0.000E+00
DE14	0.721E-01	0.721E-01	0.721E-01	0.000E+00	0.000E+00	0.000E+00
DE15	0.721E-01	0.721E-01	0.721E-01	0.000E+00	0.000E+00	0.000E+00
1FIL1	0.249E+00	0.249E+00	0.249E+00	0.000E+00	0.000E+00	0.000E+00
1FIL2	0.497E+00	0.497E+00	0.497E+00	0.000E+00	0.000E+00	0.000E+00
1FIL3	0.497E+00	0.497E+00	0.497E+00	0.000E+00	0.000E+00	0.000E+00
1FIL4	0.497E+00	0.497E+00	0.497E+00	0.000E+00	0.000E+00	0.000E+00
1FIL5	0.497E+00	0.497E+00	0.497E+00	0.000E+00	0.000E+00	0.000E+00
1FIL6	0.497E+00	0.497E+00	0.497E+00	0.000E+00	0.000E+00	0.000E+00
1FIL7	0.497E+00	0.497E+00	0.497E+00	0.000E+00	0.000E+00	0.000E+00
1FIL8	0.497E+00	0.497E+00	0.497E+00	0.000E+00	0.000E+00	0.000E+00
1FIL9	0.497E+00	0.497E+00	0.497E+00	0.000E+00	0.000E+00	0.000E+00
2FIL1	0.416E+00	0.416E+00	0.416E+00	0.000E+00	0.000E+00	0.000E+00
2FIL2	0.833E+00	0.833E+00	0.833E+00	0.000E+00	0.000E+00	0.000E+00
2FIL3	0.833E+00	0.833E+00	0.833E+00	0.000E+00	0.000E+00	0.000E+00
2FIL4	0.833E+00	0.833E+00	0.833E+00	0.000E+00	0.000E+00	0.000E+00
2FIL5	0.833E+00	0.833E+00	0.833E+00	0.000E+00	0.000E+00	0.000E+00
2FIL6	0.833E+00	0.833E+00	0.833E+00	0.000E+00	0.000E+00	0.000E+00
2FIL7	0.833E+00	0.833E+00	0.833E+00	0.000E+00	0.000E+00	0.000E+00
2FIL8	0.833E+00	0.833E+00	0.833E+00	0.000E+00	0.000E+00	0.000E+00
2FIL9	0.833E+00	0.833E+00	0.833E+00	0.000E+00	0.000E+00	0.000E+00
3FIL1	0.345E+00	0.345E+00	0.345E+00	0.000E+00	0.000E+00	0.000E+00
3FIL2	0.690E+00	0.690E+00	0.690E+00	0.000E+00	0.000E+00	0.000E+00
3FIL3	0.690E+00	0.690E+00	0.690E+00	0.000E+00	0.000E+00	0.000E+00
3FIL4	0.690E+00	0.690E+00	0.690E+00	0.000E+00	0.000E+00	0.000E+00
3FIL5	0.690E+00	0.690E+00	0.690E+00	0.000E+00	0.000E+00	0.000E+00
3FIL6	0.690E+00	0.690E+00	0.690E+00	0.000E+00	0.000E+00	0.000E+00
3FIL7	0.690E+00	0.690E+00	0.690E+00	0.000E+00	0.000E+00	0.000E+00
3FIL8	0.690E+00	0.690E+00	0.690E+00	0.000E+00	0.000E+00	0.000E+00
3FIL9	0.690E+00	0.690E+00	0.690E+00	0.000E+00	0.000E+00	0.000E+00
4FIL1	0.184E+00	0.184E+00	0.184E+00	0.000E+00	0.000E+00	0.000E+00
4FIL2	0.367E+00	0.367E+00	0.367E+00	0.000E+00	0.000E+00	0.000E+00
4FIL3	0.367E+00	0.367E+00	0.367E+00	0.000E+00	0.000E+00	0.000E+00
4FIL4	0.367E+00	0.367E+00	0.367E+00	0.000E+00	0.000E+00	0.000E+00
4FIL5	0.367E+00	0.367E+00	0.367E+00	0.000E+00	0.000E+00	0.000E+00
4FIL6	0.367E+00	0.367E+00	0.367E+00	0.000E+00	0.000E+00	0.000E+00
4FIL7	0.367E+00	0.367E+00	0.367E+00	0.000E+00	0.000E+00	0.000E+00
4FIL8	0.367E+00	0.367E+00	0.367E+00	0.000E+00	0.000E+00	0.000E+00
4FIL9	0.367E+00	0.367E+00	0.367E+00	0.000E+00	0.000E+00	0.000E+00
1FIL10	0.497E+00	0.497E+00	0.497E+00	0.000E+00	0.000E+00	0.000E+00
1FIL11	0.497E+00	0.497E+00	0.497E+00	0.000E+00	0.000E+00	0.000E+00
1FIL12	0.497E+00	0.497E+00	0.497E+00	0.000E+00	0.000E+00	0.000E+00
1FIL13	0.497E+00	0.497E+00	0.497E+00	0.000E+00	0.000E+00	0.000E+00
1FIL14	0.497E+00	0.497E+00	0.497E+00	0.000E+00	0.000E+00	0.000E+00
1FIL15	0.497E+00	0.497E+00	0.497E+00	0.000E+00	0.000E+00	0.000E+00

2FIL10	0.833E+00	0.833E+00	0.833E+00	0.000E+00	0.000E+00	0.000E+00
2FIL11	0.833E+00	0.833E+00	0.833E+00	0.000E+00	0.000E+00	0.000E+00
2FIL12	0.833E+00	0.833E+00	0.833E+00	0.000E+00	0.000E+00	0.000E+00
2FIL13	0.833E+00	0.833E+00	0.833E+00	0.000E+00	0.000E+00	0.000E+00
2FIL14	0.833E+00	0.833E+00	0.833E+00	0.000E+00	0.000E+00	0.000E+00
2FIL15	0.833E+00	0.833E+00	0.833E+00	0.000E+00	0.000E+00	0.000E+00
3FIL10	0.690E+00	0.690E+00	0.690E+00	0.000E+00	0.000E+00	0.000E+00
3FIL11	0.690E+00	0.690E+00	0.690E+00	0.000E+00	0.000E+00	0.000E+00
3FIL12	0.690E+00	0.690E+00	0.690E+00	0.000E+00	0.000E+00	0.000E+00
3FIL13	0.690E+00	0.690E+00	0.690E+00	0.000E+00	0.000E+00	0.000E+00
3FIL14	0.690E+00	0.690E+00	0.690E+00	0.000E+00	0.000E+00	0.000E+00
3FIL15	0.690E+00	0.690E+00	0.690E+00	0.000E+00	0.000E+00	0.000E+00
4FIL10	0.367E+00	0.367E+00	0.367E+00	0.000E+00	0.000E+00	0.000E+00
4FIL11	0.367E+00	0.367E+00	0.367E+00	0.000E+00	0.000E+00	0.000E+00
4FIL12	0.367E+00	0.367E+00	0.367E+00	0.000E+00	0.000E+00	0.000E+00
4FIL13	0.367E+00	0.367E+00	0.367E+00	0.000E+00	0.000E+00	0.000E+00
4FIL14	0.367E+00	0.367E+00	0.367E+00	0.000E+00	0.000E+00	0.000E+00
4FIL15	0.367E+00	0.367E+00	0.367E+00	0.000E+00	0.000E+00	0.000E+00

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M A T E R I A L P R O P E R T Y D A T A

MAT LABEL	NUMBER TEMPS	WEIGHT PER UNIT VOL	MASS PER UNIT VOL	DESIGN CODE
STEEL	1	0.2830E+00	0.7324E-03	S
CONC	1	0.8680E-04	0.2246E-06	C
OTHER	1	0.8680E-04	0.2246E-06	N
WOOD	1	0.1850E-01	0.4793E-04	N

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T E M P E R A T U R E D E P E N D E N T D A T A

MATERIAL PROPERTIES

MAT LABEL	TEMP	MODULUS OF ELASTICITY E1	E2	E3	SHEAR MODULII G12	G13	G23
STEEL	0.00	0.290E+08	0.290E+08	0.290E+08	0.112E+08	0.112E+08	0.112E+08
CONC	0.00	0.360E+04	0.360E+04	0.360E+04	0.150E+04	0.150E+04	0.150E+04
OTHER	0.00	0.360E+04	0.360E+04	0.360E+04	0.150E+04	0.150E+04	0.150E+04
WOOD	0.00	0.140E+07	0.140E+07	0.140E+07	0.538E+06	0.538E+06	0.538E+06

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T E M P E R A T U R E D E P E N D E N T D A T A

THERMAL EXPANSION COEFFICIENTS

MAT LABEL	TEMP	COEFFICIENTS OF THERMAL EXPANSION A1	A2	A3	A12	A13	A23
STEEL	0.00	0.650E-02	0.650E-02	0.650E-02	0.000E+00	0.000E+00	0.000E+00
CONC	0.00	0.550E-05	0.550E-05	0.550E-05	0.000E+00	0.000E+00	0.000E+00
OTHER	0.00	0.550E-05	0.550E-05	0.550E-05	0.000E+00	0.000E+00	0.000E+00
WOOD	0.00	0.650E-05	0.650E-05	0.650E-05	0.000E+00	0.000E+00	0.000E+00

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T E M P E R A T U R E D E P E N D E N T D A T A

MATERIAL PROPERTIES

MAT LABEL	TEMP	POISSONS RATIO U12	U13	U23	U14	U24	U34	U15	U25	U35	U45	U16	U26	U36	U46	U56
STEEL	0.00	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CONC	0.00	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER	0.00	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WOOD	0.00	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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MATERIAL PROPERTIES

MAT LABEL	TEMP	YIELD FY
CONC	0.00	36.00

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	SHAPE TYPE	DEPTH	FLANGE WIDTH TOP	FLANGE THICK TOP	WEB THICK	FLANGE WIDTH BOTTOM	FLANGE THICK BOTTOM
4X4	R	3.500	3.500				
2X2X4	R	3.500	3.000				
4X6	R	5.500	3.500				
2X8	R	7.250	1.500				

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	AXIAL AREA	TORSIONAL CONSTANT	MOMENTS OF INERTIA I33	I22	SHEAR AREAS A2	A3
4X4	0.123E+02	0.211E+02	0.125E+02	0.125E+02	0.102E+02	0.102E+02
2X2X4	0.105E+02	0.153E+02	0.107E+02	0.788E+01	0.875E+01	0.875E+01
4X6	0.193E+02	0.475E+02	0.485E+02	0.197E+02	0.160E+02	0.160E+02
2X8	0.109E+02	0.709E+01	0.476E+02	0.204E+01	0.906E+01	0.906E+01

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	MAT LABEL	ADDITIONAL MASS PER LENGTH	ADDITIONAL WEIGHT PER LENGTH
4X4	WOOD	0.000E+00	0.000E+00
2X2X4	WOOD	0.000E+00	0.000E+00
4X6	WOOD	0.000E+00	0.000E+00
2X8	WOOD	0.000E+00	0.000E+00

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F R A M E E L E M E N T D A T A

ELEMENT LABEL	JOINT END-I	JOINT END-J	ELEMENT LENGTH	END-OFFSET-LENGTHS END-I	END-J	RIGID-END FACTOR	NUMBER OF SEGMENTS
1	D1	1FIL1	18.250	0.000	0.000	0.0000	2
2	1FIL1	F1	56.750	0.000	0.000	0.0000	2
3	F1	2FIL1	24.000	0.000	0.000	0.0000	2
4	2FIL1	H1	72.000	0.000	0.000	0.0000	2
5	H1	3FIL1	24.000	0.000	0.000	0.0000	2
6	3FIL1	J1	72.000	0.000	0.000	0.0000	2
7	J1	4FIL1	24.000	0.000	0.000	0.0000	2
8	4FIL1	L1	72.000	0.000	0.000	0.0000	2
9	L1	DE1	24.000	0.000	0.000	0.0000	2
10	DE1	M1	24.000	0.000	0.000	0.0000	2
11	M1	5FIL1	9.437	0.000	0.000	0.0000	2
12	5FIL1	O1	68.563	0.000	0.000	0.0000	2
13	O1	P1	21.000	0.000	0.000	0.0000	2
14	D1	F2	103.966	0.000	0.000	0.0000	2
15	F1	F2	72.000	0.000	0.000	0.0000	4
16	H1	H2	72.000	0.000	0.000	0.0000	4
17	J1	J2	72.000	0.000	0.000	0.0000	4
18	L1	L2	72.000	0.000	0.000	0.0000	4
19	M1	M2	72.000	0.000	0.000	0.0000	4
20	O1	M2	106.151	0.000	0.000	0.0000	2
21	P1	P2	72.000	0.000	0.000	0.0000	4
22	A2	B2	60.500	0.000	0.000	0.0000	2
23	B2	C2	62.000	0.000	0.000	0.0000	2
24	C2	1FIL2	39.750	0.000	0.000	0.0000	2
25	1FIL2	F2	56.750	0.000	0.000	0.0000	2
26	F2	2FIL2	24.000	0.000	0.000	0.0000	2

27	2FIL2	H2	72.000	0.000	0.000	0.0000	2
28	H2	3FIL2	24.000	0.000	0.000	0.0000	2
29	3FIL2	J2	72.000	0.000	0.000	0.0000	2
30	J2	4FIL2	24.000	0.000	0.000	0.0000	2
31	4FIL2	L2	72.000	0.000	0.000	0.0000	2
32	L2	DE2	24.000	0.000	0.000	0.0000	2
33	DE2	M2	24.000	0.000	0.000	0.0000	2
34	M2	5FIL2	9.437	0.000	0.000	0.0000	2
35	5FIL2	P2	89.563	0.000	0.000	0.0000	2
36	B2	B3	72.000	0.000	0.000	0.0000	4
37	C2	C3	72.000	0.000	0.000	0.0000	4
38	F2	F3	72.000	0.000	0.000	0.0000	4
39	F2	H3	120.000	0.000	0.000	0.0000	2
40	H2	H3	72.000	0.000	0.000	0.0000	4
41	J2	J3	72.000	0.000	0.000	0.0000	4
42	L2	L3	72.000	0.000	0.000	0.0000	4
43	M2	L3	86.533	0.000	0.000	0.0000	2
44	M2	M3	72.000	0.000	0.000	0.0000	4
45	P2	P3	72.000	0.000	0.000	0.0000	4
46	A3	B3	60.500	0.000	0.000	0.0000	2
47	B3	C3	62.000	0.000	0.000	0.0000	2
48	C3	1FIL3	39.750	0.000	0.000	0.0000	2
49	1FIL3	F3	56.750	0.000	0.000	0.0000	2
50	F3	2FIL3	24.000	0.000	0.000	0.0000	2
51	2FIL3	H3	72.000	0.000	0.000	0.0000	2
52	H3	3FIL3	24.000	0.000	0.000	0.0000	2
53	3FIL3	J3	72.000	0.000	0.000	0.0000	2
54	J3	4FIL3	24.000	0.000	0.000	0.0000	2
55	4FIL3	L3	72.000	0.000	0.000	0.0000	2
56	L3	DE3	24.000	0.000	0.000	0.0000	2
57	DE3	M3	24.000	0.000	0.000	0.0000	2
58	M3	5FIL3	9.437	0.000	0.000	0.0000	2
59	5FIL3	P3	89.563	0.000	0.000	0.0000	2
60	B3	B4	72.000	0.000	0.000	0.0000	4
61	C3	C4	72.000	0.000	0.000	0.0000	4
62	F3	F4	72.000	0.000	0.000	0.0000	4
63	H3	H4	72.000	0.000	0.000	0.0000	4
64	H3	J4	120.000	0.000	0.000	0.0000	2
65	J3	J4	72.000	0.000	0.000	0.0000	4
66	L3	J4	120.000	0.000	0.000	0.0000	2
67	L3	L4	72.000	0.000	0.000	0.0000	4
68	M3	M4	72.000	0.000	0.000	0.0000	4
69	P3	P4	72.000	0.000	0.000	0.0000	4
70	A4	B4	60.500	0.000	0.000	0.0000	2
71	B4	C4	62.000	0.000	0.000	0.0000	2
72	C4	1FIL4	39.750	0.000	0.000	0.0000	2
73	1FIL4	F4	56.750	0.000	0.000	0.0000	2
74	F4	2FIL4	24.000	0.000	0.000	0.0000	2
75	2FIL4	H4	72.000	0.000	0.000	0.0000	2
76	H4	3FIL4	24.000	0.000	0.000	0.0000	2
77	3FIL4	J4	72.000	0.000	0.000	0.0000	2
78	J4	4FIL4	24.000	0.000	0.000	0.0000	2
79	4FIL4	L4	72.000	0.000	0.000	0.0000	2
80	L4	DE4	24.000	0.000	0.000	0.0000	2
81	DE4	M4	24.000	0.000	0.000	0.0000	2
82	M4	5FIL4	9.437	0.000	0.000	0.0000	2
83	5FIL4	P4	89.563	0.000	0.000	0.0000	2
84	B4	B5	72.000	0.000	0.000	0.0000	4
85	C4	C5	72.000	0.000	0.000	0.0000	4
86	F4	F5	72.000	0.000	0.000	0.0000	4
87	H4	H5	72.000	0.000	0.000	0.0000	4
88	J4	H5	120.000	0.000	0.000	0.0000	2
89	J4	J5	72.000	0.000	0.000	0.0000	4

90	J4	L5	120.000	0.000	0.000	0.0000	2
91	L4	L5	72.000	0.000	0.000	0.0000	4
92	M4	M5	72.000	0.000	0.000	0.0000	4
93	P4	P5	72.000	0.000	0.000	0.0000	4
94	A5	B5	60.500	0.000	0.000	0.0000	2
95	B5	C5	62.000	0.000	0.000	0.0000	2
96	C5	1FIL5	39.750	0.000	0.000	0.0000	2
97	1FIL5	F5	56.750	0.000	0.000	0.0000	2
98	F5	2FIL5	24.000	0.000	0.000	0.0000	2
99	2FIL5	H5	72.000	0.000	0.000	0.0000	2
100	H5	3FIL5	24.000	0.000	0.000	0.0000	2
101	3FIL5	J5	72.000	0.000	0.000	0.0000	2
102	J5	4FIL5	24.000	0.000	0.000	0.0000	2
103	4FIL5	L5	72.000	0.000	0.000	0.0000	2
104	L5	DE5	24.000	0.000	0.000	0.0000	2
105	DE5	M5	24.000	0.000	0.000	0.0000	2
106	M5	5FIL5	9.437	0.000	0.000	0.0000	2
107	5FIL5	P5	89.563	0.000	0.000	0.0000	2
108	B5	B6	72.000	0.000	0.000	0.0000	4
109	C5	C6	72.000	0.000	0.000	0.0000	4
110	F5	F6	72.000	0.000	0.000	0.0000	4
111	H5	F6	120.000	0.000	0.000	0.0000	2
112	H5	H6	72.000	0.000	0.000	0.0000	4
113	J5	J6	72.000	0.000	0.000	0.0000	4
114	L5	L6	72.000	0.000	0.000	0.0000	4
115	L5	M6	86.533	0.000	0.000	0.0000	2
116	M5	M6	72.000	0.000	0.000	0.0000	4
117	P5	P6	72.000	0.000	0.000	0.0000	4
118	A6	B6	60.500	0.000	0.000	0.0000	2
119	B6	C6	62.000	0.000	0.000	0.0000	2
120	C6	1FIL6	39.750	0.000	0.000	0.0000	2
121	1FIL6	F6	56.750	0.000	0.000	0.0000	2
122	F6	2FIL6	24.000	0.000	0.000	0.0000	2
123	2FIL6	H6	72.000	0.000	0.000	0.0000	2
124	H6	3FIL6	24.000	0.000	0.000	0.0000	2
125	3FIL6	J6	72.000	0.000	0.000	0.0000	2
126	J6	4FIL6	24.000	0.000	0.000	0.0000	2
127	4FIL6	L6	72.000	0.000	0.000	0.0000	2
128	L6	DE6	24.000	0.000	0.000	0.0000	2
129	DE6	M6	24.000	0.000	0.000	0.0000	2
130	M6	5FIL6	9.437	0.000	0.000	0.0000	2
131	5FIL6	P6	89.563	0.000	0.000	0.0000	2
132	B6	B7	72.000	0.000	0.000	0.0000	4
133	C6	C7	72.000	0.000	0.000	0.0000	4
134	F6	C7	120.400	0.000	0.000	0.0000	2
135	F6	F7	72.000	0.000	0.000	0.0000	4
136	H6	H7	72.000	0.000	0.000	0.0000	4
137	J6	J7	72.000	0.000	0.000	0.0000	4
138	L6	L7	72.000	0.000	0.000	0.0000	4
139	M6	M7	72.000	0.000	0.000	0.0000	4
140	M6	O7	106.151	0.000	0.000	0.0000	2
141	P6	P7	72.000	0.000	0.000	0.0000	4
142	A7	B7	60.500	0.000	0.000	0.0000	2
143	B7	C7	62.000	0.000	0.000	0.0000	2
144	C7	1FIL7	39.750	0.000	0.000	0.0000	2
145	1FIL7	F7	56.750	0.000	0.000	0.0000	2
146	F7	2FIL7	24.000	0.000	0.000	0.0000	2
147	2FIL7	H7	72.000	0.000	0.000	0.0000	2
148	H7	3FIL7	24.000	0.000	0.000	0.0000	2
149	3FIL7	J7	72.000	0.000	0.000	0.0000	2
150	J7	4FIL7	24.000	0.000	0.000	0.0000	2
151	4FIL7	L7	72.000	0.000	0.000	0.0000	2
152	L7	DE7	24.000	0.000	0.000	0.0000	2

153	DE7	M7	24.000	0.000	0.000	0.0000	2
154	M7	5FIL7	9.437	0.000	0.000	0.0000	2
155	5FIL7	O7	68.563	0.000	0.000	0.0000	2
156	O7	P7	21.000	0.000	0.000	0.0000	2
157	A7	B8	94.044	0.000	0.000	0.0000	2
158	B7	B8	72.000	0.000	0.000	0.0000	4
159	C7	B8	95.016	0.000	0.000	0.0000	2
160	C7	C8	72.000	0.000	0.000	0.0000	4
161	F7	F8	72.000	0.000	0.000	0.0000	4
162	H7	H8	72.000	0.000	0.000	0.0000	4
163	J7	J8	72.000	0.000	0.000	0.0000	4
164	L7	L8	72.000	0.000	0.000	0.0000	4
165	M7	M8	72.000	0.000	0.000	0.0000	4
166	O7	M8	106.151	0.000	0.000	0.0000	2
167	P7	P8	72.000	0.000	0.000	0.0000	4
168	A8	B8	60.500	0.000	0.000	0.0000	2
169	B8	C8	62.000	0.000	0.000	0.0000	2
170	C8	1FIL8	39.750	0.000	0.000	0.0000	2
171	1FIL8	F8	56.750	0.000	0.000	0.0000	2
172	F8	2FIL8	24.000	0.000	0.000	0.0000	2
173	2FIL8	H8	72.000	0.000	0.000	0.0000	2
174	H8	3FIL8	24.000	0.000	0.000	0.0000	2
175	3FIL8	J8	72.000	0.000	0.000	0.0000	2
176	J8	4FIL8	24.000	0.000	0.000	0.0000	2
177	4FIL8	L8	72.000	0.000	0.000	0.0000	2
178	L8	DE8	24.000	0.000	0.000	0.0000	2
179	DE8	M8	24.000	0.000	0.000	0.0000	2
180	M8	5FIL8	9.437	0.000	0.000	0.0000	2
181	5FIL8	P8	89.563	0.000	0.000	0.0000	2
182	B8	A9	94.044	0.000	0.000	0.0000	2
183	B8	B9	72.000	0.000	0.000	0.0000	4
184	B8	C9	95.016	0.000	0.000	0.0000	2
185	C8	C9	72.000	0.000	0.000	0.0000	4
186	F8	F9	72.000	0.000	0.000	0.0000	4
187	H8	H9	72.000	0.000	0.000	0.0000	4
188	J8	J9	72.000	0.000	0.000	0.0000	4
189	L8	L9	72.000	0.000	0.000	0.0000	4
190	M8	L9	86.533	0.000	0.000	0.0000	2
191	M8	M9	72.000	0.000	0.000	0.0000	4
192	P8	P9	72.000	0.000	0.000	0.0000	4
193	A9	B9	60.500	0.000	0.000	0.0000	2
194	B9	C9	62.000	0.000	0.000	0.0000	2
195	C9	1FIL9	39.750	0.000	0.000	0.0000	2
196	1FIL9	F9	56.750	0.000	0.000	0.0000	2
197	F9	2FIL9	24.000	0.000	0.000	0.0000	2
198	2FIL9	H9	72.000	0.000	0.000	0.0000	2
199	H9	3FIL9	24.000	0.000	0.000	0.0000	2
200	3FIL9	J9	72.000	0.000	0.000	0.0000	2
201	J9	4FIL9	24.000	0.000	0.000	0.0000	2
202	4FIL9	L9	72.000	0.000	0.000	0.0000	2
203	L9	DE9	24.000	0.000	0.000	0.0000	2
204	DE9	M9	24.000	0.000	0.000	0.0000	2
205	M9	5FIL9	9.437	0.000	0.000	0.0000	2
206	5FIL9	P9	89.563	0.000	0.000	0.0000	2
207	B9	B10	72.000	0.000	0.000	0.0000	4
208	C9	C10	72.000	0.000	0.000	0.0000	4
209	C9	F10	120.400	0.000	0.000	0.0000	2
210	F9	F10	72.000	0.000	0.000	0.0000	4
211	H9	H10	72.000	0.000	0.000	0.0000	4
212	J9	J10	72.000	0.000	0.000	0.0000	4
213	L9	J10	120.000	0.000	0.000	0.0000	2
214	L9	L10	72.000	0.000	0.000	0.0000	4
215	M9	M10	72.000	0.000	0.000	0.0000	4

216	P9	P10	72.000	0.000	0.000	0.0000	4
217	A10	B10	60.500	0.000	0.000	0.0000	2
218	B10	C10	62.000	0.000	0.000	0.0000	2
219	C10	1FIL10	39.750	0.000	0.000	0.0000	2
220	1FIL10	F10	56.750	0.000	0.000	0.0000	2
221	F10	2FIL10	24.000	0.000	0.000	0.0000	2
222	2FIL10	H10	72.000	0.000	0.000	0.0000	2
223	H10	3FIL10	24.000	0.000	0.000	0.0000	2
224	3FIL10	J10	72.000	0.000	0.000	0.0000	2
225	J10	4FIL10	24.000	0.000	0.000	0.0000	2
226	4FIL10	L10	72.000	0.000	0.000	0.0000	2
227	L10	DE10	24.000	0.000	0.000	0.0000	2
228	DE10	M10	24.000	0.000	0.000	0.0000	2
229	M10	5FIL10	9.437	0.000	0.000	0.0000	2
230	5FIL10	P10	89.563	0.000	0.000	0.0000	2
231	B10	B11	72.000	0.000	0.000	0.0000	4
232	C10	C11	72.000	0.000	0.000	0.0000	4
233	F10	F11	72.000	0.000	0.000	0.0000	4
234	F10	H11	120.000	0.000	0.000	0.0000	2
235	H10	H11	72.000	0.000	0.000	0.0000	4
236	J10	H11	120.000	0.000	0.000	0.0000	2
237	J10	J11	72.000	0.000	0.000	0.0000	4
238	L10	L11	72.000	0.000	0.000	0.0000	4
239	M10	M11	72.000	0.000	0.000	0.0000	4
240	P10	P11	72.000	0.000	0.000	0.0000	4
241	A11	B11	60.500	0.000	0.000	0.0000	2
242	B11	C11	62.000	0.000	0.000	0.0000	2
243	C11	1FIL11	39.750	0.000	0.000	0.0000	2
244	1FIL11	F11	56.750	0.000	0.000	0.0000	2
245	F11	2FIL11	24.000	0.000	0.000	0.0000	2
246	2FIL11	H11	72.000	0.000	0.000	0.0000	2
247	H11	3FIL11	24.000	0.000	0.000	0.0000	2
248	3FIL11	J11	72.000	0.000	0.000	0.0000	2
249	J11	4FIL11	24.000	0.000	0.000	0.0000	2
250	4FIL11	L11	72.000	0.000	0.000	0.0000	2
251	L11	DE11	24.000	0.000	0.000	0.0000	2
252	DE11	M11	24.000	0.000	0.000	0.0000	2
253	M11	5FIL11	9.437	0.000	0.000	0.0000	2
254	5FIL11	P11	89.563	0.000	0.000	0.0000	2
255	B11	B12	72.000	0.000	0.000	0.0000	4
256	C11	C12	72.000	0.000	0.000	0.0000	4
257	F11	F12	72.000	0.000	0.000	0.0000	4
258	H11	F12	120.000	0.000	0.000	0.0000	2
259	H11	H12	72.000	0.000	0.000	0.0000	4
260	H11	J12	120.000	0.000	0.000	0.0000	2
261	J11	J12	72.000	0.000	0.000	0.0000	4
262	L11	L12	72.000	0.000	0.000	0.0000	4
263	M11	M12	72.000	0.000	0.000	0.0000	4
264	P11	P12	72.000	0.000	0.000	0.0000	4
265	A12	B12	60.500	0.000	0.000	0.0000	2
266	B12	C12	62.000	0.000	0.000	0.0000	2
267	C12	1FIL12	39.750	0.000	0.000	0.0000	2
268	1FIL12	F12	56.750	0.000	0.000	0.0000	2
269	F12	2FIL12	24.000	0.000	0.000	0.0000	2
270	2FIL12	H12	72.000	0.000	0.000	0.0000	2
271	H12	3FIL12	24.000	0.000	0.000	0.0000	2
272	3FIL12	J12	72.000	0.000	0.000	0.0000	2
273	J12	4FIL12	24.000	0.000	0.000	0.0000	2
274	4FIL12	L12	72.000	0.000	0.000	0.0000	2
275	L12	DE12	24.000	0.000	0.000	0.0000	2
276	DE12	M12	24.000	0.000	0.000	0.0000	2
277	M12	5FIL12	9.437	0.000	0.000	0.0000	2
278	5FIL12	P12	89.563	0.000	0.000	0.0000	2

279	B12	B13	72.000	0.000	0.000	0.0000	4
280	C12	C13	72.000	0.000	0.000	0.0000	4
281	F12	C13	120.400	0.000	0.000	0.0000	2
282	F12	F13	72.000	0.000	0.000	0.0000	4
283	H12	H13	72.000	0.000	0.000	0.0000	4
284	J12	J13	72.000	0.000	0.000	0.0000	4
285	J12	L13	120.000	0.000	0.000	0.0000	2
286	L12	L13	72.000	0.000	0.000	0.0000	4
287	M12	M13	72.000	0.000	0.000	0.0000	4
288	P12	P13	72.000	0.000	0.000	0.0000	4
289	A13	B13	60.500	0.000	0.000	0.0000	2
290	B13	C13	62.000	0.000	0.000	0.0000	2
291	C13	1FIL13	39.750	0.000	0.000	0.0000	2
292	1FIL13	F13	56.750	0.000	0.000	0.0000	2
293	F13	2FIL13	24.000	0.000	0.000	0.0000	2
294	2FIL13	H13	72.000	0.000	0.000	0.0000	2
295	H13	3FIL13	24.000	0.000	0.000	0.0000	2
296	3FIL13	J13	72.000	0.000	0.000	0.0000	2
297	J13	4FIL13	24.000	0.000	0.000	0.0000	2
298	4FIL13	L13	72.000	0.000	0.000	0.0000	2
299	L13	DE13	24.000	0.000	0.000	0.0000	2
300	DE13	M13	24.000	0.000	0.000	0.0000	2
301	M13	5FIL13	9.437	0.000	0.000	0.0000	2
302	5FIL13	P13	89.563	0.000	0.000	0.0000	2
303	B13	B14	72.000	0.000	0.000	0.0000	4
304	C13	B14	95.016	0.000	0.000	0.0000	2
305	C13	C14	72.000	0.000	0.000	0.0000	4
306	F13	F14	72.000	0.000	0.000	0.0000	4
307	H13	H14	72.000	0.000	0.000	0.0000	4
308	J13	J14	72.000	0.000	0.000	0.0000	4
309	L13	L14	72.000	0.000	0.000	0.0000	4
310	L13	M14	86.533	0.000	0.000	0.0000	2
311	M13	M14	72.000	0.000	0.000	0.0000	4
312	P13	P14	72.000	0.000	0.000	0.0000	4
313	A14	B14	60.500	0.000	0.000	0.0000	2
314	B14	C14	62.000	0.000	0.000	0.0000	2
315	C14	1FIL14	39.750	0.000	0.000	0.0000	2
316	1FIL14	F14	56.750	0.000	0.000	0.0000	2
317	F14	2FIL14	24.000	0.000	0.000	0.0000	2
318	2FIL14	H14	72.000	0.000	0.000	0.0000	2
319	H14	3FIL14	24.000	0.000	0.000	0.0000	2
320	3FIL14	J14	72.000	0.000	0.000	0.0000	2
321	J14	4FIL14	24.000	0.000	0.000	0.0000	2
322	4FIL14	L14	72.000	0.000	0.000	0.0000	2
323	L14	DE14	24.000	0.000	0.000	0.0000	2
324	DE14	M14	24.000	0.000	0.000	0.0000	2
325	M14	5FIL14	9.437	0.000	0.000	0.0000	2
326	5FIL14	P14	89.563	0.000	0.000	0.0000	2
327	B14	A15	94.044	0.000	0.000	0.0000	2
328	B14	B15	72.000	0.000	0.000	0.0000	4
329	C14	C15	72.000	0.000	0.000	0.0000	4
330	F14	F15	72.000	0.000	0.000	0.0000	4
331	H14	H15	72.000	0.000	0.000	0.0000	4
332	J14	J15	72.000	0.000	0.000	0.0000	4
333	L14	L15	72.000	0.000	0.000	0.0000	4
334	M14	M15	72.000	0.000	0.000	0.0000	4
335	M14	O15	106.151	0.000	0.000	0.0000	2
336	P14	P15	72.000	0.000	0.000	0.0000	4
337	A15	B15	60.500	0.000	0.000	0.0000	2
338	B15	C15	62.000	0.000	0.000	0.0000	2
339	C15	1FIL15	39.750	0.000	0.000	0.0000	2
340	1FIL15	F15	56.750	0.000	0.000	0.0000	2
341	F15	2FIL15	24.000	0.000	0.000	0.0000	2

342	2FIL15	H15	72.000	0.000	0.000	0.0000	2
343	H15	3FIL15	24.000	0.000	0.000	0.0000	2
344	3FIL15	J15	72.000	0.000	0.000	0.0000	2
345	J15	4FIL15	24.000	0.000	0.000	0.0000	2
346	4FIL15	L15	72.000	0.000	0.000	0.0000	2
347	L15	DE15	24.000	0.000	0.000	0.0000	2
348	DE15	M15	24.000	0.000	0.000	0.0000	2
349	M15	5FIL15	9.437	0.000	0.000	0.0000	2
350	5FIL15	O15	68.563	0.000	0.000	0.0000	2
351	O15	P15	21.000	0.000	0.000	0.0000	2

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F R A M E E L E M E N T D A T A

ELEMENT LABEL	SECTION LABEL	LOCAL PLANE	COORD SYSTEM	PLN 1ST	PLN 2ND	PLANE JOINTA	PLANE JOINTB	COORD ANGLE
1	4X4	12	0	+Z	+X	0	0	0.00
2	4X4	12	0	+Z	+X	0	0	0.00
3	4X4	12	0	+Z	+X	0	0	0.00
4	4X4	12	0	+Z	+X	0	0	0.00
5	4X4	12	0	+Z	+X	0	0	0.00
6	4X4	12	0	+Z	+X	0	0	0.00
7	4X4	12	0	+Z	+X	0	0	0.00
8	4X4	12	0	+Z	+X	0	0	0.00
9	4X4	12	0	+Z	+X	0	0	0.00
10	4X4	12	0	+Z	+X	0	0	0.00
11	4X4	12	0	+Z	+X	0	0	0.00
12	4X4	12	0	+Z	+X	0	0	0.00
13	4X4	12	0	+Z	+X	0	0	0.00
14	4X4	12	0	+Z	+X	0	0	0.00
15	2X2X4	12	0	+Z	+X	0	0	0.00
16	2X2X4	12	0	+Z	+X	0	0	0.00
17	2X2X4	12	0	+Z	+X	0	0	0.00
18	2X2X4	12	0	+Z	+X	0	0	0.00
19	2X2X4	12	0	+Z	+X	0	0	0.00
20	4X4	12	0	+Z	+X	0	0	0.00
21	2X8	12	0	+Z	+X	0	0	0.00
22	4X4	12	0	+Z	+X	0	0	0.00
23	4X4	12	0	+Z	+X	0	0	0.00
24	4X4	12	0	+Z	+X	0	0	0.00
25	4X4	12	0	+Z	+X	0	0	0.00
26	4X4	12	0	+Z	+X	0	0	0.00
27	4X4	12	0	+Z	+X	0	0	0.00
28	4X4	12	0	+Z	+X	0	0	0.00
29	4X4	12	0	+Z	+X	0	0	0.00
30	4X4	12	0	+Z	+X	0	0	0.00
31	4X4	12	0	+Z	+X	0	0	0.00
32	4X4	12	0	+Z	+X	0	0	0.00
33	4X4	12	0	+Z	+X	0	0	0.00
34	4X4	12	0	+Z	+X	0	0	0.00
35	4X4	12	0	+Z	+X	0	0	0.00
36	2X2X4	12	0	+Z	+X	0	0	0.00
37	2X2X4	12	0	+Z	+X	0	0	0.00
38	2X2X4	12	0	+Z	+X	0	0	0.00
39	4X4	12	0	+Z	+X	0	0	0.00
40	2X2X4	12	0	+Z	+X	0	0	0.00
41	2X2X4	12	0	+Z	+X	0	0	0.00
42	2X2X4	12	0	+Z	+X	0	0	0.00

43	4X4	12	0	+Z	+X	0	0	0.00
44	2X2X4	12	0	+Z	+X	0	0	0.00
45	2X8	12	0	+Z	+X	0	0	0.00
46	4X4	12	0	+Z	+X	0	0	0.00
47	4X4	12	0	+Z	+X	0	0	0.00
48	4X4	12	0	+Z	+X	0	0	0.00
49	4X4	12	0	+Z	+X	0	0	0.00
50	4X4	12	0	+Z	+X	0	0	0.00
51	4X4	12	0	+Z	+X	0	0	0.00
52	4X4	12	0	+Z	+X	0	0	0.00
53	4X4	12	0	+Z	+X	0	0	0.00
54	4X4	12	0	+Z	+X	0	0	0.00
55	4X4	12	0	+Z	+X	0	0	0.00
56	4X4	12	0	+Z	+X	0	0	0.00
57	4X4	12	0	+Z	+X	0	0	0.00
58	4X4	12	0	+Z	+X	0	0	0.00
59	4X4	12	0	+Z	+X	0	0	0.00
60	2X2X4	12	0	+Z	+X	0	0	0.00
61	2X2X4	12	0	+Z	+X	0	0	0.00
62	2X2X4	12	0	+Z	+X	0	0	0.00
63	2X2X4	12	0	+Z	+X	0	0	0.00
64	4X4	12	0	+Z	+X	0	0	0.00
65	2X2X4	12	0	+Z	+X	0	0	0.00
66	4X4	12	0	+Z	+X	0	0	0.00
67	2X2X4	12	0	+Z	+X	0	0	0.00
68	2X2X4	12	0	+Z	+X	0	0	0.00
69	2X8	12	0	+Z	+X	0	0	0.00
70	4X4	12	0	+Z	+X	0	0	0.00
71	4X4	12	0	+Z	+X	0	0	0.00
72	4X4	12	0	+Z	+X	0	0	0.00
73	4X4	12	0	+Z	+X	0	0	0.00
74	4X4	12	0	+Z	+X	0	0	0.00
75	4X4	12	0	+Z	+X	0	0	0.00
76	4X4	12	0	+Z	+X	0	0	0.00
77	4X4	12	0	+Z	+X	0	0	0.00
78	4X4	12	0	+Z	+X	0	0	0.00
79	4X4	12	0	+Z	+X	0	0	0.00
80	4X4	12	0	+Z	+X	0	0	0.00
81	4X4	12	0	+Z	+X	0	0	0.00
82	4X4	12	0	+Z	+X	0	0	0.00
83	4X4	12	0	+Z	+X	0	0	0.00
84	2X2X4	12	0	+Z	+X	0	0	0.00
85	2X2X4	12	0	+Z	+X	0	0	0.00
86	2X2X4	12	0	+Z	+X	0	0	0.00
87	2X2X4	12	0	+Z	+X	0	0	0.00
88	4X4	12	0	+Z	+X	0	0	0.00
89	2X2X4	12	0	+Z	+X	0	0	0.00
90	4X4	12	0	+Z	+X	0	0	0.00
91	2X2X4	12	0	+Z	+X	0	0	0.00
92	2X2X4	12	0	+Z	+X	0	0	0.00
93	2X8	12	0	+Z	+X	0	0	0.00
94	4X4	12	0	+Z	+X	0	0	0.00
95	4X4	12	0	+Z	+X	0	0	0.00
96	4X4	12	0	+Z	+X	0	0	0.00
97	4X4	12	0	+Z	+X	0	0	0.00
98	4X4	12	0	+Z	+X	0	0	0.00
99	4X4	12	0	+Z	+X	0	0	0.00
100	4X4	12	0	+Z	+X	0	0	0.00
101	4X4	12	0	+Z	+X	0	0	0.00
102	4X4	12	0	+Z	+X	0	0	0.00
103	4X4	12	0	+Z	+X	0	0	0.00
104	4X4	12	0	+Z	+X	0	0	0.00
105	4X4	12	0	+Z	+X	0	0	0.00

106	4X4	12	0	+Z	+X	0	0	0.00
107	4X4	12	0	+Z	+X	0	0	0.00
108	2X2X4	12	0	+Z	+X	0	0	0.00
109	2X2X4	12	0	+Z	+X	0	0	0.00
110	2X2X4	12	0	+Z	+X	0	0	0.00
111	4X4	12	0	+Z	+X	0	0	0.00
112	2X2X4	12	0	+Z	+X	0	0	0.00
113	2X2X4	12	0	+Z	+X	0	0	0.00
114	2X2X4	12	0	+Z	+X	0	0	0.00
115	4X4	12	0	+Z	+X	0	0	0.00
116	2X2X4	12	0	+Z	+X	0	0	0.00
117	2X8	12	0	+Z	+X	0	0	0.00
118	4X4	12	0	+Z	+X	0	0	0.00
119	4X4	12	0	+Z	+X	0	0	0.00
120	4X4	12	0	+Z	+X	0	0	0.00
121	4X4	12	0	+Z	+X	0	0	0.00
122	4X4	12	0	+Z	+X	0	0	0.00
123	4X4	12	0	+Z	+X	0	0	0.00
124	4X4	12	0	+Z	+X	0	0	0.00
125	4X4	12	0	+Z	+X	0	0	0.00
126	4X4	12	0	+Z	+X	0	0	0.00
127	4X4	12	0	+Z	+X	0	0	0.00
128	4X4	12	0	+Z	+X	0	0	0.00
129	4X4	12	0	+Z	+X	0	0	0.00
130	4X4	12	0	+Z	+X	0	0	0.00
131	4X4	12	0	+Z	+X	0	0	0.00
132	2X2X4	12	0	+Z	+X	0	0	0.00
133	2X2X4	12	0	+Z	+X	0	0	0.00
134	4X6	12	0	+Z	+X	0	0	0.00
135	2X2X4	12	0	+Z	+X	0	0	0.00
136	2X2X4	12	0	+Z	+X	0	0	0.00
137	2X2X4	12	0	+Z	+X	0	0	0.00
138	2X2X4	12	0	+Z	+X	0	0	0.00
139	2X2X4	12	0	+Z	+X	0	0	0.00
140	4X4	12	0	+Z	+X	0	0	0.00
141	2X8	12	0	+Z	+X	0	0	0.00
142	4X4	12	0	+Z	+X	0	0	0.00
143	4X4	12	0	+Z	+X	0	0	0.00
144	4X4	12	0	+Z	+X	0	0	0.00
145	4X4	12	0	+Z	+X	0	0	0.00
146	4X4	12	0	+Z	+X	0	0	0.00
147	4X4	12	0	+Z	+X	0	0	0.00
148	4X4	12	0	+Z	+X	0	0	0.00
149	4X4	12	0	+Z	+X	0	0	0.00
150	4X4	12	0	+Z	+X	0	0	0.00
151	4X4	12	0	+Z	+X	0	0	0.00
152	4X4	12	0	+Z	+X	0	0	0.00
153	4X4	12	0	+Z	+X	0	0	0.00
154	4X4	12	0	+Z	+X	0	0	0.00
155	4X4	12	0	+Z	+X	0	0	0.00
156	4X4	12	0	+Z	+X	0	0	0.00
157	4X4	12	0	+Z	+X	0	0	0.00
158	2X2X4	12	0	+Z	+X	0	0	0.00
159	4X4	12	0	+Z	+X	0	0	0.00
160	2X2X4	12	0	+Z	+X	0	0	0.00
161	2X2X4	12	0	+Z	+X	0	0	0.00
162	2X2X4	12	0	+Z	+X	0	0	0.00
163	2X2X4	12	0	+Z	+X	0	0	0.00
164	2X2X4	12	0	+Z	+X	0	0	0.00
165	2X2X4	12	0	+Z	+X	0	0	0.00
166	4X4	12	0	+Z	+X	0	0	0.00
167	2X8	12	0	+Z	+X	0	0	0.00
168	4X4	12	0	+Z	+X	0	0	0.00

169	4X4	12	0	+Z	+X	0	0	0.00
170	4X4	12	0	+Z	+X	0	0	0.00
171	4X4	12	0	+Z	+X	0	0	0.00
172	4X4	12	0	+Z	+X	0	0	0.00
173	4X4	12	0	+Z	+X	0	0	0.00
174	4X4	12	0	+Z	+X	0	0	0.00
175	4X4	12	0	+Z	+X	0	0	0.00
176	4X4	12	0	+Z	+X	0	0	0.00
177	4X4	12	0	+Z	+X	0	0	0.00
178	4X4	12	0	+Z	+X	0	0	0.00
179	4X4	12	0	+Z	+X	0	0	0.00
180	4X4	12	0	+Z	+X	0	0	0.00
181	4X4	12	0	+Z	+X	0	0	0.00
182	4X4	12	0	+Z	+X	0	0	0.00
183	2X2X4	12	0	+Z	+X	0	0	0.00
184	4X4	12	0	+Z	+X	0	0	0.00
185	2X2X4	12	0	+Z	+X	0	0	0.00
186	2X2X4	12	0	+Z	+X	0	0	0.00
187	2X2X4	12	0	+Z	+X	0	0	0.00
188	2X2X4	12	0	+Z	+X	0	0	0.00
189	2X2X4	12	0	+Z	+X	0	0	0.00
190	4X4	12	0	+Z	+X	0	0	0.00
191	2X2X4	12	0	+Z	+X	0	0	0.00
192	2X8	12	0	+Z	+X	0	0	0.00
193	4X4	12	0	+Z	+X	0	0	0.00
194	4X4	12	0	+Z	+X	0	0	0.00
195	4X4	12	0	+Z	+X	0	0	0.00
196	4X4	12	0	+Z	+X	0	0	0.00
197	4X4	12	0	+Z	+X	0	0	0.00
198	4X4	12	0	+Z	+X	0	0	0.00
199	4X4	12	0	+Z	+X	0	0	0.00
200	4X4	12	0	+Z	+X	0	0	0.00
201	4X4	12	0	+Z	+X	0	0	0.00
202	4X4	12	0	+Z	+X	0	0	0.00
203	4X4	12	0	+Z	+X	0	0	0.00
204	4X4	12	0	+Z	+X	0	0	0.00
205	4X4	12	0	+Z	+X	0	0	0.00
206	4X4	12	0	+Z	+X	0	0	0.00
207	2X2X4	12	0	+Z	+X	0	0	0.00
208	2X2X4	12	0	+Z	+X	0	0	0.00
209	4X6	12	0	+Z	+X	0	0	0.00
210	2X2X4	12	0	+Z	+X	0	0	0.00
211	2X2X4	12	0	+Z	+X	0	0	0.00
212	2X2X4	12	0	+Z	+X	0	0	0.00
213	4X4	12	0	+Z	+X	0	0	0.00
214	2X2X4	12	0	+Z	+X	0	0	0.00
215	2X2X4	12	0	+Z	+X	0	0	0.00
216	2X8	12	0	+Z	+X	0	0	0.00
217	4X4	12	0	+Z	+X	0	0	0.00
218	4X4	12	0	+Z	+X	0	0	0.00
219	4X4	12	0	+Z	+X	0	0	0.00
220	4X4	12	0	+Z	+X	0	0	0.00
221	4X4	12	0	+Z	+X	0	0	0.00
222	4X4	12	0	+Z	+X	0	0	0.00
223	4X4	12	0	+Z	+X	0	0	0.00
224	4X4	12	0	+Z	+X	0	0	0.00
225	4X4	12	0	+Z	+X	0	0	0.00
226	4X4	12	0	+Z	+X	0	0	0.00
227	4X4	12	0	+Z	+X	0	0	0.00
228	4X4	12	0	+Z	+X	0	0	0.00
229	4X4	12	0	+Z	+X	0	0	0.00
230	4X4	12	0	+Z	+X	0	0	0.00
231	2X2X4	12	0	+Z	+X	0	0	0.00

232	2X2X4	12	0	+Z	+X	0	0	0.00
233	2X2X4	12	0	+Z	+X	0	0	0.00
234	4X4	12	0	+Z	+X	0	0	0.00
235	2X2X4	12	0	+Z	+X	0	0	0.00
236	4X4	12	0	+Z	+X	0	0	0.00
237	2X2X4	12	0	+Z	+X	0	0	0.00
238	2X2X4	12	0	+Z	+X	0	0	0.00
239	2X2X4	12	0	+Z	+X	0	0	0.00
240	2X8	12	0	+Z	+X	0	0	0.00
241	4X4	12	0	+Z	+X	0	0	0.00
242	4X4	12	0	+Z	+X	0	0	0.00
243	4X4	12	0	+Z	+X	0	0	0.00
244	4X4	12	0	+Z	+X	0	0	0.00
245	4X4	12	0	+Z	+X	0	0	0.00
246	4X4	12	0	+Z	+X	0	0	0.00
247	4X4	12	0	+Z	+X	0	0	0.00
248	4X4	12	0	+Z	+X	0	0	0.00
249	4X4	12	0	+Z	+X	0	0	0.00
250	4X4	12	0	+Z	+X	0	0	0.00
251	4X4	12	0	+Z	+X	0	0	0.00
252	4X4	12	0	+Z	+X	0	0	0.00
253	4X4	12	0	+Z	+X	0	0	0.00
254	4X4	12	0	+Z	+X	0	0	0.00
255	2X2X4	12	0	+Z	+X	0	0	0.00
256	2X2X4	12	0	+Z	+X	0	0	0.00
257	2X2X4	12	0	+Z	+X	0	0	0.00
258	4X4	12	0	+Z	+X	0	0	0.00
259	2X2X4	12	0	+Z	+X	0	0	0.00
260	4X4	12	0	+Z	+X	0	0	0.00
261	2X2X4	12	0	+Z	+X	0	0	0.00
262	2X2X4	12	0	+Z	+X	0	0	0.00
263	2X2X4	12	0	+Z	+X	0	0	0.00
264	2X8	12	0	+Z	+X	0	0	0.00
265	4X4	12	0	+Z	+X	0	0	0.00
266	4X4	12	0	+Z	+X	0	0	0.00
267	4X4	12	0	+Z	+X	0	0	0.00
268	4X4	12	0	+Z	+X	0	0	0.00
269	4X4	12	0	+Z	+X	0	0	0.00
270	4X4	12	0	+Z	+X	0	0	0.00
271	4X4	12	0	+Z	+X	0	0	0.00
272	4X4	12	0	+Z	+X	0	0	0.00
273	4X4	12	0	+Z	+X	0	0	0.00
274	4X4	12	0	+Z	+X	0	0	0.00
275	4X4	12	0	+Z	+X	0	0	0.00
276	4X4	12	0	+Z	+X	0	0	0.00
277	4X4	12	0	+Z	+X	0	0	0.00
278	4X4	12	0	+Z	+X	0	0	0.00
279	2X2X4	12	0	+Z	+X	0	0	0.00
280	2X2X4	12	0	+Z	+X	0	0	0.00
281	4X6	12	0	+Z	+X	0	0	0.00
282	2X2X4	12	0	+Z	+X	0	0	0.00
283	2X2X4	12	0	+Z	+X	0	0	0.00
284	2X2X4	12	0	+Z	+X	0	0	0.00
285	4X4	12	0	+Z	+X	0	0	0.00
286	2X2X4	12	0	+Z	+X	0	0	0.00
287	2X2X4	12	0	+Z	+X	0	0	0.00
288	2X8	12	0	+Z	+X	0	0	0.00
289	4X4	12	0	+Z	+X	0	0	0.00
290	4X4	12	0	+Z	+X	0	0	0.00
291	4X4	12	0	+Z	+X	0	0	0.00
292	4X4	12	0	+Z	+X	0	0	0.00
293	4X4	12	0	+Z	+X	0	0	0.00
294	4X4	12	0	+Z	+X	0	0	0.00

295	4X4	12	0	+Z	+X	0	0	0.00
296	4X4	12	0	+Z	+X	0	0	0.00
297	4X4	12	0	+Z	+X	0	0	0.00
298	4X4	12	0	+Z	+X	0	0	0.00
299	4X4	12	0	+Z	+X	0	0	0.00
300	4X4	12	0	+Z	+X	0	0	0.00
301	4X4	12	0	+Z	+X	0	0	0.00
302	4X4	12	0	+Z	+X	0	0	0.00
303	2X2X4	12	0	+Z	+X	0	0	0.00
304	4X4	12	0	+Z	+X	0	0	0.00
305	2X2X4	12	0	+Z	+X	0	0	0.00
306	2X2X4	12	0	+Z	+X	0	0	0.00
307	2X2X4	12	0	+Z	+X	0	0	0.00
308	2X2X4	12	0	+Z	+X	0	0	0.00
309	2X2X4	12	0	+Z	+X	0	0	0.00
310	4X4	12	0	+Z	+X	0	0	0.00
311	2X2X4	12	0	+Z	+X	0	0	0.00
312	2X8	12	0	+Z	+X	0	0	0.00
313	4X4	12	0	+Z	+X	0	0	0.00
314	4X4	12	0	+Z	+X	0	0	0.00
315	4X4	12	0	+Z	+X	0	0	0.00
316	4X4	12	0	+Z	+X	0	0	0.00
317	4X4	12	0	+Z	+X	0	0	0.00
318	4X4	12	0	+Z	+X	0	0	0.00
319	4X4	12	0	+Z	+X	0	0	0.00
320	4X4	12	0	+Z	+X	0	0	0.00
321	4X4	12	0	+Z	+X	0	0	0.00
322	4X4	12	0	+Z	+X	0	0	0.00
323	4X4	12	0	+Z	+X	0	0	0.00
324	4X4	12	0	+Z	+X	0	0	0.00
325	4X4	12	0	+Z	+X	0	0	0.00
326	4X4	12	0	+Z	+X	0	0	0.00
327	4X4	12	0	+Z	+X	0	0	0.00
328	2X2X4	12	0	+Z	+X	0	0	0.00
329	2X2X4	12	0	+Z	+X	0	0	0.00
330	2X2X4	12	0	+Z	+X	0	0	0.00
331	2X2X4	12	0	+Z	+X	0	0	0.00
332	2X2X4	12	0	+Z	+X	0	0	0.00
333	2X2X4	12	0	+Z	+X	0	0	0.00
334	2X2X4	12	0	+Z	+X	0	0	0.00
335	4X4	12	0	+Z	+X	0	0	0.00
336	2X8	12	0	+Z	+X	0	0	0.00
337	4X4	12	0	+Z	+X	0	0	0.00
338	4X4	12	0	+Z	+X	0	0	0.00
339	4X4	12	0	+Z	+X	0	0	0.00
340	4X4	12	0	+Z	+X	0	0	0.00
341	4X4	12	0	+Z	+X	0	0	0.00
342	4X4	12	0	+Z	+X	0	0	0.00
343	4X4	12	0	+Z	+X	0	0	0.00
344	4X4	12	0	+Z	+X	0	0	0.00
345	4X4	12	0	+Z	+X	0	0	0.00
346	4X4	12	0	+Z	+X	0	0	0.00
347	4X4	12	0	+Z	+X	0	0	0.00
348	4X4	12	0	+Z	+X	0	0	0.00
349	4X4	12	0	+Z	+X	0	0	0.00
350	4X4	12	0	+Z	+X	0	0	0.00
351	4X4	12	0	+Z	+X	0	0	0.00

F R A M E E L E M E N T D A T A

ELEMENT LABEL	END-I RELEASE CODES		END-J RELEASE CODES	
14	R2	R3	R2	R3
15	R2	R3	R2	R3
16	R2	R3	R2	R3
17	R2	R3	R2	R3
18	R2	R3	R2	R3
19	R2	R3	R2	R3
20	R2	R3	R2	R3
21	R2	R3	R2	R3
36	R2	R3	R2	R3
37	R2	R3	R2	R3
38	R2	R3	R2	R3
39	R2	R3	R2	R3
40	R2	R3	R2	R3
41	R2	R3	R2	R3
42	R2	R3	R2	R3
43	R2	R3	R2	R3
44	R2	R3	R2	R3
45	R2	R3	R2	R3
60	R2	R3	R2	R3
61	R2	R3	R2	R3
62	R2	R3	R2	R3
63	R2	R3	R2	R3
64	R2	R3	R2	R3
65	R2	R3	R2	R3
66	R2	R3	R2	R3
67	R2	R3	R2	R3
68	R2	R3	R2	R3
69	R2	R3	R2	R3
84	R2	R3	R2	R3
85	R2	R3	R2	R3
86	R2	R3	R2	R3
87	R2	R3	R2	R3
88	R2	R3	R2	R3
89	R2	R3	R2	R3
90	R2	R3	R2	R3
91	R2	R3	R2	R3
92	R2	R3	R2	R3
93	R2	R3	R2	R3
108	R2	R3	R2	R3
109	R2	R3	R2	R3
110	R2	R3	R2	R3
111	R2	R3	R2	R3
112	R2	R3	R2	R3
113	R2	R3	R2	R3
114	R2	R3	R2	R3
115	R2	R3	R2	R3
116	R2	R3	R2	R3
117	R2	R3	R2	R3
132	R2	R3	R2	R3
133	R2	R3	R2	R3
134	R2	R3	R2	R3
135	R2	R3	R2	R3
136	R2	R3	R2	R3
137	R2	R3	R2	R3
138	R2	R3	R2	R3
139	R2	R3	R2	R3
140	R2	R3	R2	R3
141	R2	R3	R2	R3

157	R2	R3	R2	R3
158	R2	R3	R2	R3
159	R2	R3	R2	R3
160	R2	R3	R2	R3
161	R2	R3	R2	R3
162	R2	R3	R2	R3
163	R2	R3	R2	R3
164	R2	R3	R2	R3
165	R2	R3	R2	R3
166	R2	R3	R2	R3
167	R2	R3	R2	R3
182	R2	R3	R2	R3
183	R2	R3	R2	R3
184	R2	R3	R2	R3
185	R2	R3	R2	R3
186	R2	R3	R2	R3
187	R2	R3	R2	R3
188	R2	R3	R2	R3
189	R2	R3	R2	R3
190	R2	R3	R2	R3
191	R2	R3	R2	R3
192	R2	R3	R2	R3
207	R2	R3	R2	R3
208	R2	R3	R2	R3
209	R2	R3	R2	R3
210	R2	R3	R2	R3
211	R2	R3	R2	R3
212	R2	R3	R2	R3
213	R2	R3	R2	R3
214	R2	R3	R2	R3
215	R2	R3	R2	R3
216	R2	R3	R2	R3
231	R2	R3	R2	R3
232	R2	R3	R2	R3
233	R2	R3	R2	R3
234	R2	R3	R2	R3
235	R2	R3	R2	R3
236	R2	R3	R2	R3
237	R2	R3	R2	R3
238	R2	R3	R2	R3
239	R2	R3	R2	R3
240	R2	R3	R2	R3
255	R2	R3	R2	R3
256	R2	R3	R2	R3
257	R2	R3	R2	R3
258	R2	R3	R2	R3
259	R2	R3	R2	R3
260	R2	R3	R2	R3
261	R2	R3	R2	R3
262	R2	R3	R2	R3
263	R2	R3	R2	R3
264	R2	R3	R2	R3
279	R2	R3	R2	R3
280	R2	R3	R2	R3
281	R2	R3	R2	R3
282	R2	R3	R2	R3
283	R2	R3	R2	R3
284	R2	R3	R2	R3
285	R2	R3	R2	R3
286	R2	R3	R2	R3
287	R2	R3	R2	R3
288	R2	R3	R2	R3
303	R2	R3	R2	R3

304	R2	R3	R2	R3
305	R2	R3	R2	R3
306	R2	R3	R2	R3
307	R2	R3	R2	R3
308	R2	R3	R2	R3
309	R2	R3	R2	R3
310	R2	R3	R2	R3
311	R2	R3	R2	R3
312	R2	R3	R2	R3
327	R2	R3	R2	R3
328	R2	R3	R2	R3
329	R2	R3	R2	R3
330	R2	R3	R2	R3
331	R2	R3	R2	R3
332	R2	R3	R2	R3
333	R2	R3	R2	R3
334	R2	R3	R2	R3
335	R2	R3	R2	R3
336	R2	R3	R2	R3

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T O T A L W E I G H T S A N D M A S S E S

SECTION LABEL	WEIGHT	MASS
4X4	2843.6637	7.3674
2X2X4	1342.6560	3.4786
4X6	128.6327	0.3333
2X8	202.7970	0.5254
TOTAL	4517.7494	11.7046

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 20
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L O A D C O N D I T I O N DEAD

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.1000E+01

L O A D C O N D I T I O N MANIFOLD

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

L O A D C O N D I T I O N TBAR

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
1FIL1	0.000E+00	0.000E+00	-0.960E+02	0.000E+00	0.000E+00	0.000E+00
1FIL2	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
1FIL3	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
1FIL4	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00

1FIL5	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
1FIL6	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
1FIL7	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
1FIL8	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
1FIL9	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
2FIL1	0.000E+00	0.000E+00	-0.143E+03	0.000E+00	0.000E+00	0.000E+00
2FIL2	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
2FIL3	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
2FIL4	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
2FIL5	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
2FIL6	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
2FIL7	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
2FIL8	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
2FIL9	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
3FIL1	0.000E+00	0.000E+00	-0.710E+02	0.000E+00	0.000E+00	0.000E+00
3FIL2	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
3FIL3	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
3FIL4	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
3FIL5	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
3FIL6	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
3FIL7	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
3FIL8	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
3FIL9	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
4FIL1	0.000E+00	0.000E+00	-0.250E+02	0.000E+00	0.000E+00	0.000E+00
4FIL2	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00
4FIL3	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00
4FIL4	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00
4FIL5	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00
4FIL6	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00
4FIL7	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00
4FIL8	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00
4FIL9	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00
1FIL10	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
1FIL11	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
1FIL12	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
1FIL13	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
1FIL14	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
1FIL15	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
2FIL10	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
2FIL11	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
2FIL12	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
2FIL13	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
2FIL14	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
2FIL15	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
3FIL10	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
3FIL11	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
3FIL12	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
3FIL13	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
3FIL14	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
3FIL15	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
4FIL10	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00
4FIL11	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00
4FIL12	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00
4FIL13	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00
4FIL14	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00
4FIL15	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N TOPCOVER

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
P1	0.000E+00	0.000E+00	-0.873E+03	0.000E+00	0.000E+00	0.000E+00
P2	0.000E+00	0.000E+00	-0.153E+04	0.000E+00	0.000E+00	0.000E+00
P3	0.000E+00	0.000E+00	-0.437E+03	0.000E+00	0.000E+00	0.000E+00
P6	0.000E+00	0.000E+00	-0.437E+03	0.000E+00	0.000E+00	0.000E+00
P7	0.000E+00	0.000E+00	-0.153E+04	0.000E+00	0.000E+00	0.000E+00
P8	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00
P9	0.000E+00	0.000E+00	-0.153E+04	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.437E+03	0.000E+00	0.000E+00	0.000E+00
P13	0.000E+00	0.000E+00	-0.437E+03	0.000E+00	0.000E+00	0.000E+00
P14	0.000E+00	0.000E+00	-0.153E+04	0.000E+00	0.000E+00	0.000E+00
P15	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N PEWALLS

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
C8	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
D1	0.000E+00	0.000E+00	-0.940E+02	0.000E+00	0.000E+00	0.000E+00
F1	0.000E+00	0.000E+00	-0.214E+03	0.000E+00	0.000E+00	0.000E+00
F8	0.000E+00	0.000E+00	-0.504E+03	0.000E+00	0.000E+00	0.000E+00
H1	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
H8	0.000E+00	0.000E+00	-0.566E+03	0.000E+00	0.000E+00	0.000E+00
J1	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
J8	0.000E+00	0.000E+00	-0.566E+03	0.000E+00	0.000E+00	0.000E+00
L1	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
L8	0.000E+00	0.000E+00	-0.425E+03	0.000E+00	0.000E+00	0.000E+00
M1	0.000E+00	0.000E+00	-0.184E+03	0.000E+00	0.000E+00	0.000E+00
M8	0.000E+00	0.000E+00	-0.434E+03	0.000E+00	0.000E+00	0.000E+00
P1	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
P8	0.000E+00	0.000E+00	-0.292E+03	0.000E+00	0.000E+00	0.000E+00
C15	0.000E+00	0.000E+00	-0.285E+03	0.000E+00	0.000E+00	0.000E+00
F15	0.000E+00	0.000E+00	-0.504E+03	0.000E+00	0.000E+00	0.000E+00
H15	0.000E+00	0.000E+00	-0.566E+03	0.000E+00	0.000E+00	0.000E+00
J15	0.000E+00	0.000E+00	-0.566E+03	0.000E+00	0.000E+00	0.000E+00
L15	0.000E+00	0.000E+00	-0.425E+03	0.000E+00	0.000E+00	0.000E+00
M15	0.000E+00	0.000E+00	-0.434E+03	0.000E+00	0.000E+00	0.000E+00
P15	0.000E+00	0.000E+00	-0.292E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N HOTBASIN

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

L O A D C O N D I T I O N DRIFTELM

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
DE1	0.000E+00	0.000E+00	-0.140E+02	0.000E+00	0.000E+00	0.000E+00
DE2	0.000E+00	0.000E+00	-0.280E+02	0.000E+00	0.000E+00	0.000E+00
DE3	0.000E+00	0.000E+00	-0.280E+02	0.000E+00	0.000E+00	0.000E+00
DE4	0.000E+00	0.000E+00	-0.280E+02	0.000E+00	0.000E+00	0.000E+00

DE5	0.000E+00	0.000E+00	-0.280E+02	0.000E+00	0.000E+00	0.000E+00
DE6	0.000E+00	0.000E+00	-0.280E+02	0.000E+00	0.000E+00	0.000E+00
DE7	0.000E+00	0.000E+00	-0.280E+02	0.000E+00	0.000E+00	0.000E+00
DE8	0.000E+00	0.000E+00	-0.280E+02	0.000E+00	0.000E+00	0.000E+00
DE9	0.000E+00	0.000E+00	-0.280E+02	0.000E+00	0.000E+00	0.000E+00
DE10	0.000E+00	0.000E+00	-0.280E+02	0.000E+00	0.000E+00	0.000E+00
DE11	0.000E+00	0.000E+00	-0.280E+02	0.000E+00	0.000E+00	0.000E+00
DE12	0.000E+00	0.000E+00	-0.280E+02	0.000E+00	0.000E+00	0.000E+00
DE13	0.000E+00	0.000E+00	-0.280E+02	0.000E+00	0.000E+00	0.000E+00
DE14	0.000E+00	0.000E+00	-0.280E+02	0.000E+00	0.000E+00	0.000E+00
DE15	0.000E+00	0.000E+00	-0.280E+02	0.000E+00	0.000E+00	0.000E+00
2FIL1	0.000E+00	0.000E+00	-0.180E+02	0.000E+00	0.000E+00	0.000E+00
2FIL2	0.000E+00	0.000E+00	-0.360E+02	0.000E+00	0.000E+00	0.000E+00
2FIL3	0.000E+00	0.000E+00	-0.360E+02	0.000E+00	0.000E+00	0.000E+00
2FIL4	0.000E+00	0.000E+00	-0.360E+02	0.000E+00	0.000E+00	0.000E+00
2FIL5	0.000E+00	0.000E+00	-0.360E+02	0.000E+00	0.000E+00	0.000E+00
2FIL6	0.000E+00	0.000E+00	-0.360E+02	0.000E+00	0.000E+00	0.000E+00
2FIL7	0.000E+00	0.000E+00	-0.360E+02	0.000E+00	0.000E+00	0.000E+00
2FIL8	0.000E+00	0.000E+00	-0.360E+02	0.000E+00	0.000E+00	0.000E+00
2FIL9	0.000E+00	0.000E+00	-0.360E+02	0.000E+00	0.000E+00	0.000E+00
3FIL1	0.000E+00	0.000E+00	-0.620E+02	0.000E+00	0.000E+00	0.000E+00
3FIL2	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
3FIL3	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
3FIL4	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
3FIL5	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
3FIL6	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
3FIL7	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
3FIL8	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
3FIL9	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
4FIL1	0.000E+00	0.000E+00	-0.460E+02	0.000E+00	0.000E+00	0.000E+00
4FIL2	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
4FIL3	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
4FIL4	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
4FIL5	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
4FIL6	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
4FIL7	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
4FIL8	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
4FIL9	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
2FIL10	0.000E+00	0.000E+00	-0.360E+02	0.000E+00	0.000E+00	0.000E+00
2FIL11	0.000E+00	0.000E+00	-0.360E+02	0.000E+00	0.000E+00	0.000E+00
2FIL12	0.000E+00	0.000E+00	-0.360E+02	0.000E+00	0.000E+00	0.000E+00
2FIL13	0.000E+00	0.000E+00	-0.360E+02	0.000E+00	0.000E+00	0.000E+00
2FIL14	0.000E+00	0.000E+00	-0.360E+02	0.000E+00	0.000E+00	0.000E+00
2FIL15	0.000E+00	0.000E+00	-0.360E+02	0.000E+00	0.000E+00	0.000E+00
3FIL10	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
3FIL11	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
3FIL12	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
3FIL13	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
3FIL14	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
3FIL15	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
4FIL10	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
4FIL11	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
4FIL12	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
4FIL13	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
4FIL14	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
4FIL15	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N FANMOTOR

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
P2	0.000E+00	0.000E+00	-0.425E+03	0.000E+00	0.000E+00	0.000E+00
P4	0.000E+00	0.000E+00	-0.187E+04	0.000E+00	0.000E+00	0.000E+00
P5	0.000E+00	0.000E+00	-0.187E+04	0.000E+00	0.000E+00	0.000E+00
P7	0.000E+00	0.000E+00	-0.425E+03	0.000E+00	0.000E+00	0.000E+00
P9	0.000E+00	0.000E+00	-0.425E+03	0.000E+00	0.000E+00	0.000E+00
P11	0.000E+00	0.000E+00	-0.187E+04	0.000E+00	0.000E+00	0.000E+00
P12	0.000E+00	0.000E+00	-0.187E+04	0.000E+00	0.000E+00	0.000E+00
P14	0.000E+00	0.000E+00	-0.425E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N CABLETRY

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

L O A D C O N D I T I O N LOUVERWL

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

L O A D C O N D I T I O N SECDIST

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
DE3	0.000E+00	0.000E+00	-0.108E+04	0.000E+00	0.000E+00	0.000E+00
DE4	0.000E+00	0.000E+00	-0.542E+03	0.000E+00	0.000E+00	0.000E+00

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F U N C T I O N D A T A

FUNCTION LABEL = 5DAMP
TIME INCREMENT = 0.000

TIME	VALUE	TIME	VALUE	TIME	VALUE	TIME	VALUE
0.010	0.813E-01	0.011	0.822E-01	0.012	0.830E-01	0.013	0.839E-01
0.014	0.848E-01	0.015	0.858E-01	0.016	0.865E-01	0.017	0.877E-01
0.019	0.887E-01	0.020	0.897E-01	0.022	0.907E-01	0.024	0.917E-01
0.026	0.927E-01	0.029	0.942E-01	0.033	0.958E-01	0.037	0.972E-01
0.041	0.985E-01	0.045	0.996E-01	0.050	0.101E+00	0.055	0.103E+00
0.062	0.104E+00	0.068	0.105E+00	0.074	0.106E+00	0.082	0.108E+00
0.090	0.109E+00	0.098	0.110E+00	0.106	0.111E+00	0.117	0.112E+00
0.129	0.113E+00	0.142	0.114E+00	0.155	0.114E+00	0.168	0.114E+00
0.181	0.115E+00	0.197	0.114E+00	0.216	0.114E+00	0.238	0.114E+00
0.258	0.113E+00	0.279	0.112E+00	0.302	0.110E+00	0.329	0.109E+00
0.355	0.107E+00	0.381	0.106E+00	0.410	0.104E+00	0.439	0.102E+00
0.466	0.998E-01	0.493	0.974E-01	0.522	0.947E-01	0.550	0.924E-01
0.582	0.897E-01	0.614	0.868E-01	0.649	0.844E-01	0.681	0.813E-01
0.714	0.790E-01	0.753	0.763E-01	0.787	0.737E-01	0.824	0.714E-01
0.865	0.685E-01	0.906	0.659E-01	0.946	0.637E-01	0.979	0.614E-01

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M O D E S D A T A

NUMBER OF EIGENVALUES	1000
EIGEN CONVERGENCE TOLERANCE	0.1000E-04
EIGEN CUTOFF FREQUENCY	0.3300E+02
EIGEN FREQUENCY SHIFT	0.0000E+00
INCLUDE RESIDUAL-MASS MODES	YES

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R E S P O N S E S P E C T R U M D A T A

SPEC LABEL	HORIZ	ACC	FUNCTION	FUNCTION
DAMPING RATIO	0.050	DIR	FACTOR	LABEL
DIRECTION FACTOR	0.000	U1	772.80	5DAMP
MODAL COMBINATION	CQC	U2	0.00	0
COORDINATE SYSTEM	0	U3	0.00	0
COORDINATE ANGLE	0			

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L O A D C O M B I N A T I O N M U L T I P L I E R S

COMBO LABEL DEADLOAD
COMBO TYPE ABS

LOAD LABEL	MODE NUM	SPEC LABEL	HIST LABEL	MOVE LABEL	COMBO LABEL	SCALE FACTOR
DEAD						1.000
MANIFOLD						1.000
TBAR						1.000
TOPCOVER						1.000
PEWALLS						1.000
HOTBASIN						1.000
DRIFTELM						1.000
FANMOTOR						1.000
CABLETRY						1.000
LOUVERWL						1.000
SECDIST						1.000

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O U T P U T S E L E C T I O N

DISPLACEMENTS AT JOINTS

LOAD LABEL	MODES	SPEC LABEL	HIST LABEL	MOVE LABEL	COMB LABEL
		HORIZ			

```
 REACTIONS AT JOINTS

      LOAD     MODES      SPEC      HIST      MOVE      COMB
     LABEL               LABEL     LABEL     LABEL     LABEL

                         HORIZ

 INTERNAL FORCES AT ELEMENT FRAME

      LOAD     MODES      SPEC      HIST      MOVE      COMB
     LABEL               LABEL     LABEL     LABEL     LABEL

                         HORIZ


C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE   26
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 I N P U T   C O M P L E T E
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Program SAP2000 Nonlinear Version 7.40                 File:Bent A Seismic.LOG



B E G I N   A N A L Y S I S                              2005/04/05  18:44:18

MAXIMUM MEMORY BLOCK SIZE (BYTES)         =       7.629 MB


E L E M E N T   F O R M A T I O N                                    18:44:18

NUMBER OF JOINT  ELEMENTS FORMED          =         108
NUMBER OF SPRING ELEMENTS FORMED          =           0
NUMBER OF FRAME  ELEMENTS FORMED          =         351
NUMBER OF CONSTRAINTS FORMED              =           3


E Q U A T I O N   S O L U T I O N                                    18:44:20

TOTAL NUMBER OF EQUILIBRIUM EQUATIONS     =         645
APPROXIMATE "EFFECTIVE" BAND WIDTH        =          24

NUMBER OF EQUATION STORAGE BLOCKS         =           1
MAXIMUM BLOCK SIZE (8-BYTE TERMS)         =       15921
SIZE OF STIFFNESS FILE(S) (BYTES)         =     126.918 KB

NUMBER OF EQUATIONS TO SOLVE              =         645
NUMBER OF STATIC LOAD CASES               =          11
NUMBER OF ACCELERATION LOADS              =           6
NUMBER OF NONLINEAR DEFORMATION LOADS     =           0


E I G E N   A N A L Y S I S                                          18:44:21

NUMBER OF STIFFNESS DEGREES OF FREEDOM    =         645
NUMBER OF MASS DEGREES OF FREEDOM         =         419
NUMBER OF EIGEN MODES SOUGHT              =         998
NUMBER OF RESIDUAL-MASS MODES SOUGHT      =           2
NUMBER OF SUBSPACE VECTORS USED           =          20

RELATIVE CONVERGENCE TOLERANCE            =    1.00E-05
FREQUENCY SHIFT  (CENTER) (CYC/TIME)      =     .000000
FREQUENCY CUTOFF (RADIUS) (CYC/TIME)      =   33.000000

* * * W A R N I N G * * *
NUMBER OF MODES SOUGHT REDUCED TO THE NUMBER OF MASS DEGREES OF FREEDOM


NUMBER OF EIGEN MODES FOUND               =          87
NUMBER OF ITERATIONS PERFORMED            =          71

NON-ZERO RESIDUAL-MASS MODES SOUGHT       =       UX,UZ
SIGNIFICANT RESIDUAL-MASS MODES FOUND     =       UX,UZ


R E S P O N S E - S P E C T R U M   A N A L Y S I S                  18:44:56

NUMBER OF SPEC ANALYSES PERFORMED         =           1


J O I N T   O U T P U T                                              18:44:56
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G L O B A L F O R C E B A L A N C E R E L A T I V E E R R O R S

PERCENT FORCE AND MOMENT ERROR AT THE ORIGIN, IN GLOBAL COORDINATES

LOAD	FX	FY	FZ	MX	MY	MZ
DEAD	8.93E-15	6.73E-32	2.52E-13	4.34E-14	3.91E-13	2.02E-15
MANIFOLD	.000000	.000000	.000000	.000000	.000000	.000000
TBAR	9.03E-15	.000000	2.63E-13	5.84E-14	2.76E-13	1.99E-15
TOPCOVER	7.55E-15	.000000	5.88E-13	1.32E-13	5.73E-13	1.84E-15
PEWALLS	4.29E-14	.000000	3.80E-13	7.39E-14	3.82E-13	8.23E-15
HOTBASIN	.000000	.000000	.000000	.000000	.000000	.000000
DRIFTELM	8.90E-15	.000000	3.53E-13	7.65E-14	3.58E-13	2.01E-15
FANMOTOR	2.60E-14	.000000	2.87E-13	6.40E-14	3.38E-13	5.76E-15
CABLETRY	.000000	.000000	.000000	.000000	.000000	.000000
LOUVERWL	.000000	.000000	.000000	.000000	.000000	.000000
SECDIST	3.67E-14	.000000	5.60E-13	1.26E-13	1.69E-13	8.28E-15

MODE	FX	FY	FZ	MX	MY	MZ
1	0.002150	.000000	0.009603	0.001936	0.011106	0.000433
2	0.011482	.000000	0.080123	0.025358	0.040018	0.003634
3	0.015776	.000000	0.002326	0.000736	0.069489	0.004993
4	0.030948	.000000	0.223830	0.068865	0.282358	0.009522
5	0.054095	.000000	0.627090	0.136130	0.753925	0.011743
6	0.008237	.000000	0.083150	0.017987	0.102809	0.001782
7	0.208997	.000000	1.255377	0.241849	1.786604	0.040263
8	0.609628	.000000	4.481260	0.806463	5.561663	0.109711
9	0.723263	.000000	6.252389	1.978816	12.908282	0.228905
10	1.619338	.000000	6.599353	2.088626	17.187158	0.512504
11	0.545079	.000000	2.855802	0.513940	3.747560	0.098094
12	0.419232	.000000	0.887928	0.168837	0.406712	0.079716
13	0.311481	.000000	1.334787	0.422446	3.410999	0.098580
14	2.408230	.000000	10.362706	2.096249	16.160142	0.487156
15	1.026882	.000000	5.626587	1.012580	7.178208	0.184801
16	0.176360	.000000	0.119884	0.023781	0.354603	0.034984
17	0.011084	.000000	0.037781	0.007422	0.068878	0.002178
18	0.016077	.000000	0.175688	0.031617	0.108318	0.002893
19	0.012063	.000000	0.016617	0.005259	0.039707	0.003818
20	0.012276	.000000	0.253932	0.057022	0.040612	0.002757
21	0.006592	.000000	0.041982	0.009427	0.115590	0.001480
22	0.020789	.000000	0.012249	0.002204	0.001504	0.003741
23	0.031975	.000000	0.275157	0.049518	0.245763	0.005754
24	0.015899	.000000	0.178686	0.032157	0.050772	0.002861
25	0.055235	.000000	0.306692	0.068870	0.257869	0.012403
26	0.493189	.000000	1.143186	0.205732	0.959370	0.088756
27	0.124902	.000000	0.965036	0.173671	0.859125	0.022478
28	0.105090	.000000	0.576768	0.115682	0.511942	0.021078
29	1.591118	.000000	2.318275	0.520586	2.231055	0.357297
30	0.463591	.000000	0.868128	0.156231	0.744495	0.083430
31	0.279509	.000000	1.039717	0.187111	0.759166	0.050301
32	0.168991	.000000	0.996377	0.191048	0.981394	0.032403
33	0.323898	.000000	1.254315	0.225731	1.197526	0.058290
34	0.012081	.000000	0.066800	0.012022	0.045727	0.002174
35	0.014022	.000000	0.009608	0.001995	0.009324	0.002912
36	0.004170	.000000	0.053802	0.009682	0.046158	0.000750
37	0.013556	.000000	0.048071	0.010795	0.051859	0.003044
38	0.012683	.000000	0.096421	0.017352	0.087814	0.002282
39	0.010621	.000000	0.006684	0.001501	0.013706	0.002385
40	0.032535	.000000	0.012445	0.002795	0.009116	0.007306
41	0.269981	.000000	1.512298	0.272158	1.561001	0.048587
42	0.058920	.000000	1.047674	0.188543	0.961675	0.010603
43	0.093867	.000000	0.713669	0.128434	0.592567	0.016893
44	0.463163	.000000	0.286843	0.064413	0.257999	0.104007
45	2.848366	.000000	10.092100	2.147431	10.870526	0.606085

46	1.054718	.000000	3.071501	0.552758	1.246681	0.189811
47	3.980622	.000000	3.143409	0.705875	0.803472	0.893878
48	2.209690	.000000	3.998347	0.897858	1.675561	0.496202
49	5.776599	.000000	12.434757	2.792316	7.087717	1.297178
50	10.473611	.000000	1.247397	0.332433	9.752537	2.791234
51	0.054843	.000000	0.728701	0.163635	0.952937	0.012315
52	0.173815	.000000	0.031811	0.007143	0.246213	0.039032
53	0.029982	.000000	0.100846	0.022646	0.142867	0.006733
54	0.114180	.000000	0.005954	0.001337	0.000797	0.025640
55	0.002902	.000000	0.011238	0.002524	0.051613	0.000652
56	0.022663	.000000	0.027540	0.004956	0.096343	0.004079
57	0.000993	.000000	0.075605	0.013606	0.043034	0.000179
58	0.004083	.000000	0.000589	0.000106	0.034512	0.000735
59	0.093309	.000000	0.175264	0.035211	0.198578	0.018746
60	0.106833	.000000	0.097909	0.017845	0.099535	0.019472
61	0.010483	.000000	6.286039	1.989466	9.033383	0.003318
62	0.712394	.000000	9.114053	1.640196	6.738230	0.128205
63	0.097698	.000000	0.083340	0.014998	0.141903	0.017582
64	0.266729	.000000	4.031829	0.725582	2.532889	0.048001
65	0.407584	.000000	1.362845	0.306037	0.642175	0.091526
66	0.085324	.000000	0.888379	0.159876	0.497994	0.015355
67	0.740457	.000000	0.720686	0.129697	1.941729	0.133255
68	0.011586	.000000	0.217768	0.039190	0.175053	0.002085
69	0.296629	.000000	1.433441	0.391671	1.039480	0.081050
70	0.004048	.000000	0.011632	0.002093	0.007127	0.000728
71	0.075277	.000000	0.110908	0.019959	0.062057	0.013547
72	0.023027	.000000	0.114451	0.025701	0.194272	0.005171
73	0.002607	.000000	0.074896	0.016818	0.059010	0.000585
74	0.068563	.000000	0.068426	0.012314	0.000187	0.012339
75	0.118886	.000000	0.213493	0.038421	0.097750	0.021395
76	0.076206	.000000	0.144105	0.025934	0.011152	0.013714
77	0.014887	.000000	0.103326	0.023203	0.024429	0.003343
78	0.022360	.000000	0.038548	0.009911	0.001455	0.005749
79	0.038514	.000000	0.167929	0.037710	0.140396	0.008649
80	0.058684	.000000	0.005025	0.000904	0.103281	0.010561
81	0.027561	.000000	0.010559	0.001967	0.097806	0.005133
82	0.019642	.000000	0.060768	0.013646	0.014609	0.004411
83	0.165890	.000000	0.067270	0.019777	0.357979	0.048770
84	0.046355	.000000	0.008277	0.002140	0.037753	0.011986
85	0.236356	.000000	0.073303	0.016461	0.297038	0.053075
86	0.132293	.000000	0.013828	0.002489	0.162272	0.023808
87	0.003016	.000000	0.019408	0.003493	0.010737	0.000543
88	10.279356	.000000	3.830973	1.212463	4.358586	3.253309
89	0.929905	.000000	11.110255	2.494889	9.130584	0.208817

SPEC	FX	FY	FZ	MX	MY	MZ
HORIZ	0.133420	.000000	0.050687	0.010426	0.038536	0.027444

COMB MAX/MIN	FX	FY	FZ	MX	MY	MZ
DEADLOAD	1.79E-14	6.24E-33	3.83E-13	8.50E-14	4.04E-13	4.05E-15
DEADLOAD	1.79E-14	6.24E-33	3.83E-13	8.50E-14	4.04E-13	4.05E-15

E L E M E N T J O I N T - F O R C E O U T P U T 18:45:00

NUMBER OF JOINT ELEMENTS SAVED = 108
NUMBER OF FRAME ELEMENTS SAVED = 351

E L E M E N T O U T P U T 18:45:03

NUMBER OF FRAME ELEMENTS SAVED = 351
NUMBER OF FRAME ELEMENTS PRINTED = 351

A N A L Y S I S C O M P L E T E 2005/04/05 18:45:12

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                    S A P 2 0 0 0 (R)

                Structural Analysis Programs

                   Nonlinear Version 7.40

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                     5 Apr 2005  18:44:18


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D I S P L A C E M E N T   D E G R E E S   O F   F R E E D O M

        (A) = Active DOF, equilibrium equation
        (-) = Restrained DOF, reaction computed
        (+) = Constrained DOF
        (>) = External substructure DOF
        ( ) = Null DOF

 JOINTS              UX  UY  UZ  RX  RY  RZ
     A2 TO      A9    -   -   -       A
     B2 TO      C9    A       A       A
     D1               -   -   -       A
     F1 TO      M9    A       A       A
     O1 TO      P1    +       A       A
     P2 TO      P6    A       A       A
     P7               +       A       A
     P8 TO      P9    A       A       A
    A10 TO     A15    -   -   -       A
    B10 TO     M15    A       A       A
    O15               +       A       A
    P10 TO     P14    A       A       A
    P15               +       A       A
   DE10 TO  5FIL15    A       A       A

 CONSTRAINTS         U1  U2  U3  R1  R2  R3
    PO1 TO    PO15    A


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A S S E M B L E D   J O I N T   M A S S E S

IN GLOBAL COORDINATES

  JOINT          UX          UY          UZ          RX          RY          RZ
```

A2	0.017761	0.017761	0.017761	.000000	.000000	.000000
A3	0.017761	0.017761	0.017761	.000000	.000000	.000000
A4	0.017761	0.017761	0.017761	.000000	.000000	.000000
A5	0.017761	0.017761	0.017761	.000000	.000000	.000000
A6	0.017761	0.017761	0.017761	.000000	.000000	.000000
A7	0.045370	0.045370	0.045370	.000000	.000000	.000000
A8	0.017761	0.017761	0.017761	.000000	.000000	.000000
A9	0.045370	0.045370	0.045370	.000000	.000000	.000000
B2	0.054080	0.054080	0.054080	.000000	.000000	.000000
B3	0.072198	0.072198	0.072198	.000000	.000000	.000000
B4	0.072198	0.072198	0.072198	.000000	.000000	.000000
B5	0.072198	0.072198	0.072198	.000000	.000000	.000000
B6	0.072198	0.072198	0.072198	.000000	.000000	.000000
B7	0.072198	0.072198	0.072198	.000000	.000000	.000000
B8	0.183203	0.183203	0.183203	.000000	.000000	.000000
B9	0.072198	0.072198	0.072198	.000000	.000000	.000000
C2	0.047988	0.047988	0.047988	.000000	.000000	.000000
C3	0.066106	0.066106	0.066106	.000000	.000000	.000000
C4	0.066106	0.066106	0.066106	.000000	.000000	.000000
C5	0.066106	0.066106	0.066106	.000000	.000000	.000000
C6	0.066106	0.066106	0.066106	.000000	.000000	.000000
C7	0.149544	0.149544	0.149544	.000000	.000000	.000000
C8	0.802806	0.802806	0.802806	.000000	.000000	.000000
C9	0.149544	0.149544	0.149544	.000000	.000000	.000000
D1	0.278479	0.278479	0.278479	.000000	.000000	.000000
F1	0.595023	0.595023	0.595023	.000000	.000000	.000000
F2	0.125691	0.125691	0.125691	.000000	.000000	.000000
F3	0.059941	0.059941	0.059941	.000000	.000000	.000000
F4	0.059941	0.059941	0.059941	.000000	.000000	.000000
F5	0.059941	0.059941	0.059941	.000000	.000000	.000000
F6	0.150713	0.150713	0.150713	.000000	.000000	.000000
F7	0.059941	0.059941	0.059941	.000000	.000000	.000000
F8	1.365441	1.365441	1.365441	.000000	.000000	.000000
F9	0.059941	0.059941	0.059941	.000000	.000000	.000000
H1	0.667400	0.667400	0.667400	.000000	.000000	.000000
H2	0.064418	0.064418	0.064418	.000000	.000000	.000000
H3	0.134875	0.134875	0.134875	.000000	.000000	.000000
H4	0.064418	0.064418	0.064418	.000000	.000000	.000000
H5	0.134875	0.134875	0.134875	.000000	.000000	.000000
H6	0.064418	0.064418	0.064418	.000000	.000000	.000000
H7	0.064418	0.064418	0.064418	.000000	.000000	.000000
H8	1.530218	1.530218	1.530218	.000000	.000000	.000000
H9	0.064418	0.064418	0.064418	.000000	.000000	.000000
J1	0.667400	0.667400	0.667400	.000000	.000000	.000000
J2	0.064418	0.064418	0.064418	.000000	.000000	.000000
J3	0.064418	0.064418	0.064418	.000000	.000000	.000000
J4	0.205332	0.205332	0.205332	.000000	.000000	.000000
J5	0.064418	0.064418	0.064418	.000000	.000000	.000000
J6	0.064418	0.064418	0.064418	.000000	.000000	.000000
J7	0.064418	0.064418	0.064418	.000000	.000000	.000000
J8	1.530218	1.530218	1.530218	.000000	.000000	.000000
J9	0.064418	0.064418	0.064418	.000000	.000000	.000000
L1	0.512100	0.512100	0.512100	.000000	.000000	.000000
L2	0.064418	0.064418	0.064418	.000000	.000000	.000000
L3	0.125050	0.125050	0.125050	.000000	.000000	.000000
L4	0.064418	0.064418	0.064418	.000000	.000000	.000000
L5	0.125050	0.125050	0.125050	.000000	.000000	.000000
L6	0.064418	0.064418	0.064418	.000000	.000000	.000000
L7	0.064418	0.064418	0.064418	.000000	.000000	.000000
L8	1.163818	1.163818	1.163818	.000000	.000000	.000000
L9	0.125050	0.125050	0.125050	.000000	.000000	.000000
M1	0.503434	0.503434	0.503434	.000000	.000000	.000000
M2	0.102618	0.102618	0.102618	.000000	.000000	.000000

M3	0.046051	0.046051	0.046051	.000000	.000000	.000000
M4	0.046051	0.046051	0.046051	.000000	.000000	.000000
M5	0.046051	0.046051	0.046051	.000000	.000000	.000000
M6	0.102618	0.102618	0.102618	.000000	.000000	.000000
M7	0.046051	0.046051	0.046051	.000000	.000000	.000000
M8	1.224918	1.224918	1.224918	.000000	.000000	.000000
M9	0.046051	0.046051	0.046051	.000000	.000000	.000000
O1	0.057456	0.057456	0.057456	.000000	.000000	.000000
O7	0.088619	0.088619	0.088619	.000000	.000000	.000000
P1	2.605330	2.605330	2.605330	.000000	.000000	.000000
P2	5.118922	5.118922	5.118922	.000000	.000000	.000000
P3	1.193822	1.193822	1.193822	.000000	.000000	.000000
P4	3.321122	3.321122	3.321122	.000000	.000000	.000000
P5	3.321122	3.321122	3.321122	.000000	.000000	.000000
P6	1.193822	1.193822	1.193822	.000000	.000000	.000000
P7	5.098794	5.098794	5.098794	.000000	.000000	.000000
P8	5.339822	5.339822	5.339822	.000000	.000000	.000000
P9	5.118922	5.118922	5.118922	.000000	.000000	.000000
A10	0.017761	0.017761	0.017761	.000000	.000000	.000000
A11	0.017761	0.017761	0.017761	.000000	.000000	.000000
A12	0.017761	0.017761	0.017761	.000000	.000000	.000000
A13	0.017761	0.017761	0.017761	.000000	.000000	.000000
A14	0.017761	0.017761	0.017761	.000000	.000000	.000000
A15	0.045370	0.045370	0.045370	.000000	.000000	.000000
B10	0.072198	0.072198	0.072198	.000000	.000000	.000000
B11	0.072198	0.072198	0.072198	.000000	.000000	.000000
B12	0.072198	0.072198	0.072198	.000000	.000000	.000000
B13	0.072198	0.072198	0.072198	.000000	.000000	.000000
B14	0.127700	0.127700	0.127700	.000000	.000000	.000000
B15	0.054080	0.054080	0.054080	.000000	.000000	.000000
C10	0.066106	0.066106	0.066106	.000000	.000000	.000000
C11	0.066106	0.066106	0.066106	.000000	.000000	.000000
C12	0.066106	0.066106	0.066106	.000000	.000000	.000000
C13	0.149544	0.149544	0.149544	.000000	.000000	.000000
C14	0.066106	0.066106	0.066106	.000000	.000000	.000000
C15	0.784688	0.784688	0.784688	.000000	.000000	.000000
DE1	0.050191	0.050191	0.050191	.000000	.000000	.000000
DE2	0.086191	0.086191	0.086191	.000000	.000000	.000000
DE3	2.889891	2.889891	2.889891	.000000	.000000	.000000
DE4	1.487991	1.487991	1.487991	.000000	.000000	.000000
DE5	0.086191	0.086191	0.086191	.000000	.000000	.000000
DE6	0.086191	0.086191	0.086191	.000000	.000000	.000000
DE7	0.086191	0.086191	0.086191	.000000	.000000	.000000
DE8	0.086191	0.086191	0.086191	.000000	.000000	.000000
DE9	0.086191	0.086191	0.086191	.000000	.000000	.000000
F10	0.150713	0.150713	0.150713	.000000	.000000	.000000
F11	0.059941	0.059941	0.059941	.000000	.000000	.000000
F12	0.150713	0.150713	0.150713	.000000	.000000	.000000
F13	0.059941	0.059941	0.059941	.000000	.000000	.000000
F14	0.059941	0.059941	0.059941	.000000	.000000	.000000
F15	1.347323	1.347323	1.347323	.000000	.000000	.000000
H10	0.064418	0.064418	0.064418	.000000	.000000	.000000
H11	0.205332	0.205332	0.205332	.000000	.000000	.000000
H12	0.064418	0.064418	0.064418	.000000	.000000	.000000
H13	0.064418	0.064418	0.064418	.000000	.000000	.000000
H14	0.064418	0.064418	0.064418	.000000	.000000	.000000
H15	1.512100	1.512100	1.512100	.000000	.000000	.000000
J10	0.134875	0.134875	0.134875	.000000	.000000	.000000
J11	0.064418	0.064418	0.064418	.000000	.000000	.000000
J12	0.134875	0.134875	0.134875	.000000	.000000	.000000
J13	0.064418	0.064418	0.064418	.000000	.000000	.000000
J14	0.064418	0.064418	0.064418	.000000	.000000	.000000
J15	1.512100	1.512100	1.512100	.000000	.000000	.000000

L10	0.064418	0.064418	0.064418	.000000	.000000	.000000
L11	0.064418	0.064418	0.064418	.000000	.000000	.000000
L12	0.064418	0.064418	0.064418	.000000	.000000	.000000
L13	0.125050	0.125050	0.125050	.000000	.000000	.000000
L14	0.064418	0.064418	0.064418	.000000	.000000	.000000
L15	1.145700	1.145700	1.145700	.000000	.000000	.000000
M10	0.046051	0.046051	0.046051	.000000	.000000	.000000
M11	0.046051	0.046051	0.046051	.000000	.000000	.000000
M12	0.046051	0.046051	0.046051	.000000	.000000	.000000
M13	0.046051	0.046051	0.046051	.000000	.000000	.000000
M14	0.102618	0.102618	0.102618	.000000	.000000	.000000
M15	1.150234	1.150234	1.150234	.000000	.000000	.000000
O15	0.057456	0.057456	0.057456	.000000	.000000	.000000
P10	1.193822	1.193822	1.193822	.000000	.000000	.000000
P11	3.321122	3.321122	3.321122	.000000	.000000	.000000
P12	3.321122	3.321122	3.321122	.000000	.000000	.000000
P13	1.193822	1.193822	1.193822	.000000	.000000	.000000
P14	5.118922	5.118922	5.118922	.000000	.000000	.000000
P15	5.300930	5.300930	5.300930	.000000	.000000	.000000
DE10	0.086191	0.086191	0.086191	.000000	.000000	.000000
DE11	0.086191	0.086191	0.086191	.000000	.000000	.000000
DE12	0.086191	0.086191	0.086191	.000000	.000000	.000000
DE13	0.086191	0.086191	0.086191	.000000	.000000	.000000
DE14	0.086191	0.086191	0.086191	.000000	.000000	.000000
DE15	0.086191	0.086191	0.086191	.000000	.000000	.000000
1FIL1	0.270518	0.270518	0.270518	.000000	.000000	.000000
1FIL2	0.525430	0.525430	0.525430	.000000	.000000	.000000
1FIL3	0.525430	0.525430	0.525430	.000000	.000000	.000000
1FIL4	0.525430	0.525430	0.525430	.000000	.000000	.000000
1FIL5	0.525430	0.525430	0.525430	.000000	.000000	.000000
1FIL6	0.525430	0.525430	0.525430	.000000	.000000	.000000
1FIL7	0.525430	0.525430	0.525430	.000000	.000000	.000000
1FIL8	0.525430	0.525430	0.525430	.000000	.000000	.000000
1FIL9	0.525430	0.525430	0.525430	.000000	.000000	.000000
2FIL1	0.444383	0.444383	0.444383	.000000	.000000	.000000
2FIL2	0.860683	0.860683	0.860683	.000000	.000000	.000000
2FIL3	0.860683	0.860683	0.860683	.000000	.000000	.000000
2FIL4	0.860683	0.860683	0.860683	.000000	.000000	.000000
2FIL5	0.860683	0.860683	0.860683	.000000	.000000	.000000
2FIL6	0.860683	0.860683	0.860683	.000000	.000000	.000000
2FIL7	0.860683	0.860683	0.860683	.000000	.000000	.000000
2FIL8	0.860683	0.860683	0.860683	.000000	.000000	.000000
2FIL9	0.860683	0.860683	0.860683	.000000	.000000	.000000
3FIL1	0.372983	0.372983	0.372983	.000000	.000000	.000000
3FIL2	0.717683	0.717683	0.717683	.000000	.000000	.000000
3FIL3	0.717683	0.717683	0.717683	.000000	.000000	.000000
3FIL4	0.717683	0.717683	0.717683	.000000	.000000	.000000
3FIL5	0.717683	0.717683	0.717683	.000000	.000000	.000000
3FIL6	0.717683	0.717683	0.717683	.000000	.000000	.000000
3FIL7	0.717683	0.717683	0.717683	.000000	.000000	.000000
3FIL8	0.717683	0.717683	0.717683	.000000	.000000	.000000
3FIL9	0.717683	0.717683	0.717683	.000000	.000000	.000000
4FIL1	0.211883	0.211883	0.211883	.000000	.000000	.000000
4FIL2	0.395483	0.395483	0.395483	.000000	.000000	.000000
4FIL3	0.395483	0.395483	0.395483	.000000	.000000	.000000
4FIL4	0.395483	0.395483	0.395483	.000000	.000000	.000000
4FIL5	0.395483	0.395483	0.395483	.000000	.000000	.000000
4FIL6	0.395483	0.395483	0.395483	.000000	.000000	.000000
4FIL7	0.395483	0.395483	0.395483	.000000	.000000	.000000
4FIL8	0.395483	0.395483	0.395483	.000000	.000000	.000000
4FIL9	0.395483	0.395483	0.395483	.000000	.000000	.000000
5FIL1	0.022899	0.022899	0.022899	.000000	.000000	.000000
5FIL2	0.029064	0.029064	0.029064	.000000	.000000	.000000

5FIL3	0.029064	0.029064	0.029064	.000000	.000000	.000000
5FIL4	0.029064	0.029064	0.029064	.000000	.000000	.000000
5FIL5	0.029064	0.029064	0.029064	.000000	.000000	.000000
5FIL6	0.029064	0.029064	0.029064	.000000	.000000	.000000
5FIL7	0.022899	0.022899	0.022899	.000000	.000000	.000000
5FIL8	0.029064	0.029064	0.029064	.000000	.000000	.000000
5FIL9	0.029064	0.029064	0.029064	.000000	.000000	.000000
1FIL10	0.525430	0.525430	0.525430	.000000	.000000	.000000
1FIL11	0.525430	0.525430	0.525430	.000000	.000000	.000000
1FIL12	0.525430	0.525430	0.525430	.000000	.000000	.000000
1FIL13	0.525430	0.525430	0.525430	.000000	.000000	.000000
1FIL14	0.525430	0.525430	0.525430	.000000	.000000	.000000
1FIL15	0.525430	0.525430	0.525430	.000000	.000000	.000000
2FIL10	0.860683	0.860683	0.860683	.000000	.000000	.000000
2FIL11	0.860683	0.860683	0.860683	.000000	.000000	.000000
2FIL12	0.860683	0.860683	0.860683	.000000	.000000	.000000
2FIL13	0.860683	0.860683	0.860683	.000000	.000000	.000000
2FIL14	0.860683	0.860683	0.860683	.000000	.000000	.000000
2FIL15	0.860683	0.860683	0.860683	.000000	.000000	.000000
3FIL10	0.717683	0.717683	0.717683	.000000	.000000	.000000
3FIL11	0.717683	0.717683	0.717683	.000000	.000000	.000000
3FIL12	0.717683	0.717683	0.717683	.000000	.000000	.000000
3FIL13	0.717683	0.717683	0.717683	.000000	.000000	.000000
3FIL14	0.717683	0.717683	0.717683	.000000	.000000	.000000
3FIL15	0.717683	0.717683	0.717683	.000000	.000000	.000000
4FIL10	0.395483	0.395483	0.395483	.000000	.000000	.000000
4FIL11	0.395483	0.395483	0.395483	.000000	.000000	.000000
4FIL12	0.395483	0.395483	0.395483	.000000	.000000	.000000
4FIL13	0.395483	0.395483	0.395483	.000000	.000000	.000000
4FIL14	0.395483	0.395483	0.395483	.000000	.000000	.000000
4FIL15	0.395483	0.395483	0.395483	.000000	.000000	.000000
5FIL10	0.029064	0.029064	0.029064	.000000	.000000	.000000
5FIL11	0.029064	0.029064	0.029064	.000000	.000000	.000000
5FIL12	0.029064	0.029064	0.029064	.000000	.000000	.000000
5FIL13	0.029064	0.029064	0.029064	.000000	.000000	.000000
5FIL14	0.029064	0.029064	0.029064	.000000	.000000	.000000
5FIL15	0.022899	0.022899	0.022899	.000000	.000000	.000000

T O T A L A S S E M B L E D J O I N T M A S S E S

IN GLOBAL COORDINATES

	UX	UY	UZ	RX	RY	RZ
TOTAL	119.830734	119.830734	119.830734	.000000	.000000	.000000

T O T A L A C C E L E R A T E D M A S S A N D L O C A T I O N

TOTAL MASS ACTIVATED BY ACCELERATION LOADS, IN GLOBAL COORDINATES

	UX	UY	UZ
MASS	119.220774	.000000	119.220774
X-LOC	528.263041	.000000	528.263041
Y-LOC	120.000000	.000000	120.000000
Z-LOC	471.157058	.000000	471.157058

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M O D A L P E R I O D S A N D F R E Q U E N C I E S

MODE	PERIOD (TIME)	FREQUENCY (CYC/TIME)	FREQUENCY (RAD/TIME)	EIGENVALUE (RAD/TIME)**2
1	0.304217	3.287131	20.653654	426.573409
2	0.133466	7.492549	47.077073	2216.251
3	0.130517	7.661816	48.140607	2317.518
4	0.127478	7.844518	49.288561	2429.362
5	0.124831	8.010811	50.333407	2533.452
6	0.124516	8.031128	50.461068	2546.319
7	0.124114	8.057098	50.624242	2562.814
8	0.123831	8.075547	50.740156	2574.563
9	0.123687	8.084893	50.798880	2580.526
10	0.123619	8.089377	50.827055	2583.390
11	0.123567	8.092801	50.848569	2585.577
12	0.123534	8.094968	50.862183	2586.962
13	0.123513	8.096313	50.870634	2587.821
14	0.123498	8.097298	50.876823	2588.451
15	0.123489	8.097887	50.880526	2588.828
16	0.123485	8.098121	50.881996	2588.977
17	0.122621	8.155178	51.240498	2625.589
18	0.111606	8.960110	56.298033	3169.469
19	0.107829	9.273949	58.269938	3395.386
20	0.101229	9.878613	62.069154	3852.580
21	0.099594	10.040771	63.088025	3980.099
22	0.096302	10.383982	65.244480	4256.842
23	0.095584	10.461969	65.734490	4321.023
24	0.094138	10.622743	66.744662	4454.850
25	0.093772	10.664201	67.005152	4489.690
26	0.093582	10.685795	67.140831	4507.891
27	0.093359	10.711375	67.301557	4529.500
28	0.093214	10.727974	67.405848	4543.548
29	0.093145	10.735916	67.455747	4550.278
30	0.093100	10.741175	67.488794	4554.737
31	0.093067	10.744898	67.512188	4557.895
32	0.093048	10.747092	67.525968	4559.756
33	0.093042	10.747886	67.530962	4560.431
34	0.092292	10.835185	68.079478	4634.815
35	0.091714	10.903422	68.508219	4693.376
36	0.088433	11.307939	71.049876	5048.085
37	0.083544	11.969683	75.207736	5656.204
38	0.080376	12.441453	78.171956	6110.855
39	0.079903	12.515233	78.635529	6183.546
40	0.078656	12.713666	79.882318	6381.185
41	0.077056	12.977602	81.540676	6648.882
42	0.076404	13.088369	82.236648	6762.866
43	0.076141	13.133542	82.520476	6809.629
44	0.075700	13.210120	83.001635	6889.271
45	0.075465	13.251250	83.260059	6932.237
46	0.075342	13.272886	83.396005	6954.894
47	0.075265	13.286455	83.481262	6969.121
48	0.075213	13.295551	83.538410	6978.666
49	0.075184	13.300676	83.570613	6984.047
50	0.075168	13.303520	83.588482	6987.034
51	0.075110	13.313860	83.653448	6997.899
52	0.073540	13.598028	85.438932	7299.811
53	0.071414	14.002931	87.983012	7741.010
54	0.069736	14.339881	90.100128	8118.033
55	0.067680	14.775460	92.836955	8618.700
56	0.064059	15.610487	98.083584	9620.389
57	0.063778	15.679387	98.516496	9705.500
58	0.062604	15.973406	100.363870	10072.906
59	0.061880	16.160363	101.538552	10310.078

60	0.061165	16.349169	102.724858	10552.396
61	0.060851	16.433654	103.255694	10661.738
62	0.060669	16.482870	103.564926	10725.694
63	0.060575	16.508531	103.726161	10759.117
64	0.060525	16.522197	103.812026	10776.937
65	0.060482	16.533877	103.885414	10792.179
66	0.060460	16.539964	103.923656	10800.126
67	0.060442	16.544835	103.954265	10806.489
68	0.060059	16.650408	104.617597	10944.842
69	0.058153	17.195898	108.045017	11673.726
70	0.057824	17.293821	108.660281	11807.057
71	0.055417	18.045158	113.381070	12855.267
72	0.055206	18.113821	113.812491	12953.283
73	0.051063	19.583618	123.047499	15140.687
74	0.048025	20.822567	130.832046	17117.024
75	0.046694	21.416206	134.561990	18106.929
76	0.045506	21.975313	138.074966	19064.696
77	0.044481	22.481283	141.254065	19952.711
78	0.044366	22.539866	141.622155	20056.835
79	0.040423	24.738277	155.435180	24160.095
80	0.038341	26.082014	163.878127	26856.040
81	0.037307	26.804576	168.418115	28364.662
82	0.036955	27.060044	170.023268	28907.912
83	0.035975	27.796736	174.652041	30503.336
84	0.034640	28.868178	181.384110	32900.195
85	0.033830	29.559233	185.726141	34494.199
86	0.032712	30.570187	192.078151	36894.016
87	0.031486	31.760024	199.554113	39821.844

-------- THE FOLLOWING ARE RESIDUAL-MASS MODES --------

88	0.026164	38.220803	240.148389	57671.249
89	0.023472	42.603143	267.683443	71654.426

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M O D A L P A R T I C I P A T I O N F A C T O R S

FOR UNIT ACCELERATION LOADS IN GLOBAL COORDINATES

MODE	PERIOD	UX	UY	UZ
1	0.304217	9.720867	.000000	-0.255284
2	0.133466	2.386438	.000000	1.398520
3	0.130517	-2.598730	.000000	-0.885586
4	0.127478	-0.900072	.000000	-0.410219
5	0.124831	0.379964	.000000	-0.289576
6	0.124516	1.542902	.000000	-1.399017
7	0.124114	-0.027041	.000000	0.131891
8	0.123831	0.037073	.000000	0.048143
9	0.123687	-0.046065	.000000	0.012745
10	0.123619	-0.016999	.000000	0.005032
11	0.123567	0.002192	.000000	-0.030109
12	0.123534	0.014604	.000000	-0.028071
13	0.123513	-0.039727	.000000	-0.001266
14	0.123498	-0.005405	.000000	0.006874
15	0.123489	0.001914	.000000	-0.017808
16	0.123485	0.005975	.000000	-0.029944
17	0.122621	1.539380	.000000	-1.776203
18	0.111606	-0.333935	.000000	0.220798
19	0.107829	-1.701779	.000000	-0.117269
20	0.101229	-0.324032	.000000	-1.561976
21	0.099594	-0.238477	.000000	-3.115072

22	0.096302	0.271081	.000000	2.148718
23	0.095584	-0.068223	.000000	-1.193230
24	0.094138	0.091807	.000000	-0.777935
25	0.093772	-0.014240	.000000	0.695390
26	0.093582	0.035479	.000000	0.057889
27	0.093359	-0.071853	.000000	0.142821
28	0.093214	-0.026172	.000000	0.244176
29	0.093145	0.016482	.000000	0.043291
30	0.093100	-0.038613	.000000	0.125476
31	0.093067	0.010590	.000000	-0.066083
32	0.093048	0.024974	.000000	-0.106255
33	0.093042	0.022631	.000000	-0.136971
34	0.092292	-0.382658	.000000	0.611070
35	0.091714	0.526039	.000000	-3.176381
36	0.088433	0.195123	.000000	-4.564388
37	0.083544	0.186539	.000000	1.302092
38	0.080376	-0.225845	.000000	1.136519
39	0.079903	-0.151063	.000000	-2.493201
40	0.078656	-0.385825	.000000	-2.783999
41	0.077056	0.141156	.000000	-0.045373
42	0.076404	0.157857	.000000	0.213854
43	0.076141	-0.033612	.000000	0.028226
44	0.075700	-0.017021	.000000	-0.067450
45	0.075465	-0.018269	.000000	0.004742
46	0.075342	0.017849	.000000	0.008048
47	0.075265	0.010054	.000000	-0.019785
48	0.075213	-0.007063	.000000	0.025861
49	0.075184	-0.004570	.000000	-0.007507
50	0.075168	0.004344	.000000	-0.004028
51	0.075110	0.011881	.000000	-0.166106
52	0.073540	0.015272	.000000	-0.888191
53	0.071414	0.175471	.000000	2.720341
54	0.069736	0.189912	.000000	0.562409
55	0.067680	0.011124	.000000	3.120034
56	0.064059	-0.069813	.000000	1.536019
57	0.063778	-0.135650	.000000	1.545903
58	0.062604	0.085522	.000000	1.466007
59	0.061880	0.079351	.000000	0.515311
60	0.061165	-0.022104	.000000	-0.272420
61	0.060851	-0.018271	.000000	-0.000665
62	0.060669	-0.000702	.000000	0.001767
63	0.060575	0.005206	.000000	0.059188
64	0.060525	0.008715	.000000	-0.003463
65	0.060482	0.003287	.000000	0.012285
66	0.060460	0.002240	.000000	0.039702
67	0.060442	0.000447	.000000	0.003736
68	0.060059	-0.075807	.000000	-0.324670
69	0.058153	0.059327	.000000	0.048050
70	0.057824	0.070808	.000000	0.112030
71	0.055417	0.092785	.000000	-0.205585
72	0.055206	0.097713	.000000	0.228003
73	0.051063	-0.050977	.000000	-1.857756
74	0.048025	0.115618	.000000	0.390337
75	0.046694	0.012951	.000000	0.231147
76	0.045506	0.122556	.000000	-0.042860
77	0.044481	0.303828	.000000	-0.407589
78	0.044366	0.494026	.000000	0.431781
79	0.040423	0.008258	.000000	0.346333
80	0.038341	0.275216	.000000	-0.161763
81	0.037307	-0.038760	.000000	1.402945
82	0.036955	-0.000393	.000000	-0.451314
83	0.035975	-0.260685	.000000	-0.179979
84	0.034640	0.338057	.000000	0.160854

85	0.033830	0.058406	.000000	0.240756
86	0.032712	0.221743	.000000	0.508911
87	0.031486	0.271889	.000000	-0.180123
-------- THE FOLLOWING ARE RESIDUAL-MASS MODES --------				
88	0.026164	-1.147234	.000000	0.038251
89	0.023472	0.000264	.000000	-2.936270

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M O D A L P A R T I C I P A T I N G M A S S R A T I O S

MODE	PERIOD	INDIVIDUAL MODE (PERCENT)			CUMULATIVE SUM (PERCENT)		
		UX	UY	UZ	UX	UY	UZ
1	0.304217	79.2607	0.0000	0.0547	79.2607	0.0000	0.0547
2	0.133466	4.7769	0.0000	1.6405	84.0377	0.0000	1.6952
3	0.130517	5.6646	0.0000	0.6578	89.7023	0.0000	2.3530
4	0.127478	0.6795	0.0000	0.1411	90.3818	0.0000	2.4942
5	0.124831	0.1211	0.0000	0.0703	90.5029	0.0000	2.5645
6	0.124516	1.9968	0.0000	1.6417	92.4996	0.0000	4.2062
7	0.124114	0.0006	0.0000	0.0146	92.5003	0.0000	4.2208
8	0.123831	0.0012	0.0000	0.0019	92.5014	0.0000	4.2227
9	0.123687	0.0018	0.0000	0.0001	92.5032	0.0000	4.2229
10	0.123619	0.0002	0.0000	0.0000	92.5034	0.0000	4.2229
11	0.123567	0.0000	0.0000	0.0008	92.5034	0.0000	4.2237
12	0.123534	0.0002	0.0000	0.0007	92.5036	0.0000	4.2243
13	0.123513	0.0013	0.0000	0.0000	92.5049	0.0000	4.2243
14	0.123498	0.0000	0.0000	0.0000	92.5050	0.0000	4.2244
15	0.123489	0.0000	0.0000	0.0003	92.5050	0.0000	4.2246
16	0.123485	0.0000	0.0000	0.0008	92.5050	0.0000	4.2254
17	0.122621	1.9877	0.0000	2.6463	94.4926	0.0000	6.8716
18	0.111606	0.0935	0.0000	0.0409	94.5862	0.0000	6.9125
19	0.107829	2.4292	0.0000	0.0115	97.0153	0.0000	6.9241
20	0.101229	0.0881	0.0000	2.0464	97.1034	0.0000	8.9705
21	0.099594	0.0477	0.0000	8.1392	97.1511	0.0000	17.1097
22	0.096302	0.0616	0.0000	3.8726	97.2127	0.0000	20.9824
23	0.095584	0.0039	0.0000	1.1943	97.2166	0.0000	22.1766
24	0.094138	0.0071	0.0000	0.5076	97.2237	0.0000	22.6843
25	0.093772	0.0002	0.0000	0.4056	97.2239	0.0000	23.0899
26	0.093582	0.0011	0.0000	0.0028	97.2249	0.0000	23.0927
27	0.093359	0.0043	0.0000	0.0171	97.2293	0.0000	23.1098
28	0.093214	0.0006	0.0000	0.0500	97.2298	0.0000	23.1598
29	0.093145	0.0002	0.0000	0.0016	97.2301	0.0000	23.1614
30	0.093100	0.0013	0.0000	0.0132	97.2313	0.0000	23.1746
31	0.093067	0.0001	0.0000	0.0037	97.2314	0.0000	23.1782
32	0.093048	0.0005	0.0000	0.0095	97.2319	0.0000	23.1877
33	0.093042	0.0004	0.0000	0.0157	97.2324	0.0000	23.2034
34	0.092292	0.1228	0.0000	0.3132	97.3552	0.0000	23.5166
35	0.091714	0.2321	0.0000	8.4628	97.5873	0.0000	31.9794
36	0.088433	0.0319	0.0000	17.4748	97.6192	0.0000	49.4543
37	0.083544	0.0292	0.0000	1.4221	97.6484	0.0000	50.8764
38	0.080376	0.0428	0.0000	1.0834	97.6912	0.0000	51.9598
39	0.079903	0.0191	0.0000	5.2139	97.7103	0.0000	57.1737
40	0.078656	0.1249	0.0000	6.5011	97.8352	0.0000	63.6748
41	0.077056	0.0167	0.0000	0.0017	97.8519	0.0000	63.6765
42	0.076404	0.0209	0.0000	0.0384	97.8728	0.0000	63.7149
43	0.076141	0.0009	0.0000	0.0007	97.8738	0.0000	63.7156
44	0.075700	0.0002	0.0000	0.0038	97.8740	0.0000	63.7194
45	0.075465	0.0003	0.0000	0.0000	97.8743	0.0000	63.7194
46	0.075342	0.0003	0.0000	0.0001	97.8746	0.0000	63.7194

47	0.075265	0.0001	0.0000	0.0003	97.8746	0.0000	63.7198
48	0.075213	0.0000	0.0000	0.0006	97.8747	0.0000	63.7203
49	0.075184	0.0000	0.0000	0.0000	97.8747	0.0000	63.7204
50	0.075168	0.0000	0.0000	0.0000	97.8747	0.0000	63.7204
51	0.075110	0.0001	0.0000	0.0231	97.8748	0.0000	63.7435
52	0.073540	0.0002	0.0000	0.6617	97.8750	0.0000	64.4052
53	0.071414	0.0258	0.0000	6.2072	97.9009	0.0000	70.6124
54	0.069736	0.0303	0.0000	0.2653	97.9311	0.0000	70.8777
55	0.067680	0.0001	0.0000	8.1652	97.9312	0.0000	79.0429
56	0.064059	0.0041	0.0000	1.9790	97.9353	0.0000	81.0219
57	0.063778	0.0154	0.0000	2.0045	97.9507	0.0000	83.0264
58	0.062604	0.0061	0.0000	1.8027	97.9569	0.0000	84.8291
59	0.061880	0.0053	0.0000	0.2227	97.9621	0.0000	85.0519
60	0.061165	0.0004	0.0000	0.0622	97.9626	0.0000	85.1141
61	0.060851	0.0003	0.0000	0.0000	97.9628	0.0000	85.1141
62	0.060669	0.0000	0.0000	0.0000	97.9628	0.0000	85.1141
63	0.060575	0.0000	0.0000	0.0029	97.9629	0.0000	85.1170
64	0.060525	0.0001	0.0000	0.0000	97.9629	0.0000	85.1171
65	0.060482	0.0000	0.0000	0.0001	97.9629	0.0000	85.1172
66	0.060460	0.0000	0.0000	0.0013	97.9629	0.0000	85.1185
67	0.060442	0.0000	0.0000	0.0000	97.9629	0.0000	85.1185
68	0.060059	0.0048	0.0000	0.0884	97.9678	0.0000	85.2069
69	0.058153	0.0030	0.0000	0.0019	97.9707	0.0000	85.2089
70	0.057824	0.0042	0.0000	0.0105	97.9749	0.0000	85.2194
71	0.055417	0.0072	0.0000	0.0355	97.9821	0.0000	85.2548
72	0.055206	0.0080	0.0000	0.0436	97.9901	0.0000	85.2985
73	0.051063	0.0022	0.0000	2.8948	97.9923	0.0000	88.1933
74	0.048025	0.0112	0.0000	0.1278	98.0035	0.0000	88.3211
75	0.046694	0.0001	0.0000	0.0448	98.0037	0.0000	88.3659
76	0.045506	0.0126	0.0000	0.0015	98.0163	0.0000	88.3675
77	0.044481	0.0774	0.0000	0.1393	98.0937	0.0000	88.5068
78	0.044366	0.2047	0.0000	0.1564	98.2984	0.0000	88.6632
79	0.040423	0.0001	0.0000	0.1006	98.2985	0.0000	88.7638
80	0.038341	0.0635	0.0000	0.0219	98.3620	0.0000	88.7857
81	0.037307	0.0013	0.0000	1.6509	98.3633	0.0000	90.4367
82	0.036955	0.0000	0.0000	0.1708	98.3633	0.0000	90.6075
83	0.035975	0.0570	0.0000	0.0272	98.4203	0.0000	90.6347
84	0.034640	0.0959	0.0000	0.0217	98.5161	0.0000	90.6564
85	0.033830	0.0029	0.0000	0.0486	98.5190	0.0000	90.7050
86	0.032712	0.0412	0.0000	0.2172	98.5602	0.0000	90.9222
87	0.031486	0.0620	0.0000	0.0272	98.6222	0.0000	90.9495
-------- THE FOLLOWING ARE RESIDUAL-MASS MODES --------							
88	0.026164	1.1040	0.0000	0.0012	99.7262	0.0000	90.9507
89	0.023472	0.0000	0.0000	7.2317	99.7262	0.0000	98.1824

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M O D A L L O A D P A R T I C I P A T I O N R A T I O S

LOAD, ACC, OR NLLINK/DEF (TYPE)	(NAME)	STATIC (PERCENT)	DYNAMIC (PERCENT)	EFFECTIVE PERIOD
LOAD	DEAD	97.3806	17.0036	0.078160
LOAD	MANIFOLD	0.0000	0.0000	-INFINITY-
LOAD	TBAR	97.3284	66.6997	0.070111
LOAD	TOPCOVER	98.9551	82.6576	0.095365
LOAD	PEWALLS	98.8931	61.7308	0.113741
LOAD	HOTBASIN	0.0000	0.0000	-INFINITY-
LOAD	DRIFTELM	92.1675	34.7259	0.077352
LOAD	FANMOTOR	98.7191	87.5190	0.073893

LOAD	CABLETRY	0.0000	0.0000	-INFINITY-
LOAD	LOUVERWL	0.0000	0.0000	-INFINITY-
LOAD	SECDIST	93.4849	40.4743	0.084258
ACC	UX	100.0013	99.7262	0.299327
ACC	UY	0.0000	0.0000	-INFINITY-
ACC	UZ	99.9941	98.1824	0.097330
ACC	RX	0.0000	0.0000	-INFINITY-
ACC	RY	0.0000	0.0000	-INFINITY-
ACC	RZ	0.0000	0.0000	-INFINITY-

(*) NOTE: DYNAMIC LOAD PARTICIPATION RATIO EXCLUDES LOAD APPLIED
TO NON-MASS DEGREES OF FREEDOM

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R E S P O N S E S P E C T R U M A C C E L E R A T I O N S

IN RESPONSE-SPECTRUM LOCAL COORDINATES

SPEC HORIZ ----------

MODE	PERIOD	DAMP-RATIO	U1	U2	U3
1	0.304217	0.050000	85.261512	.000000	.000000
2	0.133466	0.050000	87.225960	.000000	.000000
3	0.130517	0.050000	87.032917	.000000	.000000
4	0.127478	0.050000	86.885279	.000000	.000000
5	0.124831	0.050000	86.787169	.000000	.000000
6	0.124516	0.050000	86.775461	.000000	.000000
7	0.124114	0.050000	86.760581	.000000	.000000
8	0.123831	0.050000	86.750069	.000000	.000000
9	0.123687	0.050000	86.744761	.000000	.000000
10	0.123619	0.050000	86.742219	.000000	.000000
11	0.123567	0.050000	86.740280	.000000	.000000
12	0.123534	0.050000	86.739054	.000000	.000000
13	0.123513	0.050000	86.738293	.000000	.000000
14	0.123498	0.050000	86.737736	.000000	.000000
15	0.123489	0.050000	86.737403	.000000	.000000
16	0.123485	0.050000	86.737271	.000000	.000000
17	0.122621	0.050000	86.705239	.000000	.000000
18	0.111606	0.050000	86.093835	.000000	.000000
19	0.107829	0.050000	85.821148	.000000	.000000
20	0.101229	0.050000	85.119318	.000000	.000000
21	0.099594	0.050000	84.929654	.000000	.000000
22	0.096302	0.050000	84.625573	.000000	.000000
23	0.095584	0.050000	84.571759	.000000	.000000
24	0.094138	0.050000	84.463313	.000000	.000000
25	0.093772	0.050000	84.435879	.000000	.000000
26	0.093582	0.050000	84.421674	.000000	.000000
27	0.093359	0.050000	84.404921	.000000	.000000
28	0.093214	0.050000	84.394093	.000000	.000000
29	0.093145	0.050000	84.388924	.000000	.000000
30	0.093100	0.050000	84.385505	.000000	.000000
31	0.093067	0.050000	84.383086	.000000	.000000
32	0.093048	0.050000	84.381663	.000000	.000000
33	0.093042	0.050000	84.381147	.000000	.000000
34	0.092292	0.050000	84.324952	.000000	.000000
35	0.091714	0.050000	84.281654	.000000	.000000
36	0.088433	0.050000	84.008579	.000000	.000000
37	0.083544	0.050000	83.569852	.000000	.000000
38	0.080376	0.050000	83.205736	.000000	.000000

39	0.079903	0.050000	83.133090	.000000	.000000
40	0.078656	0.050000	82.941892	.000000	.000000
41	0.077056	0.050000	82.696639	.000000	.000000
42	0.076404	0.050000	82.596659	.000000	.000000
43	0.076141	0.050000	82.556370	.000000	.000000
44	0.075700	0.050000	82.488699	.000000	.000000
45	0.075465	0.050000	82.452677	.000000	.000000
46	0.075342	0.050000	82.433817	.000000	.000000
47	0.075265	0.050000	82.422020	.000000	.000000
48	0.075213	0.050000	82.414126	.000000	.000000
49	0.075184	0.050000	82.409683	.000000	.000000
50	0.075168	0.050000	82.407219	.000000	.000000
51	0.075110	0.050000	82.398269	.000000	.000000
52	0.073540	0.050000	82.166847	.000000	.000000
53	0.071414	0.050000	81.862646	.000000	.000000
54	0.069736	0.050000	81.622595	.000000	.000000
55	0.067680	0.050000	81.329266	.000000	.000000
56	0.064059	0.050000	80.819598	.000000	.000000
57	0.063778	0.050000	80.779968	.000000	.000000
58	0.062604	0.050000	80.614698	.000000	.000000
59	0.061880	0.050000	80.512737	.000000	.000000
60	0.061165	0.050000	80.393031	.000000	.000000
61	0.060851	0.050000	80.331402	.000000	.000000
62	0.060669	0.050000	80.295792	.000000	.000000
63	0.060575	0.050000	80.277309	.000000	.000000
64	0.060525	0.050000	80.267490	.000000	.000000
65	0.060482	0.050000	80.259110	.000000	.000000
66	0.060460	0.050000	80.254748	.000000	.000000
67	0.060442	0.050000	80.251259	.000000	.000000
68	0.060059	0.050000	80.176150	.000000	.000000
69	0.058153	0.050000	79.802755	.000000	.000000
70	0.057824	0.050000	79.738220	.000000	.000000
71	0.055417	0.050000	79.266359	.000000	.000000
72	0.055206	0.050000	79.225189	.000000	.000000
73	0.051063	0.050000	78.547896	.000000	.000000
74	0.048025	0.050000	77.845441	.000000	.000000
75	0.046694	0.050000	77.463717	.000000	.000000
76	0.045506	0.050000	77.123056	.000000	.000000
77	0.044481	0.050000	76.871014	.000000	.000000
78	0.044366	0.050000	76.848110	.000000	.000000
79	0.040423	0.050000	76.059168	.000000	.000000
80	0.038341	0.050000	75.534332	.000000	.000000
81	0.037307	0.050000	75.273869	.000000	.000000
82	0.036955	0.050000	75.185109	.000000	.000000
83	0.035975	0.050000	74.939056	.000000	.000000
84	0.034640	0.050000	74.604382	.000000	.000000
85	0.033830	0.050000	74.401396	.000000	.000000
86	0.032712	0.050000	74.120978	.000000	.000000
87	0.031486	0.050000	73.693900	.000000	.000000
88	0.026164	0.050000	71.729933	.000000	.000000
89	0.023472	0.050000	70.752385	.000000	.000000

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R E S P O N S E S P E C T R U M M O D A L A M P L I T U D E S

IN RESPONSE-SPECTRUM LOCAL COORDINATES

SPEC HORIZ ----------

MODE	PERIOD	U1	U2	U3
1	0.304217	1.942962	.000000	.000000
2	0.133466	0.093924	.000000	.000000
3	0.130517	-0.097594	.000000	.000000
4	0.127478	-0.032191	.000000	.000000
5	0.124831	0.013016	.000000	.000000
6	0.124516	0.052580	.000000	.000000
7	0.124114	-0.000915	.000000	.000000
8	0.123831	0.001249	.000000	.000000
9	0.123687	-0.001548	.000000	.000000
10	0.123619	-0.000571	.000000	.000000
11	0.123567	7.35E-05	.000000	.000000
12	0.123534	0.000490	.000000	.000000
13	0.123513	-0.001332	.000000	.000000
14	0.123498	-0.000181	.000000	.000000
15	0.123489	6.41E-05	.000000	.000000
16	0.123485	0.000200	.000000	.000000
17	0.122621	0.050835	.000000	.000000
18	0.111606	-0.009071	.000000	.000000
19	0.107829	-0.043014	.000000	.000000
20	0.101229	-0.007159	.000000	.000000
21	0.099594	-0.005089	.000000	.000000
22	0.096302	0.005389	.000000	.000000
23	0.095584	-0.001335	.000000	.000000
24	0.094138	0.001741	.000000	.000000
25	0.093772	-0.000268	.000000	.000000
26	0.093582	0.000664	.000000	.000000
27	0.093359	-0.001339	.000000	.000000
28	0.093214	-0.000486	.000000	.000000
29	0.093145	0.000306	.000000	.000000
30	0.093100	-0.000715	.000000	.000000
31	0.093067	0.000196	.000000	.000000
32	0.093048	0.000462	.000000	.000000
33	0.093042	0.000419	.000000	.000000
34	0.092292	-0.006962	.000000	.000000
35	0.091714	0.009446	.000000	.000000
36	0.088433	0.003247	.000000	.000000
37	0.083544	0.002756	.000000	.000000
38	0.080376	-0.003075	.000000	.000000
39	0.079903	-0.002031	.000000	.000000
40	0.078656	-0.005015	.000000	.000000
41	0.077056	0.001756	.000000	.000000
42	0.076404	0.001928	.000000	.000000
43	0.076141	-0.000407	.000000	.000000
44	0.075700	-0.000204	.000000	.000000
45	0.075465	-0.000217	.000000	.000000
46	0.075342	0.000212	.000000	.000000
47	0.075265	0.000119	.000000	.000000
48	0.075213	-8.34E-05	.000000	.000000
49	0.075184	-5.39E-05	.000000	.000000
50	0.075168	5.12E-05	.000000	.000000
51	0.075110	0.000140	.000000	.000000
52	0.073540	0.000172	.000000	.000000
53	0.071414	0.001856	.000000	.000000
54	0.069736	0.001909	.000000	.000000
55	0.067680	0.000105	.000000	.000000
56	0.064059	-0.000586	.000000	.000000
57	0.063778	-0.001129	.000000	.000000
58	0.062604	0.000684	.000000	.000000
59	0.061880	0.000620	.000000	.000000
60	0.061165	-0.000168	.000000	.000000
61	0.060851	-0.000138	.000000	.000000
62	0.060669	-5.25E-06	.000000	.000000

63	0.060575	3.88E-05	.000000	.000000
64	0.060525	6.49E-05	.000000	.000000
65	0.060482	2.44E-05	.000000	.000000
66	0.060460	1.66E-05	.000000	.000000
67	0.060442	3.32E-06	.000000	.000000
68	0.060059	-0.000555	.000000	.000000
69	0.058153	0.000406	.000000	.000000
70	0.057824	0.000478	.000000	.000000
71	0.055417	0.000572	.000000	.000000
72	0.055206	0.000598	.000000	.000000
73	0.051063	-0.000264	.000000	.000000
74	0.048025	0.000526	.000000	.000000
75	0.046694	5.54E-05	.000000	.000000
76	0.045506	0.000496	.000000	.000000
77	0.044481	0.001171	.000000	.000000
78	0.044366	0.001893	.000000	.000000
79	0.040423	2.60E-05	.000000	.000000
80	0.038341	0.000774	.000000	.000000
81	0.037307	-0.000103	.000000	.000000
82	0.036955	-1.02E-06	.000000	.000000
83	0.035975	-0.000640	.000000	.000000
84	0.034640	0.000767	.000000	.000000
85	0.033830	0.000126	.000000	.000000
86	0.032712	0.000445	.000000	.000000
87	0.031486	0.000503	.000000	.000000
88	0.026164	-0.001427	.000000	.000000
89	0.023472	2.61E-07	.000000	.000000

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R E S P O N S E S P E C T R U M M O D A L C O R R E L A T I O N S

PARTIAL MATRIX SHOWING CORRELATION FACTORS BETWEEN NEARBY MODES

SPEC HORIZ ----------

MODE I	PERIOD	I	I+1	I+2	I+3	I+4	I+5	I+6	I+7	I+8	I+9
1	0.304217	1.000	0.013	0.012	0.011	0.011	0.011	0.010	0.010	0.010	0.010
2	0.133466	1.000	0.952	0.826	0.690	0.674	0.654	0.640	0.633	0.629	0.627
3	0.130517	1.000	0.947	0.834	0.818	0.798	0.783	0.776	0.772	0.769	0.767
4	0.127478	1.000	0.958	0.948	0.933	0.922	0.916	0.914	0.911	0.910	0.909
5	0.124831	1.000	0.999	0.997	0.994	0.992	0.991	0.990	0.989	0.989	0.989
6	0.124516	1.000	0.999	0.997	0.996	0.995	0.994	0.994	0.993	0.993	0.993
7	0.124114	1.000	0.999	0.999	0.998	0.998	0.998	0.998	0.998	0.997	0.997
8	0.123831	1.000	1.000	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.990
9	0.123687	1.000	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.993	0.485
10	0.123619	1.000	1.000	1.000	1.000	1.000	1.000	1.000	0.993	0.488	0.348
11	0.123567	1.000	1.000	1.000	1.000	1.000	1.000	0.994	0.490	0.349	0.199
12	0.123534	1.000	1.000	1.000	1.000	1.000	0.995	0.492	0.350	0.200	0.176
13	0.123513	1.000	1.000	1.000	1.000	0.995	0.492	0.350	0.200	0.176	0.137
14	0.123498	1.000	1.000	1.000	0.995	0.493	0.351	0.200	0.176	0.137	0.130
15	0.123489	1.000	1.000	0.995	0.493	0.351	0.200	0.176	0.138	0.131	0.118
16	0.123485	1.000	0.995	0.493	0.351	0.201	0.176	0.138	0.131	0.118	0.115
17	0.122621	1.000	0.529	0.376	0.212	0.186	0.145	0.137	0.123	0.120	0.119
18	0.111606	1.000	0.894	0.511	0.434	0.314	0.293	0.255	0.247	0.242	0.237
19	0.107829	1.000	0.714	0.612	0.438	0.407	0.350	0.338	0.331	0.324	0.319
20	0.101229	1.000	0.974	0.800	0.752	0.654	0.630	0.618	0.604	0.594	0.590
21	0.099594	1.000	0.898	0.855	0.759	0.733	0.720	0.705	0.695	0.690	0.687
22	0.096302	1.000	0.994	0.951	0.934	0.924	0.912	0.904	0.900	0.897	0.895
23	0.095584	1.000	0.977	0.965	0.957	0.947	0.941	0.937	0.935	0.933	0.932

24	0.094138	1.000	0.998	0.997	0.993	0.990	0.989	0.988	0.987	0.987	0.986
25	0.093772	1.000	1.000	0.998	0.996	0.996	0.995	0.994	0.994	0.994	0.975
26	0.093582	1.000	0.999	0.998	0.998	0.997	0.997	0.997	0.997	0.981	0.961
27	0.093359	1.000	1.000	0.999	0.999	0.999	0.999	0.999	0.987	0.969	0.773
28	0.093214	1.000	1.000	1.000	1.000	1.000	1.000	0.990	0.974	0.783	0.454
29	0.093145	1.000	1.000	1.000	1.000	1.000	0.992	0.977	0.787	0.457	0.314
30	0.093100	1.000	1.000	1.000	1.000	0.992	0.978	0.791	0.459	0.315	0.298
31	0.093067	1.000	1.000	1.000	0.993	0.979	0.793	0.461	0.316	0.299	0.260
32	0.093048	1.000	1.000	0.993	0.980	0.794	0.462	0.317	0.300	0.260	0.218
33	0.093042	1.000	0.993	0.980	0.795	0.462	0.317	0.300	0.260	0.218	0.203
34	0.092292	1.000	0.996	0.846	0.501	0.342	0.324	0.280	0.234	0.217	0.211
35	0.091714	1.000	0.883	0.534	0.364	0.344	0.296	0.247	0.229	0.223	0.212
36	0.088433	1.000	0.755	0.522	0.492	0.420	0.344	0.317	0.307	0.291	0.283
37	0.083544	1.000	0.870	0.834	0.733	0.604	0.555	0.537	0.506	0.491	0.483
38	0.080376	1.000	0.997	0.955	0.849	0.795	0.773	0.735	0.715	0.705	0.698
39	0.079903	1.000	0.976	0.884	0.833	0.811	0.774	0.753	0.743	0.736	0.732
40	0.078656	1.000	0.959	0.922	0.904	0.872	0.853	0.843	0.837	0.833	0.831
41	0.077056	1.000	0.993	0.986	0.969	0.958	0.952	0.948	0.945	0.943	0.942
42	0.076404	1.000	0.999	0.991	0.985	0.981	0.978	0.976	0.975	0.974	0.972
43	0.076141	1.000	0.997	0.992	0.989	0.987	0.985	0.984	0.984	0.982	0.892
44	0.075700	1.000	0.999	0.998	0.997	0.996	0.995	0.995	0.994	0.923	0.746
45	0.075465	1.000	1.000	0.999	0.999	0.999	0.998	0.998	0.937	0.766	0.615
46	0.075342	1.000	1.000	1.000	1.000	0.999	0.999	0.945	0.777	0.625	0.464
47	0.075265	1.000	1.000	1.000	1.000	1.000	0.949	0.783	0.631	0.469	0.277
48	0.075213	1.000	1.000	1.000	1.000	0.952	0.788	0.636	0.472	0.278	0.267
49	0.075184	1.000	1.000	1.000	0.953	0.790	0.638	0.474	0.279	0.268	0.228
50	0.075168	1.000	1.000	0.954	0.792	0.639	0.475	0.280	0.269	0.229	0.208
51	0.075110	1.000	0.957	0.797	0.644	0.479	0.282	0.271	0.230	0.209	0.190
52	0.073540	1.000	0.921	0.780	0.591	0.343	0.329	0.277	0.250	0.226	0.217
53	0.071414	1.000	0.946	0.776	0.458	0.438	0.365	0.326	0.293	0.279	0.272
54	0.069736	1.000	0.918	0.580	0.556	0.461	0.411	0.367	0.349	0.339	0.334
55	0.067680	1.000	0.768	0.739	0.621	0.554	0.493	0.468	0.454	0.447	0.444
56	0.064059	1.000	0.998	0.950	0.893	0.824	0.791	0.771	0.761	0.756	0.751
57	0.063778	1.000	0.967	0.916	0.851	0.819	0.800	0.790	0.785	0.780	0.778
58	0.062604	1.000	0.987	0.949	0.925	0.910	0.902	0.897	0.894	0.892	0.890
59	0.061880	1.000	0.987	0.973	0.962	0.956	0.953	0.950	0.949	0.948	0.918
60	0.061165	1.000	0.997	0.993	0.991	0.989	0.988	0.987	0.986	0.968	0.797
61	0.060851	1.000	0.999	0.998	0.997	0.996	0.996	0.995	0.983	0.829	0.793
62	0.060669	1.000	1.000	0.999	0.999	0.999	0.999	0.990	0.848	0.812	0.549
63	0.060575	1.000	1.000	1.000	1.000	1.000	0.993	0.857	0.822	0.557	0.537
64	0.060525	1.000	1.000	1.000	1.000	0.994	0.862	0.827	0.562	0.541	0.256
65	0.060482	1.000	1.000	1.000	0.995	0.866	0.832	0.566	0.545	0.257	0.157
66	0.060460	1.000	1.000	0.996	0.868	0.834	0.568	0.547	0.258	0.157	0.129
67	0.060442	1.000	0.996	0.870	0.836	0.570	0.548	0.259	0.157	0.129	0.109
68	0.060059	1.000	0.906	0.874	0.607	0.584	0.274	0.165	0.135	0.113	0.098
69	0.058153	1.000	0.997	0.811	0.787	0.371	0.213	0.170	0.141	0.120	0.118
70	0.057824	1.000	0.847	0.823	0.392	0.223	0.178	0.147	0.125	0.123	0.071
71	0.055417	1.000	0.999	0.598	0.327	0.253	0.203	0.170	0.167	0.090	0.067
72	0.055206	1.000	0.621	0.339	0.261	0.210	0.175	0.171	0.092	0.068	0.059
73	0.051063	1.000	0.726	0.555	0.429	0.343	0.335	0.153	0.107	0.090	0.085
74	0.048025	1.000	0.927	0.775	0.629	0.614	0.251	0.163	0.134	0.125	0.105
75	0.046694	1.000	0.938	0.809	0.792	0.324	0.203	0.164	0.153	0.126	0.099
76	0.045506	1.000	0.951	0.939	0.415	0.253	0.201	0.186	0.152	0.117	0.100
77	0.044481	1.000	0.999	0.521	0.311	0.243	0.224	0.180	0.136	0.116	0.094
78	0.044366	1.000	0.535	0.318	0.248	0.229	0.184	0.139	0.118	0.095	0.077
79	0.040423	1.000	0.781	0.608	0.553	0.423	0.294	0.238	0.181	0.136	0.048
80	0.038341	1.000	0.930	0.880	0.711	0.492	0.389	0.283	0.203	0.062	0.038
81	0.037307	1.000	0.991	0.883	0.645	0.510	0.365	0.257	0.072	0.043	
82	0.036955	1.000	0.933	0.705	0.561	0.401	0.279	0.076	0.044		
83	0.035975	1.000	0.875	0.725	0.524	0.359	0.088	0.050			
84	0.034640	1.000	0.947	0.753	0.522	0.111	0.060				
85	0.033830	1.000	0.898	0.659	0.130	0.068					
86	0.032712	1.000	0.873	0.165	0.081						

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     87    0.031486 1.000 0.224 0.102
     88    0.026164 1.000 0.458
     89    0.023472 1.000


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R E S P O N S E   S P E C T R U M   B A S E   R E A C T I O N S

IN RESPONSE-SPECTRUM LOCAL COORDINATES

SPEC   HORIZ ------------------

   FOR EACH MODE, DUE TO SPECTRAL ACCELERATION IN DIRECTION U1:
```

MODE	F1	F2	F3	M1	M2	M3
1	8056.808	.000000	-211.583675	-25390.041	4.7967E+06	-966817.003
2	496.759444	.000000	291.115079	34933.809	-157958.541	-59611.133
3	587.767999	.000000	200.297431	24035.692	-173710.769	-70532.160
4	70.388260	.000000	32.080351	3849.642	-27539.640	-8446.591
5	12.529670	.000000	-9.549037	-1145.884	6877.721	-1503.560
6	206.573145	.000000	-187.308880	-22477.066	114487.221	-24788.777
7	0.063440	.000000	-0.309426	-37.131097	191.701344	-7.612803
8	0.119227	.000000	0.154830	18.579639	-131.008764	-14.307285
9	0.184072	.000000	-0.050929	-6.111447	10.707371	-22.088614
10	0.025064	.000000	-0.007420	-0.890419	4.814832	-3.007709
11	0.000417	.000000	-0.005725	-0.687044	4.149257	-0.050022
12	0.018498	.000000	-0.035557	-4.266851	22.151780	-2.219814
13	0.136893	.000000	0.004361	0.523373	-21.294134	-16.427199
14	0.002534	.000000	-0.003223	-0.386727	1.788120	-0.304071
15	0.000318	.000000	-0.002957	-0.354790	2.106408	-0.038137
16	0.003097	.000000	-0.015519	-1.862284	9.343692	-0.371619
17	205.464690	.000000	-237.073902	-28448.868	144856.726	-24655.763
18	9.600520	.000000	-6.347884	-761.746083	-17905.847	-1152.062
19	248.542506	.000000	17.127036	2055.244	37328.782	-29825.101
20	8.937271	.000000	43.081514	5169.782	-21844.082	-1072.472
21	4.830062	.000000	63.091967	7571.036	-29571.406	-579.607445
22	6.218725	.000000	49.292513	5915.102	-62860.944	-746.246987
23	0.393632	.000000	6.884649	826.157917	-5053.839	-47.235780
24	0.711903	.000000	-6.032368	-723.884104	5505.873	-85.428345
25	0.017122	.000000	-0.836116	-100.333911	432.447871	-2.054613
26	0.106266	.000000	0.173389	20.806739	162.087627	-12.751959
27	0.435770	.000000	-0.866174	-103.940873	878.709284	-52.292361
28	0.057806	.000000	-0.539320	-64.718365	320.726223	-6.936738
29	0.022926	.000000	0.060215	7.225815	-16.732287	-2.751123
30	0.125816	.000000	-0.408849	-49.061939	346.165587	-15.097964
31	0.009463	.000000	-0.059051	-7.086141	41.146442	-1.135547
32	0.052628	.000000	-0.223916	-26.869919	139.875066	-6.315409
33	0.043215	.000000	-0.261559	-31.387101	187.682119	-5.185805
34	12.347435	.000000	-19.717737	-2366.128	18862.559	-1481.692
35	23.322174	.000000	-140.826263	-16899.152	80665.812	-2798.661
36	3.198462	.000000	-74.819534	-8978.344	53205.093	-383.815422
37	2.907978	.000000	20.298407	2435.809	-5746.022	-348.957312
38	4.243995	.000000	-21.357017	-2562.842	17561.400	-509.279352
39	1.897105	.000000	31.310501	3757.260	-4346.511	-227.652598
40	12.346783	.000000	89.090829	10690.899	-3552.967	-1481.614
41	1.647729	.000000	-0.529647	-63.557675	1105.526	-197.727474
42	2.058204	.000000	2.788326	334.599174	1957.347	-246.984512
43	0.093268	.000000	-0.078324	-9.398929	283.253652	-11.192138
44	0.023897	.000000	0.094702	11.364185	6.156082	-2.867687
45	0.027520	.000000	-0.007144	-0.857259	13.294853	-3.302373

46	0.026261	.000000	0.011841	1.420886	18.880519	-3.151373
47	0.008332	.000000	-0.016395	-1.967409	4.836164	-0.999783
48	0.004111	.000000	-0.015053	-1.806388	7.856360	-0.493334
49	0.001721	.000000	0.002827	0.339288	1.040773	-0.206536
50	0.001555	.000000	-0.001442	-0.173054	-0.010236	-0.186631
51	0.011630	.000000	-0.162608	-19.512935	65.718446	-1.395648
52	0.019164	.000000	-1.114550	-133.745946	453.743604	-2.299696
53	2.520564	.000000	39.076444	4689.173	-10407.844	-302.467637
54	2.943838	.000000	8.717952	1046.154	-2756.109	-353.260500
55	0.010063	.000000	2.822650	338.718052	-774.465605	-1.207619
56	0.393908	.000000	-8.666675	-1040.001	6599.930	-47.269007
57	1.486421	.000000	-16.939676	-2032.761	12746.729	-178.370538
58	0.589622	.000000	10.107180	1212.862	-7294.581	-70.754605
59	0.506960	.000000	3.292218	395.066178	-1966.020	-60.835246
60	0.039279	.000000	0.484090	58.090832	-318.093528	-4.713440
61	0.026818	.000000	0.000976	0.117132	8.605283	-3.218137
62	3.95E-05	.000000	-0.000100	-0.011945	-0.478174	-0.004743
63	0.002175	.000000	0.024734	2.968070	-23.922036	-0.261036
64	0.006096	.000000	-0.002423	-0.290708	8.727357	-0.731555
65	0.000867	.000000	0.003241	0.388959	-0.363430	-0.104077
66	0.000403	.000000	0.007137	0.856451	-5.426012	-0.048320
67	1.60E-05	.000000	0.000134	0.016085	-0.319611	-0.001925
68	0.460749	.000000	1.973315	236.797838	-1325.786	-55.289846
69	0.280884	.000000	0.227490	27.298752	54.045630	-33.706114
70	0.399785	.000000	0.632531	75.903742	2098.011	-47.974251
71	0.682410	.000000	-1.512027	-181.443247	1351.390	-81.889252
72	0.756431	.000000	1.765049	211.805869	-243.186741	-90.771696
73	0.204119	.000000	7.438716	892.645937	-3796.509	-24.494303
74	1.040596	.000000	3.513159	421.579036	-5945.827	-124.871512
75	0.012993	.000000	0.231893	27.827107	-242.723621	-1.559125
76	1.158377	.000000	-0.405102	-48.612291	-3793.437	-139.005236
77	7.096052	.000000	-9.519450	-1142.334	4133.668	-851.526268
78	18.755646	.000000	16.392520	1967.102	-1042.374	-2250.678
79	0.005186	.000000	0.217523	26.102711	66.304248	-0.622372
80	5.721259	.000000	-3.362775	-403.532953	8305.584	-686.551022
81	0.113087	.000000	-4.093260	-491.191202	2635.140	-13.570463
82	1.16E-05	.000000	0.013322	1.598698	-3.523835	-0.001391
83	5.092608	.000000	3.515977	421.917263	-2072.337	-611.112989
84	8.525999	.000000	4.056839	486.820661	-3960.160	-1023.120
85	0.253801	.000000	1.046199	125.543889	-391.049491	-30.456141
86	3.644526	.000000	8.364360	1003.723	-6157.407	-437.343076
87	5.447717	.000000	-3.609045	-433.085358	4966.180	-653.726013
88	94.406984	.000000	-3.147751	-377.730165	14327.209	-11328.838
89	4.93E-06	.000000	-0.054816	-6.577945	27.154418	-0.000591

COMBINED FOR ALL MODES AND ALL DIRECTIONS OF SPECTRAL ACCELERATION:

	F1	F2	F3	M1	M2	M3
SPEC	8230.632	.000000	462.332136	55479.856	4.8026E+06	987675.816

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J O I N T D I S P L A C E M E N T S

TRANSLATIONS AND ROTATIONS, IN GLOBAL COORDINATES

SPEC HORIZ ----------

JOINT	UX	UY	UZ	RY
A2	.000000	.000000	.000000	0.000281

A3	.000000	.000000	.000000	0.000285
A4	.000000	.000000	.000000	0.000289
A5	.000000	.000000	.000000	0.000293
A6	.000000	.000000	.000000	0.000297
A7	.000000	.000000	.000000	0.000300
A8	.000000	.000000	.000000	0.000308
A9	.000000	.000000	.000000	0.000316
B2	0.015324	.000000	0.001200	0.000200
B3	0.015334	.000000	0.002816	0.000194
B4	0.015355	.000000	0.000266	0.000187
B5	0.015391	.000000	0.002940	0.000181
B6	0.015444	.000000	0.000612	0.000177
B7	0.015516	.000000	0.002928	0.000177
B8	0.015609	.000000	0.000835	0.000166
B9	0.015716	.000000	0.005469	0.000155
C2	0.026456	.000000	0.002430	0.000319
C3	0.026412	.000000	0.005700	0.000347
C4	0.026316	.000000	0.000538	0.000351
C5	0.026166	.000000	0.005953	0.000361
C6	0.025959	.000000	0.001239	0.000368
C7	0.025696	.000000	0.005929	0.000372
C8	0.024809	.000000	0.003246	0.000374
C9	0.023812	.000000	0.011074	0.000367
D1	.000000	.000000	.000000	0.000658
F1	0.042555	.000000	0.004119	0.000555
F2	0.042448	.000000	0.004329	0.000460
F3	0.045796	.000000	0.010176	0.000513
F4	0.049012	.000000	0.000958	0.000465
F5	0.052087	.000000	0.010633	0.000470
F6	0.055016	.000000	0.002206	0.000502
F7	0.055929	.000000	0.005462	0.000549
F8	0.056691	.000000	0.006999	0.000576
F9	0.057089	.000000	0.016542	0.000597
H1	0.071759	.000000	0.009380	0.000425
H2	0.071538	.000000	0.005028	0.000761
H3	0.071135	.000000	0.014579	0.000756
H4	0.073063	.000000	0.001366	0.000655
H5	0.074800	.000000	0.015255	0.000582
H6	0.077965	.000000	0.004745	0.000554
H7	0.080944	.000000	0.004995	0.000514
H8	0.083740	.000000	0.010678	0.000496
H9	0.086052	.000000	0.021974	0.000472
J1	0.126051	.000000	0.014614	0.001007
J2	0.125760	.000000	0.005774	0.001092
J3	0.125275	.000000	0.021625	0.000784
J4	0.124663	.000000	0.001760	0.000942
J5	0.125985	.000000	0.021912	0.001084
J6	0.127113	.000000	0.008080	0.001075
J7	0.128042	.000000	0.004528	0.001077
J8	0.128763	.000000	0.014275	0.001043
J9	0.128863	.000000	0.027369	0.001023
L1	0.191598	.000000	0.019810	0.000139
L2	0.191508	.000000	0.006552	0.000118
L3	0.191451	.000000	0.028855	0.001219
L4	0.192687	.000000	0.001886	0.000497
L5	0.193644	.000000	0.028593	0.000111
L6	0.194785	.000000	0.011533	0.000124
L7	0.195967	.000000	0.004068	0.000210
L8	0.197228	.000000	0.017777	0.000165
L9	0.198089	.000000	0.032731	0.000175
M1	0.178398	.000000	0.022393	8.88E-05
M2	0.178013	.000000	0.006952	0.000169
M3	0.178971	.000000	0.028991	0.001446

M4	0.179158	.000000	0.001940	0.000739
M5	0.178912	.000000	0.028734	0.000199
M6	0.178531	.000000	0.013274	0.000233
M7	0.178397	.000000	0.003844	5.36E-05
M8	0.178044	.000000	0.019492	0.000266
M9	0.178207	.000000	0.032973	0.000258
O1	0.222585	.000000	0.026562	0.000219
O7	0.217315	.000000	0.003491	0.000208
P1	0.222585	.000000	0.026604	0.000103
P2	0.225285	.000000	0.007354	0.000799
P3	0.225673	.000000	0.029116	0.001384
P4	0.225563	.000000	0.002032	0.001064
P5	0.223974	.000000	0.029017	0.000784
P6	0.220901	.000000	0.013323	0.000761
P7	0.217315	.000000	0.003509	9.74E-05
P8	0.226993	.000000	0.019859	0.000883
P9	0.234263	.000000	0.033466	0.000990
A10	.000000	.000000	.000000	0.000320
A11	.000000	.000000	.000000	0.000325
A12	.000000	.000000	.000000	0.000331
A13	.000000	.000000	.000000	0.000338
A14	.000000	.000000	.000000	0.000345
A15	.000000	.000000	.000000	0.000343
B10	0.015849	.000000	0.000772	0.000152
B11	0.016007	.000000	0.000221	0.000151
B12	0.016193	.000000	0.001136	0.000149
B13	0.016405	.000000	0.006363	0.000149
B14	0.016647	.000000	0.000531	0.000151
B15	0.016616	.000000	0.004748	0.000152
C10	0.023779	.000000	0.001563	0.000369
C11	0.023681	.000000	0.000448	0.000383
C12	0.023512	.000000	0.002300	0.000386
C13	0.023271	.000000	0.012882	0.000404
C14	0.023492	.000000	0.001341	0.000425
C15	0.023636	.000000	0.009613	0.000442
DE1	0.183962	.000000	0.021102	0.000400
DE2	0.185461	.000000	0.006751	0.000366
DE3	0.209043	.000000	0.028959	0.000336
DE4	0.197525	.000000	0.001917	0.000365
DE5	0.187118	.000000	0.028664	0.000395
DE6	0.187596	.000000	0.012403	0.000428
DE7	0.186480	.000000	0.003956	0.000492
DE8	0.188519	.000000	0.018635	0.000501
DE9	0.188926	.000000	0.032853	0.000522
F10	0.057321	.000000	0.002784	0.000597
F11	0.057795	.000000	0.000801	0.000621
F12	0.058098	.000000	0.004101	0.000641
F13	0.058896	.000000	0.018981	0.000685
F14	0.059518	.000000	0.002614	0.000706
F15	0.059951	.000000	0.017144	0.000720
H10	0.088202	.000000	0.003233	0.000462
H11	0.090201	.000000	0.001148	0.000443
H12	0.091273	.000000	0.005531	0.000451
H13	0.092173	.000000	0.025023	0.000453
H14	0.092891	.000000	0.003874	0.000461
H15	0.093418	.000000	0.024498	0.000460
J10	0.128749	.000000	0.003941	0.000990
J11	0.129044	.000000	0.001172	0.000956
J12	0.129120	.000000	0.007227	0.000951
J13	0.130205	.000000	0.031020	0.000949
J14	0.131070	.000000	0.005123	0.000956
J15	0.131714	.000000	0.031656	0.000991
L10	0.197486	.000000	0.003989	0.000169

L11	0.196947	.000000	0.001196	0.000167
L12	0.196474	.000000	0.007376	0.000171
L13	0.196069	.000000	0.036978	0.000183
L14	0.196329	.000000	0.006362	0.000202
L15	0.196655	.000000	0.038599	0.000314
M10	0.178213	.000000	0.004011	0.000232
M11	0.178061	.000000	0.001209	0.000211
M12	0.177750	.000000	0.007449	0.000199
M13	0.177277	.000000	0.037042	0.000192
M14	0.176643	.000000	0.006979	0.000203
M15	0.177346	.000000	0.041987	0.000178
O15	0.245822	.000000	0.047356	0.000341
P10	0.239146	.000000	0.004051	0.001054
P11	0.243486	.000000	0.001235	0.001114
P12	0.246218	.000000	0.007598	0.001156
P13	0.247320	.000000	0.037162	0.001179
P14	0.247848	.000000	0.007125	0.001204
P15	0.245822	.000000	0.047541	0.000159
DE10	0.188520	.000000	0.004000	0.000509
DE11	0.188058	.000000	0.001202	0.000502
DE12	0.187586	.000000	0.007413	0.000499
DE13	0.187045	.000000	0.037011	0.000500
DE14	0.186808	.000000	0.006671	0.000520
DE15	0.184577	.000000	0.040294	0.000565
1FIL1	0.011666	.000000	0.001003	0.000607
1FIL2	0.036956	.000000	0.003217	0.000167
1FIL3	0.038755	.000000	0.007549	0.000223
1FIL4	0.039583	.000000	0.000712	0.000241
1FIL5	0.040452	.000000	0.007884	0.000272
1FIL6	0.041116	.000000	0.001640	0.000306
1FIL7	0.041023	.000000	0.005738	0.000315
1FIL8	0.040536	.000000	0.004794	0.000329
1FIL9	0.039640	.000000	0.013324	0.000340
2FIL1	0.054191	.000000	0.005436	0.000403
2FIL2	0.052539	.000000	0.004502	0.000430
2FIL3	0.055627	.000000	0.011286	0.000431
2FIL4	0.059255	.000000	0.001062	0.000396
2FIL5	0.062890	.000000	0.011795	0.000392
2FIL6	0.066583	.000000	0.002631	0.000407
2FIL7	0.068587	.000000	0.005347	0.000444
2FIL8	0.070264	.000000	0.007923	0.000471
2FIL9	0.071439	.000000	0.017906	0.000495
3FIL1	0.083436	.000000	0.010691	0.000500
3FIL2	0.088900	.000000	0.005215	0.000687
3FIL3	0.089752	.000000	0.016314	0.000754
3FIL4	0.089475	.000000	0.001466	0.000661
3FIL5	0.089511	.000000	0.016917	0.000598
3FIL6	0.092109	.000000	0.005557	0.000576
3FIL7	0.094470	.000000	0.004879	0.000544
3FIL8	0.096958	.000000	0.011582	0.000524
3FIL9	0.098725	.000000	0.023330	0.000494
4FIL1	0.151425	.000000	0.015915	0.001074
4FIL2	0.152656	.000000	0.005968	0.001129
4FIL3	0.142697	.000000	0.023426	0.000730
4FIL4	0.147435	.000000	0.001793	0.000953
4FIL5	0.153446	.000000	0.023584	0.001153
4FIL6	0.154595	.000000	0.008939	0.001158
4FIL7	0.156116	.000000	0.004413	0.001191
4FIL8	0.156354	.000000	0.015154	0.001176
4FIL9	0.156479	.000000	0.028715	0.001184
5FIL1	0.180471	.000000	0.022897	0.000361
5FIL2	0.177371	.000000	0.006990	4.38E-05
5FIL3	0.168896	.000000	0.029003	0.000939

5FIL4	0.173911	.000000	0.001948	0.000412
5FIL5	0.177985	.000000	0.028761	3.57E-05
5FIL6	0.177283	.000000	0.013279	5.38E-05
5FIL7	0.179486	.000000	0.003800	0.000261
5FIL8	0.176608	.000000	0.019526	5.68E-05
5FIL9	0.176920	.000000	0.033020	3.54E-05
1FIL10	0.039710	.000000	0.002069	0.000338
1FIL11	0.040038	.000000	0.000594	0.000343
1FIL12	0.039954	.000000	0.003046	0.000347
1FIL13	0.040404	.000000	0.015395	0.000363
1FIL14	0.041292	.000000	0.001866	0.000370
1FIL15	0.041931	.000000	0.012721	0.000374
2FIL10	0.072070	.000000	0.002867	0.000510
2FIL11	0.073137	.000000	0.000888	0.000534
2FIL12	0.073899	.000000	0.004421	0.000551
2FIL13	0.075300	.000000	0.020498	0.000572
2FIL14	0.076230	.000000	0.002931	0.000583
2FIL15	0.076950	.000000	0.018993	0.000594
3FIL10	0.100494	.000000	0.003393	0.000471
3FIL11	0.102112	.000000	0.001154	0.000448
3FIL12	0.103311	.000000	0.005941	0.000450
3FIL13	0.104406	.000000	0.026531	0.000457
3FIL14	0.105314	.000000	0.004189	0.000466
3FIL15	0.105734	.000000	0.026300	0.000464
4FIL10	0.155909	.000000	0.003956	0.001169
4FIL11	0.155775	.000000	0.001178	0.001152
4FIL12	0.155595	.000000	0.007266	0.001145
4FIL13	0.156435	.000000	0.032516	0.001131
4FIL14	0.157331	.000000	0.005434	0.001132
4FIL15	0.158868	.000000	0.033400	0.001173
5FIL10	0.177188	.000000	0.004014	2.93E-05
5FIL11	0.177260	.000000	0.001211	4.80E-05
5FIL12	0.177085	.000000	0.007463	6.76E-05
5FIL13	0.176683	.000000	0.037054	7.93E-05
5FIL14	0.175977	.000000	0.006993	8.00E-05
5FIL15	0.180842	.000000	0.042637	0.000605

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J O I N T A C C E L E R A T I O N S

TRANSLATIONS AND ROTATIONS, IN GLOBAL COORDINATES

SPEC HORIZ ----------

JOINT	UX	UY	UZ	RY
A2	.000000	.000000	.000000	0.811202
A3	.000000	.000000	.000000	0.790501
A4	.000000	.000000	.000000	0.744734
A5	.000000	.000000	.000000	0.673826
A6	.000000	.000000	.000000	0.578539
A7	.000000	.000000	.000000	0.467177
A8	.000000	.000000	.000000	0.314972
A9	.000000	.000000	.000000	0.402487
B2	42.980211	.000000	3.012992	0.523696
B3	42.150463	.000000	3.771780	0.524600
B4	40.221533	.000000	0.686271	0.519233
B5	37.203804	.000000	2.600949	0.517058
B6	33.121760	.000000	1.936087	0.517941
B7	28.035510	.000000	3.638864	0.520042

B8	22.113415	.000000	1.131734	0.608642
B9	25.078630	.000000	4.701049	0.523235
C2	44.127595	.000000	6.100209	1.245843
C3	43.879299	.000000	7.629739	1.241891
C4	43.247062	.000000	1.388340	1.237897
C5	42.220003	.000000	5.262772	1.219919
C6	40.792535	.000000	3.911750	1.194057
C7	38.965585	.000000	7.370835	1.179488
C8	42.495746	.000000	3.327285	1.194451
C9	39.183107	.000000	9.511998	1.162575
D1	.000000	.000000	.000000	4.952588
F1	34.798236	.000000	2.936632	1.084936
F2	32.497770	.000000	10.921565	1.028941
F3	35.248809	.000000	13.487918	1.135879
F4	37.617819	.000000	2.456211	0.926085
F5	39.594806	.000000	9.332468	0.853225
F6	41.202063	.000000	6.818444	0.866377
F7	43.204795	.000000	5.561348	0.949238
F8	44.927719	.000000	6.708003	0.937326
F9	44.462978	.000000	10.722757	0.867702
H1	53.317208	.000000	6.604266	0.709457
H2	52.713540	.000000	12.152730	1.445039
H3	51.634667	.000000	18.883483	1.269242
H4	52.393318	.000000	3.437923	1.157651
H5	52.695417	.000000	13.144348	1.052644
H6	53.792075	.000000	7.831924	1.002137
H7	54.461907	.000000	5.068028	0.875614
H8	54.726724	.000000	9.807223	0.800258
H9	53.903447	.000000	13.236328	0.704983
J1	59.359431	.000000	10.092982	0.883441
J2	59.127404	.000000	13.730826	1.184492
J3	58.755174	.000000	21.815405	0.971677
J4	58.264763	.000000	4.340616	1.047809
J5	59.116779	.000000	15.678868	1.022403
J6	59.861467	.000000	9.318377	1.013959
J7	60.489669	.000000	5.217570	0.994940
J8	60.995914	.000000	12.584741	0.957024
J9	60.978283	.000000	16.442542	0.905099
L1	82.835256	.000000	13.393912	0.267314
L2	82.764289	.000000	15.391572	0.294512
L3	82.703742	.000000	24.887329	1.655315
L4	83.104024	.000000	5.062816	0.574610
L5	83.379080	.000000	18.468071	0.240379
L6	83.801333	.000000	10.885748	0.257343
L7	84.256102	.000000	5.490143	0.277649
L8	84.756663	.000000	15.065420	0.267375
L9	85.062510	.000000	19.963257	0.272210
M1	77.608229	.000000	14.981863	0.198124
M2	77.422220	.000000	16.269813	0.197605
M3	77.825095	.000000	25.350728	1.760011
M4	77.838031	.000000	5.397448	0.599359
M5	77.673184	.000000	18.863063	0.179965
M6	77.479357	.000000	11.715069	0.181821
M7	77.378125	.000000	5.663947	0.141349
M8	77.264220	.000000	16.194510	0.204270
M9	77.342652	.000000	20.544675	0.187035
O1	95.667137	.000000	17.470793	0.118324
O7	92.820825	.000000	6.009036	0.118481
P1	95.667137	.000000	17.629667	0.055398
P2	96.797832	.000000	18.882444	0.426377
P3	96.844271	.000000	25.797114	0.922580
P4	96.733766	.000000	6.009645	0.545297
P5	95.946912	.000000	19.703819	0.429181

P6	94.463860	.000000	14.096148	0.419877
P7	92.820825	.000000	6.980489	0.055472
P8	97.116148	.000000	17.579033	0.513390
P9	100.576667	.000000	21.870479	0.585388
A10	.000000	.000000	.000000	0.441753
A11	.000000	.000000	.000000	0.463068
A12	.000000	.000000	.000000	0.460924
A13	.000000	.000000	.000000	0.442007
A14	.000000	.000000	.000000	0.356217
A15	.000000	.000000	.000000	0.338628
B10	27.059774	.000000	2.369213	0.522420
B11	27.993077	.000000	0.326577	0.525433
B12	27.861206	.000000	3.674803	0.528797
B13	26.674284	.000000	4.911958	0.534727
B14	24.477339	.000000	3.083875	0.657050
B15	25.315140	.000000	4.340765	0.762992
C10	40.478046	.000000	4.782040	1.165853
C11	41.322042	.000000	0.660449	1.202258
C12	41.702412	.000000	7.411467	1.215300
C13	41.612080	.000000	9.944508	1.265279
C14	48.187233	.000000	3.102803	1.355010
C15	54.525652	.000000	8.786342	1.446293
DE1	79.845808	.000000	14.188235	0.290218
DE2	80.463751	.000000	15.828461	0.265980
DE3	98.358146	.000000	25.239294	0.262003
DE4	86.536388	.000000	5.255232	0.260918
DE5	80.893841	.000000	18.665563	0.272940
DE6	81.078972	.000000	11.301816	0.276690
DE7	80.645222	.000000	5.576698	0.298751
DE8	81.390495	.000000	15.630892	0.304066
DE9	81.517078	.000000	20.249514	0.312725
F10	43.864530	.000000	8.236917	0.754098
F11	44.974234	.000000	1.163865	0.766537
F12	45.934324	.000000	12.635566	0.831411
F13	49.160927	.000000	10.649660	1.040594
F14	52.433594	.000000	3.609370	1.188895
F15	55.693634	.000000	15.516223	1.333281
H10	52.793717	.000000	8.114538	0.656013
H11	51.473686	.000000	1.611792	0.546509
H12	53.708292	.000000	11.703821	0.602596
H13	55.775311	.000000	14.080501	0.624954
H14	57.616683	.000000	4.465489	0.691051
H15	59.213788	.000000	21.668355	0.758241
J10	60.827440	.000000	8.099090	0.859758
J11	61.141814	.000000	1.800031	0.794929
J12	61.346037	.000000	10.725367	0.877555
J13	62.318425	.000000	18.180537	0.942733
J14	63.217539	.000000	5.465842	1.002964
J15	64.046104	.000000	27.239426	1.059922
L10	84.814177	.000000	9.137926	0.271957
L11	84.616667	.000000	2.234231	0.279850
L12	84.469668	.000000	11.094076	0.308172
L13	84.372439	.000000	22.204357	0.336606
L14	84.545392	.000000	6.518926	0.367222
L15	84.740077	.000000	32.325204	0.432526
M10	77.361901	.000000	9.700847	0.162586
M11	77.321668	.000000	2.504379	0.153243
M12	77.222377	.000000	11.505803	0.162046
M13	77.064429	.000000	22.923770	0.178721
M14	76.849339	.000000	7.057412	0.195415
M15	77.206646	.000000	34.695979	0.269516
O15	108.221034	.000000	38.239334	0.231176
P10	103.114190	.000000	10.906945	0.636453

P11	105.531059	.000000	3.117720	0.689695
P12	107.249313	.000000	12.778688	0.729614
P13	108.197303	.000000	24.512896	0.759639
P14	108.900872	.000000	7.969707	0.789222
P15	108.221034	.000000	38.733239	0.108234
DE10	81.346434	.000000	9.420207	0.303843
DE11	81.156395	.000000	2.366775	0.302334
DE12	80.996409	.000000	11.282319	0.305114
DE13	80.804686	.000000	22.563296	0.313283
DE14	80.750937	.000000	6.787907	0.328700
DE15	80.110275	.000000	33.510933	0.369070
1FIL1	75.821442	.000000	0.715451	2.429725
1FIL2	51.444635	.000000	8.079165	0.451170
1FIL3	52.252960	.000000	10.094531	0.468164
1FIL4	53.631215	.000000	1.837015	0.427084
1FIL5	54.420549	.000000	6.965078	0.417975
1FIL6	54.585299	.000000	5.168479	0.414479
1FIL7	56.048359	.000000	6.463675	0.445979
1FIL8	58.080617	.000000	4.730055	0.525334
1FIL9	58.076637	.000000	9.816845	0.507639
2FIL1	52.936110	.000000	3.862723	1.225006
2FIL2	54.100210	.000000	11.144348	1.128526
2FIL3	58.458408	.000000	14.917018	1.137843
2FIL4	57.155973	.000000	2.716854	0.996117
2FIL5	57.237205	.000000	10.330088	0.936559
2FIL6	58.154220	.000000	7.030143	0.942603
2FIL7	60.821945	.000000	5.332233	0.944749
2FIL8	62.081993	.000000	7.502512	0.957212
2FIL9	61.741479	.000000	11.263525	0.842129
3FIL1	65.165816	.000000	7.488539	0.643061
3FIL2	80.762014	.000000	12.568329	1.061059
3FIL3	74.164049	.000000	19.651645	0.908620
3FIL4	75.645176	.000000	3.677706	0.895764
3FIL5	75.064610	.000000	13.774944	0.866344
3FIL6	75.585658	.000000	8.245742	0.852478
3FIL7	74.473987	.000000	5.108579	0.805704
3FIL8	73.236681	.000000	10.518371	0.774860
3FIL9	70.631487	.000000	13.999360	0.715150
4FIL1	67.972799	.000000	10.924515	0.753601
4FIL2	67.632761	.000000	14.151922	0.779075
4FIL3	65.266837	.000000	22.578356	0.734429
4FIL4	65.516211	.000000	4.518581	0.726707
4FIL5	67.581997	.000000	16.360876	0.729983
4FIL6	68.410704	.000000	9.745583	0.727059
4FIL7	69.535567	.000000	5.305413	0.737901
4FIL8	70.144960	.000000	13.212872	0.729227
4FIL9	70.547277	.000000	17.307319	0.709927
5FIL1	78.392014	.000000	15.281711	0.246530
5FIL2	77.154959	.000000	16.508055	0.143071
5FIL3	73.384885	.000000	25.393333	1.292398
5FIL4	75.427840	.000000	5.453742	0.430689
5FIL5	77.319934	.000000	18.940913	0.120210
5FIL6	76.980703	.000000	11.924587	0.112771
5FIL7	77.685950	.000000	5.699225	0.190628
5FIL8	76.685161	.000000	16.308665	0.114430
5FIL9	76.815634	.000000	20.663226	0.101006
1FIL10	58.601426	.000000	6.311136	0.548221
1FIL11	61.347213	.000000	0.873562	0.624505
1FIL12	62.585655	.000000	9.772610	0.688024
1FIL13	66.314555	.000000	9.761760	0.805703
1FIL14	70.446346	.000000	3.251785	1.028454
1FIL15	73.400327	.000000	11.584173	1.239043
2FIL10	60.294970	.000000	8.312173	0.740735

2FIL11	61.081915	.000000	1.285815	0.694486
2FIL12	63.043397	.000000	12.660455	0.731233
2FIL13	67.628006	.000000	11.357439	0.853170
2FIL14	70.741155	.000000	3.803767	0.991600
2FIL15	72.930761	.000000	17.092480	1.152101
3FIL10	68.271435	.000000	8.118585	0.680550
3FIL11	64.793399	.000000	1.633887	0.620605
3FIL12	68.085426	.000000	11.466724	0.661012
3FIL13	70.493783	.000000	15.121946	0.705490
3FIL14	72.834574	.000000	4.711911	0.778882
3FIL15	74.467550	.000000	23.089149	0.863586
4FIL10	70.609307	.000000	8.361367	0.692132
4FIL11	71.293105	.000000	1.893240	0.674043
4FIL12	71.747333	.000000	10.777500	0.697993
4FIL13	72.954288	.000000	19.225596	0.730643
4FIL14	73.853893	.000000	5.729134	0.792495
4FIL15	74.711967	.000000	28.520642	0.881833
5FIL10	76.922037	.000000	9.810965	0.097962
5FIL11	76.962411	.000000	2.559675	0.109884
5FIL12	76.905648	.000000	11.603057	0.137385
5FIL13	76.774566	.000000	23.066165	0.160908
5FIL14	76.523970	.000000	7.124741	0.177607
5FIL15	78.247285	.000000	35.122304	0.489685

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R E S T R A I N T F O R C E S (R E A C T I O N S)

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

SPEC HORIZ ----------

JOINT	FX	FY	FZ	MY
A2	0.912580	.000000	340.222111	.000000
A3	1.049678	.000000	798.155685	.000000
A4	1.080908	.000000	75.292420	.000000
A5	1.180919	.000000	833.493243	.000000
A6	1.298400	.000000	173.483066	.000000
A7	1609.799	.000000	602.005445	.000000
A8	1.593090	.000000	236.763303	.000000
A9	1731.179	.000000	406.312816	.000000
D1	3139.559	.000000	4177.174	.000000
A10	1.762771	.000000	218.864042	.000000
A11	1.834551	.000000	62.775559	.000000
A12	1.913543	.000000	322.139996	.000000
A13	2.069512	.000000	1803.646	.000000
A14	2.145130	.000000	150.516517	.000000
A15	1743.930	.000000	2699.825	.000000

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C O N S T R A I N T F O R C E S

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

SPEC HORIZ ----------

JOINT	FX	FY	FZ	MY
O1	849.851888	.000000	.000000	.000000
O7	3320.875	.000000	.000000	.000000
P1	849.847886	.000000	.000000	.000000
P7	3320.915	.000000	.000000	.000000
O15	1030.070	.000000	.000000	.000000
P15	1029.983	.000000	.000000	.000000

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G L O B A L F O R C E B A L A N C E

TOTAL FORCE AND MOMENT AT THE ORIGIN, IN GLOBAL COORDINATES

LOAD DEAD ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	-1.49E-15	-7.10E-30	-4517.749	-542129.930	2.3098E+06	1.79E-13
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	6.82E-13	1.02E-30	4517.749	542129.930	-2.3098E+06	-8.30E-11
CONSTRS	1.26E-13	.000000	.000000	.000000	-9.190247	-1.48E-11
TOTAL	8.07E-13	-6.08E-30	-2.27E-11	-2.10E-09	1.89E-08	-9.76E-11

LOADMANIFOLD ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	.000000	.000000	.000000	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	.000000	.000000	.000000	.000000

LOAD TBAR ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-9701.000	-1.1641E+06	5.0576E+06	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	1.34E-12	.000000	9701.000	1.1641E+06	-5.0576E+06	-1.56E-10
CONSTRS	4.16E-13	.000000	.000000	.000000	-40.728310	-5.00E-11
TOTAL	1.75E-12	.000000	-5.09E-11	-6.05E-09	2.86E-08	-2.06E-10

LOADTOPCOVER ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-12227.000	-1.4672E+06	6.6029E+06	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	-2.67E-12	.000000	12227.000	1.4672E+06	-6.6025E+06	3.42E-10
CONSTRS	8.24E-13	.000000	.000000	.000000	-449.721226	-9.85E-11
TOTAL	-1.85E-12	.000000	-1.44E-10	-1.75E-08	7.57E-08	2.43E-10

LOAD PEWALLS ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-7420.000	-890400.000	4.6449E+06	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	-8.24E-12	.000000	7420.000	890400.000	-4.6444E+06	9.90E-10

CONSTRS	1.88E-12	.000000	.000000	.000000	-443.015400	-2.26E-10
TOTAL	-6.37E-12	.000000	-5.64E-11	-6.87E-09	3.55E-08	7.64E-10

LOADHOTBASIN ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	.000000	.000000	.000000	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	.000000	.000000	.000000	.000000

LOADDRIFTELM ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-4060.000	-487200.000	2.1168E+06	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	6.68E-13	.000000	4060.000	487200.000	-2.1168E+06	-8.11E-11
CONSTRS	5.47E-14	.000000	.000000	.000000	-22.901690	-6.17E-12
TOTAL	7.23E-13	.000000	-2.86E-11	-3.32E-09	1.55E-08	-8.72E-11

LOADFANMOTOR ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-9188.000	-1.1026E+06	4.6308E+06	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	3.13E-12	.000000	9188.000	1.1026E+06	-4.6308E+06	-3.67E-10
CONSTRS	1.65E-12	.000000	.000000	.000000	55.241833	-1.99E-10
TOTAL	4.77E-12	.000000	-5.28E-11	-6.29E-09	3.32E-08	-5.66E-10

LOADCABLETRY ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	.000000	.000000	.000000	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	.000000	.000000	.000000	.000000

LOADLOUVERWL ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	.000000	.000000	.000000	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	.000000	.000000	.000000	.000000

LOAD SECDIST ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-1625.000	-195000.000	273024.000	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	2.36E-12	.000000	1625.000	195000.000	-273004.383	-2.84E-10
CONSTRS	-1.17E-12	.000000	.000000	.000000	-19.616748	1.40E-10
TOTAL	1.19E-12	.000000	-1.82E-11	-2.18E-09	2.93E-09	-1.44E-10

MODE 1 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	4146.663	.000000	-108.897499	-13067.700	2.4687E+06	-497599.606
REACTNS	-4146.867	.000000	108.101030	12972.124	-2.4123E+06	497624.055
CONSTRS	0.025451	.000000	.000000	.000000	-55887.423	-3.054098
TOTAL	-0.178290	.000000	-0.796469	-95.576237	548.293452	21.394779

MODE 2 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	5288.946	.000000	3099.472	371936.599	-1.6818E+06	-634673.472
REACTNS	-5290.508	.000000	-3107.949	-372953.826	1.6045E+06	634861.004
CONSTRS	0.348034	.000000	.000000	.000000	75671.796	-41.764093
TOTAL	-1.214734	.000000	-8.476891	-1017.227	-1605.286	145.768053

MODE 3 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-6022.604	.000000	-2052.361	-246283.331	1.7799E+06	722712.518
REACTNS	6020.594	.000000	2052.081	246249.720	-1.7248E+06	-722471.221
CONSTRS	0.110901	.000000	.000000	.000000	-58334.037	-13.308095
TOTAL	-1.899910	.000000	-0.280092	-33.611095	-3173.106	227.989230

MODE 4 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-2186.600	.000000	-996.570842	-119588.501	855514.379	262391.969
REACTNS	2187.685	.000000	986.779264	118413.512	-822643.073	-262522.235
CONSTRS	0.268266	.000000	.000000	.000000	-28053.678	-32.191886
TOTAL	1.353819	.000000	-9.791578	-1174.989	4817.628	-162.458334

MODE 5 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	962.619641	.000000	-733.625897	-88035.108	528396.119	-115514.357
REACTNS	-963.284957	.000000	745.705424	89484.651	-531227.353	115594.195
CONSTRS	-0.376707	.000000	.000000	.000000	-5196.714	45.204804
TOTAL	-1.042023	.000000	12.079526	1449.543	-8027.948	125.042740

MODE 6 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	3928.722	.000000	-3562.344	-427481.277	2.1774E+06	-471446.690
REACTNS	-3929.141	.000000	3568.878	428265.353	-2.1631E+06	471496.904
CONSTRS	-0.228841	.000000	.000000	.000000	-18717.587	27.460862
TOTAL	-0.647290	.000000	6.533968	784.076102	-4481.696	77.674781

MODE 7 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-69.300680	.000000	338.010894	40561.307	-209410.921	8316.082
REACTNS	70.203610	.000000	-346.605413	-41592.650	215203.615	-8424.433
CONSTRS	0.527900	.000000	.000000	.000000	1826.111	-63.348045
TOTAL	1.430830	.000000	-8.594519	-1031.342	7618.805	-171.699562

MODE 8 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	95.445770	.000000	123.947201	14873.664	-104877.189	-11453.492
REACTNS	-94.239995	.000000	-138.873975	-16664.877	115046.181	11308.799
CONSTRS	0.824853	.000000	.000000	.000000	2183.864	-98.982317
TOTAL	2.030628	.000000	-14.926773	-1791.213	12352.856	-243.675335

MODE 9 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-118.872189	.000000	32.889393	3946.727	-6914.741	14264.663
REACTNS	119.853510	.000000	-47.862390	-5743.487	18349.300	-14382.421
CONSTRS	0.750724	.000000	.000000	.000000	286.127813	-90.086897
TOTAL	1.732044	.000000	-14.972997	-1796.760	11720.688	-207.845331

MODE 10 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-43.913889	.000000	13.000518	1560.062	-8435.843	5269.667
REACTNS	44.974210	.000000	-18.891987	-2267.038	14616.262	-5396.905
CONSTRS	0.385317	.000000	.000000	.000000	-362.762096	-46.238072
TOTAL	1.445638	.000000	-5.891468	-706.976189	5817.657	-173.476610

MODE 11 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	5.668119	.000000	-77.850014	-9342.002	56419.014	-680.174227
REACTNS	-6.395382	.000000	82.870836	9944.500	-60525.224	767.445860
CONSTRS	-0.231048	.000000	.000000	.000000	-287.104378	27.725705
TOTAL	-0.958311	.000000	5.020822	602.498637	-4393.315	114.997338

MODE 12 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	37.778993	.000000	-72.617477	-8714.097	45240.101	-4533.479
REACTNS	-38.337296	.000000	71.339246	8560.709	-45116.513	4600.476
CONSTRS	-0.045209	.000000	.000000	.000000	-493.084122	5.425082
TOTAL	-0.603512	.000000	-1.278231	-153.387769	-369.496322	72.421498

MODE 13 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-102.806363	.000000	-3.275425	-393.050987	15991.813	12336.764

```
REACTNS  103.291370     .000000    0.522357   62.682862  -12809.504  -12394.964
CONSTRS    0.157438     .000000     .000000     .000000 -514.785502  -18.892520

  TOTAL    0.642445     .000000   -2.753068 -330.368126    2667.524  -77.093381

MODE      14 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  -13.990476     .000000   17.793554    2135.226   -9872.703    1678.857
REACTNS   14.764677     .000000  -21.907675   -2628.921   13425.867   -1771.761
CONSTRS    0.181896     .000000     .000000     .000000  252.765070  -21.827535

  TOTAL    0.956097     .000000   -4.114122 -493.694583    3805.929 -114.731651

MODE      15 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    4.955414     .000000  -46.101000   -5532.120   32844.488 -594.649686
REACTNS   -5.792138     .000000   52.072599    6248.712  -37366.850  695.056565
CONSTRS   -0.253125     .000000     .000000     .000000 -557.577865   30.374969

  TOTAL   -1.089849     .000000    5.971599  716.591869   -5079.940  130.781849

MODE      16 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   15.469756     .000000  -77.523258   -9302.791   46675.163   -1856.371
REACTNS  -15.678039     .000000   77.337604    9280.512  -46612.249    1881.365
CONSTRS   -0.064830     .000000     .000000     .000000 -395.114926    7.779552

  TOTAL   -0.273112     .000000   -0.185654  -22.278460 -332.201516   32.773479

MODE      17 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    4041.779     .000000   -4663.577 -559629.246  2.8495E+06 -485013.529
REACTNS   -4041.006     .000000    4660.054  559206.535 -2.8242E+06  484920.760
CONSTRS    0.260371     .000000     .000000     .000000  -21366.753  -31.244497

  TOTAL    1.033446     .000000   -3.522592 -422.711061    3922.692 -124.013520

MODE      18 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -1058.395     .000000  699.813037   83977.564  1.9740E+06  127007.403
REACTNS    1057.411     .000000 -710.530405  -85263.649 -2.0316E+06 -126889.285
CONSTRS    0.003578     .000000     .000000     .000000   62025.235   -0.429353

  TOTAL   -0.980738     .000000  -10.717368   -1286.084    4406.014  117.688554

MODE      19 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -5778.196     .000000 -398.174844  -47780.981 -867831.552  693383.559
REACTNS    5779.059     .000000  400.095410   48011.449  923707.034 -693487.026
CONSTRS    0.531956     .000000     .000000     .000000  -57615.522  -63.834666
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  TOTAL    1.394181     .000000    1.920566  230.467933   -1740.040 -167.301757

MODE      20 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -1248.361     .000000   -6017.638 -722116.592  3.0512E+06  149803.264
REACTNS    1250.070     .000000    5987.154  718458.511 -3.0159E+06 -150008.442
CONSTRS   -0.236136     .000000     .000000     .000000  -32725.669   28.336279

  TOTAL    1.473679     .000000  -30.484012   -3658.081    2605.319 -176.841440

MODE      21 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -949.162433     .000000  -12398.293 -1.4878E+06  5.8111E+06  113899.492
REACTNS  951.402427     .000000   12408.708  1.4890E+06 -5.8457E+06 -114168.291
CONSTRS   -0.604832     .000000     .000000     .000000   19220.416   72.579839

  TOTAL    1.635162     .000000   10.414414    1249.730  -15323.231 -196.219481

MODE      22 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    1153.951     .000000    9146.755  1.0976E+06 -1.1665E+07 -138474.134
REACTNS   -1147.474     .000000   -9142.469 -1.0971E+06  1.1619E+07  137696.841
CONSTRS    0.796063     .000000     .000000     .000000   46006.033  -95.527506

  TOTAL    7.273505     .000000    4.285511  514.261360  350.763091 -872.820586

MODE      23 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -294.794138     .000000   -5155.975 -618717.024  3.7849E+06   35375.297
REACTNS  298.078121     .000000    5124.765  614971.742 -3.7724E+06  -35769.375
CONSTRS    0.342897     .000000     .000000     .000000    6147.478  -41.147694

  TOTAL    3.626880     .000000  -31.210682   -3745.282   18588.132 -435.225644

MODE      24 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  408.986891     .000000   -3465.584 -415870.086  3.1631E+06  -49078.427
REACTNS -406.812946     .000000    3448.604  413832.512 -3.1666E+06   48817.553
CONSTRS   -0.663087     .000000     .000000     .000000    6672.487   79.570418

  TOTAL    1.510859     .000000  -16.979784   -2037.574    3217.118 -181.303090

MODE      25 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  -63.933321     .000000    3122.087  374650.425 -1.6148E+06    7671.999
REACTNS   60.322401     .000000   -3141.296 -376955.541  1.6371E+06   -7238.688
CONSTRS    0.151372     .000000     .000000     .000000  -13740.562  -18.164587

  TOTAL   -3.459549     .000000  -19.209301   -2305.116    8631.026  415.145846

MODE      26 ------------------
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                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  159.935280     .000000  260.958464   31315.016  243948.686  -19192.234
REACTNS -156.262964     .000000 -252.512779  -30301.533 -247192.895   18751.556
CONSTRS   -0.028708     .000000     .000000     .000000   -1481.870    3.444992

  TOTAL    3.643608     .000000    8.445685    1013.482   -4726.079 -437.232990

MODE      27 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -325.457918     .000000  646.908638   77629.037 -656270.757   39054.950
REACTNS  318.523717     .000000 -666.069147  -79928.298  667289.186  -38222.846
CONSTRS    4.454307     .000000     .000000     .000000  355.661826 -534.516844

  TOTAL   -2.479894     .000000  -19.160509   -2299.261   11374.090  297.587233

MODE      28 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -118.912132     .000000    1109.426  133131.134 -659760.882   14269.456
REACTNS  122.160087     .000000   -1122.298 -134675.760  671032.344  -14659.210
CONSTRS   -0.902637     .000000     .000000     .000000   -4435.859  108.316438

  TOTAL    2.345318     .000000  -12.871881   -1544.626    6835.603 -281.438143

MODE      29 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   74.999703     .000000  196.986482   23638.378  -54737.646   -8999.964
REACTNS  -67.742982     .000000 -188.060043  -22567.205   51538.281    8129.158
CONSTRS   -1.130176     .000000     .000000     .000000   -1391.319  135.621115

  TOTAL    6.126544     .000000    8.926439    1071.173   -4590.685 -735.185336

MODE      30 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -175.872521     .000000  571.510619   68581.274 -483887.867   21104.702
REACTNS  183.579523     .000000 -558.932250  -67071.870  479470.775  -22029.543
CONSTRS   -0.989993     .000000     .000000     .000000   -2775.733  118.799161

  TOTAL    6.717009     .000000   12.578369    1509.404   -7192.825 -806.041087

MODE      31 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   48.266805     .000000 -301.198866  -36143.864  209873.231   -5792.017
REACTNS  -46.381477     .000000  307.842839   36941.141 -214666.398    5565.777
CONSTRS   -0.099219     .000000     .000000     .000000    1558.376   11.906287

  TOTAL    1.786109     .000000    6.643973  797.276787   -3234.791 -214.333085

MODE      32 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
```

INERTIA	113.874823	.000000	-484.498678	-58139.841	302654.959	-13664.979
REACTNS	-112.005442	.000000	494.250715	59310.086	-309274.967	13440.653
CONSTRS	-3.523379	.000000	.000000	.000000	608.589007	422.805450
TOTAL	-1.653997	.000000	9.752037	1170.244	-6011.419	198.479686

MODE 33 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	103.204969	.000000	-624.648447	-74957.814	448217.284	-12384.596
REACTNS	-110.452928	.000000	607.863668	72943.640	-440802.247	13254.351
CONSTRS	2.913672	.000000	.000000	.000000	3270.365	-349.640606
TOTAL	-4.334287	.000000	-16.784780	-2014.174	10685.401	520.114391

MODE 34 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-1773.547	.000000	2832.195	339863.351	-2.7094E+06	212825.667
REACTNS	1771.035	.000000	-2826.746	-339209.578	2.7179E+06	-212524.195
CONSTRS	1.526921	.000000	.000000	.000000	-11068.034	-183.230470
TOTAL	-0.985340	.000000	5.448112	653.773441	-2486.798	118.240769

MODE 35 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	2468.899	.000000	-14907.952	-1.7890E+06	8.5393E+06	-296267.897
REACTNS	-2464.750	.000000	14910.816	1.7893E+06	-8.6161E+06	295770.030
CONSTRS	0.032323	.000000	.000000	.000000	75182.483	-3.878800
TOTAL	4.181218	.000000	2.864896	343.787519	-1606.659	-501.746162

MODE 36 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	984.998158	.000000	-23041.420	-2.7650E+06	1.6385E+07	-118199.779
REACTNS	-983.340447	.000000	23068.045	2.7682E+06	-1.6506E+07	118000.854
CONSTRS	0.405931	.000000	.000000	.000000	106159.442	-48.711721
TOTAL	2.063642	.000000	26.624649	3194.958	-15231.178	-247.637090

MODE 37 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	1055.105	.000000	7364.897	883787.588	-2.0848E+06	-126612.618
REACTNS	-1052.436	.000000	-7357.819	-882938.312	2.1193E+06	126292.261
CONSTRS	-0.673836	.000000	.000000	.000000	-38548.830	80.860349
TOTAL	1.995805	.000000	7.077293	849.275189	-4080.032	-239.496639

MODE 38 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-1380.107	.000000	6945.100	833412.021	-5.7108E+06	165612.831
REACTNS	1378.520	.000000	-6961.792	-835414.987	5.7766E+06	-165422.433
CONSTRS	-0.608810	.000000	.000000	.000000	-55624.680	73.057222

```
  TOTAL   -2.195464     .000000  -16.691382   -2002.966   10136.309  263.455704

MODE      39 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -934.106390     .000000  -15416.827 -1.8500E+06  2.1402E+06  112092.767
REACTNS  929.887653     .000000   15414.766  1.8498E+06 -2.2049E+06 -111586.518
CONSTRS    0.944134     .000000     .000000     .000000   62439.086 -113.296137

  TOTAL   -3.274603     .000000   -2.060657 -247.278807   -2258.152  392.952328

MODE      40 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -2462.018     .000000  -17765.214 -2.1318E+06  708481.709  295442.178
REACTNS    2458.128     .000000   17769.636  2.1324E+06 -748080.457 -294975.336
CONSTRS   -7.670819     .000000     .000000     .000000   37867.633  920.498242

  TOTAL  -11.561166     .000000    4.422227  530.667283   -1731.115    1387.340

MODE      41 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  938.528736     .000000 -301.681416  -36201.770  629695.920 -112623.448
REACTNS -940.809238     .000000  330.697184   39683.662 -640091.257  112897.109
CONSTRS   -2.899506     .000000     .000000     .000000   -9575.532  347.940721

  TOTAL   -5.180008     .000000   29.015769    3481.892  -19970.869  621.601018

MODE      42 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    1067.564     .000000    1446.269  173552.224  1.0153E+06 -128107.642
REACTNS   -1068.617     .000000   -1414.056 -169686.684 -1.0346E+06  128234.083
CONSTRS   -0.757945     .000000     .000000     .000000 -357.562760   90.953456

  TOTAL   -1.811618     .000000   32.212833    3865.540  -19716.430  217.394201

MODE      43 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -228.883276     .000000  192.211497   23065.380 -695116.781   27465.993
REACTNS  227.465976     .000000 -177.419664  -21290.360  682518.649  -27295.917
CONSTRS    3.362830     .000000     .000000     .000000    4408.591 -403.539590

  TOTAL    1.945530     .000000   14.791833    1775.020   -8189.541 -233.463638

MODE      44 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -117.260384     .000000 -464.684162  -55762.099  -30206.835   14071.246
REACTNS  112.573749     .000000  462.025956   55443.115   32922.745  -13508.850
CONSTRS    0.394453     .000000     .000000     .000000   -1438.248  -47.334388

  TOTAL   -4.292181     .000000   -2.658206 -318.984661    1277.662  515.061760
```

MODE 45 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-126.646592	.000000	32.876018	3945.122	-61183.190	15197.591
REACTNS	123.077184	.000000	-58.446503	-7013.580	79211.278	-14769.262
CONSTRS	-3.647535	.000000	.000000	.000000	-2495.227	437.704258
TOTAL	-7.216943	.000000	-25.570486	-3068.458	15532.861	866.033210

MODE 46 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	124.135811	.000000	55.970147	6716.418	89246.749	-14896.297
REACTNS	-127.593737	.000000	-46.988102	-5638.572	-98712.550	15311.248
CONSTRS	6.542258	.000000	.000000	.000000	7034.846	-785.070920
TOTAL	3.084331	.000000	8.982045	1077.845	-2430.954	-370.119779

MODE 47 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	70.067817	.000000	-137.881986	-16545.838	40671.973	-8408.138
REACTNS	-73.703640	.000000	129.477776	15537.333	-38873.172	8844.437
CONSTRS	-7.006757	.000000	.000000	.000000	-2946.744	840.810870
TOTAL	-10.642580	.000000	-8.404210	-1008.505	-1147.944	1277.110

MODE 48 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-49.289159	.000000	180.476822	21657.219	-94191.801	5914.699
REACTNS	49.088838	.000000	-166.599506	-19991.941	88166.727	-5890.661
CONSTRS	7.869633	.000000	.000000	.000000	2917.374	-944.355918
TOTAL	7.669311	.000000	13.877316	1665.278	-3107.701	-920.317289

MODE 49 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-31.917257	.000000	-52.432157	-6291.859	-19300.414	3830.071
REACTNS	35.067307	.000000	67.323480	8078.818	14213.720	-4208.077
CONSTRS	3.767753	.000000	.000000	.000000	550.868848	-452.130346
TOTAL	6.917803	.000000	14.891322	1786.959	-4535.826	-830.136345

MODE 50 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	30.353675	.000000	-28.145588	-3377.471	-199.779603	-3642.441
REACTNS	-31.711846	.000000	28.991442	3478.973	-268.062241	3805.422
CONSTRS	-5.743927	.000000	.000000	.000000	-2509.915	689.271196
TOTAL	-7.102098	.000000	0.845853	101.502402	-2977.757	852.251722

MODE 51 ----------

	FX	FY	FZ	MX	MY	MZ

```
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   83.139218     .000000   -1162.392 -139487.071  469784.468   -9976.706
REACTNS  -88.089165     .000000    1145.574  137468.890 -467493.782   10570.700
CONSTRS    3.684181     .000000     .000000     .000000    9462.282 -442.101763

  TOTAL   -1.265766     .000000  -16.818180   -2018.182   11752.968  151.891867

MODE      52 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  111.482811     .000000   -6483.628 -778035.364  2.6395E+06  -13377.937
REACTNS -114.849533     .000000    6487.754  778530.528 -2.6681E+06   13781.944
CONSTRS  -19.179537     .000000     .000000     .000000   11523.959    2301.544

  TOTAL  -22.546259     .000000    4.126368  495.164109  -17066.755    2705.551

MODE      53 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    1358.325     .000000   21058.186  2.5270E+06 -5.6088E+06 -162998.961
REACTNS   -1357.431     .000000  -21015.756 -2.5219E+06  5.4684E+06  162891.691
CONSTRS  -13.508384     .000000     .000000     .000000  108259.597    1621.006

  TOTAL  -12.614464     .000000   42.429819    5091.578  -32121.718    1513.736

MODE      54 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    1541.709     .000000    4565.656  547878.740 -1.4434E+06 -185005.136
REACTNS   -1539.551     .000000   -4565.113 -547813.506  1.3233E+06  184746.108
CONSTRS    8.266929     .000000     .000000     .000000  120044.728 -992.031521

  TOTAL   10.425494     .000000    0.543617   65.234056  -38.910737   -1251.059

MODE      55 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   95.872210     .000000   26890.635  3.2269E+06 -7.3781E+06  -11504.665
REACTNS  -92.101061     .000000  -26884.592 -3.2262E+06  7.3462E+06   11052.127
CONSTRS   -2.210668     .000000     .000000     .000000   17055.840  265.280130

  TOTAL    1.560481     .000000    6.043187  725.182459  -14831.804 -187.257769

MODE      56 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -671.632845     .000000   14777.099  1.7733E+06 -1.1253E+07   80595.941
REACTNS  681.632480     .000000  -14786.448 -1.7744E+06  1.1329E+07  -81795.898
CONSTRS   -2.306277     .000000     .000000     .000000  -53678.688  276.753256

  TOTAL    7.693358     .000000   -9.348761   -1121.851   21807.676 -923.202947

MODE      57 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -1316.549     .000000   15003.765  1.8005E+06 -1.1290E+07  157985.875
REACTNS    1317.017     .000000  -15029.440 -1.8035E+06  1.1327E+07 -158042.059
```

```
CONSTRS   -0.131098     .000000     .000000     .000000  -27267.372   15.731795

  TOTAL    0.337104     .000000  -25.675048   -3081.006    9744.812  -40.452507

MODE      58 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  861.458600     .000000   14766.955  1.7720E+06 -1.0658E+07 -103375.032
REACTNS -865.085933     .000000  -14766.766 -1.7720E+06  1.0615E+07  103810.312
CONSTRS    2.322708     .000000     .000000     .000000   34987.881 -278.725016

  TOTAL   -1.304624     .000000    0.188203   22.584307   -7353.795  156.554895

MODE      59 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  818.119322     .000000    5312.895  637547.400 -3.1727E+06  -98174.319
REACTNS -824.432846     .000000   -5331.551 -639786.106  3.1580E+06   98931.942
CONSTRS   16.245700     .000000     .000000     .000000   27311.133   -1949.484

  TOTAL    9.932175     .000000  -18.655885   -2238.706   12625.690   -1191.861

MODE      60 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -233.249259     .000000   -2874.682 -344961.893  1.8889E+06   27989.911
REACTNS  229.085444     .000000    2869.059  344287.056 -1.8873E+06  -27490.253
CONSTRS   -1.972388     .000000     .000000     .000000   -5369.984  236.686574

  TOTAL   -6.136203     .000000   -5.623647 -674.837630   -3764.076  736.344384

MODE      61 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -194.803590     .000000   -7.090364 -850.843660  -62508.477   23376.431
REACTNS  194.655026     .000000   31.583791    3790.055   59648.813  -23358.603
CONSTRS    0.189411     .000000     .000000     .000000  -10486.141  -22.729374

  TOTAL    0.040848     .000000   24.493427    2939.211  -13345.806   -4.901704

MODE      62 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -7.525184     .000000   18.952115    2274.254   91038.780  903.022077
REACTNS    7.609939     .000000    7.732895  927.947412 -102358.677 -913.192666
CONSTRS   -2.170571     .000000     .000000     .000000   -1835.338  260.468527

  TOTAL   -2.085816     .000000   26.685010    3202.201  -13155.236  250.297938

MODE      63 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   56.006680     .000000  636.815251   76417.830 -615912.097   -6720.802
REACTNS  -55.684757     .000000 -638.357028  -76602.843  616796.934    6682.171
CONSTRS    1.485484     .000000     .000000     .000000  865.643187 -178.258064

  TOTAL    1.807407     .000000   -1.541777 -185.013193    1750.480 -216.888858
```

MODE 64 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	93.920029	.000000	-37.322265	-4478.672	134454.554	-11270.404
REACTNS	-91.606292	.000000	54.926095	6591.131	-149257.171	10992.755
CONSTRS	-1.149141	.000000	.000000	.000000	7428.363	137.896973
TOTAL	1.164596	.000000	17.603831	2112.460	-7374.254	-139.751564

MODE 65 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	35.477137	.000000	132.586071	15910.329	-14866.074	-4257.256
REACTNS	-35.410642	.000000	-129.020774	-15482.493	7484.566	4249.277
CONSTRS	0.999772	.000000	.000000	.000000	6483.756	-119.972675
TOTAL	1.066268	.000000	3.565297	427.835623	-897.751879	-127.952124

MODE 66 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	24.191816	.000000	428.785287	51454.234	-325986.184	-2903.018
REACTNS	-23.930943	.000000	-437.528689	-52503.443	329766.490	2871.713
CONSTRS	0.578883	.000000	.000000	.000000	-512.144469	-69.465971
TOTAL	0.839757	.000000	-8.743402	-1049.208	3268.162	-100.770801

MODE 67 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	4.831800	.000000	40.369771	4844.373	-96256.376	-579.816045
REACTNS	-6.746991	.000000	-42.410836	-5089.300	89927.737	809.638935
CONSTRS	-0.181867	.000000	.000000	.000000	2661.763	21.824076
TOTAL	-2.097058	.000000	-2.041065	-244.927791	-3666.876	251.646967

MODE 68 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-829.695906	.000000	-3553.459	-426415.069	2.3874E+06	99563.509
REACTNS	827.923168	.000000	3569.080	428289.616	-2.3353E+06	-99350.780
CONSTRS	0.941666	.000000	.000000	.000000	-60524.087	-112.999922
TOTAL	-0.831071	.000000	15.621230	1874.548	-8373.129	99.728539

MODE 69 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	692.570934	.000000	560.916700	67310.004	133259.261	-83108.512
REACTNS	-692.427303	.000000	-580.830967	-69699.716	-180975.730	83091.276
CONSTRS	-4.264593	.000000	.000000	.000000	54058.674	511.751146
TOTAL	-4.120961	.000000	-19.914267	-2389.712	6342.205	494.515351

MODE 70 ----------

```
                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  836.030000     .000000    1322.747  158729.661  4.3874E+06 -100323.600
REACTNS -836.141255     .000000   -1321.157 -158538.822 -4.5587E+06  100336.951
CONSTRS   -0.442167     .000000     .000000     .000000  170648.854   53.060015

  TOTAL   -0.553422     .000000    1.590324  190.838936 -649.781532   66.410691

MODE      71 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    1192.778     .000000   -2642.855 -317142.634  2.3621E+06 -143133.313
REACTNS   -1193.675     .000000    2634.921  316190.526 -2.3836E+06  143241.013
CONSTRS   -4.487777     .000000     .000000     .000000   24522.280  538.533231

  TOTAL   -5.385283     .000000   -7.934232 -952.107857    2960.277  646.233914

MODE      72 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    1265.706     .000000    2953.387  354406.439 -406914.820 -151884.712
REACTNS   -1263.259     .000000   -2960.155 -355218.612  425246.254  151591.089
CONSTRS   -1.085152     .000000     .000000     .000000  -12192.219  130.218188

  TOTAL    1.361710     .000000   -6.768107 -812.172784    6139.215 -163.405154

MODE      73 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -771.827452     .000000  -28127.710 -3.3753E+06  1.4356E+07   92619.294
REACTNS  771.388311     .000000   28169.874  3.3804E+06 -1.4398E+07  -92566.597
CONSTRS   -1.028426     .000000     .000000     .000000   24262.736  123.411096

  TOTAL   -1.467567     .000000   42.164469    5059.736  -17752.918  176.107987

MODE      74 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    1979.032     .000000    6681.414  801769.657 -1.1308E+07 -237483.795
REACTNS   -1976.740     .000000   -6657.842 -798941.006  1.1485E+07  237208.768
CONSTRS   21.327388     .000000     .000000     .000000 -177429.557   -2559.287

  TOTAL   23.619277     .000000   23.572094    2828.651  -42.880507   -2834.313

MODE      75 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  234.501390     .000000    4185.358  502243.020 -4.3808E+06  -28140.167
REACTNS -239.318700     .000000   -4213.439 -505612.631  4.3798E+06   28718.244
CONSTRS  -10.819464     .000000     .000000     .000000    9583.836    1298.336

  TOTAL  -15.636774     .000000  -28.080091   -3369.611    8572.895    1876.413

MODE      76 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    2336.484     .000000 -817.104617  -98052.554 -7.6515E+06 -280378.030
```

```
REACTNS   -2333.476     .000000  850.783085  102093.970  7.7910E+06  280017.175
CONSTRS   14.802740     .000000     .000000     .000000 -141210.044   -1776.329

  TOTAL   17.809861     .000000   33.678468    4041.416   -1737.883   -2137.183

MODE      77 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    6062.183     .000000   -8132.500 -975899.954  3.5314E+06 -727461.903
REACTNS   -6063.828     .000000    8149.323  977918.760 -3.5379E+06  727659.403
CONSTRS   -0.778013     .000000     .000000     .000000    4393.017   93.361560

  TOTAL   -2.423842     .000000   16.823387    2018.806   -2125.515  290.861092

MODE      78 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    9908.589     .000000    8660.152  1.0392E+06 -550685.164 -1.1890E+06
REACTNS   -9909.219     .000000   -8652.510 -1.0383E+06  511107.632  1.1891E+06
CONSTRS    5.062114     .000000     .000000     .000000   39442.916 -607.453699

  TOTAL    4.432375     .000000    7.641349  916.961884 -134.615911 -531.885025

MODE      79 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  199.506571     .000000    8367.445  1.0041E+06  2.5505E+06  -23940.789
REACTNS -197.203274     .000000   -8395.595 -1.0075E+06 -2.8172E+06   23664.393
CONSTRS   -8.759346     .000000     .000000     .000000  279284.108    1051.121

  TOTAL   -6.456049     .000000  -28.149973   -3377.997   12576.579  774.725875

MODE      80 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    7391.211     .000000   -4344.320 -521318.345  1.0730E+07 -886945.265
REACTNS   -7397.126     .000000    4342.671  521120.516 -1.0927E+07  887655.177
CONSTRS   25.169518     .000000     .000000     .000000  220018.589   -3020.342

  TOTAL   19.253585     .000000   -1.648575 -197.828944   22594.938   -2310.430

MODE      81 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -1099.416     .000000   39794.048  4.7753E+06 -2.5618E+07  131929.961
REACTNS    1087.155     .000000  -39802.453 -4.7763E+06  2.5631E+07 -130458.542
CONSTRS   34.199366     .000000     .000000     .000000   37733.471   -4103.924

  TOTAL   21.937537     .000000   -8.404876   -1008.585   50161.996   -2632.504

MODE      82 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  -11.349871     .000000  -13046.556 -1.5656E+06  3.4509E+06    1361.984
REACTNS    3.161187     .000000   13030.709  1.5637E+06 -3.4975E+06 -379.342459
CONSTRS    3.066592     .000000     .000000     .000000   48674.513 -367.991016
```

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  TOTAL   -5.122092     .000000  -15.846600   -1901.592    2035.821  614.650996

MODE      83 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -7951.762     .000000   -5489.959 -658795.135  3.2358E+06  954211.403
REACTNS    7942.773     .000000    5479.256  657510.666 -3.0652E+06 -953132.769
CONSTRS  -17.407705     .000000     .000000     .000000 -193900.074    2088.925

  TOTAL  -26.396319     .000000  -10.703907   -1284.469  -23250.300    3167.558

MODE      84 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   11122.155     .000000    5292.141  635056.951 -5.1660E+06 -1.3347E+06
REACTNS  -11122.017     .000000   -5293.983 -635277.986  4.8915E+06  1.3346E+06
CONSTRS   10.178008     .000000     .000000     .000000  270669.696   -1221.361

  TOTAL   10.316094     .000000   -1.841959 -221.035095   -3899.161   -1237.931

MODE      85 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    2014.663     .000000    8304.683  996561.926 -3.1041E+06 -241759.522
REACTNS   -2012.574     .000000   -8316.867 -998024.009  3.3644E+06  241508.862
CONSTRS  -41.374853     .000000     .000000     .000000 -286605.520    4964.982

  TOTAL  -39.286015     .000000  -12.184020   -1462.082  -26383.854    4714.322

MODE      86 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    8180.990     .000000   18775.762  2.2531E+06 -1.3822E+07 -981718.810
REACTNS   -8191.671     .000000  -18770.039 -2.2524E+06  1.3757E+07  983000.499
CONSTRS  -44.074954     .000000     .000000     .000000   20397.921    5288.994

  TOTAL  -54.755698     .000000    5.723497  686.819597  -44784.995    6570.684

MODE      87 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   10827.118     .000000   -7172.831 -860739.708  9.8701E+06 -1.2993E+06
REACTNS  -10826.971     .000000    7167.085  860050.174 -9.8026E+06  1.2992E+06
CONSTRS    0.746377     .000000     .000000     .000000  -69568.364  -89.565226

  TOTAL    0.893021     .000000   -5.746113 -689.533516   -2119.779 -107.162472

MODE      88 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  -66162.393     .000000    2206.010  264721.217 -1.0041E+07  7.9395E+06
REACTNS   82559.616     .000000    3530.034  423604.092  1.3087E+07 -9.9072E+06
CONSTRS   -1006.134     .000000     .000000     .000000 -571776.113  120736.092

  TOTAL   15391.089     .000000    5736.044  688325.308  2.4744E+06 -1.8469E+06

MODE      89 ------------------
```

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	18.906667	.000000	-210396.718	-2.5248E+07	1.0422E+08	-2268.800
REACTNS	2977.336	.000000	262991.339	3.1559E+07	-1.2222E+08	-357280.276
CONSTRS	-7398.303	.000000	.000000	.000000	-5.1012E+06	887796.417
TOTAL	-4402.061	.000000	52594.621	6.3114E+06	-2.3098E+07	528247.341

SPEC HORIZ ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	8230.632	.000000	462.332136	55479.856	4.8026E+06	987675.816
REACTNS	8231.356	.000000	462.010342	55441.241	4.6929E+06	987762.749
CONSTRS	1.436475	.000000	.000000	.000000	109166.519	172.376961
TOTAL	21.965456	.000000	8.344787	1001.374	3701.197	2635.855

COMBDEADLOAD ---------- MAX

	FX	FY	FZ	MX	MY	MZ
APPLIED	1.49E-15	7.10E-30	48738.749	5.8486E+06	2.5636E+07	1.79E-13
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	1.91E-11	1.02E-30	48738.749	5.8486E+06	2.5635E+07	2.30E-09
CONSTRS	6.11E-12	.000000	.000000	.000000	1040.415	7.34E-10
TOTAL	1.75E-11	6.08E-30	3.73E-10	4.43E-08	2.10E-07	2.11E-09

COMBDEADLOAD ---------- MIN

	FX	FY	FZ	MX	MY	MZ
APPLIED	-1.49E-15	-7.10E-30	-48738.749	-5.8486E+06	-2.5636E+07	-1.79E-13
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	-1.91E-11	-1.02E-30	-48738.749	-5.8486E+06	-2.5635E+07	-2.30E-09
CONSTRS	-6.11E-12	.000000	.000000	.000000	-1040.415	-7.34E-10
TOTAL	-1.75E-11	-6.08E-30	-3.73E-10	-4.43E-08	-2.10E-07	-2.11E-09

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F R A M E E L E M E N T I N T E R N A L F O R C E S

ELEM 1 ========== LENGTH = 18.250000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	942.088457	13.558687	.000000	.000000	.000000	1.11E-12
0.50000	942.088457	13.558687	.000000	.000000	.000000	123.723015
1.00000	942.088457	13.558687	.000000	.000000	.000000	247.446030

ELEM 2 ========== LENGTH = 56.750000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	941.952889	7.229954	.000000	.000000	.000000	247.446030
0.50000	941.952889	7.229954	.000000	.000000	.000000	87.208562
1.00000	941.952889	7.229954	.000000	.000000	.000000	195.330826

```
ELEM       3 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  940.729146   17.076363     .000000     .000000     .000000  195.330826
0.50000  940.729146   17.076363     .000000     .000000     .000000  123.418789
1.00000  940.729146   17.076363     .000000     .000000     .000000  276.209507

ELEM       4 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  939.524887    7.141556     .000000     .000000     .000000  276.209507
0.50000  939.524887    7.141556     .000000     .000000     .000000   50.752427
1.00000  939.524887    7.141556     .000000     .000000     .000000  247.096436

ELEM       5 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  936.414131   18.598044     .000000     .000000     .000000  247.096436
0.50000  936.414131   18.598044     .000000     .000000     .000000   94.435739
1.00000  936.414131   18.598044     .000000     .000000     .000000  237.476503

ELEM       6 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  934.439090    5.935529     .000000     .000000     .000000  237.476503
0.50000  934.439090    5.935529     .000000     .000000     .000000  146.629817
1.00000  934.439090    5.935529     .000000     .000000     .000000  279.146909

ELEM       7 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  929.632197   17.840485     .000000     .000000     .000000  279.146909
0.50000  929.632197   17.840485     .000000     .000000     .000000   76.811034
1.00000  929.632197   17.840485     .000000     .000000     .000000  159.819731

ELEM       8 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  927.976842    4.029095     .000000     .000000     .000000  159.819731
0.50000  927.976842    4.029095     .000000     .000000     .000000  293.452466
1.00000  927.976842    4.029095     .000000     .000000     .000000  434.469638

ELEM       9 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  923.020974   20.046636     .000000     .000000     .000000  434.469638
0.50000  923.020974   20.046636     .000000     .000000     .000000  195.082227
1.00000  923.020974   20.046636     .000000     .000000     .000000   55.571188
```

```
ELEM      10 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  922.505304   23.913554     .000000     .000000     .000000   55.571188
0.50000  922.505304   23.913554     .000000     .000000     .000000  335.284866
1.00000  922.505304   23.913554     .000000     .000000     .000000  621.642063

ELEM      11 ================== LENGTH =    9.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  917.035655   16.374171     .000000     .000000     .000000  621.642063
0.50000  917.035655   16.374171     .000000     .000000     .000000  544.427406
1.00000  917.035655   16.374171     .000000     .000000     .000000  467.229599

ELEM      12 ================== LENGTH =   68.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  916.782048   14.646407     .000000     .000000     .000000  467.229599
0.50000  916.782048   14.646407     .000000     .000000     .000000   37.331969
1.00000  916.782048   14.646407     .000000     .000000     .000000  537.295961

ELEM      13 ================== LENGTH =   21.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   45.959121   25.585522     .000000     .000000     .000000  537.295961
0.50000   45.959121   25.585522     .000000     .000000     .000000  268.647980
1.00000   45.959121   25.585522     .000000     .000000     .000000    1.59E-11

ELEM      14 ================== LENGTH =  103.966341

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4531.339     .000000     .000000     .000000     .000000     .000000
0.50000    4531.339     .000000     .000000     .000000     .000000     .000000
1.00000    4531.339     .000000     .000000     .000000     .000000     .000000

ELEM      15 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   41.109281     .000000     .000000     .000000     .000000     .000000
0.25000   41.109281     .000000     .000000     .000000     .000000     .000000
0.50000   41.109281     .000000     .000000     .000000     .000000     .000000
0.75000   41.109281     .000000     .000000     .000000     .000000     .000000
1.00000   41.109281     .000000     .000000     .000000     .000000     .000000

ELEM      16 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   60.218349     .000000     .000000     .000000     .000000     .000000
```

```
0.25000   60.218349     .000000     .000000     .000000     .000000     .000000
0.50000   60.218349     .000000     .000000     .000000     .000000     .000000
0.75000   60.218349     .000000     .000000     .000000     .000000     .000000
1.00000   60.218349     .000000     .000000     .000000     .000000     .000000

ELEM      17 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   62.026351     .000000     .000000     .000000     .000000     .000000
0.25000   62.026351     .000000     .000000     .000000     .000000     .000000
0.50000   62.026351     .000000     .000000     .000000     .000000     .000000
0.75000   62.026351     .000000     .000000     .000000     .000000     .000000
1.00000   62.026351     .000000     .000000     .000000     .000000     .000000

ELEM      18 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   20.268026     .000000     .000000     .000000     .000000     .000000
0.25000   20.268026     .000000     .000000     .000000     .000000     .000000
0.50000   20.268026     .000000     .000000     .000000     .000000     .000000
0.75000   20.268026     .000000     .000000     .000000     .000000     .000000
1.00000   20.268026     .000000     .000000     .000000     .000000     .000000

ELEM      19 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   78.613346     .000000     .000000     .000000     .000000     .000000
0.25000   78.613346     .000000     .000000     .000000     .000000     .000000
0.50000   78.613346     .000000     .000000     .000000     .000000     .000000
0.75000   78.613346     .000000     .000000     .000000     .000000     .000000
1.00000   78.613346     .000000     .000000     .000000     .000000     .000000

ELEM      20 ================== LENGTH =  106.150836

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1201.861     .000000     .000000     .000000     .000000     .000000
0.50000    1201.861     .000000     .000000     .000000     .000000     .000000
1.00000    1201.861     .000000     .000000     .000000     .000000     .000000

ELEM      21 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  578.940811     .000000     .000000     .000000     .000000     .000000
0.25000  578.940811     .000000     .000000     .000000     .000000     .000000
0.50000  578.940811     .000000     .000000     .000000     .000000     .000000
0.75000  578.940811     .000000     .000000     .000000     .000000     .000000
1.00000  578.940811     .000000     .000000     .000000     .000000     .000000

ELEM      22 ================== LENGTH =   60.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000  340.222111    0.912580     .000000     .000000     .000000    1.39E-13
0.50000  340.222111    0.912580     .000000     .000000     .000000   27.605536
1.00000  340.222111    0.912580     .000000     .000000     .000000   55.211072

ELEM      23 ================== LENGTH =   62.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  340.078884    3.564164     .000000     .000000     .000000   55.211072
0.50000  340.078884    3.564164     .000000     .000000     .000000   72.636863
1.00000  340.078884    3.564164     .000000     .000000     .000000  178.660670

ELEM      24 ================== LENGTH =   39.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  339.821741   13.791377     .000000     .000000     .000000  178.660670
0.50000  339.821741   13.791377     .000000     .000000     .000000  103.039081
1.00000  339.821741   13.791377     .000000     .000000     .000000  373.604137

ELEM      25 ================== LENGTH =   56.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  336.119501   13.894520     .000000     .000000     .000000  373.604137
0.50000  336.119501   13.894520     .000000     .000000     .000000  138.667303
1.00000  336.119501   13.894520     .000000     .000000     .000000  457.989475

ELEM      26 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  183.764023   35.763272     .000000     .000000     .000000  457.989475
0.50000  183.764023   35.763272     .000000     .000000     .000000  116.905230
1.00000  183.764023   35.763272     .000000     .000000     .000000  431.201398

ELEM      27 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  179.441165   11.765564     .000000     .000000     .000000  431.201398
0.50000  179.441165   11.765564     .000000     .000000     .000000  171.561749
1.00000  179.441165   11.765564     .000000     .000000     .000000  481.392678

ELEM      28 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  179.068131   44.697896     .000000     .000000     .000000  481.392678
0.50000  179.068131   44.697896     .000000     .000000     .000000  138.794533
1.00000  179.068131   44.697896     .000000     .000000     .000000  618.210868

ELEM      29 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000  174.874331   13.580575     .000000     .000000     .000000  618.210868
0.50000  174.874331   13.580575     .000000     .000000     .000000  226.488287
1.00000  174.874331   13.580575     .000000     .000000     .000000  445.485108

ELEM      30 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  174.446586   27.600131     .000000     .000000     .000000  445.485108
0.50000  174.446586   27.600131     .000000     .000000     .000000  174.522205
1.00000  174.446586   27.600131     .000000     .000000     .000000  286.090856

ELEM      31 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  171.756641    2.590532     .000000     .000000     .000000  286.090856
0.50000  171.756641    2.590532     .000000     .000000     .000000  297.909764
1.00000  171.756641    2.590532     .000000     .000000     .000000  336.224644

ELEM      32 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  171.262792   11.107086     .000000     .000000     .000000  336.224644
0.50000  171.262792   11.107086     .000000     .000000     .000000  204.008852
1.00000  171.262792   11.107086     .000000     .000000     .000000   75.643962

ELEM      33 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  170.577801   17.839218     .000000     .000000     .000000   75.643962
0.50000  170.577801   17.839218     .000000     .000000     .000000  146.207885
1.00000  170.577801   17.839218     .000000     .000000     .000000  358.725439

ELEM      34 ================== LENGTH =    9.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   97.012282    5.601617     .000000     .000000     .000000  358.725439
0.50000   97.012282    5.601617     .000000     .000000     .000000  332.434530
1.00000   97.012282    5.601617     .000000     .000000     .000000  306.168028

ELEM      35 ================== LENGTH =   89.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   96.534979    3.418485     .000000     .000000     .000000  306.168028
0.50000   96.534979    3.418485     .000000     .000000     .000000  153.084014
1.00000   96.534979    3.418485     .000000     .000000     .000000    1.67E-13

ELEM      36 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000    5.040198     .000000     .000000     .000000     .000000     .000000
0.25000    5.040198     .000000     .000000     .000000     .000000     .000000
0.50000    5.040198     .000000     .000000     .000000     .000000     .000000
0.75000    5.040198     .000000     .000000     .000000     .000000     .000000
1.00000    5.040198     .000000     .000000     .000000     .000000     .000000

ELEM      37 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   18.170862     .000000     .000000     .000000     .000000     .000000
0.25000   18.170862     .000000     .000000     .000000     .000000     .000000
0.50000   18.170862     .000000     .000000     .000000     .000000     .000000
0.75000   18.170862     .000000     .000000     .000000     .000000     .000000
1.00000   18.170862     .000000     .000000     .000000     .000000     .000000

ELEM      38 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  687.056142     .000000     .000000     .000000     .000000     .000000
0.25000  687.056142     .000000     .000000     .000000     .000000     .000000
0.50000  687.056142     .000000     .000000     .000000     .000000     .000000
0.75000  687.056142     .000000     .000000     .000000     .000000     .000000
1.00000  687.056142     .000000     .000000     .000000     .000000     .000000

ELEM      39 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4040.379     .000000     .000000     .000000     .000000     .000000
0.50000    4040.379     .000000     .000000     .000000     .000000     .000000
1.00000    4040.379     .000000     .000000     .000000     .000000     .000000

ELEM      40 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  116.900153     .000000     .000000     .000000     .000000     .000000
0.25000  116.900153     .000000     .000000     .000000     .000000     .000000
0.50000  116.900153     .000000     .000000     .000000     .000000     .000000
0.75000  116.900153     .000000     .000000     .000000     .000000     .000000
1.00000  116.900153     .000000     .000000     .000000     .000000     .000000

ELEM      41 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  103.837114     .000000     .000000     .000000     .000000     .000000
0.25000  103.837114     .000000     .000000     .000000     .000000     .000000
0.50000  103.837114     .000000     .000000     .000000     .000000     .000000
0.75000  103.837114     .000000     .000000     .000000     .000000     .000000
1.00000  103.837114     .000000     .000000     .000000     .000000     .000000

ELEM      42 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	16.206297	.000000	.000000	.000000	.000000	.000000
0.25000	16.206297	.000000	.000000	.000000	.000000	.000000
0.50000	16.206297	.000000	.000000	.000000	.000000	.000000
0.75000	16.206297	.000000	.000000	.000000	.000000	.000000
1.00000	16.206297	.000000	.000000	.000000	.000000	.000000

ELEM 43 ========== LENGTH = 86.533231

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1341.924	.000000	.000000	.000000	.000000	.000000
0.50000	1341.924	.000000	.000000	.000000	.000000	.000000
1.00000	1341.924	.000000	.000000	.000000	.000000	.000000

ELEM 44 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	199.939119	.000000	.000000	.000000	.000000	.000000
0.25000	199.939119	.000000	.000000	.000000	.000000	.000000
0.50000	199.939119	.000000	.000000	.000000	.000000	.000000
0.75000	199.939119	.000000	.000000	.000000	.000000	.000000
1.00000	199.939119	.000000	.000000	.000000	.000000	.000000

ELEM 45 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	137.553216	.000000	.000000	.000000	.000000	.000000
0.25000	137.553216	.000000	.000000	.000000	.000000	.000000
0.50000	137.553216	.000000	.000000	.000000	.000000	.000000
0.75000	137.553216	.000000	.000000	.000000	.000000	.000000
1.00000	137.553216	.000000	.000000	.000000	.000000	.000000

ELEM 46 ========== LENGTH = 60.500000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	798.155685	1.049678	.000000	.000000	.000000	5.69E-14
0.50000	798.155685	1.049678	.000000	.000000	.000000	31.752757
1.00000	798.155685	1.049678	.000000	.000000	.000000	63.505515

ELEM 47 ========== LENGTH = 62.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	797.965761	4.145459	.000000	.000000	.000000	63.505515
0.50000	797.965761	4.145459	.000000	.000000	.000000	79.859938
1.00000	797.965761	4.145459	.000000	.000000	.000000	204.331854

ELEM 48 ========== LENGTH = 39.750000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	797.613876	14.611547	.000000	.000000	.000000	204.331854
0.50000	797.613876	14.611547	.000000	.000000	.000000	98.589734

```
1.00000  797.613876   14.611547     .000000     .000000     .000000  382.567525

ELEM      49 ================== LENGTH =   56.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  793.920988   13.725585     .000000     .000000     .000000  382.567525
0.50000  793.920988   13.725585     .000000     .000000     .000000  162.717984
1.00000  793.920988   13.725585     .000000     .000000     .000000  458.213911

ELEM      50 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  793.355476   38.292395     .000000     .000000     .000000  458.213911
0.50000  793.355476   38.292395     .000000     .000000     .000000  117.876206
1.00000  793.355476   38.292395     .000000     .000000     .000000  490.026709

ELEM      51 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  784.415518   12.829938     .000000     .000000     .000000  490.026709
0.50000  784.415518   12.829938     .000000     .000000     .000000  181.503117
1.00000  784.415518   12.829938     .000000     .000000     .000000  502.416890

ELEM      52 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1342.623   42.078798     .000000     .000000     .000000  502.416890
0.50000    1342.623   42.078798     .000000     .000000     .000000  143.952886
1.00000    1342.623   42.078798     .000000     .000000     .000000  546.774359

ELEM      53 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1336.897   11.219560     .000000     .000000     .000000  546.774359
0.50000    1336.897   11.219560     .000000     .000000     .000000  173.957907
1.00000    1336.897   11.219560     .000000     .000000     .000000  296.374152

ELEM      54 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1336.227   19.214142     .000000     .000000     .000000  296.374152
0.50000    1336.227   19.214142     .000000     .000000     .000000  135.843617
1.00000    1336.227   19.214142     .000000     .000000     .000000  235.359545

ELEM      55 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1331.803    8.873677     .000000     .000000     .000000  235.359545
0.50000    1331.803    8.873677     .000000     .000000     .000000  213.002433
```

```
1.00000    1331.803    8.873677     .000000     .000000     .000000  489.331764

ELEM      56 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  105.543102  131.186358     .000000     .000000     .000000  489.331764
0.50000  105.543102  131.186358     .000000     .000000     .000000    1103.456
1.00000  105.543102  131.186358     .000000     .000000     .000000    2674.365

ELEM      57 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   32.695700  153.097862     .000000     .000000     .000000    2674.365
0.50000   32.695700  153.097862     .000000     .000000     .000000  842.767607
1.00000   32.695700  153.097862     .000000     .000000     .000000    1009.310

ELEM      58 ================== LENGTH =    9.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   31.529914   12.003839     .000000     .000000     .000000    1009.310
0.50000   31.529914   12.003839     .000000     .000000     .000000  952.778720
1.00000   31.529914   12.003839     .000000     .000000     .000000  896.261099

ELEM      59 ================== LENGTH =   89.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   30.792823   10.007102     .000000     .000000     .000000  896.261099
0.50000   30.792823   10.007102     .000000     .000000     .000000  448.130549
1.00000   30.792823   10.007102     .000000     .000000     .000000    1.21E-12

ELEM      60 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   10.686565     .000000     .000000     .000000     .000000     .000000
0.25000   10.686565     .000000     .000000     .000000     .000000     .000000
0.50000   10.686565     .000000     .000000     .000000     .000000     .000000
0.75000   10.686565     .000000     .000000     .000000     .000000     .000000
1.00000   10.686565     .000000     .000000     .000000     .000000     .000000

ELEM      61 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   36.345412     .000000     .000000     .000000     .000000     .000000
0.25000   36.345412     .000000     .000000     .000000     .000000     .000000
0.50000   36.345412     .000000     .000000     .000000     .000000     .000000
0.75000   36.345412     .000000     .000000     .000000     .000000     .000000
1.00000   36.345412     .000000     .000000     .000000     .000000     .000000

ELEM      62 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------
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REL DIST          P          V2          V3           T          M2          M3
0.00000  657.555572     .000000     .000000     .000000     .000000     .000000
0.25000  657.555572     .000000     .000000     .000000     .000000     .000000
0.50000  657.555572     .000000     .000000     .000000     .000000     .000000
0.75000  657.555572     .000000     .000000     .000000     .000000     .000000
1.00000  657.555572     .000000     .000000     .000000     .000000     .000000

ELEM      63 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  400.872308     .000000     .000000     .000000     .000000     .000000
0.25000  400.872308     .000000     .000000     .000000     .000000     .000000
0.50000  400.872308     .000000     .000000     .000000     .000000     .000000
0.75000  400.872308     .000000     .000000     .000000     .000000     .000000
1.00000  400.872308     .000000     .000000     .000000     .000000     .000000

ELEM      64 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3213.161     .000000     .000000     .000000     .000000     .000000
0.50000    3213.161     .000000     .000000     .000000     .000000     .000000
1.00000    3213.161     .000000     .000000     .000000     .000000     .000000

ELEM      65 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  133.515001     .000000     .000000     .000000     .000000     .000000
0.25000  133.515001     .000000     .000000     .000000     .000000     .000000
0.50000  133.515001     .000000     .000000     .000000     .000000     .000000
0.75000  133.515001     .000000     .000000     .000000     .000000     .000000
1.00000  133.515001     .000000     .000000     .000000     .000000     .000000

ELEM      66 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2525.006     .000000     .000000     .000000     .000000     .000000
0.50000    2525.006     .000000     .000000     .000000     .000000     .000000
1.00000    2525.006     .000000     .000000     .000000     .000000     .000000

ELEM      67 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  259.420184     .000000     .000000     .000000     .000000     .000000
0.25000  259.420184     .000000     .000000     .000000     .000000     .000000
0.50000  259.420184     .000000     .000000     .000000     .000000     .000000
0.75000  259.420184     .000000     .000000     .000000     .000000     .000000
1.00000  259.420184     .000000     .000000     .000000     .000000     .000000

ELEM      68 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	72.845914	.000000	.000000	.000000	.000000	.000000
0.25000	72.845914	.000000	.000000	.000000	.000000	.000000
0.50000	72.845914	.000000	.000000	.000000	.000000	.000000
0.75000	72.845914	.000000	.000000	.000000	.000000	.000000
1.00000	72.845914	.000000	.000000	.000000	.000000	.000000

ELEM 69 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	118.024709	.000000	.000000	.000000	.000000	.000000
0.25000	118.024709	.000000	.000000	.000000	.000000	.000000
0.50000	118.024709	.000000	.000000	.000000	.000000	.000000
0.75000	118.024709	.000000	.000000	.000000	.000000	.000000
1.00000	118.024709	.000000	.000000	.000000	.000000	.000000

ELEM 70 ========== LENGTH = 60.500000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	75.292420	1.080908	.000000	.000000	.000000	1.13E-13
0.50000	75.292420	1.080908	.000000	.000000	.000000	32.697452
1.00000	75.292420	1.080908	.000000	.000000	.000000	65.394905

ELEM 71 ========== LENGTH = 62.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	75.251352	4.127195	.000000	.000000	.000000	65.394905
0.50000	75.251352	4.127195	.000000	.000000	.000000	76.962056
1.00000	75.251352	4.127195	.000000	.000000	.000000	200.770175

ELEM 72 ========== LENGTH = 39.750000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	75.175521	14.490489	.000000	.000000	.000000	200.770175
0.50000	75.175521	14.490489	.000000	.000000	.000000	97.370715
1.00000	75.175521	14.490489	.000000	.000000	.000000	380.183743

ELEM 73 ========== LENGTH = 56.750000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	74.379425	14.058150	.000000	.000000	.000000	380.183743
0.50000	74.379425	14.058150	.000000	.000000	.000000	120.649627
1.00000	74.379425	14.058150	.000000	.000000	.000000	450.350325

ELEM 74 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	74.257740	36.914725	.000000	.000000	.000000	450.350325
0.50000	74.257740	36.914725	.000000	.000000	.000000	113.215967
1.00000	74.257740	36.914725	.000000	.000000	.000000	463.979534

```
ELEM      75 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   72.336985   13.052507     .000000     .000000     .000000  463.979534
0.50000   72.336985   13.052507     .000000     .000000     .000000  131.837232
1.00000   72.336985   13.052507     .000000     .000000     .000000  510.958714

ELEM      76 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   72.153848   42.816945     .000000     .000000     .000000  510.958714
0.50000   72.153848   42.816945     .000000     .000000     .000000  115.234352
1.00000   72.153848   42.816945     .000000     .000000     .000000  541.725806

ELEM      77 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   69.984296   11.703661     .000000     .000000     .000000  541.725806
0.50000   69.984296   11.703661     .000000     .000000     .000000  186.465482
1.00000   69.984296   11.703661     .000000     .000000     .000000  362.095120

ELEM      78 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   30.196014   22.885120     .000000     .000000     .000000  362.095120
0.50000   30.196014   22.885120     .000000     .000000     .000000  141.902691
1.00000   30.196014   22.885120     .000000     .000000     .000000  244.936195

ELEM      79 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   28.456391    3.570231     .000000     .000000     .000000  244.936195
0.50000   28.456391    3.570231     .000000     .000000     .000000  136.785837
1.00000   28.456391    3.570231     .000000     .000000     .000000  102.303697

ELEM      80 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   28.133404   51.268479     .000000     .000000     .000000  102.303697
0.50000   28.133404   51.268479     .000000     .000000     .000000  608.945636
1.00000   28.133404   51.268479     .000000     .000000     .000000    1219.901

ELEM      81 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   20.378102   77.789604     .000000     .000000     .000000    1219.901
0.50000   20.378102   77.789604     .000000     .000000     .000000  293.190162
1.00000   20.378102   77.789604     .000000     .000000     .000000  653.080312
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ELEM      82 ================== LENGTH =    9.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   20.131145    8.556158     .000000     .000000     .000000  653.080312
0.50000   20.131145    8.556158     .000000     .000000     .000000  612.741484
1.00000   20.131145    8.556158     .000000     .000000     .000000  572.407667

ELEM      83 ================== LENGTH =   89.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   19.973726    6.391153     .000000     .000000     .000000  572.407667
0.50000   19.973726    6.391153     .000000     .000000     .000000  286.203834
1.00000   19.973726    6.391153     .000000     .000000     .000000    1.21E-12

ELEM      84 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   16.709119     .000000     .000000     .000000     .000000     .000000
0.25000   16.709119     .000000     .000000     .000000     .000000     .000000
0.50000   16.709119     .000000     .000000     .000000     .000000     .000000
0.75000   16.709119     .000000     .000000     .000000     .000000     .000000
1.00000   16.709119     .000000     .000000     .000000     .000000     .000000

ELEM      85 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   55.789152     .000000     .000000     .000000     .000000     .000000
0.25000   55.789152     .000000     .000000     .000000     .000000     .000000
0.50000   55.789152     .000000     .000000     .000000     .000000     .000000
0.75000   55.789152     .000000     .000000     .000000     .000000     .000000
1.00000   55.789152     .000000     .000000     .000000     .000000     .000000

ELEM      86 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  629.191310     .000000     .000000     .000000     .000000     .000000
0.25000  629.191310     .000000     .000000     .000000     .000000     .000000
0.50000  629.191310     .000000     .000000     .000000     .000000     .000000
0.75000  629.191310     .000000     .000000     .000000     .000000     .000000
1.00000  629.191310     .000000     .000000     .000000     .000000     .000000

ELEM      87 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  372.716033     .000000     .000000     .000000     .000000     .000000
0.25000  372.716033     .000000     .000000     .000000     .000000     .000000
0.50000  372.716033     .000000     .000000     .000000     .000000     .000000
0.75000  372.716033     .000000     .000000     .000000     .000000     .000000
1.00000  372.716033     .000000     .000000     .000000     .000000     .000000

ELEM      88 ================== LENGTH =  120.000000
```

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SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2858.121     .000000     .000000     .000000     .000000     .000000
0.50000    2858.121     .000000     .000000     .000000     .000000     .000000
1.00000    2858.121     .000000     .000000     .000000     .000000     .000000

ELEM      89 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  281.904840     .000000     .000000     .000000     .000000     .000000
0.25000  281.904840     .000000     .000000     .000000     .000000     .000000
0.50000  281.904840     .000000     .000000     .000000     .000000     .000000
0.75000  281.904840     .000000     .000000     .000000     .000000     .000000
1.00000  281.904840     .000000     .000000     .000000     .000000     .000000

ELEM      90 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2840.939     .000000     .000000     .000000     .000000     .000000
0.50000    2840.939     .000000     .000000     .000000     .000000     .000000
1.00000    2840.939     .000000     .000000     .000000     .000000     .000000

ELEM      91 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  208.192196     .000000     .000000     .000000     .000000     .000000
0.25000  208.192196     .000000     .000000     .000000     .000000     .000000
0.50000  208.192196     .000000     .000000     .000000     .000000     .000000
0.75000  208.192196     .000000     .000000     .000000     .000000     .000000
1.00000  208.192196     .000000     .000000     .000000     .000000     .000000

ELEM      92 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   89.767683     .000000     .000000     .000000     .000000     .000000
0.25000   89.767683     .000000     .000000     .000000     .000000     .000000
0.50000   89.767683     .000000     .000000     .000000     .000000     .000000
0.75000   89.767683     .000000     .000000     .000000     .000000     .000000
1.00000   89.767683     .000000     .000000     .000000     .000000     .000000

ELEM      93 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  360.775865     .000000     .000000     .000000     .000000     .000000
0.25000  360.775865     .000000     .000000     .000000     .000000     .000000
0.50000  360.775865     .000000     .000000     .000000     .000000     .000000
0.75000  360.775865     .000000     .000000     .000000     .000000     .000000
1.00000  360.775865     .000000     .000000     .000000     .000000     .000000

ELEM      94 ================== LENGTH =   60.500000
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SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  833.493243    1.180919     .000000     .000000     .000000    2.21E-13
0.50000  833.493243    1.180919     .000000     .000000     .000000   35.722798
1.00000  833.493243    1.180919     .000000     .000000     .000000   71.445597

ELEM      95 ================== LENGTH =   62.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  833.365323    4.440897     .000000     .000000     .000000   71.445597
0.50000  833.365323    4.440897     .000000     .000000     .000000   79.077306
1.00000  833.365323    4.440897     .000000     .000000     .000000  212.853981

ELEM      96 ================== LENGTH =   39.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  833.128266   14.806841     .000000     .000000     .000000  212.853981
0.50000  833.128266   14.806841     .000000     .000000     .000000   95.127183
1.00000  833.128266   14.806841     .000000     .000000     .000000  382.099457

ELEM      97 ================== LENGTH =   56.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  830.637621   14.115668     .000000     .000000     .000000  382.099457
0.50000  830.637621   14.115668     .000000     .000000     .000000  105.434923
1.00000  830.637621   14.115668     .000000     .000000     .000000  443.942512

ELEM      98 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  830.255443   36.720456     .000000     .000000     .000000  443.942512
0.50000  830.255443   36.720456     .000000     .000000     .000000  113.327168
1.00000  830.255443   36.720456     .000000     .000000     .000000  465.766040

ELEM      99 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  824.195496   13.234162     .000000     .000000     .000000  465.766040
0.50000  824.195496   13.234162     .000000     .000000     .000000  104.783131
1.00000  824.195496   13.234162     .000000     .000000     .000000  508.912334

ELEM     100 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1214.920   42.072792     .000000     .000000     .000000  508.912334
0.50000    1214.920   42.072792     .000000     .000000     .000000  101.738404
1.00000    1214.920   42.072792     .000000     .000000     .000000  521.060604

ELEM     101 ================== LENGTH =   72.000000
```

```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1209.381   12.161739     .000000     .000000     .000000  521.060604
0.50000    1209.381   12.161739     .000000     .000000     .000000  208.637174
1.00000    1209.381   12.161739     .000000     .000000     .000000  446.017995

ELEM     102 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1208.742   27.942174     .000000     .000000     .000000  446.017995
0.50000    1208.742   27.942174     .000000     .000000     .000000  149.440485
1.00000    1208.742   27.942174     .000000     .000000     .000000  265.693839

ELEM     103 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1204.537    2.243464     .000000     .000000     .000000  265.693839
0.50000    1204.537    2.243464     .000000     .000000     .000000  304.584306
1.00000    1204.537    2.243464     .000000     .000000     .000000  357.765088

ELEM     104 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   68.368850   11.695489     .000000     .000000     .000000  357.765088
0.50000   68.368850   11.695489     .000000     .000000     .000000  218.125826
1.00000   68.368850   11.695489     .000000     .000000     .000000   80.968017

ELEM     105 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   66.764851   18.436801     .000000     .000000     .000000   80.968017
0.50000   66.764851   18.436801     .000000     .000000     .000000  144.380826
1.00000   66.764851   18.436801     .000000     .000000     .000000  364.734869

ELEM     106 ================== LENGTH =    9.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   65.898228    5.660165     .000000     .000000     .000000  364.734869
0.50000   65.898228    5.660165     .000000     .000000     .000000  338.182788
1.00000   65.898228    5.660165     .000000     .000000     .000000  311.657508

ELEM     107 ================== LENGTH =   89.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   65.348897    3.479777     .000000     .000000     .000000  311.657508
0.50000   65.348897    3.479777     .000000     .000000     .000000  155.828754
1.00000   65.348897    3.479777     .000000     .000000     .000000    8.92E-13

ELEM     108 ================== LENGTH =   72.000000
```

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	22.997846	.000000	.000000	.000000	.000000	.000000
0.25000	22.997846	.000000	.000000	.000000	.000000	.000000
0.50000	22.997846	.000000	.000000	.000000	.000000	.000000
0.75000	22.997846	.000000	.000000	.000000	.000000	.000000
1.00000	22.997846	.000000	.000000	.000000	.000000	.000000

ELEM 109 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	75.746758	.000000	.000000	.000000	.000000	.000000
0.25000	75.746758	.000000	.000000	.000000	.000000	.000000
0.50000	75.746758	.000000	.000000	.000000	.000000	.000000
0.75000	75.746758	.000000	.000000	.000000	.000000	.000000
1.00000	75.746758	.000000	.000000	.000000	.000000	.000000

ELEM 110 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	602.535869	.000000	.000000	.000000	.000000	.000000
0.25000	602.535869	.000000	.000000	.000000	.000000	.000000
0.50000	602.535869	.000000	.000000	.000000	.000000	.000000
0.75000	602.535869	.000000	.000000	.000000	.000000	.000000
1.00000	602.535869	.000000	.000000	.000000	.000000	.000000

ELEM 111 ========== LENGTH = 120.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	3390.570	.000000	.000000	.000000	.000000	.000000
0.50000	3390.570	.000000	.000000	.000000	.000000	.000000
1.00000	3390.570	.000000	.000000	.000000	.000000	.000000

ELEM 112 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	658.542175	.000000	.000000	.000000	.000000	.000000
0.25000	658.542175	.000000	.000000	.000000	.000000	.000000
0.50000	658.542175	.000000	.000000	.000000	.000000	.000000
0.75000	658.542175	.000000	.000000	.000000	.000000	.000000
1.00000	658.542175	.000000	.000000	.000000	.000000	.000000

ELEM 113 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	241.203940	.000000	.000000	.000000	.000000	.000000
0.25000	241.203940	.000000	.000000	.000000	.000000	.000000
0.50000	241.203940	.000000	.000000	.000000	.000000	.000000
0.75000	241.203940	.000000	.000000	.000000	.000000	.000000
1.00000	241.203940	.000000	.000000	.000000	.000000	.000000

ELEM 114 ========== LENGTH = 72.000000

```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  247.469940     .000000     .000000     .000000     .000000     .000000
0.25000  247.469940     .000000     .000000     .000000     .000000     .000000
0.50000  247.469940     .000000     .000000     .000000     .000000     .000000
0.75000  247.469940     .000000     .000000     .000000     .000000     .000000
1.00000  247.469940     .000000     .000000     .000000     .000000     .000000

ELEM     115 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2011.525     .000000     .000000     .000000     .000000     .000000
0.50000    2011.525     .000000     .000000     .000000     .000000     .000000
1.00000    2011.525     .000000     .000000     .000000     .000000     .000000

ELEM     116 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  108.292837     .000000     .000000     .000000     .000000     .000000
0.25000  108.292837     .000000     .000000     .000000     .000000     .000000
0.50000  108.292837     .000000     .000000     .000000     .000000     .000000
0.75000  108.292837     .000000     .000000     .000000     .000000     .000000
1.00000  108.292837     .000000     .000000     .000000     .000000     .000000

ELEM     117 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  666.209710     .000000     .000000     .000000     .000000     .000000
0.25000  666.209710     .000000     .000000     .000000     .000000     .000000
0.50000  666.209710     .000000     .000000     .000000     .000000     .000000
0.75000  666.209710     .000000     .000000     .000000     .000000     .000000
1.00000  666.209710     .000000     .000000     .000000     .000000     .000000

ELEM     118 ================== LENGTH =   60.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  173.483066    1.298400     .000000     .000000     .000000    1.56E-14
0.50000  173.483066    1.298400     .000000     .000000     .000000   39.276602
1.00000  173.483066    1.298400     .000000     .000000     .000000   78.553203

ELEM     119 ================== LENGTH =   62.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  173.369639    4.802098     .000000     .000000     .000000   78.553203
0.50000  173.369639    4.802098     .000000     .000000     .000000   81.585582
1.00000  173.369639    4.802098     .000000     .000000     .000000  226.855472

ELEM     120 ================== LENGTH =   39.750000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000  173.159720   15.056828     .000000     .000000     .000000  226.855472
0.50000  173.159720   15.056828     .000000     .000000     .000000   92.351395
1.00000  173.159720   15.056828     .000000     .000000     .000000  380.395351

ELEM     121 ================== LENGTH =   56.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  170.960528   13.970200     .000000     .000000     .000000  380.395351
0.50000  170.960528   13.970200     .000000     .000000     .000000  106.132004
1.00000  170.960528   13.970200     .000000     .000000     .000000  438.292513

ELEM     122 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  636.592746   37.058901     .000000     .000000     .000000  438.292513
0.50000  636.592746   37.058901     .000000     .000000     .000000  118.707613
1.00000  636.592746   37.058901     .000000     .000000     .000000  481.259775

ELEM     123 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  636.132790   13.645941     .000000     .000000     .000000  481.259775
0.50000  636.132790   13.645941     .000000     .000000     .000000   90.953469
1.00000  636.132790   13.645941     .000000     .000000     .000000  517.295673

ELEM     124 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  636.009280   42.394260     .000000     .000000     .000000  517.295673
0.50000  636.009280   42.394260     .000000     .000000     .000000   91.640628
1.00000  636.009280   42.394260     .000000     .000000     .000000  516.542265

ELEM     125 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  634.320542   12.292898     .000000     .000000     .000000  516.542265
0.50000  634.320542   12.292898     .000000     .000000     .000000  208.426353
1.00000  634.320542   12.292898     .000000     .000000     .000000  460.171858

ELEM     126 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  634.081165   28.505876     .000000     .000000     .000000  460.171858
0.50000  634.081165   28.505876     .000000     .000000     .000000  152.380816
1.00000  634.081165   28.505876     .000000     .000000     .000000  262.118610

ELEM     127 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	632.437737	2.471621	.000000	.000000	.000000	262.118610
0.50000	632.437737	2.471621	.000000	.000000	.000000	310.205395
1.00000	632.437737	2.471621	.000000	.000000	.000000	373.607959

ELEM 128 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	632.082426	12.102308	.000000	.000000	.000000	373.607959
0.50000	632.082426	12.102308	.000000	.000000	.000000	229.032855
1.00000	632.082426	12.102308	.000000	.000000	.000000	86.668093

ELEM 129 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	631.568079	18.859146	.000000	.000000	.000000	86.668093
0.50000	631.568079	18.859146	.000000	.000000	.000000	143.404239
1.00000	631.568079	18.859146	.000000	.000000	.000000	368.850110

ELEM 130 ========== LENGTH = 9.437500

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	16.898203	5.694226	.000000	.000000	.000000	368.850110
0.50000	16.898203	5.694226	.000000	.000000	.000000	342.131221
1.00000	16.898203	5.694226	.000000	.000000	.000000	315.437942

ELEM 131 ========== LENGTH = 89.562500

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	16.557391	3.521987	.000000	.000000	.000000	315.437942
0.50000	16.557391	3.521987	.000000	.000000	.000000	157.718971
1.00000	16.557391	3.521987	.000000	.000000	.000000	3.99E-13

ELEM 132 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	29.701687	.000000	.000000	.000000	.000000	.000000
0.25000	29.701687	.000000	.000000	.000000	.000000	.000000
0.50000	29.701687	.000000	.000000	.000000	.000000	.000000
0.75000	29.701687	.000000	.000000	.000000	.000000	.000000
1.00000	29.701687	.000000	.000000	.000000	.000000	.000000

ELEM 133 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	96.278966	.000000	.000000	.000000	.000000	.000000
0.25000	96.278966	.000000	.000000	.000000	.000000	.000000
0.50000	96.278966	.000000	.000000	.000000	.000000	.000000
0.75000	96.278966	.000000	.000000	.000000	.000000	.000000
1.00000	96.278966	.000000	.000000	.000000	.000000	.000000

```
ELEM     134 ================== LENGTH =  120.400374

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2716.016     .000000     .000000     .000000     .000000     .000000
0.50000    2716.016     .000000     .000000     .000000     .000000     .000000
1.00000    2716.016     .000000     .000000     .000000     .000000     .000000

ELEM     135 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  246.915149     .000000     .000000     .000000     .000000     .000000
0.25000  246.915149     .000000     .000000     .000000     .000000     .000000
0.50000  246.915149     .000000     .000000     .000000     .000000     .000000
0.75000  246.915149     .000000     .000000     .000000     .000000     .000000
1.00000  246.915149     .000000     .000000     .000000     .000000     .000000

ELEM     136 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  629.741601     .000000     .000000     .000000     .000000     .000000
0.25000  629.741601     .000000     .000000     .000000     .000000     .000000
0.50000  629.741601     .000000     .000000     .000000     .000000     .000000
0.75000  629.741601     .000000     .000000     .000000     .000000     .000000
1.00000  629.741601     .000000     .000000     .000000     .000000     .000000

ELEM     137 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  199.918538     .000000     .000000     .000000     .000000     .000000
0.25000  199.918538     .000000     .000000     .000000     .000000     .000000
0.50000  199.918538     .000000     .000000     .000000     .000000     .000000
0.75000  199.918538     .000000     .000000     .000000     .000000     .000000
1.00000  199.918538     .000000     .000000     .000000     .000000     .000000

ELEM     138 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  255.218926     .000000     .000000     .000000     .000000     .000000
0.25000  255.218926     .000000     .000000     .000000     .000000     .000000
0.50000  255.218926     .000000     .000000     .000000     .000000     .000000
0.75000  255.218926     .000000     .000000     .000000     .000000     .000000
1.00000  255.218926     .000000     .000000     .000000     .000000     .000000

ELEM     139 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  118.958227     .000000     .000000     .000000     .000000     .000000
0.25000  118.958227     .000000     .000000     .000000     .000000     .000000
0.50000  118.958227     .000000     .000000     .000000     .000000     .000000
0.75000  118.958227     .000000     .000000     .000000     .000000     .000000
1.00000  118.958227     .000000     .000000     .000000     .000000     .000000
```

ELEM 140 ========== LENGTH = 106.150836

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	2360.078	.000000	.000000	.000000	.000000	.000000
0.50000	2360.078	.000000	.000000	.000000	.000000	.000000
1.00000	2360.078	.000000	.000000	.000000	.000000	.000000

ELEM 141 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	773.665338	.000000	.000000	.000000	.000000	.000000
0.25000	773.665338	.000000	.000000	.000000	.000000	.000000
0.50000	773.665338	.000000	.000000	.000000	.000000	.000000
0.75000	773.665338	.000000	.000000	.000000	.000000	.000000
1.00000	773.665338	.000000	.000000	.000000	.000000	.000000

ELEM 142 ========== LENGTH = 60.500000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	830.104636	1.415254	.000000	.000000	.000000	1.66E-13
0.50000	830.104636	1.415254	.000000	.000000	.000000	42.811442
1.00000	830.104636	1.415254	.000000	.000000	.000000	85.622884

ELEM 143 ========== LENGTH = 62.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	830.008254	5.228637	.000000	.000000	.000000	85.622884
0.50000	830.008254	5.228637	.000000	.000000	.000000	86.918572
1.00000	830.008254	5.228637	.000000	.000000	.000000	245.607950

ELEM 144 ========== LENGTH = 39.750000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	92.249344	15.735527	.000000	.000000	.000000	245.607950
0.50000	92.249344	15.735527	.000000	.000000	.000000	87.963229
1.00000	92.249344	15.735527	.000000	.000000	.000000	388.289712

ELEM 145 ========== LENGTH = 56.750000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	93.056577	14.039895	.000000	.000000	.000000	388.289712
0.50000	93.056577	14.039895	.000000	.000000	.000000	121.732632
1.00000	93.056577	14.039895	.000000	.000000	.000000	443.040878

ELEM 146 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	93.131777	38.602183	.000000	.000000	.000000	443.040878

```
0.50000   93.131777   38.602183     .000000     .000000     .000000  121.676415
1.00000   93.131777   38.602183     .000000     .000000     .000000  512.330074

ELEM     147 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   94.194311   14.209489     .000000     .000000     .000000  512.330074
0.50000   94.194311   14.209489     .000000     .000000     .000000   70.668115
1.00000   94.194311   14.209489     .000000     .000000     .000000  520.437810

ELEM     148 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   94.260421   41.822783     .000000     .000000     .000000  520.437810
0.50000   94.260421   41.822783     .000000     .000000     .000000   69.889756
1.00000   94.260421   41.822783     .000000     .000000     .000000  492.612876

ELEM     149 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   95.012537   12.336576     .000000     .000000     .000000  492.612876
0.50000   95.012537   12.336576     .000000     .000000     .000000  206.422618
1.00000   95.012537   12.336576     .000000     .000000     .000000  486.859856

ELEM     150 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   95.070458   29.743512     .000000     .000000     .000000  486.859856
0.50000   95.070458   29.743512     .000000     .000000     .000000  156.454023
1.00000   95.070458   29.743512     .000000     .000000     .000000  258.282867

ELEM     151 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   95.421444    3.312331     .000000     .000000     .000000  258.282867
0.50000   95.421444    3.312331     .000000     .000000     .000000  339.692835
1.00000   95.421444    3.312331     .000000     .000000     .000000  438.760334

ELEM     152 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   95.466516   19.056444     .000000     .000000     .000000  438.760334
0.50000   95.466516   19.056444     .000000     .000000     .000000  211.155233
1.00000   95.466516   19.056444     .000000     .000000     .000000   35.342313

ELEM     153 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   95.521292   25.725317     .000000     .000000     .000000   35.342313
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```
0.50000   95.521292   25.725317     .000000     .000000     .000000  327.815361
1.00000   95.521292   25.725317     .000000     .000000     .000000  635.824523

ELEM     154 ================== LENGTH =    9.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   95.547501   16.177727     .000000     .000000     .000000  635.824523
0.50000   95.547501   16.177727     .000000     .000000     .000000  559.512407
1.00000   95.547501   16.177727     .000000     .000000     .000000  483.208674

ELEM     155 ================== LENGTH =   68.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   95.559987   14.477026     .000000     .000000     .000000  483.208674
0.50000   95.559987   14.477026     .000000     .000000     .000000   14.761342
1.00000   95.559987   14.477026     .000000     .000000     .000000  509.464226

ELEM     156 ================== LENGTH =   21.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   31.556405   24.260201     .000000     .000000     .000000  509.464226
0.50000   31.556405   24.260201     .000000     .000000     .000000  254.732113
1.00000   31.556405   24.260201     .000000     .000000     .000000    8.84E-13

ELEM     157 ================== LENGTH =   94.043873

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2101.031     .000000     .000000     .000000     .000000     .000000
0.50000    2101.031     .000000     .000000     .000000     .000000     .000000
1.00000    2101.031     .000000     .000000     .000000     .000000     .000000

ELEM     158 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   36.829114     .000000     .000000     .000000     .000000     .000000
0.25000   36.829114     .000000     .000000     .000000     .000000     .000000
0.50000   36.829114     .000000     .000000     .000000     .000000     .000000
0.75000   36.829114     .000000     .000000     .000000     .000000     .000000
1.00000   36.829114     .000000     .000000     .000000     .000000     .000000

ELEM     159 ================== LENGTH =   95.015788

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1969.629     .000000     .000000     .000000     .000000     .000000
0.50000    1969.629     .000000     .000000     .000000     .000000     .000000
1.00000    1969.629     .000000     .000000     .000000     .000000     .000000

ELEM     160 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------
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REL DIST          P          V2          V3           T          M2          M3
0.00000  222.389994     .000000     .000000     .000000     .000000     .000000
0.25000  222.389994     .000000     .000000     .000000     .000000     .000000
0.50000  222.389994     .000000     .000000     .000000     .000000     .000000
0.75000  222.389994     .000000     .000000     .000000     .000000     .000000
1.00000  222.389994     .000000     .000000     .000000     .000000     .000000

ELEM     161 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  197.866238     .000000     .000000     .000000     .000000     .000000
0.25000  197.866238     .000000     .000000     .000000     .000000     .000000
0.50000  197.866238     .000000     .000000     .000000     .000000     .000000
0.75000  197.866238     .000000     .000000     .000000     .000000     .000000
1.00000  197.866238     .000000     .000000     .000000     .000000     .000000

ELEM     162 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  605.101560     .000000     .000000     .000000     .000000     .000000
0.25000  605.101560     .000000     .000000     .000000     .000000     .000000
0.50000  605.101560     .000000     .000000     .000000     .000000     .000000
0.75000  605.101560     .000000     .000000     .000000     .000000     .000000
1.00000  605.101560     .000000     .000000     .000000     .000000     .000000

ELEM     163 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  157.483518     .000000     .000000     .000000     .000000     .000000
0.25000  157.483518     .000000     .000000     .000000     .000000     .000000
0.50000  157.483518     .000000     .000000     .000000     .000000     .000000
0.75000  157.483518     .000000     .000000     .000000     .000000     .000000
1.00000  157.483518     .000000     .000000     .000000     .000000     .000000

ELEM     164 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  270.089757     .000000     .000000     .000000     .000000     .000000
0.25000  270.089757     .000000     .000000     .000000     .000000     .000000
0.50000  270.089757     .000000     .000000     .000000     .000000     .000000
0.75000  270.089757     .000000     .000000     .000000     .000000     .000000
1.00000  270.089757     .000000     .000000     .000000     .000000     .000000

ELEM     165 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  140.201255     .000000     .000000     .000000     .000000     .000000
0.25000  140.201255     .000000     .000000     .000000     .000000     .000000
0.50000  140.201255     .000000     .000000     .000000     .000000     .000000
0.75000  140.201255     .000000     .000000     .000000     .000000     .000000
1.00000  140.201255     .000000     .000000     .000000     .000000     .000000

ELEM     166 ================== LENGTH =  106.150836
```

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SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2491.231     .000000     .000000     .000000     .000000     .000000
0.50000    2491.231     .000000     .000000     .000000     .000000     .000000
1.00000    2491.231     .000000     .000000     .000000     .000000     .000000

ELEM     167 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2098.096     .000000     .000000     .000000     .000000     .000000
0.25000    2098.096     .000000     .000000     .000000     .000000     .000000
0.50000    2098.096     .000000     .000000     .000000     .000000     .000000
0.75000    2098.096     .000000     .000000     .000000     .000000     .000000
1.00000    2098.096     .000000     .000000     .000000     .000000     .000000

ELEM     168 ================== LENGTH =   60.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  236.763303    1.593090     .000000     .000000     .000000    1.15E-13
0.50000  236.763303    1.593090     .000000     .000000     .000000   48.190970
1.00000  236.763303    1.593090     .000000     .000000     .000000   96.381941

ELEM     169 ================== LENGTH =   62.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  669.955900    5.610312     .000000     .000000     .000000   96.381941
0.50000  669.955900    5.610312     .000000     .000000     .000000   90.473623
1.00000  669.955900    5.610312     .000000     .000000     .000000  259.956878

ELEM     170 ================== LENGTH =   39.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  668.277983   16.367555     .000000     .000000     .000000  259.956878
0.50000  668.277983   16.367555     .000000     .000000     .000000   94.141381
1.00000  668.277983   16.367555     .000000     .000000     .000000  402.236892

ELEM     171 ================== LENGTH =   56.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  666.685573   14.526741     .000000     .000000     .000000  402.236892
0.50000  666.685573   14.526741     .000000     .000000     .000000  121.559008
1.00000  666.685573   14.526741     .000000     .000000     .000000  455.598745

ELEM     172 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  660.754451   39.554655     .000000     .000000     .000000  455.598745
0.50000  660.754451   39.554655     .000000     .000000     .000000  119.960132
1.00000  660.754451   39.554655     .000000     .000000     .000000  521.351152
```

```
ELEM     173 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  656.582427   14.271412     .000000     .000000     .000000  521.351152
0.50000  656.582427   14.271412     .000000     .000000     .000000   60.621839
1.00000  656.582427   14.271412     .000000     .000000     .000000  513.287366

ELEM     174 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  646.817187   40.927643     .000000     .000000     .000000  513.287366
0.50000  646.817187   40.927643     .000000     .000000     .000000   57.674649
1.00000  646.817187   40.927643     .000000     .000000     .000000  474.983733

ELEM     175 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  641.940905   12.322161     .000000     .000000     .000000  474.983733
0.50000  641.940905   12.322161     .000000     .000000     .000000  196.300478
1.00000  641.940905   12.322161     .000000     .000000     .000000  494.991122

ELEM     176 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  629.461011   29.801024     .000000     .000000     .000000  494.991122
0.50000  629.461011   29.801024     .000000     .000000     .000000  158.665769
1.00000  629.461011   29.801024     .000000     .000000     .000000  247.197380

ELEM     177 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  626.105446    3.321642     .000000     .000000     .000000  247.197380
0.50000  626.105446    3.321642     .000000     .000000     .000000  324.836606
1.00000  626.105446    3.321642     .000000     .000000     .000000  422.527415

ELEM     178 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  614.788261   14.279787     .000000     .000000     .000000  422.527415
0.50000  614.788261   14.279787     .000000     .000000     .000000  251.883936
1.00000  614.788261   14.279787     .000000     .000000     .000000   84.192410

ELEM     179 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  613.923801   21.011531     .000000     .000000     .000000   84.192410
0.50000  613.923801   21.011531     .000000     .000000     .000000  172.734817
1.00000  613.923801   21.011531     .000000     .000000     .000000  423.950217
```

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ELEM     180 ================== LENGTH =    9.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   94.247914    6.226463     .000000     .000000     .000000  423.950217
0.50000   94.247914    6.226463     .000000     .000000     .000000  394.739480
1.00000   94.247914    6.226463     .000000     .000000     .000000  365.556053

ELEM     181 ================== LENGTH =   89.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   93.777540    4.081575     .000000     .000000     .000000  365.556053
0.50000   93.777540    4.081575     .000000     .000000     .000000  182.778026
1.00000   93.777540    4.081575     .000000     .000000     .000000    1.22E-12

ELEM     182 ================== LENGTH =   94.043873

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2259.108     .000000     .000000     .000000     .000000     .000000
0.50000    2259.108     .000000     .000000     .000000     .000000     .000000
1.00000    2259.108     .000000     .000000     .000000     .000000     .000000

ELEM     183 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   30.760246     .000000     .000000     .000000     .000000     .000000
0.25000   30.760246     .000000     .000000     .000000     .000000     .000000
0.50000   30.760246     .000000     .000000     .000000     .000000     .000000
0.75000   30.760246     .000000     .000000     .000000     .000000     .000000
1.00000   30.760246     .000000     .000000     .000000     .000000     .000000

ELEM     184 ================== LENGTH =   95.015788

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2438.429     .000000     .000000     .000000     .000000     .000000
0.50000    2438.429     .000000     .000000     .000000     .000000     .000000
1.00000    2438.429     .000000     .000000     .000000     .000000     .000000

ELEM     185 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  233.196696     .000000     .000000     .000000     .000000     .000000
0.25000  233.196696     .000000     .000000     .000000     .000000     .000000
0.50000  233.196696     .000000     .000000     .000000     .000000     .000000
0.75000  233.196696     .000000     .000000     .000000     .000000     .000000
1.00000  233.196696     .000000     .000000     .000000     .000000     .000000

ELEM     186 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000  102.418205     .000000     .000000     .000000     .000000     .000000
0.25000  102.418205     .000000     .000000     .000000     .000000     .000000
0.50000  102.418205     .000000     .000000     .000000     .000000     .000000
0.75000  102.418205     .000000     .000000     .000000     .000000     .000000
1.00000  102.418205     .000000     .000000     .000000     .000000     .000000

ELEM     187 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  550.373899     .000000     .000000     .000000     .000000     .000000
0.25000  550.373899     .000000     .000000     .000000     .000000     .000000
0.50000  550.373899     .000000     .000000     .000000     .000000     .000000
0.75000  550.373899     .000000     .000000     .000000     .000000     .000000
1.00000  550.373899     .000000     .000000     .000000     .000000     .000000

ELEM     188 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   53.434389     .000000     .000000     .000000     .000000     .000000
0.25000   53.434389     .000000     .000000     .000000     .000000     .000000
0.50000   53.434389     .000000     .000000     .000000     .000000     .000000
0.75000   53.434389     .000000     .000000     .000000     .000000     .000000
1.00000   53.434389     .000000     .000000     .000000     .000000     .000000

ELEM     189 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  195.446720     .000000     .000000     .000000     .000000     .000000
0.25000  195.446720     .000000     .000000     .000000     .000000     .000000
0.50000  195.446720     .000000     .000000     .000000     .000000     .000000
0.75000  195.446720     .000000     .000000     .000000     .000000     .000000
1.00000  195.446720     .000000     .000000     .000000     .000000     .000000

ELEM     190 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2312.133     .000000     .000000     .000000     .000000     .000000
0.50000    2312.133     .000000     .000000     .000000     .000000     .000000
1.00000    2312.133     .000000     .000000     .000000     .000000     .000000

ELEM     191 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   50.248069     .000000     .000000     .000000     .000000     .000000
0.25000   50.248069     .000000     .000000     .000000     .000000     .000000
0.50000   50.248069     .000000     .000000     .000000     .000000     .000000
0.75000   50.248069     .000000     .000000     .000000     .000000     .000000
1.00000   50.248069     .000000     .000000     .000000     .000000     .000000

ELEM     192 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	1592.788	.000000	.000000	.000000	.000000	.000000
0.25000	1592.788	.000000	.000000	.000000	.000000	.000000
0.50000	1592.788	.000000	.000000	.000000	.000000	.000000
0.75000	1592.788	.000000	.000000	.000000	.000000	.000000
1.00000	1592.788	.000000	.000000	.000000	.000000	.000000

ELEM 193 ========== LENGTH = 60.500000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1550.444	1.745268	.000000	.000000	.000000	1.66E-13
0.50000	1550.444	1.745268	.000000	.000000	.000000	52.794359
1.00000	1550.444	1.745268	.000000	.000000	.000000	105.588718

ELEM 194 ========== LENGTH = 62.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1550.270	5.788928	.000000	.000000	.000000	105.588718
0.50000	1550.270	5.788928	.000000	.000000	.000000	90.536373
1.00000	1550.270	5.788928	.000000	.000000	.000000	263.920719

ELEM 195 ========== LENGTH = 39.750000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	984.938124	16.346368	.000000	.000000	.000000	263.920719
0.50000	984.938124	16.346368	.000000	.000000	.000000	99.726055
1.00000	984.938124	16.346368	.000000	.000000	.000000	401.666194

ELEM 196 ========== LENGTH = 56.750000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	981.673140	14.555083	.000000	.000000	.000000	401.666194
0.50000	981.673140	14.555083	.000000	.000000	.000000	118.148594
1.00000	981.673140	14.555083	.000000	.000000	.000000	455.764453

ELEM 197 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	981.196356	39.514148	.000000	.000000	.000000	455.764453
0.50000	981.196356	39.514148	.000000	.000000	.000000	113.357891
1.00000	981.196356	39.514148	.000000	.000000	.000000	517.351662

ELEM 198 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	973.724744	13.964144	.000000	.000000	.000000	517.351662
0.50000	973.724744	13.964144	.000000	.000000	.000000	52.303968
1.00000	973.724744	13.964144	.000000	.000000	.000000	493.205537

ELEM 199 ========== LENGTH = 24.000000

```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  973.025977   39.122726     .000000     .000000     .000000  493.205537
0.50000  973.025977   39.122726     .000000     .000000     .000000   47.326992
1.00000  973.025977   39.122726     .000000     .000000     .000000  449.485538

ELEM     200 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  964.735064   12.312776     .000000     .000000     .000000  449.485538
0.50000  964.735064   12.312776     .000000     .000000     .000000  188.768375
1.00000  964.735064   12.312776     .000000     .000000     .000000  512.043440

ELEM     201 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  963.854678   30.267457     .000000     .000000     .000000  512.043440
0.50000  963.854678   30.267457     .000000     .000000     .000000  165.189014
1.00000  963.854678   30.267457     .000000     .000000     .000000  237.125697

ELEM     202 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  958.177222    3.772528     .000000     .000000     .000000  237.125697
0.50000  958.177222    3.772528     .000000     .000000     .000000  329.166700
1.00000  958.177222    3.772528     .000000     .000000     .000000  444.254531

ELEM     203 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  114.968206   15.455520     .000000     .000000     .000000  444.254531
0.50000  114.968206   15.455520     .000000     .000000     .000000  259.534291
1.00000  114.968206   15.455520     .000000     .000000     .000000   78.418513

ELEM     204 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  113.227818   22.190024     .000000     .000000     .000000   78.418513
0.50000  113.227818   22.190024     .000000     .000000     .000000  193.511442
1.00000  113.227818   22.190024     .000000     .000000     .000000  458.861930

ELEM     205 ================== LENGTH =    9.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  112.283218    6.578051     .000000     .000000     .000000  458.861930
0.50000  112.283218    6.578051     .000000     .000000     .000000  427.988180
1.00000  112.283218    6.578051     .000000     .000000     .000000  397.140377

ELEM     206 ================== LENGTH =   89.562500
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```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  111.683455    4.434226     .000000     .000000     .000000  397.140377
0.50000  111.683455    4.434226     .000000     .000000     .000000  198.570188
1.00000  111.683455    4.434226     .000000     .000000     .000000    1.73E-12

ELEM     207 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   31.488534     .000000     .000000     .000000     .000000     .000000
0.25000   31.488534     .000000     .000000     .000000     .000000     .000000
0.50000   31.488534     .000000     .000000     .000000     .000000     .000000
0.75000   31.488534     .000000     .000000     .000000     .000000     .000000
1.00000   31.488534     .000000     .000000     .000000     .000000     .000000

ELEM     208 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   68.120515     .000000     .000000     .000000     .000000     .000000
0.25000   68.120515     .000000     .000000     .000000     .000000     .000000
0.50000   68.120515     .000000     .000000     .000000     .000000     .000000
0.75000   68.120515     .000000     .000000     .000000     .000000     .000000
1.00000   68.120515     .000000     .000000     .000000     .000000     .000000

ELEM     209 ================== LENGTH =  120.400374

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2738.299     .000000     .000000     .000000     .000000     .000000
0.50000    2738.299     .000000     .000000     .000000     .000000     .000000
1.00000    2738.299     .000000     .000000     .000000     .000000     .000000

ELEM     210 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   73.310141     .000000     .000000     .000000     .000000     .000000
0.25000   73.310141     .000000     .000000     .000000     .000000     .000000
0.50000   73.310141     .000000     .000000     .000000     .000000     .000000
0.75000   73.310141     .000000     .000000     .000000     .000000     .000000
1.00000   73.310141     .000000     .000000     .000000     .000000     .000000

ELEM     211 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  540.740170     .000000     .000000     .000000     .000000     .000000
0.25000  540.740170     .000000     .000000     .000000     .000000     .000000
0.50000  540.740170     .000000     .000000     .000000     .000000     .000000
0.75000  540.740170     .000000     .000000     .000000     .000000     .000000
1.00000  540.740170     .000000     .000000     .000000     .000000     .000000

ELEM     212 ================== LENGTH =   72.000000
```

```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   57.420441     .000000     .000000     .000000     .000000     .000000
0.25000   57.420441     .000000     .000000     .000000     .000000     .000000
0.50000   57.420441     .000000     .000000     .000000     .000000     .000000
0.75000   57.420441     .000000     .000000     .000000     .000000     .000000
1.00000   57.420441     .000000     .000000     .000000     .000000     .000000

ELEM     213 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2687.008     .000000     .000000     .000000     .000000     .000000
0.50000    2687.008     .000000     .000000     .000000     .000000     .000000
1.00000    2687.008     .000000     .000000     .000000     .000000     .000000

ELEM     214 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  154.687896     .000000     .000000     .000000     .000000     .000000
0.25000  154.687896     .000000     .000000     .000000     .000000     .000000
0.50000  154.687896     .000000     .000000     .000000     .000000     .000000
0.75000  154.687896     .000000     .000000     .000000     .000000     .000000
1.00000  154.687896     .000000     .000000     .000000     .000000     .000000

ELEM     215 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   39.835061     .000000     .000000     .000000     .000000     .000000
0.25000   39.835061     .000000     .000000     .000000     .000000     .000000
0.50000   39.835061     .000000     .000000     .000000     .000000     .000000
0.75000   39.835061     .000000     .000000     .000000     .000000     .000000
1.00000   39.835061     .000000     .000000     .000000     .000000     .000000

ELEM     216 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1093.432     .000000     .000000     .000000     .000000     .000000
0.25000    1093.432     .000000     .000000     .000000     .000000     .000000
0.50000    1093.432     .000000     .000000     .000000     .000000     .000000
0.75000    1093.432     .000000     .000000     .000000     .000000     .000000
1.00000    1093.432     .000000     .000000     .000000     .000000     .000000

ELEM     217 ================== LENGTH =   60.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  218.864042    1.762771     .000000     .000000     .000000    5.97E-14
0.50000  218.864042    1.762771     .000000     .000000     .000000   53.323829
1.00000  218.864042    1.762771     .000000     .000000     .000000  106.647659

ELEM     218 ================== LENGTH =   62.000000

SPEC   HORIZ ------------------
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```
REL DIST          P          V2          V3           T          M2          M3
0.00000  218.731381    5.744427     .000000     .000000     .000000  106.647659
0.50000  218.731381    5.744427     .000000     .000000     .000000   90.374307
1.00000  218.731381    5.744427     .000000     .000000     .000000  261.503948

ELEM     219 ================== LENGTH =   39.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  218.485742   16.384617     .000000     .000000     .000000  261.503948
0.50000  218.485742   16.384617     .000000     .000000     .000000  103.806156
1.00000  218.485742   16.384617     .000000     .000000     .000000  406.516283

ELEM     220 ================== LENGTH =   56.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  215.918536   14.760768     .000000     .000000     .000000  406.516283
0.50000  215.918536   14.760768     .000000     .000000     .000000  108.486613
1.00000  215.918536   14.760768     .000000     .000000     .000000  457.309228

ELEM     221 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  201.756994   38.860337     .000000     .000000     .000000  457.309228
0.50000  201.756994   38.860337     .000000     .000000     .000000  103.294632
1.00000  201.756994   38.860337     .000000     .000000     .000000  497.115741

ELEM     222 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  202.046639   13.361986     .000000     .000000     .000000  497.115741
0.50000  202.046639   13.361986     .000000     .000000     .000000   48.539287
1.00000  202.046639   13.361986     .000000     .000000     .000000  469.436549

ELEM     223 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  202.019940   37.492918     .000000     .000000     .000000  469.436549
0.50000  202.019940   37.492918     .000000     .000000     .000000   40.896128
1.00000  202.019940   37.492918     .000000     .000000     .000000  433.383617

ELEM     224 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  201.590073   12.328752     .000000     .000000     .000000  433.383617
0.50000  201.590073   12.328752     .000000     .000000     .000000  180.429996
1.00000  201.590073   12.328752     .000000     .000000     .000000  520.833736

ELEM     225 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------
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```
REL DIST          P          V2          V3           T          M2          M3
0.00000   18.157693   30.385445     .000000     .000000     .000000  520.833736
0.50000   18.157693   30.385445     .000000     .000000     .000000  169.913659
1.00000   18.157693   30.385445     .000000     .000000     .000000  228.859794

ELEM     226 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   15.036883    3.921987     .000000     .000000     .000000  228.859794
0.50000   15.036883    3.921987     .000000     .000000     .000000  323.816709
1.00000   15.036883    3.921987     .000000     .000000     .000000  444.080854

ELEM     227 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   14.465323   15.742657     .000000     .000000     .000000  444.080854
0.50000   14.465323   15.742657     .000000     .000000     .000000  255.995607
1.00000   14.465323   15.742657     .000000     .000000     .000000   72.353948

ELEM     228 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   13.671700   22.446925     .000000     .000000     .000000   72.353948
0.50000   13.671700   22.446925     .000000     .000000     .000000  203.723734
1.00000   13.671700   22.446925     .000000     .000000     .000000  472.106543

ELEM     229 ================== LENGTH =    9.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   13.232592    6.712665     .000000     .000000     .000000  472.106543
0.50000   13.232592    6.712665     .000000     .000000     .000000  440.596860
1.00000   13.232592    6.712665     .000000     .000000     .000000  409.112771

ELEM     230 ================== LENGTH =   89.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   12.951974    4.567903     .000000     .000000     .000000  409.112771
0.50000   12.951974    4.567903     .000000     .000000     .000000  204.556385
1.00000   12.951974    4.567903     .000000     .000000     .000000    3.38E-13

ELEM     231 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   34.363441     .000000     .000000     .000000     .000000     .000000
0.25000   34.363441     .000000     .000000     .000000     .000000     .000000
0.50000   34.363441     .000000     .000000     .000000     .000000     .000000
0.75000   34.363441     .000000     .000000     .000000     .000000     .000000
1.00000   34.363441     .000000     .000000     .000000     .000000     .000000

ELEM     232 ================== LENGTH =   72.000000
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```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   56.130179     .000000     .000000     .000000     .000000     .000000
0.25000   56.130179     .000000     .000000     .000000     .000000     .000000
0.50000   56.130179     .000000     .000000     .000000     .000000     .000000
0.75000   56.130179     .000000     .000000     .000000     .000000     .000000
1.00000   56.130179     .000000     .000000     .000000     .000000     .000000

ELEM     233 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  152.001961     .000000     .000000     .000000     .000000     .000000
0.25000  152.001961     .000000     .000000     .000000     .000000     .000000
0.50000  152.001961     .000000     .000000     .000000     .000000     .000000
0.75000  152.001961     .000000     .000000     .000000     .000000     .000000
1.00000  152.001961     .000000     .000000     .000000     .000000     .000000

ELEM     234 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2612.819     .000000     .000000     .000000     .000000     .000000
0.50000    2612.819     .000000     .000000     .000000     .000000     .000000
1.00000    2612.819     .000000     .000000     .000000     .000000     .000000

ELEM     235 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  535.336262     .000000     .000000     .000000     .000000     .000000
0.25000  535.336262     .000000     .000000     .000000     .000000     .000000
0.50000  535.336262     .000000     .000000     .000000     .000000     .000000
0.75000  535.336262     .000000     .000000     .000000     .000000     .000000
1.00000  535.336262     .000000     .000000     .000000     .000000     .000000

ELEM     236 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2881.718     .000000     .000000     .000000     .000000     .000000
0.50000    2881.718     .000000     .000000     .000000     .000000     .000000
1.00000    2881.718     .000000     .000000     .000000     .000000     .000000

ELEM     237 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   76.463496     .000000     .000000     .000000     .000000     .000000
0.25000   76.463496     .000000     .000000     .000000     .000000     .000000
0.50000   76.463496     .000000     .000000     .000000     .000000     .000000
0.75000   76.463496     .000000     .000000     .000000     .000000     .000000
1.00000   76.463496     .000000     .000000     .000000     .000000     .000000

ELEM     238 ================== LENGTH =   72.000000
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```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  141.648029     .000000     .000000     .000000     .000000     .000000
0.25000  141.648029     .000000     .000000     .000000     .000000     .000000
0.50000  141.648029     .000000     .000000     .000000     .000000     .000000
0.75000  141.648029     .000000     .000000     .000000     .000000     .000000
1.00000  141.648029     .000000     .000000     .000000     .000000     .000000

ELEM     239 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   52.386091     .000000     .000000     .000000     .000000     .000000
0.25000   52.386091     .000000     .000000     .000000     .000000     .000000
0.50000   52.386091     .000000     .000000     .000000     .000000     .000000
0.75000   52.386091     .000000     .000000     .000000     .000000     .000000
1.00000   52.386091     .000000     .000000     .000000     .000000     .000000

ELEM     240 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  977.919954     .000000     .000000     .000000     .000000     .000000
0.25000  977.919954     .000000     .000000     .000000     .000000     .000000
0.50000  977.919954     .000000     .000000     .000000     .000000     .000000
0.75000  977.919954     .000000     .000000     .000000     .000000     .000000
1.00000  977.919954     .000000     .000000     .000000     .000000     .000000

ELEM     241 ================== LENGTH =   60.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   62.775559    1.834551     .000000     .000000     .000000    1.66E-13
0.50000   62.775559    1.834551     .000000     .000000     .000000   55.495178
1.00000   62.775559    1.834551     .000000     .000000     .000000  110.990357

ELEM     242 ================== LENGTH =   62.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   62.763866    6.018805     .000000     .000000     .000000  110.990357
0.50000   62.763866    6.018805     .000000     .000000     .000000   96.715806
1.00000   62.763866    6.018805     .000000     .000000     .000000  275.708946

ELEM     243 ================== LENGTH =   39.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   62.742146   17.292640     .000000     .000000     .000000  275.708946
0.50000   62.742146   17.292640     .000000     .000000     .000000  108.211214
1.00000   62.742146   17.292640     .000000     .000000     .000000  428.545458

ELEM     244 ================== LENGTH =   56.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
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```
0.00000   62.514828   15.213270     .000000     .000000     .000000  428.545458
0.50000   62.514828   15.213270     .000000     .000000     .000000  117.093840
1.00000   62.514828   15.213270     .000000     .000000     .000000  465.252630

ELEM     245 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   62.480157   39.561038     .000000     .000000     .000000  465.252630
0.50000   62.480157   39.561038     .000000     .000000     .000000  102.897651
1.00000   62.480157   39.561038     .000000     .000000     .000000  505.428179

ELEM     246 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   61.935096   13.262189     .000000     .000000     .000000  505.428179
0.50000   61.935096   13.262189     .000000     .000000     .000000   50.111380
1.00000   61.935096   13.262189     .000000     .000000     .000000  453.277275

ELEM     247 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   12.353055   35.362243     .000000     .000000     .000000  453.277275
0.50000   12.353055   35.362243     .000000     .000000     .000000   53.255346
1.00000   12.353055   35.362243     .000000     .000000     .000000  400.440490

ELEM     248 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   11.547804   12.111243     .000000     .000000     .000000  400.440490
0.50000   11.547804   12.111243     .000000     .000000     .000000  167.319975
1.00000   11.547804   12.111243     .000000     .000000     .000000  525.204366

ELEM     249 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   11.447107   30.565760     .000000     .000000     .000000  525.204366
0.50000   11.447107   30.565760     .000000     .000000     .000000  170.047333
1.00000   11.447107   30.565760     .000000     .000000     .000000  225.966995

ELEM     250 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   10.772954    4.168703     .000000     .000000     .000000  225.966995
0.50000   10.772954    4.168703     .000000     .000000     .000000  319.301720
1.00000   10.772954    4.168703     .000000     .000000     .000000  444.848383

ELEM     251 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
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```
0.00000   10.633429   16.067722     .000000     .000000     .000000  444.848383
0.50000   10.633429   16.067722     .000000     .000000     .000000  252.830830
1.00000   10.633429   16.067722     .000000     .000000     .000000   65.652287

ELEM     252 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   10.433682   22.719490     .000000     .000000     .000000   65.652287
0.50000   10.433682   22.719490     .000000     .000000     .000000  213.966700
1.00000   10.433682   22.719490     .000000     .000000     .000000  485.707463

ELEM     253 ================== LENGTH =    9.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   10.320027    6.847055     .000000     .000000     .000000  485.707463
0.50000   10.320027    6.847055     .000000     .000000     .000000  453.566675
1.00000   10.320027    6.847055     .000000     .000000     .000000  421.451695

ELEM     254 ================== LENGTH =   89.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   10.246686    4.705671     .000000     .000000     .000000  421.451695
0.50000   10.246686    4.705671     .000000     .000000     .000000  210.725848
1.00000   10.246686    4.705671     .000000     .000000     .000000    2.64E-13

ELEM     255 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   38.958532     .000000     .000000     .000000     .000000     .000000
0.25000   38.958532     .000000     .000000     .000000     .000000     .000000
0.50000   38.958532     .000000     .000000     .000000     .000000     .000000
0.75000   38.958532     .000000     .000000     .000000     .000000     .000000
1.00000   38.958532     .000000     .000000     .000000     .000000     .000000

ELEM     256 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   50.747211     .000000     .000000     .000000     .000000     .000000
0.25000   50.747211     .000000     .000000     .000000     .000000     .000000
0.50000   50.747211     .000000     .000000     .000000     .000000     .000000
0.75000   50.747211     .000000     .000000     .000000     .000000     .000000
1.00000   50.747211     .000000     .000000     .000000     .000000     .000000

ELEM     257 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   98.695550     .000000     .000000     .000000     .000000     .000000
0.25000   98.695550     .000000     .000000     .000000     .000000     .000000
0.50000   98.695550     .000000     .000000     .000000     .000000     .000000
0.75000   98.695550     .000000     .000000     .000000     .000000     .000000
1.00000   98.695550     .000000     .000000     .000000     .000000     .000000
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ELEM     258 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2645.660     .000000     .000000     .000000     .000000     .000000
0.50000    2645.660     .000000     .000000     .000000     .000000     .000000
1.00000    2645.660     .000000     .000000     .000000     .000000     .000000

ELEM     259 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  313.250787     .000000     .000000     .000000     .000000     .000000
0.25000  313.250787     .000000     .000000     .000000     .000000     .000000
0.50000  313.250787     .000000     .000000     .000000     .000000     .000000
0.75000  313.250787     .000000     .000000     .000000     .000000     .000000
1.00000  313.250787     .000000     .000000     .000000     .000000     .000000

ELEM     260 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2769.264     .000000     .000000     .000000     .000000     .000000
0.50000    2769.264     .000000     .000000     .000000     .000000     .000000
1.00000    2769.264     .000000     .000000     .000000     .000000     .000000

ELEM     261 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   42.563572     .000000     .000000     .000000     .000000     .000000
0.25000   42.563572     .000000     .000000     .000000     .000000     .000000
0.50000   42.563572     .000000     .000000     .000000     .000000     .000000
0.75000   42.563572     .000000     .000000     .000000     .000000     .000000
1.00000   42.563572     .000000     .000000     .000000     .000000     .000000

ELEM     262 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  128.084047     .000000     .000000     .000000     .000000     .000000
0.25000  128.084047     .000000     .000000     .000000     .000000     .000000
0.50000  128.084047     .000000     .000000     .000000     .000000     .000000
0.75000  128.084047     .000000     .000000     .000000     .000000     .000000
1.00000  128.084047     .000000     .000000     .000000     .000000     .000000

ELEM     263 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   77.985927     .000000     .000000     .000000     .000000     .000000
0.25000   77.985927     .000000     .000000     .000000     .000000     .000000
0.50000   77.985927     .000000     .000000     .000000     .000000     .000000
0.75000   77.985927     .000000     .000000     .000000     .000000     .000000
1.00000   77.985927     .000000     .000000     .000000     .000000     .000000
```

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ELEM     264 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  643.118417     .000000     .000000     .000000     .000000     .000000
0.25000  643.118417     .000000     .000000     .000000     .000000     .000000
0.50000  643.118417     .000000     .000000     .000000     .000000     .000000
0.75000  643.118417     .000000     .000000     .000000     .000000     .000000
1.00000  643.118417     .000000     .000000     .000000     .000000     .000000

ELEM     265 ================== LENGTH =   60.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  322.139996    1.913543     .000000     .000000     .000000    3.14E-14
0.50000  322.139996    1.913543     .000000     .000000     .000000   57.884679
1.00000  322.139996    1.913543     .000000     .000000     .000000  115.769359

ELEM     266 ================== LENGTH =   62.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  321.986620    6.185632     .000000     .000000     .000000  115.769359
0.50000  321.986620    6.185632     .000000     .000000     .000000   98.950186
1.00000  321.986620    6.185632     .000000     .000000     .000000  282.346215

ELEM     267 ================== LENGTH =   39.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  321.702781   17.661806     .000000     .000000     .000000  282.346215
0.50000  321.702781   17.661806     .000000     .000000     .000000  111.826309
1.00000  321.702781   17.661806     .000000     .000000     .000000  437.872957

ELEM     268 ================== LENGTH =   56.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  318.745118   15.585545     .000000     .000000     .000000  437.872957
0.50000  318.745118   15.585545     .000000     .000000     .000000  123.691138
1.00000  318.745118   15.585545     .000000     .000000     .000000  479.602376

ELEM     269 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  362.891500   40.829400     .000000     .000000     .000000  479.602376
0.50000  362.891500   40.829400     .000000     .000000     .000000  107.922853
1.00000  362.891500   40.829400     .000000     .000000     .000000  522.861098

ELEM     270 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  362.038603   13.731450     .000000     .000000     .000000  522.861098
0.50000  362.038603   13.731450     .000000     .000000     .000000   50.852021
```

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1.00000  362.038603   13.731450     .000000     .000000     .000000  469.592131

ELEM     271 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  361.919728   37.243398     .000000     .000000     .000000  469.592131
0.50000  361.919728   37.243398     .000000     .000000     .000000   48.915125
1.00000  361.919728   37.243398     .000000     .000000     .000000  428.654847

ELEM     272 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  360.433106   12.527665     .000000     .000000     .000000  428.654847
0.50000  360.433106   12.527665     .000000     .000000     .000000  171.471727
1.00000  360.433106   12.527665     .000000     .000000     .000000  530.900008

ELEM     273 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   48.518933   30.665726     .000000     .000000     .000000  530.900008
0.50000   48.518933   30.665726     .000000     .000000     .000000  178.967570
1.00000   48.518933   30.665726     .000000     .000000     .000000  230.294027

ELEM     274 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   44.672036    4.299642     .000000     .000000     .000000  230.294027
0.50000   44.672036    4.299642     .000000     .000000     .000000  318.039265
1.00000   44.672036    4.299642     .000000     .000000     .000000  444.050340

ELEM     275 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   43.984572   16.255621     .000000     .000000     .000000  444.050340
0.50000   43.984572   16.255621     .000000     .000000     .000000  250.026687
1.00000   43.984572   16.255621     .000000     .000000     .000000   62.837905

ELEM     276 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   43.036527   22.889627     .000000     .000000     .000000   62.837905
0.50000   43.036527   22.889627     .000000     .000000     .000000  221.898164
1.00000   43.036527   22.889627     .000000     .000000     .000000  495.401131

ELEM     277 ================== LENGTH =    9.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   42.514855    6.941549     .000000     .000000     .000000  495.401131
0.50000   42.514855    6.941549     .000000     .000000     .000000  462.814048
```

```
1.00000   42.514855    6.941549     .000000     .000000     .000000  430.252532

ELEM     278 ================== LENGTH =   89.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   42.181880    4.803936     .000000     .000000     .000000  430.252532
0.50000   42.181880    4.803936     .000000     .000000     .000000  215.126266
1.00000   42.181880    4.803936     .000000     .000000     .000000    1.16E-13

ELEM     279 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   44.781234     .000000     .000000     .000000     .000000     .000000
0.25000   44.781234     .000000     .000000     .000000     .000000     .000000
0.50000   44.781234     .000000     .000000     .000000     .000000     .000000
0.75000   44.781234     .000000     .000000     .000000     .000000     .000000
1.00000   44.781234     .000000     .000000     .000000     .000000     .000000

ELEM     280 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   56.568081     .000000     .000000     .000000     .000000     .000000
0.25000   56.568081     .000000     .000000     .000000     .000000     .000000
0.50000   56.568081     .000000     .000000     .000000     .000000     .000000
0.75000   56.568081     .000000     .000000     .000000     .000000     .000000
1.00000   56.568081     .000000     .000000     .000000     .000000     .000000

ELEM     281 ================== LENGTH =  120.400374

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2848.002     .000000     .000000     .000000     .000000     .000000
0.50000    2848.002     .000000     .000000     .000000     .000000     .000000
1.00000    2848.002     .000000     .000000     .000000     .000000     .000000

ELEM     282 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  256.377696     .000000     .000000     .000000     .000000     .000000
0.25000  256.377696     .000000     .000000     .000000     .000000     .000000
0.50000  256.377696     .000000     .000000     .000000     .000000     .000000
0.75000  256.377696     .000000     .000000     .000000     .000000     .000000
1.00000  256.377696     .000000     .000000     .000000     .000000     .000000

ELEM     283 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  259.268616     .000000     .000000     .000000     .000000     .000000
0.25000  259.268616     .000000     .000000     .000000     .000000     .000000
0.50000  259.268616     .000000     .000000     .000000     .000000     .000000
0.75000  259.268616     .000000     .000000     .000000     .000000     .000000
1.00000  259.268616     .000000     .000000     .000000     .000000     .000000
```

ELEM 284 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	232.528820	.000000	.000000	.000000	.000000	.000000
0.25000	232.528820	.000000	.000000	.000000	.000000	.000000
0.50000	232.528820	.000000	.000000	.000000	.000000	.000000
0.75000	232.528820	.000000	.000000	.000000	.000000	.000000
1.00000	232.528820	.000000	.000000	.000000	.000000	.000000

ELEM 285 ========== LENGTH = 120.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	2370.006	.000000	.000000	.000000	.000000	.000000
0.50000	2370.006	.000000	.000000	.000000	.000000	.000000
1.00000	2370.006	.000000	.000000	.000000	.000000	.000000

ELEM 286 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	114.863165	.000000	.000000	.000000	.000000	.000000
0.25000	114.863165	.000000	.000000	.000000	.000000	.000000
0.50000	114.863165	.000000	.000000	.000000	.000000	.000000
0.75000	114.863165	.000000	.000000	.000000	.000000	.000000
1.00000	114.863165	.000000	.000000	.000000	.000000	.000000

ELEM 287 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	107.843634	.000000	.000000	.000000	.000000	.000000
0.25000	107.843634	.000000	.000000	.000000	.000000	.000000
0.50000	107.843634	.000000	.000000	.000000	.000000	.000000
0.75000	107.843634	.000000	.000000	.000000	.000000	.000000
1.00000	107.843634	.000000	.000000	.000000	.000000	.000000

ELEM 288 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	321.125519	.000000	.000000	.000000	.000000	.000000
0.25000	321.125519	.000000	.000000	.000000	.000000	.000000
0.50000	321.125519	.000000	.000000	.000000	.000000	.000000
0.75000	321.125519	.000000	.000000	.000000	.000000	.000000
1.00000	321.125519	.000000	.000000	.000000	.000000	.000000

ELEM 289 ========== LENGTH = 60.500000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1803.646	2.069512	.000000	.000000	.000000	3.31E-13
0.50000	1803.646	2.069512	.000000	.000000	.000000	62.602753
1.00000	1803.646	2.069512	.000000	.000000	.000000	125.205506

```
ELEM     290 ================== LENGTH =   62.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1803.444    6.766405     .000000     .000000     .000000  125.205506
0.50000    1803.444    6.766405     .000000     .000000     .000000  108.516060
1.00000    1803.444    6.766405     .000000     .000000     .000000  309.632620

ELEM     291 ================== LENGTH =   39.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1093.352   19.042528     .000000     .000000     .000000  309.632620
0.50000    1093.352   19.042528     .000000     .000000     .000000  115.673386
1.00000    1093.352   19.042528     .000000     .000000     .000000  466.227165

ELEM     292 ================== LENGTH =   56.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1089.654   16.245701     .000000     .000000     .000000  466.227165
0.50000    1089.654   16.245701     .000000     .000000     .000000  146.876959
1.00000    1089.654   16.245701     .000000     .000000     .000000  500.767272

ELEM     293 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1089.124   43.655476     .000000     .000000     .000000  500.767272
0.50000    1089.124   43.655476     .000000     .000000     .000000  123.744970
1.00000    1089.124   43.655476     .000000     .000000     .000000  573.348350

ELEM     294 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1080.874   14.849209     .000000     .000000     .000000  573.348350
0.50000    1080.874   14.849209     .000000     .000000     .000000   59.767051
1.00000    1080.874   14.849209     .000000     .000000     .000000  499.949259

ELEM     295 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1080.113   38.931586     .000000     .000000     .000000  499.949259
0.50000    1080.113   38.931586     .000000     .000000     .000000   59.334172
1.00000    1080.113   38.931586     .000000     .000000     .000000  440.004907

ELEM     296 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1071.117   12.606061     .000000     .000000     .000000  440.004907
0.50000    1071.117   12.606061     .000000     .000000     .000000  172.130821
1.00000    1071.117   12.606061     .000000     .000000     .000000  526.835500
```

ELEM 297 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1070.170	30.814279	.000000	.000000	.000000	526.835500
0.50000	1070.170	30.814279	.000000	.000000	.000000	178.345111
1.00000	1070.170	30.814279	.000000	.000000	.000000	243.967224

ELEM 298 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1064.075	4.381479	.000000	.000000	.000000	243.967224
0.50000	1064.075	4.381479	.000000	.000000	.000000	317.474014
1.00000	1064.075	4.381479	.000000	.000000	.000000	437.971513

ELEM 299 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	31.036050	16.249635	.000000	.000000	.000000	437.971513
0.50000	31.036050	16.249635	.000000	.000000	.000000	244.180233
1.00000	31.036050	16.249635	.000000	.000000	.000000	58.953467

ELEM 300 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	29.149602	22.840741	.000000	.000000	.000000	58.953467
0.50000	29.149602	22.840741	.000000	.000000	.000000	227.754721
1.00000	29.149602	22.840741	.000000	.000000	.000000	500.518092

ELEM 301 ========== LENGTH = 9.437500

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	28.131229	6.986371	.000000	.000000	.000000	500.518092
0.50000	28.131229	6.986371	.000000	.000000	.000000	467.723690
1.00000	28.131229	6.986371	.000000	.000000	.000000	434.955374

ELEM 302 ========== LENGTH = 89.562500

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	27.485995	4.856445	.000000	.000000	.000000	434.955374
0.50000	27.485995	4.856445	.000000	.000000	.000000	217.477687
1.00000	27.485995	4.856445	.000000	.000000	.000000	4.99E-13

ELEM 303 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	51.818780	.000000	.000000	.000000	.000000	.000000
0.25000	51.818780	.000000	.000000	.000000	.000000	.000000
0.50000	51.818780	.000000	.000000	.000000	.000000	.000000
0.75000	51.818780	.000000	.000000	.000000	.000000	.000000

```
1.00000   51.818780     .000000     .000000     .000000     .000000     .000000

ELEM     304 ================== LENGTH =   95.015788

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2380.131     .000000     .000000     .000000     .000000     .000000
0.50000    2380.131     .000000     .000000     .000000     .000000     .000000
1.00000    2380.131     .000000     .000000     .000000     .000000     .000000

ELEM     305 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   77.356130     .000000     .000000     .000000     .000000     .000000
0.25000   77.356130     .000000     .000000     .000000     .000000     .000000
0.50000   77.356130     .000000     .000000     .000000     .000000     .000000
0.75000   77.356130     .000000     .000000     .000000     .000000     .000000
1.00000   77.356130     .000000     .000000     .000000     .000000     .000000

ELEM     306 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  195.970122     .000000     .000000     .000000     .000000     .000000
0.25000  195.970122     .000000     .000000     .000000     .000000     .000000
0.50000  195.970122     .000000     .000000     .000000     .000000     .000000
0.75000  195.970122     .000000     .000000     .000000     .000000     .000000
1.00000  195.970122     .000000     .000000     .000000     .000000     .000000

ELEM     307 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  202.567048     .000000     .000000     .000000     .000000     .000000
0.25000  202.567048     .000000     .000000     .000000     .000000     .000000
0.50000  202.567048     .000000     .000000     .000000     .000000     .000000
0.75000  202.567048     .000000     .000000     .000000     .000000     .000000
1.00000  202.567048     .000000     .000000     .000000     .000000     .000000

ELEM     308 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  186.344041     .000000     .000000     .000000     .000000     .000000
0.25000  186.344041     .000000     .000000     .000000     .000000     .000000
0.50000  186.344041     .000000     .000000     .000000     .000000     .000000
0.75000  186.344041     .000000     .000000     .000000     .000000     .000000
1.00000  186.344041     .000000     .000000     .000000     .000000     .000000

ELEM     309 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   59.571225     .000000     .000000     .000000     .000000     .000000
0.25000   59.571225     .000000     .000000     .000000     .000000     .000000
0.50000   59.571225     .000000     .000000     .000000     .000000     .000000
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0.75000   59.571225     .000000     .000000     .000000     .000000     .000000
1.00000   59.571225     .000000     .000000     .000000     .000000     .000000

ELEM     310 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1548.599     .000000     .000000     .000000     .000000     .000000
0.50000    1548.599     .000000     .000000     .000000     .000000     .000000
1.00000    1548.599     .000000     .000000     .000000     .000000     .000000

ELEM     311 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  139.185078     .000000     .000000     .000000     .000000     .000000
0.25000  139.185078     .000000     .000000     .000000     .000000     .000000
0.50000  139.185078     .000000     .000000     .000000     .000000     .000000
0.75000  139.185078     .000000     .000000     .000000     .000000     .000000
1.00000  139.185078     .000000     .000000     .000000     .000000     .000000

ELEM     312 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  226.544452     .000000     .000000     .000000     .000000     .000000
0.25000  226.544452     .000000     .000000     .000000     .000000     .000000
0.50000  226.544452     .000000     .000000     .000000     .000000     .000000
0.75000  226.544452     .000000     .000000     .000000     .000000     .000000
1.00000  226.544452     .000000     .000000     .000000     .000000     .000000

ELEM     313 ================== LENGTH =   60.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  150.516517    2.145130     .000000     .000000     .000000    6.81E-14
0.50000  150.516517    2.145130     .000000     .000000     .000000   64.890168
1.00000  150.516517    2.145130     .000000     .000000     .000000  129.780336

ELEM     314 ================== LENGTH =   62.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  227.527119    7.124370     .000000     .000000     .000000  129.780336
0.50000  227.527119    7.124370     .000000     .000000     .000000  116.305437
1.00000  227.527119    7.124370     .000000     .000000     .000000  328.276162

ELEM     315 ================== LENGTH =   39.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  227.464180   20.302552     .000000     .000000     .000000  328.276162
0.50000  227.464180   20.302552     .000000     .000000     .000000  121.567018
1.00000  227.464180   20.302552     .000000     .000000     .000000  497.431069

ELEM     316 ================== LENGTH =   56.750000
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SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  226.781454   17.131293     .000000     .000000     .000000  497.431069
0.50000  226.781454   17.131293     .000000     .000000     .000000  157.216788
1.00000  226.781454   17.131293     .000000     .000000     .000000  524.007495

ELEM     317 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  226.674115   45.647565     .000000     .000000     .000000  524.007495
0.50000  226.674115   45.647565     .000000     .000000     .000000  134.008634
1.00000  226.674115   45.647565     .000000     .000000     .000000  601.197498

ELEM     318 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  224.964774   15.529161     .000000     .000000     .000000  601.197498
0.50000  224.964774   15.529161     .000000     .000000     .000000   65.808505
1.00000  224.964774   15.529161     .000000     .000000     .000000  521.820347

ELEM     319 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  224.798595   40.487826     .000000     .000000     .000000  521.820347
0.50000  224.798595   40.487826     .000000     .000000     .000000   65.157762
1.00000  224.798595   40.487826     .000000     .000000     .000000  456.401830

ELEM     320 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  222.817573   12.822416     .000000     .000000     .000000  456.401830
0.50000  222.817573   12.822416     .000000     .000000     .000000  176.605564
1.00000  222.817573   12.822416     .000000     .000000     .000000  529.375478

ELEM     321 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  222.603511   31.100679     .000000     .000000     .000000  529.375478
0.50000  222.603511   31.100679     .000000     .000000     .000000  180.400958
1.00000  222.603511   31.100679     .000000     .000000     .000000  251.831809

ELEM     322 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  221.220318    4.502242     .000000     .000000     .000000  251.831809
0.50000  221.220318    4.502242     .000000     .000000     .000000  322.601635
1.00000  221.220318    4.502242     .000000     .000000     .000000  444.144891

ELEM     323 ================== LENGTH =   24.000000
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SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  220.959680   16.636830     .000000     .000000     .000000  444.144891
0.50000  220.959680   16.636830     .000000     .000000     .000000  245.813150
1.00000  220.959680   16.636830     .000000     .000000     .000000   57.422572

ELEM     324 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  220.595464   23.207425     .000000     .000000     .000000   57.422572
0.50000  220.595464   23.207425     .000000     .000000     .000000  235.514337
1.00000  220.595464   23.207425     .000000     .000000     .000000  512.590486

ELEM     325 ================== LENGTH =    9.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   40.901869    7.097401     .000000     .000000     .000000  512.590486
0.50000   40.901869    7.097401     .000000     .000000     .000000  479.275336
1.00000   40.901869    7.097401     .000000     .000000     .000000  445.986508

ELEM     326 ================== LENGTH =   89.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   40.696483    4.979612     .000000     .000000     .000000  445.986508
0.50000   40.696483    4.979612     .000000     .000000     .000000  222.993254
1.00000   40.696483    4.979612     .000000     .000000     .000000    1.23E-12

ELEM     327 ================== LENGTH =   94.043873

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2275.312     .000000     .000000     .000000     .000000     .000000
0.50000    2275.312     .000000     .000000     .000000     .000000     .000000
1.00000    2275.312     .000000     .000000     .000000     .000000     .000000

ELEM     328 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    9.457698     .000000     .000000     .000000     .000000     .000000
0.25000    9.457698     .000000     .000000     .000000     .000000     .000000
0.50000    9.457698     .000000     .000000     .000000     .000000     .000000
0.75000    9.457698     .000000     .000000     .000000     .000000     .000000
1.00000    9.457698     .000000     .000000     .000000     .000000     .000000

ELEM     329 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   51.406996     .000000     .000000     .000000     .000000     .000000
0.25000   51.406996     .000000     .000000     .000000     .000000     .000000
0.50000   51.406996     .000000     .000000     .000000     .000000     .000000
0.75000   51.406996     .000000     .000000     .000000     .000000     .000000
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1.00000   51.406996     .000000     .000000     .000000     .000000     .000000

ELEM     330 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  133.475588     .000000     .000000     .000000     .000000     .000000
0.25000  133.475588     .000000     .000000     .000000     .000000     .000000
0.50000  133.475588     .000000     .000000     .000000     .000000     .000000
0.75000  133.475588     .000000     .000000     .000000     .000000     .000000
1.00000  133.475588     .000000     .000000     .000000     .000000     .000000

ELEM     331 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  144.054213     .000000     .000000     .000000     .000000     .000000
0.25000  144.054213     .000000     .000000     .000000     .000000     .000000
0.50000  144.054213     .000000     .000000     .000000     .000000     .000000
0.75000  144.054213     .000000     .000000     .000000     .000000     .000000
1.00000  144.054213     .000000     .000000     .000000     .000000     .000000

ELEM     332 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  139.865309     .000000     .000000     .000000     .000000     .000000
0.25000  139.865309     .000000     .000000     .000000     .000000     .000000
0.50000  139.865309     .000000     .000000     .000000     .000000     .000000
0.75000  139.865309     .000000     .000000     .000000     .000000     .000000
1.00000  139.865309     .000000     .000000     .000000     .000000     .000000

ELEM     333 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   69.592588     .000000     .000000     .000000     .000000     .000000
0.25000   69.592588     .000000     .000000     .000000     .000000     .000000
0.50000   69.592588     .000000     .000000     .000000     .000000     .000000
0.75000   69.592588     .000000     .000000     .000000     .000000     .000000
1.00000   69.592588     .000000     .000000     .000000     .000000     .000000

ELEM     334 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  143.640325     .000000     .000000     .000000     .000000     .000000
0.25000  143.640325     .000000     .000000     .000000     .000000     .000000
0.50000  143.640325     .000000     .000000     .000000     .000000     .000000
0.75000  143.640325     .000000     .000000     .000000     .000000     .000000
1.00000  143.640325     .000000     .000000     .000000     .000000     .000000

ELEM     335 ================== LENGTH =  106.150836

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1437.126     .000000     .000000     .000000     .000000     .000000
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0.50000    1437.126     .000000     .000000     .000000     .000000     .000000
1.00000    1437.126     .000000     .000000     .000000     .000000     .000000

ELEM     336 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  437.703699     .000000     .000000     .000000     .000000     .000000
0.25000  437.703699     .000000     .000000     .000000     .000000     .000000
0.50000  437.703699     .000000     .000000     .000000     .000000     .000000
0.75000  437.703699     .000000     .000000     .000000     .000000     .000000
1.00000  437.703699     .000000     .000000     .000000     .000000     .000000

ELEM     337 ================== LENGTH =   60.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1345.939    2.143762     .000000     .000000     .000000    2.22E-13
0.50000    1345.939    2.143762     .000000     .000000     .000000   64.848799
1.00000    1345.939    2.143762     .000000     .000000     .000000  129.697597

ELEM     338 ================== LENGTH =   62.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1345.773    7.307666     .000000     .000000     .000000  129.697597
0.50000    1345.773    7.307666     .000000     .000000     .000000  122.175412
1.00000    1345.773    7.307666     .000000     .000000     .000000  340.104105

ELEM     339 ================== LENGTH =   39.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1340.883   21.203720     .000000     .000000     .000000  340.104105
0.50000    1340.883   21.203720     .000000     .000000     .000000  125.745241
1.00000    1340.883   21.203720     .000000     .000000     .000000  520.719870

ELEM     340 ================== LENGTH =   56.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1336.568   17.842567     .000000     .000000     .000000  520.719870
0.50000    1336.568   17.842567     .000000     .000000     .000000  163.287686
1.00000    1336.568   17.842567     .000000     .000000     .000000  542.974385

ELEM     341 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1321.784   47.122998     .000000     .000000     .000000  542.974385
0.50000    1321.784   47.122998     .000000     .000000     .000000  140.618188
1.00000    1321.784   47.122998     .000000     .000000     .000000  619.880581

ELEM     342 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    1311.434   15.973535     .000000     .000000     .000000  619.880581
0.50000    1311.434   15.973535     .000000     .000000     .000000   69.305399
1.00000    1311.434   15.973535     .000000     .000000     .000000  535.456107

ELEM     343 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1288.373   41.447956     .000000     .000000     .000000  535.456107
0.50000    1288.373   41.447956     .000000     .000000     .000000   69.037292
1.00000    1288.373   41.447956     .000000     .000000     .000000  466.458763

ELEM     344 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1276.805   13.126208     .000000     .000000     .000000  466.458763
0.50000    1276.805   13.126208     .000000     .000000     .000000  187.844779
1.00000    1276.805   13.126208     .000000     .000000     .000000  547.341063

ELEM     345 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1248.093   32.155161     .000000     .000000     .000000  547.341063
0.50000    1248.093   32.155161     .000000     .000000     .000000  186.488563
1.00000    1248.093   32.155161     .000000     .000000     .000000  260.293271

ELEM     346 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1240.308    5.223777     .000000     .000000     .000000  260.293271
0.50000    1240.308    5.223777     .000000     .000000     .000000  360.455446
1.00000    1240.308    5.223777     .000000     .000000     .000000  512.673167

ELEM     347 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1214.761   26.755206     .000000     .000000     .000000  512.673167
0.50000    1214.761   26.755206     .000000     .000000     .000000  195.178249
1.00000    1214.761   26.755206     .000000     .000000     .000000  139.705217

ELEM     348 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1212.784   33.175441     .000000     .000000     .000000  139.705217
0.50000    1212.784   33.175441     .000000     .000000     .000000  529.855057
1.00000    1212.784   33.175441     .000000     .000000     .000000  926.796019

ELEM     349 ================== LENGTH =    9.437500

SPEC   HORIZ ------------------
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	1185.712	24.040998	.000000	.000000	.000000	926.796019
0.50000	1185.712	24.040998	.000000	.000000	.000000	813.362416
1.00000	1185.712	24.040998	.000000	.000000	.000000	699.932007

ELEM 350 ========== LENGTH = 68.562500

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1185.173	22.364151	.000000	.000000	.000000	699.932007
0.50000	1185.173	22.364151	.000000	.000000	.000000	68.281948
1.00000	1185.173	22.364151	.000000	.000000	.000000	833.660042

ELEM 351 ========== LENGTH = 21.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	205.249971	39.698097	.000000	.000000	.000000	833.660042
0.50000	205.249971	39.698097	.000000	.000000	.000000	416.830021
1.00000	205.249971	39.698097	.000000	.000000	.000000	7.08E-12

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                    S A P 2 0 0 0

                Structural Analysis Programs

                       Version 7.40

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                                          PROGRAM:SAP2000/FILE:\BentBDL.EKO


 S Y S T E M   D A T A


 STEADY STATE LOAD FREQUENCY  - - - - - - - -  0.0000E+00

 LENGTH UNITS - - - - - - - - - - - - - - - -          IN
 FORCE  UNITS - - - - - - - - - - - - - - - -          LB

 UP DIRECTION - - - - - - - - - - - - - - - -          +Z

 GLOBAL DEGREES OF FREEDOM  - - - - - - - - -          UX
                            - - - - - - - - -          UZ
                            - - - - - - - - -          RY

 PAGINATION BY  - - - - - - - - - - - - - - -    SECTIONS
 NUMBER OF LINES PER PAGE - - - - - - - - - -          59
 INCLUDE WARNING MESSAGES IN OUTPUT FILE  - -           Y
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G E N E R A T E D J O I N T C O O R D I N A T E S

JOINT	X	Y	Z
1	180.000	120.000	363.000
2	756.000	120.000	267.000
A2	72.000	120.000	0.000
A3	144.000	120.000	0.000
A4	216.000	120.000	0.000
A5	288.000	120.000	0.000
A6	360.000	120.000	0.000
A7	432.000	120.000	0.000
A8	504.000	120.000	0.000
A9	576.000	120.000	0.000
B2	72.000	120.000	60.500
B3	144.000	120.000	60.500
B4	216.000	120.000	60.500
B5	288.000	120.000	60.500
B6	360.000	120.000	60.500
B7	432.000	120.000	60.500
B8	504.000	120.000	60.500
B9	576.000	120.000	60.500
C2	72.000	120.000	122.500
C3	144.000	120.000	122.500
C4	216.000	120.000	122.500
C5	288.000	120.000	122.500
C6	360.000	120.000	122.500
C7	432.000	120.000	122.500
C8	504.000	120.000	122.500
C9	576.000	120.000	122.500
D1	0.000	120.000	144.000
E1	0.000	120.000	170.750
E2	72.000	120.000	170.750
E3	144.000	120.000	170.750
E4	216.000	120.000	170.750
E5	288.000	120.000	170.750
E6	360.000	120.000	170.750
E7	432.000	120.000	170.750
E8	504.000	120.000	170.750
E9	576.000	120.000	170.750
F1	0.000	120.000	219.000
F2	72.000	120.000	219.000
F3	144.000	120.000	219.000
F4	216.000	120.000	219.000
F5	288.000	120.000	219.000
F6	360.000	120.000	219.000
F7	432.000	120.000	219.000
F8	504.000	120.000	219.000
F9	576.000	120.000	219.000
G1	0.000	120.000	267.000
G2	72.000	120.000	267.000
G3	144.000	120.000	267.000
G4	216.000	120.000	267.000
G5	288.000	120.000	267.000
G6	360.000	120.000	267.000
G7	432.000	120.000	267.000
G8	504.000	120.000	267.000
G9	576.000	120.000	267.000
H1	0.000	120.000	315.000
H2	72.000	120.000	315.000

H3	144.000	120.000	315.000
H4	216.000	120.000	315.000
H5	288.000	120.000	315.000
H6	360.000	120.000	315.000
H7	432.000	120.000	315.000
H8	504.000	120.000	315.000
H9	576.000	120.000	315.000
I1	0.000	120.000	363.000
I2	72.000	120.000	363.000
I3	144.000	120.000	363.000
I4	216.000	120.000	363.000
I5	288.000	120.000	363.000
I6	360.000	120.000	363.000
I7	432.000	120.000	363.000
I8	504.000	120.000	363.000
I9	576.000	120.000	363.000
J1	0.000	120.000	411.000
J2	72.000	120.000	411.000
J3	144.000	120.000	411.000
J4	216.000	120.000	411.000
J5	288.000	120.000	411.000
J6	360.000	120.000	411.000
J7	432.000	120.000	411.000
J8	504.000	120.000	411.000
J9	576.000	120.000	411.000
K1	0.000	120.000	459.000
K2	72.000	120.000	459.000
K3	144.000	120.000	459.000
K4	216.000	120.000	459.000
K5	288.000	120.000	459.000
K6	360.000	120.000	459.000
K7	432.000	120.000	459.000
K8	504.000	120.000	459.000
K9	576.000	120.000	459.000
L1	0.000	120.000	507.000
L2	72.000	120.000	507.000
L3	144.000	120.000	507.000
L4	216.000	120.000	507.000
L5	288.000	120.000	507.000
L6	360.000	120.000	507.000
L7	432.000	120.000	507.000
L8	504.000	120.000	507.000
L9	576.000	120.000	507.000
M1	0.000	120.000	555.000
M2	72.000	120.000	555.000
M3	144.000	120.000	555.000
M4	216.000	120.000	555.000
M5	288.000	120.000	555.000
M6	360.000	120.000	555.000
M7	432.000	120.000	555.000
M8	504.000	120.000	555.000
M9	576.000	120.000	555.000
N1	0.000	120.000	570.000
N2	72.000	120.000	570.000
N3	144.000	120.000	570.000
N4	216.000	120.000	570.000
N5	288.000	120.000	570.000
N6	360.000	120.000	570.000
N7	432.000	120.000	570.000
N8	504.000	120.000	570.000
N9	576.000	120.000	570.000
O1	0.000	120.000	633.000
O7	432.000	120.000	633.000

P1	0.000	120.000	654.000
P2	72.000	120.000	654.000
P3	144.000	120.000	654.000
P4	216.000	120.000	654.000
P5	288.000	120.000	654.000
P6	360.000	120.000	654.000
P7	432.000	120.000	654.000
P8	504.000	120.000	654.000
P9	576.000	120.000	654.000
A10	648.000	120.000	0.000
A11	720.000	120.000	0.000
A12	792.000	120.000	0.000
A13	864.000	120.000	0.000
A14	936.000	120.000	0.000
A15	1008.000	120.000	0.000
B10	648.000	120.000	60.500
B11	720.000	120.000	60.500
B12	792.000	120.000	60.500
B13	864.000	120.000	60.500
B14	936.000	120.000	60.500
B15	1008.000	120.000	60.500
C10	648.000	120.000	122.500
C11	720.000	120.000	122.500
C12	792.000	120.000	122.500
C13	864.000	120.000	122.500
C14	936.000	120.000	122.500
C15	1008.000	120.000	122.500
DE1	0.000	120.000	531.000
DE2	72.000	120.000	531.000
DE3	144.000	120.000	531.000
DE4	216.000	120.000	531.000
DE5	288.000	120.000	531.000
DE6	360.000	120.000	531.000
DE7	432.000	120.000	531.000
DE8	504.000	120.000	531.000
DE9	576.000	120.000	531.000
E10	648.000	120.000	170.750
E11	720.000	120.000	170.750
E12	792.000	120.000	170.750
E13	864.000	120.000	170.750
E14	936.000	120.000	170.750
E15	1008.000	120.000	170.750
F10	648.000	120.000	219.000
F11	720.000	120.000	219.000
F12	792.000	120.000	219.000
F13	864.000	120.000	219.000
F14	936.000	120.000	219.000
F15	1008.000	120.000	219.000
G10	648.000	120.000	267.000
G11	720.000	120.000	267.000
G12	792.000	120.000	267.000
G13	864.000	120.000	267.000
G14	936.000	120.000	267.000
G15	1008.000	120.000	267.000
H10	648.000	120.000	315.000
H11	720.000	120.000	315.000
H12	792.000	120.000	315.000
H13	864.000	120.000	315.000
H14	936.000	120.000	315.000
H15	1008.000	120.000	315.000
I10	648.000	120.000	363.000
I11	720.000	120.000	363.000
I12	792.000	120.000	363.000

I13	864.000	120.000	363.000
I14	936.000	120.000	363.000
I15	1008.000	120.000	363.000
J10	648.000	120.000	411.000
J11	720.000	120.000	411.000
J12	792.000	120.000	411.000
J13	864.000	120.000	411.000
J14	936.000	120.000	411.000
J15	1008.000	120.000	411.000
K10	648.000	120.000	459.000
K11	720.000	120.000	459.000
K12	792.000	120.000	459.000
K13	864.000	120.000	459.000
K14	936.000	120.000	459.000
K15	1008.000	120.000	459.000
L10	648.000	120.000	507.000
L11	720.000	120.000	507.000
L12	792.000	120.000	507.000
L13	864.000	120.000	507.000
L14	936.000	120.000	507.000
L15	1008.000	120.000	507.000
M10	648.000	120.000	555.000
M11	720.000	120.000	555.000
M12	792.000	120.000	555.000
M13	864.000	120.000	555.000
M14	936.000	120.000	555.000
M15	1008.000	120.000	555.000
N10	648.000	120.000	570.000
N11	720.000	120.000	570.000
N12	792.000	120.000	570.000
N13	864.000	120.000	570.000
N14	936.000	120.000	570.000
N15	1008.000	120.000	570.000
O15	1008.000	120.000	633.000
P10	648.000	120.000	654.000
P11	720.000	120.000	654.000
P12	792.000	120.000	654.000
P13	864.000	120.000	654.000
P14	936.000	120.000	654.000
P15	1008.000	120.000	654.000
DE10	648.000	120.000	531.000
DE11	720.000	120.000	531.000
DE12	792.000	120.000	531.000
DE13	864.000	120.000	531.000
DE14	936.000	120.000	531.000
DE15	1008.000	120.000	531.000
1FIL1	0.000	120.000	162.250
1FIL2	72.000	120.000	162.250
1FIL3	144.000	120.000	162.250
1FIL4	216.000	120.000	162.250
1FIL5	288.000	120.000	162.250
1FIL6	360.000	120.000	162.250
1FIL7	432.000	120.000	162.250
1FIL8	504.000	120.000	162.250
1FIL9	576.000	120.000	162.250
2FIL1	0.000	120.000	243.000
2FIL2	72.000	120.000	243.000
2FIL3	144.000	120.000	243.000
2FIL4	216.000	120.000	243.000
2FIL5	288.000	120.000	243.000
2FIL6	360.000	120.000	243.000
2FIL7	432.000	120.000	243.000
2FIL8	504.000	120.000	243.000

2FIL9	576.000	120.000	243.000
3FIL1	0.000	120.000	339.000
3FIL2	72.000	120.000	339.000
3FIL3	144.000	120.000	339.000
3FIL4	216.000	120.000	339.000
3FIL5	288.000	120.000	339.000
3FIL6	360.000	120.000	339.000
3FIL7	432.000	120.000	339.000
3FIL8	504.000	120.000	339.000
3FIL9	576.000	120.000	339.000
4FIL1	0.000	120.000	435.000
4FIL2	72.000	120.000	435.000
4FIL3	144.000	120.000	435.000
4FIL4	216.000	120.000	435.000
4FIL5	288.000	120.000	435.000
4FIL6	360.000	120.000	435.000
4FIL7	432.000	120.000	435.000
4FIL8	504.000	120.000	435.000
4FIL9	576.000	120.000	435.000
5FIL1	0.000	120.000	564.437
5FIL2	72.000	120.000	564.437
5FIL3	144.000	120.000	564.437
5FIL4	216.000	120.000	564.437
5FIL5	288.000	120.000	564.437
5FIL6	360.000	120.000	564.437
5FIL7	432.000	120.000	564.437
5FIL8	504.000	120.000	564.437
5FIL9	576.000	120.000	564.437
1FIL10	648.000	120.000	162.250
1FIL11	720.000	120.000	162.250
1FIL12	792.000	120.000	162.250
1FIL13	864.000	120.000	162.250
1FIL14	936.000	120.000	162.250
1FIL15	1008.000	120.000	162.250
2FIL10	648.000	120.000	243.000
2FIL11	720.000	120.000	243.000
2FIL12	792.000	120.000	243.000
2FIL13	864.000	120.000	243.000
2FIL14	936.000	120.000	243.000
2FIL15	1008.000	120.000	243.000
3FIL10	648.000	120.000	339.000
3FIL11	720.000	120.000	339.000
3FIL12	792.000	120.000	339.000
3FIL13	864.000	120.000	339.000
3FIL14	936.000	120.000	339.000
3FIL15	1008.000	120.000	339.000
4FIL10	648.000	120.000	435.000
4FIL11	720.000	120.000	435.000
4FIL12	792.000	120.000	435.000
4FIL13	864.000	120.000	435.000
4FIL14	936.000	120.000	435.000
4FIL15	1008.000	120.000	435.000
5FIL10	648.000	120.000	564.437
5FIL11	720.000	120.000	564.437
5FIL12	792.000	120.000	564.437
5FIL13	864.000	120.000	564.437
5FIL14	936.000	120.000	564.437
5FIL15	1008.000	120.000	564.437

P A T T E R N S

PATTERN	JOINT	VALUE
DEFAULT		

R E S T R A I N T D A T A

JOINT			
A2	U1	U2	U3
A3	U1	U2	U3
A4	U1	U2	U3
A5	U1	U2	U3
A6	U1	U2	U3
A7	U1	U2	U3
A8	U1	U2	U3
A9	U1	U2	U3
D1	U1	U2	U3
A10	U1	U2	U3
A11	U1	U2	U3
A12	U1	U2	U3
A13	U1	U2	U3
A14	U1	U2	U3
A15	U1	U2	U3

C O N S T R A I N T D A T A

CONSTR	TYPE	CSYS	AXIS	DEGREES OF FREEDOM
NM1	EQUAL	0		UX
NM2	EQUAL	0		UX
NM3	EQUAL	0		UX
NM4	EQUAL	0		UX
NM5	EQUAL	0		UX
NM6	EQUAL	0		UX
NM7	EQUAL	0		UX
NM8	EQUAL	0		UX
NM9	EQUAL	0		UX
PO1	EQUAL	0		UX
PO7	EQUAL	0		UX
NM10	EQUAL	0		UX
NM11	EQUAL	0		UX
NM12	EQUAL	0		UX
NM13	EQUAL	0		UX
NM14	EQUAL	0		UX
NM15	EQUAL	0		UX
PO15	EQUAL	0		UX

C O N S T R A I N T D A T A

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 CONSTR
        JOINTS
    NM1
             M1      N1   5FIL1
    NM2
             M2      N2   5FIL2
    NM3
             M3      N3   5FIL3
    NM4
             M4      N4   5FIL4
    NM5
             M5      N5   5FIL5
    NM6
             M6      N6   5FIL6
    NM7
             M7      N7   5FIL7
    NM8
             M8      N8   5FIL8
    NM9
             M9      N9   5FIL9
    PO1
             O1      P1
    PO7
             O7      P7
   NM10
            M10     N10  5FIL10
   NM11
            M11     N11  5FIL11
   NM12
            M12     N12  5FIL12
   NM13
            M13     N13  5FIL13
   NM14
            M14     N14  5FIL14
   NM15
            M15     N15  5FIL15
   PO15
            O15     P15
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C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 7
PROGRAM:SAP2000/FILE:\BentBDL.EKO

J O I N T M A S S E S

JOINT	U1	U2	U3	R1	R2	R3
D1	0.865E-01	0.865E-01	0.865E-01	0.000E+00	0.000E+00	0.000E+00
E1	0.243E+00	0.243E+00	0.243E+00	0.000E+00	0.000E+00	0.000E+00
E8	0.573E+00	0.573E+00	0.573E+00	0.000E+00	0.000E+00	0.000E+00
F1	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
F8	0.735E+00	0.735E+00	0.735E+00	0.000E+00	0.000E+00	0.000E+00
G1	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
G8	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
H1	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
H8	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
I1	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
I8	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
J1	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
J8	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
K1	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00

K8	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
L1	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
L8	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
M1	0.204E+00	0.204E+00	0.204E+00	0.000E+00	0.000E+00	0.000E+00
M8	0.481E+00	0.481E+00	0.481E+00	0.000E+00	0.000E+00	0.000E+00
N1	0.629E+01	0.629E+01	0.629E+01	0.000E+00	0.000E+00	0.000E+00
N2	0.119E+02	0.119E+02	0.119E+02	0.000E+00	0.000E+00	0.000E+00
N3	0.119E+02	0.119E+02	0.119E+02	0.000E+00	0.000E+00	0.000E+00
N4	0.119E+02	0.119E+02	0.119E+02	0.000E+00	0.000E+00	0.000E+00
N5	0.119E+02	0.119E+02	0.119E+02	0.000E+00	0.000E+00	0.000E+00
N6	0.119E+02	0.119E+02	0.119E+02	0.000E+00	0.000E+00	0.000E+00
N7	0.119E+02	0.119E+02	0.119E+02	0.000E+00	0.000E+00	0.000E+00
N8	0.127E+02	0.127E+02	0.127E+02	0.000E+00	0.000E+00	0.000E+00
N9	0.119E+02	0.119E+02	0.119E+02	0.000E+00	0.000E+00	0.000E+00
P1	0.253E+01	0.253E+01	0.253E+01	0.000E+00	0.000E+00	0.000E+00
P2	0.452E+01	0.452E+01	0.452E+01	0.000E+00	0.000E+00	0.000E+00
P3	0.506E+01	0.506E+01	0.506E+01	0.000E+00	0.000E+00	0.000E+00
P4	0.611E+01	0.611E+01	0.611E+01	0.000E+00	0.000E+00	0.000E+00
P5	0.611E+01	0.611E+01	0.611E+01	0.000E+00	0.000E+00	0.000E+00
P6	0.506E+01	0.506E+01	0.506E+01	0.000E+00	0.000E+00	0.000E+00
P7	0.452E+01	0.452E+01	0.452E+01	0.000E+00	0.000E+00	0.000E+00
P8	0.516E+01	0.516E+01	0.516E+01	0.000E+00	0.000E+00	0.000E+00
P9	0.452E+01	0.452E+01	0.452E+01	0.000E+00	0.000E+00	0.000E+00
DE1	0.721E-01	0.721E-01	0.721E-01	0.000E+00	0.000E+00	0.000E+00
DE2	0.144E+00	0.144E+00	0.144E+00	0.000E+00	0.000E+00	0.000E+00
DE3	0.972E+00	0.972E+00	0.972E+00	0.000E+00	0.000E+00	0.000E+00
DE4	0.558E+00	0.558E+00	0.558E+00	0.000E+00	0.000E+00	0.000E+00
DE5	0.144E+00	0.144E+00	0.144E+00	0.000E+00	0.000E+00	0.000E+00
DE6	0.144E+00	0.144E+00	0.144E+00	0.000E+00	0.000E+00	0.000E+00
DE7	0.144E+00	0.144E+00	0.144E+00	0.000E+00	0.000E+00	0.000E+00
DE8	0.144E+00	0.144E+00	0.144E+00	0.000E+00	0.000E+00	0.000E+00
DE9	0.144E+00	0.144E+00	0.144E+00	0.000E+00	0.000E+00	0.000E+00
E15	0.573E+00	0.573E+00	0.573E+00	0.000E+00	0.000E+00	0.000E+00
F15	0.735E+00	0.735E+00	0.735E+00	0.000E+00	0.000E+00	0.000E+00
G15	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
H15	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
I15	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
J15	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
K15	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
L15	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
M15	0.481E+00	0.481E+00	0.481E+00	0.000E+00	0.000E+00	0.000E+00
N10	0.119E+02	0.119E+02	0.119E+02	0.000E+00	0.000E+00	0.000E+00
N11	0.119E+02	0.119E+02	0.119E+02	0.000E+00	0.000E+00	0.000E+00
N12	0.119E+02	0.119E+02	0.119E+02	0.000E+00	0.000E+00	0.000E+00
N13	0.119E+02	0.119E+02	0.119E+02	0.000E+00	0.000E+00	0.000E+00
N14	0.119E+02	0.119E+02	0.119E+02	0.000E+00	0.000E+00	0.000E+00
N15	0.127E+02	0.127E+02	0.127E+02	0.000E+00	0.000E+00	0.000E+00
P10	0.506E+01	0.506E+01	0.506E+01	0.000E+00	0.000E+00	0.000E+00
P11	0.611E+01	0.611E+01	0.611E+01	0.000E+00	0.000E+00	0.000E+00
P12	0.611E+01	0.611E+01	0.611E+01	0.000E+00	0.000E+00	0.000E+00
P13	0.506E+01	0.506E+01	0.506E+01	0.000E+00	0.000E+00	0.000E+00
P14	0.452E+01	0.452E+01	0.452E+01	0.000E+00	0.000E+00	0.000E+00
P15	0.516E+01	0.516E+01	0.516E+01	0.000E+00	0.000E+00	0.000E+00
DE10	0.144E+00	0.144E+00	0.144E+00	0.000E+00	0.000E+00	0.000E+00
DE11	0.144E+00	0.144E+00	0.144E+00	0.000E+00	0.000E+00	0.000E+00
DE12	0.144E+00	0.144E+00	0.144E+00	0.000E+00	0.000E+00	0.000E+00
DE13	0.144E+00	0.144E+00	0.144E+00	0.000E+00	0.000E+00	0.000E+00
DE14	0.144E+00	0.144E+00	0.144E+00	0.000E+00	0.000E+00	0.000E+00
DE15	0.144E+00	0.144E+00	0.144E+00	0.000E+00	0.000E+00	0.000E+00
1FIL1	0.334E+00	0.334E+00	0.334E+00	0.000E+00	0.000E+00	0.000E+00
1FIL2	0.667E+00	0.667E+00	0.667E+00	0.000E+00	0.000E+00	0.000E+00
1FIL3	0.667E+00	0.667E+00	0.667E+00	0.000E+00	0.000E+00	0.000E+00
1FIL4	0.667E+00	0.667E+00	0.667E+00	0.000E+00	0.000E+00	0.000E+00

1FIL5	0.667E+00	0.667E+00	0.667E+00	0.000E+00	0.000E+00	0.000E+00
1FIL6	0.667E+00	0.667E+00	0.667E+00	0.000E+00	0.000E+00	0.000E+00
1FIL7	0.667E+00	0.667E+00	0.667E+00	0.000E+00	0.000E+00	0.000E+00
1FIL8	0.667E+00	0.667E+00	0.667E+00	0.000E+00	0.000E+00	0.000E+00
1FIL9	0.667E+00	0.667E+00	0.667E+00	0.000E+00	0.000E+00	0.000E+00
2FIL1	0.762E+00	0.762E+00	0.762E+00	0.000E+00	0.000E+00	0.000E+00
2FIL2	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
2FIL3	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
2FIL4	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
2FIL5	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
2FIL6	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
2FIL7	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
2FIL8	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
2FIL9	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
3FIL1	0.773E+00	0.773E+00	0.773E+00	0.000E+00	0.000E+00	0.000E+00
3FIL2	0.155E+01	0.155E+01	0.155E+01	0.000E+00	0.000E+00	0.000E+00
3FIL3	0.155E+01	0.155E+01	0.155E+01	0.000E+00	0.000E+00	0.000E+00
3FIL4	0.155E+01	0.155E+01	0.155E+01	0.000E+00	0.000E+00	0.000E+00
3FIL5	0.155E+01	0.155E+01	0.155E+01	0.000E+00	0.000E+00	0.000E+00
3FIL6	0.155E+01	0.155E+01	0.155E+01	0.000E+00	0.000E+00	0.000E+00
3FIL7	0.155E+01	0.155E+01	0.155E+01	0.000E+00	0.000E+00	0.000E+00
3FIL8	0.155E+01	0.155E+01	0.155E+01	0.000E+00	0.000E+00	0.000E+00
3FIL9	0.155E+01	0.155E+01	0.155E+01	0.000E+00	0.000E+00	0.000E+00
4FIL1	0.805E+00	0.805E+00	0.805E+00	0.000E+00	0.000E+00	0.000E+00
4FIL2	0.161E+01	0.161E+01	0.161E+01	0.000E+00	0.000E+00	0.000E+00
4FIL3	0.161E+01	0.161E+01	0.161E+01	0.000E+00	0.000E+00	0.000E+00
4FIL4	0.161E+01	0.161E+01	0.161E+01	0.000E+00	0.000E+00	0.000E+00
4FIL5	0.161E+01	0.161E+01	0.161E+01	0.000E+00	0.000E+00	0.000E+00
4FIL6	0.161E+01	0.161E+01	0.161E+01	0.000E+00	0.000E+00	0.000E+00
4FIL7	0.161E+01	0.161E+01	0.161E+01	0.000E+00	0.000E+00	0.000E+00
4FIL8	0.161E+01	0.161E+01	0.161E+01	0.000E+00	0.000E+00	0.000E+00
4FIL9	0.161E+01	0.161E+01	0.161E+01	0.000E+00	0.000E+00	0.000E+00
5FIL1	0.209E+00	0.209E+00	0.209E+00	0.000E+00	0.000E+00	0.000E+00
5FIL2	0.418E+00	0.418E+00	0.418E+00	0.000E+00	0.000E+00	0.000E+00
5FIL3	0.418E+00	0.418E+00	0.418E+00	0.000E+00	0.000E+00	0.000E+00
5FIL4	0.418E+00	0.418E+00	0.418E+00	0.000E+00	0.000E+00	0.000E+00
5FIL5	0.418E+00	0.418E+00	0.418E+00	0.000E+00	0.000E+00	0.000E+00
5FIL6	0.418E+00	0.418E+00	0.418E+00	0.000E+00	0.000E+00	0.000E+00
5FIL7	0.418E+00	0.418E+00	0.418E+00	0.000E+00	0.000E+00	0.000E+00
5FIL8	0.418E+00	0.418E+00	0.418E+00	0.000E+00	0.000E+00	0.000E+00
5FIL9	0.418E+00	0.418E+00	0.418E+00	0.000E+00	0.000E+00	0.000E+00
1FIL10	0.667E+00	0.667E+00	0.667E+00	0.000E+00	0.000E+00	0.000E+00
1FIL11	0.667E+00	0.667E+00	0.667E+00	0.000E+00	0.000E+00	0.000E+00
1FIL12	0.667E+00	0.667E+00	0.667E+00	0.000E+00	0.000E+00	0.000E+00
1FIL13	0.667E+00	0.667E+00	0.667E+00	0.000E+00	0.000E+00	0.000E+00
1FIL14	0.667E+00	0.667E+00	0.667E+00	0.000E+00	0.000E+00	0.000E+00
1FIL15	0.667E+00	0.667E+00	0.667E+00	0.000E+00	0.000E+00	0.000E+00
2FIL10	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
2FIL11	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
2FIL12	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
2FIL13	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
2FIL14	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
2FIL15	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
3FIL10	0.155E+01	0.155E+01	0.155E+01	0.000E+00	0.000E+00	0.000E+00
3FIL11	0.155E+01	0.155E+01	0.155E+01	0.000E+00	0.000E+00	0.000E+00
3FIL12	0.155E+01	0.155E+01	0.155E+01	0.000E+00	0.000E+00	0.000E+00
3FIL13	0.155E+01	0.155E+01	0.155E+01	0.000E+00	0.000E+00	0.000E+00
3FIL14	0.155E+01	0.155E+01	0.155E+01	0.000E+00	0.000E+00	0.000E+00
3FIL15	0.155E+01	0.155E+01	0.155E+01	0.000E+00	0.000E+00	0.000E+00
4FIL10	0.161E+01	0.161E+01	0.161E+01	0.000E+00	0.000E+00	0.000E+00
4FIL11	0.161E+01	0.161E+01	0.161E+01	0.000E+00	0.000E+00	0.000E+00
4FIL12	0.161E+01	0.161E+01	0.161E+01	0.000E+00	0.000E+00	0.000E+00
4FIL13	0.161E+01	0.161E+01	0.161E+01	0.000E+00	0.000E+00	0.000E+00

4FIL14	0.161E+01	0.161E+01	0.161E+01	0.000E+00	0.000E+00	0.000E+00
4FIL15	0.161E+01	0.161E+01	0.161E+01	0.000E+00	0.000E+00	0.000E+00
5FIL10	0.418E+00	0.418E+00	0.418E+00	0.000E+00	0.000E+00	0.000E+00
5FIL11	0.418E+00	0.418E+00	0.418E+00	0.000E+00	0.000E+00	0.000E+00
5FIL12	0.418E+00	0.418E+00	0.418E+00	0.000E+00	0.000E+00	0.000E+00
5FIL13	0.418E+00	0.418E+00	0.418E+00	0.000E+00	0.000E+00	0.000E+00
5FIL14	0.418E+00	0.418E+00	0.418E+00	0.000E+00	0.000E+00	0.000E+00
5FIL15	0.418E+00	0.418E+00	0.418E+00	0.000E+00	0.000E+00	0.000E+00

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J O I N T S P R I N G S

JOINT	U1	U2	U3	R1	R2	R3
1						
R2					0.100E+01	0.000E+00
JOINT						
2						
R2					0.100E+01	0.000E+00

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M A T E R I A L P R O P E R T Y D A T A

MAT LABEL	NUMBER TEMPS	WEIGHT PER UNIT VOL	MASS PER UNIT VOL	DESIGN CODE
STEEL	1	0.2830E+00	0.7324E-03	S
CONC	1	0.8680E-01	0.2246E-03	C
OTHER	1	0.8680E-01	0.2246E-03	N
WOOD	1	0.1852E-01	0.4793E-04	N

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T E M P E R A T U R E D E P E N D E N T D A T A

MATERIAL PROPERTIES

MAT LABEL	TEMP	MODULUS OF ELASTICITY E1	E2	E3	SHEAR MODULII G12	G13	G23
STEEL	0.00	0.290E+08	0.290E+08	0.290E+08	0.112E+08	0.112E+08	0.112E+08
CONC	0.00	0.360E+07	0.360E+07	0.360E+07	0.150E+07	0.150E+07	0.150E+07
OTHER	0.00	0.360E+07	0.360E+07	0.360E+07	0.150E+07	0.150E+07	0.150E+07
WOOD	0.00	0.140E+07	0.140E+07	0.140E+07	0.538E+06	0.538E+06	0.538E+06

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T E M P E R A T U R E D E P E N D E N T D A T A

THERMAL EXPANSION COEFFICIENTS

MAT LABEL	TEMP	COEFFICIENTS OF THERMAL EXPANSION A1	A2	A3	A12	A13	A23
STEEL	0.00	0.650E-05	0.650E-05	0.650E-05	0.000E+00	0.000E+00	0.000E+00
CONC	0.00	0.550E-05	0.550E-05	0.550E-05	0.000E+00	0.000E+00	0.000E+00
OTHER	0.00	0.550E-05	0.550E-05	0.550E-05	0.000E+00	0.000E+00	0.000E+00
WOOD	0.00	0.650E-05	0.650E-05	0.650E-05	0.000E+00	0.000E+00	0.000E+00

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T E M P E R A T U R E D E P E N D E N T D A T A

MATERIAL PROPERTIES

MAT LABEL	TEMP	POISSONS RATIO U12	U13	U23	U14	U24	U34	U15	U25	U35	U45	U16	U26	U36	U46	U56
STEEL	0.00	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CONC	0.00	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER	0.00	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WOOD	0.00	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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MATERIAL PROPERTIES

MAT LABEL	TEMP	YIELD FY
CONC	0.00	36.00

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	SHAPE TYPE	DEPTH	FLANGE WIDTH TOP	FLANGE THICK TOP	WEB THICK	FLANGE WIDTH BOTTOM	FLANGE THICK BOTTOM
4X4	R	3.500	3.500				
2X2X4	R	3.500	3.000				
2X8	R	7.250	1.500				
2X2X8	R	7.250	3.000				

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	AXIAL AREA	TORSIONAL CONSTANT	MOMENTS OF INERTIA I33	I22	SHEAR AREAS A2	A3
4X4	0.123E+02	0.211E+02	0.125E+02	0.125E+02	0.102E+02	0.102E+02
2X2X4	0.105E+02	0.153E+02	0.107E+02	0.788E+01	0.875E+01	0.875E+01
2X8	0.109E+02	0.709E+01	0.476E+02	0.204E+01	0.906E+01	0.906E+01
2X2X8	0.218E+02	0.483E+02	0.953E+02	0.163E+02	0.181E+02	0.181E+02

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	MAT LABEL	ADDITIONAL MASS PER LENGTH	ADDITIONAL WEIGHT PER LENGTH
4X4	WOOD	0.000E+00	0.000E+00
2X2X4	WOOD	0.000E+00	0.000E+00
2X8	WOOD	0.000E+00	0.000E+00
2X2X8	WOOD	0.000E+00	0.000E+00

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F R A M E E L E M E N T D A T A

ELEMENT LABEL	JOINT END-I	JOINT END-J	ELEMENT LENGTH	END-OFFSET-LENGTHS END-I	END-J	RIGID-END FACTOR	NUMBER OF SEGMENTS
1	D1	1FIL1	18.250	0.000	0.000	0.0000	2
2	1FIL1	E1	8.500	0.000	0.000	0.0000	2
3	E1	F1	48.250	0.000	0.000	0.0000	2
4	F1	2FIL1	24.000	0.000	0.000	0.0000	2
5	2FIL1	G1	24.000	0.000	0.000	0.0000	2
6	G1	H1	48.000	0.000	0.000	0.0000	2
7	H1	3FIL1	24.000	0.000	0.000	0.0000	2
8	3FIL1	I1	24.000	0.000	0.000	0.0000	2
9	I1	J1	48.000	0.000	0.000	0.0000	2
10	J1	4FIL1	24.000	0.000	0.000	0.0000	2
11	4FIL1	K1	24.000	0.000	0.000	0.0000	2
12	K1	L1	48.000	0.000	0.000	0.0000	2
14	M1	5FIL1	9.437	0.000	0.000	0.0000	2
15	5FIL1	N1	5.563	0.000	0.000	0.0000	2
16	N1	O1	63.000	0.000	0.000	0.0000	2
17	O1	P1	21.000	0.000	0.000	0.0000	2
18	E1	E2	72.000	0.000	0.000	0.0000	4
19	E1	E2	72.000	0.000	0.000	0.0000	4
21	F1	F2	72.000	0.000	0.000	0.0000	4
22	G1	G2	72.000	0.000	0.000	0.0000	4
23	H1	H2	72.000	0.000	0.000	0.0000	4

24	I1	I2	72.000	0.000	0.000	0.0000	4
25	J1	J2	72.000	0.000	0.000	0.0000	4
26	K1	K2	72.000	0.000	0.000	0.0000	4
27	L1	L2	72.000	0.000	0.000	0.0000	4
29	M1	M2	72.000	0.000	0.000	0.0000	4
30	N1	N2	72.000	0.000	0.000	0.0000	4
32	P1	P2	72.000	0.000	0.000	0.0000	4
33	A2	B2	60.500	0.000	0.000	0.0000	2
34	B2	C2	62.000	0.000	0.000	0.0000	2
35	C2	1FIL2	39.750	0.000	0.000	0.0000	2
36	1FIL2	E2	8.500	0.000	0.000	0.0000	2
37	E2	F2	48.250	0.000	0.000	0.0000	2
38	F2	2FIL2	24.000	0.000	0.000	0.0000	2
39	2FIL2	G2	24.000	0.000	0.000	0.0000	2
40	G2	H2	48.000	0.000	0.000	0.0000	2
41	H2	3FIL2	24.000	0.000	0.000	0.0000	2
42	3FIL2	I2	24.000	0.000	0.000	0.0000	2
43	I2	J2	48.000	0.000	0.000	0.0000	2
44	J2	4FIL2	24.000	0.000	0.000	0.0000	2
45	4FIL2	K2	24.000	0.000	0.000	0.0000	2
46	K2	L2	48.000	0.000	0.000	0.0000	2
48	M2	5FIL2	9.437	0.000	0.000	0.0000	2
49	5FIL2	N2	5.563	0.000	0.000	0.0000	2
50	N2	P2	84.000	0.000	0.000	0.0000	2
51	B2	B3	72.000	0.000	0.000	0.0000	4
52	C2	C3	72.000	0.000	0.000	0.0000	4
53	E2	E3	72.000	0.000	0.000	0.0000	4
54	F2	F3	72.000	0.000	0.000	0.0000	4
56	G2	G3	72.000	0.000	0.000	0.0000	4
58	G2	G3	72.000	0.000	0.000	0.0000	4
59	H2	H3	72.000	0.000	0.000	0.0000	4
61	I2	I3	72.000	0.000	0.000	0.0000	4
62	J2	J3	72.000	0.000	0.000	0.0000	4
64	K2	K3	72.000	0.000	0.000	0.0000	4
66	L2	L3	72.000	0.000	0.000	0.0000	4
68	M2	M3	72.000	0.000	0.000	0.0000	4
69	N2	N3	72.000	0.000	0.000	0.0000	4
70	P2	P3	72.000	0.000	0.000	0.0000	4
71	A3	B3	60.500	0.000	0.000	0.0000	2
72	B3	C3	62.000	0.000	0.000	0.0000	2
73	C3	1FIL3	39.750	0.000	0.000	0.0000	2
74	1FIL3	E3	8.500	0.000	0.000	0.0000	2
75	E3	F3	48.250	0.000	0.000	0.0000	2
76	F3	2FIL3	24.000	0.000	0.000	0.0000	2
77	2FIL3	G3	24.000	0.000	0.000	0.0000	2
78	G3	H3	48.000	0.000	0.000	0.0000	2
79	H3	3FIL3	24.000	0.000	0.000	0.0000	2
80	3FIL3	I3	24.000	0.000	0.000	0.0000	2
81	I3	J3	48.000	0.000	0.000	0.0000	2
82	J3	4FIL3	24.000	0.000	0.000	0.0000	2
83	4FIL3	K3	24.000	0.000	0.000	0.0000	2
84	K3	L3	48.000	0.000	0.000	0.0000	2
86	M3	5FIL3	9.437	0.000	0.000	0.0000	2
87	5FIL3	N3	5.563	0.000	0.000	0.0000	2
88	N3	P3	84.000	0.000	0.000	0.0000	2
90	I3	1	36.000	0.000	0.000	0.0000	4
91	I3	1	36.000	0.000	0.000	0.0000	4
93	B3	B4	72.000	0.000	0.000	0.0000	4
94	C3	C4	72.000	0.000	0.000	0.0000	4
95	E3	E4	72.000	0.000	0.000	0.0000	4
96	F3	F4	72.000	0.000	0.000	0.0000	4
97	G3	G4	72.000	0.000	0.000	0.0000	4
98	H3	H4	72.000	0.000	0.000	0.0000	4

99	J3	J4	72.000	0.000	0.000	0.0000	4
100	K3	K4	72.000	0.000	0.000	0.0000	4
102	L3	L4	72.000	0.000	0.000	0.0000	4
103	M3	M4	72.000	0.000	0.000	0.0000	4
104	N3	N4	72.000	0.000	0.000	0.0000	4
105	P3	P4	72.000	0.000	0.000	0.0000	4
107	1	I4	36.000	0.000	0.000	0.0000	4
108	1	I4	36.000	0.000	0.000	0.0000	4
110	A4	B4	60.500	0.000	0.000	0.0000	2
111	B4	C4	62.000	0.000	0.000	0.0000	2
112	C4	1FIL4	39.750	0.000	0.000	0.0000	2
113	1FIL4	E4	8.500	0.000	0.000	0.0000	2
114	E4	F4	48.250	0.000	0.000	0.0000	2
115	F4	2FIL4	24.000	0.000	0.000	0.0000	2
116	2FIL4	G4	24.000	0.000	0.000	0.0000	2
117	G4	H4	48.000	0.000	0.000	0.0000	2
118	H4	3FIL4	24.000	0.000	0.000	0.0000	2
119	3FIL4	I4	24.000	0.000	0.000	0.0000	2
120	I4	J4	48.000	0.000	0.000	0.0000	2
121	J4	4FIL4	24.000	0.000	0.000	0.0000	2
122	4FIL4	K4	24.000	0.000	0.000	0.0000	2
123	K4	L4	48.000	0.000	0.000	0.0000	2
125	M4	5FIL4	9.437	0.000	0.000	0.0000	2
126	5FIL4	N4	5.563	0.000	0.000	0.0000	2
127	N4	P4	84.000	0.000	0.000	0.0000	2
128	B4	B5	72.000	0.000	0.000	0.0000	4
129	C4	C5	72.000	0.000	0.000	0.0000	4
130	E4	E5	72.000	0.000	0.000	0.0000	4
131	F4	F5	72.000	0.000	0.000	0.0000	4
132	G4	G5	72.000	0.000	0.000	0.0000	4
134	H4	H5	72.000	0.000	0.000	0.0000	4
135	I4	I5	72.000	0.000	0.000	0.0000	4
137	J4	J5	72.000	0.000	0.000	0.0000	4
138	K4	K5	72.000	0.000	0.000	0.0000	4
140	L4	L5	72.000	0.000	0.000	0.0000	4
141	M4	M5	72.000	0.000	0.000	0.0000	4
142	N4	N5	72.000	0.000	0.000	0.0000	4
143	P4	P5	72.000	0.000	0.000	0.0000	4
144	A5	B5	60.500	0.000	0.000	0.0000	2
145	B5	C5	62.000	0.000	0.000	0.0000	2
146	C5	1FIL5	39.750	0.000	0.000	0.0000	2
147	1FIL5	E5	8.500	0.000	0.000	0.0000	2
148	E5	F5	48.250	0.000	0.000	0.0000	2
149	F5	2FIL5	24.000	0.000	0.000	0.0000	2
150	2FIL5	G5	24.000	0.000	0.000	0.0000	2
151	G5	H5	48.000	0.000	0.000	0.0000	2
152	H5	3FIL5	24.000	0.000	0.000	0.0000	2
153	3FIL5	I5	24.000	0.000	0.000	0.0000	2
154	I5	J5	48.000	0.000	0.000	0.0000	2
155	J5	4FIL5	24.000	0.000	0.000	0.0000	2
156	4FIL5	K5	24.000	0.000	0.000	0.0000	2
157	K5	L5	48.000	0.000	0.000	0.0000	2
159	M5	5FIL5	9.437	0.000	0.000	0.0000	2
160	5FIL5	N5	5.563	0.000	0.000	0.0000	2
161	N5	P5	84.000	0.000	0.000	0.0000	2
162	B5	B6	72.000	0.000	0.000	0.0000	4
163	C5	C6	72.000	0.000	0.000	0.0000	4
164	E5	E6	72.000	0.000	0.000	0.0000	4
166	F5	F6	72.000	0.000	0.000	0.0000	4
167	G5	G6	72.000	0.000	0.000	0.0000	4
169	G5	G6	72.000	0.000	0.000	0.0000	4
170	H5	H6	72.000	0.000	0.000	0.0000	4
171	I5	I6	72.000	0.000	0.000	0.0000	4

172	J5	J6	72.000	0.000	0.000	0.0000	4
173	K5	K6	72.000	0.000	0.000	0.0000	4
174	L5	L6	72.000	0.000	0.000	0.0000	4
176	M5	M6	72.000	0.000	0.000	0.0000	4
177	N5	N6	72.000	0.000	0.000	0.0000	4
178	P5	P6	72.000	0.000	0.000	0.0000	4
179	A6	B6	60.500	0.000	0.000	0.0000	2
180	B6	C6	62.000	0.000	0.000	0.0000	2
181	C6	1FIL6	39.750	0.000	0.000	0.0000	2
182	1FIL6	E6	8.500	0.000	0.000	0.0000	2
183	E6	F6	48.250	0.000	0.000	0.0000	2
184	F6	2FIL6	24.000	0.000	0.000	0.0000	2
185	2FIL6	G6	24.000	0.000	0.000	0.0000	2
186	G6	H6	48.000	0.000	0.000	0.0000	2
187	H6	3FIL6	24.000	0.000	0.000	0.0000	2
188	3FIL6	I6	24.000	0.000	0.000	0.0000	2
189	I6	J6	48.000	0.000	0.000	0.0000	2
190	J6	4FIL6	24.000	0.000	0.000	0.0000	2
191	4FIL6	K6	24.000	0.000	0.000	0.0000	2
192	K6	L6	48.000	0.000	0.000	0.0000	2
194	M6	5FIL6	9.437	0.000	0.000	0.0000	2
195	5FIL6	N6	5.563	0.000	0.000	0.0000	2
196	N6	P6	84.000	0.000	0.000	0.0000	2
197	B6	B7	72.000	0.000	0.000	0.0000	4
199	C6	C7	72.000	0.000	0.000	0.0000	4
200	E6	E7	72.000	0.000	0.000	0.0000	4
202	F6	F7	72.000	0.000	0.000	0.0000	4
204	G6	G7	72.000	0.000	0.000	0.0000	4
205	H6	H7	72.000	0.000	0.000	0.0000	4
207	I6	I7	72.000	0.000	0.000	0.0000	4
208	J6	J7	72.000	0.000	0.000	0.0000	4
210	K6	K7	72.000	0.000	0.000	0.0000	4
211	L6	L7	72.000	0.000	0.000	0.0000	4
212	M6	M7	72.000	0.000	0.000	0.0000	4
213	N6	N7	72.000	0.000	0.000	0.0000	4
215	P6	P7	72.000	0.000	0.000	0.0000	4
216	A7	B7	60.500	0.000	0.000	0.0000	2
217	B7	C7	62.000	0.000	0.000	0.0000	2
218	C7	1FIL7	39.750	0.000	0.000	0.0000	2
219	1FIL7	E7	8.500	0.000	0.000	0.0000	2
220	E7	F7	48.250	0.000	0.000	0.0000	2
221	F7	2FIL7	24.000	0.000	0.000	0.0000	2
222	2FIL7	G7	24.000	0.000	0.000	0.0000	2
223	G7	H7	48.000	0.000	0.000	0.0000	2
224	H7	3FIL7	24.000	0.000	0.000	0.0000	2
225	3FIL7	I7	24.000	0.000	0.000	0.0000	2
226	I7	J7	48.000	0.000	0.000	0.0000	2
227	J7	4FIL7	24.000	0.000	0.000	0.0000	2
228	4FIL7	K7	24.000	0.000	0.000	0.0000	2
229	K7	L7	48.000	0.000	0.000	0.0000	2
231	M7	5FIL7	9.437	0.000	0.000	0.0000	2
232	5FIL7	N7	5.563	0.000	0.000	0.0000	2
233	N7	O7	63.000	0.000	0.000	0.0000	2
234	O7	P7	21.000	0.000	0.000	0.0000	2
237	B7	B8	72.000	0.000	0.000	0.0000	4
239	C7	C8	72.000	0.000	0.000	0.0000	4
240	E7	E8	72.000	0.000	0.000	0.0000	4
241	F7	F8	72.000	0.000	0.000	0.0000	4
242	G7	G8	72.000	0.000	0.000	0.0000	4
243	H7	H8	72.000	0.000	0.000	0.0000	4
244	I7	I8	72.000	0.000	0.000	0.0000	4
245	J7	J8	72.000	0.000	0.000	0.0000	4
246	K7	K8	72.000	0.000	0.000	0.0000	4

247	L7	L8	72.000	0.000	0.000	0.0000	4
248	M7	M8	72.000	0.000	0.000	0.0000	4
249	N7	N8	72.000	0.000	0.000	0.0000	4
251	P7	P8	72.000	0.000	0.000	0.0000	4
254	A8	B8	60.500	0.000	0.000	0.0000	2
255	B8	C8	62.000	0.000	0.000	0.0000	2
256	C8	1FIL8	39.750	0.000	0.000	0.0000	2
257	1FIL8	E8	8.500	0.000	0.000	0.0000	2
258	E8	F8	48.250	0.000	0.000	0.0000	2
259	F8	2FIL8	24.000	0.000	0.000	0.0000	2
260	2FIL8	G8	24.000	0.000	0.000	0.0000	2
261	G8	H8	48.000	0.000	0.000	0.0000	2
262	H8	3FIL8	24.000	0.000	0.000	0.0000	2
263	3FIL8	I8	24.000	0.000	0.000	0.0000	2
264	I8	J8	48.000	0.000	0.000	0.0000	2
265	J8	4FIL8	24.000	0.000	0.000	0.0000	2
266	4FIL8	K8	24.000	0.000	0.000	0.0000	2
267	K8	L8	48.000	0.000	0.000	0.0000	2
269	M8	5FIL8	9.437	0.000	0.000	0.0000	2
270	5FIL8	N8	5.563	0.000	0.000	0.0000	2
271	N8	P8	84.000	0.000	0.000	0.0000	2
274	B8	B9	72.000	0.000	0.000	0.0000	4
276	C8	C9	72.000	0.000	0.000	0.0000	4
277	E8	E9	72.000	0.000	0.000	0.0000	4
278	F8	F9	72.000	0.000	0.000	0.0000	4
279	G8	G9	72.000	0.000	0.000	0.0000	4
280	H8	H9	72.000	0.000	0.000	0.0000	4
281	I8	I9	72.000	0.000	0.000	0.0000	4
282	J8	J9	72.000	0.000	0.000	0.0000	4
283	K8	K9	72.000	0.000	0.000	0.0000	4
284	L8	L9	72.000	0.000	0.000	0.0000	4
286	M8	M9	72.000	0.000	0.000	0.0000	4
287	N8	N9	72.000	0.000	0.000	0.0000	4
288	P8	P9	72.000	0.000	0.000	0.0000	4
291	A9	B9	60.500	0.000	0.000	0.0000	2
292	B9	C9	62.000	0.000	0.000	0.0000	2
293	C9	1FIL9	39.750	0.000	0.000	0.0000	2
294	1FIL9	E9	8.500	0.000	0.000	0.0000	2
295	E9	F9	48.250	0.000	0.000	0.0000	2
296	F9	2FIL9	24.000	0.000	0.000	0.0000	2
297	2FIL9	G9	24.000	0.000	0.000	0.0000	2
298	G9	H9	48.000	0.000	0.000	0.0000	2
299	H9	3FIL9	24.000	0.000	0.000	0.0000	2
300	3FIL9	I9	24.000	0.000	0.000	0.0000	2
301	I9	J9	48.000	0.000	0.000	0.0000	2
302	J9	4FIL9	24.000	0.000	0.000	0.0000	2
303	4FIL9	K9	24.000	0.000	0.000	0.0000	2
304	K9	L9	48.000	0.000	0.000	0.0000	2
306	M9	5FIL9	9.437	0.000	0.000	0.0000	2
307	5FIL9	N9	5.563	0.000	0.000	0.0000	2
308	N9	P9	84.000	0.000	0.000	0.0000	2
309	B9	B10	72.000	0.000	0.000	0.0000	4
311	C9	C10	72.000	0.000	0.000	0.0000	4
312	E9	E10	72.000	0.000	0.000	0.0000	4
314	F9	F10	72.000	0.000	0.000	0.0000	4
316	G9	G10	72.000	0.000	0.000	0.0000	4
317	H9	H10	72.000	0.000	0.000	0.0000	4
319	I9	I10	72.000	0.000	0.000	0.0000	4
320	J9	J10	72.000	0.000	0.000	0.0000	4
322	K9	K10	72.000	0.000	0.000	0.0000	4
324	L9	L10	72.000	0.000	0.000	0.0000	4
325	M9	M10	72.000	0.000	0.000	0.0000	4
326	N9	N10	72.000	0.000	0.000	0.0000	4

327	P9	P10	72.000	0.000	0.000	0.0000	4
328	A10	B10	60.500	0.000	0.000	0.0000	2
329	B10	C10	62.000	0.000	0.000	0.0000	2
330	C10	1FIL10	39.750	0.000	0.000	0.0000	2
331	1FIL10	E10	8.500	0.000	0.000	0.0000	2
332	E10	F10	48.250	0.000	0.000	0.0000	2
333	F10	2FIL10	24.000	0.000	0.000	0.0000	2
334	2FIL10	G10	24.000	0.000	0.000	0.0000	2
335	G10	H10	48.000	0.000	0.000	0.0000	2
336	H10	3FIL10	24.000	0.000	0.000	0.0000	2
337	3FIL10	I10	24.000	0.000	0.000	0.0000	2
338	I10	J10	48.000	0.000	0.000	0.0000	2
339	J10	4FIL10	24.000	0.000	0.000	0.0000	2
340	4FIL10	K10	24.000	0.000	0.000	0.0000	2
341	K10	L10	48.000	0.000	0.000	0.0000	2
343	M10	5FIL10	9.437	0.000	0.000	0.0000	2
344	5FIL10	N10	5.563	0.000	0.000	0.0000	2
345	N10	P10	84.000	0.000	0.000	0.0000	2
346	B10	B11	72.000	0.000	0.000	0.0000	4
347	C10	C11	72.000	0.000	0.000	0.0000	4
348	E10	E11	72.000	0.000	0.000	0.0000	4
350	F10	F11	72.000	0.000	0.000	0.0000	4
351	G10	G11	72.000	0.000	0.000	0.0000	4
353	H10	H11	72.000	0.000	0.000	0.0000	4
354	I10	I11	72.000	0.000	0.000	0.0000	4
356	J10	J11	72.000	0.000	0.000	0.0000	4
357	K10	K11	72.000	0.000	0.000	0.0000	4
358	L10	L11	72.000	0.000	0.000	0.0000	4
359	M10	M11	72.000	0.000	0.000	0.0000	4
360	N10	N11	72.000	0.000	0.000	0.0000	4
361	P10	P11	72.000	0.000	0.000	0.0000	4
362	A11	B11	60.500	0.000	0.000	0.0000	2
363	B11	C11	62.000	0.000	0.000	0.0000	2
364	C11	1FIL11	39.750	0.000	0.000	0.0000	2
365	1FIL11	E11	8.500	0.000	0.000	0.0000	2
366	E11	F11	48.250	0.000	0.000	0.0000	2
367	F11	2FIL11	24.000	0.000	0.000	0.0000	2
368	2FIL11	G11	24.000	0.000	0.000	0.0000	2
369	G11	H11	48.000	0.000	0.000	0.0000	2
370	H11	3FIL11	24.000	0.000	0.000	0.0000	2
371	3FIL11	I11	24.000	0.000	0.000	0.0000	2
372	I11	J11	48.000	0.000	0.000	0.0000	2
373	J11	4FIL11	24.000	0.000	0.000	0.0000	2
374	4FIL11	K11	24.000	0.000	0.000	0.0000	2
375	K11	L11	48.000	0.000	0.000	0.0000	2
377	M11	5FIL11	9.437	0.000	0.000	0.0000	2
378	5FIL11	N11	5.563	0.000	0.000	0.0000	2
379	N11	P11	84.000	0.000	0.000	0.0000	2
381	G11	2	36.000	0.000	0.000	0.0000	4
383	B11	B12	72.000	0.000	0.000	0.0000	4
384	C11	C12	72.000	0.000	0.000	0.0000	4
385	E11	E12	72.000	0.000	0.000	0.0000	4
386	F11	F12	72.000	0.000	0.000	0.0000	4
387	H11	H12	72.000	0.000	0.000	0.0000	4
388	I11	I12	72.000	0.000	0.000	0.0000	4
390	J11	J12	72.000	0.000	0.000	0.0000	4
391	K11	K12	72.000	0.000	0.000	0.0000	4
392	L11	L12	72.000	0.000	0.000	0.0000	4
393	M11	M12	72.000	0.000	0.000	0.0000	4
394	N11	N12	72.000	0.000	0.000	0.0000	4
395	P11	P12	72.000	0.000	0.000	0.0000	4
397	2	G12	36.000	0.000	0.000	0.0000	4
399	A12	B12	60.500	0.000	0.000	0.0000	2

400	B12	C12	62.000	0.000	0.000	0.0000	2
401	C12	1FIL12	39.750	0.000	0.000	0.0000	2
402	1FIL12	E12	8.500	0.000	0.000	0.0000	2
403	E12	F12	48.250	0.000	0.000	0.0000	2
404	F12	2FIL12	24.000	0.000	0.000	0.0000	2
405	2FIL12	G12	24.000	0.000	0.000	0.0000	2
406	G12	H12	48.000	0.000	0.000	0.0000	2
407	H12	3FIL12	24.000	0.000	0.000	0.0000	2
408	3FIL12	I12	24.000	0.000	0.000	0.0000	2
409	I12	J12	48.000	0.000	0.000	0.0000	2
410	J12	4FIL12	24.000	0.000	0.000	0.0000	2
411	4FIL12	K12	24.000	0.000	0.000	0.0000	2
412	K12	L12	48.000	0.000	0.000	0.0000	2
414	M12	5FIL12	9.437	0.000	0.000	0.0000	2
415	5FIL12	N12	5.563	0.000	0.000	0.0000	2
416	N12	P12	84.000	0.000	0.000	0.0000	2
417	B12	B13	72.000	0.000	0.000	0.0000	4
418	C12	C13	72.000	0.000	0.000	0.0000	4
419	E12	E13	72.000	0.000	0.000	0.0000	4
421	F12	F13	72.000	0.000	0.000	0.0000	4
422	G12	G13	72.000	0.000	0.000	0.0000	4
423	H12	H13	72.000	0.000	0.000	0.0000	4
424	I12	I13	72.000	0.000	0.000	0.0000	4
426	J12	J13	72.000	0.000	0.000	0.0000	4
427	K12	K13	72.000	0.000	0.000	0.0000	4
429	L12	L13	72.000	0.000	0.000	0.0000	4
430	M12	M13	72.000	0.000	0.000	0.0000	4
431	N12	N13	72.000	0.000	0.000	0.0000	4
432	P12	P13	72.000	0.000	0.000	0.0000	4
433	A13	B13	60.500	0.000	0.000	0.0000	2
434	B13	C13	62.000	0.000	0.000	0.0000	2
435	C13	1FIL13	39.750	0.000	0.000	0.0000	2
436	1FIL13	E13	8.500	0.000	0.000	0.0000	2
437	E13	F13	48.250	0.000	0.000	0.0000	2
438	F13	2FIL13	24.000	0.000	0.000	0.0000	2
439	2FIL13	G13	24.000	0.000	0.000	0.0000	2
440	G13	H13	48.000	0.000	0.000	0.0000	2
441	H13	3FIL13	24.000	0.000	0.000	0.0000	2
442	3FIL13	I13	24.000	0.000	0.000	0.0000	2
443	I13	J13	48.000	0.000	0.000	0.0000	2
444	J13	4FIL13	24.000	0.000	0.000	0.0000	2
445	4FIL13	K13	24.000	0.000	0.000	0.0000	2
446	K13	L13	48.000	0.000	0.000	0.0000	2
448	M13	5FIL13	9.437	0.000	0.000	0.0000	2
449	5FIL13	N13	5.563	0.000	0.000	0.0000	2
450	N13	P13	84.000	0.000	0.000	0.0000	2
451	B13	B14	72.000	0.000	0.000	0.0000	4
453	C13	C14	72.000	0.000	0.000	0.0000	4
454	E13	E14	72.000	0.000	0.000	0.0000	4
455	F13	F14	72.000	0.000	0.000	0.0000	4
457	G13	G14	72.000	0.000	0.000	0.0000	4
458	H13	H14	72.000	0.000	0.000	0.0000	4
460	I13	I14	72.000	0.000	0.000	0.0000	4
461	J13	J14	72.000	0.000	0.000	0.0000	4
463	K13	K14	72.000	0.000	0.000	0.0000	4
465	L13	L14	72.000	0.000	0.000	0.0000	4
467	M13	M14	72.000	0.000	0.000	0.0000	4
468	N13	N14	72.000	0.000	0.000	0.0000	4
469	P13	P14	72.000	0.000	0.000	0.0000	4
470	A14	B14	60.500	0.000	0.000	0.0000	2
471	B14	C14	62.000	0.000	0.000	0.0000	2
472	C14	1FIL14	39.750	0.000	0.000	0.0000	2
473	1FIL14	E14	8.500	0.000	0.000	0.0000	2

474	E14	F14	48.250	0.000	0.000	0.0000	2
475	F14	2FIL14	24.000	0.000	0.000	0.0000	2
476	2FIL14	G14	24.000	0.000	0.000	0.0000	2
477	G14	H14	48.000	0.000	0.000	0.0000	2
478	H14	3FIL14	24.000	0.000	0.000	0.0000	2
479	3FIL14	I14	24.000	0.000	0.000	0.0000	2
480	I14	J14	48.000	0.000	0.000	0.0000	2
481	J14	4FIL14	24.000	0.000	0.000	0.0000	2
482	4FIL14	K14	24.000	0.000	0.000	0.0000	2
483	K14	L14	48.000	0.000	0.000	0.0000	2
485	M14	5FIL14	9.437	0.000	0.000	0.0000	2
486	5FIL14	N14	5.563	0.000	0.000	0.0000	2
487	N14	P14	84.000	0.000	0.000	0.0000	2
489	B14	B15	72.000	0.000	0.000	0.0000	4
490	C14	C15	72.000	0.000	0.000	0.0000	4
491	E14	E15	72.000	0.000	0.000	0.0000	4
492	F14	F15	72.000	0.000	0.000	0.0000	4
493	G14	G15	72.000	0.000	0.000	0.0000	4
494	H14	H15	72.000	0.000	0.000	0.0000	4
495	I14	I15	72.000	0.000	0.000	0.0000	4
496	J14	J15	72.000	0.000	0.000	0.0000	4
497	K14	K15	72.000	0.000	0.000	0.0000	4
498	L14	L15	72.000	0.000	0.000	0.0000	4
500	M14	M15	72.000	0.000	0.000	0.0000	4
501	N14	N15	72.000	0.000	0.000	0.0000	4
503	P14	P15	72.000	0.000	0.000	0.0000	4
504	A15	B15	60.500	0.000	0.000	0.0000	2
505	B15	C15	62.000	0.000	0.000	0.0000	2
506	C15	1FIL15	39.750	0.000	0.000	0.0000	2
507	1FIL15	E15	8.500	0.000	0.000	0.0000	2
508	E15	F15	48.250	0.000	0.000	0.0000	2
509	F15	2FIL15	24.000	0.000	0.000	0.0000	2
510	2FIL15	G15	24.000	0.000	0.000	0.0000	2
511	G15	H15	48.000	0.000	0.000	0.0000	2
512	H15	3FIL15	24.000	0.000	0.000	0.0000	2
513	3FIL15	I15	24.000	0.000	0.000	0.0000	2
514	I15	J15	48.000	0.000	0.000	0.0000	2
515	J15	4FIL15	24.000	0.000	0.000	0.0000	2
516	4FIL15	K15	24.000	0.000	0.000	0.0000	2
517	K15	L15	48.000	0.000	0.000	0.0000	2
519	M15	5FIL15	9.437	0.000	0.000	0.0000	2
520	5FIL15	N15	5.563	0.000	0.000	0.0000	2
521	N15	O15	63.000	0.000	0.000	0.0000	2
522	O15	P15	21.000	0.000	0.000	0.0000	2
523	L1	DE1	24.000	0.000	0.000	0.0000	2
524	DE1	M1	24.000	0.000	0.000	0.0000	2
525	L2	DE2	24.000	0.000	0.000	0.0000	2
526	DE2	M2	24.000	0.000	0.000	0.0000	2
527	L3	DE3	24.000	0.000	0.000	0.0000	2
528	DE3	M3	24.000	0.000	0.000	0.0000	2
529	L4	DE4	24.000	0.000	0.000	0.0000	2
530	DE4	M4	24.000	0.000	0.000	0.0000	2
531	L5	DE5	24.000	0.000	0.000	0.0000	2
532	DE5	M5	24.000	0.000	0.000	0.0000	2
533	L6	DE6	24.000	0.000	0.000	0.0000	2
534	DE6	M6	24.000	0.000	0.000	0.0000	2
535	L7	DE7	24.000	0.000	0.000	0.0000	2
536	DE7	M7	24.000	0.000	0.000	0.0000	2
537	L8	DE8	24.000	0.000	0.000	0.0000	2
538	DE8	M8	24.000	0.000	0.000	0.0000	2
539	L9	DE9	24.000	0.000	0.000	0.0000	2
540	DE9	M9	24.000	0.000	0.000	0.0000	2
541	L10	DE10	24.000	0.000	0.000	0.0000	2

542	DE10	M10	24.000	0.000	0.000	0.0000	2
543	L11	DE11	24.000	0.000	0.000	0.0000	2
544	DE11	M11	24.000	0.000	0.000	0.0000	2
545	L12	DE12	24.000	0.000	0.000	0.0000	2
546	DE12	M12	24.000	0.000	0.000	0.0000	2
547	L13	DE13	24.000	0.000	0.000	0.0000	2
548	DE13	M13	24.000	0.000	0.000	0.0000	2
549	L14	DE14	24.000	0.000	0.000	0.0000	2
550	DE14	M14	24.000	0.000	0.000	0.0000	2
551	L15	DE15	24.000	0.000	0.000	0.0000	2
552	DE15	M15	24.000	0.000	0.000	0.0000	2

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 18
PROGRAM:SAP2000/FILE:\BentBDL.EKO

F R A M E E L E M E N T D A T A

ELEMENT LABEL	SECTION LABEL	LOCAL PLANE	COORD SYSTEM	PLN 1ST	PLN 2ND	PLANE JOINTA	PLANE JOINTB	COORD ANGLE
1	4X4	12	0	+Z	+X	0	0	0.00
2	4X4	12	0	+Z	+X	0	0	0.00
3	4X4	12	0	+Z	+X	0	0	0.00
4	4X4	12	0	+Z	+X	0	0	0.00
5	4X4	12	0	+Z	+X	0	0	0.00
6	4X4	12	0	+Z	+X	0	0	0.00
7	4X4	12	0	+Z	+X	0	0	0.00
8	4X4	12	0	+Z	+X	0	0	0.00
9	4X4	12	0	+Z	+X	0	0	0.00
10	4X4	12	0	+Z	+X	0	0	0.00
11	4X4	12	0	+Z	+X	0	0	0.00
12	4X4	12	0	+Z	+X	0	0	0.00
14	4X4	12	0	+Z	+X	0	0	0.00
15	4X4	12	0	+Z	+X	0	0	0.00
16	4X4	12	0	+Z	+X	0	0	0.00
17	4X4	12	0	+Z	+X	0	0	0.00
18	2X2X4	12	0	+Z	+X	0	0	0.00
19	2X2X8	12	0	+Z	+X	0	0	0.00
21	2X2X4	12	0	+Z	+X	0	0	0.00
22	2X2X4	12	0	+Z	+X	0	0	0.00
23	2X2X4	12	0	+Z	+X	0	0	0.00
24	2X2X4	12	0	+Z	+X	0	0	0.00
25	2X2X4	12	0	+Z	+X	0	0	0.00
26	2X2X4	12	0	+Z	+X	0	0	0.00
27	2X2X4	12	0	+Z	+X	0	0	0.00
29	2X2X4	12	0	+Z	+X	0	0	0.00
30	2X2X4	12	0	+Z	+X	0	0	0.00
32	2X8	12	0	+Z	+X	0	0	0.00
33	4X4	12	0	+Z	+X	0	0	0.00
34	4X4	12	0	+Z	+X	0	0	0.00
35	4X4	12	0	+Z	+X	0	0	0.00
36	4X4	12	0	+Z	+X	0	0	0.00
37	4X4	12	0	+Z	+X	0	0	0.00
38	4X4	12	0	+Z	+X	0	0	0.00
39	4X4	12	0	+Z	+X	0	0	0.00
40	4X4	12	0	+Z	+X	0	0	0.00
41	4X4	12	0	+Z	+X	0	0	0.00
42	4X4	12	0	+Z	+X	0	0	0.00
43	4X4	12	0	+Z	+X	0	0	0.00
44	4X4	12	0	+Z	+X	0	0	0.00
45	4X4	12	0	+Z	+X	0	0	0.00

46	4X4	12	0	+Z	+X	0	0	0.00
48	4X4	12	0	+Z	+X	0	0	0.00
49	4X4	12	0	+Z	+X	0	0	0.00
50	4X4	12	0	+Z	+X	0	0	0.00
51	2X2X4	12	0	+Z	+X	0	0	0.00
52	2X2X4	12	0	+Z	+X	0	0	0.00
53	2X2X4	12	0	+Z	+X	0	0	0.00
54	2X2X4	12	0	+Z	+X	0	0	0.00
56	2X2X4	12	0	+Z	+X	0	0	0.00
58	2X2X8	12	0	+Z	+X	0	0	0.00
59	2X2X4	12	0	+Z	+X	0	0	0.00
61	2X2X4	12	0	+Z	+X	0	0	0.00
62	2X2X4	12	0	+Z	+X	0	0	0.00
64	2X2X4	12	0	+Z	+X	0	0	0.00
66	2X2X4	12	0	+Z	+X	0	0	0.00
68	2X2X4	12	0	+Z	+X	0	0	0.00
69	2X2X4	12	0	+Z	+X	0	0	0.00
70	2X8	12	0	+Z	+X	0	0	0.00
71	4X4	12	0	+Z	+X	0	0	0.00
72	4X4	12	0	+Z	+X	0	0	0.00
73	4X4	12	0	+Z	+X	0	0	0.00
74	4X4	12	0	+Z	+X	0	0	0.00
75	4X4	12	0	+Z	+X	0	0	0.00
76	4X4	12	0	+Z	+X	0	0	0.00
77	4X4	12	0	+Z	+X	0	0	0.00
78	4X4	12	0	+Z	+X	0	0	0.00
79	4X4	12	0	+Z	+X	0	0	0.00
80	4X4	12	0	+Z	+X	0	0	0.00
81	4X4	12	0	+Z	+X	0	0	0.00
82	4X4	12	0	+Z	+X	0	0	0.00
83	4X4	12	0	+Z	+X	0	0	0.00
84	4X4	12	0	+Z	+X	0	0	0.00
86	4X4	12	0	+Z	+X	0	0	0.00
87	4X4	12	0	+Z	+X	0	0	0.00
88	4X4	12	0	+Z	+X	0	0	0.00
90	2X2X4	12	0	+Z	+X	0	0	0.00
91	2X2X8	12	0	+Z	+X	0	0	0.00
93	2X2X4	12	0	+Z	+X	0	0	0.00
94	2X2X4	12	0	+Z	+X	0	0	0.00
95	2X2X4	12	0	+Z	+X	0	0	0.00
96	2X2X4	12	0	+Z	+X	0	0	0.00
97	2X2X4	12	0	+Z	+X	0	0	0.00
98	2X2X4	12	0	+Z	+X	0	0	0.00
99	2X2X4	12	0	+Z	+X	0	0	0.00
100	2X2X4	12	0	+Z	+X	0	0	0.00
102	2X2X4	12	0	+Z	+X	0	0	0.00
103	2X2X4	12	0	+Z	+X	0	0	0.00
104	2X2X4	12	0	+Z	+X	0	0	0.00
105	2X8	12	0	+Z	+X	0	0	0.00
107	2X2X4	12	0	+Z	+X	0	0	0.00
108	2X2X8	12	0	+Z	+X	0	0	0.00
110	4X4	12	0	+Z	+X	0	0	0.00
111	4X4	12	0	+Z	+X	0	0	0.00
112	4X4	12	0	+Z	+X	0	0	0.00
113	4X4	12	0	+Z	+X	0	0	0.00
114	4X4	12	0	+Z	+X	0	0	0.00
115	4X4	12	0	+Z	+X	0	0	0.00
116	4X4	12	0	+Z	+X	0	0	0.00
117	4X4	12	0	+Z	+X	0	0	0.00
118	4X4	12	0	+Z	+X	0	0	0.00
119	4X4	12	0	+Z	+X	0	0	0.00
120	4X4	12	0	+Z	+X	0	0	0.00
121	4X4	12	0	+Z	+X	0	0	0.00

122	4X4	12	0	+Z	+X	0	0	0.00
123	4X4	12	0	+Z	+X	0	0	0.00
125	4X4	12	0	+Z	+X	0	0	0.00
126	4X4	12	0	+Z	+X	0	0	0.00
127	4X4	12	0	+Z	+X	0	0	0.00
128	2X2X4	12	0	+Z	+X	0	0	0.00
129	2X2X4	12	0	+Z	+X	0	0	0.00
130	2X2X4	12	0	+Z	+X	0	0	0.00
131	2X2X4	12	0	+Z	+X	0	0	0.00
132	2X2X4	12	0	+Z	+X	0	0	0.00
134	2X2X4	12	0	+Z	+X	0	0	0.00
135	2X2X4	12	0	+Z	+X	0	0	0.00
137	2X2X4	12	0	+Z	+X	0	0	0.00
138	2X2X4	12	0	+Z	+X	0	0	0.00
140	2X2X4	12	0	+Z	+X	0	0	0.00
141	2X2X4	12	0	+Z	+X	0	0	0.00
142	2X2X4	12	0	+Z	+X	0	0	0.00
143	2X8	12	0	+Z	+X	0	0	0.00
144	4X4	12	0	+Z	+X	0	0	0.00
145	4X4	12	0	+Z	+X	0	0	0.00
146	4X4	12	0	+Z	+X	0	0	0.00
147	4X4	12	0	+Z	+X	0	0	0.00
148	4X4	12	0	+Z	+X	0	0	0.00
149	4X4	12	0	+Z	+X	0	0	0.00
150	4X4	12	0	+Z	+X	0	0	0.00
151	4X4	12	0	+Z	+X	0	0	0.00
152	4X4	12	0	+Z	+X	0	0	0.00
153	4X4	12	0	+Z	+X	0	0	0.00
154	4X4	12	0	+Z	+X	0	0	0.00
155	4X4	12	0	+Z	+X	0	0	0.00
156	4X4	12	0	+Z	+X	0	0	0.00
157	4X4	12	0	+Z	+X	0	0	0.00
159	4X4	12	0	+Z	+X	0	0	0.00
160	4X4	12	0	+Z	+X	0	0	0.00
161	4X4	12	0	+Z	+X	0	0	0.00
162	2X2X4	12	0	+Z	+X	0	0	0.00
163	2X2X4	12	0	+Z	+X	0	0	0.00
164	2X2X4	12	0	+Z	+X	0	0	0.00
166	2X2X4	12	0	+Z	+X	0	0	0.00
167	2X2X4	12	0	+Z	+X	0	0	0.00
169	2X2X8	12	0	+Z	+X	0	0	0.00
170	2X2X4	12	0	+Z	+X	0	0	0.00
171	2X2X4	12	0	+Z	+X	0	0	0.00
172	2X2X4	12	0	+Z	+X	0	0	0.00
173	2X2X4	12	0	+Z	+X	0	0	0.00
174	2X2X4	12	0	+Z	+X	0	0	0.00
176	2X2X4	12	0	+Z	+X	0	0	0.00
177	2X2X4	12	0	+Z	+X	0	0	0.00
178	2X8	12	0	+Z	+X	0	0	0.00
179	4X4	12	0	+Z	+X	0	0	0.00
180	4X4	12	0	+Z	+X	0	0	0.00
181	4X4	12	0	+Z	+X	0	0	0.00
182	4X4	12	0	+Z	+X	0	0	0.00
183	4X4	12	0	+Z	+X	0	0	0.00
184	4X4	12	0	+Z	+X	0	0	0.00
185	4X4	12	0	+Z	+X	0	0	0.00
186	4X4	12	0	+Z	+X	0	0	0.00
187	4X4	12	0	+Z	+X	0	0	0.00
188	4X4	12	0	+Z	+X	0	0	0.00
189	4X4	12	0	+Z	+X	0	0	0.00
190	4X4	12	0	+Z	+X	0	0	0.00
191	4X4	12	0	+Z	+X	0	0	0.00
192	4X4	12	0	+Z	+X	0	0	0.00

194	4X4	12	0	+Z	+X	0	0	0.00
195	4X4	12	0	+Z	+X	0	0	0.00
196	4X4	12	0	+Z	+X	0	0	0.00
197	2X2X4	12	0	+Z	+X	0	0	0.00
199	2X2X4	12	0	+Z	+X	0	0	0.00
200	2X2X4	12	0	+Z	+X	0	0	0.00
202	2X2X4	12	0	+Z	+X	0	0	0.00
204	2X2X4	12	0	+Z	+X	0	0	0.00
205	2X2X4	12	0	+Z	+X	0	0	0.00
207	2X2X4	12	0	+Z	+X	0	0	0.00
208	2X2X4	12	0	+Z	+X	0	0	0.00
210	2X2X4	12	0	+Z	+X	0	0	0.00
211	2X2X4	12	0	+Z	+X	0	0	0.00
212	2X2X4	12	0	+Z	+X	0	0	0.00
213	2X2X4	12	0	+Z	+X	0	0	0.00
215	2X8	12	0	+Z	+X	0	0	0.00
216	4X4	12	0	+Z	+X	0	0	0.00
217	4X4	12	0	+Z	+X	0	0	0.00
218	4X4	12	0	+Z	+X	0	0	0.00
219	4X4	12	0	+Z	+X	0	0	0.00
220	4X4	12	0	+Z	+X	0	0	0.00
221	4X4	12	0	+Z	+X	0	0	0.00
222	4X4	12	0	+Z	+X	0	0	0.00
223	4X4	12	0	+Z	+X	0	0	0.00
224	4X4	12	0	+Z	+X	0	0	0.00
225	4X4	12	0	+Z	+X	0	0	0.00
226	4X4	12	0	+Z	+X	0	0	0.00
227	4X4	12	0	+Z	+X	0	0	0.00
228	4X4	12	0	+Z	+X	0	0	0.00
229	4X4	12	0	+Z	+X	0	0	0.00
231	4X4	12	0	+Z	+X	0	0	0.00
232	4X4	12	0	+Z	+X	0	0	0.00
233	4X4	12	0	+Z	+X	0	0	0.00
234	4X4	12	0	+Z	+X	0	0	0.00
237	2X2X4	12	0	+Z	+X	0	0	0.00
239	2X2X4	12	0	+Z	+X	0	0	0.00
240	2X2X4	12	0	+Z	+X	0	0	0.00
241	2X2X4	12	0	+Z	+X	0	0	0.00
242	2X2X4	12	0	+Z	+X	0	0	0.00
243	2X2X4	12	0	+Z	+X	0	0	0.00
244	2X2X4	12	0	+Z	+X	0	0	0.00
245	2X2X4	12	0	+Z	+X	0	0	0.00
246	2X2X4	12	0	+Z	+X	0	0	0.00
247	2X2X4	12	0	+Z	+X	0	0	0.00
248	2X2X4	12	0	+Z	+X	0	0	0.00
249	2X2X4	12	0	+Z	+X	0	0	0.00
251	2X8	12	0	+Z	+X	0	0	0.00
254	4X4	12	0	+Z	+X	0	0	0.00
255	4X4	12	0	+Z	+X	0	0	0.00
256	4X4	12	0	+Z	+X	0	0	0.00
257	4X4	12	0	+Z	+X	0	0	0.00
258	4X4	12	0	+Z	+X	0	0	0.00
259	4X4	12	0	+Z	+X	0	0	0.00
260	4X4	12	0	+Z	+X	0	0	0.00
261	4X4	12	0	+Z	+X	0	0	0.00
262	4X4	12	0	+Z	+X	0	0	0.00
263	4X4	12	0	+Z	+X	0	0	0.00
264	4X4	12	0	+Z	+X	0	0	0.00
265	4X4	12	0	+Z	+X	0	0	0.00
266	4X4	12	0	+Z	+X	0	0	0.00
267	4X4	12	0	+Z	+X	0	0	0.00
269	4X4	12	0	+Z	+X	0	0	0.00
270	4X4	12	0	+Z	+X	0	0	0.00

271	4X4	12	0	+Z	+X	0	0	0.00
274	2X2X4	12	0	+Z	+X	0	0	0.00
276	2X2X4	12	0	+Z	+X	0	0	0.00
277	2X2X4	12	0	+Z	+X	0	0	0.00
278	2X2X4	12	0	+Z	+X	0	0	0.00
279	2X2X4	12	0	+Z	+X	0	0	0.00
280	2X2X4	12	0	+Z	+X	0	0	0.00
281	2X2X4	12	0	+Z	+X	0	0	0.00
282	2X2X4	12	0	+Z	+X	0	0	0.00
283	2X2X4	12	0	+Z	+X	0	0	0.00
284	2X2X4	12	0	+Z	+X	0	0	0.00
286	2X2X4	12	0	+Z	+X	0	0	0.00
287	2X2X4	12	0	+Z	+X	0	0	0.00
288	2X8	12	0	+Z	+X	0	0	0.00
291	4X4	12	0	+Z	+X	0	0	0.00
292	4X4	12	0	+Z	+X	0	0	0.00
293	4X4	12	0	+Z	+X	0	0	0.00
294	4X4	12	0	+Z	+X	0	0	0.00
295	4X4	12	0	+Z	+X	0	0	0.00
296	4X4	12	0	+Z	+X	0	0	0.00
297	4X4	12	0	+Z	+X	0	0	0.00
298	4X4	12	0	+Z	+X	0	0	0.00
299	4X4	12	0	+Z	+X	0	0	0.00
300	4X4	12	0	+Z	+X	0	0	0.00
301	4X4	12	0	+Z	+X	0	0	0.00
302	4X4	12	0	+Z	+X	0	0	0.00
303	4X4	12	0	+Z	+X	0	0	0.00
304	4X4	12	0	+Z	+X	0	0	0.00
306	4X4	12	0	+Z	+X	0	0	0.00
307	4X4	12	0	+Z	+X	0	0	0.00
308	4X4	12	0	+Z	+X	0	0	0.00
309	2X2X4	12	0	+Z	+X	0	0	0.00
311	2X2X4	12	0	+Z	+X	0	0	0.00
312	2X2X4	12	0	+Z	+X	0	0	0.00
314	2X2X4	12	0	+Z	+X	0	0	0.00
316	2X2X4	12	0	+Z	+X	0	0	0.00
317	2X2X4	12	0	+Z	+X	0	0	0.00
319	2X2X4	12	0	+Z	+X	0	0	0.00
320	2X2X4	12	0	+Z	+X	0	0	0.00
322	2X2X4	12	0	+Z	+X	0	0	0.00
324	2X2X4	12	0	+Z	+X	0	0	0.00
325	2X2X4	12	0	+Z	+X	0	0	0.00
326	2X2X4	12	0	+Z	+X	0	0	0.00
327	2X8	12	0	+Z	+X	0	0	0.00
328	4X4	12	0	+Z	+X	0	0	0.00
329	4X4	12	0	+Z	+X	0	0	0.00
330	4X4	12	0	+Z	+X	0	0	0.00
331	4X4	12	0	+Z	+X	0	0	0.00
332	4X4	12	0	+Z	+X	0	0	0.00
333	4X4	12	0	+Z	+X	0	0	0.00
334	4X4	12	0	+Z	+X	0	0	0.00
335	4X4	12	0	+Z	+X	0	0	0.00
336	4X4	12	0	+Z	+X	0	0	0.00
337	4X4	12	0	+Z	+X	0	0	0.00
338	4X4	12	0	+Z	+X	0	0	0.00
339	4X4	12	0	+Z	+X	0	0	0.00
340	4X4	12	0	+Z	+X	0	0	0.00
341	4X4	12	0	+Z	+X	0	0	0.00
343	4X4	12	0	+Z	+X	0	0	0.00
344	4X4	12	0	+Z	+X	0	0	0.00
345	4X4	12	0	+Z	+X	0	0	0.00
346	2X2X4	12	0	+Z	+X	0	0	0.00
347	2X2X4	12	0	+Z	+X	0	0	0.00

348	2X2X4	12	0	+Z	+X	0	0	0.00
350	2X2X4	12	0	+Z	+X	0	0	0.00
351	2X2X4	12	0	+Z	+X	0	0	0.00
353	2X2X4	12	0	+Z	+X	0	0	0.00
354	2X2X4	12	0	+Z	+X	0	0	0.00
356	2X2X4	12	0	+Z	+X	0	0	0.00
357	2X2X4	12	0	+Z	+X	0	0	0.00
358	2X2X4	12	0	+Z	+X	0	0	0.00
359	2X2X4	12	0	+Z	+X	0	0	0.00
360	2X2X4	12	0	+Z	+X	0	0	0.00
361	2X8	12	0	+Z	+X	0	0	0.00
362	4X4	12	0	+Z	+X	0	0	0.00
363	4X4	12	0	+Z	+X	0	0	0.00
364	4X4	12	0	+Z	+X	0	0	0.00
365	4X4	12	0	+Z	+X	0	0	0.00
366	4X4	12	0	+Z	+X	0	0	0.00
367	4X4	12	0	+Z	+X	0	0	0.00
368	4X4	12	0	+Z	+X	0	0	0.00
369	4X4	12	0	+Z	+X	0	0	0.00
370	4X4	12	0	+Z	+X	0	0	0.00
371	4X4	12	0	+Z	+X	0	0	0.00
372	4X4	12	0	+Z	+X	0	0	0.00
373	4X4	12	0	+Z	+X	0	0	0.00
374	4X4	12	0	+Z	+X	0	0	0.00
375	4X4	12	0	+Z	+X	0	0	0.00
377	4X4	12	0	+Z	+X	0	0	0.00
378	4X4	12	0	+Z	+X	0	0	0.00
379	4X4	12	0	+Z	+X	0	0	0.00
381	2X2X4	12	0	+Z	+X	0	0	0.00
383	2X2X4	12	0	+Z	+X	0	0	0.00
384	2X2X4	12	0	+Z	+X	0	0	0.00
385	2X2X4	12	0	+Z	+X	0	0	0.00
386	2X2X4	12	0	+Z	+X	0	0	0.00
387	2X2X4	12	0	+Z	+X	0	0	0.00
388	2X2X4	12	0	+Z	+X	0	0	0.00
390	2X2X4	12	0	+Z	+X	0	0	0.00
391	2X2X4	12	0	+Z	+X	0	0	0.00
392	2X2X4	12	0	+Z	+X	0	0	0.00
393	2X2X4	12	0	+Z	+X	0	0	0.00
394	2X2X4	12	0	+Z	+X	0	0	0.00
395	2X8	12	0	+Z	+X	0	0	0.00
397	2X2X4	12	0	+Z	+X	0	0	0.00
399	4X4	12	0	+Z	+X	0	0	0.00
400	4X4	12	0	+Z	+X	0	0	0.00
401	4X4	12	0	+Z	+X	0	0	0.00
402	4X4	12	0	+Z	+X	0	0	0.00
403	4X4	12	0	+Z	+X	0	0	0.00
404	4X4	12	0	+Z	+X	0	0	0.00
405	4X4	12	0	+Z	+X	0	0	0.00
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407	4X4	12	0	+Z	+X	0	0	0.00
408	4X4	12	0	+Z	+X	0	0	0.00
409	4X4	12	0	+Z	+X	0	0	0.00
410	4X4	12	0	+Z	+X	0	0	0.00
411	4X4	12	0	+Z	+X	0	0	0.00
412	4X4	12	0	+Z	+X	0	0	0.00
414	4X4	12	0	+Z	+X	0	0	0.00
415	4X4	12	0	+Z	+X	0	0	0.00
416	4X4	12	0	+Z	+X	0	0	0.00
417	2X2X4	12	0	+Z	+X	0	0	0.00
418	2X2X4	12	0	+Z	+X	0	0	0.00
419	2X2X4	12	0	+Z	+X	0	0	0.00
421	2X2X4	12	0	+Z	+X	0	0	0.00

422	2X2X4	12	0	+Z	+X	0	0	0.00
423	2X2X4	12	0	+Z	+X	0	0	0.00
424	2X2X4	12	0	+Z	+X	0	0	0.00
426	2X2X4	12	0	+Z	+X	0	0	0.00
427	2X2X4	12	0	+Z	+X	0	0	0.00
429	2X2X4	12	0	+Z	+X	0	0	0.00
430	2X2X4	12	0	+Z	+X	0	0	0.00
431	2X2X4	12	0	+Z	+X	0	0	0.00
432	2X8	12	0	+Z	+X	0	0	0.00
433	4X4	12	0	+Z	+X	0	0	0.00
434	4X4	12	0	+Z	+X	0	0	0.00
435	4X4	12	0	+Z	+X	0	0	0.00
436	4X4	12	0	+Z	+X	0	0	0.00
437	4X4	12	0	+Z	+X	0	0	0.00
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445	4X4	12	0	+Z	+X	0	0	0.00
446	4X4	12	0	+Z	+X	0	0	0.00
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449	4X4	12	0	+Z	+X	0	0	0.00
450	4X4	12	0	+Z	+X	0	0	0.00
451	2X2X4	12	0	+Z	+X	0	0	0.00
453	2X2X4	12	0	+Z	+X	0	0	0.00
454	2X2X4	12	0	+Z	+X	0	0	0.00
455	2X2X4	12	0	+Z	+X	0	0	0.00
457	2X2X4	12	0	+Z	+X	0	0	0.00
458	2X2X4	12	0	+Z	+X	0	0	0.00
460	2X2X4	12	0	+Z	+X	0	0	0.00
461	2X2X4	12	0	+Z	+X	0	0	0.00
463	2X2X4	12	0	+Z	+X	0	0	0.00
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467	2X2X4	12	0	+Z	+X	0	0	0.00
468	2X2X4	12	0	+Z	+X	0	0	0.00
469	2X8	12	0	+Z	+X	0	0	0.00
470	4X4	12	0	+Z	+X	0	0	0.00
471	4X4	12	0	+Z	+X	0	0	0.00
472	4X4	12	0	+Z	+X	0	0	0.00
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474	4X4	12	0	+Z	+X	0	0	0.00
475	4X4	12	0	+Z	+X	0	0	0.00
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477	4X4	12	0	+Z	+X	0	0	0.00
478	4X4	12	0	+Z	+X	0	0	0.00
479	4X4	12	0	+Z	+X	0	0	0.00
480	4X4	12	0	+Z	+X	0	0	0.00
481	4X4	12	0	+Z	+X	0	0	0.00
482	4X4	12	0	+Z	+X	0	0	0.00
483	4X4	12	0	+Z	+X	0	0	0.00
485	4X4	12	0	+Z	+X	0	0	0.00
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487	4X4	12	0	+Z	+X	0	0	0.00
489	2X2X4	12	0	+Z	+X	0	0	0.00
490	2X2X4	12	0	+Z	+X	0	0	0.00
491	2X2X4	12	0	+Z	+X	0	0	0.00
492	2X2X4	12	0	+Z	+X	0	0	0.00
493	2X2X4	12	0	+Z	+X	0	0	0.00
494	2X2X4	12	0	+Z	+X	0	0	0.00
495	2X2X4	12	0	+Z	+X	0	0	0.00

496	2X2X4	12	0	+Z	+X	0	0	0.00
497	2X2X4	12	0	+Z	+X	0	0	0.00
498	2X2X4	12	0	+Z	+X	0	0	0.00
500	2X2X4	12	0	+Z	+X	0	0	0.00
501	2X2X4	12	0	+Z	+X	0	0	0.00
503	2X8	12	0	+Z	+X	0	0	0.00
504	4X4	12	0	+Z	+X	0	0	0.00
505	4X4	12	0	+Z	+X	0	0	0.00
506	4X4	12	0	+Z	+X	0	0	0.00
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517	4X4	12	0	+Z	+X	0	0	0.00
519	4X4	12	0	+Z	+X	0	0	0.00
520	4X4	12	0	+Z	+X	0	0	0.00
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529	4X4	12	0	+Z	+X	0	0	0.00
530	4X4	12	0	+Z	+X	0	0	0.00
531	4X4	12	0	+Z	+X	0	0	0.00
532	4X4	12	0	+Z	+X	0	0	0.00
533	4X4	12	0	+Z	+X	0	0	0.00
534	4X4	12	0	+Z	+X	0	0	0.00
535	4X4	12	0	+Z	+X	0	0	0.00
536	4X4	12	0	+Z	+X	0	0	0.00
537	4X4	12	0	+Z	+X	0	0	0.00
538	4X4	12	0	+Z	+X	0	0	0.00
539	4X4	12	0	+Z	+X	0	0	0.00
540	4X4	12	0	+Z	+X	0	0	0.00
541	4X4	12	0	+Z	+X	0	0	0.00
542	4X4	12	0	+Z	+X	0	0	0.00
543	4X4	12	0	+Z	+X	0	0	0.00
544	4X4	12	0	+Z	+X	0	0	0.00
545	4X4	12	0	+Z	+X	0	0	0.00
546	4X4	12	0	+Z	+X	0	0	0.00
547	4X4	12	0	+Z	+X	0	0	0.00
548	4X4	12	0	+Z	+X	0	0	0.00
549	4X4	12	0	+Z	+X	0	0	0.00
550	4X4	12	0	+Z	+X	0	0	0.00
551	4X4	12	0	+Z	+X	0	0	0.00
552	4X4	12	0	+Z	+X	0	0	0.00

F R A M E E L E M E N T D A T A

ELEMENT END-I RELEASE CODES END-J RELEASE CODES

LABEL				
18	R2	R3	R2	R3
19	R2	R3	R2	R3
21	R2	R3	R2	R3
22	R2	R3	R2	R3
23	R2	R3	R2	R3
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25	R2	R3	R2	R3
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53	R2	R3	R2	R3
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56	R2	R3	R2	R3
58	R2	R3	R2	R3
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61	R2	R3	R2	R3
62	R2	R3	R2	R3
64	R2	R3	R2	R3
66	R2	R3	R2	R3
68	R2	R3	R2	R3
69	R2	R3	R2	R3
70	R2	R3	R2	R3
90	R2	R3		
91	R2	R3		
93	R2	R3	R2	R3
94	R2	R3	R2	R3
95	R2	R3	R2	R3
96	R2	R3	R2	R3
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103	R2	R3	R2	R3
104	R2	R3	R2	R3
105	R2	R3	R2	R3
107			R2	R3
108			R2	R3
128	R2	R3	R2	R3
129	R2	R3	R2	R3
130	R2	R3	R2	R3
131	R2	R3	R2	R3
132	R2	R3	R2	R3
134	R2	R3	R2	R3
135	R2	R3	R2	R3
137	R2	R3	R2	R3
138	R2	R3	R2	R3
140	R2	R3	R2	R3
141	R2	R3	R2	R3
142	R2	R3	R2	R3
143	R2	R3	R2	R3
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163	R2	R3	R2	R3
164	R2	R3	R2	R3
166	R2	R3	R2	R3
167	R2	R3	R2	R3
169	R2	R3	R2	R3

170	R2	R3	R2	R3
171	R2	R3	R2	R3
172	R2	R3	R2	R3
173	R2	R3	R2	R3
174	R2	R3	R2	R3
176	R2	R3	R2	R3
177	R2	R3	R2	R3
178	R2	R3	R2	R3
197	R2	R3	R2	R3
199	R2	R3	R2	R3
200	R2	R3	R2	R3
202	R2	R3	R2	R3
204	R2	R3	R2	R3
205	R2	R3	R2	R3
207	R2	R3	R2	R3
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251	R2	R3	R2	R3
274	R2	R3	R2	R3
276	R2	R3	R2	R3
277	R2	R3	R2	R3
278	R2	R3	R2	R3
279	R2	R3	R2	R3
280	R2	R3	R2	R3
281	R2	R3	R2	R3
282	R2	R3	R2	R3
283	R2	R3	R2	R3
284	R2	R3	R2	R3
286	R2	R3	R2	R3
287	R2	R3	R2	R3
288	R2	R3	R2	R3
309	R2	R3	R2	R3
311	R2	R3	R2	R3
312	R2	R3	R2	R3
314	R2	R3	R2	R3
316	R2	R3	R2	R3
317	R2	R3	R2	R3
319	R2	R3	R2	R3
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322	R2	R3	R2	R3
324	R2	R3	R2	R3
325	R2	R3	R2	R3
326	R2	R3	R2	R3
327	R2	R3	R2	R3
346	R2	R3	R2	R3
347	R2	R3	R2	R3
348	R2	R3	R2	R3

350	R2	R3	R2	R3
351	R2	R3	R2	R3
353	R2	R3	R2	R3
354	R2	R3	R2	R3
356	R2	R3	R2	R3
357	R2	R3	R2	R3
358	R2	R3	R2	R3
359	R2	R3	R2	R3
360	R2	R3	R2	R3
361	R2	R3	R2	R3
381	R2	R3		
383	R2	R3	R2	R3
384	R2	R3	R2	R3
385	R2	R3	R2	R3
386	R2	R3	R2	R3
387	R2	R3	R2	R3
388	R2	R3	R2	R3
390	R2	R3	R2	R3
391	R2	R3	R2	R3
392	R2	R3	R2	R3
393	R2	R3	R2	R3
394	R2	R3	R2	R3
395	R2	R3	R2	R3
397			R2	R3
417	R2	R3	R2	R3
418	R2	R3	R2	R3
419	R2	R3	R2	R3
421	R2	R3	R2	R3
422	R2	R3	R2	R3
423	R2	R3	R2	R3
424	R2	R3	R2	R3
426	R2	R3	R2	R3
427	R2	R3	R2	R3
429	R2	R3	R2	R3
430	R2	R3	R2	R3
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453	R2	R3	R2	R3
454	R2	R3	R2	R3
455	R2	R3	R2	R3
457	R2	R3	R2	R3
458	R2	R3	R2	R3
460	R2	R3	R2	R3
461	R2	R3	R2	R3
463	R2	R3	R2	R3
465	R2	R3	R2	R3
467	R2	R3	R2	R3
468	R2	R3	R2	R3
469	R2	R3	R2	R3
489	R2	R3	R2	R3
490	R2	R3	R2	R3
491	R2	R3	R2	R3
492	R2	R3	R2	R3
493	R2	R3	R2	R3
494	R2	R3	R2	R3
495	R2	R3	R2	R3
496	R2	R3	R2	R3
497	R2	R3	R2	R3
498	R2	R3	R2	R3
500	R2	R3	R2	R3
501	R2	R3	R2	R3
503	R2	R3	R2	R3

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 20
PROGRAM:SAP2000/FILE:\BentBDL.EKO

T O T A L W E I G H T S A N D M A S S E S

SECTION LABEL	WEIGHT	MASS
4X4	2192.7502	5.6749
2X2X4	2324.0002	6.0146
2X8	203.0000	0.5254
2X2X8	116.0000	0.3002
TOTAL	4835.7504	12.5150

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 21
PROGRAM:SAP2000/FILE:\BentBDL.EKO

L O A D C O N D I T I O N DEAD

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.1000E+01

L O A D C O N D I T I O N MANIFOLD

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
N1	0.000E+00	0.000E+00	-0.189E+04	0.000E+00	0.000E+00	0.000E+00
N2	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N3	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N4	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N5	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N6	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N7	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N8	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N9	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N10	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N11	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N12	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N13	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N14	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N15	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N TBAR

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
1FIL1	0.000E+00	0.000E+00	-0.129E+03	0.000E+00	0.000E+00	0.000E+00
1FIL2	0.000E+00	0.000E+00	-0.258E+03	0.000E+00	0.000E+00	0.000E+00

1FIL3	0.000E+00	0.000E+00	-0.258E+03	0.000E+00	0.000E+00	0.000E+00
1FIL4	0.000E+00	0.000E+00	-0.258E+03	0.000E+00	0.000E+00	0.000E+00
1FIL5	0.000E+00	0.000E+00	-0.258E+03	0.000E+00	0.000E+00	0.000E+00
1FIL6	0.000E+00	0.000E+00	-0.258E+03	0.000E+00	0.000E+00	0.000E+00
1FIL7	0.000E+00	0.000E+00	-0.258E+03	0.000E+00	0.000E+00	0.000E+00
1FIL8	0.000E+00	0.000E+00	-0.258E+03	0.000E+00	0.000E+00	0.000E+00
1FIL9	0.000E+00	0.000E+00	-0.258E+03	0.000E+00	0.000E+00	0.000E+00
2FIL1	0.000E+00	0.000E+00	-0.295E+03	0.000E+00	0.000E+00	0.000E+00
2FIL2	0.000E+00	0.000E+00	-0.589E+03	0.000E+00	0.000E+00	0.000E+00
2FIL3	0.000E+00	0.000E+00	-0.589E+03	0.000E+00	0.000E+00	0.000E+00
2FIL4	0.000E+00	0.000E+00	-0.589E+03	0.000E+00	0.000E+00	0.000E+00
2FIL5	0.000E+00	0.000E+00	-0.589E+03	0.000E+00	0.000E+00	0.000E+00
2FIL6	0.000E+00	0.000E+00	-0.589E+03	0.000E+00	0.000E+00	0.000E+00
2FIL7	0.000E+00	0.000E+00	-0.589E+03	0.000E+00	0.000E+00	0.000E+00
2FIL8	0.000E+00	0.000E+00	-0.589E+03	0.000E+00	0.000E+00	0.000E+00
2FIL9	0.000E+00	0.000E+00	-0.589E+03	0.000E+00	0.000E+00	0.000E+00
3FIL1	0.000E+00	0.000E+00	-0.299E+03	0.000E+00	0.000E+00	0.000E+00
3FIL2	0.000E+00	0.000E+00	-0.597E+03	0.000E+00	0.000E+00	0.000E+00
3FIL3	0.000E+00	0.000E+00	-0.597E+03	0.000E+00	0.000E+00	0.000E+00
3FIL4	0.000E+00	0.000E+00	-0.597E+03	0.000E+00	0.000E+00	0.000E+00
3FIL5	0.000E+00	0.000E+00	-0.597E+03	0.000E+00	0.000E+00	0.000E+00
3FIL6	0.000E+00	0.000E+00	-0.597E+03	0.000E+00	0.000E+00	0.000E+00
3FIL7	0.000E+00	0.000E+00	-0.597E+03	0.000E+00	0.000E+00	0.000E+00
3FIL8	0.000E+00	0.000E+00	-0.597E+03	0.000E+00	0.000E+00	0.000E+00
3FIL9	0.000E+00	0.000E+00	-0.597E+03	0.000E+00	0.000E+00	0.000E+00
4FIL1	0.000E+00	0.000E+00	-0.284E+03	0.000E+00	0.000E+00	0.000E+00
4FIL2	0.000E+00	0.000E+00	-0.568E+03	0.000E+00	0.000E+00	0.000E+00
4FIL3	0.000E+00	0.000E+00	-0.568E+03	0.000E+00	0.000E+00	0.000E+00
4FIL4	0.000E+00	0.000E+00	-0.568E+03	0.000E+00	0.000E+00	0.000E+00
4FIL5	0.000E+00	0.000E+00	-0.568E+03	0.000E+00	0.000E+00	0.000E+00
4FIL6	0.000E+00	0.000E+00	-0.568E+03	0.000E+00	0.000E+00	0.000E+00
4FIL7	0.000E+00	0.000E+00	-0.568E+03	0.000E+00	0.000E+00	0.000E+00
4FIL8	0.000E+00	0.000E+00	-0.568E+03	0.000E+00	0.000E+00	0.000E+00
4FIL9	0.000E+00	0.000E+00	-0.568E+03	0.000E+00	0.000E+00	0.000E+00
5FIL1	0.000E+00	0.000E+00	-0.810E+02	0.000E+00	0.000E+00	0.000E+00
5FIL2	0.000E+00	0.000E+00	-0.162E+03	0.000E+00	0.000E+00	0.000E+00
5FIL3	0.000E+00	0.000E+00	-0.162E+03	0.000E+00	0.000E+00	0.000E+00
5FIL4	0.000E+00	0.000E+00	-0.162E+03	0.000E+00	0.000E+00	0.000E+00
5FIL5	0.000E+00	0.000E+00	-0.162E+03	0.000E+00	0.000E+00	0.000E+00
5FIL6	0.000E+00	0.000E+00	-0.162E+03	0.000E+00	0.000E+00	0.000E+00
5FIL7	0.000E+00	0.000E+00	-0.162E+03	0.000E+00	0.000E+00	0.000E+00
5FIL8	0.000E+00	0.000E+00	-0.162E+03	0.000E+00	0.000E+00	0.000E+00
5FIL9	0.000E+00	0.000E+00	-0.162E+03	0.000E+00	0.000E+00	0.000E+00
1FIL10	0.000E+00	0.000E+00	-0.258E+03	0.000E+00	0.000E+00	0.000E+00
1FIL11	0.000E+00	0.000E+00	-0.258E+03	0.000E+00	0.000E+00	0.000E+00
1FIL12	0.000E+00	0.000E+00	-0.258E+03	0.000E+00	0.000E+00	0.000E+00
1FIL13	0.000E+00	0.000E+00	-0.258E+03	0.000E+00	0.000E+00	0.000E+00
1FIL14	0.000E+00	0.000E+00	-0.258E+03	0.000E+00	0.000E+00	0.000E+00
1FIL15	0.000E+00	0.000E+00	-0.258E+03	0.000E+00	0.000E+00	0.000E+00
2FIL10	0.000E+00	0.000E+00	-0.589E+03	0.000E+00	0.000E+00	0.000E+00
2FIL11	0.000E+00	0.000E+00	-0.589E+03	0.000E+00	0.000E+00	0.000E+00
2FIL12	0.000E+00	0.000E+00	-0.589E+03	0.000E+00	0.000E+00	0.000E+00
2FIL13	0.000E+00	0.000E+00	-0.589E+03	0.000E+00	0.000E+00	0.000E+00
2FIL14	0.000E+00	0.000E+00	-0.589E+03	0.000E+00	0.000E+00	0.000E+00
2FIL15	0.000E+00	0.000E+00	-0.589E+03	0.000E+00	0.000E+00	0.000E+00
3FIL10	0.000E+00	0.000E+00	-0.597E+03	0.000E+00	0.000E+00	0.000E+00
3FIL11	0.000E+00	0.000E+00	-0.597E+03	0.000E+00	0.000E+00	0.000E+00
3FIL12	0.000E+00	0.000E+00	-0.597E+03	0.000E+00	0.000E+00	0.000E+00
3FIL13	0.000E+00	0.000E+00	-0.597E+03	0.000E+00	0.000E+00	0.000E+00
3FIL14	0.000E+00	0.000E+00	-0.597E+03	0.000E+00	0.000E+00	0.000E+00
3FIL15	0.000E+00	0.000E+00	-0.597E+03	0.000E+00	0.000E+00	0.000E+00
4FIL10	0.000E+00	0.000E+00	-0.568E+03	0.000E+00	0.000E+00	0.000E+00
4FIL11	0.000E+00	0.000E+00	-0.568E+03	0.000E+00	0.000E+00	0.000E+00

4FIL12	0.000E+00	0.000E+00	-0.568E+03	0.000E+00	0.000E+00	0.000E+00
4FIL13	0.000E+00	0.000E+00	-0.568E+03	0.000E+00	0.000E+00	0.000E+00
4FIL14	0.000E+00	0.000E+00	-0.568E+03	0.000E+00	0.000E+00	0.000E+00
4FIL15	0.000E+00	0.000E+00	-0.568E+03	0.000E+00	0.000E+00	0.000E+00
5FIL10	0.000E+00	0.000E+00	-0.162E+03	0.000E+00	0.000E+00	0.000E+00
5FIL11	0.000E+00	0.000E+00	-0.162E+03	0.000E+00	0.000E+00	0.000E+00
5FIL12	0.000E+00	0.000E+00	-0.162E+03	0.000E+00	0.000E+00	0.000E+00
5FIL13	0.000E+00	0.000E+00	-0.162E+03	0.000E+00	0.000E+00	0.000E+00
5FIL14	0.000E+00	0.000E+00	-0.162E+03	0.000E+00	0.000E+00	0.000E+00
5FIL15	0.000E+00	0.000E+00	-0.162E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N TOPCOVER

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
P1	0.000E+00	0.000E+00	-0.873E+03	0.000E+00	0.000E+00	0.000E+00
P2	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00
P3	0.000E+00	0.000E+00	-0.153E+04	0.000E+00	0.000E+00	0.000E+00
P4	0.000E+00	0.000E+00	-0.109E+04	0.000E+00	0.000E+00	0.000E+00
P5	0.000E+00	0.000E+00	-0.109E+04	0.000E+00	0.000E+00	0.000E+00
P6	0.000E+00	0.000E+00	-0.153E+04	0.000E+00	0.000E+00	0.000E+00
P7	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00
P8	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00
P9	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.153E+04	0.000E+00	0.000E+00	0.000E+00
P11	0.000E+00	0.000E+00	-0.109E+04	0.000E+00	0.000E+00	0.000E+00
P12	0.000E+00	0.000E+00	-0.109E+04	0.000E+00	0.000E+00	0.000E+00
P13	0.000E+00	0.000E+00	-0.153E+04	0.000E+00	0.000E+00	0.000E+00
P14	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00
P15	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N PEWALLS

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
D1	0.000E+00	0.000E+00	-0.330E+02	0.000E+00	0.000E+00	0.000E+00
E1	0.000E+00	0.000E+00	-0.940E+02	0.000E+00	0.000E+00	0.000E+00
E8	0.000E+00	0.000E+00	-0.221E+03	0.000E+00	0.000E+00	0.000E+00
F1	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
F8	0.000E+00	0.000E+00	-0.284E+03	0.000E+00	0.000E+00	0.000E+00
G1	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
G8	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
H1	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
H8	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
I1	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
I8	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
J1	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
J8	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
K1	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
K8	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
L1	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
L8	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
M1	0.000E+00	0.000E+00	-0.790E+02	0.000E+00	0.000E+00	0.000E+00

M8	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
N1	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
N8	0.000E+00	0.000E+00	-0.292E+03	0.000E+00	0.000E+00	0.000E+00
P1	0.000E+00	0.000E+00	-0.105E+03	0.000E+00	0.000E+00	0.000E+00
P8	0.000E+00	0.000E+00	-0.248E+03	0.000E+00	0.000E+00	0.000E+00
E15	0.000E+00	0.000E+00	-0.221E+03	0.000E+00	0.000E+00	0.000E+00
F15	0.000E+00	0.000E+00	-0.284E+03	0.000E+00	0.000E+00	0.000E+00
G15	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
H15	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
I15	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
J15	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
K15	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
L15	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
M15	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
N15	0.000E+00	0.000E+00	-0.292E+03	0.000E+00	0.000E+00	0.000E+00
P15	0.000E+00	0.000E+00	-0.248E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N HOTBASIN

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
N1	0.000E+00	0.000E+00	-0.414E+03	0.000E+00	0.000E+00	0.000E+00
N2	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N3	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N4	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N5	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N6	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N7	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N8	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N9	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N10	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N11	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N12	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N13	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N14	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N15	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N DRIFTELM

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
DE1	0.000E+00	0.000E+00	-0.280E+02	0.000E+00	0.000E+00	0.000E+00
DE2	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00
DE3	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00
DE4	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00
DE5	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00
DE6	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00
DE7	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00
DE8	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00
DE9	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00
DE10	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00
DE11	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00
DE12	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00

DE13	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00
DE14	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00
DE15	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00
4FIL1	0.000E+00	0.000E+00	-0.270E+02	0.000E+00	0.000E+00	0.000E+00
4FIL2	0.000E+00	0.000E+00	-0.540E+02	0.000E+00	0.000E+00	0.000E+00
4FIL3	0.000E+00	0.000E+00	-0.540E+02	0.000E+00	0.000E+00	0.000E+00
4FIL4	0.000E+00	0.000E+00	-0.540E+02	0.000E+00	0.000E+00	0.000E+00
4FIL5	0.000E+00	0.000E+00	-0.540E+02	0.000E+00	0.000E+00	0.000E+00
4FIL6	0.000E+00	0.000E+00	-0.540E+02	0.000E+00	0.000E+00	0.000E+00
4FIL7	0.000E+00	0.000E+00	-0.540E+02	0.000E+00	0.000E+00	0.000E+00
4FIL8	0.000E+00	0.000E+00	-0.540E+02	0.000E+00	0.000E+00	0.000E+00
4FIL9	0.000E+00	0.000E+00	-0.540E+02	0.000E+00	0.000E+00	0.000E+00
4FIL10	0.000E+00	0.000E+00	-0.540E+02	0.000E+00	0.000E+00	0.000E+00
4FIL11	0.000E+00	0.000E+00	-0.540E+02	0.000E+00	0.000E+00	0.000E+00
4FIL12	0.000E+00	0.000E+00	-0.540E+02	0.000E+00	0.000E+00	0.000E+00
4FIL13	0.000E+00	0.000E+00	-0.540E+02	0.000E+00	0.000E+00	0.000E+00
4FIL14	0.000E+00	0.000E+00	-0.540E+02	0.000E+00	0.000E+00	0.000E+00
4FIL15	0.000E+00	0.000E+00	-0.540E+02	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N FANMOTOR

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
P3	0.000E+00	0.000E+00	-0.425E+03	0.000E+00	0.000E+00	0.000E+00
P4	0.000E+00	0.000E+00	-0.127E+04	0.000E+00	0.000E+00	0.000E+00
P5	0.000E+00	0.000E+00	-0.127E+04	0.000E+00	0.000E+00	0.000E+00
P6	0.000E+00	0.000E+00	-0.425E+03	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.425E+03	0.000E+00	0.000E+00	0.000E+00
P11	0.000E+00	0.000E+00	-0.127E+04	0.000E+00	0.000E+00	0.000E+00
P12	0.000E+00	0.000E+00	-0.127E+04	0.000E+00	0.000E+00	0.000E+00
P13	0.000E+00	0.000E+00	-0.425E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N CABLETRY

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

L O A D C O N D I T I O N LOUVERWL

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

L O A D C O N D I T I O N SECDIST

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
DE3	0.000E+00	0.000E+00	-0.320E+03	0.000E+00	0.000E+00	0.000E+00
DE4	0.000E+00	0.000E+00	-0.160E+03	0.000E+00	0.000E+00	0.000E+00

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L O A D C O M B I N A T I O N M U L T I P L I E R S

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 COMBO LABEL               DEADLOAD
 COMBO TYPE                     ABS

                 LOAD MODE    SPEC    HIST    MOVE   COMBO     SCALE
                LABEL  NUM   LABEL   LABEL   LABEL   LABEL    FACTOR

                 DEAD                                          1.000
             MANIFOLD                                          1.000
                 TBAR                                          1.000
             TOPCOVER                                          1.000
              PEWALLS                                          1.000
             HOTBASIN                                          1.000
             DRIFTELM                                          1.000
             FANMOTOR                                          1.000
             CABLETRY                                          1.000
             LOUVERWL                                          1.000
              SECDIST                                          1.000


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 O U T P U T   S E L E C T I O N

 DISPLACEMENTS AT JOINTS

      LOAD     MODES      SPEC      HIST      MOVE      COMB
     LABEL               LABEL     LABEL     LABEL     LABEL

                                                       DEADLOAD

 REACTIONS AT JOINTS

      LOAD     MODES      SPEC      HIST      MOVE      COMB
     LABEL               LABEL     LABEL     LABEL     LABEL

      DEAD
  MANIFOLD
      TBAR
  TOPCOVER
   PEWALLS
  HOTBASIN
  DRIFTELM
  FANMOTOR
  CABLETRY
  LOUVERWL
   SECDIST
                                                       DEADLOAD

 INTERNAL FORCES AT ELEMENT FRAME

      LOAD     MODES      SPEC      HIST      MOVE      COMB
     LABEL               LABEL     LABEL     LABEL     LABEL

                                                       DEADLOAD


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 I N P U T   C O M P L E T E
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Program SAP2000 Nonlinear Version 7.40                      File:Bent B DL.LOG



B E G I N   A N A L Y S I S                              2005/04/04  17:20:16

MAXIMUM MEMORY BLOCK SIZE (BYTES)         =       7.629 MB


E L E M E N T   F O R M A T I O N                                    17:21:57

NUMBER OF JOINT  ELEMENTS FORMED          =         148
NUMBER OF SPRING ELEMENTS FORMED          =           2
NUMBER OF FRAME  ELEMENTS FORMED          =         473
NUMBER OF CONSTRAINTS FORMED              =          18


E Q U A T I O N   S O L U T I O N                                    17:21:59

TOTAL NUMBER OF EQUILIBRIUM EQUATIONS     =         846
APPROXIMATE "EFFECTIVE" BAND WIDTH        =          33

NUMBER OF EQUATION STORAGE BLOCKS         =           1
MAXIMUM BLOCK SIZE (8-BYTE TERMS)         =       28451
SIZE OF STIFFNESS FILE(S) (BYTES)         =     225.594 KB

NUMBER OF EQUATIONS TO SOLVE              =         846
NUMBER OF STATIC LOAD CASES               =          11
NUMBER OF ACCELERATION LOADS              =           6
NUMBER OF NONLINEAR DEFORMATION LOADS     =           0


J O I N T   O U T P U T                                              17:22:00

G L O B A L   F O R C E   B A L A N C E   R E L A T I V E   E R R O R S

PERCENT FORCE AND MOMENT ERROR AT THE ORIGIN, IN GLOBAL COORDINATES

   LOAD          FX          FY          FZ          MX          MY          MZ
   DEAD     .000000    1.75E-31    2.26E-13    1.81E-14    5.42E-14    2.24E-31
MANIFOLD    .000000     .000000    9.27E-14    2.07E-14    2.54E-14     .000000
   TBAR     .000000     .000000    4.62E-14    1.25E-14    9.42E-14     .000000
TOPCOVER    .000000     .000000    8.33E-14    2.00E-14    1.60E-14     .000000
 PEWALLS    .000000     .000000    1.34E-13    2.63E-14    1.47E-13     .000000
HOTBASIN    .000000     .000000    1.06E-13    2.36E-14    2.18E-14     .000000
DRIFTELM    .000000     .000000    3.56E-14    6.84E-15    3.42E-14     .000000
FANMOTOR    .000000     .000000    2.35E-13    5.32E-14    2.45E-13     .000000
CABLETRY    .000000     .000000     .000000     .000000     .000000     .000000
LOUVERWL    .000000     .000000     .000000     .000000     .000000     .000000
 SECDIST    .000000     .000000    5.92E-13    1.34E-13    1.88E-13     .000000

 COMB MAX/MIN    FX          FY          FZ          MX          MY          MZ
DEADLOAD    .000000    6.00E-33    9.65E-14    2.12E-14    5.86E-14    7.68E-33
DEADLOAD    .000000    6.00E-33    9.65E-14    2.12E-14    5.86E-14    7.68E-33


E L E M E N T   J O I N T - F O R C E   O U T P U T                  17:22:01

NUMBER OF JOINT  ELEMENTS SAVED           =         148
NUMBER OF FRAME  ELEMENTS SAVED           =         473
NUMBER OF SPRING ELEMENTS SAVED           =           2
```

```
E L E M E N T   O U T P U T                                          17:22:02

NUMBER OF FRAME  ELEMENTS SAVED          =         473
NUMBER OF FRAME  ELEMENTS PRINTED        =         473


A N A L Y S I S   C O M P L E T E                        2005/04/04  17:22:04
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                    S A P 2 0 0 0 (R)

                Structural Analysis Programs

                   Nonlinear Version 7.40

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        It is the responsibility of the user to verify all
                 results produced by this program

                      4 Apr 2005  17:21:57


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D I S P L A C E M E N T   D E G R E E S   O F   F R E E D O M

        (A) = Active DOF, equilibrium equation
        (-) = Restrained DOF, reaction computed
        (+) = Constrained DOF
        (>) = External substructure DOF
        ( ) = Null DOF

 JOINTS              UX  UY  UZ  RX  RY  RZ
      1 TO       2    A       A       A
     A2 TO      A9    -   -   -       A
     B2 TO      C9    A       A       A
     D1               -   -   -       A
     E1 TO      L9    A       A       A
     M1 TO      P1    +       A       A
     P2 TO      P6    A       A       A
     P7               +       A       A
     P8 TO      P9    A       A       A
    A10 TO     A15    -   -   -       A
    B10 TO     L15    A       A       A
    M10 TO     O15    +       A       A
    P10 TO     P14    A       A       A
    P15               +       A       A
   DE10 TO   4FIL9    A       A       A
  5FIL1 TO   5FIL9    +       A       A
 1FIL10 TO  4FIL15    A       A       A
 5FIL10 TO  5FIL15    +       A       A

 CONSTRAINTS         U1  U2  U3  R1  R2  R3
    NM1 TO    PO15    A


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A S S E M B L E D   J O I N T   M A S S E S
```

IN GLOBAL COORDINATES

JOINT	UX	UY	UZ	RX	RY	RZ
1	0.055642	0.055642	0.055642	.000000	.000000	.000000
2	0.018116	0.018116	0.018116	.000000	.000000	.000000
A2	0.017760	0.017760	0.017760	.000000	.000000	.000000
A3	0.017760	0.017760	0.017760	.000000	.000000	.000000
A4	0.017760	0.017760	0.017760	.000000	.000000	.000000
A5	0.017760	0.017760	0.017760	.000000	.000000	.000000
A6	0.017760	0.017760	0.017760	.000000	.000000	.000000
A7	0.017760	0.017760	0.017760	.000000	.000000	.000000
A8	0.017760	0.017760	0.017760	.000000	.000000	.000000
A9	0.017760	0.017760	0.017760	.000000	.000000	.000000
B2	0.054076	0.054076	0.054076	.000000	.000000	.000000
B3	0.072192	0.072192	0.072192	.000000	.000000	.000000
B4	0.072192	0.072192	0.072192	.000000	.000000	.000000
B5	0.072192	0.072192	0.072192	.000000	.000000	.000000
B6	0.072192	0.072192	0.072192	.000000	.000000	.000000
B7	0.072192	0.072192	0.072192	.000000	.000000	.000000
B8	0.072192	0.072192	0.072192	.000000	.000000	.000000
B9	0.072192	0.072192	0.072192	.000000	.000000	.000000
C2	0.047985	0.047985	0.047985	.000000	.000000	.000000
C3	0.066101	0.066101	0.066101	.000000	.000000	.000000
C4	0.066101	0.066101	0.066101	.000000	.000000	.000000
C5	0.066101	0.066101	0.066101	.000000	.000000	.000000
C6	0.066101	0.066101	0.066101	.000000	.000000	.000000
C7	0.066101	0.066101	0.066101	.000000	.000000	.000000
C8	0.066101	0.066101	0.066101	.000000	.000000	.000000
C9	0.066101	0.066101	0.066101	.000000	.000000	.000000
D1	0.091857	0.091857	0.091857	.000000	.000000	.000000
E1	0.314901	0.314901	0.314901	.000000	.000000	.000000
E2	0.090417	0.090417	0.090417	.000000	.000000	.000000
E3	0.052891	0.052891	0.052891	.000000	.000000	.000000
E4	0.052891	0.052891	0.052891	.000000	.000000	.000000
E5	0.052891	0.052891	0.052891	.000000	.000000	.000000
E6	0.052891	0.052891	0.052891	.000000	.000000	.000000
E7	0.052891	0.052891	0.052891	.000000	.000000	.000000
E8	0.625491	0.625491	0.625491	.000000	.000000	.000000
E9	0.052891	0.052891	0.052891	.000000	.000000	.000000
F1	0.350725	0.350725	0.350725	.000000	.000000	.000000
F2	0.057441	0.057441	0.057441	.000000	.000000	.000000
F3	0.057441	0.057441	0.057441	.000000	.000000	.000000
F4	0.057441	0.057441	0.057441	.000000	.000000	.000000
F5	0.057441	0.057441	0.057441	.000000	.000000	.000000
F6	0.057441	0.057441	0.057441	.000000	.000000	.000000
F7	0.057441	0.057441	0.057441	.000000	.000000	.000000
F8	0.792241	0.792241	0.792241	.000000	.000000	.000000
F9	0.057441	0.057441	0.057441	.000000	.000000	.000000
G1	0.349852	0.349852	0.349852	.000000	.000000	.000000
G2	0.094894	0.094894	0.094894	.000000	.000000	.000000
G3	0.094894	0.094894	0.094894	.000000	.000000	.000000
G4	0.057368	0.057368	0.057368	.000000	.000000	.000000
G5	0.094894	0.094894	0.094894	.000000	.000000	.000000
G6	0.094894	0.094894	0.094894	.000000	.000000	.000000
G7	0.057368	0.057368	0.057368	.000000	.000000	.000000
G8	0.790268	0.790268	0.790268	.000000	.000000	.000000
G9	0.057368	0.057368	0.057368	.000000	.000000	.000000
H1	0.349852	0.349852	0.349852	.000000	.000000	.000000
H2	0.057368	0.057368	0.057368	.000000	.000000	.000000
H3	0.057368	0.057368	0.057368	.000000	.000000	.000000
H4	0.057368	0.057368	0.057368	.000000	.000000	.000000
H5	0.057368	0.057368	0.057368	.000000	.000000	.000000

H6	0.057368	0.057368	0.057368	.000000	.000000	.000000
H7	0.057368	0.057368	0.057368	.000000	.000000	.000000
H8	0.790268	0.790268	0.790268	.000000	.000000	.000000
H9	0.057368	0.057368	0.057368	.000000	.000000	.000000
I1	0.349852	0.349852	0.349852	.000000	.000000	.000000
I2	0.057368	0.057368	0.057368	.000000	.000000	.000000
I3	0.067073	0.067073	0.067073	.000000	.000000	.000000
I4	0.067073	0.067073	0.067073	.000000	.000000	.000000
I5	0.057368	0.057368	0.057368	.000000	.000000	.000000
I6	0.057368	0.057368	0.057368	.000000	.000000	.000000
I7	0.057368	0.057368	0.057368	.000000	.000000	.000000
I8	0.790268	0.790268	0.790268	.000000	.000000	.000000
I9	0.057368	0.057368	0.057368	.000000	.000000	.000000
J1	0.349852	0.349852	0.349852	.000000	.000000	.000000
J2	0.057368	0.057368	0.057368	.000000	.000000	.000000
J3	0.057368	0.057368	0.057368	.000000	.000000	.000000
J4	0.057368	0.057368	0.057368	.000000	.000000	.000000
J5	0.057368	0.057368	0.057368	.000000	.000000	.000000
J6	0.057368	0.057368	0.057368	.000000	.000000	.000000
J7	0.057368	0.057368	0.057368	.000000	.000000	.000000
J8	0.790268	0.790268	0.790268	.000000	.000000	.000000
J9	0.057368	0.057368	0.057368	.000000	.000000	.000000
K1	0.349852	0.349852	0.349852	.000000	.000000	.000000
K2	0.057368	0.057368	0.057368	.000000	.000000	.000000
K3	0.057368	0.057368	0.057368	.000000	.000000	.000000
K4	0.057368	0.057368	0.057368	.000000	.000000	.000000
K5	0.057368	0.057368	0.057368	.000000	.000000	.000000
K6	0.057368	0.057368	0.057368	.000000	.000000	.000000
K7	0.057368	0.057368	0.057368	.000000	.000000	.000000
K8	0.790268	0.790268	0.790268	.000000	.000000	.000000
K9	0.057368	0.057368	0.057368	.000000	.000000	.000000
L1	0.349852	0.349852	0.349852	.000000	.000000	.000000
L2	0.057368	0.057368	0.057368	.000000	.000000	.000000
L3	0.057368	0.057368	0.057368	.000000	.000000	.000000
L4	0.057368	0.057368	0.057368	.000000	.000000	.000000
L5	0.057368	0.057368	0.057368	.000000	.000000	.000000
L6	0.057368	0.057368	0.057368	.000000	.000000	.000000
L7	0.057368	0.057368	0.057368	.000000	.000000	.000000
L8	0.790268	0.790268	0.790268	.000000	.000000	.000000
L9	0.057368	0.057368	0.057368	.000000	.000000	.000000
M1	0.231732	0.231732	0.231732	.000000	.000000	.000000
M2	0.046048	0.046048	0.046048	.000000	.000000	.000000
M3	0.046048	0.046048	0.046048	.000000	.000000	.000000
M4	0.046048	0.046048	0.046048	.000000	.000000	.000000
M5	0.046048	0.046048	0.046048	.000000	.000000	.000000
M6	0.046048	0.046048	0.046048	.000000	.000000	.000000
M7	0.046048	0.046048	0.046048	.000000	.000000	.000000
M8	0.527048	0.527048	0.527048	.000000	.000000	.000000
M9	0.046048	0.046048	0.046048	.000000	.000000	.000000
N1	6.331343	6.331343	6.331343	.000000	.000000	.000000
N2	12.008223	12.008223	12.008223	.000000	.000000	.000000
N3	12.008223	12.008223	12.008223	.000000	.000000	.000000
N4	12.008223	12.008223	12.008223	.000000	.000000	.000000
N5	12.008223	12.008223	12.008223	.000000	.000000	.000000
N6	12.008223	12.008223	12.008223	.000000	.000000	.000000
N7	12.002059	12.002059	12.002059	.000000	.000000	.000000
N8	12.764023	12.764023	12.764023	.000000	.000000	.000000
N9	12.008223	12.008223	12.008223	.000000	.000000	.000000
O1	0.024658	0.024658	0.024658	.000000	.000000	.000000
O7	0.024658	0.024658	0.024658	.000000	.000000	.000000
P1	2.556728	2.556728	2.556728	.000000	.000000	.000000
P2	4.582384	4.582384	4.582384	.000000	.000000	.000000
P3	5.117284	5.117284	5.117284	.000000	.000000	.000000

P4	6.168484	6.168484	6.168484	.000000	.000000	.000000
P5	6.168484	6.168484	6.168484	.000000	.000000	.000000
P6	5.117284	5.117284	5.117284	.000000	.000000	.000000
P7	4.563891	4.563891	4.563891	.000000	.000000	.000000
P8	5.223684	5.223684	5.223684	.000000	.000000	.000000
P9	4.582384	4.582384	4.582384	.000000	.000000	.000000
A10	0.017760	0.017760	0.017760	.000000	.000000	.000000
A11	0.017760	0.017760	0.017760	.000000	.000000	.000000
A12	0.017760	0.017760	0.017760	.000000	.000000	.000000
A13	0.017760	0.017760	0.017760	.000000	.000000	.000000
A14	0.017760	0.017760	0.017760	.000000	.000000	.000000
A15	0.017760	0.017760	0.017760	.000000	.000000	.000000
B10	0.072192	0.072192	0.072192	.000000	.000000	.000000
B11	0.072192	0.072192	0.072192	.000000	.000000	.000000
B12	0.072192	0.072192	0.072192	.000000	.000000	.000000
B13	0.072192	0.072192	0.072192	.000000	.000000	.000000
B14	0.072192	0.072192	0.072192	.000000	.000000	.000000
B15	0.054076	0.054076	0.054076	.000000	.000000	.000000
C10	0.066101	0.066101	0.066101	.000000	.000000	.000000
C11	0.066101	0.066101	0.066101	.000000	.000000	.000000
C12	0.066101	0.066101	0.066101	.000000	.000000	.000000
C13	0.066101	0.066101	0.066101	.000000	.000000	.000000
C14	0.066101	0.066101	0.066101	.000000	.000000	.000000
C15	0.047985	0.047985	0.047985	.000000	.000000	.000000
DE1	0.086190	0.086190	0.086190	.000000	.000000	.000000
DE2	0.158290	0.158290	0.158290	.000000	.000000	.000000
DE3	0.986490	0.986490	0.986490	.000000	.000000	.000000
DE4	0.572390	0.572390	0.572390	.000000	.000000	.000000
DE5	0.158290	0.158290	0.158290	.000000	.000000	.000000
DE6	0.158290	0.158290	0.158290	.000000	.000000	.000000
DE7	0.158290	0.158290	0.158290	.000000	.000000	.000000
DE8	0.158290	0.158290	0.158290	.000000	.000000	.000000
DE9	0.158290	0.158290	0.158290	.000000	.000000	.000000
E10	0.052891	0.052891	0.052891	.000000	.000000	.000000
E11	0.052891	0.052891	0.052891	.000000	.000000	.000000
E12	0.052891	0.052891	0.052891	.000000	.000000	.000000
E13	0.052891	0.052891	0.052891	.000000	.000000	.000000
E14	0.052891	0.052891	0.052891	.000000	.000000	.000000
E15	0.607375	0.607375	0.607375	.000000	.000000	.000000
F10	0.057441	0.057441	0.057441	.000000	.000000	.000000
F11	0.057441	0.057441	0.057441	.000000	.000000	.000000
F12	0.057441	0.057441	0.057441	.000000	.000000	.000000
F13	0.057441	0.057441	0.057441	.000000	.000000	.000000
F14	0.057441	0.057441	0.057441	.000000	.000000	.000000
F15	0.774125	0.774125	0.774125	.000000	.000000	.000000
G10	0.057368	0.057368	0.057368	.000000	.000000	.000000
G11	0.048310	0.048310	0.048310	.000000	.000000	.000000
G12	0.048310	0.048310	0.048310	.000000	.000000	.000000
G13	0.057368	0.057368	0.057368	.000000	.000000	.000000
G14	0.057368	0.057368	0.057368	.000000	.000000	.000000
G15	0.772152	0.772152	0.772152	.000000	.000000	.000000
H10	0.057368	0.057368	0.057368	.000000	.000000	.000000
H11	0.057368	0.057368	0.057368	.000000	.000000	.000000
H12	0.057368	0.057368	0.057368	.000000	.000000	.000000
H13	0.057368	0.057368	0.057368	.000000	.000000	.000000
H14	0.057368	0.057368	0.057368	.000000	.000000	.000000
H15	0.772152	0.772152	0.772152	.000000	.000000	.000000
I10	0.057368	0.057368	0.057368	.000000	.000000	.000000
I11	0.057368	0.057368	0.057368	.000000	.000000	.000000
I12	0.057368	0.057368	0.057368	.000000	.000000	.000000
I13	0.057368	0.057368	0.057368	.000000	.000000	.000000
I14	0.057368	0.057368	0.057368	.000000	.000000	.000000
I15	0.772152	0.772152	0.772152	.000000	.000000	.000000

J10	0.057368	0.057368	0.057368	.000000	.000000	.000000
J11	0.057368	0.057368	0.057368	.000000	.000000	.000000
J12	0.057368	0.057368	0.057368	.000000	.000000	.000000
J13	0.057368	0.057368	0.057368	.000000	.000000	.000000
J14	0.057368	0.057368	0.057368	.000000	.000000	.000000
J15	0.772152	0.772152	0.772152	.000000	.000000	.000000
K10	0.057368	0.057368	0.057368	.000000	.000000	.000000
K11	0.057368	0.057368	0.057368	.000000	.000000	.000000
K12	0.057368	0.057368	0.057368	.000000	.000000	.000000
K13	0.057368	0.057368	0.057368	.000000	.000000	.000000
K14	0.057368	0.057368	0.057368	.000000	.000000	.000000
K15	0.772152	0.772152	0.772152	.000000	.000000	.000000
L10	0.057368	0.057368	0.057368	.000000	.000000	.000000
L11	0.057368	0.057368	0.057368	.000000	.000000	.000000
L12	0.057368	0.057368	0.057368	.000000	.000000	.000000
L13	0.057368	0.057368	0.057368	.000000	.000000	.000000
L14	0.057368	0.057368	0.057368	.000000	.000000	.000000
L15	0.772152	0.772152	0.772152	.000000	.000000	.000000
M10	0.046048	0.046048	0.046048	.000000	.000000	.000000
M11	0.046048	0.046048	0.046048	.000000	.000000	.000000
M12	0.046048	0.046048	0.046048	.000000	.000000	.000000
M13	0.046048	0.046048	0.046048	.000000	.000000	.000000
M14	0.046048	0.046048	0.046048	.000000	.000000	.000000
M15	0.508932	0.508932	0.508932	.000000	.000000	.000000
N10	12.008223	12.008223	12.008223	.000000	.000000	.000000
N11	12.008223	12.008223	12.008223	.000000	.000000	.000000
N12	12.008223	12.008223	12.008223	.000000	.000000	.000000
N13	12.008223	12.008223	12.008223	.000000	.000000	.000000
N14	12.008223	12.008223	12.008223	.000000	.000000	.000000
N15	12.739743	12.739743	12.739743	.000000	.000000	.000000
O15	0.024658	0.024658	0.024658	.000000	.000000	.000000
P10	5.117284	5.117284	5.117284	.000000	.000000	.000000
P11	6.168484	6.168484	6.168484	.000000	.000000	.000000
P12	6.168484	6.168484	6.168484	.000000	.000000	.000000
P13	5.117284	5.117284	5.117284	.000000	.000000	.000000
P14	4.582384	4.582384	4.582384	.000000	.000000	.000000
P15	5.186428	5.186428	5.186428	.000000	.000000	.000000
DE10	0.158290	0.158290	0.158290	.000000	.000000	.000000
DE11	0.158290	0.158290	0.158290	.000000	.000000	.000000
DE12	0.158290	0.158290	0.158290	.000000	.000000	.000000
DE13	0.158290	0.158290	0.158290	.000000	.000000	.000000
DE14	0.158290	0.158290	0.158290	.000000	.000000	.000000
DE15	0.158290	0.158290	0.158290	.000000	.000000	.000000
1FIL1	0.341552	0.341552	0.341552	.000000	.000000	.000000
1FIL2	0.681564	0.681564	0.681564	.000000	.000000	.000000
1FIL3	0.681564	0.681564	0.681564	.000000	.000000	.000000
1FIL4	0.681564	0.681564	0.681564	.000000	.000000	.000000
1FIL5	0.681564	0.681564	0.681564	.000000	.000000	.000000
1FIL6	0.681564	0.681564	0.681564	.000000	.000000	.000000
1FIL7	0.681564	0.681564	0.681564	.000000	.000000	.000000
1FIL8	0.681564	0.681564	0.681564	.000000	.000000	.000000
1FIL9	0.681564	0.681564	0.681564	.000000	.000000	.000000
2FIL1	0.776290	0.776290	0.776290	.000000	.000000	.000000
2FIL2	1.538490	1.538490	1.538490	.000000	.000000	.000000
2FIL3	1.538490	1.538490	1.538490	.000000	.000000	.000000
2FIL4	1.538490	1.538490	1.538490	.000000	.000000	.000000
2FIL5	1.538490	1.538490	1.538490	.000000	.000000	.000000
2FIL6	1.538490	1.538490	1.538490	.000000	.000000	.000000
2FIL7	1.538490	1.538490	1.538490	.000000	.000000	.000000
2FIL8	1.538490	1.538490	1.538490	.000000	.000000	.000000
2FIL9	1.538490	1.538490	1.538490	.000000	.000000	.000000
3FIL1	0.787190	0.787190	0.787190	.000000	.000000	.000000
3FIL2	1.560390	1.560390	1.560390	.000000	.000000	.000000

3FIL3	1.560390	1.560390	1.560390	.000000	.000000	.000000
3FIL4	1.560390	1.560390	1.560390	.000000	.000000	.000000
3FIL5	1.560390	1.560390	1.560390	.000000	.000000	.000000
3FIL6	1.560390	1.560390	1.560390	.000000	.000000	.000000
3FIL7	1.560390	1.560390	1.560390	.000000	.000000	.000000
3FIL8	1.560390	1.560390	1.560390	.000000	.000000	.000000
3FIL9	1.560390	1.560390	1.560390	.000000	.000000	.000000
4FIL1	0.818690	0.818690	0.818690	.000000	.000000	.000000
4FIL2	1.623290	1.623290	1.623290	.000000	.000000	.000000
4FIL3	1.623290	1.623290	1.623290	.000000	.000000	.000000
4FIL4	1.623290	1.623290	1.623290	.000000	.000000	.000000
4FIL5	1.623290	1.623290	1.623290	.000000	.000000	.000000
4FIL6	1.623290	1.623290	1.623290	.000000	.000000	.000000
4FIL7	1.623290	1.623290	1.623290	.000000	.000000	.000000
4FIL8	1.623290	1.623290	1.623290	.000000	.000000	.000000
4FIL9	1.623290	1.623290	1.623290	.000000	.000000	.000000
5FIL1	0.213403	0.213403	0.213403	.000000	.000000	.000000
5FIL2	0.422403	0.422403	0.422403	.000000	.000000	.000000
5FIL3	0.422403	0.422403	0.422403	.000000	.000000	.000000
5FIL4	0.422403	0.422403	0.422403	.000000	.000000	.000000
5FIL5	0.422403	0.422403	0.422403	.000000	.000000	.000000
5FIL6	0.422403	0.422403	0.422403	.000000	.000000	.000000
5FIL7	0.422403	0.422403	0.422403	.000000	.000000	.000000
5FIL8	0.422403	0.422403	0.422403	.000000	.000000	.000000
5FIL9	0.422403	0.422403	0.422403	.000000	.000000	.000000
1FIL10	0.681564	0.681564	0.681564	.000000	.000000	.000000
1FIL11	0.681564	0.681564	0.681564	.000000	.000000	.000000
1FIL12	0.681564	0.681564	0.681564	.000000	.000000	.000000
1FIL13	0.681564	0.681564	0.681564	.000000	.000000	.000000
1FIL14	0.681564	0.681564	0.681564	.000000	.000000	.000000
1FIL15	0.681564	0.681564	0.681564	.000000	.000000	.000000
2FIL10	1.538490	1.538490	1.538490	.000000	.000000	.000000
2FIL11	1.538490	1.538490	1.538490	.000000	.000000	.000000
2FIL12	1.538490	1.538490	1.538490	.000000	.000000	.000000
2FIL13	1.538490	1.538490	1.538490	.000000	.000000	.000000
2FIL14	1.538490	1.538490	1.538490	.000000	.000000	.000000
2FIL15	1.538490	1.538490	1.538490	.000000	.000000	.000000
3FIL10	1.560390	1.560390	1.560390	.000000	.000000	.000000
3FIL11	1.560390	1.560390	1.560390	.000000	.000000	.000000
3FIL12	1.560390	1.560390	1.560390	.000000	.000000	.000000
3FIL13	1.560390	1.560390	1.560390	.000000	.000000	.000000
3FIL14	1.560390	1.560390	1.560390	.000000	.000000	.000000
3FIL15	1.560390	1.560390	1.560390	.000000	.000000	.000000
4FIL10	1.623290	1.623290	1.623290	.000000	.000000	.000000
4FIL11	1.623290	1.623290	1.623290	.000000	.000000	.000000
4FIL12	1.623290	1.623290	1.623290	.000000	.000000	.000000
4FIL13	1.623290	1.623290	1.623290	.000000	.000000	.000000
4FIL14	1.623290	1.623290	1.623290	.000000	.000000	.000000
4FIL15	1.623290	1.623290	1.623290	.000000	.000000	.000000
5FIL10	0.422403	0.422403	0.422403	.000000	.000000	.000000
5FIL11	0.422403	0.422403	0.422403	.000000	.000000	.000000
5FIL12	0.422403	0.422403	0.422403	.000000	.000000	.000000
5FIL13	0.422403	0.422403	0.422403	.000000	.000000	.000000
5FIL14	0.422403	0.422403	0.422403	.000000	.000000	.000000
5FIL15	0.422403	0.422403	0.422403	.000000	.000000	.000000

T O T A L A S S E M B L E D J O I N T M A S S E S

IN GLOBAL COORDINATES

	UX	UY	UZ	RX	RY	RZ
TOTAL	365.150221	365.150221	365.150221	.000000	.000000	.000000

T O T A L A C C E L E R A T E D M A S S A N D L O C A T I O N

TOTAL MASS ACTIVATED BY ACCELERATION LOADS, IN GLOBAL COORDINATES

	UX	UY	UZ
MASS	364.809728	.000000	364.809728
X-LOC	524.260058	.000000	524.260058
Y-LOC	120.000000	.000000	120.000000
Z-LOC	517.585136	.000000	517.585136

J O I N T D I S P L A C E M E N T S

TRANSLATIONS AND ROTATIONS, IN GLOBAL COORDINATES

COMBDEADLOAD ---------- MAX

JOINT	UX	UY	UZ	RY
1	.000000	.000000	0.195953	0.000426
2	.000000	.000000	0.150600	1.86E-18
A2	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
A9	.000000	.000000	.000000	.000000
B2	.000000	.000000	0.031700	.000000
B3	.000000	.000000	0.033605	.000000
B4	.000000	.000000	0.034425	.000000
B5	.000000	.000000	0.033861	.000000
B6	.000000	.000000	0.032425	.000000
B7	.000000	.000000	0.031647	.000000
B8	.000000	.000000	0.041980	.000000
B9	.000000	.000000	0.031647	.000000
C2	.000000	.000000	0.064110	.000000
C3	.000000	.000000	0.067942	.000000
C4	.000000	.000000	0.069603	.000000
C5	.000000	.000000	0.068460	.000000
C6	.000000	.000000	0.065553	.000000
C7	.000000	.000000	0.063978	.000000
C8	.000000	.000000	0.084899	.000000
C9	.000000	.000000	0.063978	.000000
D1	.000000	.000000	.000000	.000000
E1	.000000	.000000	0.008937	.000000
E2	.000000	.000000	0.089150	.000000
E3	.000000	.000000	0.094462	.000000
E4	.000000	.000000	0.096776	.000000
E5	.000000	.000000	0.095183	.000000
E6	.000000	.000000	0.091131	.000000
E7	.000000	.000000	0.088936	.000000
E8	.000000	.000000	0.118098	.000000
E9	.000000	.000000	0.088936	.000000
F1	.000000	.000000	0.024459	.000000
F2	.000000	.000000	0.113481	.000000
F3	.000000	.000000	0.120313	.000000

F4	.000000	.000000	0.123282	.000000
F5	.000000	.000000	0.121239	.000000
F6	.000000	.000000	0.116042	.000000
F7	.000000	.000000	0.113226	.000000
F8	.000000	.000000	0.150007	.000000
F9	.000000	.000000	0.113226	.000000
G1	.000000	.000000	0.039103	.000000
G2	.000000	.000000	0.136792	.000000
G3	.000000	.000000	0.145137	.000000
G4	.000000	.000000	0.148756	.000000
G5	.000000	.000000	0.146265	.000000
G6	.000000	.000000	0.139929	.000000
G7	.000000	.000000	0.136496	.000000
G8	.000000	.000000	0.180061	.000000
G9	.000000	.000000	0.136496	.000000
H1	.000000	.000000	0.052947	.000000
H2	.000000	.000000	0.159168	.000000
H3	.000000	.000000	0.169026	.000000
H4	.000000	.000000	0.173337	.000000
H5	.000000	.000000	0.170357	.000000
H6	.000000	.000000	0.162882	.000000
H7	.000000	.000000	0.158872	.000000
H8	.000000	.000000	0.208430	.000000
H9	.000000	.000000	0.158872	.000000
I1	.000000	.000000	0.065988	.000000
I2	.000000	.000000	0.180639	.000000
I3	.000000	.000000	0.192010	.000000
I4	.000000	.000000	0.197012	.000000
I5	.000000	.000000	0.193544	.000000
I6	.000000	.000000	0.184929	.000000
I7	.000000	.000000	0.180343	.000000
I8	.000000	.000000	0.235101	.000000
I9	.000000	.000000	0.180343	.000000
J1	.000000	.000000	0.078224	.000000
J2	.000000	.000000	0.201205	.000000
J3	.000000	.000000	0.214048	.000000
J4	.000000	.000000	0.219741	.000000
J5	.000000	.000000	0.215826	.000000
J6	.000000	.000000	0.206072	.000000
J7	.000000	.000000	0.200909	.000000
J8	.000000	.000000	0.260075	.000000
J9	.000000	.000000	0.200909	.000000
K1	.000000	.000000	0.089639	.000000
K2	.000000	.000000	0.220831	.000000
K3	.000000	.000000	0.235146	.000000
K4	.000000	.000000	0.241531	.000000
K5	.000000	.000000	0.237167	.000000
K6	.000000	.000000	0.226275	.000000
K7	.000000	.000000	0.220535	.000000
K8	.000000	.000000	0.283317	.000000
K9	.000000	.000000	0.220535	.000000
L1	.000000	.000000	0.100232	.000000
L2	.000000	.000000	0.239517	.000000
L3	.000000	.000000	0.255304	.000000
L4	.000000	.000000	0.262380	.000000
L5	.000000	.000000	0.257569	.000000
L6	.000000	.000000	0.245537	.000000
L7	.000000	.000000	0.239221	.000000
L8	.000000	.000000	0.304827	.000000
L9	.000000	.000000	0.239221	.000000
M1	.000000	.000000	0.110401	.000000
M2	.000000	.000000	0.258054	.000000
M3	.000000	.000000	0.274866	.000000

M4	.000000	.000000	0.282858	.000000
M5	.000000	.000000	0.277822	.000000
M6	.000000	.000000	0.264651	.000000
M7	.000000	.000000	0.257759	.000000
M8	.000000	.000000	0.325397	.000000
M9	.000000	.000000	0.257759	.000000
N1	.000000	.000000	0.113459	.000000
N2	.000000	.000000	0.263752	.000000
N3	.000000	.000000	0.280744	.000000
N4	.000000	.000000	0.289091	.000000
N5	.000000	.000000	0.284056	.000000
N6	.000000	.000000	0.270529	.000000
N7	.000000	.000000	0.263457	.000000
N8	.000000	.000000	0.331567	.000000
N9	.000000	.000000	0.263457	.000000
O1	.000000	.000000	0.117122	.000000
O7	.000000	.000000	0.269971	.000000
P1	.000000	.000000	0.118331	.000000
P2	.000000	.000000	0.272426	.000000
P3	.000000	.000000	0.290427	.000000
P4	.000000	.000000	0.300768	.000000
P5	.000000	.000000	0.295733	.000000
P6	.000000	.000000	0.280212	.000000
P7	.000000	.000000	0.272131	.000000
P8	.000000	.000000	0.341456	.000000
P9	.000000	.000000	0.272131	.000000
A10	.000000	.000000	.000000	.000000
A11	.000000	.000000	.000000	.000000
A12	.000000	.000000	.000000	.000000
A13	.000000	.000000	.000000	.000000
A14	.000000	.000000	.000000	.000000
A15	.000000	.000000	.000000	.000000
B10	.000000	.000000	0.032374	.000000
B11	.000000	.000000	0.033809	.000000
B12	.000000	.000000	0.033809	.000000
B13	.000000	.000000	0.032374	.000000
B14	.000000	.000000	0.031647	.000000
B15	.000000	.000000	0.041658	.000000
C10	.000000	.000000	0.065449	.000000
C11	.000000	.000000	0.068356	.000000
C12	.000000	.000000	0.068356	.000000
C13	.000000	.000000	0.065449	.000000
C14	.000000	.000000	0.063978	.000000
C15	.000000	.000000	0.084273	.000000
DE1	.000000	.000000	0.105340	.000000
DE2	.000000	.000000	0.248829	.000000
DE3	.000000	.000000	0.265352	.000000
DE4	.000000	.000000	0.272774	.000000
DE5	.000000	.000000	0.267739	.000000
DE6	.000000	.000000	0.255137	.000000
DE7	.000000	.000000	0.248533	.000000
DE8	.000000	.000000	0.315155	.000000
DE9	.000000	.000000	0.248533	.000000
E10	.000000	.000000	0.090987	.000000
E11	.000000	.000000	0.095039	.000000
E12	.000000	.000000	0.095039	.000000
E13	.000000	.000000	0.090987	.000000
E14	.000000	.000000	0.088936	.000000
E15	.000000	.000000	0.117254	.000000
F10	.000000	.000000	0.115856	.000000
F11	.000000	.000000	0.121054	.000000
F12	.000000	.000000	0.121054	.000000
F13	.000000	.000000	0.115856	.000000

F14	.000000	.000000	0.113226	.000000
F15	.000000	.000000	0.148965	.000000
G10	.000000	.000000	0.139703	.000000
G11	.000000	.000000	0.146040	.000000
G12	.000000	.000000	0.146040	.000000
G13	.000000	.000000	0.139703	.000000
G14	.000000	.000000	0.136496	.000000
G15	.000000	.000000	0.178843	.000000
H10	.000000	.000000	0.162656	.000000
H11	.000000	.000000	0.170132	.000000
H12	.000000	.000000	0.170132	.000000
H13	.000000	.000000	0.162656	.000000
H14	.000000	.000000	0.158872	.000000
H15	.000000	.000000	0.207054	.000000
I10	.000000	.000000	0.184704	.000000
I11	.000000	.000000	0.193318	.000000
I12	.000000	.000000	0.193318	.000000
I13	.000000	.000000	0.184704	.000000
I14	.000000	.000000	0.180343	.000000
I15	.000000	.000000	0.233587	.000000
J10	.000000	.000000	0.205846	.000000
J11	.000000	.000000	0.215600	.000000
J12	.000000	.000000	0.215600	.000000
J13	.000000	.000000	0.205846	.000000
J14	.000000	.000000	0.200909	.000000
J15	.000000	.000000	0.258443	.000000
K10	.000000	.000000	0.226049	.000000
K11	.000000	.000000	0.236942	.000000
K12	.000000	.000000	0.236942	.000000
K13	.000000	.000000	0.226049	.000000
K14	.000000	.000000	0.220535	.000000
K15	.000000	.000000	0.281587	.000000
L10	.000000	.000000	0.245311	.000000
L11	.000000	.000000	0.257343	.000000
L12	.000000	.000000	0.257343	.000000
L13	.000000	.000000	0.245311	.000000
L14	.000000	.000000	0.239221	.000000
L15	.000000	.000000	0.303017	.000000
M10	.000000	.000000	0.264426	.000000
M11	.000000	.000000	0.277597	.000000
M12	.000000	.000000	0.277597	.000000
M13	.000000	.000000	0.264426	.000000
M14	.000000	.000000	0.257759	.000000
M15	.000000	.000000	0.323528	.000000
N10	.000000	.000000	0.270303	.000000
N11	.000000	.000000	0.283830	.000000
N12	.000000	.000000	0.283830	.000000
N13	.000000	.000000	0.270303	.000000
N14	.000000	.000000	0.263457	.000000
N15	.000000	.000000	0.329685	.000000
O15	.000000	.000000	0.337084	.000000
P10	.000000	.000000	0.279987	.000000
P11	.000000	.000000	0.295507	.000000
P12	.000000	.000000	0.295507	.000000
P13	.000000	.000000	0.279987	.000000
P14	.000000	.000000	0.272131	.000000
P15	.000000	.000000	0.339539	.000000
DE10	.000000	.000000	0.254911	.000000
DE11	.000000	.000000	0.267513	.000000
DE12	.000000	.000000	0.267513	.000000
DE13	.000000	.000000	0.254911	.000000
DE14	.000000	.000000	0.248533	.000000
DE15	.000000	.000000	0.313315	.000000

1FIL1	.000000	.000000	0.006142	.000000
1FIL2	.000000	.000000	0.084846	.000000
1FIL3	.000000	.000000	0.089897	.000000
1FIL4	.000000	.000000	0.092097	.000000
1FIL5	.000000	.000000	0.090583	.000000
1FIL6	.000000	.000000	0.086733	.000000
1FIL7	.000000	.000000	0.084647	.000000
1FIL8	.000000	.000000	0.112357	.000000
1FIL9	.000000	.000000	0.084647	.000000
2FIL1	.000000	.000000	0.031991	.000000
2FIL2	.000000	.000000	0.125552	.000000
2FIL3	.000000	.000000	0.133141	.000000
2FIL4	.000000	.000000	0.136435	.000000
2FIL5	.000000	.000000	0.134168	.000000
2FIL6	.000000	.000000	0.128401	.000000
2FIL7	.000000	.000000	0.125277	.000000
2FIL8	.000000	.000000	0.165450	.000000
2FIL9	.000000	.000000	0.125277	.000000
3FIL1	.000000	.000000	0.059681	.000000
3FIL2	.000000	.000000	0.170325	.000000
3FIL3	.000000	.000000	0.180939	.000000
3FIL4	.000000	.000000	0.185596	.000000
3FIL5	.000000	.000000	0.182372	.000000
3FIL6	.000000	.000000	0.174327	.000000
3FIL7	.000000	.000000	0.170029	.000000
3FIL8	.000000	.000000	0.222187	.000000
3FIL9	.000000	.000000	0.170029	.000000
4FIL1	.000000	.000000	0.084153	.000000
4FIL2	.000000	.000000	0.211457	.000000
4FIL3	.000000	.000000	0.225036	.000000
4FIL4	.000000	.000000	0.231075	.000000
4FIL5	.000000	.000000	0.226936	.000000
4FIL6	.000000	.000000	0.216612	.000000
4FIL7	.000000	.000000	0.211161	.000000
4FIL8	.000000	.000000	0.272135	.000000
4FIL9	.000000	.000000	0.211161	.000000
5FIL1	.000000	.000000	0.112342	.000000
5FIL2	.000000	.000000	0.261673	.000000
5FIL3	.000000	.000000	0.278598	.000000
5FIL4	.000000	.000000	0.286813	.000000
5FIL5	.000000	.000000	0.281778	.000000
5FIL6	.000000	.000000	0.268383	.000000
5FIL7	.000000	.000000	0.261377	.000000
5FIL8	.000000	.000000	0.329312	.000000
5FIL9	.000000	.000000	0.261377	.000000
1FIL10	.000000	.000000	0.086596	.000000
1FIL11	.000000	.000000	0.090446	.000000
1FIL12	.000000	.000000	0.090446	.000000
1FIL13	.000000	.000000	0.086596	.000000
1FIL14	.000000	.000000	0.084647	.000000
1FIL15	.000000	.000000	0.111551	.000000
2FIL10	.000000	.000000	0.128196	.000000
2FIL11	.000000	.000000	0.133963	.000000
2FIL12	.000000	.000000	0.133963	.000000
2FIL13	.000000	.000000	0.128196	.000000
2FIL14	.000000	.000000	0.125277	.000000
2FIL15	.000000	.000000	0.164320	.000000
3FIL10	.000000	.000000	0.174101	.000000
3FIL11	.000000	.000000	0.182146	.000000
3FIL12	.000000	.000000	0.182146	.000000
3FIL13	.000000	.000000	0.174101	.000000
3FIL14	.000000	.000000	0.170029	.000000
3FIL15	.000000	.000000	0.220742	.000000

4FIL10	.000000	.000000	0.216387	.000000
4FIL11	.000000	.000000	0.226710	.000000
4FIL12	.000000	.000000	0.226710	.000000
4FIL13	.000000	.000000	0.216387	.000000
4FIL14	.000000	.000000	0.211161	.000000
4FIL15	.000000	.000000	0.270454	.000000
5FIL10	.000000	.000000	0.268157	.000000
5FIL11	.000000	.000000	0.281552	.000000
5FIL12	.000000	.000000	0.281552	.000000
5FIL13	.000000	.000000	0.268157	.000000
5FIL14	.000000	.000000	0.261377	.000000
5FIL15	.000000	.000000	0.327435	.000000

COMBDEADLOAD ---------- MIN

JOINT	UX	UY	UZ	RY
1	.000000	.000000	-0.195953	-0.000426
2	.000000	.000000	-0.150600	-1.86E-18
A2	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
A9	.000000	.000000	.000000	.000000
B2	.000000	.000000	-0.031700	.000000
B3	.000000	.000000	-0.033605	.000000
B4	.000000	.000000	-0.034425	.000000
B5	.000000	.000000	-0.033861	.000000
B6	.000000	.000000	-0.032425	.000000
B7	.000000	.000000	-0.031647	.000000
B8	.000000	.000000	-0.041980	.000000
B9	.000000	.000000	-0.031647	.000000
C2	.000000	.000000	-0.064110	.000000
C3	.000000	.000000	-0.067942	.000000
C4	.000000	.000000	-0.069603	.000000
C5	.000000	.000000	-0.068460	.000000
C6	.000000	.000000	-0.065553	.000000
C7	.000000	.000000	-0.063978	.000000
C8	.000000	.000000	-0.084899	.000000
C9	.000000	.000000	-0.063978	.000000
D1	.000000	.000000	.000000	.000000
E1	.000000	.000000	-0.008937	.000000
E2	.000000	.000000	-0.089150	.000000
E3	.000000	.000000	-0.094462	.000000
E4	.000000	.000000	-0.096776	.000000
E5	.000000	.000000	-0.095183	.000000
E6	.000000	.000000	-0.091131	.000000
E7	.000000	.000000	-0.088936	.000000
E8	.000000	.000000	-0.118098	.000000
E9	.000000	.000000	-0.088936	.000000
F1	.000000	.000000	-0.024459	.000000
F2	.000000	.000000	-0.113481	.000000
F3	.000000	.000000	-0.120313	.000000
F4	.000000	.000000	-0.123282	.000000
F5	.000000	.000000	-0.121239	.000000
F6	.000000	.000000	-0.116042	.000000
F7	.000000	.000000	-0.113226	.000000
F8	.000000	.000000	-0.150007	.000000
F9	.000000	.000000	-0.113226	.000000
G1	.000000	.000000	-0.039103	.000000
G2	.000000	.000000	-0.136792	.000000

G3	.000000	.000000	-0.145137	.000000
G4	.000000	.000000	-0.148756	.000000
G5	.000000	.000000	-0.146265	.000000
G6	.000000	.000000	-0.139929	.000000
G7	.000000	.000000	-0.136496	.000000
G8	.000000	.000000	-0.180061	.000000
G9	.000000	.000000	-0.136496	.000000
H1	.000000	.000000	-0.052947	.000000
H2	.000000	.000000	-0.159168	.000000
H3	.000000	.000000	-0.169026	.000000
H4	.000000	.000000	-0.173337	.000000
H5	.000000	.000000	-0.170357	.000000
H6	.000000	.000000	-0.162882	.000000
H7	.000000	.000000	-0.158872	.000000
H8	.000000	.000000	-0.208430	.000000
H9	.000000	.000000	-0.158872	.000000
I1	.000000	.000000	-0.065988	.000000
I2	.000000	.000000	-0.180639	.000000
I3	.000000	.000000	-0.192010	.000000
I4	.000000	.000000	-0.197012	.000000
I5	.000000	.000000	-0.193544	.000000
I6	.000000	.000000	-0.184929	.000000
I7	.000000	.000000	-0.180343	.000000
I8	.000000	.000000	-0.235101	.000000
I9	.000000	.000000	-0.180343	.000000
J1	.000000	.000000	-0.078224	.000000
J2	.000000	.000000	-0.201205	.000000
J3	.000000	.000000	-0.214048	.000000
J4	.000000	.000000	-0.219741	.000000
J5	.000000	.000000	-0.215826	.000000
J6	.000000	.000000	-0.206072	.000000
J7	.000000	.000000	-0.200909	.000000
J8	.000000	.000000	-0.260075	.000000
J9	.000000	.000000	-0.200909	.000000
K1	.000000	.000000	-0.089639	.000000
K2	.000000	.000000	-0.220831	.000000
K3	.000000	.000000	-0.235146	.000000
K4	.000000	.000000	-0.241531	.000000
K5	.000000	.000000	-0.237167	.000000
K6	.000000	.000000	-0.226275	.000000
K7	.000000	.000000	-0.220535	.000000
K8	.000000	.000000	-0.283317	.000000
K9	.000000	.000000	-0.220535	.000000
L1	.000000	.000000	-0.100232	.000000
L2	.000000	.000000	-0.239517	.000000
L3	.000000	.000000	-0.255304	.000000
L4	.000000	.000000	-0.262380	.000000
L5	.000000	.000000	-0.257569	.000000
L6	.000000	.000000	-0.245537	.000000
L7	.000000	.000000	-0.239221	.000000
L8	.000000	.000000	-0.304827	.000000
L9	.000000	.000000	-0.239221	.000000
M1	.000000	.000000	-0.110401	.000000
M2	.000000	.000000	-0.258054	.000000
M3	.000000	.000000	-0.274866	.000000
M4	.000000	.000000	-0.282858	.000000
M5	.000000	.000000	-0.277822	.000000
M6	.000000	.000000	-0.264651	.000000
M7	.000000	.000000	-0.257759	.000000
M8	.000000	.000000	-0.325397	.000000
M9	.000000	.000000	-0.257759	.000000
N1	.000000	.000000	-0.113459	.000000
N2	.000000	.000000	-0.263752	.000000

N3	.000000	.000000	-0.280744	.000000
N4	.000000	.000000	-0.289091	.000000
N5	.000000	.000000	-0.284056	.000000
N6	.000000	.000000	-0.270529	.000000
N7	.000000	.000000	-0.263457	.000000
N8	.000000	.000000	-0.331567	.000000
N9	.000000	.000000	-0.263457	.000000
O1	.000000	.000000	-0.117122	.000000
O7	.000000	.000000	-0.269971	.000000
P1	.000000	.000000	-0.118331	.000000
P2	.000000	.000000	-0.272426	.000000
P3	.000000	.000000	-0.290427	.000000
P4	.000000	.000000	-0.300768	.000000
P5	.000000	.000000	-0.295733	.000000
P6	.000000	.000000	-0.280212	.000000
P7	.000000	.000000	-0.272131	.000000
P8	.000000	.000000	-0.341456	.000000
P9	.000000	.000000	-0.272131	.000000
A10	.000000	.000000	.000000	.000000
A11	.000000	.000000	.000000	.000000
A12	.000000	.000000	.000000	.000000
A13	.000000	.000000	.000000	.000000
A14	.000000	.000000	.000000	.000000
A15	.000000	.000000	.000000	.000000
B10	.000000	.000000	-0.032374	.000000
B11	.000000	.000000	-0.033809	.000000
B12	.000000	.000000	-0.033809	.000000
B13	.000000	.000000	-0.032374	.000000
B14	.000000	.000000	-0.031647	.000000
B15	.000000	.000000	-0.041658	.000000
C10	.000000	.000000	-0.065449	.000000
C11	.000000	.000000	-0.068356	.000000
C12	.000000	.000000	-0.068356	.000000
C13	.000000	.000000	-0.065449	.000000
C14	.000000	.000000	-0.063978	.000000
C15	.000000	.000000	-0.084273	.000000
DE1	.000000	.000000	-0.105340	.000000
DE2	.000000	.000000	-0.248829	.000000
DE3	.000000	.000000	-0.265352	.000000
DE4	.000000	.000000	-0.272774	.000000
DE5	.000000	.000000	-0.267739	.000000
DE6	.000000	.000000	-0.255137	.000000
DE7	.000000	.000000	-0.248533	.000000
DE8	.000000	.000000	-0.315155	.000000
DE9	.000000	.000000	-0.248533	.000000
E10	.000000	.000000	-0.090987	.000000
E11	.000000	.000000	-0.095039	.000000
E12	.000000	.000000	-0.095039	.000000
E13	.000000	.000000	-0.090987	.000000
E14	.000000	.000000	-0.088936	.000000
E15	.000000	.000000	-0.117254	.000000
F10	.000000	.000000	-0.115856	.000000
F11	.000000	.000000	-0.121054	.000000
F12	.000000	.000000	-0.121054	.000000
F13	.000000	.000000	-0.115856	.000000
F14	.000000	.000000	-0.113226	.000000
F15	.000000	.000000	-0.148965	.000000
G10	.000000	.000000	-0.139703	.000000
G11	.000000	.000000	-0.146040	.000000
G12	.000000	.000000	-0.146040	.000000
G13	.000000	.000000	-0.139703	.000000
G14	.000000	.000000	-0.136496	.000000
G15	.000000	.000000	-0.178843	.000000

H10	.000000	.000000	-0.162656	.000000
H11	.000000	.000000	-0.170132	.000000
H12	.000000	.000000	-0.170132	.000000
H13	.000000	.000000	-0.162656	.000000
H14	.000000	.000000	-0.158872	.000000
H15	.000000	.000000	-0.207054	.000000
I10	.000000	.000000	-0.184704	.000000
I11	.000000	.000000	-0.193318	.000000
I12	.000000	.000000	-0.193318	.000000
I13	.000000	.000000	-0.184704	.000000
I14	.000000	.000000	-0.180343	.000000
I15	.000000	.000000	-0.233587	.000000
J10	.000000	.000000	-0.205846	.000000
J11	.000000	.000000	-0.215600	.000000
J12	.000000	.000000	-0.215600	.000000
J13	.000000	.000000	-0.205846	.000000
J14	.000000	.000000	-0.200909	.000000
J15	.000000	.000000	-0.258443	.000000
K10	.000000	.000000	-0.226049	.000000
K11	.000000	.000000	-0.236942	.000000
K12	.000000	.000000	-0.236942	.000000
K13	.000000	.000000	-0.226049	.000000
K14	.000000	.000000	-0.220535	.000000
K15	.000000	.000000	-0.281587	.000000
L10	.000000	.000000	-0.245311	.000000
L11	.000000	.000000	-0.257343	.000000
L12	.000000	.000000	-0.257343	.000000
L13	.000000	.000000	-0.245311	.000000
L14	.000000	.000000	-0.239221	.000000
L15	.000000	.000000	-0.303017	.000000
M10	.000000	.000000	-0.264426	.000000
M11	.000000	.000000	-0.277597	.000000
M12	.000000	.000000	-0.277597	.000000
M13	.000000	.000000	-0.264426	.000000
M14	.000000	.000000	-0.257759	.000000
M15	.000000	.000000	-0.323528	.000000
N10	.000000	.000000	-0.270303	.000000
N11	.000000	.000000	-0.283830	.000000
N12	.000000	.000000	-0.283830	.000000
N13	.000000	.000000	-0.270303	.000000
N14	.000000	.000000	-0.263457	.000000
N15	.000000	.000000	-0.329685	.000000
O15	.000000	.000000	-0.337084	.000000
P10	.000000	.000000	-0.279987	.000000
P11	.000000	.000000	-0.295507	.000000
P12	.000000	.000000	-0.295507	.000000
P13	.000000	.000000	-0.279987	.000000
P14	.000000	.000000	-0.272131	.000000
P15	.000000	.000000	-0.339539	.000000
DE10	.000000	.000000	-0.254911	.000000
DE11	.000000	.000000	-0.267513	.000000
DE12	.000000	.000000	-0.267513	.000000
DE13	.000000	.000000	-0.254911	.000000
DE14	.000000	.000000	-0.248533	.000000
DE15	.000000	.000000	-0.313315	.000000
1FIL1	.000000	.000000	-0.006142	.000000
1FIL2	.000000	.000000	-0.084846	.000000
1FIL3	.000000	.000000	-0.089897	.000000
1FIL4	.000000	.000000	-0.092097	.000000
1FIL5	.000000	.000000	-0.090583	.000000
1FIL6	.000000	.000000	-0.086733	.000000
1FIL7	.000000	.000000	-0.084647	.000000
1FIL8	.000000	.000000	-0.112357	.000000

1FIL9	.000000	.000000	-0.084647	.000000
2FIL1	.000000	.000000	-0.031991	.000000
2FIL2	.000000	.000000	-0.125552	.000000
2FIL3	.000000	.000000	-0.133141	.000000
2FIL4	.000000	.000000	-0.136435	.000000
2FIL5	.000000	.000000	-0.134168	.000000
2FIL6	.000000	.000000	-0.128401	.000000
2FIL7	.000000	.000000	-0.125277	.000000
2FIL8	.000000	.000000	-0.165450	.000000
2FIL9	.000000	.000000	-0.125277	.000000
3FIL1	.000000	.000000	-0.059681	.000000
3FIL2	.000000	.000000	-0.170325	.000000
3FIL3	.000000	.000000	-0.180939	.000000
3FIL4	.000000	.000000	-0.185596	.000000
3FIL5	.000000	.000000	-0.182372	.000000
3FIL6	.000000	.000000	-0.174327	.000000
3FIL7	.000000	.000000	-0.170029	.000000
3FIL8	.000000	.000000	-0.222187	.000000
3FIL9	.000000	.000000	-0.170029	.000000
4FIL1	.000000	.000000	-0.084153	.000000
4FIL2	.000000	.000000	-0.211457	.000000
4FIL3	.000000	.000000	-0.225036	.000000
4FIL4	.000000	.000000	-0.231075	.000000
4FIL5	.000000	.000000	-0.226936	.000000
4FIL6	.000000	.000000	-0.216612	.000000
4FIL7	.000000	.000000	-0.211161	.000000
4FIL8	.000000	.000000	-0.272135	.000000
4FIL9	.000000	.000000	-0.211161	.000000
5FIL1	.000000	.000000	-0.112342	.000000
5FIL2	.000000	.000000	-0.261673	.000000
5FIL3	.000000	.000000	-0.278598	.000000
5FIL4	.000000	.000000	-0.286813	.000000
5FIL5	.000000	.000000	-0.281778	.000000
5FIL6	.000000	.000000	-0.268383	.000000
5FIL7	.000000	.000000	-0.261377	.000000
5FIL8	.000000	.000000	-0.329312	.000000
5FIL9	.000000	.000000	-0.261377	.000000
1FIL10	.000000	.000000	-0.086596	.000000
1FIL11	.000000	.000000	-0.090446	.000000
1FIL12	.000000	.000000	-0.090446	.000000
1FIL13	.000000	.000000	-0.086596	.000000
1FIL14	.000000	.000000	-0.084647	.000000
1FIL15	.000000	.000000	-0.111551	.000000
2FIL10	.000000	.000000	-0.128196	.000000
2FIL11	.000000	.000000	-0.133963	.000000
2FIL12	.000000	.000000	-0.133963	.000000
2FIL13	.000000	.000000	-0.128196	.000000
2FIL14	.000000	.000000	-0.125277	.000000
2FIL15	.000000	.000000	-0.164320	.000000
3FIL10	.000000	.000000	-0.174101	.000000
3FIL11	.000000	.000000	-0.182146	.000000
3FIL12	.000000	.000000	-0.182146	.000000
3FIL13	.000000	.000000	-0.174101	.000000
3FIL14	.000000	.000000	-0.170029	.000000
3FIL15	.000000	.000000	-0.220742	.000000
4FIL10	.000000	.000000	-0.216387	.000000
4FIL11	.000000	.000000	-0.226710	.000000
4FIL12	.000000	.000000	-0.226710	.000000
4FIL13	.000000	.000000	-0.216387	.000000
4FIL14	.000000	.000000	-0.211161	.000000
4FIL15	.000000	.000000	-0.270454	.000000
5FIL10	.000000	.000000	-0.268157	.000000
5FIL11	.000000	.000000	-0.281552	.000000

5FIL12	.000000	.000000	-0.281552	.000000
5FIL13	.000000	.000000	-0.268157	.000000
5FIL14	.000000	.000000	-0.261377	.000000
5FIL15	.000000	.000000	-0.327435	.000000

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S P R I N G F O R C E S

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

LOAD DEAD ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	3.14E-06
2	.000000	.000000	.000000	6.74E-20

LOADMANIFOLD ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	1.86E-19
2	.000000	.000000	.000000	9.12E-19

LOAD TBAR ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	1.69E-21
2	.000000	.000000	.000000	3.12E-19

LOADTOPCOVER ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	0.000128
2	.000000	.000000	.000000	2.01E-19

LOAD PEWALLS ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000

LOADHOTBASIN ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	2.95E-20
2	.000000	.000000	.000000	1.54E-19

LOADDRIFTELM ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	-2.40E-21
2	.000000	.000000	.000000	1.65E-20

LOADFANMOTOR ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	-0.000248
2	.000000	.000000	.000000	1.96E-19

LOADCABLETRY ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000

LOADLOUVERWL ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000

LOAD SECDIST ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	4.70E-05
2	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MAX

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	0.000426
2	.000000	.000000	.000000	1.86E-18

COMBDEADLOAD ---------- MIN

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	-0.000426
2	.000000	.000000	.000000	-1.86E-18

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R E S T R A I N T F O R C E S (R E A C T I O N S)

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

LOAD DEAD ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	345.861139	.000000
A3	.000000	.000000	359.861140	.000000
A4	.000000	.000000	345.361139	.000000
A5	.000000	.000000	345.361139	.000000
A6	.000000	.000000	345.361139	.000000
A7	.000000	.000000	330.861138	.000000
A8	.000000	.000000	330.861138	.000000
A9	.000000	.000000	330.861138	.000000
D1	.000000	.000000	207.444461	.000000
A10	.000000	.000000	330.861138	.000000
A11	.000000	.000000	330.861138	.000000
A12	.000000	.000000	330.861138	.000000
A13	.000000	.000000	330.861138	.000000
A14	.000000	.000000	330.861138	.000000
A15	.000000	.000000	239.611130	.000000

LOADMANIFOLD ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	3788.000	.000000
A3	.000000	.000000	3788.000	.000000
A4	.000000	.000000	3788.000	.000000

A5	.000000	.000000	3788.000	.000000
A6	.000000	.000000	3788.000	.000000
A7	.000000	.000000	3788.000	.000000
A8	.000000	.000000	3788.000	.000000
A9	.000000	.000000	3788.000	.000000
D1	.000000	.000000	1894.000	.000000
A10	.000000	.000000	3788.000	.000000
A11	.000000	.000000	3788.000	.000000
A12	.000000	.000000	3788.000	.000000
A13	.000000	.000000	3788.000	.000000
A14	.000000	.000000	3788.000	.000000
A15	.000000	.000000	3788.000	.000000

LOAD TBAR ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	2174.000	.000000
A3	.000000	.000000	2174.000	.000000
A4	.000000	.000000	2174.000	.000000
A5	.000000	.000000	2174.000	.000000
A6	.000000	.000000	2174.000	.000000
A7	.000000	.000000	2174.000	.000000
A8	.000000	.000000	2174.000	.000000
A9	.000000	.000000	2174.000	.000000
D1	.000000	.000000	1088.000	.000000
A10	.000000	.000000	2174.000	.000000
A11	.000000	.000000	2174.000	.000000
A12	.000000	.000000	2174.000	.000000
A13	.000000	.000000	2174.000	.000000
A14	.000000	.000000	2174.000	.000000
A15	.000000	.000000	2174.000	.000000

LOADTOPCOVER ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	1747.000	.000000
A3	.000000	.000000	1528.000	.000000
A4	.000000	.000000	1092.000	.000000
A5	.000000	.000000	1092.000	.000000
A6	.000000	.000000	1528.000	.000000
A7	.000000	.000000	1747.000	.000000
A8	.000000	.000000	1747.000	.000000
A9	.000000	.000000	1747.000	.000000
D1	.000000	.000000	873.000000	.000000
A10	.000000	.000000	1528.000	.000000
A11	.000000	.000000	1092.000	.000000
A12	.000000	.000000	1092.000	.000000
A13	.000000	.000000	1528.000	.000000
A14	.000000	.000000	1747.000	.000000
A15	.000000	.000000	1747.000	.000000

LOAD PEWALLS ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	2929.000	.000000
A9	.000000	.000000	.000000	.000000
D1	.000000	.000000	1275.000	.000000

A10	.000000	.000000	.000000	.000000
A11	.000000	.000000	.000000	.000000
A12	.000000	.000000	.000000	.000000
A13	.000000	.000000	.000000	.000000
A14	.000000	.000000	.000000	.000000
A15	.000000	.000000	2929.000	.000000

LOADHOTBASIN ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	828.000000	.000000
A3	.000000	.000000	828.000000	.000000
A4	.000000	.000000	828.000000	.000000
A5	.000000	.000000	828.000000	.000000
A6	.000000	.000000	828.000000	.000000
A7	.000000	.000000	828.000000	.000000
A8	.000000	.000000	828.000000	.000000
A9	.000000	.000000	828.000000	.000000
D1	.000000	.000000	414.000000	.000000
A10	.000000	.000000	828.000000	.000000
A11	.000000	.000000	828.000000	.000000
A12	.000000	.000000	828.000000	.000000
A13	.000000	.000000	828.000000	.000000
A14	.000000	.000000	828.000000	.000000
A15	.000000	.000000	828.000000	.000000

LOADDRIFTELM ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	110.000000	.000000
A3	.000000	.000000	110.000000	.000000
A4	.000000	.000000	110.000000	.000000
A5	.000000	.000000	110.000000	.000000
A6	.000000	.000000	110.000000	.000000
A7	.000000	.000000	110.000000	.000000
A8	.000000	.000000	110.000000	.000000
A9	.000000	.000000	110.000000	.000000
D1	.000000	.000000	55.000000	.000000
A10	.000000	.000000	110.000000	.000000
A11	.000000	.000000	110.000000	.000000
A12	.000000	.000000	110.000000	.000000
A13	.000000	.000000	110.000000	.000000
A14	.000000	.000000	110.000000	.000000
A15	.000000	.000000	110.000000	.000000

LOADFANMOTOR ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	.000000	.000000
A3	.000000	.000000	425.000003	.000000
A4	.000000	.000000	1268.000	.000000
A5	.000000	.000000	1268.000	.000000
A6	.000000	.000000	425.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
A9	.000000	.000000	.000000	.000000
D1	.000000	.000000	.000000	.000000
A10	.000000	.000000	425.000000	.000000
A11	.000000	.000000	1268.000	.000000
A12	.000000	.000000	1268.000	.000000
A13	.000000	.000000	425.000000	.000000
A14	.000000	.000000	.000000	.000000
A15	.000000	.000000	.000000	.000000

LOADCABLETRY ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
A9	.000000	.000000	.000000	.000000
D1	.000000	.000000	.000000	.000000
A10	.000000	.000000	.000000	.000000
A11	.000000	.000000	.000000	.000000
A12	.000000	.000000	.000000	.000000
A13	.000000	.000000	.000000	.000000
A14	.000000	.000000	.000000	.000000
A15	.000000	.000000	.000000	.000000

LOADLOUVERWL ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
A9	.000000	.000000	.000000	.000000
D1	.000000	.000000	.000000	.000000
A10	.000000	.000000	.000000	.000000
A11	.000000	.000000	.000000	.000000
A12	.000000	.000000	.000000	.000000
A13	.000000	.000000	.000000	.000000
A14	.000000	.000000	.000000	.000000
A15	.000000	.000000	.000000	.000000

LOAD SECDIST ----------

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	.000000	.000000
A3	.000000	.000000	319.999999	.000000
A4	.000000	.000000	160.000001	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
A9	.000000	.000000	.000000	.000000
D1	.000000	.000000	.000000	.000000
A10	.000000	.000000	.000000	.000000
A11	.000000	.000000	.000000	.000000
A12	.000000	.000000	.000000	.000000
A13	.000000	.000000	.000000	.000000
A14	.000000	.000000	.000000	.000000
A15	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MAX

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	8992.861	.000000
A3	.000000	.000000	9532.861	.000000

A4	.000000	.000000	9765.361	.000000
A5	.000000	.000000	9605.361	.000000
A6	.000000	.000000	9198.361	.000000
A7	.000000	.000000	8977.861	.000000
A8	.000000	.000000	11906.861	.000000
A9	.000000	.000000	8977.861	.000000
D1	.000000	.000000	5806.444	.000000
A10	.000000	.000000	9183.861	.000000
A11	.000000	.000000	9590.861	.000000
A12	.000000	.000000	9590.861	.000000
A13	.000000	.000000	9183.861	.000000
A14	.000000	.000000	8977.861	.000000
A15	.000000	.000000	11815.611	.000000

COMBDEADLOAD ---------- MIN

JOINT	FX	FY	FZ	MY
A2	.000000	.000000	-8992.861	.000000
A3	.000000	.000000	-9532.861	.000000
A4	.000000	.000000	-9765.361	.000000
A5	.000000	.000000	-9605.361	.000000
A6	.000000	.000000	-9198.361	.000000
A7	.000000	.000000	-8977.861	.000000
A8	.000000	.000000	-11906.861	.000000
A9	.000000	.000000	-8977.861	.000000
D1	.000000	.000000	-5806.444	.000000
A10	.000000	.000000	-9183.861	.000000
A11	.000000	.000000	-9590.861	.000000
A12	.000000	.000000	-9590.861	.000000
A13	.000000	.000000	-9183.861	.000000
A14	.000000	.000000	-8977.861	.000000
A15	.000000	.000000	-11815.611	.000000

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C O N S T R A I N T F O R C E S

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

LOAD DEAD ----------

JOINT	FX	FY	FZ	MY
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000

O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADMANIFOLD ----------

JOINT	FX	FY	FZ	MY
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000

M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOAD TBAR ----------

JOINT	FX	FY	FZ	MY
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000

O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADTOPCOVER ----------

JOINT	FX	FY	FZ	MY
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000

5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOAD PEWALLS ----------

JOINT	FX	FY	FZ	MY
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000

5FIL15	.000000	.000000	.000000	.000000

LOADHOTBASIN ----------

JOINT	FX	FY	FZ	MY
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADDRIFTELM ----------

JOINT	FX	FY	FZ	MY
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000

M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADFANMOTOR ----------

JOINT	FX	FY	FZ	MY
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000

N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADCABLETRY ----------

JOINT	FX	FY	FZ	MY
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000

O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADLOUVERWL ----------

JOINT	FX	FY	FZ	MY
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000

M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOAD SECDIST ----------

JOINT	FX	FY	FZ	MY
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000

P15	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MAX

JOINT	FX	FY	FZ	MY
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000

5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

JOINT	FX	FY	FZ	MY
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

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G L O B A L   F O R C E   B A L A N C E

TOTAL FORCE AND MOMENT AT THE ORIGIN, IN GLOBAL COORDINATES

LOAD    DEAD ------------------

                FX          FY          FZ          MX          MY          MZ
APPLIED     .000000   -1.69E-29   -4835.750 -580290.046  2.4271E+06   -1.16E-26
SPRINGS     .000000     .000000     .000000     .000000    3.14E-06     .000000
REACTNS     .000000     .000000    4835.750  580290.046 -2.4271E+06     .000000
CONSTRS     .000000     .000000     .000000     .000000     .000000     .000000

  TOTAL     .000000   -1.69E-29   -2.18E-11   -9.31E-10   -2.79E-09   -1.16E-26

LOADMANIFOLD ------------------

                FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000  -54926.000 -6.5911E+06  2.8637E+07     .000000
SPRINGS     .000000     .000000     .000000     .000000    1.10E-18     .000000
REACTNS     .000000     .000000   54926.000  6.5911E+06 -2.8637E+07     .000000
CONSTRS     .000000     .000000     .000000     .000000     .000000     .000000

  TOTAL     .000000     .000000   -1.02E-10   -1.21E-08    1.49E-08     .000000

LOAD    TBAR ------------------

                FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000  -31524.000 -3.7829E+06  1.6435E+07     .000000
SPRINGS     .000000     .000000     .000000     .000000    3.14E-19     .000000
REACTNS     .000000     .000000   31524.000  3.7829E+06 -1.6435E+07     .000000
CONSTRS     .000000     .000000     .000000     .000000     .000000     .000000

  TOTAL     .000000     .000000    2.91E-11    4.19E-09   -3.17E-08     .000000

LOADTOPCOVER ------------------

                FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000  -21835.000 -2.6202E+06  1.1445E+07     .000000
SPRINGS     .000000     .000000     .000000     .000000    0.000128     .000000
REACTNS     .000000     .000000   21835.000  2.6202E+06 -1.1445E+07     .000000
CONSTRS     .000000     .000000     .000000     .000000     .000000     .000000

  TOTAL     .000000     .000000   -3.64E-11   -4.66E-09   -3.73E-09     .000000

LOAD PEWALLS ------------------

                FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000   -7133.000 -855960.000  4.4286E+06     .000000
SPRINGS     .000000     .000000     .000000     .000000     .000000     .000000
REACTNS     .000000     .000000    7133.000  855960.000 -4.4286E+06     .000000
CONSTRS     .000000     .000000     .000000     .000000     .000000     .000000

  TOTAL     .000000     .000000   -1.91E-11   -2.33E-09    1.30E-08     .000000

LOADHOTBASIN ------------------

                FX          FY          FZ          MX          MY          MZ
```

APPLIED	.000000	.000000	-12006.000	-1.4407E+06	6.2597E+06	.000000
SPRINGS	.000000	.000000	.000000	.000000	1.83E-19	.000000
REACTNS	.000000	.000000	12006.000	1.4407E+06	-6.2597E+06	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	-2.55E-11	-3.03E-09	2.79E-09	.000000

LOADDRIFTELM ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-1595.000	-191400.000	831600.000	.000000
SPRINGS	.000000	.000000	.000000	.000000	1.41E-20	.000000
REACTNS	.000000	.000000	1595.000	191400.000	-831600.000	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	-1.14E-12	-1.16E-10	-5.82E-10	.000000

LOADFANMOTOR ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-6772.000	-812640.000	3.4131E+06	.000000
SPRINGS	.000000	.000000	.000000	.000000	-0.000248	.000000
REACTNS	.000000	.000000	6772.000	812640.000	-3.4131E+06	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	-3.18E-11	-3.84E-09	1.77E-08	.000000

LOADCABLETRY ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	.000000	.000000	.000000	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	.000000	.000000	.000000	.000000

LOADLOUVERWL ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	.000000	.000000	.000000	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	.000000	.000000	.000000	.000000

LOAD SECDIST ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-480.000000	-57600.000	80640.000	.000000
SPRINGS	.000000	.000000	.000000	.000000	4.70E-05	.000000
REACTNS	.000000	.000000	480.000000	57600.000	-80640.000	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	-5.68E-12	-6.84E-10	9.60E-10	.000000

COMBDEADLOAD ---------- MAX

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	1.69E-29	141106.750	1.6933E+07	7.3959E+07	1.16E-26
SPRINGS	.000000	.000000	.000000	.000000	0.000426	.000000
REACTNS	.000000	.000000	141106.750	1.6933E+07	7.3959E+07	.000000

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CONSTRS     .000000     .000000     .000000     .000000     .000000     .000000

  TOTAL     .000000    1.69E-29    2.72E-10    3.19E-08    8.82E-08    1.16E-26

COMBDEADLOAD ------------------ MIN

                FX          FY          FZ          MX          MY          MZ
APPLIED     .000000   -1.69E-29 -141106.750 -1.6933E+07 -7.3959E+07   -1.16E-26
SPRINGS     .000000     .000000     .000000     .000000   -0.000426     .000000
REACTNS     .000000     .000000 -141106.750 -1.6933E+07 -7.3959E+07     .000000
CONSTRS     .000000     .000000     .000000     .000000     .000000     .000000

  TOTAL     .000000   -1.69E-29   -2.72E-10   -3.19E-08   -8.82E-08   -1.16E-26


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F R A M E   E L E M E N T   I N T E R N A L   F O R C E S

ELEM       1 ================== LENGTH =   18.250000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    5773.444     .000000     .000000     .000000     .000000     .000000
0.50000    5771.374     .000000     .000000     .000000     .000000     .000000
1.00000    5769.304     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -5773.444     .000000     .000000     .000000     .000000     .000000
0.50000   -5771.374     .000000     .000000     .000000     .000000     .000000
1.00000   -5769.304     .000000     .000000     .000000     .000000     .000000

ELEM       2 ================== LENGTH =    8.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    5640.304     .000000     .000000     .000000     .000000     .000000
0.50000    5639.340     .000000     .000000     .000000     .000000     .000000
1.00000    5638.376     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -5640.304     .000000     .000000     .000000     .000000     .000000
0.50000   -5639.340     .000000     .000000     .000000     .000000     .000000
1.00000   -5638.376     .000000     .000000     .000000     .000000     .000000

ELEM       3 ================== LENGTH =   48.250000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    5522.876     .000000     .000000     .000000     .000000     .000000
0.50000    5517.403     .000000     .000000     .000000     .000000     .000000
1.00000    5511.931     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	-5522.876	.000000	.000000	.000000	.000000	.000000
0.50000	-5517.403	.000000	.000000	.000000	.000000	.000000
1.00000	-5511.931	.000000	.000000	.000000	.000000	.000000

ELEM 4 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	5384.931	.000000	.000000	.000000	.000000	.000000
0.50000	5382.208	.000000	.000000	.000000	.000000	.000000
1.00000	5379.486	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-5384.931	.000000	.000000	.000000	.000000	.000000
0.50000	-5382.208	.000000	.000000	.000000	.000000	.000000
1.00000	-5379.486	.000000	.000000	.000000	.000000	.000000

ELEM 5 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	5084.486	.000000	.000000	.000000	.000000	.000000
0.50000	5081.764	.000000	.000000	.000000	.000000	.000000
1.00000	5079.042	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-5084.486	.000000	.000000	.000000	.000000	.000000
0.50000	-5081.764	.000000	.000000	.000000	.000000	.000000
1.00000	-5079.042	.000000	.000000	.000000	.000000	.000000

ELEM 6 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	4952.042	.000000	.000000	.000000	.000000	.000000
0.50000	4946.597	.000000	.000000	.000000	.000000	.000000
1.00000	4941.153	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-4952.042	.000000	.000000	.000000	.000000	.000000
0.50000	-4946.597	.000000	.000000	.000000	.000000	.000000
1.00000	-4941.153	.000000	.000000	.000000	.000000	.000000

ELEM 7 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	4814.153	.000000	.000000	.000000	.000000	.000000
0.50000	4811.431	.000000	.000000	.000000	.000000	.000000
1.00000	4808.708	.000000	.000000	.000000	.000000	.000000

```
COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -4814.153     .000000     .000000     .000000     .000000     .000000
0.50000   -4811.431     .000000     .000000     .000000     .000000     .000000
1.00000   -4808.708     .000000     .000000     .000000     .000000     .000000

ELEM       8 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    4509.708     .000000     .000000     .000000     .000000     .000000
0.50000    4506.986     .000000     .000000     .000000     .000000     .000000
1.00000    4504.264     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -4509.708     .000000     .000000     .000000     .000000     .000000
0.50000   -4506.986     .000000     .000000     .000000     .000000     .000000
1.00000   -4504.264     .000000     .000000     .000000     .000000     .000000

ELEM       9 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    4377.264     .000000     .000000     .000000     .000000     .000000
0.50000    4371.819     .000000     .000000     .000000     .000000     .000000
1.00000    4366.375     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -4377.264     .000000     .000000     .000000     .000000     .000000
0.50000   -4371.819     .000000     .000000     .000000     .000000     .000000
1.00000   -4366.375     .000000     .000000     .000000     .000000     .000000

ELEM      10 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    4239.375     .000000     .000000     .000000     .000000     .000000
0.50000    4236.653     .000000     .000000     .000000     .000000     .000000
1.00000    4233.931     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -4239.375     .000000     .000000     .000000     .000000     .000000
0.50000   -4236.653     .000000     .000000     .000000     .000000     .000000
1.00000   -4233.931     .000000     .000000     .000000     .000000     .000000

ELEM      11 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3922.931     .000000     .000000     .000000     .000000     .000000
0.50000    3920.208     .000000     .000000     .000000     .000000     .000000
1.00000    3917.486     .000000     .000000     .000000     .000000     .000000
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```
COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3922.931     .000000     .000000     .000000     .000000     .000000
0.50000   -3920.208     .000000     .000000     .000000     .000000     .000000
1.00000   -3917.486     .000000     .000000     .000000     .000000     .000000

ELEM      12 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3790.486     .000000     .000000     .000000     .000000     .000000
0.50000    3785.042     .000000     .000000     .000000     .000000     .000000
1.00000    3779.597     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3790.486     .000000     .000000     .000000     .000000     .000000
0.50000   -3785.042     .000000     .000000     .000000     .000000     .000000
1.00000   -3779.597     .000000     .000000     .000000     .000000     .000000

ELEM      14 ================== LENGTH =    9.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3527.708     .000000     .000000     .000000     .000000     .000000
0.50000    3526.638     .000000     .000000     .000000     .000000     .000000
1.00000    3525.567     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3527.708     .000000     .000000     .000000     .000000     .000000
0.50000   -3526.638     .000000     .000000     .000000     .000000     .000000
1.00000   -3525.567     .000000     .000000     .000000     .000000     .000000

ELEM      15 ================== LENGTH =    5.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3444.567     .000000     .000000     .000000     .000000     .000000
0.50000    3443.936     .000000     .000000     .000000     .000000     .000000
1.00000    3443.306     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3444.567     .000000     .000000     .000000     .000000     .000000
0.50000   -3443.936     .000000     .000000     .000000     .000000     .000000
1.00000   -3443.306     .000000     .000000     .000000     .000000     .000000

ELEM      16 ================== LENGTH =   63.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1004.306     .000000     .000000     .000000     .000000     .000000
0.50000  997.159724     .000000     .000000     .000000     .000000     .000000
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1.00000  990.013890     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1004.306     .000000     .000000     .000000     .000000     .000000
0.50000 -997.159724     .000000     .000000     .000000     .000000     .000000
1.00000 -990.013890     .000000     .000000     .000000     .000000     .000000

ELEM      17 ================== LENGTH =   21.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  990.013890     .000000     .000000     .000000     .000000     .000000
0.50000  987.631945     .000000     .000000     .000000     .000000     .000000
1.00000  985.250001     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -990.013890     .000000     .000000     .000000     .000000     .000000
0.50000 -987.631945     .000000     .000000     .000000     .000000     .000000
1.00000 -985.250001     .000000     .000000     .000000     .000000     .000000

ELEM      18 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM      19 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   14.500001    1.76E-15     .000000     .000000     .000000
0.25000     .000000    7.250001    8.78E-16     .000000    2.37E-14  195.750016
0.50000     .000000    3.89E-15    6.41E-31     .000000    3.16E-14  261.000021
0.75000     .000000    7.250001    8.78E-16     .000000    2.37E-14  195.750016
1.00000     .000000   14.500001    1.76E-15     .000000    4.50E-29    2.76E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000  -14.500001   -1.76E-15     .000000     .000000     .000000
0.25000     .000000   -7.250001   -8.78E-16     .000000   -2.37E-14 -195.750016
0.50000     .000000   -3.89E-15   -6.41E-31     .000000   -3.16E-14 -261.000021
0.75000     .000000   -7.250001   -8.78E-16     .000000   -2.37E-14 -195.750016
```

```
1.00000     .000000  -14.500001   -1.76E-15     .000000   -4.50E-29   -2.76E-13

ELEM      21 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM      22 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM      23 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM      24 ================== LENGTH =   72.000000
```

```
COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM      25 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM      26 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM      27 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 29 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 30 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 32 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.250001	8.78E-16	.000000	.000000	.000000
0.25000	.000000	3.625000	4.39E-16	.000000	1.19E-14	97.875008

0.50000	.000000	5.11E-15	8.01E-32	.000000	1.58E-14	130.500010
0.75000	.000000	3.625000	4.39E-16	.000000	1.19E-14	97.875008
1.00000	.000000	7.250001	8.78E-16	.000000	5.65E-30	3.48E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.250001	-8.78E-16	.000000	.000000	.000000
0.25000	.000000	-3.625000	-4.39E-16	.000000	-1.19E-14	-97.875008
0.50000	.000000	-5.11E-15	-8.01E-32	.000000	-1.58E-14	-130.500010
0.75000	.000000	-3.625000	-4.39E-16	.000000	-1.19E-14	-97.875008
1.00000	.000000	-7.250001	-8.78E-16	.000000	-5.65E-30	-3.48E-13

ELEM 33 ========== LENGTH = 60.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8992.861	.000000	.000000	.000000	.000000	.000000
0.50000	8985.999	.000000	.000000	.000000	.000000	.000000
1.00000	8979.137	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8992.861	.000000	.000000	.000000	.000000	.000000
0.50000	-8985.999	.000000	.000000	.000000	.000000	.000000
1.00000	-8979.137	.000000	.000000	.000000	.000000	.000000

ELEM 34 ========== LENGTH = 62.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8972.137	.000000	.000000	.000000	.000000	.000000
0.50000	8965.104	.000000	.000000	.000000	.000000	.000000
1.00000	8958.072	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8972.137	.000000	.000000	.000000	.000000	.000000
0.50000	-8965.104	.000000	.000000	.000000	.000000	.000000
1.00000	-8958.072	.000000	.000000	.000000	.000000	.000000

ELEM 35 ========== LENGTH = 39.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8951.072	.000000	.000000	.000000	.000000	.000000
0.50000	8946.563	.000000	.000000	.000000	.000000	.000000
1.00000	8942.054	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8951.072	.000000	.000000	.000000	.000000	.000000
0.50000	-8946.563	.000000	.000000	.000000	.000000	.000000
1.00000	-8942.054	.000000	.000000	.000000	.000000	.000000

ELEM 36 ========== LENGTH = 8.500000

```
COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8684.054     .000000     .000000     .000000     .000000     .000000
0.50000    8683.090     .000000     .000000     .000000     .000000     .000000
1.00000    8682.126     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8684.054     .000000     .000000     .000000     .000000     .000000
0.50000   -8683.090     .000000     .000000     .000000     .000000     .000000
1.00000   -8682.126     .000000     .000000     .000000     .000000     .000000

ELEM      37 ================== LENGTH =   48.250000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8653.626     .000000     .000000     .000000     .000000     .000000
0.50000    8648.153     .000000     .000000     .000000     .000000     .000000
1.00000    8642.681     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8653.626     .000000     .000000     .000000     .000000     .000000
0.50000   -8648.153     .000000     .000000     .000000     .000000     .000000
1.00000   -8642.681     .000000     .000000     .000000     .000000     .000000

ELEM      38 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8628.681     .000000     .000000     .000000     .000000     .000000
0.50000    8625.958     .000000     .000000     .000000     .000000     .000000
1.00000    8623.236     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8628.681     .000000     .000000     .000000     .000000     .000000
0.50000   -8625.958     .000000     .000000     .000000     .000000     .000000
1.00000   -8623.236     .000000     .000000     .000000     .000000     .000000

ELEM      39 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8034.236     .000000     .000000     .000000     .000000     .000000
0.50000    8031.514     .000000     .000000     .000000     .000000     .000000
1.00000    8028.792     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8034.236     .000000     .000000     .000000     .000000     .000000
0.50000   -8031.514     .000000     .000000     .000000     .000000     .000000
1.00000   -8028.792     .000000     .000000     .000000     .000000     .000000

ELEM      40 ================== LENGTH =   48.000000
```

```
COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8000.292     .000000     .000000     .000000     .000000     .000000
0.50000    7994.847     .000000     .000000     .000000     .000000     .000000
1.00000    7989.403     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8000.292     .000000     .000000     .000000     .000000     .000000
0.50000   -7994.847     .000000     .000000     .000000     .000000     .000000
1.00000   -7989.403     .000000     .000000     .000000     .000000     .000000

ELEM      41 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7975.403     .000000     .000000     .000000     .000000     .000000
0.50000    7972.681     .000000     .000000     .000000     .000000     .000000
1.00000    7969.958     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7975.403     .000000     .000000     .000000     .000000     .000000
0.50000   -7972.681     .000000     .000000     .000000     .000000     .000000
1.00000   -7969.958     .000000     .000000     .000000     .000000     .000000

ELEM      42 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7372.958     .000000     .000000     .000000     .000000     .000000
0.50000    7370.236     .000000     .000000     .000000     .000000     .000000
1.00000    7367.514     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7372.958     .000000     .000000     .000000     .000000     .000000
0.50000   -7370.236     .000000     .000000     .000000     .000000     .000000
1.00000   -7367.514     .000000     .000000     .000000     .000000     .000000

ELEM      43 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7353.514     .000000     .000000     .000000     .000000     .000000
0.50000    7348.069     .000000     .000000     .000000     .000000     .000000
1.00000    7342.625     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7353.514     .000000     .000000     .000000     .000000     .000000
0.50000   -7348.069     .000000     .000000     .000000     .000000     .000000
1.00000   -7342.625     .000000     .000000     .000000     .000000     .000000
```

ELEM 44 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7328.625	.000000	.000000	.000000	.000000	.000000
0.50000	7325.903	.000000	.000000	.000000	.000000	.000000
1.00000	7323.181	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7328.625	.000000	.000000	.000000	.000000	.000000
0.50000	-7325.903	.000000	.000000	.000000	.000000	.000000
1.00000	-7323.181	.000000	.000000	.000000	.000000	.000000

ELEM 45 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	6701.181	.000000	.000000	.000000	.000000	.000000
0.50000	6698.458	.000000	.000000	.000000	.000000	.000000
1.00000	6695.736	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-6701.181	.000000	.000000	.000000	.000000	.000000
0.50000	-6698.458	.000000	.000000	.000000	.000000	.000000
1.00000	-6695.736	.000000	.000000	.000000	.000000	.000000

ELEM 46 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	6681.736	.000000	.000000	.000000	.000000	.000000
0.50000	6676.292	.000000	.000000	.000000	.000000	.000000
1.00000	6670.847	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-6681.736	.000000	.000000	.000000	.000000	.000000
0.50000	-6676.292	.000000	.000000	.000000	.000000	.000000
1.00000	-6670.847	.000000	.000000	.000000	.000000	.000000

ELEM 48 ========== LENGTH = 9.437500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	6575.958	.000000	.000000	.000000	.000000	.000000
0.50000	6574.888	.000000	.000000	.000000	.000000	.000000
1.00000	6573.817	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-6575.958	.000000	.000000	.000000	.000000	.000000
0.50000	-6574.888	.000000	.000000	.000000	.000000	.000000
1.00000	-6573.817	.000000	.000000	.000000	.000000	.000000

ELEM 49 ========== LENGTH = 5.562500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	6411.817	.000000	.000000	.000000	.000000	.000000
0.50000	6411.186	.000000	.000000	.000000	.000000	.000000
1.00000	6410.556	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-6411.817	.000000	.000000	.000000	.000000	.000000
0.50000	-6411.186	.000000	.000000	.000000	.000000	.000000
1.00000	-6410.556	.000000	.000000	.000000	.000000	.000000

ELEM 50 ========== LENGTH = 84.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1780.556	.000000	.000000	.000000	.000000	.000000
0.50000	1771.028	.000000	.000000	.000000	.000000	.000000
1.00000	1761.500	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1780.556	.000000	.000000	.000000	.000000	.000000
0.50000	-1771.028	.000000	.000000	.000000	.000000	.000000
1.00000	-1761.500	.000000	.000000	.000000	.000000	.000000

ELEM 51 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 52 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 53 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 54 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 56 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 58 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	14.500001	1.76E-15	.000000	.000000	.000000
0.25000	.000000	7.250001	8.78E-16	.000000	2.37E-14	195.750016
0.50000	.000000	3.89E-15	6.41E-31	.000000	3.16E-14	261.000021
0.75000	.000000	7.250001	8.78E-16	.000000	2.37E-14	195.750016
1.00000	.000000	14.500001	1.76E-15	.000000	4.50E-29	2.76E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-14.500001	-1.76E-15	.000000	.000000	.000000
0.25000	.000000	-7.250001	-8.78E-16	.000000	-2.37E-14	-195.750016
0.50000	.000000	-3.89E-15	-6.41E-31	.000000	-3.16E-14	-261.000021
0.75000	.000000	-7.250001	-8.78E-16	.000000	-2.37E-14	-195.750016
1.00000	.000000	-14.500001	-1.76E-15	.000000	-4.50E-29	-2.76E-13

ELEM 59 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 61 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008

```
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM      62 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM      64 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM      66 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13
```

ELEM 68 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 69 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 70 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.250001	8.78E-16	.000000	.000000	.000000
0.25000	.000000	3.625000	4.39E-16	.000000	1.19E-14	97.875008
0.50000	.000000	5.11E-15	8.01E-32	.000000	1.58E-14	130.500010
0.75000	.000000	3.625000	4.39E-16	.000000	1.19E-14	97.875008
1.00000	.000000	7.250001	8.78E-16	.000000	5.65E-30	3.48E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.250001	-8.78E-16	.000000	.000000	.000000
0.25000	.000000	-3.625000	-4.39E-16	.000000	-1.19E-14	-97.875008
0.50000	.000000	-5.11E-15	-8.01E-32	.000000	-1.58E-14	-130.500010
0.75000	.000000	-3.625000	-4.39E-16	.000000	-1.19E-14	-97.875008
1.00000	.000000	-7.250001	-8.78E-16	.000000	-5.65E-30	-3.48E-13

ELEM 71 ========== LENGTH = 60.500000

```
COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9532.861     .000000     .000000     .000000     .000000     .000000
0.50000    9525.999     .000000     .000000     .000000     .000000     .000000
1.00000    9519.137     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9532.861     .000000     .000000     .000000     .000000     .000000
0.50000   -9525.999     .000000     .000000     .000000     .000000     .000000
1.00000   -9519.137     .000000     .000000     .000000     .000000     .000000

ELEM      72 ================== LENGTH =   62.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9505.137     .000000     .000000     .000000     .000000     .000000
0.50000    9498.104     .000000     .000000     .000000     .000000     .000000
1.00000    9491.072     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9505.137     .000000     .000000     .000000     .000000     .000000
0.50000   -9498.104     .000000     .000000     .000000     .000000     .000000
1.00000   -9491.072     .000000     .000000     .000000     .000000     .000000

ELEM      73 ================== LENGTH =   39.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9477.072     .000000     .000000     .000000     .000000     .000000
0.50000    9472.563     .000000     .000000     .000000     .000000     .000000
1.00000    9468.054     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9477.072     .000000     .000000     .000000     .000000     .000000
0.50000   -9472.563     .000000     .000000     .000000     .000000     .000000
1.00000   -9468.054     .000000     .000000     .000000     .000000     .000000

ELEM      74 ================== LENGTH =    8.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9210.054     .000000     .000000     .000000     .000000     .000000
0.50000    9209.090     .000000     .000000     .000000     .000000     .000000
1.00000    9208.126     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9210.054     .000000     .000000     .000000     .000000     .000000
0.50000   -9209.090     .000000     .000000     .000000     .000000     .000000
1.00000   -9208.126     .000000     .000000     .000000     .000000     .000000

ELEM      75 ================== LENGTH =   48.250000
```

```
COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9194.126     .000000     .000000     .000000     .000000     .000000
0.50000    9188.653     .000000     .000000     .000000     .000000     .000000
1.00000    9183.181     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9194.126     .000000     .000000     .000000     .000000     .000000
0.50000   -9188.653     .000000     .000000     .000000     .000000     .000000
1.00000   -9183.181     .000000     .000000     .000000     .000000     .000000

ELEM      76 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9169.181     .000000     .000000     .000000     .000000     .000000
0.50000    9166.458     .000000     .000000     .000000     .000000     .000000
1.00000    9163.736     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9169.181     .000000     .000000     .000000     .000000     .000000
0.50000   -9166.458     .000000     .000000     .000000     .000000     .000000
1.00000   -9163.736     .000000     .000000     .000000     .000000     .000000

ELEM      77 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8574.736     .000000     .000000     .000000     .000000     .000000
0.50000    8572.014     .000000     .000000     .000000     .000000     .000000
1.00000    8569.292     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8574.736     .000000     .000000     .000000     .000000     .000000
0.50000   -8572.014     .000000     .000000     .000000     .000000     .000000
1.00000   -8569.292     .000000     .000000     .000000     .000000     .000000

ELEM      78 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8540.792     .000000     .000000     .000000     .000000     .000000
0.50000    8535.347     .000000     .000000     .000000     .000000     .000000
1.00000    8529.903     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8540.792     .000000     .000000     .000000     .000000     .000000
0.50000   -8535.347     .000000     .000000     .000000     .000000     .000000
1.00000   -8529.903     .000000     .000000     .000000     .000000     .000000
```

ELEM 79 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8515.903	.000000	.000000	.000000	.000000	.000000
0.50000	8513.181	.000000	.000000	.000000	.000000	.000000
1.00000	8510.458	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8515.903	.000000	.000000	.000000	.000000	.000000
0.50000	-8513.181	.000000	.000000	.000000	.000000	.000000
1.00000	-8510.458	.000000	.000000	.000000	.000000	.000000

ELEM 80 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7913.458	.000000	.000000	.000000	.000000	.000000
0.50000	7910.736	.000000	.000000	.000000	.000000	.000000
1.00000	7908.014	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7913.458	.000000	.000000	.000000	.000000	.000000
0.50000	-7910.736	.000000	.000000	.000000	.000000	.000000
1.00000	-7908.014	.000000	.000000	.000000	.000000	.000000

ELEM 81 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7879.514	.000000	.000000	.000000	.000000	.000000
0.50000	7874.069	.000000	.000000	.000000	.000000	.000000
1.00000	7868.625	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7879.514	.000000	.000000	.000000	.000000	.000000
0.50000	-7874.069	.000000	.000000	.000000	.000000	.000000
1.00000	-7868.625	.000000	.000000	.000000	.000000	.000000

ELEM 82 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7854.625	.000000	.000000	.000000	.000000	.000000
0.50000	7851.903	.000000	.000000	.000000	.000000	.000000
1.00000	7849.181	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7854.625	.000000	.000000	.000000	.000000	.000000
0.50000	-7851.903	.000000	.000000	.000000	.000000	.000000
1.00000	-7849.181	.000000	.000000	.000000	.000000	.000000

```
ELEM      83 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7227.181     .000000     .000000     .000000     .000000     .000000
0.50000    7224.458     .000000     .000000     .000000     .000000     .000000
1.00000    7221.736     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7227.181     .000000     .000000     .000000     .000000     .000000
0.50000   -7224.458     .000000     .000000     .000000     .000000     .000000
1.00000   -7221.736     .000000     .000000     .000000     .000000     .000000

ELEM      84 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7207.736     .000000     .000000     .000000     .000000     .000000
0.50000    7202.292     .000000     .000000     .000000     .000000     .000000
1.00000    7196.847     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7207.736     .000000     .000000     .000000     .000000     .000000
0.50000   -7202.292     .000000     .000000     .000000     .000000     .000000
1.00000   -7196.847     .000000     .000000     .000000     .000000     .000000

ELEM      86 ================== LENGTH =    9.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6781.958     .000000     .000000     .000000     .000000     .000000
0.50000    6780.888     .000000     .000000     .000000     .000000     .000000
1.00000    6779.817     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6781.958     .000000     .000000     .000000     .000000     .000000
0.50000   -6780.888     .000000     .000000     .000000     .000000     .000000
1.00000   -6779.817     .000000     .000000     .000000     .000000     .000000

ELEM      87 ================== LENGTH =    5.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6617.817     .000000     .000000     .000000     .000000     .000000
0.50000    6617.186     .000000     .000000     .000000     .000000     .000000
1.00000    6616.556     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6617.817     .000000     .000000     .000000     .000000     .000000
0.50000   -6617.186     .000000     .000000     .000000     .000000     .000000
```

```
1.00000   -6616.556     .000000     .000000     .000000     .000000     .000000

ELEM      88 ================== LENGTH =   84.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1986.556     .000000     .000000     .000000     .000000     .000000
0.50000    1977.028     .000000     .000000     .000000     .000000     .000000
1.00000    1967.500     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1986.556     .000000     .000000     .000000     .000000     .000000
0.50000   -1977.028     .000000     .000000     .000000     .000000     .000000
1.00000   -1967.500     .000000     .000000     .000000     .000000     .000000

ELEM      90 ================== LENGTH =   36.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    4.013303    4.42E-16     .000000     .000000     .000000
0.25000     .000000    2.263303    2.30E-16     .000000    3.02E-15   28.244729
0.50000     .000000    0.513303    1.78E-17     .000000    4.14E-15   40.739457
0.75000     .000000    1.236698    1.94E-16     .000000    3.34E-15   37.484184
1.00000     .000000    2.986698    4.06E-16     .000000    6.41E-16   18.478910

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -4.013303   -4.42E-16     .000000     .000000     .000000
0.25000     .000000   -2.263303   -2.30E-16     .000000   -3.02E-15  -28.244729
0.50000     .000000   -0.513303   -1.78E-17     .000000   -4.14E-15  -40.739457
0.75000     .000000   -1.236698   -1.94E-16     .000000   -3.34E-15  -37.484184
1.00000     .000000   -2.986698   -4.06E-16     .000000   -6.41E-16  -18.478910

ELEM      91 ================== LENGTH =   36.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   17.486704    9.15E-16     .000000     .000000     .000000
0.25000     .000000   13.861704    4.76E-16     .000000    6.26E-15  141.067837
0.50000     .000000   10.236704    3.69E-17     .000000    8.57E-15  249.510671
0.75000     .000000    6.611703    4.02E-16     .000000    6.92E-15  325.328502
1.00000     .000000    2.986703    8.41E-16     .000000    1.33E-15  368.521331

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000  -17.486704   -9.15E-16     .000000     .000000     .000000
0.25000     .000000  -13.861704   -4.76E-16     .000000   -6.26E-15 -141.067837
0.50000     .000000  -10.236704   -3.69E-17     .000000   -8.57E-15 -249.510671
0.75000     .000000   -6.611703   -4.02E-16     .000000   -6.92E-15 -325.328502
1.00000     .000000   -2.986703   -8.41E-16     .000000   -1.33E-15 -368.521331

ELEM      93 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
```

0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 94 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 95 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 96 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010

```
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM      97 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM      98 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM      99 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13
```

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 100 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 102 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 103 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3

0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 104 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 105 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.250001	8.78E-16	.000000	.000000	.000000
0.25000	.000000	3.625000	4.39E-16	.000000	1.19E-14	97.875008
0.50000	.000000	5.11E-15	8.01E-32	.000000	1.58E-14	130.500010
0.75000	.000000	3.625000	4.39E-16	.000000	1.19E-14	97.875008
1.00000	.000000	7.250001	8.78E-16	.000000	5.65E-30	3.48E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.250001	-8.78E-16	.000000	.000000	.000000
0.25000	.000000	-3.625000	-4.39E-16	.000000	-1.19E-14	-97.875008
0.50000	.000000	-5.11E-15	-8.01E-32	.000000	-1.58E-14	-130.500010
0.75000	.000000	-3.625000	-4.39E-16	.000000	-1.19E-14	-97.875008
1.00000	.000000	-7.250001	-8.78E-16	.000000	-5.65E-30	-3.48E-13

ELEM 107 ========== LENGTH = 36.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	2.986698	4.06E-16	.000000	6.41E-16	18.478910
0.25000	.000000	1.236698	1.94E-16	.000000	3.34E-15	37.484184
0.50000	.000000	0.513303	1.78E-17	.000000	4.14E-15	40.739457
0.75000	.000000	2.263303	2.30E-16	.000000	3.02E-15	28.244729
1.00000	.000000	4.013303	4.42E-16	.000000	4.57E-29	5.93E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-2.986698	-4.06E-16	.000000	-6.41E-16	-18.478910
0.25000	.000000	-1.236698	-1.94E-16	.000000	-3.34E-15	-37.484184
0.50000	.000000	-0.513303	-1.78E-17	.000000	-4.14E-15	-40.739457

0.75000	.000000	-2.263303	-2.30E-16	.000000	-3.02E-15	-28.244729
1.00000	.000000	-4.013303	-4.42E-16	.000000	-4.57E-29	-5.93E-13

ELEM 108 ========== LENGTH = 36.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	2.986703	8.41E-16	.000000	1.33E-15	368.521334
0.25000	.000000	6.611703	4.02E-16	.000000	6.92E-15	325.328505
0.50000	.000000	10.236704	3.69E-17	.000000	8.57E-15	249.510672
0.75000	.000000	13.861704	4.76E-16	.000000	6.26E-15	141.067837
1.00000	.000000	17.486704	9.15E-16	.000000	9.37E-29	4.49E-12

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-2.986703	-8.41E-16	.000000	-1.33E-15	-368.521334
0.25000	.000000	-6.611703	-4.02E-16	.000000	-6.92E-15	-325.328505
0.50000	.000000	-10.236704	-3.69E-17	.000000	-8.57E-15	-249.510672
0.75000	.000000	-13.861704	-4.76E-16	.000000	-6.26E-15	-141.067837
1.00000	.000000	-17.486704	-9.15E-16	.000000	-9.37E-29	-4.49E-12

ELEM 110 ========== LENGTH = 60.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9765.361	.000000	.000000	.000000	.000000	.000000
0.50000	9758.499	.000000	.000000	.000000	.000000	.000000
1.00000	9751.637	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9765.361	.000000	.000000	.000000	.000000	.000000
0.50000	-9758.499	.000000	.000000	.000000	.000000	.000000
1.00000	-9751.637	.000000	.000000	.000000	.000000	.000000

ELEM 111 ========== LENGTH = 62.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9737.637	.000000	.000000	.000000	.000000	.000000
0.50000	9730.604	.000000	.000000	.000000	.000000	.000000
1.00000	9723.572	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9737.637	.000000	.000000	.000000	.000000	.000000
0.50000	-9730.604	.000000	.000000	.000000	.000000	.000000
1.00000	-9723.572	.000000	.000000	.000000	.000000	.000000

ELEM 112 ========== LENGTH = 39.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9709.572	.000000	.000000	.000000	.000000	.000000
0.50000	9705.063	.000000	.000000	.000000	.000000	.000000
1.00000	9700.554	.000000	.000000	.000000	.000000	.000000

```
COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9709.572     .000000     .000000     .000000     .000000     .000000
0.50000   -9705.063     .000000     .000000     .000000     .000000     .000000
1.00000   -9700.554     .000000     .000000     .000000     .000000     .000000

ELEM     113 ================== LENGTH =    8.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9442.554     .000000     .000000     .000000     .000000     .000000
0.50000    9441.590     .000000     .000000     .000000     .000000     .000000
1.00000    9440.626     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9442.554     .000000     .000000     .000000     .000000     .000000
0.50000   -9441.590     .000000     .000000     .000000     .000000     .000000
1.00000   -9440.626     .000000     .000000     .000000     .000000     .000000

ELEM     114 ================== LENGTH =   48.250000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9426.626     .000000     .000000     .000000     .000000     .000000
0.50000    9421.153     .000000     .000000     .000000     .000000     .000000
1.00000    9415.681     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9426.626     .000000     .000000     .000000     .000000     .000000
0.50000   -9421.153     .000000     .000000     .000000     .000000     .000000
1.00000   -9415.681     .000000     .000000     .000000     .000000     .000000

ELEM     115 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9401.681     .000000     .000000     .000000     .000000     .000000
0.50000    9398.958     .000000     .000000     .000000     .000000     .000000
1.00000    9396.236     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9401.681     .000000     .000000     .000000     .000000     .000000
0.50000   -9398.958     .000000     .000000     .000000     .000000     .000000
1.00000   -9396.236     .000000     .000000     .000000     .000000     .000000

ELEM     116 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8807.236     .000000     .000000     .000000     .000000     .000000
0.50000    8804.514     .000000     .000000     .000000     .000000     .000000
```

```
1.00000    8801.792     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8807.236     .000000     .000000     .000000     .000000     .000000
0.50000   -8804.514     .000000     .000000     .000000     .000000     .000000
1.00000   -8801.792     .000000     .000000     .000000     .000000     .000000

ELEM     117 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8787.792     .000000     .000000     .000000     .000000     .000000
0.50000    8782.347     .000000     .000000     .000000     .000000     .000000
1.00000    8776.903     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8787.792     .000000     .000000     .000000     .000000     .000000
0.50000   -8782.347     .000000     .000000     .000000     .000000     .000000
1.00000   -8776.903     .000000     .000000     .000000     .000000     .000000

ELEM     118 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8762.903     .000000     .000000     .000000     .000000     .000000
0.50000    8760.181     .000000     .000000     .000000     .000000     .000000
1.00000    8757.458     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8762.903     .000000     .000000     .000000     .000000     .000000
0.50000   -8760.181     .000000     .000000     .000000     .000000     .000000
1.00000   -8757.458     .000000     .000000     .000000     .000000     .000000

ELEM     119 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8160.458     .000000     .000000     .000000     .000000     .000000
0.50000    8157.736     .000000     .000000     .000000     .000000     .000000
1.00000    8155.014     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8160.458     .000000     .000000     .000000     .000000     .000000
0.50000   -8157.736     .000000     .000000     .000000     .000000     .000000
1.00000   -8155.014     .000000     .000000     .000000     .000000     .000000

ELEM     120 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8126.514     .000000     .000000     .000000     .000000     .000000
```

```
0.50000    8121.069     .000000     .000000     .000000     .000000     .000000
1.00000    8115.625     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8126.514     .000000     .000000     .000000     .000000     .000000
0.50000   -8121.069     .000000     .000000     .000000     .000000     .000000
1.00000   -8115.625     .000000     .000000     .000000     .000000     .000000

ELEM     121 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8101.625     .000000     .000000     .000000     .000000     .000000
0.50000    8098.903     .000000     .000000     .000000     .000000     .000000
1.00000    8096.181     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8101.625     .000000     .000000     .000000     .000000     .000000
0.50000   -8098.903     .000000     .000000     .000000     .000000     .000000
1.00000   -8096.181     .000000     .000000     .000000     .000000     .000000

ELEM     122 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7474.181     .000000     .000000     .000000     .000000     .000000
0.50000    7471.458     .000000     .000000     .000000     .000000     .000000
1.00000    7468.736     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7474.181     .000000     .000000     .000000     .000000     .000000
0.50000   -7471.458     .000000     .000000     .000000     .000000     .000000
1.00000   -7468.736     .000000     .000000     .000000     .000000     .000000

ELEM     123 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7454.736     .000000     .000000     .000000     .000000     .000000
0.50000    7449.292     .000000     .000000     .000000     .000000     .000000
1.00000    7443.847     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7454.736     .000000     .000000     .000000     .000000     .000000
0.50000   -7449.292     .000000     .000000     .000000     .000000     .000000
1.00000   -7443.847     .000000     .000000     .000000     .000000     .000000

ELEM     125 ================== LENGTH =    9.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000    7188.958     .000000     .000000     .000000     .000000     .000000
0.50000    7187.888     .000000     .000000     .000000     .000000     .000000
1.00000    7186.817     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7188.958     .000000     .000000     .000000     .000000     .000000
0.50000   -7187.888     .000000     .000000     .000000     .000000     .000000
1.00000   -7186.817     .000000     .000000     .000000     .000000     .000000

ELEM     126 ================== LENGTH =    5.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7024.817     .000000     .000000     .000000     .000000     .000000
0.50000    7024.186     .000000     .000000     .000000     .000000     .000000
1.00000    7023.556     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7024.817     .000000     .000000     .000000     .000000     .000000
0.50000   -7024.186     .000000     .000000     .000000     .000000     .000000
1.00000   -7023.556     .000000     .000000     .000000     .000000     .000000

ELEM     127 ================== LENGTH =   84.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2393.556     .000000     .000000     .000000     .000000     .000000
0.50000    2384.028     .000000     .000000     .000000     .000000     .000000
1.00000    2374.500     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2393.556     .000000     .000000     .000000     .000000     .000000
0.50000   -2384.028     .000000     .000000     .000000     .000000     .000000
1.00000   -2374.500     .000000     .000000     .000000     .000000     .000000

ELEM     128 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13
```

ELEM 129 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 130 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 131 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 132 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 134 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 135 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 137 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000

```
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     138 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     140 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     141 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
```

```
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     142 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     143 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.250001    8.78E-16     .000000     .000000     .000000
0.25000     .000000    3.625000    4.39E-16     .000000    1.19E-14   97.875008
0.50000     .000000    5.11E-15    8.01E-32     .000000    1.58E-14  130.500010
0.75000     .000000    3.625000    4.39E-16     .000000    1.19E-14   97.875008
1.00000     .000000    7.250001    8.78E-16     .000000    5.65E-30    3.48E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.250001   -8.78E-16     .000000     .000000     .000000
0.25000     .000000   -3.625000   -4.39E-16     .000000   -1.19E-14  -97.875008
0.50000     .000000   -5.11E-15   -8.01E-32     .000000   -1.58E-14 -130.500010
0.75000     .000000   -3.625000   -4.39E-16     .000000   -1.19E-14  -97.875008
1.00000     .000000   -7.250001   -8.78E-16     .000000   -5.65E-30   -3.48E-13

ELEM     144 ================== LENGTH =   60.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9605.361     .000000     .000000     .000000     .000000     .000000
0.50000    9598.499     .000000     .000000     .000000     .000000     .000000
1.00000    9591.637     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000   -9605.361     .000000     .000000     .000000     .000000     .000000
0.50000   -9598.499     .000000     .000000     .000000     .000000     .000000
1.00000   -9591.637     .000000     .000000     .000000     .000000     .000000

ELEM     145 ================== LENGTH =   62.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9577.637     .000000     .000000     .000000     .000000     .000000
0.50000    9570.604     .000000     .000000     .000000     .000000     .000000
1.00000    9563.572     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9577.637     .000000     .000000     .000000     .000000     .000000
0.50000   -9570.604     .000000     .000000     .000000     .000000     .000000
1.00000   -9563.572     .000000     .000000     .000000     .000000     .000000

ELEM     146 ================== LENGTH =   39.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9549.572     .000000     .000000     .000000     .000000     .000000
0.50000    9545.063     .000000     .000000     .000000     .000000     .000000
1.00000    9540.554     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9549.572     .000000     .000000     .000000     .000000     .000000
0.50000   -9545.063     .000000     .000000     .000000     .000000     .000000
1.00000   -9540.554     .000000     .000000     .000000     .000000     .000000

ELEM     147 ================== LENGTH =    8.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9282.554     .000000     .000000     .000000     .000000     .000000
0.50000    9281.590     .000000     .000000     .000000     .000000     .000000
1.00000    9280.626     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9282.554     .000000     .000000     .000000     .000000     .000000
0.50000   -9281.590     .000000     .000000     .000000     .000000     .000000
1.00000   -9280.626     .000000     .000000     .000000     .000000     .000000

ELEM     148 ================== LENGTH =   48.250000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9266.626     .000000     .000000     .000000     .000000     .000000
0.50000    9261.153     .000000     .000000     .000000     .000000     .000000
1.00000    9255.681     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000   -9266.626     .000000     .000000     .000000     .000000     .000000
0.50000   -9261.153     .000000     .000000     .000000     .000000     .000000
1.00000   -9255.681     .000000     .000000     .000000     .000000     .000000

ELEM     149 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9241.681     .000000     .000000     .000000     .000000     .000000
0.50000    9238.958     .000000     .000000     .000000     .000000     .000000
1.00000    9236.236     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9241.681     .000000     .000000     .000000     .000000     .000000
0.50000   -9238.958     .000000     .000000     .000000     .000000     .000000
1.00000   -9236.236     .000000     .000000     .000000     .000000     .000000

ELEM     150 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8647.236     .000000     .000000     .000000     .000000     .000000
0.50000    8644.514     .000000     .000000     .000000     .000000     .000000
1.00000    8641.792     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8647.236     .000000     .000000     .000000     .000000     .000000
0.50000   -8644.514     .000000     .000000     .000000     .000000     .000000
1.00000   -8641.792     .000000     .000000     .000000     .000000     .000000

ELEM     151 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8613.292     .000000     .000000     .000000     .000000     .000000
0.50000    8607.847     .000000     .000000     .000000     .000000     .000000
1.00000    8602.403     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8613.292     .000000     .000000     .000000     .000000     .000000
0.50000   -8607.847     .000000     .000000     .000000     .000000     .000000
1.00000   -8602.403     .000000     .000000     .000000     .000000     .000000

ELEM     152 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8588.403     .000000     .000000     .000000     .000000     .000000
0.50000    8585.681     .000000     .000000     .000000     .000000     .000000
1.00000    8582.958     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000   -8588.403     .000000     .000000     .000000     .000000     .000000
0.50000   -8585.681     .000000     .000000     .000000     .000000     .000000
1.00000   -8582.958     .000000     .000000     .000000     .000000     .000000

ELEM     153 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7985.958     .000000     .000000     .000000     .000000     .000000
0.50000    7983.236     .000000     .000000     .000000     .000000     .000000
1.00000    7980.514     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7985.958     .000000     .000000     .000000     .000000     .000000
0.50000   -7983.236     .000000     .000000     .000000     .000000     .000000
1.00000   -7980.514     .000000     .000000     .000000     .000000     .000000

ELEM     154 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7966.514     .000000     .000000     .000000     .000000     .000000
0.50000    7961.069     .000000     .000000     .000000     .000000     .000000
1.00000    7955.625     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7966.514     .000000     .000000     .000000     .000000     .000000
0.50000   -7961.069     .000000     .000000     .000000     .000000     .000000
1.00000   -7955.625     .000000     .000000     .000000     .000000     .000000

ELEM     155 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7941.625     .000000     .000000     .000000     .000000     .000000
0.50000    7938.903     .000000     .000000     .000000     .000000     .000000
1.00000    7936.181     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7941.625     .000000     .000000     .000000     .000000     .000000
0.50000   -7938.903     .000000     .000000     .000000     .000000     .000000
1.00000   -7936.181     .000000     .000000     .000000     .000000     .000000

ELEM     156 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7314.181     .000000     .000000     .000000     .000000     .000000
0.50000    7311.458     .000000     .000000     .000000     .000000     .000000
1.00000    7308.736     .000000     .000000     .000000     .000000     .000000
```

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7314.181	.000000	.000000	.000000	.000000	.000000
0.50000	-7311.458	.000000	.000000	.000000	.000000	.000000
1.00000	-7308.736	.000000	.000000	.000000	.000000	.000000

ELEM 157 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7294.736	.000000	.000000	.000000	.000000	.000000
0.50000	7289.292	.000000	.000000	.000000	.000000	.000000
1.00000	7283.847	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7294.736	.000000	.000000	.000000	.000000	.000000
0.50000	-7289.292	.000000	.000000	.000000	.000000	.000000
1.00000	-7283.847	.000000	.000000	.000000	.000000	.000000

ELEM 159 ========== LENGTH = 9.437500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7188.958	.000000	.000000	.000000	.000000	.000000
0.50000	7187.888	.000000	.000000	.000000	.000000	.000000
1.00000	7186.817	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7188.958	.000000	.000000	.000000	.000000	.000000
0.50000	-7187.888	.000000	.000000	.000000	.000000	.000000
1.00000	-7186.817	.000000	.000000	.000000	.000000	.000000

ELEM 160 ========== LENGTH = 5.562500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7024.817	.000000	.000000	.000000	.000000	.000000
0.50000	7024.186	.000000	.000000	.000000	.000000	.000000
1.00000	7023.556	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7024.817	.000000	.000000	.000000	.000000	.000000
0.50000	-7024.186	.000000	.000000	.000000	.000000	.000000
1.00000	-7023.556	.000000	.000000	.000000	.000000	.000000

ELEM 161 ========== LENGTH = 84.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2393.556	.000000	.000000	.000000	.000000	.000000
0.50000	2384.028	.000000	.000000	.000000	.000000	.000000
1.00000	2374.500	.000000	.000000	.000000	.000000	.000000

```
COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2393.556     .000000     .000000     .000000     .000000     .000000
0.50000   -2384.028     .000000     .000000     .000000     .000000     .000000
1.00000   -2374.500     .000000     .000000     .000000     .000000     .000000

ELEM     162 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     163 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     164 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
```

```
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     166 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     167 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     169 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   14.500001    1.76E-15     .000000     .000000     .000000
0.25000     .000000    7.250001    8.78E-16     .000000    2.37E-14  195.750016
0.50000     .000000    3.89E-15    6.41E-31     .000000    3.16E-14  261.000021
0.75000     .000000    7.250001    8.78E-16     .000000    2.37E-14  195.750016
1.00000     .000000   14.500001    1.76E-15     .000000    4.50E-29    2.76E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000  -14.500001   -1.76E-15     .000000     .000000     .000000
0.25000     .000000   -7.250001   -8.78E-16     .000000   -2.37E-14 -195.750016
0.50000     .000000   -3.89E-15   -6.41E-31     .000000   -3.16E-14 -261.000021
0.75000     .000000   -7.250001   -8.78E-16     .000000   -2.37E-14 -195.750016
```

```
1.00000     .000000  -14.500001   -1.76E-15     .000000   -4.50E-29   -2.76E-13

ELEM     170 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     171 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     172 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     173 ================== LENGTH =   72.000000
```

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 174 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 176 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 177 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 178 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.250001	8.78E-16	.000000	.000000	.000000
0.25000	.000000	3.625000	4.39E-16	.000000	1.19E-14	97.875008
0.50000	.000000	5.11E-15	8.01E-32	.000000	1.58E-14	130.500010
0.75000	.000000	3.625000	4.39E-16	.000000	1.19E-14	97.875008
1.00000	.000000	7.250001	8.78E-16	.000000	5.65E-30	3.48E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.250001	-8.78E-16	.000000	.000000	.000000
0.25000	.000000	-3.625000	-4.39E-16	.000000	-1.19E-14	-97.875008
0.50000	.000000	-5.11E-15	-8.01E-32	.000000	-1.58E-14	-130.500010
0.75000	.000000	-3.625000	-4.39E-16	.000000	-1.19E-14	-97.875008
1.00000	.000000	-7.250001	-8.78E-16	.000000	-5.65E-30	-3.48E-13

ELEM 179 ========== LENGTH = 60.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9198.361	.000000	.000000	.000000	.000000	.000000
0.50000	9191.499	.000000	.000000	.000000	.000000	.000000
1.00000	9184.637	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9198.361	.000000	.000000	.000000	.000000	.000000
0.50000	-9191.499	.000000	.000000	.000000	.000000	.000000
1.00000	-9184.637	.000000	.000000	.000000	.000000	.000000

ELEM 180 ========== LENGTH = 62.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9170.637	.000000	.000000	.000000	.000000	.000000
0.50000	9163.604	.000000	.000000	.000000	.000000	.000000
1.00000	9156.572	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

```
REL DIST          P          V2          V3           T          M2          M3
0.00000   -9170.637     .000000     .000000     .000000     .000000     .000000
0.50000   -9163.604     .000000     .000000     .000000     .000000     .000000
1.00000   -9156.572     .000000     .000000     .000000     .000000     .000000

ELEM     181 ================== LENGTH =   39.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9142.572     .000000     .000000     .000000     .000000     .000000
0.50000    9138.063     .000000     .000000     .000000     .000000     .000000
1.00000    9133.554     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9142.572     .000000     .000000     .000000     .000000     .000000
0.50000   -9138.063     .000000     .000000     .000000     .000000     .000000
1.00000   -9133.554     .000000     .000000     .000000     .000000     .000000

ELEM     182 ================== LENGTH =    8.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8875.554     .000000     .000000     .000000     .000000     .000000
0.50000    8874.590     .000000     .000000     .000000     .000000     .000000
1.00000    8873.626     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8875.554     .000000     .000000     .000000     .000000     .000000
0.50000   -8874.590     .000000     .000000     .000000     .000000     .000000
1.00000   -8873.626     .000000     .000000     .000000     .000000     .000000

ELEM     183 ================== LENGTH =   48.250000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8859.626     .000000     .000000     .000000     .000000     .000000
0.50000    8854.153     .000000     .000000     .000000     .000000     .000000
1.00000    8848.681     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8859.626     .000000     .000000     .000000     .000000     .000000
0.50000   -8854.153     .000000     .000000     .000000     .000000     .000000
1.00000   -8848.681     .000000     .000000     .000000     .000000     .000000

ELEM     184 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8834.681     .000000     .000000     .000000     .000000     .000000
0.50000    8831.958     .000000     .000000     .000000     .000000     .000000
1.00000    8829.236     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8834.681	.000000	.000000	.000000	.000000	.000000
0.50000	-8831.958	.000000	.000000	.000000	.000000	.000000
1.00000	-8829.236	.000000	.000000	.000000	.000000	.000000

ELEM 185 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8240.236	.000000	.000000	.000000	.000000	.000000
0.50000	8237.514	.000000	.000000	.000000	.000000	.000000
1.00000	8234.792	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8240.236	.000000	.000000	.000000	.000000	.000000
0.50000	-8237.514	.000000	.000000	.000000	.000000	.000000
1.00000	-8234.792	.000000	.000000	.000000	.000000	.000000

ELEM 186 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8206.292	.000000	.000000	.000000	.000000	.000000
0.50000	8200.847	.000000	.000000	.000000	.000000	.000000
1.00000	8195.403	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8206.292	.000000	.000000	.000000	.000000	.000000
0.50000	-8200.847	.000000	.000000	.000000	.000000	.000000
1.00000	-8195.403	.000000	.000000	.000000	.000000	.000000

ELEM 187 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8181.403	.000000	.000000	.000000	.000000	.000000
0.50000	8178.681	.000000	.000000	.000000	.000000	.000000
1.00000	8175.958	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8181.403	.000000	.000000	.000000	.000000	.000000
0.50000	-8178.681	.000000	.000000	.000000	.000000	.000000
1.00000	-8175.958	.000000	.000000	.000000	.000000	.000000

ELEM 188 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7578.958	.000000	.000000	.000000	.000000	.000000
0.50000	7576.236	.000000	.000000	.000000	.000000	.000000
1.00000	7573.514	.000000	.000000	.000000	.000000	.000000

```
COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7578.958     .000000     .000000     .000000     .000000     .000000
0.50000   -7576.236     .000000     .000000     .000000     .000000     .000000
1.00000   -7573.514     .000000     .000000     .000000     .000000     .000000

ELEM     189 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7559.514     .000000     .000000     .000000     .000000     .000000
0.50000    7554.069     .000000     .000000     .000000     .000000     .000000
1.00000    7548.625     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7559.514     .000000     .000000     .000000     .000000     .000000
0.50000   -7554.069     .000000     .000000     .000000     .000000     .000000
1.00000   -7548.625     .000000     .000000     .000000     .000000     .000000

ELEM     190 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7534.625     .000000     .000000     .000000     .000000     .000000
0.50000    7531.903     .000000     .000000     .000000     .000000     .000000
1.00000    7529.181     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7534.625     .000000     .000000     .000000     .000000     .000000
0.50000   -7531.903     .000000     .000000     .000000     .000000     .000000
1.00000   -7529.181     .000000     .000000     .000000     .000000     .000000

ELEM     191 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6907.181     .000000     .000000     .000000     .000000     .000000
0.50000    6904.458     .000000     .000000     .000000     .000000     .000000
1.00000    6901.736     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6907.181     .000000     .000000     .000000     .000000     .000000
0.50000   -6904.458     .000000     .000000     .000000     .000000     .000000
1.00000   -6901.736     .000000     .000000     .000000     .000000     .000000

ELEM     192 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6887.736     .000000     .000000     .000000     .000000     .000000
0.50000    6882.292     .000000     .000000     .000000     .000000     .000000
1.00000    6876.847     .000000     .000000     .000000     .000000     .000000
```

```
COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6887.736     .000000     .000000     .000000     .000000     .000000
0.50000   -6882.292     .000000     .000000     .000000     .000000     .000000
1.00000   -6876.847     .000000     .000000     .000000     .000000     .000000

ELEM     194 ================== LENGTH =    9.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6781.958     .000000     .000000     .000000     .000000     .000000
0.50000    6780.888     .000000     .000000     .000000     .000000     .000000
1.00000    6779.817     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6781.958     .000000     .000000     .000000     .000000     .000000
0.50000   -6780.888     .000000     .000000     .000000     .000000     .000000
1.00000   -6779.817     .000000     .000000     .000000     .000000     .000000

ELEM     195 ================== LENGTH =    5.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6617.817     .000000     .000000     .000000     .000000     .000000
0.50000    6617.186     .000000     .000000     .000000     .000000     .000000
1.00000    6616.556     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6617.817     .000000     .000000     .000000     .000000     .000000
0.50000   -6617.186     .000000     .000000     .000000     .000000     .000000
1.00000   -6616.556     .000000     .000000     .000000     .000000     .000000

ELEM     196 ================== LENGTH =   84.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1986.556     .000000     .000000     .000000     .000000     .000000
0.50000    1977.028     .000000     .000000     .000000     .000000     .000000
1.00000    1967.500     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1986.556     .000000     .000000     .000000     .000000     .000000
0.50000   -1977.028     .000000     .000000     .000000     .000000     .000000
1.00000   -1967.500     .000000     .000000     .000000     .000000     .000000

ELEM     197 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
```

```
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     199 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     200 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     202 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13
```

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 204 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 205 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 207 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 208 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 210 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 211 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008

0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 212 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 213 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 215 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.250001	8.78E-16	.000000	.000000	.000000
0.25000	.000000	3.625000	4.39E-16	.000000	1.19E-14	97.875008
0.50000	.000000	5.11E-15	8.01E-32	.000000	1.58E-14	130.500010
0.75000	.000000	3.625000	4.39E-16	.000000	1.19E-14	97.875008
1.00000	.000000	7.250001	8.78E-16	.000000	5.65E-30	3.48E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.250001	-8.78E-16	.000000	.000000	.000000
0.25000	.000000	-3.625000	-4.39E-16	.000000	-1.19E-14	-97.875008
0.50000	.000000	-5.11E-15	-8.01E-32	.000000	-1.58E-14	-130.500010
0.75000	.000000	-3.625000	-4.39E-16	.000000	-1.19E-14	-97.875008
1.00000	.000000	-7.250001	-8.78E-16	.000000	-5.65E-30	-3.48E-13

ELEM 216 ========== LENGTH = 60.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8977.861	.000000	.000000	.000000	.000000	.000000
0.50000	8970.999	.000000	.000000	.000000	.000000	.000000
1.00000	8964.137	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8977.861	.000000	.000000	.000000	.000000	.000000
0.50000	-8970.999	.000000	.000000	.000000	.000000	.000000
1.00000	-8964.137	.000000	.000000	.000000	.000000	.000000

ELEM 217 ========== LENGTH = 62.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8950.137	.000000	.000000	.000000	.000000	.000000
0.50000	8943.104	.000000	.000000	.000000	.000000	.000000
1.00000	8936.072	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8950.137	.000000	.000000	.000000	.000000	.000000
0.50000	-8943.104	.000000	.000000	.000000	.000000	.000000
1.00000	-8936.072	.000000	.000000	.000000	.000000	.000000

ELEM 218 ========== LENGTH = 39.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8922.072	.000000	.000000	.000000	.000000	.000000
0.50000	8917.563	.000000	.000000	.000000	.000000	.000000
1.00000	8913.054	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8922.072	.000000	.000000	.000000	.000000	.000000
0.50000	-8917.563	.000000	.000000	.000000	.000000	.000000
1.00000	-8913.054	.000000	.000000	.000000	.000000	.000000

ELEM 219 ========== LENGTH = 8.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8655.054	.000000	.000000	.000000	.000000	.000000
0.50000	8654.090	.000000	.000000	.000000	.000000	.000000
1.00000	8653.126	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8655.054	.000000	.000000	.000000	.000000	.000000
0.50000	-8654.090	.000000	.000000	.000000	.000000	.000000

```
1.00000   -8653.126     .000000     .000000     .000000     .000000     .000000

ELEM     220 ================== LENGTH =   48.250000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8639.126     .000000     .000000     .000000     .000000     .000000
0.50000    8633.653     .000000     .000000     .000000     .000000     .000000
1.00000    8628.181     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8639.126     .000000     .000000     .000000     .000000     .000000
0.50000   -8633.653     .000000     .000000     .000000     .000000     .000000
1.00000   -8628.181     .000000     .000000     .000000     .000000     .000000

ELEM     221 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8614.181     .000000     .000000     .000000     .000000     .000000
0.50000    8611.458     .000000     .000000     .000000     .000000     .000000
1.00000    8608.736     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8614.181     .000000     .000000     .000000     .000000     .000000
0.50000   -8611.458     .000000     .000000     .000000     .000000     .000000
1.00000   -8608.736     .000000     .000000     .000000     .000000     .000000

ELEM     222 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8019.736     .000000     .000000     .000000     .000000     .000000
0.50000    8017.014     .000000     .000000     .000000     .000000     .000000
1.00000    8014.292     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8019.736     .000000     .000000     .000000     .000000     .000000
0.50000   -8017.014     .000000     .000000     .000000     .000000     .000000
1.00000   -8014.292     .000000     .000000     .000000     .000000     .000000

ELEM     223 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8000.292     .000000     .000000     .000000     .000000     .000000
0.50000    7994.847     .000000     .000000     .000000     .000000     .000000
1.00000    7989.403     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8000.292     .000000     .000000     .000000     .000000     .000000
```

```
0.50000   -7994.847     .000000     .000000     .000000     .000000     .000000
1.00000   -7989.403     .000000     .000000     .000000     .000000     .000000

ELEM     224 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7975.403     .000000     .000000     .000000     .000000     .000000
0.50000    7972.681     .000000     .000000     .000000     .000000     .000000
1.00000    7969.958     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7975.403     .000000     .000000     .000000     .000000     .000000
0.50000   -7972.681     .000000     .000000     .000000     .000000     .000000
1.00000   -7969.958     .000000     .000000     .000000     .000000     .000000

ELEM     225 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7372.958     .000000     .000000     .000000     .000000     .000000
0.50000    7370.236     .000000     .000000     .000000     .000000     .000000
1.00000    7367.514     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7372.958     .000000     .000000     .000000     .000000     .000000
0.50000   -7370.236     .000000     .000000     .000000     .000000     .000000
1.00000   -7367.514     .000000     .000000     .000000     .000000     .000000

ELEM     226 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7353.514     .000000     .000000     .000000     .000000     .000000
0.50000    7348.069     .000000     .000000     .000000     .000000     .000000
1.00000    7342.625     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7353.514     .000000     .000000     .000000     .000000     .000000
0.50000   -7348.069     .000000     .000000     .000000     .000000     .000000
1.00000   -7342.625     .000000     .000000     .000000     .000000     .000000

ELEM     227 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7328.625     .000000     .000000     .000000     .000000     .000000
0.50000    7325.903     .000000     .000000     .000000     .000000     .000000
1.00000    7323.181     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
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```
0.00000   -7328.625     .000000     .000000     .000000     .000000     .000000
0.50000   -7325.903     .000000     .000000     .000000     .000000     .000000
1.00000   -7323.181     .000000     .000000     .000000     .000000     .000000

ELEM     228 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6701.181     .000000     .000000     .000000     .000000     .000000
0.50000    6698.458     .000000     .000000     .000000     .000000     .000000
1.00000    6695.736     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6701.181     .000000     .000000     .000000     .000000     .000000
0.50000   -6698.458     .000000     .000000     .000000     .000000     .000000
1.00000   -6695.736     .000000     .000000     .000000     .000000     .000000

ELEM     229 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6681.736     .000000     .000000     .000000     .000000     .000000
0.50000    6676.292     .000000     .000000     .000000     .000000     .000000
1.00000    6670.847     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6681.736     .000000     .000000     .000000     .000000     .000000
0.50000   -6676.292     .000000     .000000     .000000     .000000     .000000
1.00000   -6670.847     .000000     .000000     .000000     .000000     .000000

ELEM     231 ================== LENGTH =    9.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6575.958     .000000     .000000     .000000     .000000     .000000
0.50000    6574.888     .000000     .000000     .000000     .000000     .000000
1.00000    6573.817     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6575.958     .000000     .000000     .000000     .000000     .000000
0.50000   -6574.888     .000000     .000000     .000000     .000000     .000000
1.00000   -6573.817     .000000     .000000     .000000     .000000     .000000

ELEM     232 ================== LENGTH =    5.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6411.817     .000000     .000000     .000000     .000000     .000000
0.50000    6411.186     .000000     .000000     .000000     .000000     .000000
1.00000    6410.556     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000   -6411.817     .000000     .000000     .000000     .000000     .000000
0.50000   -6411.186     .000000     .000000     .000000     .000000     .000000
1.00000   -6410.556     .000000     .000000     .000000     .000000     .000000

ELEM     233 ================== LENGTH =   63.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1780.556     .000000     .000000     .000000     .000000     .000000
0.50000    1773.410     .000000     .000000     .000000     .000000     .000000
1.00000    1766.264     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1780.556     .000000     .000000     .000000     .000000     .000000
0.50000   -1773.410     .000000     .000000     .000000     .000000     .000000
1.00000   -1766.264     .000000     .000000     .000000     .000000     .000000

ELEM     234 ================== LENGTH =   21.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1766.264     .000000     .000000     .000000     .000000     .000000
0.50000    1763.882     .000000     .000000     .000000     .000000     .000000
1.00000    1761.500     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1766.264     .000000     .000000     .000000     .000000     .000000
0.50000   -1763.882     .000000     .000000     .000000     .000000     .000000
1.00000   -1761.500     .000000     .000000     .000000     .000000     .000000

ELEM     237 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     239 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
```

```
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     240 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     241 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     242 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
```

```
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     243 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     244 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     245 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 246 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 247 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 248 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000

```
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     249 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     251 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.250001    8.78E-16     .000000     .000000     .000000
0.25000     .000000    3.625000    4.39E-16     .000000    1.19E-14   97.875008
0.50000     .000000    5.11E-15    8.01E-32     .000000    1.58E-14  130.500010
0.75000     .000000    3.625000    4.39E-16     .000000    1.19E-14   97.875008
1.00000     .000000    7.250001    8.78E-16     .000000    5.65E-30    3.48E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.250001   -8.78E-16     .000000     .000000     .000000
0.25000     .000000   -3.625000   -4.39E-16     .000000   -1.19E-14  -97.875008
0.50000     .000000   -5.11E-15   -8.01E-32     .000000   -1.58E-14 -130.500010
0.75000     .000000   -3.625000   -4.39E-16     .000000   -1.19E-14  -97.875008
1.00000     .000000   -7.250001   -8.78E-16     .000000   -5.65E-30   -3.48E-13

ELEM     254 ================== LENGTH =   60.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   11906.861     .000000     .000000     .000000     .000000     .000000
0.50000   11899.999     .000000     .000000     .000000     .000000     .000000
1.00000   11893.137     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -11906.861     .000000     .000000     .000000     .000000     .000000
0.50000  -11899.999     .000000     .000000     .000000     .000000     .000000
1.00000  -11893.137     .000000     .000000     .000000     .000000     .000000

ELEM     255 ================== LENGTH =   62.000000
```

```
COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   11879.137     .000000     .000000     .000000     .000000     .000000
0.50000   11872.104     .000000     .000000     .000000     .000000     .000000
1.00000   11865.072     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -11879.137     .000000     .000000     .000000     .000000     .000000
0.50000  -11872.104     .000000     .000000     .000000     .000000     .000000
1.00000  -11865.072     .000000     .000000     .000000     .000000     .000000

ELEM     256 ================== LENGTH =   39.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   11851.072     .000000     .000000     .000000     .000000     .000000
0.50000   11846.563     .000000     .000000     .000000     .000000     .000000
1.00000   11842.054     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -11851.072     .000000     .000000     .000000     .000000     .000000
0.50000  -11846.563     .000000     .000000     .000000     .000000     .000000
1.00000  -11842.054     .000000     .000000     .000000     .000000     .000000

ELEM     257 ================== LENGTH =    8.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   11584.054     .000000     .000000     .000000     .000000     .000000
0.50000   11583.090     .000000     .000000     .000000     .000000     .000000
1.00000   11582.126     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -11584.054     .000000     .000000     .000000     .000000     .000000
0.50000  -11583.090     .000000     .000000     .000000     .000000     .000000
1.00000  -11582.126     .000000     .000000     .000000     .000000     .000000

ELEM     258 ================== LENGTH =   48.250000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   11347.126     .000000     .000000     .000000     .000000     .000000
0.50000   11341.653     .000000     .000000     .000000     .000000     .000000
1.00000   11336.181     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -11347.126     .000000     .000000     .000000     .000000     .000000
0.50000  -11341.653     .000000     .000000     .000000     .000000     .000000
1.00000  -11336.181     .000000     .000000     .000000     .000000     .000000

ELEM     259 ================== LENGTH =   24.000000
```

```
COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   11038.181     .000000     .000000     .000000     .000000     .000000
0.50000   11035.458     .000000     .000000     .000000     .000000     .000000
1.00000   11032.736     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -11038.181     .000000     .000000     .000000     .000000     .000000
0.50000  -11035.458     .000000     .000000     .000000     .000000     .000000
1.00000  -11032.736     .000000     .000000     .000000     .000000     .000000

ELEM     260 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   10443.736     .000000     .000000     .000000     .000000     .000000
0.50000   10441.014     .000000     .000000     .000000     .000000     .000000
1.00000   10438.292     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -10443.736     .000000     .000000     .000000     .000000     .000000
0.50000  -10441.014     .000000     .000000     .000000     .000000     .000000
1.00000  -10438.292     .000000     .000000     .000000     .000000     .000000

ELEM     261 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   10141.292     .000000     .000000     .000000     .000000     .000000
0.50000   10135.847     .000000     .000000     .000000     .000000     .000000
1.00000   10130.403     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -10141.292     .000000     .000000     .000000     .000000     .000000
0.50000  -10135.847     .000000     .000000     .000000     .000000     .000000
1.00000  -10130.403     .000000     .000000     .000000     .000000     .000000

ELEM     262 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9833.403     .000000     .000000     .000000     .000000     .000000
0.50000    9830.681     .000000     .000000     .000000     .000000     .000000
1.00000    9827.958     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9833.403     .000000     .000000     .000000     .000000     .000000
0.50000   -9830.681     .000000     .000000     .000000     .000000     .000000
1.00000   -9827.958     .000000     .000000     .000000     .000000     .000000
```

ELEM 263 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9230.958	.000000	.000000	.000000	.000000	.000000
0.50000	9228.236	.000000	.000000	.000000	.000000	.000000
1.00000	9225.514	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9230.958	.000000	.000000	.000000	.000000	.000000
0.50000	-9228.236	.000000	.000000	.000000	.000000	.000000
1.00000	-9225.514	.000000	.000000	.000000	.000000	.000000

ELEM 264 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8928.514	.000000	.000000	.000000	.000000	.000000
0.50000	8923.069	.000000	.000000	.000000	.000000	.000000
1.00000	8917.625	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8928.514	.000000	.000000	.000000	.000000	.000000
0.50000	-8923.069	.000000	.000000	.000000	.000000	.000000
1.00000	-8917.625	.000000	.000000	.000000	.000000	.000000

ELEM 265 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8620.625	.000000	.000000	.000000	.000000	.000000
0.50000	8617.903	.000000	.000000	.000000	.000000	.000000
1.00000	8615.181	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8620.625	.000000	.000000	.000000	.000000	.000000
0.50000	-8617.903	.000000	.000000	.000000	.000000	.000000
1.00000	-8615.181	.000000	.000000	.000000	.000000	.000000

ELEM 266 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7993.181	.000000	.000000	.000000	.000000	.000000
0.50000	7990.458	.000000	.000000	.000000	.000000	.000000
1.00000	7987.736	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7993.181	.000000	.000000	.000000	.000000	.000000
0.50000	-7990.458	.000000	.000000	.000000	.000000	.000000
1.00000	-7987.736	.000000	.000000	.000000	.000000	.000000

ELEM 267 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7690.736	.000000	.000000	.000000	.000000	.000000
0.50000	7685.292	.000000	.000000	.000000	.000000	.000000
1.00000	7679.847	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7690.736	.000000	.000000	.000000	.000000	.000000
0.50000	-7685.292	.000000	.000000	.000000	.000000	.000000
1.00000	-7679.847	.000000	.000000	.000000	.000000	.000000

ELEM 269 ========== LENGTH = 9.437500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7115.958	.000000	.000000	.000000	.000000	.000000
0.50000	7114.888	.000000	.000000	.000000	.000000	.000000
1.00000	7113.817	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7115.958	.000000	.000000	.000000	.000000	.000000
0.50000	-7114.888	.000000	.000000	.000000	.000000	.000000
1.00000	-7113.817	.000000	.000000	.000000	.000000	.000000

ELEM 270 ========== LENGTH = 5.562500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	6951.817	.000000	.000000	.000000	.000000	.000000
0.50000	6951.186	.000000	.000000	.000000	.000000	.000000
1.00000	6950.556	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-6951.817	.000000	.000000	.000000	.000000	.000000
0.50000	-6951.186	.000000	.000000	.000000	.000000	.000000
1.00000	-6950.556	.000000	.000000	.000000	.000000	.000000

ELEM 271 ========== LENGTH = 84.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2028.556	.000000	.000000	.000000	.000000	.000000
0.50000	2019.028	.000000	.000000	.000000	.000000	.000000
1.00000	2009.500	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2028.556	.000000	.000000	.000000	.000000	.000000
0.50000	-2019.028	.000000	.000000	.000000	.000000	.000000

```
1.00000   -2009.500     .000000     .000000     .000000     .000000     .000000

ELEM     274 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     276 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     277 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     278 ================== LENGTH =   72.000000
```

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 279 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 280 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 281 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

```
REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     282 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     283 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     284 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
```

```
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     286 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     287 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     288 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.250001    8.78E-16     .000000     .000000     .000000
0.25000     .000000    3.625000    4.39E-16     .000000    1.19E-14   97.875008
0.50000     .000000    5.11E-15    8.01E-32     .000000    1.58E-14  130.500010
0.75000     .000000    3.625000    4.39E-16     .000000    1.19E-14   97.875008
1.00000     .000000    7.250001    8.78E-16     .000000    5.65E-30    3.48E-13
```

```
COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.250001   -8.78E-16     .000000     .000000     .000000
0.25000     .000000   -3.625000   -4.39E-16     .000000   -1.19E-14  -97.875008
0.50000     .000000   -5.11E-15   -8.01E-32     .000000   -1.58E-14 -130.500010
0.75000     .000000   -3.625000   -4.39E-16     .000000   -1.19E-14  -97.875008
1.00000     .000000   -7.250001   -8.78E-16     .000000   -5.65E-30   -3.48E-13

ELEM     291 ================== LENGTH =   60.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8977.861     .000000     .000000     .000000     .000000     .000000
0.50000    8970.999     .000000     .000000     .000000     .000000     .000000
1.00000    8964.137     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8977.861     .000000     .000000     .000000     .000000     .000000
0.50000   -8970.999     .000000     .000000     .000000     .000000     .000000
1.00000   -8964.137     .000000     .000000     .000000     .000000     .000000

ELEM     292 ================== LENGTH =   62.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8950.137     .000000     .000000     .000000     .000000     .000000
0.50000    8943.104     .000000     .000000     .000000     .000000     .000000
1.00000    8936.072     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8950.137     .000000     .000000     .000000     .000000     .000000
0.50000   -8943.104     .000000     .000000     .000000     .000000     .000000
1.00000   -8936.072     .000000     .000000     .000000     .000000     .000000

ELEM     293 ================== LENGTH =   39.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8922.072     .000000     .000000     .000000     .000000     .000000
0.50000    8917.563     .000000     .000000     .000000     .000000     .000000
1.00000    8913.054     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8922.072     .000000     .000000     .000000     .000000     .000000
0.50000   -8917.563     .000000     .000000     .000000     .000000     .000000
1.00000   -8913.054     .000000     .000000     .000000     .000000     .000000

ELEM     294 ================== LENGTH =    8.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000    8655.054     .000000     .000000     .000000     .000000     .000000
0.50000    8654.090     .000000     .000000     .000000     .000000     .000000
1.00000    8653.126     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8655.054     .000000     .000000     .000000     .000000     .000000
0.50000   -8654.090     .000000     .000000     .000000     .000000     .000000
1.00000   -8653.126     .000000     .000000     .000000     .000000     .000000

ELEM     295 ================== LENGTH =   48.250000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8639.126     .000000     .000000     .000000     .000000     .000000
0.50000    8633.653     .000000     .000000     .000000     .000000     .000000
1.00000    8628.181     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8639.126     .000000     .000000     .000000     .000000     .000000
0.50000   -8633.653     .000000     .000000     .000000     .000000     .000000
1.00000   -8628.181     .000000     .000000     .000000     .000000     .000000

ELEM     296 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8614.181     .000000     .000000     .000000     .000000     .000000
0.50000    8611.458     .000000     .000000     .000000     .000000     .000000
1.00000    8608.736     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8614.181     .000000     .000000     .000000     .000000     .000000
0.50000   -8611.458     .000000     .000000     .000000     .000000     .000000
1.00000   -8608.736     .000000     .000000     .000000     .000000     .000000

ELEM     297 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8019.736     .000000     .000000     .000000     .000000     .000000
0.50000    8017.014     .000000     .000000     .000000     .000000     .000000
1.00000    8014.292     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8019.736     .000000     .000000     .000000     .000000     .000000
0.50000   -8017.014     .000000     .000000     .000000     .000000     .000000
1.00000   -8014.292     .000000     .000000     .000000     .000000     .000000

ELEM     298 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    8000.292     .000000     .000000     .000000     .000000     .000000
0.50000    7994.847     .000000     .000000     .000000     .000000     .000000
1.00000    7989.403     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8000.292     .000000     .000000     .000000     .000000     .000000
0.50000   -7994.847     .000000     .000000     .000000     .000000     .000000
1.00000   -7989.403     .000000     .000000     .000000     .000000     .000000

ELEM     299 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7975.403     .000000     .000000     .000000     .000000     .000000
0.50000    7972.681     .000000     .000000     .000000     .000000     .000000
1.00000    7969.958     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7975.403     .000000     .000000     .000000     .000000     .000000
0.50000   -7972.681     .000000     .000000     .000000     .000000     .000000
1.00000   -7969.958     .000000     .000000     .000000     .000000     .000000

ELEM     300 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7372.958     .000000     .000000     .000000     .000000     .000000
0.50000    7370.236     .000000     .000000     .000000     .000000     .000000
1.00000    7367.514     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7372.958     .000000     .000000     .000000     .000000     .000000
0.50000   -7370.236     .000000     .000000     .000000     .000000     .000000
1.00000   -7367.514     .000000     .000000     .000000     .000000     .000000

ELEM     301 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7353.514     .000000     .000000     .000000     .000000     .000000
0.50000    7348.069     .000000     .000000     .000000     .000000     .000000
1.00000    7342.625     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7353.514     .000000     .000000     .000000     .000000     .000000
0.50000   -7348.069     .000000     .000000     .000000     .000000     .000000
1.00000   -7342.625     .000000     .000000     .000000     .000000     .000000

ELEM     302 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    7328.625     .000000     .000000     .000000     .000000     .000000
0.50000    7325.903     .000000     .000000     .000000     .000000     .000000
1.00000    7323.181     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7328.625     .000000     .000000     .000000     .000000     .000000
0.50000   -7325.903     .000000     .000000     .000000     .000000     .000000
1.00000   -7323.181     .000000     .000000     .000000     .000000     .000000

ELEM     303 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6701.181     .000000     .000000     .000000     .000000     .000000
0.50000    6698.458     .000000     .000000     .000000     .000000     .000000
1.00000    6695.736     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6701.181     .000000     .000000     .000000     .000000     .000000
0.50000   -6698.458     .000000     .000000     .000000     .000000     .000000
1.00000   -6695.736     .000000     .000000     .000000     .000000     .000000

ELEM     304 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6681.736     .000000     .000000     .000000     .000000     .000000
0.50000    6676.292     .000000     .000000     .000000     .000000     .000000
1.00000    6670.847     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6681.736     .000000     .000000     .000000     .000000     .000000
0.50000   -6676.292     .000000     .000000     .000000     .000000     .000000
1.00000   -6670.847     .000000     .000000     .000000     .000000     .000000

ELEM     306 ================== LENGTH =    9.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6575.958     .000000     .000000     .000000     .000000     .000000
0.50000    6574.888     .000000     .000000     .000000     .000000     .000000
1.00000    6573.817     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6575.958     .000000     .000000     .000000     .000000     .000000
0.50000   -6574.888     .000000     .000000     .000000     .000000     .000000
1.00000   -6573.817     .000000     .000000     .000000     .000000     .000000

ELEM     307 ================== LENGTH =    5.562500
```

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	6411.817	.000000	.000000	.000000	.000000	.000000
0.50000	6411.186	.000000	.000000	.000000	.000000	.000000
1.00000	6410.556	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-6411.817	.000000	.000000	.000000	.000000	.000000
0.50000	-6411.186	.000000	.000000	.000000	.000000	.000000
1.00000	-6410.556	.000000	.000000	.000000	.000000	.000000

ELEM 308 ========== LENGTH = 84.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1780.556	.000000	.000000	.000000	.000000	.000000
0.50000	1771.028	.000000	.000000	.000000	.000000	.000000
1.00000	1761.500	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1780.556	.000000	.000000	.000000	.000000	.000000
0.50000	-1771.028	.000000	.000000	.000000	.000000	.000000
1.00000	-1761.500	.000000	.000000	.000000	.000000	.000000

ELEM 309 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 311 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 312 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 314 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 316 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008

```
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     317 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     319 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     320 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13
```

ELEM 322 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 324 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 325 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 326 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 327 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.250001	8.78E-16	.000000	.000000	.000000
0.25000	.000000	3.625000	4.39E-16	.000000	1.19E-14	97.875008
0.50000	.000000	5.11E-15	8.01E-32	.000000	1.58E-14	130.500010
0.75000	.000000	3.625000	4.39E-16	.000000	1.19E-14	97.875008
1.00000	.000000	7.250001	8.78E-16	.000000	5.65E-30	3.48E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.250001	-8.78E-16	.000000	.000000	.000000
0.25000	.000000	-3.625000	-4.39E-16	.000000	-1.19E-14	-97.875008
0.50000	.000000	-5.11E-15	-8.01E-32	.000000	-1.58E-14	-130.500010
0.75000	.000000	-3.625000	-4.39E-16	.000000	-1.19E-14	-97.875008
1.00000	.000000	-7.250001	-8.78E-16	.000000	-5.65E-30	-3.48E-13

ELEM 328 ========== LENGTH = 60.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9183.861	.000000	.000000	.000000	.000000	.000000
0.50000	9176.999	.000000	.000000	.000000	.000000	.000000
1.00000	9170.137	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9183.861	.000000	.000000	.000000	.000000	.000000
0.50000	-9176.999	.000000	.000000	.000000	.000000	.000000
1.00000	-9170.137	.000000	.000000	.000000	.000000	.000000

ELEM 329 ========== LENGTH = 62.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9156.137	.000000	.000000	.000000	.000000	.000000
0.50000	9149.104	.000000	.000000	.000000	.000000	.000000
1.00000	9142.072	.000000	.000000	.000000	.000000	.000000

```
COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9156.137     .000000     .000000     .000000     .000000     .000000
0.50000   -9149.104     .000000     .000000     .000000     .000000     .000000
1.00000   -9142.072     .000000     .000000     .000000     .000000     .000000

ELEM     330 ================== LENGTH =   39.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9128.072     .000000     .000000     .000000     .000000     .000000
0.50000    9123.563     .000000     .000000     .000000     .000000     .000000
1.00000    9119.054     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9128.072     .000000     .000000     .000000     .000000     .000000
0.50000   -9123.563     .000000     .000000     .000000     .000000     .000000
1.00000   -9119.054     .000000     .000000     .000000     .000000     .000000

ELEM     331 ================== LENGTH =    8.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8861.054     .000000     .000000     .000000     .000000     .000000
0.50000    8860.090     .000000     .000000     .000000     .000000     .000000
1.00000    8859.126     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8861.054     .000000     .000000     .000000     .000000     .000000
0.50000   -8860.090     .000000     .000000     .000000     .000000     .000000
1.00000   -8859.126     .000000     .000000     .000000     .000000     .000000

ELEM     332 ================== LENGTH =   48.250000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8845.126     .000000     .000000     .000000     .000000     .000000
0.50000    8839.653     .000000     .000000     .000000     .000000     .000000
1.00000    8834.181     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8845.126     .000000     .000000     .000000     .000000     .000000
0.50000   -8839.653     .000000     .000000     .000000     .000000     .000000
1.00000   -8834.181     .000000     .000000     .000000     .000000     .000000

ELEM     333 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8820.181     .000000     .000000     .000000     .000000     .000000
0.50000    8817.458     .000000     .000000     .000000     .000000     .000000
1.00000    8814.736     .000000     .000000     .000000     .000000     .000000
```

```
COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8820.181     .000000     .000000     .000000     .000000     .000000
0.50000   -8817.458     .000000     .000000     .000000     .000000     .000000
1.00000   -8814.736     .000000     .000000     .000000     .000000     .000000

ELEM     334 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8225.736     .000000     .000000     .000000     .000000     .000000
0.50000    8223.014     .000000     .000000     .000000     .000000     .000000
1.00000    8220.292     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8225.736     .000000     .000000     .000000     .000000     .000000
0.50000   -8223.014     .000000     .000000     .000000     .000000     .000000
1.00000   -8220.292     .000000     .000000     .000000     .000000     .000000

ELEM     335 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8206.292     .000000     .000000     .000000     .000000     .000000
0.50000    8200.847     .000000     .000000     .000000     .000000     .000000
1.00000    8195.403     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8206.292     .000000     .000000     .000000     .000000     .000000
0.50000   -8200.847     .000000     .000000     .000000     .000000     .000000
1.00000   -8195.403     .000000     .000000     .000000     .000000     .000000

ELEM     336 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8181.403     .000000     .000000     .000000     .000000     .000000
0.50000    8178.681     .000000     .000000     .000000     .000000     .000000
1.00000    8175.958     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8181.403     .000000     .000000     .000000     .000000     .000000
0.50000   -8178.681     .000000     .000000     .000000     .000000     .000000
1.00000   -8175.958     .000000     .000000     .000000     .000000     .000000

ELEM     337 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7578.958     .000000     .000000     .000000     .000000     .000000
0.50000    7576.236     .000000     .000000     .000000     .000000     .000000
```

```
1.00000    7573.514     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7578.958     .000000     .000000     .000000     .000000     .000000
0.50000   -7576.236     .000000     .000000     .000000     .000000     .000000
1.00000   -7573.514     .000000     .000000     .000000     .000000     .000000

ELEM     338 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7559.514     .000000     .000000     .000000     .000000     .000000
0.50000    7554.069     .000000     .000000     .000000     .000000     .000000
1.00000    7548.625     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7559.514     .000000     .000000     .000000     .000000     .000000
0.50000   -7554.069     .000000     .000000     .000000     .000000     .000000
1.00000   -7548.625     .000000     .000000     .000000     .000000     .000000

ELEM     339 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7534.625     .000000     .000000     .000000     .000000     .000000
0.50000    7531.903     .000000     .000000     .000000     .000000     .000000
1.00000    7529.181     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7534.625     .000000     .000000     .000000     .000000     .000000
0.50000   -7531.903     .000000     .000000     .000000     .000000     .000000
1.00000   -7529.181     .000000     .000000     .000000     .000000     .000000

ELEM     340 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6907.181     .000000     .000000     .000000     .000000     .000000
0.50000    6904.458     .000000     .000000     .000000     .000000     .000000
1.00000    6901.736     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6907.181     .000000     .000000     .000000     .000000     .000000
0.50000   -6904.458     .000000     .000000     .000000     .000000     .000000
1.00000   -6901.736     .000000     .000000     .000000     .000000     .000000

ELEM     341 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6887.736     .000000     .000000     .000000     .000000     .000000
```

```
0.50000    6882.292     .000000     .000000     .000000     .000000     .000000
1.00000    6876.847     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6887.736     .000000     .000000     .000000     .000000     .000000
0.50000   -6882.292     .000000     .000000     .000000     .000000     .000000
1.00000   -6876.847     .000000     .000000     .000000     .000000     .000000

ELEM     343 ================== LENGTH =    9.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6781.958     .000000     .000000     .000000     .000000     .000000
0.50000    6780.888     .000000     .000000     .000000     .000000     .000000
1.00000    6779.817     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6781.958     .000000     .000000     .000000     .000000     .000000
0.50000   -6780.888     .000000     .000000     .000000     .000000     .000000
1.00000   -6779.817     .000000     .000000     .000000     .000000     .000000

ELEM     344 ================== LENGTH =    5.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6617.817     .000000     .000000     .000000     .000000     .000000
0.50000    6617.186     .000000     .000000     .000000     .000000     .000000
1.00000    6616.556     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6617.817     .000000     .000000     .000000     .000000     .000000
0.50000   -6617.186     .000000     .000000     .000000     .000000     .000000
1.00000   -6616.556     .000000     .000000     .000000     .000000     .000000

ELEM     345 ================== LENGTH =   84.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1986.556     .000000     .000000     .000000     .000000     .000000
0.50000    1977.028     .000000     .000000     .000000     .000000     .000000
1.00000    1967.500     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1986.556     .000000     .000000     .000000     .000000     .000000
0.50000   -1977.028     .000000     .000000     .000000     .000000     .000000
1.00000   -1967.500     .000000     .000000     .000000     .000000     .000000

ELEM     346 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
```

0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 347 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 348 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 350 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010

```
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     351 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     353 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     354 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13
```

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 356 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 357 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 358 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3

0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 359 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 360 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 361 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.250001	8.78E-16	.000000	.000000	.000000
0.25000	.000000	3.625000	4.39E-16	.000000	1.19E-14	97.875008
0.50000	.000000	5.11E-15	8.01E-32	.000000	1.58E-14	130.500010
0.75000	.000000	3.625000	4.39E-16	.000000	1.19E-14	97.875008
1.00000	.000000	7.250001	8.78E-16	.000000	5.65E-30	3.48E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.250001	-8.78E-16	.000000	.000000	.000000
0.25000	.000000	-3.625000	-4.39E-16	.000000	-1.19E-14	-97.875008
0.50000	.000000	-5.11E-15	-8.01E-32	.000000	-1.58E-14	-130.500010

```
0.75000     .000000   -3.625000   -4.39E-16     .000000   -1.19E-14  -97.875008
1.00000     .000000   -7.250001   -8.78E-16     .000000   -5.65E-30   -3.48E-13

ELEM     362 ================== LENGTH =   60.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9590.861     .000000     .000000     .000000     .000000     .000000
0.50000    9583.999     .000000     .000000     .000000     .000000     .000000
1.00000    9577.137     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9590.861     .000000     .000000     .000000     .000000     .000000
0.50000   -9583.999     .000000     .000000     .000000     .000000     .000000
1.00000   -9577.137     .000000     .000000     .000000     .000000     .000000

ELEM     363 ================== LENGTH =   62.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9563.137     .000000     .000000     .000000     .000000     .000000
0.50000    9556.104     .000000     .000000     .000000     .000000     .000000
1.00000    9549.072     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9563.137     .000000     .000000     .000000     .000000     .000000
0.50000   -9556.104     .000000     .000000     .000000     .000000     .000000
1.00000   -9549.072     .000000     .000000     .000000     .000000     .000000

ELEM     364 ================== LENGTH =   39.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9535.072     .000000     .000000     .000000     .000000     .000000
0.50000    9530.563     .000000     .000000     .000000     .000000     .000000
1.00000    9526.054     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9535.072     .000000     .000000     .000000     .000000     .000000
0.50000   -9530.563     .000000     .000000     .000000     .000000     .000000
1.00000   -9526.054     .000000     .000000     .000000     .000000     .000000

ELEM     365 ================== LENGTH =    8.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9268.054     .000000     .000000     .000000     .000000     .000000
0.50000    9267.090     .000000     .000000     .000000     .000000     .000000
1.00000    9266.126     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000   -9268.054     .000000     .000000     .000000     .000000     .000000
0.50000   -9267.090     .000000     .000000     .000000     .000000     .000000
1.00000   -9266.126     .000000     .000000     .000000     .000000     .000000

ELEM     366 ================== LENGTH =   48.250000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9252.126     .000000     .000000     .000000     .000000     .000000
0.50000    9246.653     .000000     .000000     .000000     .000000     .000000
1.00000    9241.181     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9252.126     .000000     .000000     .000000     .000000     .000000
0.50000   -9246.653     .000000     .000000     .000000     .000000     .000000
1.00000   -9241.181     .000000     .000000     .000000     .000000     .000000

ELEM     367 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9227.181     .000000     .000000     .000000     .000000     .000000
0.50000    9224.458     .000000     .000000     .000000     .000000     .000000
1.00000    9221.736     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9227.181     .000000     .000000     .000000     .000000     .000000
0.50000   -9224.458     .000000     .000000     .000000     .000000     .000000
1.00000   -9221.736     .000000     .000000     .000000     .000000     .000000

ELEM     368 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8632.736     .000000     .000000     .000000     .000000     .000000
0.50000    8630.014     .000000     .000000     .000000     .000000     .000000
1.00000    8627.292     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8632.736     .000000     .000000     .000000     .000000     .000000
0.50000   -8630.014     .000000     .000000     .000000     .000000     .000000
1.00000   -8627.292     .000000     .000000     .000000     .000000     .000000

ELEM     369 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8613.292     .000000     .000000     .000000     .000000     .000000
0.50000    8607.847     .000000     .000000     .000000     .000000     .000000
1.00000    8602.403     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000   -8613.292     .000000     .000000     .000000     .000000     .000000
0.50000   -8607.847     .000000     .000000     .000000     .000000     .000000
1.00000   -8602.403     .000000     .000000     .000000     .000000     .000000

ELEM     370 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8588.403     .000000     .000000     .000000     .000000     .000000
0.50000    8585.681     .000000     .000000     .000000     .000000     .000000
1.00000    8582.958     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8588.403     .000000     .000000     .000000     .000000     .000000
0.50000   -8585.681     .000000     .000000     .000000     .000000     .000000
1.00000   -8582.958     .000000     .000000     .000000     .000000     .000000

ELEM     371 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7985.958     .000000     .000000     .000000     .000000     .000000
0.50000    7983.236     .000000     .000000     .000000     .000000     .000000
1.00000    7980.514     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7985.958     .000000     .000000     .000000     .000000     .000000
0.50000   -7983.236     .000000     .000000     .000000     .000000     .000000
1.00000   -7980.514     .000000     .000000     .000000     .000000     .000000

ELEM     372 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7966.514     .000000     .000000     .000000     .000000     .000000
0.50000    7961.069     .000000     .000000     .000000     .000000     .000000
1.00000    7955.625     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7966.514     .000000     .000000     .000000     .000000     .000000
0.50000   -7961.069     .000000     .000000     .000000     .000000     .000000
1.00000   -7955.625     .000000     .000000     .000000     .000000     .000000

ELEM     373 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7941.625     .000000     .000000     .000000     .000000     .000000
0.50000    7938.903     .000000     .000000     .000000     .000000     .000000
1.00000    7936.181     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7941.625	.000000	.000000	.000000	.000000	.000000
0.50000	-7938.903	.000000	.000000	.000000	.000000	.000000
1.00000	-7936.181	.000000	.000000	.000000	.000000	.000000

ELEM 374 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7314.181	.000000	.000000	.000000	.000000	.000000
0.50000	7311.458	.000000	.000000	.000000	.000000	.000000
1.00000	7308.736	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7314.181	.000000	.000000	.000000	.000000	.000000
0.50000	-7311.458	.000000	.000000	.000000	.000000	.000000
1.00000	-7308.736	.000000	.000000	.000000	.000000	.000000

ELEM 375 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7294.736	.000000	.000000	.000000	.000000	.000000
0.50000	7289.292	.000000	.000000	.000000	.000000	.000000
1.00000	7283.847	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7294.736	.000000	.000000	.000000	.000000	.000000
0.50000	-7289.292	.000000	.000000	.000000	.000000	.000000
1.00000	-7283.847	.000000	.000000	.000000	.000000	.000000

ELEM 377 ========== LENGTH = 9.437500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7188.958	.000000	.000000	.000000	.000000	.000000
0.50000	7187.888	.000000	.000000	.000000	.000000	.000000
1.00000	7186.817	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7188.958	.000000	.000000	.000000	.000000	.000000
0.50000	-7187.888	.000000	.000000	.000000	.000000	.000000
1.00000	-7186.817	.000000	.000000	.000000	.000000	.000000

ELEM 378 ========== LENGTH = 5.562500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7024.817	.000000	.000000	.000000	.000000	.000000
0.50000	7024.186	.000000	.000000	.000000	.000000	.000000
1.00000	7023.556	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7024.817	.000000	.000000	.000000	.000000	.000000
0.50000	-7024.186	.000000	.000000	.000000	.000000	.000000
1.00000	-7023.556	.000000	.000000	.000000	.000000	.000000

ELEM 379 ========== LENGTH = 84.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2393.556	.000000	.000000	.000000	.000000	.000000
0.50000	2384.028	.000000	.000000	.000000	.000000	.000000
1.00000	2374.500	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2393.556	.000000	.000000	.000000	.000000	.000000
0.50000	-2384.028	.000000	.000000	.000000	.000000	.000000
1.00000	-2374.500	.000000	.000000	.000000	.000000	.000000

ELEM 381 ========== LENGTH = 36.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	7.08E-16	.000000	.000000	.000000
0.25000	.000000	5.250000	4.96E-16	.000000	5.42E-15	55.125004
0.50000	.000000	3.500000	2.84E-16	.000000	8.93E-15	94.500008
0.75000	.000000	1.750000	7.21E-17	.000000	1.05E-14	118.125009
1.00000	.000000	4.77E-15	1.40E-16	.000000	1.02E-14	126.000010

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-7.08E-16	.000000	.000000	.000000
0.25000	.000000	-5.250000	-4.96E-16	.000000	-5.42E-15	-55.125004
0.50000	.000000	-3.500000	-2.84E-16	.000000	-8.93E-15	-94.500008
0.75000	.000000	-1.750000	-7.21E-17	.000000	-1.05E-14	-118.125009
1.00000	.000000	-4.77E-15	-1.40E-16	.000000	-1.02E-14	-126.000010

ELEM 383 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 384 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 385 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 386 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 387 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 388 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 390 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 391 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000

```
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     392 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     393 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     394 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
```

```
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     395 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.250001    8.78E-16     .000000     .000000     .000000
0.25000     .000000    3.625000    4.39E-16     .000000    1.19E-14   97.875008
0.50000     .000000    5.11E-15    8.01E-32     .000000    1.58E-14  130.500010
0.75000     .000000    3.625000    4.39E-16     .000000    1.19E-14   97.875008
1.00000     .000000    7.250001    8.78E-16     .000000    5.65E-30    3.48E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.250001   -8.78E-16     .000000     .000000     .000000
0.25000     .000000   -3.625000   -4.39E-16     .000000   -1.19E-14  -97.875008
0.50000     .000000   -5.11E-15   -8.01E-32     .000000   -1.58E-14 -130.500010
0.75000     .000000   -3.625000   -4.39E-16     .000000   -1.19E-14  -97.875008
1.00000     .000000   -7.250001   -8.78E-16     .000000   -5.65E-30   -3.48E-13

ELEM     397 ================== LENGTH =   36.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.99E-15    1.40E-16     .000000    1.02E-14  126.000010
0.25000     .000000    1.750000    7.21E-17     .000000    1.05E-14  118.125009
0.50000     .000000    3.500000    2.84E-16     .000000    8.93E-15   94.500008
0.75000     .000000    5.250000    4.96E-16     .000000    5.42E-15   55.125004
1.00000     .000000    7.000001    7.08E-16     .000000    7.54E-30    2.36E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.99E-15   -1.40E-16     .000000   -1.02E-14 -126.000010
0.25000     .000000   -1.750000   -7.21E-17     .000000   -1.05E-14 -118.125009
0.50000     .000000   -3.500000   -2.84E-16     .000000   -8.93E-15  -94.500008
0.75000     .000000   -5.250000   -4.96E-16     .000000   -5.42E-15  -55.125004
1.00000     .000000   -7.000001   -7.08E-16     .000000   -7.54E-30   -2.36E-13

ELEM     399 ================== LENGTH =   60.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9590.861     .000000     .000000     .000000     .000000     .000000
0.50000    9583.999     .000000     .000000     .000000     .000000     .000000
1.00000    9577.137     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000   -9590.861     .000000     .000000     .000000     .000000     .000000
0.50000   -9583.999     .000000     .000000     .000000     .000000     .000000
1.00000   -9577.137     .000000     .000000     .000000     .000000     .000000

ELEM     400 ================== LENGTH =   62.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9563.137     .000000     .000000     .000000     .000000     .000000
0.50000    9556.104     .000000     .000000     .000000     .000000     .000000
1.00000    9549.072     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9563.137     .000000     .000000     .000000     .000000     .000000
0.50000   -9556.104     .000000     .000000     .000000     .000000     .000000
1.00000   -9549.072     .000000     .000000     .000000     .000000     .000000

ELEM     401 ================== LENGTH =   39.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9535.072     .000000     .000000     .000000     .000000     .000000
0.50000    9530.563     .000000     .000000     .000000     .000000     .000000
1.00000    9526.054     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9535.072     .000000     .000000     .000000     .000000     .000000
0.50000   -9530.563     .000000     .000000     .000000     .000000     .000000
1.00000   -9526.054     .000000     .000000     .000000     .000000     .000000

ELEM     402 ================== LENGTH =    8.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9268.054     .000000     .000000     .000000     .000000     .000000
0.50000    9267.090     .000000     .000000     .000000     .000000     .000000
1.00000    9266.126     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9268.054     .000000     .000000     .000000     .000000     .000000
0.50000   -9267.090     .000000     .000000     .000000     .000000     .000000
1.00000   -9266.126     .000000     .000000     .000000     .000000     .000000

ELEM     403 ================== LENGTH =   48.250000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9252.126     .000000     .000000     .000000     .000000     .000000
0.50000    9246.653     .000000     .000000     .000000     .000000     .000000
1.00000    9241.181     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000   -9252.126     .000000     .000000     .000000     .000000     .000000
0.50000   -9246.653     .000000     .000000     .000000     .000000     .000000
1.00000   -9241.181     .000000     .000000     .000000     .000000     .000000

ELEM     404 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9227.181     .000000     .000000     .000000     .000000     .000000
0.50000    9224.458     .000000     .000000     .000000     .000000     .000000
1.00000    9221.736     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9227.181     .000000     .000000     .000000     .000000     .000000
0.50000   -9224.458     .000000     .000000     .000000     .000000     .000000
1.00000   -9221.736     .000000     .000000     .000000     .000000     .000000

ELEM     405 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8632.736     .000000     .000000     .000000     .000000     .000000
0.50000    8630.014     .000000     .000000     .000000     .000000     .000000
1.00000    8627.292     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8632.736     .000000     .000000     .000000     .000000     .000000
0.50000   -8630.014     .000000     .000000     .000000     .000000     .000000
1.00000   -8627.292     .000000     .000000     .000000     .000000     .000000

ELEM     406 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8613.292     .000000     .000000     .000000     .000000     .000000
0.50000    8607.847     .000000     .000000     .000000     .000000     .000000
1.00000    8602.403     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8613.292     .000000     .000000     .000000     .000000     .000000
0.50000   -8607.847     .000000     .000000     .000000     .000000     .000000
1.00000   -8602.403     .000000     .000000     .000000     .000000     .000000

ELEM     407 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8588.403     .000000     .000000     .000000     .000000     .000000
0.50000    8585.681     .000000     .000000     .000000     .000000     .000000
1.00000    8582.958     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8588.403	.000000	.000000	.000000	.000000	.000000
0.50000	-8585.681	.000000	.000000	.000000	.000000	.000000
1.00000	-8582.958	.000000	.000000	.000000	.000000	.000000

ELEM 408 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7985.958	.000000	.000000	.000000	.000000	.000000
0.50000	7983.236	.000000	.000000	.000000	.000000	.000000
1.00000	7980.514	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7985.958	.000000	.000000	.000000	.000000	.000000
0.50000	-7983.236	.000000	.000000	.000000	.000000	.000000
1.00000	-7980.514	.000000	.000000	.000000	.000000	.000000

ELEM 409 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7966.514	.000000	.000000	.000000	.000000	.000000
0.50000	7961.069	.000000	.000000	.000000	.000000	.000000
1.00000	7955.625	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7966.514	.000000	.000000	.000000	.000000	.000000
0.50000	-7961.069	.000000	.000000	.000000	.000000	.000000
1.00000	-7955.625	.000000	.000000	.000000	.000000	.000000

ELEM 410 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7941.625	.000000	.000000	.000000	.000000	.000000
0.50000	7938.903	.000000	.000000	.000000	.000000	.000000
1.00000	7936.181	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7941.625	.000000	.000000	.000000	.000000	.000000
0.50000	-7938.903	.000000	.000000	.000000	.000000	.000000
1.00000	-7936.181	.000000	.000000	.000000	.000000	.000000

ELEM 411 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7314.181	.000000	.000000	.000000	.000000	.000000
0.50000	7311.458	.000000	.000000	.000000	.000000	.000000
1.00000	7308.736	.000000	.000000	.000000	.000000	.000000

```
COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7314.181     .000000     .000000     .000000     .000000     .000000
0.50000   -7311.458     .000000     .000000     .000000     .000000     .000000
1.00000   -7308.736     .000000     .000000     .000000     .000000     .000000

ELEM     412 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7294.736     .000000     .000000     .000000     .000000     .000000
0.50000    7289.292     .000000     .000000     .000000     .000000     .000000
1.00000    7283.847     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7294.736     .000000     .000000     .000000     .000000     .000000
0.50000   -7289.292     .000000     .000000     .000000     .000000     .000000
1.00000   -7283.847     .000000     .000000     .000000     .000000     .000000

ELEM     414 ================== LENGTH =    9.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7188.958     .000000     .000000     .000000     .000000     .000000
0.50000    7187.888     .000000     .000000     .000000     .000000     .000000
1.00000    7186.817     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7188.958     .000000     .000000     .000000     .000000     .000000
0.50000   -7187.888     .000000     .000000     .000000     .000000     .000000
1.00000   -7186.817     .000000     .000000     .000000     .000000     .000000

ELEM     415 ================== LENGTH =    5.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7024.817     .000000     .000000     .000000     .000000     .000000
0.50000    7024.186     .000000     .000000     .000000     .000000     .000000
1.00000    7023.556     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7024.817     .000000     .000000     .000000     .000000     .000000
0.50000   -7024.186     .000000     .000000     .000000     .000000     .000000
1.00000   -7023.556     .000000     .000000     .000000     .000000     .000000

ELEM     416 ================== LENGTH =   84.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2393.556     .000000     .000000     .000000     .000000     .000000
0.50000    2384.028     .000000     .000000     .000000     .000000     .000000
1.00000    2374.500     .000000     .000000     .000000     .000000     .000000
```

```
COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2393.556     .000000     .000000     .000000     .000000     .000000
0.50000   -2384.028     .000000     .000000     .000000     .000000     .000000
1.00000   -2374.500     .000000     .000000     .000000     .000000     .000000

ELEM     417 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     418 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     419 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
```

```
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     421 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     422 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     423 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
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1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     424 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     426 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     427 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     429 ================== LENGTH =   72.000000
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COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     430 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     431 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     432 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.250001	8.78E-16	.000000	.000000	.000000
0.25000	.000000	3.625000	4.39E-16	.000000	1.19E-14	97.875008
0.50000	.000000	5.11E-15	8.01E-32	.000000	1.58E-14	130.500010
0.75000	.000000	3.625000	4.39E-16	.000000	1.19E-14	97.875008
1.00000	.000000	7.250001	8.78E-16	.000000	5.65E-30	3.48E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.250001	-8.78E-16	.000000	.000000	.000000
0.25000	.000000	-3.625000	-4.39E-16	.000000	-1.19E-14	-97.875008
0.50000	.000000	-5.11E-15	-8.01E-32	.000000	-1.58E-14	-130.500010
0.75000	.000000	-3.625000	-4.39E-16	.000000	-1.19E-14	-97.875008
1.00000	.000000	-7.250001	-8.78E-16	.000000	-5.65E-30	-3.48E-13

ELEM 433 ========== LENGTH = 60.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9183.861	.000000	.000000	.000000	.000000	.000000
0.50000	9176.999	.000000	.000000	.000000	.000000	.000000
1.00000	9170.137	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9183.861	.000000	.000000	.000000	.000000	.000000
0.50000	-9176.999	.000000	.000000	.000000	.000000	.000000
1.00000	-9170.137	.000000	.000000	.000000	.000000	.000000

ELEM 434 ========== LENGTH = 62.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9156.137	.000000	.000000	.000000	.000000	.000000
0.50000	9149.104	.000000	.000000	.000000	.000000	.000000
1.00000	9142.072	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9156.137	.000000	.000000	.000000	.000000	.000000
0.50000	-9149.104	.000000	.000000	.000000	.000000	.000000
1.00000	-9142.072	.000000	.000000	.000000	.000000	.000000

ELEM 435 ========== LENGTH = 39.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9128.072	.000000	.000000	.000000	.000000	.000000
0.50000	9123.563	.000000	.000000	.000000	.000000	.000000
1.00000	9119.054	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9128.072	.000000	.000000	.000000	.000000	.000000
0.50000	-9123.563	.000000	.000000	.000000	.000000	.000000
1.00000	-9119.054	.000000	.000000	.000000	.000000	.000000

ELEM 436 ========== LENGTH = 8.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8861.054	.000000	.000000	.000000	.000000	.000000
0.50000	8860.090	.000000	.000000	.000000	.000000	.000000
1.00000	8859.126	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8861.054	.000000	.000000	.000000	.000000	.000000
0.50000	-8860.090	.000000	.000000	.000000	.000000	.000000
1.00000	-8859.126	.000000	.000000	.000000	.000000	.000000

ELEM 437 ========== LENGTH = 48.250000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8845.126	.000000	.000000	.000000	.000000	.000000
0.50000	8839.653	.000000	.000000	.000000	.000000	.000000
1.00000	8834.181	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8845.126	.000000	.000000	.000000	.000000	.000000
0.50000	-8839.653	.000000	.000000	.000000	.000000	.000000
1.00000	-8834.181	.000000	.000000	.000000	.000000	.000000

ELEM 438 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8820.181	.000000	.000000	.000000	.000000	.000000
0.50000	8817.458	.000000	.000000	.000000	.000000	.000000
1.00000	8814.736	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8820.181	.000000	.000000	.000000	.000000	.000000
0.50000	-8817.458	.000000	.000000	.000000	.000000	.000000
1.00000	-8814.736	.000000	.000000	.000000	.000000	.000000

ELEM 439 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8225.736	.000000	.000000	.000000	.000000	.000000
0.50000	8223.014	.000000	.000000	.000000	.000000	.000000
1.00000	8220.292	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8225.736	.000000	.000000	.000000	.000000	.000000
0.50000	-8223.014	.000000	.000000	.000000	.000000	.000000

```
1.00000   -8220.292     .000000     .000000     .000000     .000000     .000000

ELEM     440 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8206.292     .000000     .000000     .000000     .000000     .000000
0.50000    8200.847     .000000     .000000     .000000     .000000     .000000
1.00000    8195.403     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8206.292     .000000     .000000     .000000     .000000     .000000
0.50000   -8200.847     .000000     .000000     .000000     .000000     .000000
1.00000   -8195.403     .000000     .000000     .000000     .000000     .000000

ELEM     441 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8181.403     .000000     .000000     .000000     .000000     .000000
0.50000    8178.681     .000000     .000000     .000000     .000000     .000000
1.00000    8175.958     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8181.403     .000000     .000000     .000000     .000000     .000000
0.50000   -8178.681     .000000     .000000     .000000     .000000     .000000
1.00000   -8175.958     .000000     .000000     .000000     .000000     .000000

ELEM     442 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7578.958     .000000     .000000     .000000     .000000     .000000
0.50000    7576.236     .000000     .000000     .000000     .000000     .000000
1.00000    7573.514     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7578.958     .000000     .000000     .000000     .000000     .000000
0.50000   -7576.236     .000000     .000000     .000000     .000000     .000000
1.00000   -7573.514     .000000     .000000     .000000     .000000     .000000

ELEM     443 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7559.514     .000000     .000000     .000000     .000000     .000000
0.50000    7554.069     .000000     .000000     .000000     .000000     .000000
1.00000    7548.625     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7559.514     .000000     .000000     .000000     .000000     .000000
```

```
0.50000   -7554.069     .000000     .000000     .000000     .000000     .000000
1.00000   -7548.625     .000000     .000000     .000000     .000000     .000000

ELEM     444 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7534.625     .000000     .000000     .000000     .000000     .000000
0.50000    7531.903     .000000     .000000     .000000     .000000     .000000
1.00000    7529.181     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7534.625     .000000     .000000     .000000     .000000     .000000
0.50000   -7531.903     .000000     .000000     .000000     .000000     .000000
1.00000   -7529.181     .000000     .000000     .000000     .000000     .000000

ELEM     445 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6907.181     .000000     .000000     .000000     .000000     .000000
0.50000    6904.458     .000000     .000000     .000000     .000000     .000000
1.00000    6901.736     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6907.181     .000000     .000000     .000000     .000000     .000000
0.50000   -6904.458     .000000     .000000     .000000     .000000     .000000
1.00000   -6901.736     .000000     .000000     .000000     .000000     .000000

ELEM     446 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6887.736     .000000     .000000     .000000     .000000     .000000
0.50000    6882.292     .000000     .000000     .000000     .000000     .000000
1.00000    6876.847     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6887.736     .000000     .000000     .000000     .000000     .000000
0.50000   -6882.292     .000000     .000000     .000000     .000000     .000000
1.00000   -6876.847     .000000     .000000     .000000     .000000     .000000

ELEM     448 ================== LENGTH =    9.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6781.958     .000000     .000000     .000000     .000000     .000000
0.50000    6780.888     .000000     .000000     .000000     .000000     .000000
1.00000    6779.817     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000   -6781.958     .000000     .000000     .000000     .000000     .000000
0.50000   -6780.888     .000000     .000000     .000000     .000000     .000000
1.00000   -6779.817     .000000     .000000     .000000     .000000     .000000

ELEM     449 ================== LENGTH =    5.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6617.817     .000000     .000000     .000000     .000000     .000000
0.50000    6617.186     .000000     .000000     .000000     .000000     .000000
1.00000    6616.556     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6617.817     .000000     .000000     .000000     .000000     .000000
0.50000   -6617.186     .000000     .000000     .000000     .000000     .000000
1.00000   -6616.556     .000000     .000000     .000000     .000000     .000000

ELEM     450 ================== LENGTH =   84.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1986.556     .000000     .000000     .000000     .000000     .000000
0.50000    1977.028     .000000     .000000     .000000     .000000     .000000
1.00000    1967.500     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1986.556     .000000     .000000     .000000     .000000     .000000
0.50000   -1977.028     .000000     .000000     .000000     .000000     .000000
1.00000   -1967.500     .000000     .000000     .000000     .000000     .000000

ELEM     451 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     453 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
```

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0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     454 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     455 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     457 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13
```

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 458 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 460 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 461 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 463 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 465 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 467 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008

```
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     468 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     469 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.250001    8.78E-16     .000000     .000000     .000000
0.25000     .000000    3.625000    4.39E-16     .000000    1.19E-14   97.875008
0.50000     .000000    5.11E-15    8.01E-32     .000000    1.58E-14  130.500010
0.75000     .000000    3.625000    4.39E-16     .000000    1.19E-14   97.875008
1.00000     .000000    7.250001    8.78E-16     .000000    5.65E-30    3.48E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.250001   -8.78E-16     .000000     .000000     .000000
0.25000     .000000   -3.625000   -4.39E-16     .000000   -1.19E-14  -97.875008
0.50000     .000000   -5.11E-15   -8.01E-32     .000000   -1.58E-14 -130.500010
0.75000     .000000   -3.625000   -4.39E-16     .000000   -1.19E-14  -97.875008
1.00000     .000000   -7.250001   -8.78E-16     .000000   -5.65E-30   -3.48E-13

ELEM     470 ================== LENGTH =   60.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8977.861     .000000     .000000     .000000     .000000     .000000
0.50000    8970.999     .000000     .000000     .000000     .000000     .000000
1.00000    8964.137     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8977.861     .000000     .000000     .000000     .000000     .000000
0.50000   -8970.999     .000000     .000000     .000000     .000000     .000000
1.00000   -8964.137     .000000     .000000     .000000     .000000     .000000

ELEM     471 ================== LENGTH =   62.000000

COMBDEADLOAD ------------------ MAX
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	8950.137	.000000	.000000	.000000	.000000	.000000
0.50000	8943.104	.000000	.000000	.000000	.000000	.000000
1.00000	8936.072	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8950.137	.000000	.000000	.000000	.000000	.000000
0.50000	-8943.104	.000000	.000000	.000000	.000000	.000000
1.00000	-8936.072	.000000	.000000	.000000	.000000	.000000

ELEM 472 ========== LENGTH = 39.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8922.072	.000000	.000000	.000000	.000000	.000000
0.50000	8917.563	.000000	.000000	.000000	.000000	.000000
1.00000	8913.054	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8922.072	.000000	.000000	.000000	.000000	.000000
0.50000	-8917.563	.000000	.000000	.000000	.000000	.000000
1.00000	-8913.054	.000000	.000000	.000000	.000000	.000000

ELEM 473 ========== LENGTH = 8.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8655.054	.000000	.000000	.000000	.000000	.000000
0.50000	8654.090	.000000	.000000	.000000	.000000	.000000
1.00000	8653.126	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8655.054	.000000	.000000	.000000	.000000	.000000
0.50000	-8654.090	.000000	.000000	.000000	.000000	.000000
1.00000	-8653.126	.000000	.000000	.000000	.000000	.000000

ELEM 474 ========== LENGTH = 48.250000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8639.126	.000000	.000000	.000000	.000000	.000000
0.50000	8633.653	.000000	.000000	.000000	.000000	.000000
1.00000	8628.181	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8639.126	.000000	.000000	.000000	.000000	.000000
0.50000	-8633.653	.000000	.000000	.000000	.000000	.000000
1.00000	-8628.181	.000000	.000000	.000000	.000000	.000000

ELEM 475 ========== LENGTH = 24.000000

```
COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8614.181     .000000     .000000     .000000     .000000     .000000
0.50000    8611.458     .000000     .000000     .000000     .000000     .000000
1.00000    8608.736     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8614.181     .000000     .000000     .000000     .000000     .000000
0.50000   -8611.458     .000000     .000000     .000000     .000000     .000000
1.00000   -8608.736     .000000     .000000     .000000     .000000     .000000

ELEM     476 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8019.736     .000000     .000000     .000000     .000000     .000000
0.50000    8017.014     .000000     .000000     .000000     .000000     .000000
1.00000    8014.292     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8019.736     .000000     .000000     .000000     .000000     .000000
0.50000   -8017.014     .000000     .000000     .000000     .000000     .000000
1.00000   -8014.292     .000000     .000000     .000000     .000000     .000000

ELEM     477 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8000.292     .000000     .000000     .000000     .000000     .000000
0.50000    7994.847     .000000     .000000     .000000     .000000     .000000
1.00000    7989.403     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8000.292     .000000     .000000     .000000     .000000     .000000
0.50000   -7994.847     .000000     .000000     .000000     .000000     .000000
1.00000   -7989.403     .000000     .000000     .000000     .000000     .000000

ELEM     478 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7975.403     .000000     .000000     .000000     .000000     .000000
0.50000    7972.681     .000000     .000000     .000000     .000000     .000000
1.00000    7969.958     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7975.403     .000000     .000000     .000000     .000000     .000000
0.50000   -7972.681     .000000     .000000     .000000     .000000     .000000
1.00000   -7969.958     .000000     .000000     .000000     .000000     .000000

ELEM     479 ================== LENGTH =   24.000000
```

```
COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7372.958     .000000     .000000     .000000     .000000     .000000
0.50000    7370.236     .000000     .000000     .000000     .000000     .000000
1.00000    7367.514     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7372.958     .000000     .000000     .000000     .000000     .000000
0.50000   -7370.236     .000000     .000000     .000000     .000000     .000000
1.00000   -7367.514     .000000     .000000     .000000     .000000     .000000

ELEM     480 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7353.514     .000000     .000000     .000000     .000000     .000000
0.50000    7348.069     .000000     .000000     .000000     .000000     .000000
1.00000    7342.625     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7353.514     .000000     .000000     .000000     .000000     .000000
0.50000   -7348.069     .000000     .000000     .000000     .000000     .000000
1.00000   -7342.625     .000000     .000000     .000000     .000000     .000000

ELEM     481 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7328.625     .000000     .000000     .000000     .000000     .000000
0.50000    7325.903     .000000     .000000     .000000     .000000     .000000
1.00000    7323.181     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7328.625     .000000     .000000     .000000     .000000     .000000
0.50000   -7325.903     .000000     .000000     .000000     .000000     .000000
1.00000   -7323.181     .000000     .000000     .000000     .000000     .000000

ELEM     482 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6701.181     .000000     .000000     .000000     .000000     .000000
0.50000    6698.458     .000000     .000000     .000000     .000000     .000000
1.00000    6695.736     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6701.181     .000000     .000000     .000000     .000000     .000000
0.50000   -6698.458     .000000     .000000     .000000     .000000     .000000
1.00000   -6695.736     .000000     .000000     .000000     .000000     .000000
```

ELEM 483 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	6681.736	.000000	.000000	.000000	.000000	.000000
0.50000	6676.292	.000000	.000000	.000000	.000000	.000000
1.00000	6670.847	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-6681.736	.000000	.000000	.000000	.000000	.000000
0.50000	-6676.292	.000000	.000000	.000000	.000000	.000000
1.00000	-6670.847	.000000	.000000	.000000	.000000	.000000

ELEM 485 ========== LENGTH = 9.437500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	6575.958	.000000	.000000	.000000	.000000	.000000
0.50000	6574.888	.000000	.000000	.000000	.000000	.000000
1.00000	6573.817	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-6575.958	.000000	.000000	.000000	.000000	.000000
0.50000	-6574.888	.000000	.000000	.000000	.000000	.000000
1.00000	-6573.817	.000000	.000000	.000000	.000000	.000000

ELEM 486 ========== LENGTH = 5.562500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	6411.817	.000000	.000000	.000000	.000000	.000000
0.50000	6411.186	.000000	.000000	.000000	.000000	.000000
1.00000	6410.556	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-6411.817	.000000	.000000	.000000	.000000	.000000
0.50000	-6411.186	.000000	.000000	.000000	.000000	.000000
1.00000	-6410.556	.000000	.000000	.000000	.000000	.000000

ELEM 487 ========== LENGTH = 84.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1780.556	.000000	.000000	.000000	.000000	.000000
0.50000	1771.028	.000000	.000000	.000000	.000000	.000000
1.00000	1761.500	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1780.556	.000000	.000000	.000000	.000000	.000000
0.50000	-1771.028	.000000	.000000	.000000	.000000	.000000
1.00000	-1761.500	.000000	.000000	.000000	.000000	.000000

ELEM 489 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 490 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 491 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 492 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 493 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 494 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 495 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3

0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 496 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 497 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 498 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010

```
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     500 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     501 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     503 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.250001    8.78E-16     .000000     .000000     .000000
0.25000     .000000    3.625000    4.39E-16     .000000    1.19E-14   97.875008
0.50000     .000000    5.11E-15    8.01E-32     .000000    1.58E-14  130.500010
0.75000     .000000    3.625000    4.39E-16     .000000    1.19E-14   97.875008
1.00000     .000000    7.250001    8.78E-16     .000000    5.65E-30    3.48E-13
```

```
COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.250001   -8.78E-16     .000000     .000000     .000000
0.25000     .000000   -3.625000   -4.39E-16     .000000   -1.19E-14  -97.875008
0.50000     .000000   -5.11E-15   -8.01E-32     .000000   -1.58E-14 -130.500010
0.75000     .000000   -3.625000   -4.39E-16     .000000   -1.19E-14  -97.875008
1.00000     .000000   -7.250001   -8.78E-16     .000000   -5.65E-30   -3.48E-13

ELEM     504 ================== LENGTH =   60.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   11815.611     .000000     .000000     .000000     .000000     .000000
0.50000   11808.749     .000000     .000000     .000000     .000000     .000000
1.00000   11801.887     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -11815.611     .000000     .000000     .000000     .000000     .000000
0.50000  -11808.749     .000000     .000000     .000000     .000000     .000000
1.00000  -11801.887     .000000     .000000     .000000     .000000     .000000

ELEM     505 ================== LENGTH =   62.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   11794.887     .000000     .000000     .000000     .000000     .000000
0.50000   11787.854     .000000     .000000     .000000     .000000     .000000
1.00000   11780.822     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -11794.887     .000000     .000000     .000000     .000000     .000000
0.50000  -11787.854     .000000     .000000     .000000     .000000     .000000
1.00000  -11780.822     .000000     .000000     .000000     .000000     .000000

ELEM     506 ================== LENGTH =   39.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   11773.822     .000000     .000000     .000000     .000000     .000000
0.50000   11769.313     .000000     .000000     .000000     .000000     .000000
1.00000   11764.804     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -11773.822     .000000     .000000     .000000     .000000     .000000
0.50000  -11769.313     .000000     .000000     .000000     .000000     .000000
1.00000  -11764.804     .000000     .000000     .000000     .000000     .000000

ELEM     507 ================== LENGTH =    8.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   11506.804     .000000     .000000     .000000     .000000     .000000
```

```
0.50000   11505.840     .000000     .000000     .000000     .000000     .000000
1.00000   11504.876     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -11506.804     .000000     .000000     .000000     .000000     .000000
0.50000  -11505.840     .000000     .000000     .000000     .000000     .000000
1.00000  -11504.876     .000000     .000000     .000000     .000000     .000000

ELEM     508 ================== LENGTH =   48.250000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   11276.876     .000000     .000000     .000000     .000000     .000000
0.50000   11271.403     .000000     .000000     .000000     .000000     .000000
1.00000   11265.931     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -11276.876     .000000     .000000     .000000     .000000     .000000
0.50000  -11271.403     .000000     .000000     .000000     .000000     .000000
1.00000  -11265.931     .000000     .000000     .000000     .000000     .000000

ELEM     509 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   10974.931     .000000     .000000     .000000     .000000     .000000
0.50000   10972.208     .000000     .000000     .000000     .000000     .000000
1.00000   10969.486     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -10974.931     .000000     .000000     .000000     .000000     .000000
0.50000  -10972.208     .000000     .000000     .000000     .000000     .000000
1.00000  -10969.486     .000000     .000000     .000000     .000000     .000000

ELEM     510 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   10380.486     .000000     .000000     .000000     .000000     .000000
0.50000   10377.764     .000000     .000000     .000000     .000000     .000000
1.00000   10375.042     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -10380.486     .000000     .000000     .000000     .000000     .000000
0.50000  -10377.764     .000000     .000000     .000000     .000000     .000000
1.00000  -10375.042     .000000     .000000     .000000     .000000     .000000

ELEM     511 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000   10085.042     .000000     .000000     .000000     .000000     .000000
0.50000   10079.597     .000000     .000000     .000000     .000000     .000000
1.00000   10074.153     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -10085.042     .000000     .000000     .000000     .000000     .000000
0.50000  -10079.597     .000000     .000000     .000000     .000000     .000000
1.00000  -10074.153     .000000     .000000     .000000     .000000     .000000

ELEM     512 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9784.153     .000000     .000000     .000000     .000000     .000000
0.50000    9781.431     .000000     .000000     .000000     .000000     .000000
1.00000    9778.708     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9784.153     .000000     .000000     .000000     .000000     .000000
0.50000   -9781.431     .000000     .000000     .000000     .000000     .000000
1.00000   -9778.708     .000000     .000000     .000000     .000000     .000000

ELEM     513 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9181.708     .000000     .000000     .000000     .000000     .000000
0.50000    9178.986     .000000     .000000     .000000     .000000     .000000
1.00000    9176.264     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9181.708     .000000     .000000     .000000     .000000     .000000
0.50000   -9178.986     .000000     .000000     .000000     .000000     .000000
1.00000   -9176.264     .000000     .000000     .000000     .000000     .000000

ELEM     514 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8886.264     .000000     .000000     .000000     .000000     .000000
0.50000    8880.819     .000000     .000000     .000000     .000000     .000000
1.00000    8875.375     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8886.264     .000000     .000000     .000000     .000000     .000000
0.50000   -8880.819     .000000     .000000     .000000     .000000     .000000
1.00000   -8875.375     .000000     .000000     .000000     .000000     .000000

ELEM     515 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    8585.375     .000000     .000000     .000000     .000000     .000000
0.50000    8582.653     .000000     .000000     .000000     .000000     .000000
1.00000    8579.931     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8585.375     .000000     .000000     .000000     .000000     .000000
0.50000   -8582.653     .000000     .000000     .000000     .000000     .000000
1.00000   -8579.931     .000000     .000000     .000000     .000000     .000000

ELEM     516 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7957.931     .000000     .000000     .000000     .000000     .000000
0.50000    7955.208     .000000     .000000     .000000     .000000     .000000
1.00000    7952.486     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7957.931     .000000     .000000     .000000     .000000     .000000
0.50000   -7955.208     .000000     .000000     .000000     .000000     .000000
1.00000   -7952.486     .000000     .000000     .000000     .000000     .000000

ELEM     517 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7662.486     .000000     .000000     .000000     .000000     .000000
0.50000    7657.042     .000000     .000000     .000000     .000000     .000000
1.00000    7651.597     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7662.486     .000000     .000000     .000000     .000000     .000000
0.50000   -7657.042     .000000     .000000     .000000     .000000     .000000
1.00000   -7651.597     .000000     .000000     .000000     .000000     .000000

ELEM     519 ================== LENGTH =    9.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7101.708     .000000     .000000     .000000     .000000     .000000
0.50000    7100.638     .000000     .000000     .000000     .000000     .000000
1.00000    7099.567     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7101.708     .000000     .000000     .000000     .000000     .000000
0.50000   -7100.638     .000000     .000000     .000000     .000000     .000000
1.00000   -7099.567     .000000     .000000     .000000     .000000     .000000

ELEM     520 ================== LENGTH =    5.562500

COMBDEADLOAD ------------------ MAX
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    6937.567     .000000     .000000     .000000     .000000     .000000
0.50000    6936.936     .000000     .000000     .000000     .000000     .000000
1.00000    6936.306     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6937.567     .000000     .000000     .000000     .000000     .000000
0.50000   -6936.936     .000000     .000000     .000000     .000000     .000000
1.00000   -6936.306     .000000     .000000     .000000     .000000     .000000

ELEM     521 ================== LENGTH =   63.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2021.306     .000000     .000000     .000000     .000000     .000000
0.50000    2014.160     .000000     .000000     .000000     .000000     .000000
1.00000    2007.014     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2021.306     .000000     .000000     .000000     .000000     .000000
0.50000   -2014.160     .000000     .000000     .000000     .000000     .000000
1.00000   -2007.014     .000000     .000000     .000000     .000000     .000000

ELEM     522 ================== LENGTH =   21.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2007.014     .000000     .000000     .000000     .000000     .000000
0.50000    2004.632     .000000     .000000     .000000     .000000     .000000
1.00000    2002.250     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2007.014     .000000     .000000     .000000     .000000     .000000
0.50000   -2004.632     .000000     .000000     .000000     .000000     .000000
1.00000   -2002.250     .000000     .000000     .000000     .000000     .000000

ELEM     523 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3652.597     .000000     .000000     .000000     .000000     .000000
0.50000    3649.875     .000000     .000000     .000000     .000000     .000000
1.00000    3647.153     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3652.597     .000000     .000000     .000000     .000000     .000000
0.50000   -3649.875     .000000     .000000     .000000     .000000     .000000
1.00000   -3647.153     .000000     .000000     .000000     .000000     .000000

ELEM     524 ================== LENGTH =   24.000000
```

```
COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3619.153     .000000     .000000     .000000     .000000     .000000
0.50000    3616.431     .000000     .000000     .000000     .000000     .000000
1.00000    3613.708     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3619.153     .000000     .000000     .000000     .000000     .000000
0.50000   -3616.431     .000000     .000000     .000000     .000000     .000000
1.00000   -3613.708     .000000     .000000     .000000     .000000     .000000

ELEM     525 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6656.847     .000000     .000000     .000000     .000000     .000000
0.50000    6654.125     .000000     .000000     .000000     .000000     .000000
1.00000    6651.403     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6656.847     .000000     .000000     .000000     .000000     .000000
0.50000   -6654.125     .000000     .000000     .000000     .000000     .000000
1.00000   -6651.403     .000000     .000000     .000000     .000000     .000000

ELEM     526 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6595.403     .000000     .000000     .000000     .000000     .000000
0.50000    6592.681     .000000     .000000     .000000     .000000     .000000
1.00000    6589.958     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6595.403     .000000     .000000     .000000     .000000     .000000
0.50000   -6592.681     .000000     .000000     .000000     .000000     .000000
1.00000   -6589.958     .000000     .000000     .000000     .000000     .000000

ELEM     527 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7182.847     .000000     .000000     .000000     .000000     .000000
0.50000    7180.125     .000000     .000000     .000000     .000000     .000000
1.00000    7177.403     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7182.847     .000000     .000000     .000000     .000000     .000000
0.50000   -7180.125     .000000     .000000     .000000     .000000     .000000
1.00000   -7177.403     .000000     .000000     .000000     .000000     .000000

ELEM     528 ================== LENGTH =   24.000000
```

```
COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6801.403     .000000     .000000     .000000     .000000     .000000
0.50000    6798.681     .000000     .000000     .000000     .000000     .000000
1.00000    6795.958     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6801.403     .000000     .000000     .000000     .000000     .000000
0.50000   -6798.681     .000000     .000000     .000000     .000000     .000000
1.00000   -6795.958     .000000     .000000     .000000     .000000     .000000

ELEM     529 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7429.847     .000000     .000000     .000000     .000000     .000000
0.50000    7427.125     .000000     .000000     .000000     .000000     .000000
1.00000    7424.403     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7429.847     .000000     .000000     .000000     .000000     .000000
0.50000   -7427.125     .000000     .000000     .000000     .000000     .000000
1.00000   -7424.403     .000000     .000000     .000000     .000000     .000000

ELEM     530 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7208.403     .000000     .000000     .000000     .000000     .000000
0.50000    7205.681     .000000     .000000     .000000     .000000     .000000
1.00000    7202.958     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7208.403     .000000     .000000     .000000     .000000     .000000
0.50000   -7205.681     .000000     .000000     .000000     .000000     .000000
1.00000   -7202.958     .000000     .000000     .000000     .000000     .000000

ELEM     531 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7269.847     .000000     .000000     .000000     .000000     .000000
0.50000    7267.125     .000000     .000000     .000000     .000000     .000000
1.00000    7264.403     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7269.847     .000000     .000000     .000000     .000000     .000000
0.50000   -7267.125     .000000     .000000     .000000     .000000     .000000
1.00000   -7264.403     .000000     .000000     .000000     .000000     .000000
```

ELEM 532 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7208.403	.000000	.000000	.000000	.000000	.000000
0.50000	7205.681	.000000	.000000	.000000	.000000	.000000
1.00000	7202.958	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7208.403	.000000	.000000	.000000	.000000	.000000
0.50000	-7205.681	.000000	.000000	.000000	.000000	.000000
1.00000	-7202.958	.000000	.000000	.000000	.000000	.000000

ELEM 533 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	6862.847	.000000	.000000	.000000	.000000	.000000
0.50000	6860.125	.000000	.000000	.000000	.000000	.000000
1.00000	6857.403	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-6862.847	.000000	.000000	.000000	.000000	.000000
0.50000	-6860.125	.000000	.000000	.000000	.000000	.000000
1.00000	-6857.403	.000000	.000000	.000000	.000000	.000000

ELEM 534 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	6801.403	.000000	.000000	.000000	.000000	.000000
0.50000	6798.681	.000000	.000000	.000000	.000000	.000000
1.00000	6795.958	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-6801.403	.000000	.000000	.000000	.000000	.000000
0.50000	-6798.681	.000000	.000000	.000000	.000000	.000000
1.00000	-6795.958	.000000	.000000	.000000	.000000	.000000

ELEM 535 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	6656.847	.000000	.000000	.000000	.000000	.000000
0.50000	6654.125	.000000	.000000	.000000	.000000	.000000
1.00000	6651.403	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-6656.847	.000000	.000000	.000000	.000000	.000000
0.50000	-6654.125	.000000	.000000	.000000	.000000	.000000
1.00000	-6651.403	.000000	.000000	.000000	.000000	.000000

```
ELEM     536 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6595.403     .000000     .000000     .000000     .000000     .000000
0.50000    6592.681     .000000     .000000     .000000     .000000     .000000
1.00000    6589.958     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6595.403     .000000     .000000     .000000     .000000     .000000
0.50000   -6592.681     .000000     .000000     .000000     .000000     .000000
1.00000   -6589.958     .000000     .000000     .000000     .000000     .000000

ELEM     537 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7382.847     .000000     .000000     .000000     .000000     .000000
0.50000    7380.125     .000000     .000000     .000000     .000000     .000000
1.00000    7377.403     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7382.847     .000000     .000000     .000000     .000000     .000000
0.50000   -7380.125     .000000     .000000     .000000     .000000     .000000
1.00000   -7377.403     .000000     .000000     .000000     .000000     .000000

ELEM     538 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7321.403     .000000     .000000     .000000     .000000     .000000
0.50000    7318.681     .000000     .000000     .000000     .000000     .000000
1.00000    7315.958     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7321.403     .000000     .000000     .000000     .000000     .000000
0.50000   -7318.681     .000000     .000000     .000000     .000000     .000000
1.00000   -7315.958     .000000     .000000     .000000     .000000     .000000

ELEM     539 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6656.847     .000000     .000000     .000000     .000000     .000000
0.50000    6654.125     .000000     .000000     .000000     .000000     .000000
1.00000    6651.403     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6656.847     .000000     .000000     .000000     .000000     .000000
0.50000   -6654.125     .000000     .000000     .000000     .000000     .000000
```

```
1.00000   -6651.403     .000000     .000000     .000000     .000000     .000000

ELEM     540 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6595.403     .000000     .000000     .000000     .000000     .000000
0.50000    6592.681     .000000     .000000     .000000     .000000     .000000
1.00000    6589.958     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6595.403     .000000     .000000     .000000     .000000     .000000
0.50000   -6592.681     .000000     .000000     .000000     .000000     .000000
1.00000   -6589.958     .000000     .000000     .000000     .000000     .000000

ELEM     541 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6862.847     .000000     .000000     .000000     .000000     .000000
0.50000    6860.125     .000000     .000000     .000000     .000000     .000000
1.00000    6857.403     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6862.847     .000000     .000000     .000000     .000000     .000000
0.50000   -6860.125     .000000     .000000     .000000     .000000     .000000
1.00000   -6857.403     .000000     .000000     .000000     .000000     .000000

ELEM     542 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6801.403     .000000     .000000     .000000     .000000     .000000
0.50000    6798.681     .000000     .000000     .000000     .000000     .000000
1.00000    6795.958     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6801.403     .000000     .000000     .000000     .000000     .000000
0.50000   -6798.681     .000000     .000000     .000000     .000000     .000000
1.00000   -6795.958     .000000     .000000     .000000     .000000     .000000

ELEM     543 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7269.847     .000000     .000000     .000000     .000000     .000000
0.50000    7267.125     .000000     .000000     .000000     .000000     .000000
1.00000    7264.403     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7269.847     .000000     .000000     .000000     .000000     .000000
```

```
0.50000   -7267.125     .000000     .000000     .000000     .000000     .000000
1.00000   -7264.403     .000000     .000000     .000000     .000000     .000000

ELEM     544 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7208.403     .000000     .000000     .000000     .000000     .000000
0.50000    7205.681     .000000     .000000     .000000     .000000     .000000
1.00000    7202.958     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7208.403     .000000     .000000     .000000     .000000     .000000
0.50000   -7205.681     .000000     .000000     .000000     .000000     .000000
1.00000   -7202.958     .000000     .000000     .000000     .000000     .000000

ELEM     545 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7269.847     .000000     .000000     .000000     .000000     .000000
0.50000    7267.125     .000000     .000000     .000000     .000000     .000000
1.00000    7264.403     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7269.847     .000000     .000000     .000000     .000000     .000000
0.50000   -7267.125     .000000     .000000     .000000     .000000     .000000
1.00000   -7264.403     .000000     .000000     .000000     .000000     .000000

ELEM     546 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7208.403     .000000     .000000     .000000     .000000     .000000
0.50000    7205.681     .000000     .000000     .000000     .000000     .000000
1.00000    7202.958     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7208.403     .000000     .000000     .000000     .000000     .000000
0.50000   -7205.681     .000000     .000000     .000000     .000000     .000000
1.00000   -7202.958     .000000     .000000     .000000     .000000     .000000

ELEM     547 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6862.847     .000000     .000000     .000000     .000000     .000000
0.50000    6860.125     .000000     .000000     .000000     .000000     .000000
1.00000    6857.403     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000   -6862.847     .000000     .000000     .000000     .000000     .000000
0.50000   -6860.125     .000000     .000000     .000000     .000000     .000000
1.00000   -6857.403     .000000     .000000     .000000     .000000     .000000

ELEM     548 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6801.403     .000000     .000000     .000000     .000000     .000000
0.50000    6798.681     .000000     .000000     .000000     .000000     .000000
1.00000    6795.958     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6801.403     .000000     .000000     .000000     .000000     .000000
0.50000   -6798.681     .000000     .000000     .000000     .000000     .000000
1.00000   -6795.958     .000000     .000000     .000000     .000000     .000000

ELEM     549 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6656.847     .000000     .000000     .000000     .000000     .000000
0.50000    6654.125     .000000     .000000     .000000     .000000     .000000
1.00000    6651.403     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6656.847     .000000     .000000     .000000     .000000     .000000
0.50000   -6654.125     .000000     .000000     .000000     .000000     .000000
1.00000   -6651.403     .000000     .000000     .000000     .000000     .000000

ELEM     550 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6595.403     .000000     .000000     .000000     .000000     .000000
0.50000    6592.681     .000000     .000000     .000000     .000000     .000000
1.00000    6589.958     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6595.403     .000000     .000000     .000000     .000000     .000000
0.50000   -6592.681     .000000     .000000     .000000     .000000     .000000
1.00000   -6589.958     .000000     .000000     .000000     .000000     .000000

ELEM     551 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7361.597     .000000     .000000     .000000     .000000     .000000
0.50000    7358.875     .000000     .000000     .000000     .000000     .000000
1.00000    7356.153     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7361.597	.000000	.000000	.000000	.000000	.000000
0.50000	-7358.875	.000000	.000000	.000000	.000000	.000000
1.00000	-7356.153	.000000	.000000	.000000	.000000	.000000

ELEM 552 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7300.153	.000000	.000000	.000000	.000000	.000000
0.50000	7297.431	.000000	.000000	.000000	.000000	.000000
1.00000	7294.708	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7300.153	.000000	.000000	.000000	.000000	.000000
0.50000	-7297.431	.000000	.000000	.000000	.000000	.000000
1.00000	-7294.708	.000000	.000000	.000000	.000000	.000000

```
                    S A P 2 0 0 0

                Structural Analysis Programs

                       Version 7.40

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                   results produced by this program

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                                      PROGRAM:SAP2000/FILE:\BentBSeismic.EKO


 S Y S T E M   D A T A


 STEADY STATE LOAD FREQUENCY  - - - - - - - -  0.0000E+00

 LENGTH UNITS - - - - - - - - - - - - - - - -          IN
 FORCE  UNITS - - - - - - - - - - - - - - - -          LB

 UP DIRECTION - - - - - - - - - - - - - - - -          +Z

 GLOBAL DEGREES OF FREEDOM  - - - - - - - - -          UX
                            - - - - - - - - -          UZ
                            - - - - - - - - -          RY

 PAGINATION BY  - - - - - - - - - - - - - - -    SECTIONS
 NUMBER OF LINES PER PAGE - - - - - - - - - -          59
 INCLUDE WARNING MESSAGES IN OUTPUT FILE  - -           Y
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G E N E R A T E D J O I N T C O O R D I N A T E S

JOINT	X	Y	Z
1	180.000	120.000	363.000
2	756.000	120.000	267.000
3	468.000	120.000	30.250
4	540.000	120.000	30.250
A2	72.000	120.000	0.000
A3	144.000	120.000	0.000
A4	216.000	120.000	0.000
A5	288.000	120.000	0.000
A6	360.000	120.000	0.000
A7	432.000	120.000	0.000
A8	504.000	120.000	0.000
A9	576.000	120.000	0.000
B2	72.000	120.000	60.500
B3	144.000	120.000	60.500
B4	216.000	120.000	60.500
B5	288.000	120.000	60.500
B6	360.000	120.000	60.500
B7	432.000	120.000	60.500
B8	504.000	120.000	60.500
B9	576.000	120.000	60.500
C2	72.000	120.000	122.500
C3	144.000	120.000	122.500
C4	216.000	120.000	122.500
C5	288.000	120.000	122.500
C6	360.000	120.000	122.500
C7	432.000	120.000	122.500
C8	504.000	120.000	122.500
C9	576.000	120.000	122.500
D1	0.000	120.000	144.000
E1	0.000	120.000	170.750
E2	72.000	120.000	170.750
E3	144.000	120.000	170.750
E4	216.000	120.000	170.750
E5	288.000	120.000	170.750
E6	360.000	120.000	170.750
E7	432.000	120.000	170.750
E8	504.000	120.000	170.750
E9	576.000	120.000	170.750
F1	0.000	120.000	219.000
F2	72.000	120.000	219.000
F3	144.000	120.000	219.000
F4	216.000	120.000	219.000
F5	288.000	120.000	219.000
F6	360.000	120.000	219.000
F7	432.000	120.000	219.000
F8	504.000	120.000	219.000
F9	576.000	120.000	219.000
G1	0.000	120.000	267.000
G2	72.000	120.000	267.000
G3	144.000	120.000	267.000
G4	216.000	120.000	267.000
G5	288.000	120.000	267.000
G6	360.000	120.000	267.000
G7	432.000	120.000	267.000
G8	504.000	120.000	267.000
G9	576.000	120.000	267.000

H1	0.000	120.000	315.000
H2	72.000	120.000	315.000
H3	144.000	120.000	315.000
H4	216.000	120.000	315.000
H5	288.000	120.000	315.000
H6	360.000	120.000	315.000
H7	432.000	120.000	315.000
H8	504.000	120.000	315.000
H9	576.000	120.000	315.000
I1	0.000	120.000	363.000
I2	72.000	120.000	363.000
I3	144.000	120.000	363.000
I4	216.000	120.000	363.000
I5	288.000	120.000	363.000
I6	360.000	120.000	363.000
I7	432.000	120.000	363.000
I8	504.000	120.000	363.000
I9	576.000	120.000	363.000
J1	0.000	120.000	411.000
J2	72.000	120.000	411.000
J3	144.000	120.000	411.000
J4	216.000	120.000	411.000
J5	288.000	120.000	411.000
J6	360.000	120.000	411.000
J7	432.000	120.000	411.000
J8	504.000	120.000	411.000
J9	576.000	120.000	411.000
K1	0.000	120.000	459.000
K2	72.000	120.000	459.000
K3	144.000	120.000	459.000
K4	216.000	120.000	459.000
K5	288.000	120.000	459.000
K6	360.000	120.000	459.000
K7	432.000	120.000	459.000
K8	504.000	120.000	459.000
K9	576.000	120.000	459.000
L1	0.000	120.000	507.000
L2	72.000	120.000	507.000
L3	144.000	120.000	507.000
L4	216.000	120.000	507.000
L5	288.000	120.000	507.000
L6	360.000	120.000	507.000
L7	432.000	120.000	507.000
L8	504.000	120.000	507.000
L9	576.000	120.000	507.000
M1	0.000	120.000	555.000
M2	72.000	120.000	555.000
M3	144.000	120.000	555.000
M4	216.000	120.000	555.000
M5	288.000	120.000	555.000
M6	360.000	120.000	555.000
M7	432.000	120.000	555.000
M8	504.000	120.000	555.000
M9	576.000	120.000	555.000
N1	0.000	120.000	570.000
N2	72.000	120.000	570.000
N3	144.000	120.000	570.000
N4	216.000	120.000	570.000
N5	288.000	120.000	570.000
N6	360.000	120.000	570.000
N7	432.000	120.000	570.000
N8	504.000	120.000	570.000
N9	576.000	120.000	570.000

O1	0.000	120.000	633.000
O7	432.000	120.000	633.000
P1	0.000	120.000	654.000
P2	72.000	120.000	654.000
P3	144.000	120.000	654.000
P4	216.000	120.000	654.000
P5	288.000	120.000	654.000
P6	360.000	120.000	654.000
P7	432.000	120.000	654.000
P8	504.000	120.000	654.000
P9	576.000	120.000	654.000
A10	648.000	120.000	0.000
A11	720.000	120.000	0.000
A12	792.000	120.000	0.000
A13	864.000	120.000	0.000
A14	936.000	120.000	0.000
A15	1008.000	120.000	0.000
B10	648.000	120.000	60.500
B11	720.000	120.000	60.500
B12	792.000	120.000	60.500
B13	864.000	120.000	60.500
B14	936.000	120.000	60.500
B15	1008.000	120.000	60.500
C10	648.000	120.000	122.500
C11	720.000	120.000	122.500
C12	792.000	120.000	122.500
C13	864.000	120.000	122.500
C14	936.000	120.000	122.500
C15	1008.000	120.000	122.500
DE1	0.000	120.000	531.000
DE2	72.000	120.000	531.000
DE3	144.000	120.000	531.000
DE4	216.000	120.000	531.000
DE5	288.000	120.000	531.000
DE6	360.000	120.000	531.000
DE7	432.000	120.000	531.000
DE8	504.000	120.000	531.000
DE9	576.000	120.000	531.000
E10	648.000	120.000	170.750
E11	720.000	120.000	170.750
E12	792.000	120.000	170.750
E13	864.000	120.000	170.750
E14	936.000	120.000	170.750
E15	1008.000	120.000	170.750
F10	648.000	120.000	219.000
F11	720.000	120.000	219.000
F12	792.000	120.000	219.000
F13	864.000	120.000	219.000
F14	936.000	120.000	219.000
F15	1008.000	120.000	219.000
G10	648.000	120.000	267.000
G11	720.000	120.000	267.000
G12	792.000	120.000	267.000
G13	864.000	120.000	267.000
G14	936.000	120.000	267.000
G15	1008.000	120.000	267.000
H10	648.000	120.000	315.000
H11	720.000	120.000	315.000
H12	792.000	120.000	315.000
H13	864.000	120.000	315.000
H14	936.000	120.000	315.000
H15	1008.000	120.000	315.000
I10	648.000	120.000	363.000

I11	720.000	120.000	363.000
I12	792.000	120.000	363.000
I13	864.000	120.000	363.000
I14	936.000	120.000	363.000
I15	1008.000	120.000	363.000
J10	648.000	120.000	411.000
J11	720.000	120.000	411.000
J12	792.000	120.000	411.000
J13	864.000	120.000	411.000
J14	936.000	120.000	411.000
J15	1008.000	120.000	411.000
K10	648.000	120.000	459.000
K11	720.000	120.000	459.000
K12	792.000	120.000	459.000
K13	864.000	120.000	459.000
K14	936.000	120.000	459.000
K15	1008.000	120.000	459.000
L10	648.000	120.000	507.000
L11	720.000	120.000	507.000
L12	792.000	120.000	507.000
L13	864.000	120.000	507.000
L14	936.000	120.000	507.000
L15	1008.000	120.000	507.000
M10	648.000	120.000	555.000
M11	720.000	120.000	555.000
M12	792.000	120.000	555.000
M13	864.000	120.000	555.000
M14	936.000	120.000	555.000
M15	1008.000	120.000	555.000
N10	648.000	120.000	570.000
N11	720.000	120.000	570.000
N12	792.000	120.000	570.000
N13	864.000	120.000	570.000
N14	936.000	120.000	570.000
N15	1008.000	120.000	570.000
O15	1008.000	120.000	633.000
P10	648.000	120.000	654.000
P11	720.000	120.000	654.000
P12	792.000	120.000	654.000
P13	864.000	120.000	654.000
P14	936.000	120.000	654.000
P15	1008.000	120.000	654.000
DE10	648.000	120.000	531.000
DE11	720.000	120.000	531.000
DE12	792.000	120.000	531.000
DE13	864.000	120.000	531.000
DE14	936.000	120.000	531.000
DE15	1008.000	120.000	531.000
1FIL1	0.000	120.000	162.250
1FIL2	72.000	120.000	162.250
1FIL3	144.000	120.000	162.250
1FIL4	216.000	120.000	162.250
1FIL5	288.000	120.000	162.250
1FIL6	360.000	120.000	162.250
1FIL7	432.000	120.000	162.250
1FIL8	504.000	120.000	162.250
1FIL9	576.000	120.000	162.250
2FIL1	0.000	120.000	243.000
2FIL2	72.000	120.000	243.000
2FIL3	144.000	120.000	243.000
2FIL4	216.000	120.000	243.000
2FIL5	288.000	120.000	243.000
2FIL6	360.000	120.000	243.000

2FIL7	432.000	120.000	243.000
2FIL8	504.000	120.000	243.000
2FIL9	576.000	120.000	243.000
3FIL1	0.000	120.000	339.000
3FIL2	72.000	120.000	339.000
3FIL3	144.000	120.000	339.000
3FIL4	216.000	120.000	339.000
3FIL5	288.000	120.000	339.000
3FIL6	360.000	120.000	339.000
3FIL7	432.000	120.000	339.000
3FIL8	504.000	120.000	339.000
3FIL9	576.000	120.000	339.000
4FIL1	0.000	120.000	435.000
4FIL2	72.000	120.000	435.000
4FIL3	144.000	120.000	435.000
4FIL4	216.000	120.000	435.000
4FIL5	288.000	120.000	435.000
4FIL6	360.000	120.000	435.000
4FIL7	432.000	120.000	435.000
4FIL8	504.000	120.000	435.000
4FIL9	576.000	120.000	435.000
5FIL1	0.000	120.000	564.437
5FIL2	72.000	120.000	564.437
5FIL3	144.000	120.000	564.437
5FIL4	216.000	120.000	564.437
5FIL5	288.000	120.000	564.437
5FIL6	360.000	120.000	564.437
5FIL7	432.000	120.000	564.437
5FIL8	504.000	120.000	564.437
5FIL9	576.000	120.000	564.437
1FIL10	648.000	120.000	162.250
1FIL11	720.000	120.000	162.250
1FIL12	792.000	120.000	162.250
1FIL13	864.000	120.000	162.250
1FIL14	936.000	120.000	162.250
1FIL15	1008.000	120.000	162.250
2FIL10	648.000	120.000	243.000
2FIL11	720.000	120.000	243.000
2FIL12	792.000	120.000	243.000
2FIL13	864.000	120.000	243.000
2FIL14	936.000	120.000	243.000
2FIL15	1008.000	120.000	243.000
3FIL10	648.000	120.000	339.000
3FIL11	720.000	120.000	339.000
3FIL12	792.000	120.000	339.000
3FIL13	864.000	120.000	339.000
3FIL14	936.000	120.000	339.000
3FIL15	1008.000	120.000	339.000
4FIL10	648.000	120.000	435.000
4FIL11	720.000	120.000	435.000
4FIL12	792.000	120.000	435.000
4FIL13	864.000	120.000	435.000
4FIL14	936.000	120.000	435.000
4FIL15	1008.000	120.000	435.000
5FIL10	648.000	120.000	564.437
5FIL11	720.000	120.000	564.437
5FIL12	792.000	120.000	564.437
5FIL13	864.000	120.000	564.437
5FIL14	936.000	120.000	564.437
5FIL15	1008.000	120.000	564.437

PROGRAM:SAP2000/FILE:\BentBSeismic.EKO

P A T T E R N S

PATTERN JOINT VALUE
DEFAULT

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 4
PROGRAM:SAP2000/FILE:\BentBSeismic.EKO

R E S T R A I N T D A T A

JOINT			
A2	U1	U2	U3
A3	U1	U2	U3
A4	U1	U2	U3
A5	U1	U2	U3
A6	U1	U2	U3
A7	U1	U2	U3
A8	U1	U2	U3
A9	U1	U2	U3
D1	U1	U2	U3
A10	U1	U2	U3
A11	U1	U2	U3
A12	U1	U2	U3
A13	U1	U2	U3
A14	U1	U2	U3
A15	U1	U2	U3

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 5
PROGRAM:SAP2000/FILE:\BentBSeismic.EKO

C O N S T R A I N T D A T A

CONSTR	TYPE	CSYS	AXIS	DEGREES OF FREEDOM
NM1	EQUAL	0		UX
NM2	EQUAL	0		UX
NM3	EQUAL	0		UX
NM4	EQUAL	0		UX
NM5	EQUAL	0		UX
NM6	EQUAL	0		UX
NM7	EQUAL	0		UX
NM8	EQUAL	0		UX
NM9	EQUAL	0		UX
PO1	EQUAL	0		UX
PO7	EQUAL	0		UX
NM10	EQUAL	0		UX
NM11	EQUAL	0		UX
NM12	EQUAL	0		UX
NM13	EQUAL	0		UX
NM14	EQUAL	0		UX
NM15	EQUAL	0		UX
PO15	EQUAL	0		UX

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 6
PROGRAM:SAP2000/FILE:\BentBSeismic.EKO

C O N S T R A I N T D A T A

```
 CONSTR
        JOINTS
    NM1
             M1      N1   5FIL1
    NM2
             M2      N2   5FIL2
    NM3
             M3      N3   5FIL3
    NM4
             M4      N4   5FIL4
    NM5
             M5      N5   5FIL5
    NM6
             M6      N6   5FIL6
    NM7
             M7      N7   5FIL7
    NM8
             M8      N8   5FIL8
    NM9
             M9      N9   5FIL9
    PO1
             O1      P1
    PO7
             O7      P7
   NM10
            M10     N10  5FIL10
   NM11
            M11     N11  5FIL11
   NM12
            M12     N12  5FIL12
   NM13
            M13     N13  5FIL13
   NM14
            M14     N14  5FIL14
   NM15
            M15     N15  5FIL15
   PO15
            O15     P15
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C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 7
PROGRAM:SAP2000/FILE:\BentBSeismic.EKO

J O I N T M A S S E S

JOINT	U1	U2	U3	R1	R2	R3
D1	0.865E-01	0.865E-01	0.865E-01	0.000E+00	0.000E+00	0.000E+00
E1	0.243E+00	0.243E+00	0.243E+00	0.000E+00	0.000E+00	0.000E+00
E8	0.573E+00	0.573E+00	0.573E+00	0.000E+00	0.000E+00	0.000E+00
F1	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
F8	0.735E+00	0.735E+00	0.735E+00	0.000E+00	0.000E+00	0.000E+00
G1	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
G8	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
H1	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
H8	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
I1	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
I8	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
J1	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00

J8	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
K1	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
K8	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
L1	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
L8	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
M1	0.204E+00	0.204E+00	0.204E+00	0.000E+00	0.000E+00	0.000E+00
M8	0.481E+00	0.481E+00	0.481E+00	0.000E+00	0.000E+00	0.000E+00
N1	0.629E+01	0.629E+01	0.629E+01	0.000E+00	0.000E+00	0.000E+00
N2	0.119E+02	0.119E+02	0.119E+02	0.000E+00	0.000E+00	0.000E+00
N3	0.119E+02	0.119E+02	0.119E+02	0.000E+00	0.000E+00	0.000E+00
N4	0.119E+02	0.119E+02	0.119E+02	0.000E+00	0.000E+00	0.000E+00
N5	0.119E+02	0.119E+02	0.119E+02	0.000E+00	0.000E+00	0.000E+00
N6	0.119E+02	0.119E+02	0.119E+02	0.000E+00	0.000E+00	0.000E+00
N7	0.119E+02	0.119E+02	0.119E+02	0.000E+00	0.000E+00	0.000E+00
N8	0.127E+02	0.127E+02	0.127E+02	0.000E+00	0.000E+00	0.000E+00
N9	0.119E+02	0.119E+02	0.119E+02	0.000E+00	0.000E+00	0.000E+00
P1	0.253E+01	0.253E+01	0.253E+01	0.000E+00	0.000E+00	0.000E+00
P2	0.452E+01	0.452E+01	0.452E+01	0.000E+00	0.000E+00	0.000E+00
P3	0.506E+01	0.506E+01	0.506E+01	0.000E+00	0.000E+00	0.000E+00
P4	0.611E+01	0.611E+01	0.611E+01	0.000E+00	0.000E+00	0.000E+00
P5	0.611E+01	0.611E+01	0.611E+01	0.000E+00	0.000E+00	0.000E+00
P6	0.506E+01	0.506E+01	0.506E+01	0.000E+00	0.000E+00	0.000E+00
P7	0.452E+01	0.452E+01	0.452E+01	0.000E+00	0.000E+00	0.000E+00
P8	0.516E+01	0.516E+01	0.516E+01	0.000E+00	0.000E+00	0.000E+00
P9	0.452E+01	0.452E+01	0.452E+01	0.000E+00	0.000E+00	0.000E+00
DE1	0.721E-01	0.721E-01	0.721E-01	0.000E+00	0.000E+00	0.000E+00
DE2	0.144E+00	0.144E+00	0.144E+00	0.000E+00	0.000E+00	0.000E+00
DE3	0.972E+00	0.972E+00	0.972E+00	0.000E+00	0.000E+00	0.000E+00
DE4	0.558E+00	0.558E+00	0.558E+00	0.000E+00	0.000E+00	0.000E+00
DE5	0.144E+00	0.144E+00	0.144E+00	0.000E+00	0.000E+00	0.000E+00
DE6	0.144E+00	0.144E+00	0.144E+00	0.000E+00	0.000E+00	0.000E+00
DE7	0.144E+00	0.144E+00	0.144E+00	0.000E+00	0.000E+00	0.000E+00
DE8	0.144E+00	0.144E+00	0.144E+00	0.000E+00	0.000E+00	0.000E+00
DE9	0.144E+00	0.144E+00	0.144E+00	0.000E+00	0.000E+00	0.000E+00
E15	0.573E+00	0.573E+00	0.573E+00	0.000E+00	0.000E+00	0.000E+00
F15	0.735E+00	0.735E+00	0.735E+00	0.000E+00	0.000E+00	0.000E+00
G15	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
H15	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
I15	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
J15	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
K15	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
L15	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
M15	0.481E+00	0.481E+00	0.481E+00	0.000E+00	0.000E+00	0.000E+00
N10	0.119E+02	0.119E+02	0.119E+02	0.000E+00	0.000E+00	0.000E+00
N11	0.119E+02	0.119E+02	0.119E+02	0.000E+00	0.000E+00	0.000E+00
N12	0.119E+02	0.119E+02	0.119E+02	0.000E+00	0.000E+00	0.000E+00
N13	0.119E+02	0.119E+02	0.119E+02	0.000E+00	0.000E+00	0.000E+00
N14	0.119E+02	0.119E+02	0.119E+02	0.000E+00	0.000E+00	0.000E+00
N15	0.127E+02	0.127E+02	0.127E+02	0.000E+00	0.000E+00	0.000E+00
P10	0.506E+01	0.506E+01	0.506E+01	0.000E+00	0.000E+00	0.000E+00
P11	0.611E+01	0.611E+01	0.611E+01	0.000E+00	0.000E+00	0.000E+00
P12	0.611E+01	0.611E+01	0.611E+01	0.000E+00	0.000E+00	0.000E+00
P13	0.506E+01	0.506E+01	0.506E+01	0.000E+00	0.000E+00	0.000E+00
P14	0.452E+01	0.452E+01	0.452E+01	0.000E+00	0.000E+00	0.000E+00
P15	0.516E+01	0.516E+01	0.516E+01	0.000E+00	0.000E+00	0.000E+00
DE10	0.144E+00	0.144E+00	0.144E+00	0.000E+00	0.000E+00	0.000E+00
DE11	0.144E+00	0.144E+00	0.144E+00	0.000E+00	0.000E+00	0.000E+00
DE12	0.144E+00	0.144E+00	0.144E+00	0.000E+00	0.000E+00	0.000E+00
DE13	0.144E+00	0.144E+00	0.144E+00	0.000E+00	0.000E+00	0.000E+00
DE14	0.144E+00	0.144E+00	0.144E+00	0.000E+00	0.000E+00	0.000E+00
DE15	0.144E+00	0.144E+00	0.144E+00	0.000E+00	0.000E+00	0.000E+00
1FIL1	0.334E+00	0.334E+00	0.334E+00	0.000E+00	0.000E+00	0.000E+00
1FIL2	0.667E+00	0.667E+00	0.667E+00	0.000E+00	0.000E+00	0.000E+00

1FIL3	0.667E+00	0.667E+00	0.667E+00	0.000E+00	0.000E+00	0.000E+00
1FIL4	0.667E+00	0.667E+00	0.667E+00	0.000E+00	0.000E+00	0.000E+00
1FIL5	0.667E+00	0.667E+00	0.667E+00	0.000E+00	0.000E+00	0.000E+00
1FIL6	0.667E+00	0.667E+00	0.667E+00	0.000E+00	0.000E+00	0.000E+00
1FIL7	0.667E+00	0.667E+00	0.667E+00	0.000E+00	0.000E+00	0.000E+00
1FIL8	0.667E+00	0.667E+00	0.667E+00	0.000E+00	0.000E+00	0.000E+00
1FIL9	0.667E+00	0.667E+00	0.667E+00	0.000E+00	0.000E+00	0.000E+00
2FIL1	0.762E+00	0.762E+00	0.762E+00	0.000E+00	0.000E+00	0.000E+00
2FIL2	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
2FIL3	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
2FIL4	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
2FIL5	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
2FIL6	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
2FIL7	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
2FIL8	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
2FIL9	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
3FIL1	0.773E+00	0.773E+00	0.773E+00	0.000E+00	0.000E+00	0.000E+00
3FIL2	0.155E+01	0.155E+01	0.155E+01	0.000E+00	0.000E+00	0.000E+00
3FIL3	0.155E+01	0.155E+01	0.155E+01	0.000E+00	0.000E+00	0.000E+00
3FIL4	0.155E+01	0.155E+01	0.155E+01	0.000E+00	0.000E+00	0.000E+00
3FIL5	0.155E+01	0.155E+01	0.155E+01	0.000E+00	0.000E+00	0.000E+00
3FIL6	0.155E+01	0.155E+01	0.155E+01	0.000E+00	0.000E+00	0.000E+00
3FIL7	0.155E+01	0.155E+01	0.155E+01	0.000E+00	0.000E+00	0.000E+00
3FIL8	0.155E+01	0.155E+01	0.155E+01	0.000E+00	0.000E+00	0.000E+00
3FIL9	0.155E+01	0.155E+01	0.155E+01	0.000E+00	0.000E+00	0.000E+00
4FIL1	0.805E+00	0.805E+00	0.805E+00	0.000E+00	0.000E+00	0.000E+00
4FIL2	0.161E+01	0.161E+01	0.161E+01	0.000E+00	0.000E+00	0.000E+00
4FIL3	0.161E+01	0.161E+01	0.161E+01	0.000E+00	0.000E+00	0.000E+00
4FIL4	0.161E+01	0.161E+01	0.161E+01	0.000E+00	0.000E+00	0.000E+00
4FIL5	0.161E+01	0.161E+01	0.161E+01	0.000E+00	0.000E+00	0.000E+00
4FIL6	0.161E+01	0.161E+01	0.161E+01	0.000E+00	0.000E+00	0.000E+00
4FIL7	0.161E+01	0.161E+01	0.161E+01	0.000E+00	0.000E+00	0.000E+00
4FIL8	0.161E+01	0.161E+01	0.161E+01	0.000E+00	0.000E+00	0.000E+00
4FIL9	0.161E+01	0.161E+01	0.161E+01	0.000E+00	0.000E+00	0.000E+00
5FIL1	0.209E+00	0.209E+00	0.209E+00	0.000E+00	0.000E+00	0.000E+00
5FIL2	0.418E+00	0.418E+00	0.418E+00	0.000E+00	0.000E+00	0.000E+00
5FIL3	0.418E+00	0.418E+00	0.418E+00	0.000E+00	0.000E+00	0.000E+00
5FIL4	0.418E+00	0.418E+00	0.418E+00	0.000E+00	0.000E+00	0.000E+00
5FIL5	0.418E+00	0.418E+00	0.418E+00	0.000E+00	0.000E+00	0.000E+00
5FIL6	0.418E+00	0.418E+00	0.418E+00	0.000E+00	0.000E+00	0.000E+00
5FIL7	0.418E+00	0.418E+00	0.418E+00	0.000E+00	0.000E+00	0.000E+00
5FIL8	0.418E+00	0.418E+00	0.418E+00	0.000E+00	0.000E+00	0.000E+00
5FIL9	0.418E+00	0.418E+00	0.418E+00	0.000E+00	0.000E+00	0.000E+00
1FIL10	0.667E+00	0.667E+00	0.667E+00	0.000E+00	0.000E+00	0.000E+00
1FIL11	0.667E+00	0.667E+00	0.667E+00	0.000E+00	0.000E+00	0.000E+00
1FIL12	0.667E+00	0.667E+00	0.667E+00	0.000E+00	0.000E+00	0.000E+00
1FIL13	0.667E+00	0.667E+00	0.667E+00	0.000E+00	0.000E+00	0.000E+00
1FIL14	0.667E+00	0.667E+00	0.667E+00	0.000E+00	0.000E+00	0.000E+00
1FIL15	0.667E+00	0.667E+00	0.667E+00	0.000E+00	0.000E+00	0.000E+00
2FIL10	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
2FIL11	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
2FIL12	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
2FIL13	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
2FIL14	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
2FIL15	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
3FIL10	0.155E+01	0.155E+01	0.155E+01	0.000E+00	0.000E+00	0.000E+00
3FIL11	0.155E+01	0.155E+01	0.155E+01	0.000E+00	0.000E+00	0.000E+00
3FIL12	0.155E+01	0.155E+01	0.155E+01	0.000E+00	0.000E+00	0.000E+00
3FIL13	0.155E+01	0.155E+01	0.155E+01	0.000E+00	0.000E+00	0.000E+00
3FIL14	0.155E+01	0.155E+01	0.155E+01	0.000E+00	0.000E+00	0.000E+00
3FIL15	0.155E+01	0.155E+01	0.155E+01	0.000E+00	0.000E+00	0.000E+00
4FIL10	0.161E+01	0.161E+01	0.161E+01	0.000E+00	0.000E+00	0.000E+00
4FIL11	0.161E+01	0.161E+01	0.161E+01	0.000E+00	0.000E+00	0.000E+00

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  4FIL12  0.161E+01  0.161E+01  0.161E+01  0.000E+00  0.000E+00  0.000E+00
  4FIL13  0.161E+01  0.161E+01  0.161E+01  0.000E+00  0.000E+00  0.000E+00
  4FIL14  0.161E+01  0.161E+01  0.161E+01  0.000E+00  0.000E+00  0.000E+00
  4FIL15  0.161E+01  0.161E+01  0.161E+01  0.000E+00  0.000E+00  0.000E+00
  5FIL10  0.418E+00  0.418E+00  0.418E+00  0.000E+00  0.000E+00  0.000E+00
  5FIL11  0.418E+00  0.418E+00  0.418E+00  0.000E+00  0.000E+00  0.000E+00
  5FIL12  0.418E+00  0.418E+00  0.418E+00  0.000E+00  0.000E+00  0.000E+00
  5FIL13  0.418E+00  0.418E+00  0.418E+00  0.000E+00  0.000E+00  0.000E+00
  5FIL14  0.418E+00  0.418E+00  0.418E+00  0.000E+00  0.000E+00  0.000E+00
  5FIL15  0.418E+00  0.418E+00  0.418E+00  0.000E+00  0.000E+00  0.000E+00


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 J O I N T   S P R I N G S

   JOINT
       1             U1         U2         U3         R1         R2         R3
         R2                                                  0.100E+01  0.000E+00

   JOINT
       2             U1         U2         U3         R1         R2         R3
         R2                                                  0.100E+01  0.000E+00

   JOINT
       3             U1         U2         U3         R1         R2         R3
         R2                                                  0.100E+01  0.000E+00

   JOINT
       4             U1         U2         U3         R1         R2         R3
         R2                                                  0.100E+01  0.000E+00


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 M A T E R I A L   P R O P E R T Y   D A T A

     MAT    NUMBER     WEIGHT PER       MASS PER    DESIGN
   LABEL     TEMPS       UNIT VOL       UNIT VOL      CODE

   STEEL         1     0.2830E+00     0.7324E-03         S
    CONC         1     0.8680E-01     0.2246E-03         C
   OTHER         1     0.8680E-01     0.2246E-03         N
    WOOD         1     0.1852E-01     0.4793E-04         N


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 T E M P E R A T U R E   D E P E N D E N T   D A T A

 MATERIAL PROPERTIES

     MAT      TEMP         MODULUS OF ELASTICITY          SHEAR MODULII
   LABEL                  E1        E2        E3       G12       G13       G23

   STEEL      0.00 0.290E+08 0.290E+08 0.290E+08 0.112E+08 0.112E+08 0.112E+08
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CONC	0.00	0.360E+07	0.360E+07	0.360E+07	0.150E+07	0.150E+07	0.150E+07
OTHER	0.00	0.360E+07	0.360E+07	0.360E+07	0.150E+07	0.150E+07	0.150E+07
WOOD	0.00	0.140E+07	0.140E+07	0.140E+07	0.538E+06	0.538E+06	0.538E+06

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T E M P E R A T U R E D E P E N D E N T D A T A

THERMAL EXPANSION COEFFICIENTS

MAT LABEL	TEMP	COEFFICIENTS OF THERMAL EXPANSION A1	A2	A3	A12	A13	A23
STEEL	0.00	0.650E-05	0.650E-05	0.650E-05	0.000E+00	0.000E+00	0.000E+00
CONC	0.00	0.550E-05	0.550E-05	0.550E-05	0.000E+00	0.000E+00	0.000E+00
OTHER	0.00	0.550E-05	0.550E-05	0.550E-05	0.000E+00	0.000E+00	0.000E+00
WOOD	0.00	0.650E-05	0.650E-05	0.650E-05	0.000E+00	0.000E+00	0.000E+00

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T E M P E R A T U R E D E P E N D E N T D A T A

MATERIAL PROPERTIES

MAT LABEL	TEMP	POISSONS RATIO U12	U13	U23	U14	U24	U34	U15	U25	U35	U45	U16	U26	U36	U46	U56
STEEL	0.00	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CONC	0.00	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER	0.00	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WOOD	0.00	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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MATERIAL PROPERTIES

MAT LABEL	TEMP	YIELD FY
CONC	0.00	36.00

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	SHAPE TYPE	DEPTH	FLANGE WIDTH TOP	FLANGE THICK TOP	WEB THICK	FLANGE WIDTH BOTTOM	FLANGE THICK BOTTOM
4X4	R	3.500	3.500				
2X2X4	R	3.500	3.000				
2X8	R	7.250	1.500				
2X2X8	R	7.250	3.000				

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	AXIAL AREA	TORSIONAL CONSTANT	MOMENTS OF INERTIA I33	I22	SHEAR AREAS A2	A3
4X4	0.123E+02	0.211E+02	0.125E+02	0.125E+02	0.102E+02	0.102E+02
2X2X4	0.105E+02	0.153E+02	0.107E+02	0.788E+01	0.875E+01	0.875E+01
2X8	0.109E+02	0.709E+01	0.476E+02	0.204E+01	0.906E+01	0.906E+01
2X2X8	0.218E+02	0.483E+02	0.953E+02	0.163E+02	0.181E+02	0.181E+02

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	MAT LABEL	ADDITIONAL MASS PER LENGTH	ADDITIONAL WEIGHT PER LENGTH
4X4	WOOD	0.000E+00	0.000E+00
2X2X4	WOOD	0.000E+00	0.000E+00
2X8	WOOD	0.000E+00	0.000E+00
2X2X8	WOOD	0.000E+00	0.000E+00

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F R A M E E L E M E N T D A T A

ELEMENT LABEL	JOINT END-I	JOINT END-J	ELEMENT LENGTH	END-OFFSET-LENGTHS END-I	END-J	RIGID-END FACTOR	NUMBER OF SEGMENTS
1	D1	1FIL1	18.250	0.000	0.000	0.0000	2
2	1FIL1	E1	8.500	0.000	0.000	0.0000	2
3	E1	F1	48.250	0.000	0.000	0.0000	2
4	F1	2FIL1	24.000	0.000	0.000	0.0000	2
5	2FIL1	G1	24.000	0.000	0.000	0.0000	2
6	G1	H1	48.000	0.000	0.000	0.0000	2
7	H1	3FIL1	24.000	0.000	0.000	0.0000	2
8	3FIL1	I1	24.000	0.000	0.000	0.0000	2
9	I1	J1	48.000	0.000	0.000	0.0000	2
10	J1	4FIL1	24.000	0.000	0.000	0.0000	2
11	4FIL1	K1	24.000	0.000	0.000	0.0000	2

12	K1	L1	48.000	0.000	0.000	0.0000	2
14	M1	5FIL1	9.437	0.000	0.000	0.0000	2
15	5FIL1	N1	5.563	0.000	0.000	0.0000	2
16	N1	O1	63.000	0.000	0.000	0.0000	2
17	O1	P1	21.000	0.000	0.000	0.0000	2
18	E1	E2	72.000	0.000	0.000	0.0000	4
19	E1	E2	72.000	0.000	0.000	0.0000	4
20	D1	F2	103.966	0.000	0.000	0.0000	2
21	F1	F2	72.000	0.000	0.000	0.0000	4
22	G1	G2	72.000	0.000	0.000	0.0000	4
23	H1	H2	72.000	0.000	0.000	0.0000	4
24	I1	I2	72.000	0.000	0.000	0.0000	4
25	J1	J2	72.000	0.000	0.000	0.0000	4
26	K1	K2	72.000	0.000	0.000	0.0000	4
27	L1	L2	72.000	0.000	0.000	0.0000	4
28	M1	L2	86.533	0.000	0.000	0.0000	2
29	M1	M2	72.000	0.000	0.000	0.0000	4
30	N1	N2	72.000	0.000	0.000	0.0000	4
31	O1	N2	95.671	0.000	0.000	0.0000	2
32	P1	P2	72.000	0.000	0.000	0.0000	4
33	A2	B2	60.500	0.000	0.000	0.0000	2
34	B2	C2	62.000	0.000	0.000	0.0000	2
35	C2	1FIL2	39.750	0.000	0.000	0.0000	2
36	1FIL2	E2	8.500	0.000	0.000	0.0000	2
37	E2	F2	48.250	0.000	0.000	0.0000	2
38	F2	2FIL2	24.000	0.000	0.000	0.0000	2
39	2FIL2	G2	24.000	0.000	0.000	0.0000	2
40	G2	H2	48.000	0.000	0.000	0.0000	2
41	H2	3FIL2	24.000	0.000	0.000	0.0000	2
42	3FIL2	I2	24.000	0.000	0.000	0.0000	2
43	I2	J2	48.000	0.000	0.000	0.0000	2
44	J2	4FIL2	24.000	0.000	0.000	0.0000	2
45	4FIL2	K2	24.000	0.000	0.000	0.0000	2
46	K2	L2	48.000	0.000	0.000	0.0000	2
48	M2	5FIL2	9.437	0.000	0.000	0.0000	2
49	5FIL2	N2	5.563	0.000	0.000	0.0000	2
50	N2	P2	84.000	0.000	0.000	0.0000	2
51	B2	B3	72.000	0.000	0.000	0.0000	4
52	C2	C3	72.000	0.000	0.000	0.0000	4
53	E2	E3	72.000	0.000	0.000	0.0000	4
54	F2	F3	72.000	0.000	0.000	0.0000	4
55	G2	F3	86.533	0.000	0.000	0.0000	2
56	G2	G3	72.000	0.000	0.000	0.0000	4
57	F2	H3	120.000	0.000	0.000	0.0000	2
58	G2	G3	72.000	0.000	0.000	0.0000	4
59	H2	H3	72.000	0.000	0.000	0.0000	4
60	H2	I3	86.533	0.000	0.000	0.0000	2
61	I2	I3	72.000	0.000	0.000	0.0000	4
62	J2	J3	72.000	0.000	0.000	0.0000	4
63	J2	K3	86.533	0.000	0.000	0.0000	2
64	K2	K3	72.000	0.000	0.000	0.0000	4
65	L2	J3	120.000	0.000	0.000	0.0000	2
66	L2	L3	72.000	0.000	0.000	0.0000	4
67	L3	M2	86.533	0.000	0.000	0.0000	2
68	M2	M3	72.000	0.000	0.000	0.0000	4
69	N2	N3	72.000	0.000	0.000	0.0000	4
70	P2	P3	72.000	0.000	0.000	0.0000	4
71	A3	B3	60.500	0.000	0.000	0.0000	2
72	B3	C3	62.000	0.000	0.000	0.0000	2
73	C3	1FIL3	39.750	0.000	0.000	0.0000	2
74	1FIL3	E3	8.500	0.000	0.000	0.0000	2
75	E3	F3	48.250	0.000	0.000	0.0000	2
76	F3	2FIL3	24.000	0.000	0.000	0.0000	2

77	2FIL3	G3	24.000	0.000	0.000	0.0000	2
78	G3	H3	48.000	0.000	0.000	0.0000	2
79	H3	3FIL3	24.000	0.000	0.000	0.0000	2
80	3FIL3	I3	24.000	0.000	0.000	0.0000	2
81	I3	J3	48.000	0.000	0.000	0.0000	2
82	J3	4FIL3	24.000	0.000	0.000	0.0000	2
83	4FIL3	K3	24.000	0.000	0.000	0.0000	2
84	K3	L3	48.000	0.000	0.000	0.0000	2
86	M3	5FIL3	9.437	0.000	0.000	0.0000	2
87	5FIL3	N3	5.563	0.000	0.000	0.0000	2
88	N3	P3	84.000	0.000	0.000	0.0000	2
89	H3	1	60.000	0.000	0.000	0.0000	2
90	I3	1	36.000	0.000	0.000	0.0000	4
91	I3	1	36.000	0.000	0.000	0.0000	4
92	J3	1	60.000	0.000	0.000	0.0000	2
93	B3	B4	72.000	0.000	0.000	0.0000	4
94	C3	C4	72.000	0.000	0.000	0.0000	4
95	E3	E4	72.000	0.000	0.000	0.0000	4
96	F3	F4	72.000	0.000	0.000	0.0000	4
97	G3	G4	72.000	0.000	0.000	0.0000	4
98	H3	H4	72.000	0.000	0.000	0.0000	4
99	J3	J4	72.000	0.000	0.000	0.0000	4
100	K3	K4	72.000	0.000	0.000	0.0000	4
101	J4	L3	120.000	0.000	0.000	0.0000	2
102	L3	L4	72.000	0.000	0.000	0.0000	4
103	M3	M4	72.000	0.000	0.000	0.0000	4
104	N3	N4	72.000	0.000	0.000	0.0000	4
105	P3	P4	72.000	0.000	0.000	0.0000	4
106	1	H4	60.000	0.000	0.000	0.0000	2
107	1	I4	36.000	0.000	0.000	0.0000	4
108	1	I4	36.000	0.000	0.000	0.0000	4
109	1	J4	60.000	0.000	0.000	0.0000	2
110	A4	B4	60.500	0.000	0.000	0.0000	2
111	B4	C4	62.000	0.000	0.000	0.0000	2
112	C4	1FIL4	39.750	0.000	0.000	0.0000	2
113	1FIL4	E4	8.500	0.000	0.000	0.0000	2
114	E4	F4	48.250	0.000	0.000	0.0000	2
115	F4	2FIL4	24.000	0.000	0.000	0.0000	2
116	2FIL4	G4	24.000	0.000	0.000	0.0000	2
117	G4	H4	48.000	0.000	0.000	0.0000	2
118	H4	3FIL4	24.000	0.000	0.000	0.0000	2
119	3FIL4	I4	24.000	0.000	0.000	0.0000	2
120	I4	J4	48.000	0.000	0.000	0.0000	2
121	J4	4FIL4	24.000	0.000	0.000	0.0000	2
122	4FIL4	K4	24.000	0.000	0.000	0.0000	2
123	K4	L4	48.000	0.000	0.000	0.0000	2
125	M4	5FIL4	9.437	0.000	0.000	0.0000	2
126	5FIL4	N4	5.563	0.000	0.000	0.0000	2
127	N4	P4	84.000	0.000	0.000	0.0000	2
128	B4	B5	72.000	0.000	0.000	0.0000	4
129	C4	C5	72.000	0.000	0.000	0.0000	4
130	E4	E5	72.000	0.000	0.000	0.0000	4
131	F4	F5	72.000	0.000	0.000	0.0000	4
132	G4	G5	72.000	0.000	0.000	0.0000	4
133	H4	F5	120.000	0.000	0.000	0.0000	2
134	H4	H5	72.000	0.000	0.000	0.0000	4
135	I4	I5	72.000	0.000	0.000	0.0000	4
136	H5	J4	120.000	0.000	0.000	0.0000	2
137	J4	J5	72.000	0.000	0.000	0.0000	4
138	K4	K5	72.000	0.000	0.000	0.0000	4
139	J4	L5	120.000	0.000	0.000	0.0000	2
140	L4	L5	72.000	0.000	0.000	0.0000	4
141	M4	M5	72.000	0.000	0.000	0.0000	4

142	N4	N5	72.000	0.000	0.000	0.0000	4
143	P4	P5	72.000	0.000	0.000	0.0000	4
144	A5	B5	60.500	0.000	0.000	0.0000	2
145	B5	C5	62.000	0.000	0.000	0.0000	2
146	C5	1FIL5	39.750	0.000	0.000	0.0000	2
147	1FIL5	E5	8.500	0.000	0.000	0.0000	2
148	E5	F5	48.250	0.000	0.000	0.0000	2
149	F5	2FIL5	24.000	0.000	0.000	0.0000	2
150	2FIL5	G5	24.000	0.000	0.000	0.0000	2
151	G5	H5	48.000	0.000	0.000	0.0000	2
152	H5	3FIL5	24.000	0.000	0.000	0.0000	2
153	3FIL5	I5	24.000	0.000	0.000	0.0000	2
154	I5	J5	48.000	0.000	0.000	0.0000	2
155	J5	4FIL5	24.000	0.000	0.000	0.0000	2
156	4FIL5	K5	24.000	0.000	0.000	0.0000	2
157	K5	L5	48.000	0.000	0.000	0.0000	2
159	M5	5FIL5	9.437	0.000	0.000	0.0000	2
160	5FIL5	N5	5.563	0.000	0.000	0.0000	2
161	N5	P5	84.000	0.000	0.000	0.0000	2
162	B5	B6	72.000	0.000	0.000	0.0000	4
163	C5	C6	72.000	0.000	0.000	0.0000	4
164	E5	E6	72.000	0.000	0.000	0.0000	4
165	F5	C6	120.400	0.000	0.000	0.0000	2
166	F5	F6	72.000	0.000	0.000	0.0000	4
167	G5	G6	72.000	0.000	0.000	0.0000	4
168	F6	H5	120.000	0.000	0.000	0.0000	2
169	G5	G6	72.000	0.000	0.000	0.0000	4
170	H5	H6	72.000	0.000	0.000	0.0000	4
171	I5	I6	72.000	0.000	0.000	0.0000	4
172	J5	J6	72.000	0.000	0.000	0.0000	4
173	K5	K6	72.000	0.000	0.000	0.0000	4
174	L5	L6	72.000	0.000	0.000	0.0000	4
175	L5	M6	86.533	0.000	0.000	0.0000	2
176	M5	M6	72.000	0.000	0.000	0.0000	4
177	N5	N6	72.000	0.000	0.000	0.0000	4
178	P5	P6	72.000	0.000	0.000	0.0000	4
179	A6	B6	60.500	0.000	0.000	0.0000	2
180	B6	C6	62.000	0.000	0.000	0.0000	2
181	C6	1FIL6	39.750	0.000	0.000	0.0000	2
182	1FIL6	E6	8.500	0.000	0.000	0.0000	2
183	E6	F6	48.250	0.000	0.000	0.0000	2
184	F6	2FIL6	24.000	0.000	0.000	0.0000	2
185	2FIL6	G6	24.000	0.000	0.000	0.0000	2
186	G6	H6	48.000	0.000	0.000	0.0000	2
187	H6	3FIL6	24.000	0.000	0.000	0.0000	2
188	3FIL6	I6	24.000	0.000	0.000	0.0000	2
189	I6	J6	48.000	0.000	0.000	0.0000	2
190	J6	4FIL6	24.000	0.000	0.000	0.0000	2
191	4FIL6	K6	24.000	0.000	0.000	0.0000	2
192	K6	L6	48.000	0.000	0.000	0.0000	2
194	M6	5FIL6	9.437	0.000	0.000	0.0000	2
195	5FIL6	N6	5.563	0.000	0.000	0.0000	2
196	N6	P6	84.000	0.000	0.000	0.0000	2
197	B6	B7	72.000	0.000	0.000	0.0000	4
198	C6	B7	95.016	0.000	0.000	0.0000	2
199	C6	C7	72.000	0.000	0.000	0.0000	4
200	E6	E7	72.000	0.000	0.000	0.0000	4
201	C7	F6	120.400	0.000	0.000	0.0000	2
202	F6	F7	72.000	0.000	0.000	0.0000	4
203	G6	F7	86.533	0.000	0.000	0.0000	2
204	G6	G7	72.000	0.000	0.000	0.0000	4
205	H6	H7	72.000	0.000	0.000	0.0000	4
206	H6	I7	86.533	0.000	0.000	0.0000	2

207	I6	I7	72.000	0.000	0.000	0.0000	4
208	J6	J7	72.000	0.000	0.000	0.0000	4
209	J6	K7	86.533	0.000	0.000	0.0000	2
210	K6	K7	72.000	0.000	0.000	0.0000	4
211	L6	L7	72.000	0.000	0.000	0.0000	4
212	M6	M7	72.000	0.000	0.000	0.0000	4
213	N6	N7	72.000	0.000	0.000	0.0000	4
214	N6	O7	95.671	0.000	0.000	0.0000	2
215	P6	P7	72.000	0.000	0.000	0.0000	4
216	A7	B7	60.500	0.000	0.000	0.0000	2
217	B7	C7	62.000	0.000	0.000	0.0000	2
218	C7	1FIL7	39.750	0.000	0.000	0.0000	2
219	1FIL7	E7	8.500	0.000	0.000	0.0000	2
220	E7	F7	48.250	0.000	0.000	0.0000	2
221	F7	2FIL7	24.000	0.000	0.000	0.0000	2
222	2FIL7	G7	24.000	0.000	0.000	0.0000	2
223	G7	H7	48.000	0.000	0.000	0.0000	2
224	H7	3FIL7	24.000	0.000	0.000	0.0000	2
225	3FIL7	I7	24.000	0.000	0.000	0.0000	2
226	I7	J7	48.000	0.000	0.000	0.0000	2
227	J7	4FIL7	24.000	0.000	0.000	0.0000	2
228	4FIL7	K7	24.000	0.000	0.000	0.0000	2
229	K7	L7	48.000	0.000	0.000	0.0000	2
231	M7	5FIL7	9.437	0.000	0.000	0.0000	2
232	5FIL7	N7	5.563	0.000	0.000	0.0000	2
233	N7	O7	63.000	0.000	0.000	0.0000	2
234	O7	P7	21.000	0.000	0.000	0.0000	2
235	3	A7	47.022	0.000	0.000	0.0000	2
236	B7	3	47.022	0.000	0.000	0.0000	2
237	B7	B8	72.000	0.000	0.000	0.0000	4
238	B8	C7	95.016	0.000	0.000	0.0000	2
239	C7	C8	72.000	0.000	0.000	0.0000	4
240	E7	E8	72.000	0.000	0.000	0.0000	4
241	F7	F8	72.000	0.000	0.000	0.0000	4
242	G7	G8	72.000	0.000	0.000	0.0000	4
243	H7	H8	72.000	0.000	0.000	0.0000	4
244	I7	I8	72.000	0.000	0.000	0.0000	4
245	J7	J8	72.000	0.000	0.000	0.0000	4
246	K7	K8	72.000	0.000	0.000	0.0000	4
247	L7	L8	72.000	0.000	0.000	0.0000	4
248	M7	M8	72.000	0.000	0.000	0.0000	4
249	N7	N8	72.000	0.000	0.000	0.0000	4
250	O7	N8	95.671	0.000	0.000	0.0000	2
251	P7	P8	72.000	0.000	0.000	0.0000	4
252	3	A8	47.022	0.000	0.000	0.0000	2
253	B8	3	47.022	0.000	0.000	0.0000	2
254	A8	B8	60.500	0.000	0.000	0.0000	2
255	B8	C8	62.000	0.000	0.000	0.0000	2
256	C8	1FIL8	39.750	0.000	0.000	0.0000	2
257	1FIL8	E8	8.500	0.000	0.000	0.0000	2
258	E8	F8	48.250	0.000	0.000	0.0000	2
259	F8	2FIL8	24.000	0.000	0.000	0.0000	2
260	2FIL8	G8	24.000	0.000	0.000	0.0000	2
261	G8	H8	48.000	0.000	0.000	0.0000	2
262	H8	3FIL8	24.000	0.000	0.000	0.0000	2
263	3FIL8	I8	24.000	0.000	0.000	0.0000	2
264	I8	J8	48.000	0.000	0.000	0.0000	2
265	J8	4FIL8	24.000	0.000	0.000	0.0000	2
266	4FIL8	K8	24.000	0.000	0.000	0.0000	2
267	K8	L8	48.000	0.000	0.000	0.0000	2
269	M8	5FIL8	9.437	0.000	0.000	0.0000	2
270	5FIL8	N8	5.563	0.000	0.000	0.0000	2
271	N8	P8	84.000	0.000	0.000	0.0000	2

272	A8	4	47.022	0.000	0.000	0.0000	2
273	4	B8	47.022	0.000	0.000	0.0000	2
274	B8	B9	72.000	0.000	0.000	0.0000	4
275	C9	B8	95.016	0.000	0.000	0.0000	2
276	C8	C9	72.000	0.000	0.000	0.0000	4
277	E8	E9	72.000	0.000	0.000	0.0000	4
278	F8	F9	72.000	0.000	0.000	0.0000	4
279	G8	G9	72.000	0.000	0.000	0.0000	4
280	H8	H9	72.000	0.000	0.000	0.0000	4
281	I8	I9	72.000	0.000	0.000	0.0000	4
282	J8	J9	72.000	0.000	0.000	0.0000	4
283	K8	K9	72.000	0.000	0.000	0.0000	4
284	L8	L9	72.000	0.000	0.000	0.0000	4
285	M8	L9	86.533	0.000	0.000	0.0000	2
286	M8	M9	72.000	0.000	0.000	0.0000	4
287	N8	N9	72.000	0.000	0.000	0.0000	4
288	P8	P9	72.000	0.000	0.000	0.0000	4
289	A9	4	47.022	0.000	0.000	0.0000	2
290	4	B9	47.022	0.000	0.000	0.0000	2
291	A9	B9	60.500	0.000	0.000	0.0000	2
292	B9	C9	62.000	0.000	0.000	0.0000	2
293	C9	1FIL9	39.750	0.000	0.000	0.0000	2
294	1FIL9	E9	8.500	0.000	0.000	0.0000	2
295	E9	F9	48.250	0.000	0.000	0.0000	2
296	F9	2FIL9	24.000	0.000	0.000	0.0000	2
297	2FIL9	G9	24.000	0.000	0.000	0.0000	2
298	G9	H9	48.000	0.000	0.000	0.0000	2
299	H9	3FIL9	24.000	0.000	0.000	0.0000	2
300	3FIL9	I9	24.000	0.000	0.000	0.0000	2
301	I9	J9	48.000	0.000	0.000	0.0000	2
302	J9	4FIL9	24.000	0.000	0.000	0.0000	2
303	4FIL9	K9	24.000	0.000	0.000	0.0000	2
304	K9	L9	48.000	0.000	0.000	0.0000	2
306	M9	5FIL9	9.437	0.000	0.000	0.0000	2
307	5FIL9	N9	5.563	0.000	0.000	0.0000	2
308	N9	P9	84.000	0.000	0.000	0.0000	2
309	B9	B10	72.000	0.000	0.000	0.0000	4
310	B9	C10	95.016	0.000	0.000	0.0000	2
311	C9	C10	72.000	0.000	0.000	0.0000	4
312	E9	E10	72.000	0.000	0.000	0.0000	4
313	F10	C9	120.400	0.000	0.000	0.0000	2
314	F9	F10	72.000	0.000	0.000	0.0000	4
315	F10	G9	86.533	0.000	0.000	0.0000	2
316	G9	G10	72.000	0.000	0.000	0.0000	4
317	H9	H10	72.000	0.000	0.000	0.0000	4
318	H10	I9	86.533	0.000	0.000	0.0000	2
319	I9	I10	72.000	0.000	0.000	0.0000	4
320	J9	J10	72.000	0.000	0.000	0.0000	4
321	K9	J10	86.533	0.000	0.000	0.0000	2
322	K9	K10	72.000	0.000	0.000	0.0000	4
323	L9	J10	120.000	0.000	0.000	0.0000	2
324	L9	L10	72.000	0.000	0.000	0.0000	4
325	M9	M10	72.000	0.000	0.000	0.0000	4
326	N9	N10	72.000	0.000	0.000	0.0000	4
327	P9	P10	72.000	0.000	0.000	0.0000	4
328	A10	B10	60.500	0.000	0.000	0.0000	2
329	B10	C10	62.000	0.000	0.000	0.0000	2
330	C10	1FIL10	39.750	0.000	0.000	0.0000	2
331	1FIL10	E10	8.500	0.000	0.000	0.0000	2
332	E10	F10	48.250	0.000	0.000	0.0000	2
333	F10	2FIL10	24.000	0.000	0.000	0.0000	2
334	2FIL10	G10	24.000	0.000	0.000	0.0000	2
335	G10	H10	48.000	0.000	0.000	0.0000	2

336	H10	3FIL10	24.000	0.000	0.000	0.0000	2
337	3FIL10	I10	24.000	0.000	0.000	0.0000	2
338	I10	J10	48.000	0.000	0.000	0.0000	2
339	J10	4FIL10	24.000	0.000	0.000	0.0000	2
340	4FIL10	K10	24.000	0.000	0.000	0.0000	2
341	K10	L10	48.000	0.000	0.000	0.0000	2
343	M10	5FIL10	9.437	0.000	0.000	0.0000	2
344	5FIL10	N10	5.563	0.000	0.000	0.0000	2
345	N10	P10	84.000	0.000	0.000	0.0000	2
346	B10	B11	72.000	0.000	0.000	0.0000	4
347	C10	C11	72.000	0.000	0.000	0.0000	4
348	E10	E11	72.000	0.000	0.000	0.0000	4
349	C10	F11	120.400	0.000	0.000	0.0000	2
350	F10	F11	72.000	0.000	0.000	0.0000	4
351	G10	G11	72.000	0.000	0.000	0.0000	4
352	H11	F10	120.000	0.000	0.000	0.0000	2
353	H10	H11	72.000	0.000	0.000	0.0000	4
354	I10	I11	72.000	0.000	0.000	0.0000	4
355	J10	H11	120.000	0.000	0.000	0.0000	2
356	J10	J11	72.000	0.000	0.000	0.0000	4
357	K10	K11	72.000	0.000	0.000	0.0000	4
358	L10	L11	72.000	0.000	0.000	0.0000	4
359	M10	M11	72.000	0.000	0.000	0.0000	4
360	N10	N11	72.000	0.000	0.000	0.0000	4
361	P10	P11	72.000	0.000	0.000	0.0000	4
362	A11	B11	60.500	0.000	0.000	0.0000	2
363	B11	C11	62.000	0.000	0.000	0.0000	2
364	C11	1FIL11	39.750	0.000	0.000	0.0000	2
365	1FIL11	E11	8.500	0.000	0.000	0.0000	2
366	E11	F11	48.250	0.000	0.000	0.0000	2
367	F11	2FIL11	24.000	0.000	0.000	0.0000	2
368	2FIL11	G11	24.000	0.000	0.000	0.0000	2
369	G11	H11	48.000	0.000	0.000	0.0000	2
370	H11	3FIL11	24.000	0.000	0.000	0.0000	2
371	3FIL11	I11	24.000	0.000	0.000	0.0000	2
372	I11	J11	48.000	0.000	0.000	0.0000	2
373	J11	4FIL11	24.000	0.000	0.000	0.0000	2
374	4FIL11	K11	24.000	0.000	0.000	0.0000	2
375	K11	L11	48.000	0.000	0.000	0.0000	2
377	M11	5FIL11	9.437	0.000	0.000	0.0000	2
378	5FIL11	N11	5.563	0.000	0.000	0.0000	2
379	N11	P11	84.000	0.000	0.000	0.0000	2
380	F11	2	60.000	0.000	0.000	0.0000	2
381	G11	2	36.000	0.000	0.000	0.0000	4
382	H11	2	60.000	0.000	0.000	0.0000	2
383	B11	B12	72.000	0.000	0.000	0.0000	4
384	C11	C12	72.000	0.000	0.000	0.0000	4
385	E11	E12	72.000	0.000	0.000	0.0000	4
386	F11	F12	72.000	0.000	0.000	0.0000	4
387	H11	H12	72.000	0.000	0.000	0.0000	4
388	I11	I12	72.000	0.000	0.000	0.0000	4
389	J12	H11	120.000	0.000	0.000	0.0000	2
390	J11	J12	72.000	0.000	0.000	0.0000	4
391	K11	K12	72.000	0.000	0.000	0.0000	4
392	L11	L12	72.000	0.000	0.000	0.0000	4
393	M11	M12	72.000	0.000	0.000	0.0000	4
394	N11	N12	72.000	0.000	0.000	0.0000	4
395	P11	P12	72.000	0.000	0.000	0.0000	4
396	2	F12	60.000	0.000	0.000	0.0000	2
397	2	G12	36.000	0.000	0.000	0.0000	4
398	2	H12	60.000	0.000	0.000	0.0000	2
399	A12	B12	60.500	0.000	0.000	0.0000	2
400	B12	C12	62.000	0.000	0.000	0.0000	2

401	C12	1FIL12	39.750	0.000	0.000	0.0000	2
402	1FIL12	E12	8.500	0.000	0.000	0.0000	2
403	E12	F12	48.250	0.000	0.000	0.0000	2
404	F12	2FIL12	24.000	0.000	0.000	0.0000	2
405	2FIL12	G12	24.000	0.000	0.000	0.0000	2
406	G12	H12	48.000	0.000	0.000	0.0000	2
407	H12	3FIL12	24.000	0.000	0.000	0.0000	2
408	3FIL12	I12	24.000	0.000	0.000	0.0000	2
409	I12	J12	48.000	0.000	0.000	0.0000	2
410	J12	4FIL12	24.000	0.000	0.000	0.0000	2
411	4FIL12	K12	24.000	0.000	0.000	0.0000	2
412	K12	L12	48.000	0.000	0.000	0.0000	2
414	M12	5FIL12	9.437	0.000	0.000	0.0000	2
415	5FIL12	N12	5.563	0.000	0.000	0.0000	2
416	N12	P12	84.000	0.000	0.000	0.0000	2
417	B12	B13	72.000	0.000	0.000	0.0000	4
418	C12	C13	72.000	0.000	0.000	0.0000	4
419	E12	E13	72.000	0.000	0.000	0.0000	4
420	F12	C13	120.400	0.000	0.000	0.0000	2
421	F12	F13	72.000	0.000	0.000	0.0000	4
422	G12	G13	72.000	0.000	0.000	0.0000	4
423	H12	H13	72.000	0.000	0.000	0.0000	4
424	I12	I13	72.000	0.000	0.000	0.0000	4
425	H12	J13	120.000	0.000	0.000	0.0000	2
426	J12	J13	72.000	0.000	0.000	0.0000	4
427	K12	K13	72.000	0.000	0.000	0.0000	4
428	L13	J12	120.000	0.000	0.000	0.0000	2
429	L12	L13	72.000	0.000	0.000	0.0000	4
430	M12	M13	72.000	0.000	0.000	0.0000	4
431	N12	N13	72.000	0.000	0.000	0.0000	4
432	P12	P13	72.000	0.000	0.000	0.0000	4
433	A13	B13	60.500	0.000	0.000	0.0000	2
434	B13	C13	62.000	0.000	0.000	0.0000	2
435	C13	1FIL13	39.750	0.000	0.000	0.0000	2
436	1FIL13	E13	8.500	0.000	0.000	0.0000	2
437	E13	F13	48.250	0.000	0.000	0.0000	2
438	F13	2FIL13	24.000	0.000	0.000	0.0000	2
439	2FIL13	G13	24.000	0.000	0.000	0.0000	2
440	G13	H13	48.000	0.000	0.000	0.0000	2
441	H13	3FIL13	24.000	0.000	0.000	0.0000	2
442	3FIL13	I13	24.000	0.000	0.000	0.0000	2
443	I13	J13	48.000	0.000	0.000	0.0000	2
444	J13	4FIL13	24.000	0.000	0.000	0.0000	2
445	4FIL13	K13	24.000	0.000	0.000	0.0000	2
446	K13	L13	48.000	0.000	0.000	0.0000	2
448	M13	5FIL13	9.437	0.000	0.000	0.0000	2
449	5FIL13	N13	5.563	0.000	0.000	0.0000	2
450	N13	P13	84.000	0.000	0.000	0.0000	2
451	B13	B14	72.000	0.000	0.000	0.0000	4
452	C13	B14	95.016	0.000	0.000	0.0000	2
453	C13	C14	72.000	0.000	0.000	0.0000	4
454	E13	E14	72.000	0.000	0.000	0.0000	4
455	F13	F14	72.000	0.000	0.000	0.0000	4
456	F13	G14	86.533	0.000	0.000	0.0000	2
457	G13	G14	72.000	0.000	0.000	0.0000	4
458	H13	H14	72.000	0.000	0.000	0.0000	4
459	H13	I14	86.533	0.000	0.000	0.0000	2
460	I13	I14	72.000	0.000	0.000	0.0000	4
461	J13	J14	72.000	0.000	0.000	0.0000	4
462	J13	K14	86.533	0.000	0.000	0.0000	2
463	K13	K14	72.000	0.000	0.000	0.0000	4
464	J13	L14	120.000	0.000	0.000	0.0000	2
465	L13	L14	72.000	0.000	0.000	0.0000	4

466	M14	L13	86.533	0.000	0.000	0.0000	2
467	M13	M14	72.000	0.000	0.000	0.0000	4
468	N13	N14	72.000	0.000	0.000	0.0000	4
469	P13	P14	72.000	0.000	0.000	0.0000	4
470	A14	B14	60.500	0.000	0.000	0.0000	2
471	B14	C14	62.000	0.000	0.000	0.0000	2
472	C14	1FIL14	39.750	0.000	0.000	0.0000	2
473	1FIL14	E14	8.500	0.000	0.000	0.0000	2
474	E14	F14	48.250	0.000	0.000	0.0000	2
475	F14	2FIL14	24.000	0.000	0.000	0.0000	2
476	2FIL14	G14	24.000	0.000	0.000	0.0000	2
477	G14	H14	48.000	0.000	0.000	0.0000	2
478	H14	3FIL14	24.000	0.000	0.000	0.0000	2
479	3FIL14	I14	24.000	0.000	0.000	0.0000	2
480	I14	J14	48.000	0.000	0.000	0.0000	2
481	J14	4FIL14	24.000	0.000	0.000	0.0000	2
482	4FIL14	K14	24.000	0.000	0.000	0.0000	2
483	K14	L14	48.000	0.000	0.000	0.0000	2
485	M14	5FIL14	9.437	0.000	0.000	0.0000	2
486	5FIL14	N14	5.563	0.000	0.000	0.0000	2
487	N14	P14	84.000	0.000	0.000	0.0000	2
488	B14	A15	94.044	0.000	0.000	0.0000	2
489	B14	B15	72.000	0.000	0.000	0.0000	4
490	C14	C15	72.000	0.000	0.000	0.0000	4
491	E14	E15	72.000	0.000	0.000	0.0000	4
492	F14	F15	72.000	0.000	0.000	0.0000	4
493	G14	G15	72.000	0.000	0.000	0.0000	4
494	H14	H15	72.000	0.000	0.000	0.0000	4
495	I14	I15	72.000	0.000	0.000	0.0000	4
496	J14	J15	72.000	0.000	0.000	0.0000	4
497	K14	K15	72.000	0.000	0.000	0.0000	4
498	L14	L15	72.000	0.000	0.000	0.0000	4
499	L14	M15	86.533	0.000	0.000	0.0000	2
500	M14	M15	72.000	0.000	0.000	0.0000	4
501	N14	N15	72.000	0.000	0.000	0.0000	4
502	N14	O15	95.671	0.000	0.000	0.0000	2
503	P14	P15	72.000	0.000	0.000	0.0000	4
504	A15	B15	60.500	0.000	0.000	0.0000	2
505	B15	C15	62.000	0.000	0.000	0.0000	2
506	C15	1FIL15	39.750	0.000	0.000	0.0000	2
507	1FIL15	E15	8.500	0.000	0.000	0.0000	2
508	E15	F15	48.250	0.000	0.000	0.0000	2
509	F15	2FIL15	24.000	0.000	0.000	0.0000	2
510	2FIL15	G15	24.000	0.000	0.000	0.0000	2
511	G15	H15	48.000	0.000	0.000	0.0000	2
512	H15	3FIL15	24.000	0.000	0.000	0.0000	2
513	3FIL15	I15	24.000	0.000	0.000	0.0000	2
514	I15	J15	48.000	0.000	0.000	0.0000	2
515	J15	4FIL15	24.000	0.000	0.000	0.0000	2
516	4FIL15	K15	24.000	0.000	0.000	0.0000	2
517	K15	L15	48.000	0.000	0.000	0.0000	2
519	M15	5FIL15	9.437	0.000	0.000	0.0000	2
520	5FIL15	N15	5.563	0.000	0.000	0.0000	2
521	N15	O15	63.000	0.000	0.000	0.0000	2
522	O15	P15	21.000	0.000	0.000	0.0000	2
523	L1	DE1	24.000	0.000	0.000	0.0000	2
524	DE1	M1	24.000	0.000	0.000	0.0000	2
525	L2	DE2	24.000	0.000	0.000	0.0000	2
526	DE2	M2	24.000	0.000	0.000	0.0000	2
527	L3	DE3	24.000	0.000	0.000	0.0000	2
528	DE3	M3	24.000	0.000	0.000	0.0000	2
529	L4	DE4	24.000	0.000	0.000	0.0000	2
530	DE4	M4	24.000	0.000	0.000	0.0000	2

531	L5	DE5	24.000	0.000	0.000	0.0000	2
532	DE5	M5	24.000	0.000	0.000	0.0000	2
533	L6	DE6	24.000	0.000	0.000	0.0000	2
534	DE6	M6	24.000	0.000	0.000	0.0000	2
535	L7	DE7	24.000	0.000	0.000	0.0000	2
536	DE7	M7	24.000	0.000	0.000	0.0000	2
537	L8	DE8	24.000	0.000	0.000	0.0000	2
538	DE8	M8	24.000	0.000	0.000	0.0000	2
539	L9	DE9	24.000	0.000	0.000	0.0000	2
540	DE9	M9	24.000	0.000	0.000	0.0000	2
541	L10	DE10	24.000	0.000	0.000	0.0000	2
542	DE10	M10	24.000	0.000	0.000	0.0000	2
543	L11	DE11	24.000	0.000	0.000	0.0000	2
544	DE11	M11	24.000	0.000	0.000	0.0000	2
545	L12	DE12	24.000	0.000	0.000	0.0000	2
546	DE12	M12	24.000	0.000	0.000	0.0000	2
547	L13	DE13	24.000	0.000	0.000	0.0000	2
548	DE13	M13	24.000	0.000	0.000	0.0000	2
549	L14	DE14	24.000	0.000	0.000	0.0000	2
550	DE14	M14	24.000	0.000	0.000	0.0000	2
551	L15	DE15	24.000	0.000	0.000	0.0000	2
552	DE15	M15	24.000	0.000	0.000	0.0000	2

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 18
PROGRAM:SAP2000/FILE:\BentBSeismic.EKO

F R A M E E L E M E N T D A T A

ELEMENT LABEL	SECTION LABEL	LOCAL PLANE	COORD SYSTEM	PLN 1ST	PLN 2ND	PLANE JOINTA	PLANE JOINTB	COORD ANGLE
1	4X4	12	0	+Z	+X	0	0	0.00
2	4X4	12	0	+Z	+X	0	0	0.00
3	4X4	12	0	+Z	+X	0	0	0.00
4	4X4	12	0	+Z	+X	0	0	0.00
5	4X4	12	0	+Z	+X	0	0	0.00
6	4X4	12	0	+Z	+X	0	0	0.00
7	4X4	12	0	+Z	+X	0	0	0.00
8	4X4	12	0	+Z	+X	0	0	0.00
9	4X4	12	0	+Z	+X	0	0	0.00
10	4X4	12	0	+Z	+X	0	0	0.00
11	4X4	12	0	+Z	+X	0	0	0.00
12	4X4	12	0	+Z	+X	0	0	0.00
14	4X4	12	0	+Z	+X	0	0	0.00
15	4X4	12	0	+Z	+X	0	0	0.00
16	4X4	12	0	+Z	+X	0	0	0.00
17	4X4	12	0	+Z	+X	0	0	0.00
18	2X2X4	12	0	+Z	+X	0	0	0.00
19	2X2X8	12	0	+Z	+X	0	0	0.00
20	4X4	12	0	+Z	+X	0	0	0.00
21	2X2X4	12	0	+Z	+X	0	0	0.00
22	2X2X4	12	0	+Z	+X	0	0	0.00
23	2X2X4	12	0	+Z	+X	0	0	0.00
24	2X2X4	12	0	+Z	+X	0	0	0.00
25	2X2X4	12	0	+Z	+X	0	0	0.00
26	2X2X4	12	0	+Z	+X	0	0	0.00
27	2X2X4	12	0	+Z	+X	0	0	0.00
28	4X4	12	0	+Z	+X	0	0	0.00
29	2X2X4	12	0	+Z	+X	0	0	0.00
30	2X2X4	12	0	+Z	+X	0	0	0.00
31	4X4	12	0	+Z	+X	0	0	0.00

32	2X8	12	0	+Z	+X	0	0	0.00
33	4X4	12	0	+Z	+X	0	0	0.00
34	4X4	12	0	+Z	+X	0	0	0.00
35	4X4	12	0	+Z	+X	0	0	0.00
36	4X4	12	0	+Z	+X	0	0	0.00
37	4X4	12	0	+Z	+X	0	0	0.00
38	4X4	12	0	+Z	+X	0	0	0.00
39	4X4	12	0	+Z	+X	0	0	0.00
40	4X4	12	0	+Z	+X	0	0	0.00
41	4X4	12	0	+Z	+X	0	0	0.00
42	4X4	12	0	+Z	+X	0	0	0.00
43	4X4	12	0	+Z	+X	0	0	0.00
44	4X4	12	0	+Z	+X	0	0	0.00
45	4X4	12	0	+Z	+X	0	0	0.00
46	4X4	12	0	+Z	+X	0	0	0.00
48	4X4	12	0	+Z	+X	0	0	0.00
49	4X4	12	0	+Z	+X	0	0	0.00
50	4X4	12	0	+Z	+X	0	0	0.00
51	2X2X4	12	0	+Z	+X	0	0	0.00
52	2X2X4	12	0	+Z	+X	0	0	0.00
53	2X2X4	12	0	+Z	+X	0	0	0.00
54	2X2X4	12	0	+Z	+X	0	0	0.00
55	2X2X4	12	0	+Z	+X	0	0	0.00
56	2X2X4	12	0	+Z	+X	0	0	0.00
57	4X4	12	0	+Z	+X	0	0	0.00
58	2X2X8	12	0	+Z	+X	0	0	0.00
59	2X2X4	12	0	+Z	+X	0	0	0.00
60	2X2X4	12	0	+Z	+X	0	0	0.00
61	2X2X4	12	0	+Z	+X	0	0	0.00
62	2X2X4	12	0	+Z	+X	0	0	0.00
63	2X2X4	12	0	+Z	+X	0	0	0.00
64	2X2X4	12	0	+Z	+X	0	0	0.00
65	4X4	12	0	+Z	+X	0	0	0.00
66	2X2X4	12	0	+Z	+X	0	0	0.00
67	4X4	12	0	+Z	+X	0	0	0.00
68	2X2X4	12	0	+Z	+X	0	0	0.00
69	2X2X4	12	0	+Z	+X	0	0	0.00
70	2X8	12	0	+Z	+X	0	0	0.00
71	4X4	12	0	+Z	+X	0	0	0.00
72	4X4	12	0	+Z	+X	0	0	0.00
73	4X4	12	0	+Z	+X	0	0	0.00
74	4X4	12	0	+Z	+X	0	0	0.00
75	4X4	12	0	+Z	+X	0	0	0.00
76	4X4	12	0	+Z	+X	0	0	0.00
77	4X4	12	0	+Z	+X	0	0	0.00
78	4X4	12	0	+Z	+X	0	0	0.00
79	4X4	12	0	+Z	+X	0	0	0.00
80	4X4	12	0	+Z	+X	0	0	0.00
81	4X4	12	0	+Z	+X	0	0	0.00
82	4X4	12	0	+Z	+X	0	0	0.00
83	4X4	12	0	+Z	+X	0	0	0.00
84	4X4	12	0	+Z	+X	0	0	0.00
86	4X4	12	0	+Z	+X	0	0	0.00
87	4X4	12	0	+Z	+X	0	0	0.00
88	4X4	12	0	+Z	+X	0	0	0.00
89	4X4	12	0	+Z	+X	0	0	0.00
90	2X2X4	12	0	+Z	+X	0	0	0.00
91	2X2X8	12	0	+Z	+X	0	0	0.00
92	4X4	12	0	+Z	+X	0	0	0.00
93	2X2X4	12	0	+Z	+X	0	0	0.00
94	2X2X4	12	0	+Z	+X	0	0	0.00
95	2X2X4	12	0	+Z	+X	0	0	0.00
96	2X2X4	12	0	+Z	+X	0	0	0.00

97	2X2X4	12	0	+Z	+X	0	0	0.00
98	2X2X4	12	0	+Z	+X	0	0	0.00
99	2X2X4	12	0	+Z	+X	0	0	0.00
100	2X2X4	12	0	+Z	+X	0	0	0.00
101	4X4	12	0	+Z	+X	0	0	0.00
102	2X2X4	12	0	+Z	+X	0	0	0.00
103	2X2X4	12	0	+Z	+X	0	0	0.00
104	2X2X4	12	0	+Z	+X	0	0	0.00
105	2X8	12	0	+Z	+X	0	0	0.00
106	4X4	12	0	+Z	+X	0	0	0.00
107	2X2X4	12	0	+Z	+X	0	0	0.00
108	2X2X8	12	0	+Z	+X	0	0	0.00
109	4X4	12	0	+Z	+X	0	0	0.00
110	4X4	12	0	+Z	+X	0	0	0.00
111	4X4	12	0	+Z	+X	0	0	0.00
112	4X4	12	0	+Z	+X	0	0	0.00
113	4X4	12	0	+Z	+X	0	0	0.00
114	4X4	12	0	+Z	+X	0	0	0.00
115	4X4	12	0	+Z	+X	0	0	0.00
116	4X4	12	0	+Z	+X	0	0	0.00
117	4X4	12	0	+Z	+X	0	0	0.00
118	4X4	12	0	+Z	+X	0	0	0.00
119	4X4	12	0	+Z	+X	0	0	0.00
120	4X4	12	0	+Z	+X	0	0	0.00
121	4X4	12	0	+Z	+X	0	0	0.00
122	4X4	12	0	+Z	+X	0	0	0.00
123	4X4	12	0	+Z	+X	0	0	0.00
125	4X4	12	0	+Z	+X	0	0	0.00
126	4X4	12	0	+Z	+X	0	0	0.00
127	4X4	12	0	+Z	+X	0	0	0.00
128	2X2X4	12	0	+Z	+X	0	0	0.00
129	2X2X4	12	0	+Z	+X	0	0	0.00
130	2X2X4	12	0	+Z	+X	0	0	0.00
131	2X2X4	12	0	+Z	+X	0	0	0.00
132	2X2X4	12	0	+Z	+X	0	0	0.00
133	4X4	12	0	+Z	+X	0	0	0.00
134	2X2X4	12	0	+Z	+X	0	0	0.00
135	2X2X4	12	0	+Z	+X	0	0	0.00
136	4X4	12	0	+Z	+X	0	0	0.00
137	2X2X4	12	0	+Z	+X	0	0	0.00
138	2X2X4	12	0	+Z	+X	0	0	0.00
139	4X4	12	0	+Z	+X	0	0	0.00
140	2X2X4	12	0	+Z	+X	0	0	0.00
141	2X2X4	12	0	+Z	+X	0	0	0.00
142	2X2X4	12	0	+Z	+X	0	0	0.00
143	2X8	12	0	+Z	+X	0	0	0.00
144	4X4	12	0	+Z	+X	0	0	0.00
145	4X4	12	0	+Z	+X	0	0	0.00
146	4X4	12	0	+Z	+X	0	0	0.00
147	4X4	12	0	+Z	+X	0	0	0.00
148	4X4	12	0	+Z	+X	0	0	0.00
149	4X4	12	0	+Z	+X	0	0	0.00
150	4X4	12	0	+Z	+X	0	0	0.00
151	4X4	12	0	+Z	+X	0	0	0.00
152	4X4	12	0	+Z	+X	0	0	0.00
153	4X4	12	0	+Z	+X	0	0	0.00
154	4X4	12	0	+Z	+X	0	0	0.00
155	4X4	12	0	+Z	+X	0	0	0.00
156	4X4	12	0	+Z	+X	0	0	0.00
157	4X4	12	0	+Z	+X	0	0	0.00
159	4X4	12	0	+Z	+X	0	0	0.00
160	4X4	12	0	+Z	+X	0	0	0.00
161	4X4	12	0	+Z	+X	0	0	0.00

162	2X2X4	12	0	+Z	+X	0	0	0.00
163	2X2X4	12	0	+Z	+X	0	0	0.00
164	2X2X4	12	0	+Z	+X	0	0	0.00
165	4X4	12	0	+Z	+X	0	0	0.00
166	2X2X4	12	0	+Z	+X	0	0	0.00
167	2X2X4	12	0	+Z	+X	0	0	0.00
168	4X4	12	0	+Z	+X	0	0	0.00
169	2X2X8	12	0	+Z	+X	0	0	0.00
170	2X2X4	12	0	+Z	+X	0	0	0.00
171	2X2X4	12	0	+Z	+X	0	0	0.00
172	2X2X4	12	0	+Z	+X	0	0	0.00
173	2X2X4	12	0	+Z	+X	0	0	0.00
174	2X2X4	12	0	+Z	+X	0	0	0.00
175	4X4	12	0	+Z	+X	0	0	0.00
176	2X2X4	12	0	+Z	+X	0	0	0.00
177	2X2X4	12	0	+Z	+X	0	0	0.00
178	2X8	12	0	+Z	+X	0	0	0.00
179	4X4	12	0	+Z	+X	0	0	0.00
180	4X4	12	0	+Z	+X	0	0	0.00
181	4X4	12	0	+Z	+X	0	0	0.00
182	4X4	12	0	+Z	+X	0	0	0.00
183	4X4	12	0	+Z	+X	0	0	0.00
184	4X4	12	0	+Z	+X	0	0	0.00
185	4X4	12	0	+Z	+X	0	0	0.00
186	4X4	12	0	+Z	+X	0	0	0.00
187	4X4	12	0	+Z	+X	0	0	0.00
188	4X4	12	0	+Z	+X	0	0	0.00
189	4X4	12	0	+Z	+X	0	0	0.00
190	4X4	12	0	+Z	+X	0	0	0.00
191	4X4	12	0	+Z	+X	0	0	0.00
192	4X4	12	0	+Z	+X	0	0	0.00
194	4X4	12	0	+Z	+X	0	0	0.00
195	4X4	12	0	+Z	+X	0	0	0.00
196	4X4	12	0	+Z	+X	0	0	0.00
197	2X2X4	12	0	+Z	+X	0	0	0.00
198	4X4	12	0	+Z	+X	0	0	0.00
199	2X2X4	12	0	+Z	+X	0	0	0.00
200	2X2X4	12	0	+Z	+X	0	0	0.00
201	4X4	12	0	+Z	+X	0	0	0.00
202	2X2X4	12	0	+Z	+X	0	0	0.00
203	2X2X4	12	0	+Z	+X	0	0	0.00
204	2X2X4	12	0	+Z	+X	0	0	0.00
205	2X2X4	12	0	+Z	+X	0	0	0.00
206	2X2X4	12	0	+Z	+X	0	0	0.00
207	2X2X4	12	0	+Z	+X	0	0	0.00
208	2X2X4	12	0	+Z	+X	0	0	0.00
209	2X2X4	12	0	+Z	+X	0	0	0.00
210	2X2X4	12	0	+Z	+X	0	0	0.00
211	2X2X4	12	0	+Z	+X	0	0	0.00
212	2X2X4	12	0	+Z	+X	0	0	0.00
213	2X2X4	12	0	+Z	+X	0	0	0.00
214	4X4	12	0	+Z	+X	0	0	0.00
215	2X8	12	0	+Z	+X	0	0	0.00
216	4X4	12	0	+Z	+X	0	0	0.00
217	4X4	12	0	+Z	+X	0	0	0.00
218	4X4	12	0	+Z	+X	0	0	0.00
219	4X4	12	0	+Z	+X	0	0	0.00
220	4X4	12	0	+Z	+X	0	0	0.00
221	4X4	12	0	+Z	+X	0	0	0.00
222	4X4	12	0	+Z	+X	0	0	0.00
223	4X4	12	0	+Z	+X	0	0	0.00
224	4X4	12	0	+Z	+X	0	0	0.00
225	4X4	12	0	+Z	+X	0	0	0.00

226	4X4	12	0	+Z	+X	0	0	0.00
227	4X4	12	0	+Z	+X	0	0	0.00
228	4X4	12	0	+Z	+X	0	0	0.00
229	4X4	12	0	+Z	+X	0	0	0.00
231	4X4	12	0	+Z	+X	0	0	0.00
232	4X4	12	0	+Z	+X	0	0	0.00
233	4X4	12	0	+Z	+X	0	0	0.00
234	4X4	12	0	+Z	+X	0	0	0.00
235	4X4	12	0	+Z	+X	0	0	0.00
236	4X4	12	0	+Z	+X	0	0	0.00
237	2X2X4	12	0	+Z	+X	0	0	0.00
238	4X4	12	0	+Z	+X	0	0	0.00
239	2X2X4	12	0	+Z	+X	0	0	0.00
240	2X2X4	12	0	+Z	+X	0	0	0.00
241	2X2X4	12	0	+Z	+X	0	0	0.00
242	2X2X4	12	0	+Z	+X	0	0	0.00
243	2X2X4	12	0	+Z	+X	0	0	0.00
244	2X2X4	12	0	+Z	+X	0	0	0.00
245	2X2X4	12	0	+Z	+X	0	0	0.00
246	2X2X4	12	0	+Z	+X	0	0	0.00
247	2X2X4	12	0	+Z	+X	0	0	0.00
248	2X2X4	12	0	+Z	+X	0	0	0.00
249	2X2X4	12	0	+Z	+X	0	0	0.00
250	4X4	12	0	+Z	+X	0	0	0.00
251	2X8	12	0	+Z	+X	0	0	0.00
252	4X4	12	0	+Z	+X	0	0	0.00
253	4X4	12	0	+Z	+X	0	0	0.00
254	4X4	12	0	+Z	+X	0	0	0.00
255	4X4	12	0	+Z	+X	0	0	0.00
256	4X4	12	0	+Z	+X	0	0	0.00
257	4X4	12	0	+Z	+X	0	0	0.00
258	4X4	12	0	+Z	+X	0	0	0.00
259	4X4	12	0	+Z	+X	0	0	0.00
260	4X4	12	0	+Z	+X	0	0	0.00
261	4X4	12	0	+Z	+X	0	0	0.00
262	4X4	12	0	+Z	+X	0	0	0.00
263	4X4	12	0	+Z	+X	0	0	0.00
264	4X4	12	0	+Z	+X	0	0	0.00
265	4X4	12	0	+Z	+X	0	0	0.00
266	4X4	12	0	+Z	+X	0	0	0.00
267	4X4	12	0	+Z	+X	0	0	0.00
269	4X4	12	0	+Z	+X	0	0	0.00
270	4X4	12	0	+Z	+X	0	0	0.00
271	4X4	12	0	+Z	+X	0	0	0.00
272	4X4	12	0	+Z	+X	0	0	0.00
273	4X4	12	0	+Z	+X	0	0	0.00
274	2X2X4	12	0	+Z	+X	0	0	0.00
275	4X4	12	0	+Z	+X	0	0	0.00
276	2X2X4	12	0	+Z	+X	0	0	0.00
277	2X2X4	12	0	+Z	+X	0	0	0.00
278	2X2X4	12	0	+Z	+X	0	0	0.00
279	2X2X4	12	0	+Z	+X	0	0	0.00
280	2X2X4	12	0	+Z	+X	0	0	0.00
281	2X2X4	12	0	+Z	+X	0	0	0.00
282	2X2X4	12	0	+Z	+X	0	0	0.00
283	2X2X4	12	0	+Z	+X	0	0	0.00
284	2X2X4	12	0	+Z	+X	0	0	0.00
285	4X4	12	0	+Z	+X	0	0	0.00
286	2X2X4	12	0	+Z	+X	0	0	0.00
287	2X2X4	12	0	+Z	+X	0	0	0.00
288	2X8	12	0	+Z	+X	0	0	0.00
289	4X4	12	0	+Z	+X	0	0	0.00
290	4X4	12	0	+Z	+X	0	0	0.00

291	4X4	12	0	+Z	+X	0	0	0.00
292	4X4	12	0	+Z	+X	0	0	0.00
293	4X4	12	0	+Z	+X	0	0	0.00
294	4X4	12	0	+Z	+X	0	0	0.00
295	4X4	12	0	+Z	+X	0	0	0.00
296	4X4	12	0	+Z	+X	0	0	0.00
297	4X4	12	0	+Z	+X	0	0	0.00
298	4X4	12	0	+Z	+X	0	0	0.00
299	4X4	12	0	+Z	+X	0	0	0.00
300	4X4	12	0	+Z	+X	0	0	0.00
301	4X4	12	0	+Z	+X	0	0	0.00
302	4X4	12	0	+Z	+X	0	0	0.00
303	4X4	12	0	+Z	+X	0	0	0.00
304	4X4	12	0	+Z	+X	0	0	0.00
306	4X4	12	0	+Z	+X	0	0	0.00
307	4X4	12	0	+Z	+X	0	0	0.00
308	4X4	12	0	+Z	+X	0	0	0.00
309	2X2X4	12	0	+Z	+X	0	0	0.00
310	4X4	12	0	+Z	+X	0	0	0.00
311	2X2X4	12	0	+Z	+X	0	0	0.00
312	2X2X4	12	0	+Z	+X	0	0	0.00
313	4X4	12	0	+Z	+X	0	0	0.00
314	2X2X4	12	0	+Z	+X	0	0	0.00
315	2X2X4	12	0	+Z	+X	0	0	0.00
316	2X2X4	12	0	+Z	+X	0	0	0.00
317	2X2X4	12	0	+Z	+X	0	0	0.00
318	2X2X4	12	0	+Z	+X	0	0	0.00
319	2X2X4	12	0	+Z	+X	0	0	0.00
320	2X2X4	12	0	+Z	+X	0	0	0.00
321	2X2X4	12	0	+Z	+X	0	0	0.00
322	2X2X4	12	0	+Z	+X	0	0	0.00
323	4X4	12	0	+Z	+X	0	0	0.00
324	2X2X4	12	0	+Z	+X	0	0	0.00
325	2X2X4	12	0	+Z	+X	0	0	0.00
326	2X2X4	12	0	+Z	+X	0	0	0.00
327	2X8	12	0	+Z	+X	0	0	0.00
328	4X4	12	0	+Z	+X	0	0	0.00
329	4X4	12	0	+Z	+X	0	0	0.00
330	4X4	12	0	+Z	+X	0	0	0.00
331	4X4	12	0	+Z	+X	0	0	0.00
332	4X4	12	0	+Z	+X	0	0	0.00
333	4X4	12	0	+Z	+X	0	0	0.00
334	4X4	12	0	+Z	+X	0	0	0.00
335	4X4	12	0	+Z	+X	0	0	0.00
336	4X4	12	0	+Z	+X	0	0	0.00
337	4X4	12	0	+Z	+X	0	0	0.00
338	4X4	12	0	+Z	+X	0	0	0.00
339	4X4	12	0	+Z	+X	0	0	0.00
340	4X4	12	0	+Z	+X	0	0	0.00
341	4X4	12	0	+Z	+X	0	0	0.00
343	4X4	12	0	+Z	+X	0	0	0.00
344	4X4	12	0	+Z	+X	0	0	0.00
345	4X4	12	0	+Z	+X	0	0	0.00
346	2X2X4	12	0	+Z	+X	0	0	0.00
347	2X2X4	12	0	+Z	+X	0	0	0.00
348	2X2X4	12	0	+Z	+X	0	0	0.00
349	4X4	12	0	+Z	+X	0	0	0.00
350	2X2X4	12	0	+Z	+X	0	0	0.00
351	2X2X4	12	0	+Z	+X	0	0	0.00
352	4X4	12	0	+Z	+X	0	0	0.00
353	2X2X4	12	0	+Z	+X	0	0	0.00
354	2X2X4	12	0	+Z	+X	0	0	0.00
355	4X4	12	0	+Z	+X	0	0	0.00

356	2X2X4	12	0	+Z	+X	0	0	0.00
357	2X2X4	12	0	+Z	+X	0	0	0.00
358	2X2X4	12	0	+Z	+X	0	0	0.00
359	2X2X4	12	0	+Z	+X	0	0	0.00
360	2X2X4	12	0	+Z	+X	0	0	0.00
361	2X8	12	0	+Z	+X	0	0	0.00
362	4X4	12	0	+Z	+X	0	0	0.00
363	4X4	12	0	+Z	+X	0	0	0.00
364	4X4	12	0	+Z	+X	0	0	0.00
365	4X4	12	0	+Z	+X	0	0	0.00
366	4X4	12	0	+Z	+X	0	0	0.00
367	4X4	12	0	+Z	+X	0	0	0.00
368	4X4	12	0	+Z	+X	0	0	0.00
369	4X4	12	0	+Z	+X	0	0	0.00
370	4X4	12	0	+Z	+X	0	0	0.00
371	4X4	12	0	+Z	+X	0	0	0.00
372	4X4	12	0	+Z	+X	0	0	0.00
373	4X4	12	0	+Z	+X	0	0	0.00
374	4X4	12	0	+Z	+X	0	0	0.00
375	4X4	12	0	+Z	+X	0	0	0.00
377	4X4	12	0	+Z	+X	0	0	0.00
378	4X4	12	0	+Z	+X	0	0	0.00
379	4X4	12	0	+Z	+X	0	0	0.00
380	4X4	12	0	+Z	+X	0	0	0.00
381	2X2X4	12	0	+Z	+X	0	0	0.00
382	4X4	12	0	+Z	+X	0	0	0.00
383	2X2X4	12	0	+Z	+X	0	0	0.00
384	2X2X4	12	0	+Z	+X	0	0	0.00
385	2X2X4	12	0	+Z	+X	0	0	0.00
386	2X2X4	12	0	+Z	+X	0	0	0.00
387	2X2X4	12	0	+Z	+X	0	0	0.00
388	2X2X4	12	0	+Z	+X	0	0	0.00
389	4X4	12	0	+Z	+X	0	0	0.00
390	2X2X4	12	0	+Z	+X	0	0	0.00
391	2X2X4	12	0	+Z	+X	0	0	0.00
392	2X2X4	12	0	+Z	+X	0	0	0.00
393	2X2X4	12	0	+Z	+X	0	0	0.00
394	2X2X4	12	0	+Z	+X	0	0	0.00
395	2X8	12	0	+Z	+X	0	0	0.00
396	4X4	12	0	+Z	+X	0	0	0.00
397	2X2X4	12	0	+Z	+X	0	0	0.00
398	4X4	12	0	+Z	+X	0	0	0.00
399	4X4	12	0	+Z	+X	0	0	0.00
400	4X4	12	0	+Z	+X	0	0	0.00
401	4X4	12	0	+Z	+X	0	0	0.00
402	4X4	12	0	+Z	+X	0	0	0.00
403	4X4	12	0	+Z	+X	0	0	0.00
404	4X4	12	0	+Z	+X	0	0	0.00
405	4X4	12	0	+Z	+X	0	0	0.00
406	4X4	12	0	+Z	+X	0	0	0.00
407	4X4	12	0	+Z	+X	0	0	0.00
408	4X4	12	0	+Z	+X	0	0	0.00
409	4X4	12	0	+Z	+X	0	0	0.00
410	4X4	12	0	+Z	+X	0	0	0.00
411	4X4	12	0	+Z	+X	0	0	0.00
412	4X4	12	0	+Z	+X	0	0	0.00
414	4X4	12	0	+Z	+X	0	0	0.00
415	4X4	12	0	+Z	+X	0	0	0.00
416	4X4	12	0	+Z	+X	0	0	0.00
417	2X2X4	12	0	+Z	+X	0	0	0.00
418	2X2X4	12	0	+Z	+X	0	0	0.00
419	2X2X4	12	0	+Z	+X	0	0	0.00
420	4X4	12	0	+Z	+X	0	0	0.00

421	2X2X4	12	0	+Z	+X	0	0	0.00
422	2X2X4	12	0	+Z	+X	0	0	0.00
423	2X2X4	12	0	+Z	+X	0	0	0.00
424	2X2X4	12	0	+Z	+X	0	0	0.00
425	4X4	12	0	+Z	+X	0	0	0.00
426	2X2X4	12	0	+Z	+X	0	0	0.00
427	2X2X4	12	0	+Z	+X	0	0	0.00
428	4X4	12	0	+Z	+X	0	0	0.00
429	2X2X4	12	0	+Z	+X	0	0	0.00
430	2X2X4	12	0	+Z	+X	0	0	0.00
431	2X2X4	12	0	+Z	+X	0	0	0.00
432	2X8	12	0	+Z	+X	0	0	0.00
433	4X4	12	0	+Z	+X	0	0	0.00
434	4X4	12	0	+Z	+X	0	0	0.00
435	4X4	12	0	+Z	+X	0	0	0.00
436	4X4	12	0	+Z	+X	0	0	0.00
437	4X4	12	0	+Z	+X	0	0	0.00
438	4X4	12	0	+Z	+X	0	0	0.00
439	4X4	12	0	+Z	+X	0	0	0.00
440	4X4	12	0	+Z	+X	0	0	0.00
441	4X4	12	0	+Z	+X	0	0	0.00
442	4X4	12	0	+Z	+X	0	0	0.00
443	4X4	12	0	+Z	+X	0	0	0.00
444	4X4	12	0	+Z	+X	0	0	0.00
445	4X4	12	0	+Z	+X	0	0	0.00
446	4X4	12	0	+Z	+X	0	0	0.00
448	4X4	12	0	+Z	+X	0	0	0.00
449	4X4	12	0	+Z	+X	0	0	0.00
450	4X4	12	0	+Z	+X	0	0	0.00
451	2X2X4	12	0	+Z	+X	0	0	0.00
452	4X4	12	0	+Z	+X	0	0	0.00
453	2X2X4	12	0	+Z	+X	0	0	0.00
454	2X2X4	12	0	+Z	+X	0	0	0.00
455	2X2X4	12	0	+Z	+X	0	0	0.00
456	2X2X4	12	0	+Z	+X	0	0	0.00
457	2X2X4	12	0	+Z	+X	0	0	0.00
458	2X2X4	12	0	+Z	+X	0	0	0.00
459	2X2X4	12	0	+Z	+X	0	0	0.00
460	2X2X4	12	0	+Z	+X	0	0	0.00
461	2X2X4	12	0	+Z	+X	0	0	0.00
462	2X2X4	12	0	+Z	+X	0	0	0.00
463	2X2X4	12	0	+Z	+X	0	0	0.00
464	4X4	12	0	+Z	+X	0	0	0.00
465	2X2X4	12	0	+Z	+X	0	0	0.00
466	4X4	12	0	+Z	+X	0	0	0.00
467	2X2X4	12	0	+Z	+X	0	0	0.00
468	2X2X4	12	0	+Z	+X	0	0	0.00
469	2X8	12	0	+Z	+X	0	0	0.00
470	4X4	12	0	+Z	+X	0	0	0.00
471	4X4	12	0	+Z	+X	0	0	0.00
472	4X4	12	0	+Z	+X	0	0	0.00
473	4X4	12	0	+Z	+X	0	0	0.00
474	4X4	12	0	+Z	+X	0	0	0.00
475	4X4	12	0	+Z	+X	0	0	0.00
476	4X4	12	0	+Z	+X	0	0	0.00
477	4X4	12	0	+Z	+X	0	0	0.00
478	4X4	12	0	+Z	+X	0	0	0.00
479	4X4	12	0	+Z	+X	0	0	0.00
480	4X4	12	0	+Z	+X	0	0	0.00
481	4X4	12	0	+Z	+X	0	0	0.00
482	4X4	12	0	+Z	+X	0	0	0.00
483	4X4	12	0	+Z	+X	0	0	0.00
485	4X4	12	0	+Z	+X	0	0	0.00

486	4X4	12	0	+Z	+X	0	0	0.00
487	4X4	12	0	+Z	+X	0	0	0.00
488	4X4	12	0	+Z	+X	0	0	0.00
489	2X2X4	12	0	+Z	+X	0	0	0.00
490	2X2X4	12	0	+Z	+X	0	0	0.00
491	2X2X4	12	0	+Z	+X	0	0	0.00
492	2X2X4	12	0	+Z	+X	0	0	0.00
493	2X2X4	12	0	+Z	+X	0	0	0.00
494	2X2X4	12	0	+Z	+X	0	0	0.00
495	2X2X4	12	0	+Z	+X	0	0	0.00
496	2X2X4	12	0	+Z	+X	0	0	0.00
497	2X2X4	12	0	+Z	+X	0	0	0.00
498	2X2X4	12	0	+Z	+X	0	0	0.00
499	4X4	12	0	+Z	+X	0	0	0.00
500	2X2X4	12	0	+Z	+X	0	0	0.00
501	2X2X4	12	0	+Z	+X	0	0	0.00
502	4X4	12	0	+Z	+X	0	0	0.00
503	2X8	12	0	+Z	+X	0	0	0.00
504	4X4	12	0	+Z	+X	0	0	0.00
505	4X4	12	0	+Z	+X	0	0	0.00
506	4X4	12	0	+Z	+X	0	0	0.00
507	4X4	12	0	+Z	+X	0	0	0.00
508	4X4	12	0	+Z	+X	0	0	0.00
509	4X4	12	0	+Z	+X	0	0	0.00
510	4X4	12	0	+Z	+X	0	0	0.00
511	4X4	12	0	+Z	+X	0	0	0.00
512	4X4	12	0	+Z	+X	0	0	0.00
513	4X4	12	0	+Z	+X	0	0	0.00
514	4X4	12	0	+Z	+X	0	0	0.00
515	4X4	12	0	+Z	+X	0	0	0.00
516	4X4	12	0	+Z	+X	0	0	0.00
517	4X4	12	0	+Z	+X	0	0	0.00
519	4X4	12	0	+Z	+X	0	0	0.00
520	4X4	12	0	+Z	+X	0	0	0.00
521	4X4	12	0	+Z	+X	0	0	0.00
522	4X4	12	0	+Z	+X	0	0	0.00
523	4X4	12	0	+Z	+X	0	0	0.00
524	4X4	12	0	+Z	+X	0	0	0.00
525	4X4	12	0	+Z	+X	0	0	0.00
526	4X4	12	0	+Z	+X	0	0	0.00
527	4X4	12	0	+Z	+X	0	0	0.00
528	4X4	12	0	+Z	+X	0	0	0.00
529	4X4	12	0	+Z	+X	0	0	0.00
530	4X4	12	0	+Z	+X	0	0	0.00
531	4X4	12	0	+Z	+X	0	0	0.00
532	4X4	12	0	+Z	+X	0	0	0.00
533	4X4	12	0	+Z	+X	0	0	0.00
534	4X4	12	0	+Z	+X	0	0	0.00
535	4X4	12	0	+Z	+X	0	0	0.00
536	4X4	12	0	+Z	+X	0	0	0.00
537	4X4	12	0	+Z	+X	0	0	0.00
538	4X4	12	0	+Z	+X	0	0	0.00
539	4X4	12	0	+Z	+X	0	0	0.00
540	4X4	12	0	+Z	+X	0	0	0.00
541	4X4	12	0	+Z	+X	0	0	0.00
542	4X4	12	0	+Z	+X	0	0	0.00
543	4X4	12	0	+Z	+X	0	0	0.00
544	4X4	12	0	+Z	+X	0	0	0.00
545	4X4	12	0	+Z	+X	0	0	0.00
546	4X4	12	0	+Z	+X	0	0	0.00
547	4X4	12	0	+Z	+X	0	0	0.00
548	4X4	12	0	+Z	+X	0	0	0.00
549	4X4	12	0	+Z	+X	0	0	0.00

550	4X4	12	0	+Z	+X	0	0	0.00
551	4X4	12	0	+Z	+X	0	0	0.00
552	4X4	12	0	+Z	+X	0	0	0.00

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PROGRAM:SAP2000/FILE:\BentBSeismic.EKO

F R A M E E L E M E N T D A T A

ELEMENT LABEL	END-I RELEASE CODES		END-J RELEASE CODES	
18	R2	R3	R2	R3
19	R2	R3	R2	R3
20	R2	R3	R2	R3
21	R2	R3	R2	R3
22	R2	R3	R2	R3
23	R2	R3	R2	R3
24	R2	R3	R2	R3
25	R2	R3	R2	R3
26	R2	R3	R2	R3
27	R2	R3	R2	R3
28	R2	R3	R2	R3
29	R2	R3	R2	R3
30	R2	R3	R2	R3
31	R2	R3	R2	R3
32	R2	R3	R2	R3
51	R2	R3	R2	R3
52	R2	R3	R2	R3
53	R2	R3	R2	R3
54	R2	R3	R2	R3
55	R2	R3	R2	R3
56	R2	R3	R2	R3
57	R2	R3	R2	R3
58	R2	R3	R2	R3
59	R2	R3	R2	R3
60	R2	R3	R2	R3
61	R2	R3	R2	R3
62	R2	R3	R2	R3
63	R2	R3	R2	R3
64	R2	R3	R2	R3
65	R2	R3	R2	R3
66	R2	R3	R2	R3
67	R2	R3	R2	R3
68	R2	R3	R2	R3
69	R2	R3	R2	R3
70	R2	R3	R2	R3
89	R2	R3	R2	R3
90	R2	R3		
91	R2	R3		
92	R2	R3	R2	R3
93	R2	R3	R2	R3
94	R2	R3	R2	R3
95	R2	R3	R2	R3
96	R2	R3	R2	R3
97	R2	R3	R2	R3
98	R2	R3	R2	R3
99	R2	R3	R2	R3
100	R2	R3	R2	R3
101	R2	R3	R2	R3
102	R2	R3	R2	R3

103	R2	R3	R2	R3
104	R2	R3	R2	R3
105	R2	R3	R2	R3
106	R2	R3	R2	R3
107			R2	R3
108			R2	R3
109	R2	R3	R2	R3
128	R2	R3	R2	R3
129	R2	R3	R2	R3
130	R2	R3	R2	R3
131	R2	R3	R2	R3
132	R2	R3	R2	R3
133	R2	R3	R2	R3
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137	R2	R3	R2	R3
138	R2	R3	R2	R3
139	R2	R3	R2	R3
140	R2	R3	R2	R3
141	R2	R3	R2	R3
142	R2	R3	R2	R3
143	R2	R3	R2	R3
162	R2	R3	R2	R3
163	R2	R3	R2	R3
164	R2	R3	R2	R3
165	R2	R3	R2	R3
166	R2	R3	R2	R3
167	R2	R3	R2	R3
168	R2	R3	R2	R3
169	R2	R3	R2	R3
170	R2	R3	R2	R3
171	R2	R3	R2	R3
172	R2	R3	R2	R3
173	R2	R3	R2	R3
174	R2	R3	R2	R3
175	R2	R3	R2	R3
176	R2	R3	R2	R3
177	R2	R3	R2	R3
178	R2	R3	R2	R3
197	R2	R3	R2	R3
198	R2	R3	R2	R3
199	R2	R3	R2	R3
200	R2	R3	R2	R3
201	R2	R3	R2	R3
202	R2	R3	R2	R3
203	R2	R3	R2	R3
204	R2	R3	R2	R3
205	R2	R3	R2	R3
206	R2	R3	R2	R3
207	R2	R3	R2	R3
208	R2	R3	R2	R3
209	R2	R3	R2	R3
210	R2	R3	R2	R3
211	R2	R3	R2	R3
212	R2	R3	R2	R3
213	R2	R3	R2	R3
214	R2	R3	R2	R3
215	R2	R3	R2	R3
235	R2	R3	R2	R3
236	R2	R3	R2	R3
237	R2	R3	R2	R3
238	R2	R3	R2	R3

239	R2	R3	R2	R3
240	R2	R3	R2	R3
241	R2	R3	R2	R3
242	R2	R3	R2	R3
243	R2	R3	R2	R3
244	R2	R3	R2	R3
245	R2	R3	R2	R3
246	R2	R3	R2	R3
247	R2	R3	R2	R3
248	R2	R3	R2	R3
249	R2	R3	R2	R3
250	R2	R3	R2	R3
251	R2	R3	R2	R3
252	R2	R3	R2	R3
253	R2	R3	R2	R3
272	R2	R3	R2	R3
273	R2	R3	R2	R3
274	R2	R3	R2	R3
275	R2	R3	R2	R3
276	R2	R3	R2	R3
277	R2	R3	R2	R3
278	R2	R3	R2	R3
279	R2	R3	R2	R3
280	R2	R3	R2	R3
281	R2	R3	R2	R3
282	R2	R3	R2	R3
283	R2	R3	R2	R3
284	R2	R3	R2	R3
285	R2	R3	R2	R3
286	R2	R3	R2	R3
287	R2	R3	R2	R3
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289	R2	R3	R2	R3
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323	R2	R3	R2	R3
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346	R2	R3	R2	R3
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349	R2	R3	R2	R3
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351	R2	R3	R2	R3
352	R2	R3	R2	R3
353	R2	R3	R2	R3
354	R2	R3	R2	R3
355	R2	R3	R2	R3

356	R2	R3	R2	R3
357	R2	R3	R2	R3
358	R2	R3	R2	R3
359	R2	R3	R2	R3
360	R2	R3	R2	R3
361	R2	R3	R2	R3
380	R2	R3	R2	R3
381	R2	R3	R2	R3
382	R2	R3	R2	R3
383	R2	R3	R2	R3
384	R2	R3	R2	R3
385	R2	R3	R2	R3
386	R2	R3	R2	R3
387	R2	R3	R2	R3
388	R2	R3	R2	R3
389	R2	R3	R2	R3
390	R2	R3	R2	R3
391	R2	R3	R2	R3
392	R2	R3	R2	R3
393	R2	R3	R2	R3
394	R2	R3	R2	R3
395	R2	R3	R2	R3
396	R2	R3	R2	R3
397	R2	R3	R2	R3
398	R2	R3	R2	R3
417	R2	R3	R2	R3
418	R2	R3	R2	R3
419	R2	R3	R2	R3
420	R2	R3	R2	R3
421	R2	R3	R2	R3
422	R2	R3	R2	R3
423	R2	R3	R2	R3
424	R2	R3	R2	R3
425	R2	R3	R2	R3
426	R2	R3	R2	R3
427	R2	R3	R2	R3
428	R2	R3	R2	R3
429	R2	R3	R2	R3
430	R2	R3	R2	R3
431	R2	R3	R2	R3
432	R2	R3	R2	R3
451	R2	R3	R2	R3
452	R2	R3	R2	R3
453	R2	R3	R2	R3
454	R2	R3	R2	R3
455	R2	R3	R2	R3
456	R2	R3	R2	R3
457	R2	R3	R2	R3
458	R2	R3	R2	R3
459	R2	R3	R2	R3
460	R2	R3	R2	R3
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462	R2	R3	R2	R3
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465	R2	R3	R2	R3
466	R2	R3	R2	R3
467	R2	R3	R2	R3
468	R2	R3	R2	R3
469	R2	R3	R2	R3
488	R2	R3	R2	R3
489	R2	R3	R2	R3
490	R2	R3	R2	R3

491	R2	R3	R2	R3
492	R2	R3	R2	R3
493	R2	R3	R2	R3
494	R2	R3	R2	R3
495	R2	R3	R2	R3
496	R2	R3	R2	R3
497	R2	R3	R2	R3
498	R2	R3	R2	R3
499	R2	R3	R2	R3
500	R2	R3	R2	R3
501	R2	R3	R2	R3
502	R2	R3	R2	R3
503	R2	R3	R2	R3

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T O T A L W E I G H T S A N D M A S S E S

SECTION LABEL	WEIGHT	MASS
4X4	3261.9373	8.4420
2X2X4	2525.9111	6.5371
2X8	203.0000	0.5254
2X2X8	116.0000	0.3002
TOTAL	6106.8484	15.8046

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L O A D C O N D I T I O N DEAD

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.1000E+01

L O A D C O N D I T I O N MANIFOLD

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
N1	0.000E+00	0.000E+00	-0.189E+04	0.000E+00	0.000E+00	0.000E+00
N2	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N3	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N4	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N5	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N6	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N7	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N8	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N9	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N10	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N11	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N12	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N13	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N14	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00

N15	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N TBAR

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
1FIL1	0.000E+00	0.000E+00	-0.129E+03	0.000E+00	0.000E+00	0.000E+00
1FIL2	0.000E+00	0.000E+00	-0.258E+03	0.000E+00	0.000E+00	0.000E+00
1FIL3	0.000E+00	0.000E+00	-0.258E+03	0.000E+00	0.000E+00	0.000E+00
1FIL4	0.000E+00	0.000E+00	-0.258E+03	0.000E+00	0.000E+00	0.000E+00
1FIL5	0.000E+00	0.000E+00	-0.258E+03	0.000E+00	0.000E+00	0.000E+00
1FIL6	0.000E+00	0.000E+00	-0.258E+03	0.000E+00	0.000E+00	0.000E+00
1FIL7	0.000E+00	0.000E+00	-0.258E+03	0.000E+00	0.000E+00	0.000E+00
1FIL8	0.000E+00	0.000E+00	-0.258E+03	0.000E+00	0.000E+00	0.000E+00
1FIL9	0.000E+00	0.000E+00	-0.258E+03	0.000E+00	0.000E+00	0.000E+00
2FIL1	0.000E+00	0.000E+00	-0.295E+03	0.000E+00	0.000E+00	0.000E+00
2FIL2	0.000E+00	0.000E+00	-0.589E+03	0.000E+00	0.000E+00	0.000E+00
2FIL3	0.000E+00	0.000E+00	-0.589E+03	0.000E+00	0.000E+00	0.000E+00
2FIL4	0.000E+00	0.000E+00	-0.589E+03	0.000E+00	0.000E+00	0.000E+00
2FIL5	0.000E+00	0.000E+00	-0.589E+03	0.000E+00	0.000E+00	0.000E+00
2FIL6	0.000E+00	0.000E+00	-0.589E+03	0.000E+00	0.000E+00	0.000E+00
2FIL7	0.000E+00	0.000E+00	-0.589E+03	0.000E+00	0.000E+00	0.000E+00
2FIL8	0.000E+00	0.000E+00	-0.589E+03	0.000E+00	0.000E+00	0.000E+00
2FIL9	0.000E+00	0.000E+00	-0.589E+03	0.000E+00	0.000E+00	0.000E+00
3FIL1	0.000E+00	0.000E+00	-0.299E+03	0.000E+00	0.000E+00	0.000E+00
3FIL2	0.000E+00	0.000E+00	-0.597E+03	0.000E+00	0.000E+00	0.000E+00
3FIL3	0.000E+00	0.000E+00	-0.597E+03	0.000E+00	0.000E+00	0.000E+00
3FIL4	0.000E+00	0.000E+00	-0.597E+03	0.000E+00	0.000E+00	0.000E+00
3FIL5	0.000E+00	0.000E+00	-0.597E+03	0.000E+00	0.000E+00	0.000E+00
3FIL6	0.000E+00	0.000E+00	-0.597E+03	0.000E+00	0.000E+00	0.000E+00
3FIL7	0.000E+00	0.000E+00	-0.597E+03	0.000E+00	0.000E+00	0.000E+00
3FIL8	0.000E+00	0.000E+00	-0.597E+03	0.000E+00	0.000E+00	0.000E+00
3FIL9	0.000E+00	0.000E+00	-0.597E+03	0.000E+00	0.000E+00	0.000E+00
4FIL1	0.000E+00	0.000E+00	-0.284E+03	0.000E+00	0.000E+00	0.000E+00
4FIL2	0.000E+00	0.000E+00	-0.568E+03	0.000E+00	0.000E+00	0.000E+00
4FIL3	0.000E+00	0.000E+00	-0.568E+03	0.000E+00	0.000E+00	0.000E+00
4FIL4	0.000E+00	0.000E+00	-0.568E+03	0.000E+00	0.000E+00	0.000E+00
4FIL5	0.000E+00	0.000E+00	-0.568E+03	0.000E+00	0.000E+00	0.000E+00
4FIL6	0.000E+00	0.000E+00	-0.568E+03	0.000E+00	0.000E+00	0.000E+00
4FIL7	0.000E+00	0.000E+00	-0.568E+03	0.000E+00	0.000E+00	0.000E+00
4FIL8	0.000E+00	0.000E+00	-0.568E+03	0.000E+00	0.000E+00	0.000E+00
4FIL9	0.000E+00	0.000E+00	-0.568E+03	0.000E+00	0.000E+00	0.000E+00
5FIL1	0.000E+00	0.000E+00	-0.810E+02	0.000E+00	0.000E+00	0.000E+00
5FIL2	0.000E+00	0.000E+00	-0.162E+03	0.000E+00	0.000E+00	0.000E+00
5FIL3	0.000E+00	0.000E+00	-0.162E+03	0.000E+00	0.000E+00	0.000E+00
5FIL4	0.000E+00	0.000E+00	-0.162E+03	0.000E+00	0.000E+00	0.000E+00
5FIL5	0.000E+00	0.000E+00	-0.162E+03	0.000E+00	0.000E+00	0.000E+00
5FIL6	0.000E+00	0.000E+00	-0.162E+03	0.000E+00	0.000E+00	0.000E+00
5FIL7	0.000E+00	0.000E+00	-0.162E+03	0.000E+00	0.000E+00	0.000E+00
5FIL8	0.000E+00	0.000E+00	-0.162E+03	0.000E+00	0.000E+00	0.000E+00
5FIL9	0.000E+00	0.000E+00	-0.162E+03	0.000E+00	0.000E+00	0.000E+00
1FIL10	0.000E+00	0.000E+00	-0.258E+03	0.000E+00	0.000E+00	0.000E+00
1FIL11	0.000E+00	0.000E+00	-0.258E+03	0.000E+00	0.000E+00	0.000E+00
1FIL12	0.000E+00	0.000E+00	-0.258E+03	0.000E+00	0.000E+00	0.000E+00
1FIL13	0.000E+00	0.000E+00	-0.258E+03	0.000E+00	0.000E+00	0.000E+00
1FIL14	0.000E+00	0.000E+00	-0.258E+03	0.000E+00	0.000E+00	0.000E+00
1FIL15	0.000E+00	0.000E+00	-0.258E+03	0.000E+00	0.000E+00	0.000E+00
2FIL10	0.000E+00	0.000E+00	-0.589E+03	0.000E+00	0.000E+00	0.000E+00

2FIL11	0.000E+00	0.000E+00	-0.589E+03	0.000E+00	0.000E+00	0.000E+00
2FIL12	0.000E+00	0.000E+00	-0.589E+03	0.000E+00	0.000E+00	0.000E+00
2FIL13	0.000E+00	0.000E+00	-0.589E+03	0.000E+00	0.000E+00	0.000E+00
2FIL14	0.000E+00	0.000E+00	-0.589E+03	0.000E+00	0.000E+00	0.000E+00
2FIL15	0.000E+00	0.000E+00	-0.589E+03	0.000E+00	0.000E+00	0.000E+00
3FIL10	0.000E+00	0.000E+00	-0.597E+03	0.000E+00	0.000E+00	0.000E+00
3FIL11	0.000E+00	0.000E+00	-0.597E+03	0.000E+00	0.000E+00	0.000E+00
3FIL12	0.000E+00	0.000E+00	-0.597E+03	0.000E+00	0.000E+00	0.000E+00
3FIL13	0.000E+00	0.000E+00	-0.597E+03	0.000E+00	0.000E+00	0.000E+00
3FIL14	0.000E+00	0.000E+00	-0.597E+03	0.000E+00	0.000E+00	0.000E+00
3FIL15	0.000E+00	0.000E+00	-0.597E+03	0.000E+00	0.000E+00	0.000E+00
4FIL10	0.000E+00	0.000E+00	-0.568E+03	0.000E+00	0.000E+00	0.000E+00
4FIL11	0.000E+00	0.000E+00	-0.568E+03	0.000E+00	0.000E+00	0.000E+00
4FIL12	0.000E+00	0.000E+00	-0.568E+03	0.000E+00	0.000E+00	0.000E+00
4FIL13	0.000E+00	0.000E+00	-0.568E+03	0.000E+00	0.000E+00	0.000E+00
4FIL14	0.000E+00	0.000E+00	-0.568E+03	0.000E+00	0.000E+00	0.000E+00
4FIL15	0.000E+00	0.000E+00	-0.568E+03	0.000E+00	0.000E+00	0.000E+00
5FIL10	0.000E+00	0.000E+00	-0.162E+03	0.000E+00	0.000E+00	0.000E+00
5FIL11	0.000E+00	0.000E+00	-0.162E+03	0.000E+00	0.000E+00	0.000E+00
5FIL12	0.000E+00	0.000E+00	-0.162E+03	0.000E+00	0.000E+00	0.000E+00
5FIL13	0.000E+00	0.000E+00	-0.162E+03	0.000E+00	0.000E+00	0.000E+00
5FIL14	0.000E+00	0.000E+00	-0.162E+03	0.000E+00	0.000E+00	0.000E+00
5FIL15	0.000E+00	0.000E+00	-0.162E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N TOPCOVER

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
P1	0.000E+00	0.000E+00	-0.873E+03	0.000E+00	0.000E+00	0.000E+00
P2	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00
P3	0.000E+00	0.000E+00	-0.153E+04	0.000E+00	0.000E+00	0.000E+00
P4	0.000E+00	0.000E+00	-0.109E+04	0.000E+00	0.000E+00	0.000E+00
P5	0.000E+00	0.000E+00	-0.109E+04	0.000E+00	0.000E+00	0.000E+00
P6	0.000E+00	0.000E+00	-0.153E+04	0.000E+00	0.000E+00	0.000E+00
P7	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00
P8	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00
P9	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.153E+04	0.000E+00	0.000E+00	0.000E+00
P11	0.000E+00	0.000E+00	-0.109E+04	0.000E+00	0.000E+00	0.000E+00
P12	0.000E+00	0.000E+00	-0.109E+04	0.000E+00	0.000E+00	0.000E+00
P13	0.000E+00	0.000E+00	-0.153E+04	0.000E+00	0.000E+00	0.000E+00
P14	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00
P15	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N PEWALLS

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
D1	0.000E+00	0.000E+00	-0.330E+02	0.000E+00	0.000E+00	0.000E+00
E1	0.000E+00	0.000E+00	-0.940E+02	0.000E+00	0.000E+00	0.000E+00
E8	0.000E+00	0.000E+00	-0.221E+03	0.000E+00	0.000E+00	0.000E+00
F1	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
F8	0.000E+00	0.000E+00	-0.284E+03	0.000E+00	0.000E+00	0.000E+00

G1	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
G8	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
H1	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
H8	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
I1	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
I8	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
J1	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
J8	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
K1	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
K8	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
L1	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
L8	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
M1	0.000E+00	0.000E+00	-0.790E+02	0.000E+00	0.000E+00	0.000E+00
M8	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
N1	0.000E+00	0.000E+00	-0.124E+03	0.000E+00	0.000E+00	0.000E+00
N8	0.000E+00	0.000E+00	-0.292E+03	0.000E+00	0.000E+00	0.000E+00
P1	0.000E+00	0.000E+00	-0.105E+03	0.000E+00	0.000E+00	0.000E+00
P8	0.000E+00	0.000E+00	-0.248E+03	0.000E+00	0.000E+00	0.000E+00
E15	0.000E+00	0.000E+00	-0.221E+03	0.000E+00	0.000E+00	0.000E+00
F15	0.000E+00	0.000E+00	-0.284E+03	0.000E+00	0.000E+00	0.000E+00
G15	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
H15	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
I15	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
J15	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
K15	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
L15	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
M15	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
N15	0.000E+00	0.000E+00	-0.292E+03	0.000E+00	0.000E+00	0.000E+00
P15	0.000E+00	0.000E+00	-0.248E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N HOTBASIN

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
N1	0.000E+00	0.000E+00	-0.414E+03	0.000E+00	0.000E+00	0.000E+00
N2	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N3	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N4	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N5	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N6	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N7	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N8	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N9	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N10	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N11	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N12	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N13	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N14	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N15	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N DRIFTELM

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3

DE1	0.000E+00	0.000E+00	-0.280E+02	0.000E+00	0.000E+00	0.000E+00
DE2	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00
DE3	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00
DE4	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00
DE5	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00
DE6	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00
DE7	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00
DE8	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00
DE9	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00
DE10	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00
DE11	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00
DE12	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00
DE13	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00
DE14	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00
DE15	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00
4FIL1	0.000E+00	0.000E+00	-0.270E+02	0.000E+00	0.000E+00	0.000E+00
4FIL2	0.000E+00	0.000E+00	-0.540E+02	0.000E+00	0.000E+00	0.000E+00
4FIL3	0.000E+00	0.000E+00	-0.540E+02	0.000E+00	0.000E+00	0.000E+00
4FIL4	0.000E+00	0.000E+00	-0.540E+02	0.000E+00	0.000E+00	0.000E+00
4FIL5	0.000E+00	0.000E+00	-0.540E+02	0.000E+00	0.000E+00	0.000E+00
4FIL6	0.000E+00	0.000E+00	-0.540E+02	0.000E+00	0.000E+00	0.000E+00
4FIL7	0.000E+00	0.000E+00	-0.540E+02	0.000E+00	0.000E+00	0.000E+00
4FIL8	0.000E+00	0.000E+00	-0.540E+02	0.000E+00	0.000E+00	0.000E+00
4FIL9	0.000E+00	0.000E+00	-0.540E+02	0.000E+00	0.000E+00	0.000E+00
4FIL10	0.000E+00	0.000E+00	-0.540E+02	0.000E+00	0.000E+00	0.000E+00
4FIL11	0.000E+00	0.000E+00	-0.540E+02	0.000E+00	0.000E+00	0.000E+00
4FIL12	0.000E+00	0.000E+00	-0.540E+02	0.000E+00	0.000E+00	0.000E+00
4FIL13	0.000E+00	0.000E+00	-0.540E+02	0.000E+00	0.000E+00	0.000E+00
4FIL14	0.000E+00	0.000E+00	-0.540E+02	0.000E+00	0.000E+00	0.000E+00
4FIL15	0.000E+00	0.000E+00	-0.540E+02	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N FANMOTOR

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
P3	0.000E+00	0.000E+00	-0.425E+03	0.000E+00	0.000E+00	0.000E+00
P4	0.000E+00	0.000E+00	-0.127E+04	0.000E+00	0.000E+00	0.000E+00
P5	0.000E+00	0.000E+00	-0.127E+04	0.000E+00	0.000E+00	0.000E+00
P6	0.000E+00	0.000E+00	-0.425E+03	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.425E+03	0.000E+00	0.000E+00	0.000E+00
P11	0.000E+00	0.000E+00	-0.127E+04	0.000E+00	0.000E+00	0.000E+00
P12	0.000E+00	0.000E+00	-0.127E+04	0.000E+00	0.000E+00	0.000E+00
P13	0.000E+00	0.000E+00	-0.425E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N CABLETRY

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

L O A D C O N D I T I O N LOUVERWL

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

L O A D C O N D I T I O N SECDIST

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
DE3	0.000E+00	0.000E+00	-0.320E+03	0.000E+00	0.000E+00	0.000E+00
DE4	0.000E+00	0.000E+00	-0.160E+03	0.000E+00	0.000E+00	0.000E+00

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F U N C T I O N D A T A

FUNCTION LABEL = 5DAMP
TIME INCREMENT = 0.000

TIME	VALUE	TIME	VALUE	TIME	VALUE	TIME	VALUE
0.010	0.813E-01	0.011	0.822E-01	0.012	0.830E-01	0.013	0.839E-01
0.014	0.848E-01	0.015	0.858E-01	0.016	0.865E-01	0.017	0.877E-01
0.019	0.887E-01	0.020	0.897E-01	0.022	0.907E-01	0.024	0.917E-01
0.026	0.927E-01	0.029	0.942E-01	0.033	0.958E-01	0.037	0.972E-01
0.041	0.985E-01	0.045	0.996E-01	0.050	0.101E+00	0.055	0.103E+00
0.062	0.104E+00	0.068	0.105E+00	0.074	0.106E+00	0.082	0.108E+00
0.090	0.109E+00	0.098	0.110E+00	0.106	0.111E+00	0.117	0.112E+00
0.129	0.113E+00	0.142	0.114E+00	0.155	0.114E+00	0.168	0.114E+00
0.181	0.115E+00	0.197	0.114E+00	0.216	0.114E+00	0.238	0.114E+00
0.258	0.113E+00	0.279	0.112E+00	0.302	0.110E+00	0.329	0.109E+00
0.355	0.107E+00	0.381	0.106E+00	0.410	0.104E+00	0.439	0.102E+00
0.466	0.998E-01	0.493	0.974E-01	0.522	0.947E-01	0.550	0.924E-01
0.582	0.897E-01	0.614	0.868E-01	0.649	0.844E-01	0.681	0.813E-01
0.714	0.790E-01	0.753	0.763E-01	0.787	0.737E-01	0.824	0.714E-01
0.865	0.685E-01	0.906	0.659E-01	0.946	0.637E-01	0.979	0.614E-01

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M O D E S D A T A

NUMBER OF EIGENVALUES 1000

EIGEN CONVERGENCE TOLERANCE 0.1000E-04
EIGEN CUTOFF FREQUENCY 0.3300E+02
EIGEN FREQUENCY SHIFT 0.0000E+00
INCLUDE RESIDUAL-MASS MODES YES

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R E S P O N S E S P E C T R U M D A T A

SPEC LABEL	HORIZ	ACC DIR	FUNCTION FACTOR	FUNCTION LABEL
DAMPING RATIO	0.050			
DIRECTION FACTOR	0.000	U1	772.80	5DAMP
MODAL COMBINATION	CQC	U2	0.00	0
COORDINATE SYSTEM	0	U3	0.00	0
COORDINATE ANGLE	0			

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L O A D C O M B I N A T I O N M U L T I P L I E R S

COMBO LABEL DEADLOAD
COMBO TYPE ABS

LOAD LABEL	MODE NUM	SPEC LABEL	HIST LABEL	MOVE LABEL	COMBO LABEL	SCALE FACTOR
DEAD						1.000
MANIFOLD						1.000
TBAR						1.000
TOPCOVER						1.000
PEWALLS						1.000
HOTBASIN						1.000
DRIFTELM						1.000
FANMOTOR						1.000
CABLETRY						1.000
LOUVERWL						1.000
SECDIST						1.000

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 26
PROGRAM:SAP2000/FILE:\BentBSeismic.EKO

O U T P U T S E L E C T I O N

DISPLACEMENTS AT JOINTS

LOAD LABEL	MODES	SPEC LABEL	HIST LABEL	MOVE LABEL	COMB LABEL
		HORIZ			

REACTIONS AT JOINTS

LOAD LABEL	MODES	SPEC LABEL	HIST LABEL	MOVE LABEL	COMB LABEL
		HORIZ			

INTERNAL FORCES AT ELEMENT FRAME

LOAD LABEL	MODES	SPEC LABEL	HIST LABEL	MOVE LABEL	COMB LABEL
		HORIZ			

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 27
PROGRAM:SAP2000/FILE:\BentBSeismic.EKO

I N P U T C O M P L E T E

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Program SAP2000 Nonlinear Version 7.40                 File:Bent B Seismic.LOG


B E G I N   A N A L Y S I S                              2005/04/04  16:52:47

MAXIMUM MEMORY BLOCK SIZE (BYTES)         =       7.629 MB


E L E M E N T   F O R M A T I O N                                    16:52:47

NUMBER OF JOINT  ELEMENTS FORMED          =         148
NUMBER OF SPRING ELEMENTS FORMED          =           4
NUMBER OF FRAME  ELEMENTS FORMED          =         537
NUMBER OF CONSTRAINTS FORMED              =          18


E Q U A T I O N   S O L U T I O N                                    16:52:50

TOTAL NUMBER OF EQUILIBRIUM EQUATIONS     =         852
APPROXIMATE "EFFECTIVE" BAND WIDTH        =          37

NUMBER OF EQUATION STORAGE BLOCKS         =           1
MAXIMUM BLOCK SIZE (8-BYTE TERMS)         =       32205
SIZE OF STIFFNESS FILE(S) (BYTES)         =     254.945 KB

NUMBER OF EQUATIONS TO SOLVE              =         852
NUMBER OF STATIC LOAD CASES               =          11
NUMBER OF ACCELERATION LOADS              =           6
NUMBER OF NONLINEAR DEFORMATION LOADS     =           0


E I G E N   A N A L Y S I S                                          16:52:51

NUMBER OF STIFFNESS DEGREES OF FREEDOM    =         852
NUMBER OF MASS DEGREES OF FREEDOM         =         547
NUMBER OF EIGEN MODES SOUGHT              =         998
NUMBER OF RESIDUAL-MASS MODES SOUGHT      =           2
NUMBER OF SUBSPACE VECTORS USED           =          20

RELATIVE CONVERGENCE TOLERANCE            =    1.00E-05
FREQUENCY SHIFT  (CENTER) (CYC/TIME)      =     .000000
FREQUENCY CUTOFF (RADIUS) (CYC/TIME)      =   33.000000

* * * W A R N I N G * * *
NUMBER OF MODES SOUGHT REDUCED TO THE NUMBER OF MASS DEGREES OF FREEDOM


NUMBER OF EIGEN MODES FOUND               =          84
NUMBER OF ITERATIONS PERFORMED            =         110

NON-ZERO RESIDUAL-MASS MODES SOUGHT       =       UX,UZ
SIGNIFICANT RESIDUAL-MASS MODES FOUND     =       UX,UZ


R E S P O N S E - S P E C T R U M   A N A L Y S I S                  16:53:43

NUMBER OF SPEC ANALYSES PERFORMED         =           1


J O I N T   O U T P U T                                              16:53:43
```

G L O B A L F O R C E B A L A N C E R E L A T I V E E R R O R S

PERCENT FORCE AND MOMENT ERROR AT THE ORIGIN, IN GLOBAL COORDINATES

LOAD	FX	FY	FZ	MX	MY	MZ
DEAD	1.08E-14	1.71E-31	1.19E-13	1.43E-14	2.69E-14	2.34E-15
MANIFOLD	1.39E-14	.000000	8.61E-14	1.75E-14	5.16E-14	3.13E-15
TBAR	7.04E-15	.000000	5.77E-14	1.52E-14	8.14E-14	1.56E-15
TOPCOVER	8.59E-15	.000000	1.00E-13	2.20E-14	6.50E-14	2.00E-15
PEWALLS	3.58E-14	.000000	6.38E-14	1.31E-14	2.31E-14	6.85E-15
HOTBASIN	1.19E-14	.000000	8.33E-14	1.64E-14	4.31E-14	2.63E-15
DRIFTELM	1.70E-14	.000000	2.14E-14	3.42E-15	6.05E-15	3.88E-15
FANMOTOR	5.60E-14	.000000	2.08E-13	4.84E-14	1.24E-13	1.25E-14
CABLETRY	.000000	.000000	.000000	.000000	.000000	.000000
LOUVERWL	.000000	.000000	.000000	.000000	.000000	.000000
SECDIST	6.80E-14	.000000	1.30E-13	2.70E-14	6.88E-15	1.57E-14

MODE	FX	FY	FZ	MX	MY	MZ
1	0.003147	.000000	0.001437	0.000286	0.003523	0.000627
2	0.011179	.000000	0.000570	0.000103	0.008607	0.002018
3	0.021593	.000000	0.000943	0.000192	0.020165	0.004387
4	0.011305	.000000	0.000694	0.000151	0.010801	0.002455
5	0.036719	.000000	0.021697	0.003917	0.051386	0.006629
6	0.026316	.000000	0.019864	0.004471	0.050240	0.005924
7	0.124542	.000000	0.043248	0.013678	0.251771	0.039389
8	0.043924	.000000	0.012654	0.002848	0.054423	0.009887
9	0.000551	.000000	0.017131	0.003856	0.012444	0.000124
10	0.087182	.000000	0.017794	0.003212	0.085009	0.015740
11	0.050900	.000000	0.015337	0.002769	0.029170	0.009189
12	0.049467	.000000	0.017505	0.003160	0.024719	0.008931
13	0.044892	.000000	0.281599	0.089062	0.333226	0.014198
14	0.041290	.000000	0.126014	0.022750	0.110178	0.007454
15	0.051700	.000000	0.113292	0.025501	0.122605	0.011637
16	0.052338	.000000	0.179594	0.040426	0.196732	0.011781
17	0.019160	.000000	0.078998	0.024985	0.128329	0.006060
18	0.042131	.000000	0.118355	0.026641	0.140823	0.009483
19	0.376461	.000000	0.461357	0.103849	0.703793	0.084739
20	0.201728	.000000	0.206202	0.046415	0.353720	0.045408
21	0.119090	.000000	0.218586	0.049203	0.343542	0.026807
22	0.101476	.000000	0.000801	0.000180	0.128876	0.022842
23	0.403790	.000000	0.029060	0.006541	0.420195	0.090891
24	0.034924	.000000	0.802067	0.180541	0.618663	0.007861
25	1.937514	.000000	0.531231	0.119577	2.424521	0.436124
26	0.274387	.000000	0.240677	0.054175	0.062887	0.061763
27	0.679814	.000000	2.436568	0.548459	3.123504	0.153023
28	12.226063	.000000	11.933333	3.774197	37.794425	3.866780
29	8.397432	.000000	4.185943	1.323903	17.614374	2.655885
30	9.504214	.000000	3.709548	0.669712	8.515268	1.715867
31	4.773647	.000000	1.172408	0.370802	6.879014	1.509778
32	11.974803	.000000	9.719564	2.187823	31.001658	2.695465
33	3.131308	.000000	3.441816	0.621377	1.557923	0.565319
34	10.712539	.000000	11.925428	3.771697	31.950080	3.388092
35	72.800178	.000000	23.715431	5.145614	46.482871	15.795692
36	2.510110	.000000	11.334779	3.275125	23.621393	0.725283
37	1.548457	.000000	0.936430	0.296168	3.865956	0.489736
38	1.863114	.000000	0.567213	0.179395	3.429157	0.589253
39	4.575231	.000000	1.108682	0.200159	3.327688	0.826001
40	0.004660	.000000	0.025621	0.004626	0.001316	0.000841
41	0.410532	.000000	0.006679	0.001206	0.308237	0.074116
42	1.495926	.000000	0.212515	0.067213	3.646358	0.473122
43	1.920697	.000000	2.920169	0.527200	1.751502	0.346758
44	1.677224	.000000	2.077764	0.375114	3.450295	0.302802
45	2.543479	.000000	10.520565	3.327376	26.815110	0.804435

46	2.156485	.000000	1.466919	0.264834	3.055968	0.389326
47	18.898019	.000000	8.997764	2.180338	37.873762	4.579367
48	2.067729	.000000	37.470086	6.764756	39.132144	0.373303
49	12.309442	.000000	8.444651	1.524576	21.833044	2.222316
50	0.627907	.000000	0.131396	0.023722	0.381896	0.113361
51	0.033707	.000000	0.370974	0.117329	0.722622	0.010661
52	5.275435	.000000	1.537177	0.346011	8.085983	1.187473
53	1.586846	.000000	3.381967	0.610572	3.305098	0.286485
54	0.225125	.000000	2.287331	0.723422	3.565659	0.071201
55	1.463779	.000000	1.275897	0.403532	1.537097	0.462955
56	1.930119	.000000	0.407913	0.129012	5.448975	0.610445
57	6.650266	.000000	2.740695	0.866809	7.958337	2.103303
58	1.056873	.000000	0.637593	0.143519	3.434873	0.237896
59	2.679359	.000000	0.041027	0.010041	6.531400	0.655751
60	14.645388	.000000	0.479430	0.151631	18.982081	4.631948
61	3.743199	.000000	7.229605	2.124998	6.455270	1.100239
62	0.003426	.000000	0.073679	0.016585	0.053675	0.000771
63	0.473025	.000000	0.619225	0.195844	1.713769	0.149605
64	0.079847	.000000	0.299181	0.061307	0.349458	0.016362
65	0.174943	.000000	0.097720	0.030906	0.328995	0.055330
66	0.238058	.000000	0.043301	0.013695	0.645478	0.075291
67	0.192244	.000000	0.009156	0.002061	0.206853	0.043273
68	0.134236	.000000	0.033776	0.006098	0.109927	0.024235
69	0.380924	.000000	0.213512	0.056496	0.245240	0.100795
70	0.199937	.000000	0.184007	0.035018	0.072802	0.038049
71	0.016417	.000000	0.023227	0.004271	0.009438	0.003019
72	0.016355	.000000	0.023492	0.004241	0.022937	0.002953
73	0.044414	.000000	0.107195	0.019353	0.104410	0.008018
74	0.031621	.000000	0.032478	0.005864	0.000954	0.005709
75	0.385381	.000000	0.905372	0.203794	0.962292	0.086747
76	0.732419	.000000	0.256158	0.046246	0.395869	0.132229
77	0.040754	.000000	0.064121	0.011576	0.000455	0.007358
78	0.019617	.000000	0.048652	0.008784	0.005050	0.003542
79	0.042950	.000000	0.183396	0.033110	0.162300	0.007754
80	0.001881	.000000	0.041046	0.007410	0.034813	0.000340
81	0.005315	.000000	0.027425	0.006173	0.013734	0.001196
82	0.051929	.000000	0.051719	0.011642	0.030753	0.011689
83	1.220515	.000000	3.305206	0.779699	0.694276	0.287920
84	0.513514	.000000	0.437715	0.079024	0.420877	0.092709
85	9.845043	.000000	1.113563	0.352191	3.684576	3.113726
86	2.062937	.000000	19.489755	4.387041	16.947055	0.464356

SPEC	FX	FY	FZ	MX	MY	MZ
HORIZ	0.046043	.000000	0.005566	0.001112	0.012024	0.009198

COMB MAX/MIN	FX	FY	FZ	MX	MY	MZ
DEADLOAD	1.46E-14	7.33E-33	8.72E-14	1.87E-14	6.00E-14	3.27E-15
DEADLOAD	1.46E-14	7.33E-33	8.72E-14	1.87E-14	6.00E-14	3.27E-15

E L E M E N T J O I N T - F O R C E O U T P U T 16:53:48

NUMBER OF JOINT ELEMENTS SAVED = 148
NUMBER OF FRAME ELEMENTS SAVED = 537
NUMBER OF SPRING ELEMENTS SAVED = 4

E L E M E N T O U T P U T 16:53:53

NUMBER OF FRAME ELEMENTS SAVED = 537
NUMBER OF FRAME ELEMENTS PRINTED = 537

A N A L Y S I S C O M P L E T E 2005/04/04 16:54:03

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                    S A P 2 0 0 0 (R)

                Structural Analysis Programs

                   Nonlinear Version 7.40

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        It is the responsibility of the user to verify all
                 results produced by this program

                      4 Apr 2005  16:52:47


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                                                                     Page
                                                                        1

D I S P L A C E M E N T   D E G R E E S   O F   F R E E D O M

        (A) = Active DOF, equilibrium equation
        (-) = Restrained DOF, reaction computed
        (+) = Constrained DOF
        (>) = External substructure DOF
        ( ) = Null DOF

 JOINTS              UX  UY  UZ  RX  RY  RZ
      1 TO       4    A       A       A
     A2 TO      A9    -   -   -       A
     B2 TO      C9    A       A       A
     D1               -   -   -       A
     E1 TO      L9    A       A       A
     M1 TO      P1    +       A       A
     P2 TO      P6    A       A       A
     P7               +       A       A
     P8 TO      P9    A       A       A
    A10 TO     A15    -   -   -       A
    B10 TO     L15    A       A       A
    M10 TO     O15    +       A       A
    P10 TO     P14    A       A       A
    P15               +       A       A
   DE10 TO   4FIL9    A       A       A
  5FIL1 TO   5FIL9    +       A       A
 1FIL10 TO  4FIL15    A       A       A
 5FIL10 TO  5FIL15    +       A       A

 CONSTRAINTS         U1  U2  U3  R1  R2  R3
    NM1 TO    PO15    A


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                                                                        2

A S S E M B L E D   J O I N T   M A S S E S
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IN GLOBAL COORDINATES

JOINT	UX	UY	UZ	RX	RY	RZ
1	0.126094	0.126094	0.126094	.000000	.000000	.000000
2	0.088568	0.088568	0.088568	.000000	.000000	.000000
3	0.055213	0.055213	0.055213	.000000	.000000	.000000
4	0.055213	0.055213	0.055213	.000000	.000000	.000000
A2	0.017760	0.017760	0.017760	.000000	.000000	.000000
A3	0.017760	0.017760	0.017760	.000000	.000000	.000000
A4	0.017760	0.017760	0.017760	.000000	.000000	.000000
A5	0.017760	0.017760	0.017760	.000000	.000000	.000000
A6	0.017760	0.017760	0.017760	.000000	.000000	.000000
A7	0.031563	0.031563	0.031563	.000000	.000000	.000000
A8	0.045366	0.045366	0.045366	.000000	.000000	.000000
A9	0.031563	0.031563	0.031563	.000000	.000000	.000000
B2	0.054076	0.054076	0.054076	.000000	.000000	.000000
B3	0.072192	0.072192	0.072192	.000000	.000000	.000000
B4	0.072192	0.072192	0.072192	.000000	.000000	.000000
B5	0.072192	0.072192	0.072192	.000000	.000000	.000000
B6	0.072192	0.072192	0.072192	.000000	.000000	.000000
B7	0.113887	0.113887	0.113887	.000000	.000000	.000000
B8	0.155582	0.155582	0.155582	.000000	.000000	.000000
B9	0.113887	0.113887	0.113887	.000000	.000000	.000000
C2	0.047985	0.047985	0.047985	.000000	.000000	.000000
C3	0.066101	0.066101	0.066101	.000000	.000000	.000000
C4	0.066101	0.066101	0.066101	.000000	.000000	.000000
C5	0.066101	0.066101	0.066101	.000000	.000000	.000000
C6	0.129336	0.129336	0.129336	.000000	.000000	.000000
C7	0.129336	0.129336	0.129336	.000000	.000000	.000000
C8	0.066101	0.066101	0.066101	.000000	.000000	.000000
C9	0.129336	0.129336	0.129336	.000000	.000000	.000000
D1	0.122376	0.122376	0.122376	.000000	.000000	.000000
E1	0.314901	0.314901	0.314901	.000000	.000000	.000000
E2	0.090417	0.090417	0.090417	.000000	.000000	.000000
E3	0.052891	0.052891	0.052891	.000000	.000000	.000000
E4	0.052891	0.052891	0.052891	.000000	.000000	.000000
E5	0.052891	0.052891	0.052891	.000000	.000000	.000000
E6	0.052891	0.052891	0.052891	.000000	.000000	.000000
E7	0.052891	0.052891	0.052891	.000000	.000000	.000000
E8	0.625491	0.625491	0.625491	.000000	.000000	.000000
E9	0.052891	0.052891	0.052891	.000000	.000000	.000000
F1	0.350725	0.350725	0.350725	.000000	.000000	.000000
F2	0.123186	0.123186	0.123186	.000000	.000000	.000000
F3	0.079214	0.079214	0.079214	.000000	.000000	.000000
F4	0.057441	0.057441	0.057441	.000000	.000000	.000000
F5	0.128010	0.128010	0.128010	.000000	.000000	.000000
F6	0.128010	0.128010	0.128010	.000000	.000000	.000000
F7	0.079214	0.079214	0.079214	.000000	.000000	.000000
F8	0.792241	0.792241	0.792241	.000000	.000000	.000000
F9	0.057441	0.057441	0.057441	.000000	.000000	.000000
G1	0.349852	0.349852	0.349852	.000000	.000000	.000000
G2	0.116667	0.116667	0.116667	.000000	.000000	.000000
G3	0.094894	0.094894	0.094894	.000000	.000000	.000000
G4	0.057368	0.057368	0.057368	.000000	.000000	.000000
G5	0.094894	0.094894	0.094894	.000000	.000000	.000000
G6	0.116667	0.116667	0.116667	.000000	.000000	.000000
G7	0.057368	0.057368	0.057368	.000000	.000000	.000000
G8	0.790268	0.790268	0.790268	.000000	.000000	.000000
G9	0.079141	0.079141	0.079141	.000000	.000000	.000000
H1	0.349852	0.349852	0.349852	.000000	.000000	.000000
H2	0.079141	0.079141	0.079141	.000000	.000000	.000000
H3	0.110207	0.110207	0.110207	.000000	.000000	.000000

H4	0.110207	0.110207	0.110207	.000000	.000000	.000000
H5	0.127819	0.127819	0.127819	.000000	.000000	.000000
H6	0.079141	0.079141	0.079141	.000000	.000000	.000000
H7	0.057368	0.057368	0.057368	.000000	.000000	.000000
H8	0.790268	0.790268	0.790268	.000000	.000000	.000000
H9	0.057368	0.057368	0.057368	.000000	.000000	.000000
I1	0.349852	0.349852	0.349852	.000000	.000000	.000000
I2	0.057368	0.057368	0.057368	.000000	.000000	.000000
I3	0.088846	0.088846	0.088846	.000000	.000000	.000000
I4	0.067073	0.067073	0.067073	.000000	.000000	.000000
I5	0.057368	0.057368	0.057368	.000000	.000000	.000000
I6	0.057368	0.057368	0.057368	.000000	.000000	.000000
I7	0.079141	0.079141	0.079141	.000000	.000000	.000000
I8	0.790268	0.790268	0.790268	.000000	.000000	.000000
I9	0.079141	0.079141	0.079141	.000000	.000000	.000000
J1	0.349852	0.349852	0.349852	.000000	.000000	.000000
J2	0.079141	0.079141	0.079141	.000000	.000000	.000000
J3	0.110207	0.110207	0.110207	.000000	.000000	.000000
J4	0.180658	0.180658	0.180658	.000000	.000000	.000000
J5	0.057368	0.057368	0.057368	.000000	.000000	.000000
J6	0.079141	0.079141	0.079141	.000000	.000000	.000000
J7	0.057368	0.057368	0.057368	.000000	.000000	.000000
J8	0.790268	0.790268	0.790268	.000000	.000000	.000000
J9	0.057368	0.057368	0.057368	.000000	.000000	.000000
K1	0.349852	0.349852	0.349852	.000000	.000000	.000000
K2	0.057368	0.057368	0.057368	.000000	.000000	.000000
K3	0.079141	0.079141	0.079141	.000000	.000000	.000000
K4	0.057368	0.057368	0.057368	.000000	.000000	.000000
K5	0.057368	0.057368	0.057368	.000000	.000000	.000000
K6	0.057368	0.057368	0.057368	.000000	.000000	.000000
K7	0.079141	0.079141	0.079141	.000000	.000000	.000000
K8	0.790268	0.790268	0.790268	.000000	.000000	.000000
K9	0.079141	0.079141	0.079141	.000000	.000000	.000000
L1	0.349852	0.349852	0.349852	.000000	.000000	.000000
L2	0.117995	0.117995	0.117995	.000000	.000000	.000000
L3	0.117995	0.117995	0.117995	.000000	.000000	.000000
L4	0.057368	0.057368	0.057368	.000000	.000000	.000000
L5	0.117995	0.117995	0.117995	.000000	.000000	.000000
L6	0.057368	0.057368	0.057368	.000000	.000000	.000000
L7	0.057368	0.057368	0.057368	.000000	.000000	.000000
L8	0.790268	0.790268	0.790268	.000000	.000000	.000000
L9	0.117995	0.117995	0.117995	.000000	.000000	.000000
M1	0.257133	0.257133	0.257133	.000000	.000000	.000000
M2	0.071450	0.071450	0.071450	.000000	.000000	.000000
M3	0.046048	0.046048	0.046048	.000000	.000000	.000000
M4	0.046048	0.046048	0.046048	.000000	.000000	.000000
M5	0.046048	0.046048	0.046048	.000000	.000000	.000000
M6	0.071450	0.071450	0.071450	.000000	.000000	.000000
M7	0.046048	0.046048	0.046048	.000000	.000000	.000000
M8	0.552450	0.552450	0.552450	.000000	.000000	.000000
M9	0.046048	0.046048	0.046048	.000000	.000000	.000000
N1	6.331343	6.331343	6.331343	.000000	.000000	.000000
N2	12.036307	12.036307	12.036307	.000000	.000000	.000000
N3	12.008223	12.008223	12.008223	.000000	.000000	.000000
N4	12.008223	12.008223	12.008223	.000000	.000000	.000000
N5	12.008223	12.008223	12.008223	.000000	.000000	.000000
N6	12.036307	12.036307	12.036307	.000000	.000000	.000000
N7	12.002059	12.002059	12.002059	.000000	.000000	.000000
N8	12.792107	12.792107	12.792107	.000000	.000000	.000000
N9	12.008223	12.008223	12.008223	.000000	.000000	.000000
O1	0.052742	0.052742	0.052742	.000000	.000000	.000000
O7	0.080826	0.080826	0.080826	.000000	.000000	.000000
P1	2.556728	2.556728	2.556728	.000000	.000000	.000000

P2	4.582384	4.582384	4.582384	.000000	.000000	.000000
P3	5.117284	5.117284	5.117284	.000000	.000000	.000000
P4	6.168484	6.168484	6.168484	.000000	.000000	.000000
P5	6.168484	6.168484	6.168484	.000000	.000000	.000000
P6	5.117284	5.117284	5.117284	.000000	.000000	.000000
P7	4.563891	4.563891	4.563891	.000000	.000000	.000000
P8	5.223684	5.223684	5.223684	.000000	.000000	.000000
P9	4.582384	4.582384	4.582384	.000000	.000000	.000000
A10	0.017760	0.017760	0.017760	.000000	.000000	.000000
A11	0.017760	0.017760	0.017760	.000000	.000000	.000000
A12	0.017760	0.017760	0.017760	.000000	.000000	.000000
A13	0.017760	0.017760	0.017760	.000000	.000000	.000000
A14	0.017760	0.017760	0.017760	.000000	.000000	.000000
A15	0.045366	0.045366	0.045366	.000000	.000000	.000000
B10	0.072192	0.072192	0.072192	.000000	.000000	.000000
B11	0.072192	0.072192	0.072192	.000000	.000000	.000000
B12	0.072192	0.072192	0.072192	.000000	.000000	.000000
B13	0.072192	0.072192	0.072192	.000000	.000000	.000000
B14	0.127690	0.127690	0.127690	.000000	.000000	.000000
B15	0.054076	0.054076	0.054076	.000000	.000000	.000000
C10	0.129336	0.129336	0.129336	.000000	.000000	.000000
C11	0.066101	0.066101	0.066101	.000000	.000000	.000000
C12	0.066101	0.066101	0.066101	.000000	.000000	.000000
C13	0.129336	0.129336	0.129336	.000000	.000000	.000000
C14	0.066101	0.066101	0.066101	.000000	.000000	.000000
C15	0.047985	0.047985	0.047985	.000000	.000000	.000000
DE1	0.086190	0.086190	0.086190	.000000	.000000	.000000
DE2	0.158290	0.158290	0.158290	.000000	.000000	.000000
DE3	0.986490	0.986490	0.986490	.000000	.000000	.000000
DE4	0.572390	0.572390	0.572390	.000000	.000000	.000000
DE5	0.158290	0.158290	0.158290	.000000	.000000	.000000
DE6	0.158290	0.158290	0.158290	.000000	.000000	.000000
DE7	0.158290	0.158290	0.158290	.000000	.000000	.000000
DE8	0.158290	0.158290	0.158290	.000000	.000000	.000000
DE9	0.158290	0.158290	0.158290	.000000	.000000	.000000
E10	0.052891	0.052891	0.052891	.000000	.000000	.000000
E11	0.052891	0.052891	0.052891	.000000	.000000	.000000
E12	0.052891	0.052891	0.052891	.000000	.000000	.000000
E13	0.052891	0.052891	0.052891	.000000	.000000	.000000
E14	0.052891	0.052891	0.052891	.000000	.000000	.000000
E15	0.607375	0.607375	0.607375	.000000	.000000	.000000
F10	0.149783	0.149783	0.149783	.000000	.000000	.000000
F11	0.110397	0.110397	0.110397	.000000	.000000	.000000
F12	0.110397	0.110397	0.110397	.000000	.000000	.000000
F13	0.079214	0.079214	0.079214	.000000	.000000	.000000
F14	0.057441	0.057441	0.057441	.000000	.000000	.000000
F15	0.774125	0.774125	0.774125	.000000	.000000	.000000
G10	0.057368	0.057368	0.057368	.000000	.000000	.000000
G11	0.048310	0.048310	0.048310	.000000	.000000	.000000
G12	0.048310	0.048310	0.048310	.000000	.000000	.000000
G13	0.057368	0.057368	0.057368	.000000	.000000	.000000
G14	0.079141	0.079141	0.079141	.000000	.000000	.000000
G15	0.772152	0.772152	0.772152	.000000	.000000	.000000
H10	0.079141	0.079141	0.079141	.000000	.000000	.000000
H11	0.180658	0.180658	0.180658	.000000	.000000	.000000
H12	0.110207	0.110207	0.110207	.000000	.000000	.000000
H13	0.079141	0.079141	0.079141	.000000	.000000	.000000
H14	0.057368	0.057368	0.057368	.000000	.000000	.000000
H15	0.772152	0.772152	0.772152	.000000	.000000	.000000
I10	0.057368	0.057368	0.057368	.000000	.000000	.000000
I11	0.057368	0.057368	0.057368	.000000	.000000	.000000
I12	0.057368	0.057368	0.057368	.000000	.000000	.000000
I13	0.057368	0.057368	0.057368	.000000	.000000	.000000

I14	0.079141	0.079141	0.079141	.000000	.000000	.000000
I15	0.772152	0.772152	0.772152	.000000	.000000	.000000
J10	0.149592	0.149592	0.149592	.000000	.000000	.000000
J11	0.057368	0.057368	0.057368	.000000	.000000	.000000
J12	0.127819	0.127819	0.127819	.000000	.000000	.000000
J13	0.149592	0.149592	0.149592	.000000	.000000	.000000
J14	0.057368	0.057368	0.057368	.000000	.000000	.000000
J15	0.772152	0.772152	0.772152	.000000	.000000	.000000
K10	0.057368	0.057368	0.057368	.000000	.000000	.000000
K11	0.057368	0.057368	0.057368	.000000	.000000	.000000
K12	0.057368	0.057368	0.057368	.000000	.000000	.000000
K13	0.057368	0.057368	0.057368	.000000	.000000	.000000
K14	0.079141	0.079141	0.079141	.000000	.000000	.000000
K15	0.772152	0.772152	0.772152	.000000	.000000	.000000
L10	0.057368	0.057368	0.057368	.000000	.000000	.000000
L11	0.057368	0.057368	0.057368	.000000	.000000	.000000
L12	0.057368	0.057368	0.057368	.000000	.000000	.000000
L13	0.117995	0.117995	0.117995	.000000	.000000	.000000
L14	0.117995	0.117995	0.117995	.000000	.000000	.000000
L15	0.772152	0.772152	0.772152	.000000	.000000	.000000
M10	0.046048	0.046048	0.046048	.000000	.000000	.000000
M11	0.046048	0.046048	0.046048	.000000	.000000	.000000
M12	0.046048	0.046048	0.046048	.000000	.000000	.000000
M13	0.046048	0.046048	0.046048	.000000	.000000	.000000
M14	0.071450	0.071450	0.071450	.000000	.000000	.000000
M15	0.534333	0.534333	0.534333	.000000	.000000	.000000
N10	12.008223	12.008223	12.008223	.000000	.000000	.000000
N11	12.008223	12.008223	12.008223	.000000	.000000	.000000
N12	12.008223	12.008223	12.008223	.000000	.000000	.000000
N13	12.008223	12.008223	12.008223	.000000	.000000	.000000
N14	12.036307	12.036307	12.036307	.000000	.000000	.000000
N15	12.739743	12.739743	12.739743	.000000	.000000	.000000
O15	0.052742	0.052742	0.052742	.000000	.000000	.000000
P10	5.117284	5.117284	5.117284	.000000	.000000	.000000
P11	6.168484	6.168484	6.168484	.000000	.000000	.000000
P12	6.168484	6.168484	6.168484	.000000	.000000	.000000
P13	5.117284	5.117284	5.117284	.000000	.000000	.000000
P14	4.582384	4.582384	4.582384	.000000	.000000	.000000
P15	5.186428	5.186428	5.186428	.000000	.000000	.000000
DE10	0.158290	0.158290	0.158290	.000000	.000000	.000000
DE11	0.158290	0.158290	0.158290	.000000	.000000	.000000
DE12	0.158290	0.158290	0.158290	.000000	.000000	.000000
DE13	0.158290	0.158290	0.158290	.000000	.000000	.000000
DE14	0.158290	0.158290	0.158290	.000000	.000000	.000000
DE15	0.158290	0.158290	0.158290	.000000	.000000	.000000
1FIL1	0.341552	0.341552	0.341552	.000000	.000000	.000000
1FIL2	0.681564	0.681564	0.681564	.000000	.000000	.000000
1FIL3	0.681564	0.681564	0.681564	.000000	.000000	.000000
1FIL4	0.681564	0.681564	0.681564	.000000	.000000	.000000
1FIL5	0.681564	0.681564	0.681564	.000000	.000000	.000000
1FIL6	0.681564	0.681564	0.681564	.000000	.000000	.000000
1FIL7	0.681564	0.681564	0.681564	.000000	.000000	.000000
1FIL8	0.681564	0.681564	0.681564	.000000	.000000	.000000
1FIL9	0.681564	0.681564	0.681564	.000000	.000000	.000000
2FIL1	0.776290	0.776290	0.776290	.000000	.000000	.000000
2FIL2	1.538490	1.538490	1.538490	.000000	.000000	.000000
2FIL3	1.538490	1.538490	1.538490	.000000	.000000	.000000
2FIL4	1.538490	1.538490	1.538490	.000000	.000000	.000000
2FIL5	1.538490	1.538490	1.538490	.000000	.000000	.000000
2FIL6	1.538490	1.538490	1.538490	.000000	.000000	.000000
2FIL7	1.538490	1.538490	1.538490	.000000	.000000	.000000
2FIL8	1.538490	1.538490	1.538490	.000000	.000000	.000000
2FIL9	1.538490	1.538490	1.538490	.000000	.000000	.000000

3FIL1	0.787190	0.787190	0.787190	.000000	.000000	.000000
3FIL2	1.560390	1.560390	1.560390	.000000	.000000	.000000
3FIL3	1.560390	1.560390	1.560390	.000000	.000000	.000000
3FIL4	1.560390	1.560390	1.560390	.000000	.000000	.000000
3FIL5	1.560390	1.560390	1.560390	.000000	.000000	.000000
3FIL6	1.560390	1.560390	1.560390	.000000	.000000	.000000
3FIL7	1.560390	1.560390	1.560390	.000000	.000000	.000000
3FIL8	1.560390	1.560390	1.560390	.000000	.000000	.000000
3FIL9	1.560390	1.560390	1.560390	.000000	.000000	.000000
4FIL1	0.818690	0.818690	0.818690	.000000	.000000	.000000
4FIL2	1.623290	1.623290	1.623290	.000000	.000000	.000000
4FIL3	1.623290	1.623290	1.623290	.000000	.000000	.000000
4FIL4	1.623290	1.623290	1.623290	.000000	.000000	.000000
4FIL5	1.623290	1.623290	1.623290	.000000	.000000	.000000
4FIL6	1.623290	1.623290	1.623290	.000000	.000000	.000000
4FIL7	1.623290	1.623290	1.623290	.000000	.000000	.000000
4FIL8	1.623290	1.623290	1.623290	.000000	.000000	.000000
4FIL9	1.623290	1.623290	1.623290	.000000	.000000	.000000
5FIL1	0.213403	0.213403	0.213403	.000000	.000000	.000000
5FIL2	0.422403	0.422403	0.422403	.000000	.000000	.000000
5FIL3	0.422403	0.422403	0.422403	.000000	.000000	.000000
5FIL4	0.422403	0.422403	0.422403	.000000	.000000	.000000
5FIL5	0.422403	0.422403	0.422403	.000000	.000000	.000000
5FIL6	0.422403	0.422403	0.422403	.000000	.000000	.000000
5FIL7	0.422403	0.422403	0.422403	.000000	.000000	.000000
5FIL8	0.422403	0.422403	0.422403	.000000	.000000	.000000
5FIL9	0.422403	0.422403	0.422403	.000000	.000000	.000000
1FIL10	0.681564	0.681564	0.681564	.000000	.000000	.000000
1FIL11	0.681564	0.681564	0.681564	.000000	.000000	.000000
1FIL12	0.681564	0.681564	0.681564	.000000	.000000	.000000
1FIL13	0.681564	0.681564	0.681564	.000000	.000000	.000000
1FIL14	0.681564	0.681564	0.681564	.000000	.000000	.000000
1FIL15	0.681564	0.681564	0.681564	.000000	.000000	.000000
2FIL10	1.538490	1.538490	1.538490	.000000	.000000	.000000
2FIL11	1.538490	1.538490	1.538490	.000000	.000000	.000000
2FIL12	1.538490	1.538490	1.538490	.000000	.000000	.000000
2FIL13	1.538490	1.538490	1.538490	.000000	.000000	.000000
2FIL14	1.538490	1.538490	1.538490	.000000	.000000	.000000
2FIL15	1.538490	1.538490	1.538490	.000000	.000000	.000000
3FIL10	1.560390	1.560390	1.560390	.000000	.000000	.000000
3FIL11	1.560390	1.560390	1.560390	.000000	.000000	.000000
3FIL12	1.560390	1.560390	1.560390	.000000	.000000	.000000
3FIL13	1.560390	1.560390	1.560390	.000000	.000000	.000000
3FIL14	1.560390	1.560390	1.560390	.000000	.000000	.000000
3FIL15	1.560390	1.560390	1.560390	.000000	.000000	.000000
4FIL10	1.623290	1.623290	1.623290	.000000	.000000	.000000
4FIL11	1.623290	1.623290	1.623290	.000000	.000000	.000000
4FIL12	1.623290	1.623290	1.623290	.000000	.000000	.000000
4FIL13	1.623290	1.623290	1.623290	.000000	.000000	.000000
4FIL14	1.623290	1.623290	1.623290	.000000	.000000	.000000
4FIL15	1.623290	1.623290	1.623290	.000000	.000000	.000000
5FIL10	0.422403	0.422403	0.422403	.000000	.000000	.000000
5FIL11	0.422403	0.422403	0.422403	.000000	.000000	.000000
5FIL12	0.422403	0.422403	0.422403	.000000	.000000	.000000
5FIL13	0.422403	0.422403	0.422403	.000000	.000000	.000000
5FIL14	0.422403	0.422403	0.422403	.000000	.000000	.000000
5FIL15	0.422403	0.422403	0.422403	.000000	.000000	.000000

T O T A L A S S E M B L E D J O I N T M A S S E S

IN GLOBAL COORDINATES

	UX	UY	UZ	RX	RY	RZ
TOTAL	368.439849	368.439849	368.439849	.000000	.000000	.000000

T O T A L A C C E L E R A T E D M A S S A N D L O C A T I O N

TOTAL MASS ACTIVATED BY ACCELERATION LOADS, IN GLOBAL COORDINATES

	UX	UY	UZ
MASS	367.986018	.000000	367.986018
X-LOC	524.079463	.000000	524.079463
Y-LOC	120.000000	.000000	120.000000
Z-LOC	515.931216	.000000	515.931216

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M O D A L P E R I O D S A N D F R E Q U E N C I E S

MODE	PERIOD (TIME)	FREQUENCY (CYC/TIME)	FREQUENCY (RAD/TIME)	EIGENVALUE (RAD/TIME)**2
1	0.484706	2.063105	12.962868	168.035947
2	0.171480	5.831595	36.640991	1342.562
3	0.159717	6.261079	39.339522	1547.598
4	0.152980	6.536782	41.071813	1686.894
5	0.143206	6.982969	43.875290	1925.041
6	0.141018	7.091312	44.556027	1985.240
7	0.136872	7.306105	45.905613	2107.325
8	0.123856	8.073889	50.729741	2573.507
9	0.121146	8.254479	51.864422	2689.918
10	0.114513	8.732628	54.868722	3010.577
11	0.113203	8.833669	55.503579	3080.647
12	0.107935	9.264810	58.212519	3388.697
13	0.105213	9.504569	59.718969	3566.355
14	0.097092	10.299466	64.713455	4187.831
15	0.094409	10.592205	66.552787	4429.273
16	0.090743	11.020154	69.241672	4794.409
17	0.089958	11.116266	69.845560	4878.402
18	0.087472	11.432291	71.831204	5159.722
19	0.086066	11.619053	73.004662	5329.681
20	0.082744	12.085526	75.935599	5766.215
21	0.082128	12.176122	76.504833	5852.989
22	0.079799	12.531541	78.737994	6199.672
23	0.077773	12.857957	80.788929	6526.851
24	0.076256	13.113674	82.395646	6789.043
25	0.073546	13.596962	85.432233	7298.666
26	0.073209	13.659579	85.825664	7366.045
27	0.072214	13.847696	87.007640	7570.329
28	0.071687	13.949566	87.647708	7682.121
29	0.071420	14.001603	87.974665	7739.542
30	0.071256	14.033847	88.177259	7775.229
31	0.071151	14.054709	88.308341	7798.363
32	0.071083	14.068148	88.392780	7813.283
33	0.071027	14.079215	88.462317	7825.582
34	0.071000	14.084536	88.495749	7831.498
35	0.070972	14.090103	88.530729	7837.690
36	0.070961	14.092340	88.544781	7840.178
37	0.070205	14.243967	89.497482	8009.799
38	0.070037	14.278224	89.712730	8048.374
39	0.068660	14.564440	91.511074	8374.277

40	0.067988	14.708403	92.415623	8540.647
41	0.067830	14.742760	92.631492	8580.593
42	0.067577	14.797980	92.978451	8644.992
43	0.067353	14.847202	93.287719	8702.599
44	0.067220	14.876562	93.472194	8737.051
45	0.067142	14.893777	93.580364	8757.284
46	0.067078	14.908089	93.670288	8774.123
47	0.067053	14.913535	93.704502	8780.534
48	0.067013	14.922429	93.760384	8791.010
49	0.066997	14.925932	93.782395	8795.138
50	0.066601	15.014768	94.340568	8900.143
51	0.066286	15.086091	94.788702	8984.898
52	0.064903	15.407604	96.808830	9371.950
53	0.064096	15.601669	98.028176	9609.523
54	0.063674	15.704955	98.677141	9737.178
55	0.063452	15.759839	99.021987	9805.354
56	0.063271	15.804942	99.305379	9861.558
57	0.063157	15.833583	99.485336	9897.332
58	0.063062	15.857511	99.635681	9927.269
59	0.063029	15.865617	99.686609	9937.420
60	0.062990	15.875503	99.748727	9949.809
61	0.062964	15.882199	99.790798	9958.203
62	0.060850	16.433777	103.256466	10661.898
63	0.056048	17.841956	112.104315	12567.377
64	0.054991	18.184849	114.258776	13055.068
65	0.053415	18.721159	117.628511	13836.467
66	0.050739	19.708635	123.833003	15334.613
67	0.050303	19.879356	124.905676	15601.428
68	0.048447	20.641134	129.692067	16820.032
69	0.047935	20.861780	131.078432	17181.555
70	0.046555	21.479781	134.961447	18214.592
71	0.042988	23.262389	146.161902	21363.302
72	0.042129	23.736460	149.140580	22242.913
73	0.039938	25.038599	157.322159	24750.262
74	0.037898	26.386293	165.789968	27486.313
75	0.036780	27.188859	170.832641	29183.791
76	0.036133	27.675608	173.890974	30238.071
77	0.034708	28.811753	181.029586	32771.711
78	0.033586	29.774178	187.076680	34997.684
79	0.033184	30.134559	189.341019	35850.021
80	0.033067	30.241182	190.010952	36104.162
81	0.032448	30.818302	193.637104	37495.328
82	0.031832	31.415401	197.388785	38962.332
83	0.030506	32.780471	205.965774	42421.900
84	0.030324	32.977559	207.204115	42933.545

-------- THE FOLLOWING ARE RESIDUAL-MASS MODES --------

85	0.021583	46.331836	291.111514	84745.914
86	0.023132	43.230354	271.624328	73779.775

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M O D A L P A R T I C I P A T I O N F A C T O R S

FOR UNIT ACCELERATION LOADS IN GLOBAL COORDINATES

MODE	PERIOD	UX	UY	UZ
1	0.484706	-18.063805	.000000	0.456574
2	0.171480	-0.613682	.000000	4.739862
3	0.159717	-5.047385	.000000	-2.843626
4	0.152980	-0.341815	.000000	-16.123848

5	0.143206	-1.745372	.000000	-0.265581
6	0.141018	-1.578167	.000000	6.494677
7	0.136872	-1.197117	.000000	-0.117088
8	0.123856	-0.837127	.000000	1.206705
9	0.121146	0.599396	.000000	2.002813
10	0.114513	-0.257277	.000000	-0.780085
11	0.113203	0.895650	.000000	-1.184537
12	0.107935	-1.296563	.000000	0.120430
13	0.105213	0.759220	.000000	0.314512
14	0.097092	0.072424	.000000	0.148362
15	0.094409	-1.001208	.000000	-1.212186
16	0.090743	0.621772	.000000	-1.316420
17	0.089958	-0.890634	.000000	0.011593
18	0.087472	-0.224006	.000000	-1.081752
19	0.086066	0.197544	.000000	0.408703
20	0.082744	0.489478	.000000	0.799102
21	0.082128	0.028045	.000000	0.352570
22	0.079799	-0.019134	.000000	0.751658
23	0.077773	0.050389	.000000	-0.110925
24	0.076256	-0.075731	.000000	-0.267869
25	0.073546	0.028600	.000000	0.078232
26	0.073209	0.108434	.000000	0.125893
27	0.072214	0.019992	.000000	-0.032464
28	0.071687	0.007775	.000000	0.003715
29	0.071420	-0.020462	.000000	-0.006611
30	0.071256	-0.007491	.000000	-0.007503
31	0.071151	-0.012913	.000000	0.001663
32	0.071083	-0.002000	.000000	0.004283
33	0.071027	0.004660	.000000	0.004740
34	0.071000	-0.011327	.000000	-0.002197
35	0.070972	-0.000544	.000000	0.000542
36	0.070961	-0.007015	.000000	-0.004785
37	0.070205	-0.091638	.000000	-0.052317
38	0.070037	0.112960	.000000	0.015748
39	0.068660	0.007198	.000000	-0.010274
40	0.067988	0.017810	.000000	0.110499
41	0.067830	0.034597	.000000	0.160004
42	0.067577	-0.038274	.000000	0.003765
43	0.067353	0.033814	.000000	0.021338
44	0.067220	0.029542	.000000	0.026483
45	0.067142	0.017105	.000000	-0.000345
46	0.067078	0.007071	.000000	0.023313
47	0.067053	0.003076	.000000	-0.000556
48	0.067013	0.001127	.000000	0.001860
49	0.066997	0.004053	.000000	-0.003512
50	0.066601	-0.016553	.000000	0.010730
51	0.066286	-0.117286	.000000	-0.014100
52	0.064903	0.016840	.000000	-0.025906
53	0.064096	0.012411	.000000	0.023264
54	0.063674	-0.048464	.000000	-0.022738
55	0.063452	-0.020249	.000000	-0.009436
56	0.063271	0.019141	.000000	0.004182
57	0.063157	-0.011395	.000000	-0.000203
58	0.063062	-0.003155	.000000	-0.004662
59	0.063029	-0.010040	.000000	-0.009484
60	0.062990	0.002797	.000000	-0.000708
61	0.062964	0.005648	.000000	-0.004220
62	0.060850	-0.057409	.000000	-0.434460
63	0.056048	-0.076492	.000000	-0.019170
64	0.054991	-0.031557	.000000	0.206856
65	0.053415	-0.200595	.000000	-0.032325
66	0.050739	-0.219794	.000000	0.043005
67	0.050303	-0.016184	.000000	-0.436248

68	0.048447	0.008798	.000000	-0.336079
69	0.047935	-0.136562	.000000	0.049761
70	0.046555	0.004790	.000000	0.286303
71	0.042988	0.008038	.000000	-1.710614
72	0.042129	0.009045	.000000	0.235407
73	0.039938	-0.070517	.000000	-0.160801
74	0.037898	0.004076	.000000	0.516218
75	0.036780	-0.030677	.000000	-0.035037
76	0.036133	-0.014649	.000000	-0.019736
77	0.034708	0.017548	.000000	0.706714
78	0.033586	-0.072597	.000000	-1.302801
79	0.033184	-0.036895	.000000	0.252305
80	0.033067	-0.046372	.000000	0.809737
81	0.032448	-0.009930	.000000	-2.679738
82	0.031832	0.101357	.000000	0.728495
83	0.030506	-0.036079	.000000	0.030368
84	0.030324	-0.061725	.000000	-0.005082

-------- THE FOLLOWING ARE RESIDUAL-MASS MODES --------

85	0.021583	-1.110767	.000000	-0.207010
86	0.023132	-0.000353	.000000	-2.139212

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M O D A L P A R T I C I P A T I N G M A S S R A T I O S

MODE	PERIOD	INDIVIDUAL MODE (PERCENT)			CUMULATIVE SUM (PERCENT)		
		UX	UY	UZ	UX	UY	UZ
1	0.484706	88.6721	0.0000	0.0566	88.6721	0.0000	0.0566
2	0.171480	0.1023	0.0000	6.1052	88.7745	0.0000	6.1619
3	0.159717	6.9231	0.0000	2.1974	95.6976	0.0000	8.3593
4	0.152980	0.0318	0.0000	70.6490	95.7293	0.0000	79.0083
5	0.143206	0.8278	0.0000	0.0192	96.5572	0.0000	79.0274
6	0.141018	0.6768	0.0000	11.4626	97.2340	0.0000	90.4901
7	0.136872	0.3894	0.0000	0.0037	97.6234	0.0000	90.4938
8	0.123856	0.1904	0.0000	0.3957	97.8139	0.0000	90.8895
9	0.121146	0.0976	0.0000	1.0901	97.9115	0.0000	91.9796
10	0.114513	0.0180	0.0000	0.1654	97.9295	0.0000	92.1449
11	0.113203	0.2180	0.0000	0.3813	98.1475	0.0000	92.5262
12	0.107935	0.4568	0.0000	0.0039	98.6043	0.0000	92.5302
13	0.105213	0.1566	0.0000	0.0269	98.7610	0.0000	92.5570
14	0.097092	0.0014	0.0000	0.0060	98.7624	0.0000	92.5630
15	0.094409	0.2724	0.0000	0.3993	99.0348	0.0000	92.9623
16	0.090743	0.1051	0.0000	0.4709	99.1399	0.0000	93.4333
17	0.089958	0.2156	0.0000	0.0000	99.3554	0.0000	93.4333
18	0.087472	0.0136	0.0000	0.3180	99.3690	0.0000	93.7513
19	0.086066	0.0106	0.0000	0.0454	99.3797	0.0000	93.7967
20	0.082744	0.0651	0.0000	0.1735	99.4448	0.0000	93.9702
21	0.082128	0.0002	0.0000	0.0338	99.4450	0.0000	94.0040
22	0.079799	0.0001	0.0000	0.1535	99.4451	0.0000	94.1575
23	0.077773	0.0007	0.0000	0.0033	99.4458	0.0000	94.1609
24	0.076256	0.0016	0.0000	0.0195	99.4473	0.0000	94.1804
25	0.073546	0.0002	0.0000	0.0017	99.4475	0.0000	94.1820
26	0.073209	0.0032	0.0000	0.0043	99.4507	0.0000	94.1864
27	0.072214	0.0001	0.0000	0.0003	99.4508	0.0000	94.1866
28	0.071687	0.0000	0.0000	0.0000	99.4509	0.0000	94.1866
29	0.071420	0.0001	0.0000	0.0000	99.4510	0.0000	94.1867
30	0.071256	0.0000	0.0000	0.0000	99.4510	0.0000	94.1867
31	0.071151	0.0000	0.0000	0.0000	99.4510	0.0000	94.1867
32	0.071083	0.0000	0.0000	0.0000	99.4510	0.0000	94.1867

33	0.071027	0.0000	0.0000	0.0000	99.4510	0.0000	94.1867
34	0.071000	0.0000	0.0000	0.0000	99.4511	0.0000	94.1867
35	0.070972	0.0000	0.0000	0.0000	99.4511	0.0000	94.1867
36	0.070961	0.0000	0.0000	0.0000	99.4511	0.0000	94.1867
37	0.070205	0.0023	0.0000	0.0007	99.4534	0.0000	94.1874
38	0.070037	0.0035	0.0000	0.0001	99.4568	0.0000	94.1875
39	0.068660	0.0000	0.0000	0.0000	99.4569	0.0000	94.1875
40	0.067988	0.0001	0.0000	0.0033	99.4569	0.0000	94.1908
41	0.067830	0.0003	0.0000	0.0070	99.4573	0.0000	94.1978
42	0.067577	0.0004	0.0000	0.0000	99.4577	0.0000	94.1978
43	0.067353	0.0003	0.0000	0.0001	99.4580	0.0000	94.1979
44	0.067220	0.0002	0.0000	0.0002	99.4582	0.0000	94.1981
45	0.067142	0.0001	0.0000	0.0000	99.4583	0.0000	94.1981
46	0.067078	0.0000	0.0000	0.0001	99.4583	0.0000	94.1983
47	0.067053	0.0000	0.0000	0.0000	99.4583	0.0000	94.1983
48	0.067013	0.0000	0.0000	0.0000	99.4583	0.0000	94.1983
49	0.066997	0.0000	0.0000	0.0000	99.4583	0.0000	94.1983
50	0.066601	0.0001	0.0000	0.0000	99.4584	0.0000	94.1983
51	0.066286	0.0037	0.0000	0.0001	99.4621	0.0000	94.1984
52	0.064903	0.0001	0.0000	0.0002	99.4622	0.0000	94.1985
53	0.064096	0.0000	0.0000	0.0001	99.4622	0.0000	94.1987
54	0.063674	0.0006	0.0000	0.0001	99.4629	0.0000	94.1988
55	0.063452	0.0001	0.0000	0.0000	99.4630	0.0000	94.1989
56	0.063271	0.0001	0.0000	0.0000	99.4631	0.0000	94.1989
57	0.063157	0.0000	0.0000	0.0000	99.4631	0.0000	94.1989
58	0.063062	0.0000	0.0000	0.0000	99.4631	0.0000	94.1989
59	0.063029	0.0000	0.0000	0.0000	99.4632	0.0000	94.1989
60	0.062990	0.0000	0.0000	0.0000	99.4632	0.0000	94.1989
61	0.062964	0.0000	0.0000	0.0000	99.4632	0.0000	94.1989
62	0.060850	0.0009	0.0000	0.0513	99.4641	0.0000	94.2502
63	0.056048	0.0016	0.0000	0.0001	99.4657	0.0000	94.2503
64	0.054991	0.0003	0.0000	0.0116	99.4659	0.0000	94.2619
65	0.053415	0.0109	0.0000	0.0003	99.4769	0.0000	94.2622
66	0.050739	0.0131	0.0000	0.0005	99.4900	0.0000	94.2627
67	0.050303	0.0001	0.0000	0.0517	99.4901	0.0000	94.3144
68	0.048447	0.0000	0.0000	0.0307	99.4901	0.0000	94.3451
69	0.047935	0.0051	0.0000	0.0007	99.4952	0.0000	94.3458
70	0.046555	0.0000	0.0000	0.0223	99.4952	0.0000	94.3681
71	0.042988	0.0000	0.0000	0.7952	99.4952	0.0000	95.1633
72	0.042129	0.0000	0.0000	0.0151	99.4952	0.0000	95.1783
73	0.039938	0.0014	0.0000	0.0070	99.4966	0.0000	95.1853
74	0.037898	0.0000	0.0000	0.0724	99.4966	0.0000	95.2578
75	0.036780	0.0003	0.0000	0.0003	99.4968	0.0000	95.2581
76	0.036133	0.0001	0.0000	0.0001	99.4969	0.0000	95.2582
77	0.034708	0.0001	0.0000	0.1357	99.4970	0.0000	95.3939
78	0.033586	0.0014	0.0000	0.4612	99.4984	0.0000	95.8552
79	0.033184	0.0004	0.0000	0.0173	99.4988	0.0000	95.8725
80	0.033067	0.0006	0.0000	0.1782	99.4993	0.0000	96.0506
81	0.032448	0.0000	0.0000	1.9514	99.4994	0.0000	98.0021
82	0.031832	0.0028	0.0000	0.1442	99.5022	0.0000	98.1463
83	0.030506	0.0004	0.0000	0.0003	99.5025	0.0000	98.1465
84	0.030324	0.0010	0.0000	0.0000	99.5035	0.0000	98.1465
-------- THE FOLLOWING ARE RESIDUAL-MASS MODES --------							
85	0.021583	0.3353	0.0000	0.0116	99.8388	0.0000	98.1582
86	0.023132	0.0000	0.0000	1.2436	99.8388	0.0000	99.4018

M O D A L L O A D P A R T I C I P A T I O N R A T I O S

LOAD, ACC, OR NLLINK/DEF (TYPE)	(NAME)	STATIC (PERCENT)	DYNAMIC (PERCENT)	EFFECTIVE PERIOD
LOAD	DEAD	98.7116 ->	10.6454<- (*) SEE NOTE	0.143863
LOAD	MANIFOLD	98.7174	67.3330	0.154814
LOAD	TBAR	99.1954	73.7431	0.139009
LOAD	TOPCOVER	95.4104	52.7225	0.148118
LOAD	PEWALLS	99.0196	42.8491	0.142672
LOAD	HOTBASIN	98.7174	67.3330	0.154814
LOAD	DRIFTELM	94.5989	4.2607	0.149486
LOAD	FANMOTOR	93.8945	50.5952	0.139733
LOAD	CABLETRY	0.0000	0.0000	-INFINITY-
LOAD	LOUVERWL	0.0000	0.0000	-INFINITY-
LOAD	SECDIST	86.7039	3.1373	0.129431
ACC	UX	99.9997	99.8388	0.482230
ACC	UY	0.0000	0.0000	-INFINITY-
ACC	UZ	100.0001	99.4018	0.156851
ACC	RX	0.0000	0.0000	-INFINITY-
ACC	RY	0.0000	0.0000	-INFINITY-
ACC	RZ	0.0000	0.0000	-INFINITY-

(*) NOTE: DYNAMIC LOAD PARTICIPATION RATIO EXCLUDES LOAD APPLIED
TO NON-MASS DEGREES OF FREEDOM

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R E S P O N S E S P E C T R U M A C C E L E R A T I O N S

IN RESPONSE-SPECTRUM LOCAL COORDINATES

SPEC HORIZ ----------

MODE	PERIOD	DAMP-RATIO	U1	U2	U3
1	0.484706	0.050000	75.894361	.000000	.000000
2	0.171480	0.050000	88.327187	.000000	.000000
3	0.159717	0.050000	88.100855	.000000	.000000
4	0.152980	0.050000	87.970770	.000000	.000000
5	0.143206	0.050000	87.784617	.000000	.000000
6	0.141018	0.050000	87.720370	.000000	.000000
7	0.136872	0.050000	87.448944	.000000	.000000
8	0.123856	0.050000	86.751011	.000000	.000000
9	0.121146	0.050000	86.650549	.000000	.000000
10	0.114513	0.050000	86.303742	.000000	.000000
11	0.113203	0.050000	86.209173	.000000	.000000
12	0.107935	0.050000	85.828827	.000000	.000000
13	0.105213	0.050000	85.581489	.000000	.000000
14	0.097092	0.050000	84.684811	.000000	.000000
15	0.094409	0.050000	84.483659	.000000	.000000
16	0.090743	0.050000	84.208828	.000000	.000000
17	0.089958	0.050000	84.145411	.000000	.000000
18	0.087472	0.050000	83.922260	.000000	.000000
19	0.086066	0.050000	83.796090	.000000	.000000
20	0.082744	0.050000	83.497991	.000000	.000000
21	0.082128	0.050000	83.442745	.000000	.000000
22	0.079799	0.050000	83.117149	.000000	.000000
23	0.077773	0.050000	82.806566	.000000	.000000
24	0.076256	0.050000	82.574055	.000000	.000000
25	0.073546	0.050000	82.167672	.000000	.000000
26	0.073209	0.050000	82.119442	.000000	.000000
27	0.072214	0.050000	81.977171	.000000	.000000

28	0.071687	0.050000	81.901729	.000000	.000000
29	0.071420	0.050000	81.863616	.000000	.000000
30	0.071256	0.050000	81.840141	.000000	.000000
31	0.071151	0.050000	81.825010	.000000	.000000
32	0.071083	0.050000	81.815287	.000000	.000000
33	0.071027	0.050000	81.807294	.000000	.000000
34	0.071000	0.050000	81.803455	.000000	.000000
35	0.070972	0.050000	81.799442	.000000	.000000
36	0.070961	0.050000	81.797831	.000000	.000000
37	0.070205	0.050000	81.689770	.000000	.000000
38	0.070037	0.050000	81.665673	.000000	.000000
39	0.068660	0.050000	81.468781	.000000	.000000
40	0.067988	0.050000	81.372705	.000000	.000000
41	0.067830	0.050000	81.350400	.000000	.000000
42	0.067577	0.050000	81.314766	.000000	.000000
43	0.067353	0.050000	81.283227	.000000	.000000
44	0.067220	0.050000	81.264513	.000000	.000000
45	0.067142	0.050000	81.253575	.000000	.000000
46	0.067078	0.050000	81.244500	.000000	.000000
47	0.067053	0.050000	81.241052	.000000	.000000
48	0.067013	0.050000	81.235426	.000000	.000000
49	0.066997	0.050000	81.233212	.000000	.000000
50	0.066601	0.050000	81.177407	.000000	.000000
51	0.066286	0.050000	81.133079	.000000	.000000
52	0.064903	0.050000	80.938349	.000000	.000000
53	0.064096	0.050000	80.824695	.000000	.000000
54	0.063674	0.050000	80.765351	.000000	.000000
55	0.063452	0.050000	80.734133	.000000	.000000
56	0.063271	0.050000	80.708641	.000000	.000000
57	0.063157	0.050000	80.692528	.000000	.000000
58	0.063062	0.050000	80.679112	.000000	.000000
59	0.063029	0.050000	80.674576	.000000	.000000
60	0.062990	0.050000	80.669050	.000000	.000000
61	0.062964	0.050000	80.665312	.000000	.000000
62	0.060850	0.050000	80.331313	.000000	.000000
63	0.056048	0.050000	79.390055	.000000	.000000
64	0.054991	0.050000	79.189076	.000000	.000000
65	0.053415	0.050000	78.931912	.000000	.000000
66	0.050739	0.050000	78.495021	.000000	.000000
67	0.050303	0.050000	78.423889	.000000	.000000
68	0.048447	0.050000	77.966488	.000000	.000000
69	0.047935	0.050000	77.819556	.000000	.000000
70	0.046555	0.050000	77.424087	.000000	.000000
71	0.042988	0.050000	76.575109	.000000	.000000
72	0.042129	0.050000	76.405014	.000000	.000000
73	0.039938	0.050000	75.936980	.000000	.000000
74	0.037898	0.050000	75.422909	.000000	.000000
75	0.036780	0.050000	75.140986	.000000	.000000
76	0.036133	0.050000	74.978522	.000000	.000000
77	0.034708	0.050000	74.621386	.000000	.000000
78	0.033586	0.050000	74.340181	.000000	.000000
79	0.033184	0.050000	74.239505	.000000	.000000
80	0.033067	0.050000	74.210179	.000000	.000000
81	0.032448	0.050000	74.047956	.000000	.000000
82	0.031832	0.050000	73.821004	.000000	.000000
83	0.030506	0.050000	73.333210	.000000	.000000
84	0.030324	0.050000	73.266119	.000000	.000000
85	0.021583	0.050000	69.824768	.000000	.000000
86	0.023132	0.050000	70.498981	.000000	.000000

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R E S P O N S E S P E C T R U M M O D A L A M P L I T U D E S

IN RESPONSE-SPECTRUM LOCAL COORDINATES

SPEC HORIZ ----------

MODE	PERIOD	U1	U2	U3
1	0.484706	-8.158617	.000000	.000000
2	0.171480	-0.040374	.000000	.000000
3	0.159717	-0.287335	.000000	.000000
4	0.152980	-0.017826	.000000	.000000
5	0.143206	-0.079591	.000000	.000000
6	0.141018	-0.069733	.000000	.000000
7	0.136872	-0.049678	.000000	.000000
8	0.123856	-0.028219	.000000	.000000
9	0.121146	0.019308	.000000	.000000
10	0.114513	-0.007375	.000000	.000000
11	0.113203	0.025064	.000000	.000000
12	0.107935	-0.032839	.000000	.000000
13	0.105213	0.018219	.000000	.000000
14	0.097092	0.001465	.000000	.000000
15	0.094409	-0.019097	.000000	.000000
16	0.090743	0.010921	.000000	.000000
17	0.089958	-0.015362	.000000	.000000
18	0.087472	-0.003643	.000000	.000000
19	0.086066	0.003106	.000000	.000000
20	0.082744	0.007088	.000000	.000000
21	0.082128	0.000400	.000000	.000000
22	0.079799	-0.000257	.000000	.000000
23	0.077773	0.000639	.000000	.000000
24	0.076256	-0.000921	.000000	.000000
25	0.073546	0.000322	.000000	.000000
26	0.073209	0.001209	.000000	.000000
27	0.072214	0.000216	.000000	.000000
28	0.071687	8.29E-05	.000000	.000000
29	0.071420	-0.000216	.000000	.000000
30	0.071256	-7.88E-05	.000000	.000000
31	0.071151	-0.000135	.000000	.000000
32	0.071083	-2.09E-05	.000000	.000000
33	0.071027	4.87E-05	.000000	.000000
34	0.071000	-0.000118	.000000	.000000
35	0.070972	-5.68E-06	.000000	.000000
36	0.070961	-7.32E-05	.000000	.000000
37	0.070205	-0.000935	.000000	.000000
38	0.070037	0.001146	.000000	.000000
39	0.068660	7.00E-05	.000000	.000000
40	0.067988	0.000170	.000000	.000000
41	0.067830	0.000328	.000000	.000000
42	0.067577	-0.000360	.000000	.000000
43	0.067353	0.000316	.000000	.000000
44	0.067220	0.000275	.000000	.000000
45	0.067142	0.000159	.000000	.000000
46	0.067078	6.55E-05	.000000	.000000
47	0.067053	2.85E-05	.000000	.000000
48	0.067013	1.04E-05	.000000	.000000
49	0.066997	3.74E-05	.000000	.000000
50	0.066601	-0.000151	.000000	.000000
51	0.066286	-0.001059	.000000	.000000
52	0.064903	0.000145	.000000	.000000
53	0.064096	0.000104	.000000	.000000
54	0.063674	-0.000402	.000000	.000000

55	0.063452	-0.000167	.000000	.000000
56	0.063271	0.000157	.000000	.000000
57	0.063157	-9.29E-05	.000000	.000000
58	0.063062	-2.56E-05	.000000	.000000
59	0.063029	-8.15E-05	.000000	.000000
60	0.062990	2.27E-05	.000000	.000000
61	0.062964	4.58E-05	.000000	.000000
62	0.060850	-0.000433	.000000	.000000
63	0.056048	-0.000483	.000000	.000000
64	0.054991	-0.000191	.000000	.000000
65	0.053415	-0.001144	.000000	.000000
66	0.050739	-0.001125	.000000	.000000
67	0.050303	-8.13E-05	.000000	.000000
68	0.048447	4.08E-05	.000000	.000000
69	0.047935	-0.000619	.000000	.000000
70	0.046555	2.04E-05	.000000	.000000
71	0.042988	2.88E-05	.000000	.000000
72	0.042129	3.11E-05	.000000	.000000
73	0.039938	-0.000216	.000000	.000000
74	0.037898	1.12E-05	.000000	.000000
75	0.036780	-7.90E-05	.000000	.000000
76	0.036133	-3.63E-05	.000000	.000000
77	0.034708	4.00E-05	.000000	.000000
78	0.033586	-0.000154	.000000	.000000
79	0.033184	-7.64E-05	.000000	.000000
80	0.033067	-9.53E-05	.000000	.000000
81	0.032448	-1.96E-05	.000000	.000000
82	0.031832	0.000192	.000000	.000000
83	0.030506	-6.24E-05	.000000	.000000
84	0.030324	-0.000105	.000000	.000000
85	0.021583	-0.000915	.000000	.000000
86	0.023132	-3.37E-07	.000000	.000000

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R E S P O N S E S P E C T R U M M O D A L C O R R E L A T I O N S

PARTIAL MATRIX SHOWING CORRELATION FACTORS BETWEEN NEARBY MODES

SPEC HORIZ ----------

MODE I	PERIOD	I	I+1	I+2	I+3	I+4	I+5	I+6	I+7	I+8	I+9
1	0.484706	1.000	0.007	0.006	0.006	0.005	0.005	0.005	0.004	0.004	0.003
2	0.171480	1.000	0.664	0.433	0.234	0.206	0.163	0.085	0.075	0.056	0.053
3	0.159717	1.000	0.843	0.456	0.391	0.294	0.132	0.114	0.081	0.076	0.059
4	0.152980	1.000	0.696	0.601	0.446	0.182	0.154	0.105	0.098	0.074	0.065
5	0.143206	1.000	0.977	0.830	0.321	0.262	0.165	0.152	0.109	0.093	0.060
6	0.141018	1.000	0.918	0.371	0.301	0.186	0.170	0.121	0.103	0.065	0.057
7	0.136872	1.000	0.500	0.401	0.238	0.216	0.149	0.125	0.076	0.066	0.054
8	0.123856	1.000	0.953	0.619	0.552	0.344	0.272	0.143	0.118	0.092	0.087
9	0.121146	1.000	0.759	0.685	0.428	0.333	0.168	0.137	0.105	0.100	0.084
10	0.114513	1.000	0.987	0.740	0.582	0.267	0.210	0.154	0.145	0.119	0.107
11	0.113203	1.000	0.815	0.651	0.297	0.231	0.168	0.158	0.129	0.116	0.091
12	0.107935	1.000	0.939	0.471	0.357	0.248	0.230	0.183	0.162	0.122	0.116
13	0.105213	1.000	0.607	0.459	0.312	0.288	0.225	0.197	0.146	0.138	0.114
14	0.097092	1.000	0.927	0.686	0.631	0.478	0.407	0.280	0.262	0.205	0.167
15	0.094409	1.000	0.864	0.811	0.631	0.538	0.364	0.339	0.260	0.209	0.178
16	0.090743	1.000	0.993	0.881	0.781	0.539	0.500	0.376	0.295	0.247	0.183
17	0.089958	1.000	0.927	0.836	0.588	0.546	0.409	0.319	0.267	0.196	0.189
18	0.087472	1.000	0.974	0.764	0.715	0.542	0.419	0.346	0.248	0.238	0.212

19	0.086066	1.000	0.866	0.820	0.636	0.493	0.405	0.287	0.275	0.244	0.229
20	0.082744	1.000	0.994	0.884	0.722	0.599	0.418	0.399	0.349	0.326	0.315
21	0.082128	1.000	0.923	0.771	0.645	0.450	0.430	0.376	0.350	0.338	0.330
22	0.079799	1.000	0.938	0.829	0.600	0.573	0.500	0.464	0.447	0.437	0.431
23	0.077773	1.000	0.963	0.762	0.732	0.645	0.600	0.579	0.566	0.557	0.552
24	0.076256	1.000	0.884	0.857	0.771	0.723	0.699	0.684	0.675	0.669	0.664
25	0.073546	1.000	0.998	0.968	0.938	0.921	0.909	0.901	0.896	0.892	0.889
26	0.073209	1.000	0.982	0.958	0.942	0.932	0.925	0.920	0.916	0.914	0.912
27	0.072214	1.000	0.995	0.988	0.982	0.978	0.976	0.973	0.972	0.971	0.970
28	0.071687	1.000	0.999	0.996	0.994	0.993	0.992	0.991	0.990	0.990	0.958
29	0.071420	1.000	0.999	0.999	0.998	0.997	0.997	0.996	0.996	0.971	0.963
30	0.071256	1.000	1.000	0.999	0.999	0.999	0.998	0.998	0.978	0.971	0.879
31	0.071151	1.000	1.000	1.000	1.000	0.999	0.999	0.982	0.976	0.887	0.828
32	0.071083	1.000	1.000	1.000	1.000	1.000	0.985	0.978	0.893	0.834	0.820
33	0.071027	1.000	1.000	1.000	1.000	0.987	0.981	0.897	0.839	0.825	0.801
34	0.071000	1.000	1.000	1.000	0.987	0.982	0.899	0.842	0.827	0.803	0.782
35	0.070972	1.000	1.000	0.988	0.983	0.901	0.844	0.830	0.806	0.785	0.772
36	0.070961	1.000	0.989	0.983	0.902	0.845	0.831	0.807	0.786	0.773	0.765
37	0.070205	1.000	0.999	0.953	0.907	0.894	0.873	0.853	0.841	0.834	0.828
38	0.070037	1.000	0.962	0.919	0.907	0.886	0.867	0.856	0.849	0.843	0.840
39	0.068660	1.000	0.990	0.985	0.975	0.964	0.957	0.952	0.948	0.947	0.944
40	0.067988	1.000	0.999	0.996	0.991	0.987	0.985	0.982	0.981	0.980	0.979
41	0.067830	1.000	0.999	0.995	0.992	0.990	0.988	0.987	0.986	0.985	0.968
42	0.067577	1.000	0.999	0.997	0.996	0.995	0.994	0.993	0.993	0.979	0.964
43	0.067353	1.000	1.000	0.999	0.998	0.998	0.997	0.997	0.988	0.975	0.879
44	0.067220	1.000	1.000	1.000	0.999	0.999	0.999	0.992	0.981	0.890	0.815
45	0.067142	1.000	1.000	1.000	1.000	1.000	0.993	0.984	0.897	0.822	0.780
46	0.067078	1.000	1.000	1.000	1.000	0.995	0.986	0.902	0.828	0.786	0.764
47	0.067053	1.000	1.000	1.000	0.995	0.987	0.904	0.831	0.789	0.766	0.748
48	0.067013	1.000	1.000	0.996	0.988	0.907	0.834	0.793	0.770	0.751	0.740
49	0.066997	1.000	0.996	0.989	0.908	0.836	0.794	0.772	0.753	0.741	0.731
50	0.066601	1.000	0.998	0.937	0.872	0.832	0.810	0.791	0.780	0.770	0.767
51	0.066286	1.000	0.957	0.898	0.861	0.839	0.822	0.810	0.801	0.797	0.793
52	0.064903	1.000	0.985	0.965	0.951	0.939	0.931	0.923	0.921	0.918	0.916
53	0.064096	1.000	0.996	0.990	0.983	0.979	0.974	0.973	0.971	0.969	0.787
54	0.063674	1.000	0.999	0.996	0.993	0.991	0.990	0.988	0.988	0.829	0.379
55	0.063452	1.000	0.999	0.998	0.996	0.996	0.995	0.994	0.851	0.393	0.327
56	0.063271	1.000	1.000	0.999	0.999	0.998	0.998	0.868	0.404	0.336	0.257
57	0.063157	1.000	1.000	1.000	0.999	0.999	0.878	0.411	0.342	0.261	0.171
58	0.063062	1.000	1.000	1.000	1.000	0.887	0.417	0.347	0.265	0.173	0.162
59	0.063029	1.000	1.000	1.000	0.890	0.419	0.348	0.266	0.174	0.163	0.124
60	0.062990	1.000	1.000	0.893	0.422	0.350	0.268	0.175	0.163	0.125	0.116
61	0.062964	1.000	0.895	0.424	0.352	0.269	0.175	0.164	0.125	0.117	0.097
62	0.060850	1.000	0.596	0.493	0.370	0.231	0.215	0.160	0.148	0.121	0.075
63	0.056048	1.000	0.965	0.812	0.502	0.460	0.319	0.289	0.224	0.123	0.108
64	0.054991	1.000	0.922	0.606	0.557	0.383	0.345	0.264	0.140	0.122	0.087
65	0.053415	1.000	0.791	0.735	0.511	0.459	0.345	0.173	0.149	0.104	0.076
66	0.050739	1.000	0.993	0.824	0.755	0.574	0.265	0.223	0.147	0.103	0.086
67	0.050303	1.000	0.876	0.811	0.625	0.287	0.240	0.156	0.109	0.091	0.082
68	0.048447	1.000	0.989	0.863	0.411	0.338	0.210	0.141	0.115	0.102	0.081
69	0.047935	1.000	0.921	0.456	0.374	0.229	0.152	0.123	0.110	0.086	0.071
70	0.046555	1.000	0.611	0.500	0.297	0.190	0.151	0.133	0.102	0.084	0.078
71	0.042988	1.000	0.961	0.648	0.385	0.290	0.247	0.178	0.139	0.128	0.125
72	0.042129	1.000	0.778	0.471	0.350	0.297	0.209	0.161	0.148	0.144	0.126
73	0.039938	1.000	0.784	0.595	0.499	0.335	0.249	0.224	0.218	0.187	0.161
74	0.037898	1.000	0.918	0.814	0.563	0.406	0.361	0.349	0.292	0.246	0.174
75	0.036780	1.000	0.969	0.748	0.547	0.485	0.468	0.388	0.323	0.221	0.210
76	0.036133	1.000	0.860	0.651	0.579	0.559	0.463	0.383	0.257	0.244	0.034
77	0.034708	1.000	0.902	0.832	0.810	0.688	0.571	0.374	0.353	0.041	0.055
78	0.033586	1.000	0.986	0.976	0.894	0.776	0.519	0.488	0.047	0.065	
79	0.033184	1.000	0.999	0.952	0.852	0.585	0.551	0.049	0.069		
80	0.033067	1.000	0.965	0.873	0.605	0.571	0.050	0.071			
81	0.032448	1.000	0.964	0.724	0.685	0.055	0.078				

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     82    0.031832 1.000 0.847 0.809 0.060 0.088
     83    0.030506 1.000 0.996 0.075 0.114
     84    0.030324 1.000 0.078 0.118
     85    0.021583 1.000 0.675
     86    0.023132 1.000


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R E S P O N S E   S P E C T R U M   B A S E   R E A C T I O N S

IN RESPONSE-SPECTRUM LOCAL COORDINATES

SPEC   HORIZ ------------------

   FOR EACH MODE, DUE TO SPECTRAL ACCELERATION IN DIRECTION U1:
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MODE	F1	F2	F3	M1	M2	M3
1	24764.409	.000000	-625.935985	-75112.318	1.4930E+07	-2.9717E+06
2	33.264500	.000000	-256.923263	-30830.792	219887.004	-3991.740
3	2244.466	.000000	1264.501	151740.087	-1.3256E+06	-269335.871
4	10.278311	.000000	484.840365	58180.844	-266667.802	-1233.397
5	267.420324	.000000	40.691509	4882.981	383890.224	-32090.439
6	218.477392	.000000	-899.106325	-107892.759	77911.566	-26217.287
7	125.322223	.000000	12.257530	1470.904	19057.328	-15038.667
8	60.793577	.000000	-87.632886	-10515.946	45048.596	-7295.229
9	31.131460	.000000	104.022158	12482.659	-9190.109	-3735.775
10	5.712568	.000000	17.320982	2078.518	-15375.306	-685.508102
11	69.156063	.000000	-91.461938	-10975.433	96353.126	-8298.728
12	144.284743	.000000	-13.401724	-1608.207	112490.947	-17314.169
13	49.330396	.000000	20.435442	2452.253	5726.394	-5919.647
14	0.444195	.000000	0.909936	109.192337	2369.055	-53.303391
15	84.687874	.000000	102.533623	12304.035	2783.037	-10162.545
16	32.555203	.000000	-68.926047	-8271.126	21171.199	-3906.624
17	66.746509	.000000	-0.868845	-104.261433	8928.411	-8009.581
18	4.211098	.000000	20.335935	2440.312	-2468.245	-505.331811
19	3.270015	.000000	6.765414	811.849686	-2856.703	-392.401839
20	20.005204	.000000	32.659678	3919.161	5247.293	-2400.624
21	0.065629	.000000	0.825064	99.007624	92.291290	-7.875491
22	0.030431	.000000	-1.195432	-143.451824	200.523115	-3.651738
23	0.210249	.000000	-0.462839	-55.540692	103.182558	-25.229940
24	0.473582	.000000	1.675106	201.012769	-200.990480	-56.829822
25	0.067209	.000000	0.183845	22.061349	-26.618047	-8.065090
26	0.965562	.000000	1.121021	134.522553	168.566036	-115.867441
27	0.032764	.000000	-0.053205	-6.384604	22.730537	-3.931669
28	0.004951	.000000	0.002365	0.283858	2.603609	-0.594145
29	0.034276	.000000	0.011075	1.328945	1.845788	-4.113149
30	0.004592	.000000	0.004600	0.551959	-5.658649	-0.551091
31	0.013644	.000000	-0.001757	-0.210875	1.553438	-1.637322
32	0.000327	.000000	-0.000701	-0.084087	0.101658	-0.039262
33	0.001777	.000000	0.001807	0.216877	-2.191917	-0.213213
34	0.010496	.000000	0.002036	0.244318	4.058933	-1.259462
35	2.42E-05	.000000	-2.41E-05	-0.002895	0.026361	-0.002907
36	0.004025	.000000	0.002745	0.329447	-0.551133	-0.483000
37	0.685990	.000000	0.391639	46.996711	-119.602933	-82.318853
38	1.042042	.000000	0.145275	17.432978	45.726115	-125.045019
39	0.004221	.000000	-0.006025	-0.722942	9.074217	-0.506520
40	0.025811	.000000	0.160140	19.216851	-272.139600	-3.097339
41	0.097373	.000000	0.450330	54.039573	-675.246347	-11.684728
42	0.119120	.000000	-0.011718	-1.406196	33.532510	-14.294403
43	0.092938	.000000	0.058647	7.037620	-106.097483	-11.152611

44	0.070923	.000000	0.063578	7.629376	-75.957389	-8.510765
45	0.023774	.000000	-0.000479	-0.057527	5.142441	-2.852854
46	0.004062	.000000	0.013393	1.607159	-24.722432	-0.487473
47	0.000768	.000000	-0.000139	-0.016669	0.291506	-0.092213
48	0.000103	.000000	0.000170	0.020435	0.279846	-0.012383
49	0.001334	.000000	-0.001156	-0.138761	1.139190	-0.160104
50	0.022244	.000000	-0.014418	-1.730210	58.207251	-2.669261
51	1.116069	.000000	0.134173	16.100787	288.917656	-133.928315
52	0.022952	.000000	-0.035309	-4.237062	-1.352483	-2.754269
53	0.012451	.000000	0.023337	2.800447	14.314491	-1.494077
54	0.189699	.000000	0.089002	10.680208	43.622517	-22.763867
55	0.033103	.000000	0.015426	1.851164	10.674354	-3.972380
56	0.029569	.000000	0.006461	0.775338	3.526122	-3.548339
57	0.010477	.000000	0.000187	0.022439	1.618321	-1.257205
58	0.000803	.000000	0.001187	0.142411	0.311192	-0.096366
59	0.008132	.000000	0.007681	0.921778	-0.937534	-0.975816
60	0.000631	.000000	-0.000160	-0.019167	0.117561	-0.075730
61	0.002573	.000000	-0.001922	-0.230688	-0.780182	-0.308787
62	0.264754	.000000	2.003608	240.433005	138.022243	-31.770448
63	0.464515	.000000	0.116414	13.969696	103.905668	-55.741844
64	0.078860	.000000	-0.516928	-62.031327	-213.854324	-9.463255
65	3.176098	.000000	0.511820	61.418419	714.361604	-381.131745
66	3.792058	.000000	-0.741963	-89.035602	915.163652	-455.046999
67	0.020540	.000000	0.553674	66.440902	-58.999553	-2.464763
68	0.006035	.000000	-0.230525	-27.663059	255.264552	-0.724148
69	1.451276	.000000	-0.528816	-63.457867	660.952601	-174.153173
70	0.001776	.000000	0.106171	12.740562	-66.775933	-0.213141
71	0.004947	.000000	-1.052844	-126.341278	687.236028	-0.593633
72	0.006251	.000000	0.162694	19.523280	-418.570711	-0.750179
73	0.377608	.000000	0.861064	103.327736	-997.299800	-45.312936
74	0.001253	.000000	0.158709	19.045042	-126.233330	-0.150388
75	0.070715	.000000	0.080765	9.691792	-36.354339	-8.485745
76	0.016091	.000000	0.021677	2.601277	-32.541777	-1.930885
77	0.022977	.000000	0.925386	111.046333	-744.442635	-2.757256
78	0.391797	.000000	7.031059	843.727076	-6233.870	-47.015691
79	0.101056	.000000	-0.691074	-82.928844	-537.982500	-12.126694
80	0.159577	.000000	-2.786510	-334.381234	2390.277	-19.149222
81	0.007301	.000000	1.970366	236.443931	-833.202129	-0.876148
82	0.758375	.000000	5.450777	654.093261	1568.759	-91.005042
83	0.095459	.000000	-0.080348	-9.641724	46.740757	-11.455043
84	0.279138	.000000	0.022985	2.758152	272.564295	-33.496597
85	86.149959	.000000	16.055458	1926.655	2340.654	-10337.995
86	8.76E-06	.000000	0.053172	6.380607	-18.492140	-0.001052

COMBINED FOR ALL MODES AND ALL DIRECTIONS OF SPECTRAL ACCELERATION:

	F1	F2	F3	M1	M2	M3
SPEC	24925.608	.000000	1509.770	181172.373	1.4978E+07	2.9911E+06

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J O I N T D I S P L A C E M E N T S

TRANSLATIONS AND ROTATIONS, IN GLOBAL COORDINATES

SPEC HORIZ ----------

JOINT	UX	UY	UZ	RY
1	0.237796	.000000	0.011647	0.000283
2	0.161349	.000000	0.010504	.000000

3	0.015783	.000000	0.000705	.000000
4	0.014548	.000000	0.001803	.000000
A2	.000000	.000000	.000000	0.000465
A3	.000000	.000000	.000000	0.000460
A4	.000000	.000000	.000000	0.000460
A5	.000000	.000000	.000000	0.000461
A6	.000000	.000000	.000000	0.000464
A7	.000000	.000000	.000000	0.000474
A8	.000000	.000000	.000000	0.000544
A9	.000000	.000000	.000000	0.000439
B2	0.025254	.000000	0.008907	0.000325
B3	0.025287	.000000	0.002202	0.000338
B4	0.025347	.000000	0.000461	0.000342
B5	0.025432	.000000	0.004818	0.000346
B6	0.025543	.000000	0.008155	0.000349
B7	0.025677	.000000	0.008494	0.000337
B8	0.028276	.000000	0.002742	0.000325
B9	0.024169	.000000	0.009547	0.000335
C2	0.049109	.000000	0.018035	0.000729
C3	0.048975	.000000	0.004457	0.000687
C4	0.048741	.000000	0.000934	0.000669
C5	0.048426	.000000	0.009756	0.000653
C6	0.048051	.000000	0.016512	0.000638
C7	0.047248	.000000	0.018509	0.000642
C8	0.047259	.000000	0.007816	0.000632
C9	0.047206	.000000	0.021433	0.000673
D1	.000000	.000000	.000000	0.003597
E1	0.079220	.000000	0.005226	0.001656
E2	0.079469	.000000	0.025136	0.000154
E3	0.080383	.000000	0.006211	0.000362
E4	0.081361	.000000	0.001302	0.000510
E5	0.082356	.000000	0.013597	0.000666
E6	0.083313	.000000	0.018754	0.000818
E7	0.084180	.000000	0.021781	0.000880
E8	0.084954	.000000	0.011765	0.000890
E9	0.085568	.000000	0.026883	0.000884
F1	0.074091	.000000	0.014652	0.000301
F2	0.073580	.000000	0.032226	0.000376
F3	0.088159	.000000	0.007957	0.000413
F4	0.098040	.000000	0.001669	0.000461
F5	0.107883	.000000	0.017433	0.000489
F6	0.116400	.000000	0.021019	0.000460
F7	0.121143	.000000	0.025049	0.000536
F8	0.122919	.000000	0.015703	0.000611
F9	0.124672	.000000	0.032328	0.000684
G1	0.120058	.000000	0.024021	0.001731
G2	0.119945	.000000	0.043843	0.001589
G3	0.121340	.000000	0.010917	0.001250
G4	0.125372	.000000	0.002033	0.001083
G5	0.129121	.000000	0.020267	0.000975
G6	0.130223	.000000	0.020171	0.000971
G7	0.136182	.000000	0.027085	0.000912
G8	0.141667	.000000	0.019599	0.000874
G9	0.146634	.000000	0.037734	0.000837
H1	0.204129	.000000	0.033382	0.001268
H2	0.204260	.000000	0.053865	0.001410
H3	0.198142	.000000	0.013959	0.001445
H4	0.198170	.000000	0.002396	0.001429
H5	0.200527	.000000	0.023097	0.001341
H6	0.207524	.000000	0.020525	0.001283
H7	0.207510	.000000	0.029112	0.001148
H8	0.207795	.000000	0.023470	0.001121
H9	0.208178	.000000	0.042563	0.001088

I1	0.238419	.000000	0.042728	0.000921
I2	0.237949	.000000	0.061447	0.000829
I3	0.236987	.000000	0.021290	0.000877
I4	0.237431	.000000	0.001155	0.000884
I5	0.234762	.000000	0.029274	0.000952
I6	0.231574	.000000	0.023661	0.000937
I7	0.227715	.000000	0.031126	0.000949
I8	0.230475	.000000	0.027310	0.000933
I9	0.232454	.000000	0.047377	0.000915
J1	0.301009	.000000	0.052058	0.000981
J2	0.301201	.000000	0.069003	0.001158
J3	0.298409	.000000	0.031194	0.001147
J4	0.298395	.000000	0.000825	0.001128
J5	0.304190	.000000	0.035447	0.001155
J6	0.310222	.000000	0.026788	0.001221
J7	0.308991	.000000	0.030307	0.001246
J8	0.308161	.000000	0.031116	0.001269
J9	0.307470	.000000	0.052132	0.001291
K1	0.328452	.000000	0.061366	0.001226
K2	0.327755	.000000	0.075388	0.001077
K3	0.326318	.000000	0.039428	0.001021
K4	0.327354	.000000	0.000951	0.001134
K5	0.327685	.000000	0.041606	0.001151
K6	0.327186	.000000	0.032796	0.001075
K7	0.325756	.000000	0.029476	0.001113
K8	0.330983	.000000	0.034881	0.001187
K9	0.335099	.000000	0.056867	0.001243
L1	0.425185	.000000	0.070649	0.001626
L2	0.425436	.000000	0.081736	0.001800
L3	0.423708	.000000	0.048762	0.002078
L4	0.429889	.000000	0.001086	0.002026
L5	0.436289	.000000	0.047749	0.001974
L6	0.438847	.000000	0.038795	0.001993
L7	0.441873	.000000	0.025714	0.002082
L8	0.445380	.000000	0.038603	0.002019
L9	0.449079	.000000	0.061838	0.002033
M1	0.450479	.000000	0.079917	1.93E-05
M2	0.457849	.000000	0.083216	2.00E-05
M3	0.464386	.000000	0.049355	2.22E-05
M4	0.468403	.000000	0.001229	1.22E-05
M5	0.469916	.000000	0.048325	1.28E-05
M6	0.468941	.000000	0.044794	2.46E-05
M7	0.473828	.000000	0.021960	2.59E-05
M8	0.476217	.000000	0.042300	3.05E-05
M9	0.482360	.000000	0.062413	2.92E-05
N1	0.450479	.000000	0.080726	5.02E-05
N2	0.457849	.000000	0.082804	1.52E-05
N3	0.464386	.000000	0.049536	1.14E-05
N4	0.468403	.000000	0.001274	9.55E-06
N5	0.469916	.000000	0.048506	8.57E-06
N6	0.468941	.000000	0.043929	9.05E-06
N7	0.473828	.000000	0.020789	4.74E-05
N8	0.476217	.000000	0.040298	9.03E-06
N9	0.482360	.000000	0.062591	6.06E-06
O1	0.468120	.000000	0.083756	0.000131
O7	0.458304	.000000	0.015693	0.000123
P1	0.468120	.000000	0.083807	6.14E-05
P2	0.471453	.000000	0.083206	0.000272
P3	0.473066	.000000	0.049842	0.000213
P4	0.472749	.000000	0.001365	0.000175
P5	0.470106	.000000	0.048853	0.000158
P6	0.465152	.000000	0.044188	0.000165
P7	0.458304	.000000	0.015713	5.76E-05

P8	0.470128	.000000	0.040612	0.000168
P9	0.480010	.000000	0.062865	0.000121
A10	.000000	.000000	.000000	0.000419
A11	.000000	.000000	.000000	0.000411
A12	.000000	.000000	.000000	0.000403
A13	.000000	.000000	.000000	0.000394
A14	.000000	.000000	.000000	0.000384
A15	.000000	.000000	.000000	0.000384
B10	0.023723	.000000	0.005696	0.000353
B11	0.023299	.000000	0.001045	0.000347
B12	0.022899	.000000	0.003582	0.000344
B13	0.022521	.000000	0.011430	0.000345
B14	0.022167	.000000	0.013793	0.000346
B15	0.022149	.000000	0.013348	0.000345
C10	0.048495	.000000	0.011532	0.000679
C11	0.048339	.000000	0.002116	0.000695
C12	0.048133	.000000	0.007252	0.000700
C13	0.047878	.000000	0.023142	0.000692
C14	0.047959	.000000	0.027934	0.000695
C15	0.047999	.000000	0.027027	0.000698
DE1	0.447825	.000000	0.075284	0.000398
DE2	0.452741	.000000	0.082477	0.000567
DE3	0.459246	.000000	0.049064	0.000762
DE4	0.462808	.000000	0.001158	0.000704
DE5	0.465313	.000000	0.048036	0.000567
DE6	0.466363	.000000	0.041795	0.000463
DE7	0.470842	.000000	0.023836	0.000504
DE8	0.473410	.000000	0.040453	0.000494
DE9	0.478324	.000000	0.062126	0.000566
E10	0.086107	.000000	0.011483	0.000866
E11	0.086572	.000000	0.002948	0.000846
E12	0.086984	.000000	0.010107	0.000867
E13	0.087340	.000000	0.027920	0.000934
E14	0.087610	.000000	0.038936	0.000943
E15	0.087786	.000000	0.037667	0.000941
F10	0.126464	.000000	0.011500	0.000780
F11	0.126714	.000000	0.003779	0.000868
F12	0.128523	.000000	0.012959	0.000899
F13	0.131857	.000000	0.032708	0.000853
F14	0.131915	.000000	0.049927	0.000809
F15	0.131996	.000000	0.048277	0.000817
G10	0.152765	.000000	0.011888	0.000804
G11	0.158575	.000000	0.003300	0.000806
G12	0.160381	.000000	0.016840	0.000753
G13	0.158198	.000000	0.038659	0.000731
G14	0.155704	.000000	0.060836	0.000738
G15	0.156143	.000000	0.058774	0.000738
H10	0.208742	.000000	0.012278	0.001031
H11	0.209210	.000000	0.002846	0.000957
H12	0.207895	.000000	0.020750	0.000947
H13	0.209359	.000000	0.044595	0.000991
H14	0.209267	.000000	0.070522	0.001024
H15	0.209295	.000000	0.069208	0.001031
I10	0.234059	.000000	0.012688	0.000904
I11	0.235130	.000000	0.003036	0.000904
I12	0.235700	.000000	0.022636	0.000943
I13	0.235793	.000000	0.051062	0.000961
I14	0.235366	.000000	0.080176	0.000956
I15	0.236039	.000000	0.079563	0.000958
J10	0.307056	.000000	0.013105	0.001327
J11	0.307550	.000000	0.003266	0.001355
J12	0.308222	.000000	0.024520	0.001372
J13	0.311180	.000000	0.057510	0.001401

J14	0.310989	.000000	0.089242	0.001393
J15	0.310991	.000000	0.089834	0.001391
K10	0.337768	.000000	0.013331	0.001173
K11	0.339656	.000000	0.003524	0.001102
K12	0.340818	.000000	0.024792	0.001043
K13	0.341288	.000000	0.065778	0.000955
K14	0.341059	.000000	0.098267	0.001004
K15	0.342001	.000000	0.100003	0.001031
L10	0.445123	.000000	0.013568	0.002053
L11	0.441488	.000000	0.003801	0.002050
L12	0.438105	.000000	0.025063	0.002019
L13	0.434931	.000000	0.074019	0.001971
L14	0.436219	.000000	0.106587	0.001869
L15	0.436176	.000000	0.110066	0.001765
M10	0.485943	.000000	0.013822	5.20E-05
M11	0.486972	.000000	0.004096	7.95E-05
M12	0.485457	.000000	0.025341	9.40E-05
M13	0.481415	.000000	0.074739	9.36E-05
M14	0.474867	.000000	0.109710	5.64E-05
M15	0.469133	.000000	0.120067	3.80E-05
N10	0.485943	.000000	0.013903	5.77E-06
N11	0.486972	.000000	0.004191	9.70E-06
N12	0.485457	.000000	0.025429	1.46E-05
N13	0.481415	.000000	0.074962	1.96E-05
N14	0.474867	.000000	0.109356	2.43E-05
N15	0.469133	.000000	0.121218	7.52E-05
O15	0.496268	.000000	0.124639	0.000194
P10	0.488157	.000000	0.014046	0.000107
P11	0.494333	.000000	0.004380	0.000157
P12	0.498100	.000000	0.025597	0.000237
P13	0.499438	.000000	0.075333	0.000327
P14	0.498757	.000000	0.109878	0.000428
P15	0.496268	.000000	0.124832	9.10E-05
DE10	0.477972	.000000	0.013693	0.000776
DE11	0.476461	.000000	0.003947	0.000910
DE12	0.473730	.000000	0.025202	0.000970
DE13	0.469835	.000000	0.074380	0.000955
DE14	0.466838	.000000	0.108148	0.000752
DE15	0.463470	.000000	0.115069	0.000614
1FIL1	0.060401	.000000	0.003566	0.002684
1FIL2	0.077406	.000000	0.023887	0.000391
1FIL3	0.076887	.000000	0.005903	0.000510
1FIL4	0.076914	.000000	0.001237	0.000595
1FIL5	0.076917	.000000	0.012921	0.000685
1FIL6	0.076899	.000000	0.018358	0.000774
1FIL7	0.077269	.000000	0.021205	0.000828
1FIL8	0.077905	.000000	0.011070	0.000849
1FIL9	0.078553	.000000	0.025924	0.000845
2FIL1	0.086481	.000000	0.019338	0.001048
2FIL2	0.090602	.000000	0.038033	0.000994
2FIL3	0.101034	.000000	0.009425	0.000659
2FIL4	0.109396	.000000	0.001852	0.000502
2FIL5	0.117084	.000000	0.018854	0.000331
2FIL6	0.121744	.000000	0.020597	0.000127
2FIL7	0.128017	.000000	0.026072	0.000151
2FIL8	0.132400	.000000	0.017656	0.000247
2FIL9	0.136449	.000000	0.035037	0.000334
3FIL1	0.224689	.000000	0.038059	0.000549
3FIL2	0.227380	.000000	0.057669	0.000532
3FIL3	0.223731	.000000	0.017589	0.000671
3FIL4	0.223819	.000000	0.001753	0.000686
3FIL5	0.222729	.000000	0.026190	0.000533
3FIL6	0.224412	.000000	0.022099	0.000236

3FIL7	0.221583	.000000	0.030125	0.000149
3FIL8	0.223052	.000000	0.025398	0.000236
3FIL9	0.224124	.000000	0.044979	0.000297
4FIL1	0.314997	.000000	0.056718	0.000327
4FIL2	0.318405	.000000	0.072212	0.000302
4FIL3	0.316481	.000000	0.035320	0.000358
4FIL4	0.316195	.000000	0.000887	0.000369
4FIL5	0.319363	.000000	0.038536	0.000195
4FIL6	0.323035	.000000	0.029799	6.07E-05
4FIL7	0.321634	.000000	0.029897	5.94E-05
4FIL8	0.323540	.000000	0.033009	0.000133
4FIL9	0.325038	.000000	0.054510	0.000261
5FIL1	0.450479	.000000	0.080427	5.01E-06
5FIL2	0.457849	.000000	0.082958	4.33E-06
5FIL3	0.464386	.000000	0.049470	3.32E-06
5FIL4	0.468403	.000000	0.001258	2.28E-06
5FIL5	0.469916	.000000	0.048440	2.14E-06
5FIL6	0.468941	.000000	0.044250	4.07E-06
5FIL7	0.473828	.000000	0.021224	6.73E-06
5FIL8	0.476217	.000000	0.041039	4.77E-06
5FIL9	0.482360	.000000	0.062526	4.19E-06
1FIL10	0.079277	.000000	0.011487	0.000823
1FIL11	0.079845	.000000	0.002802	0.000820
1FIL12	0.080094	.000000	0.009605	0.000837
1FIL13	0.079993	.000000	0.027079	0.000877
1FIL14	0.080197	.000000	0.037000	0.000883
1FIL15	0.080377	.000000	0.035795	0.000884
2FIL10	0.141217	.000000	0.011696	0.000451
2FIL11	0.144836	.000000	0.003539	0.000601
2FIL12	0.147174	.000000	0.014896	0.000608
2FIL13	0.147659	.000000	0.035690	0.000460
2FIL14	0.146151	.000000	0.055392	0.000396
2FIL15	0.146497	.000000	0.053540	0.000407
3FIL10	0.224919	.000000	0.012485	0.000346
3FIL11	0.225138	.000000	0.002937	0.000381
3FIL12	0.224515	.000000	0.021696	0.000435
3FIL13	0.225569	.000000	0.047838	0.000386
3FIL14	0.225562	.000000	0.075365	0.000374
3FIL15	0.225969	.000000	0.074406	0.000393
4FIL10	0.326820	.000000	0.013220	0.000364
4FIL11	0.328632	.000000	0.003395	0.000418
4FIL12	0.330021	.000000	0.024660	0.000445
4FIL13	0.332483	.000000	0.061657	0.000387
4FIL14	0.331923	.000000	0.093775	0.000380
4FIL15	0.332214	.000000	0.094945	0.000403
5FIL10	0.485943	.000000	0.013873	8.13E-06
5FIL11	0.486972	.000000	0.004156	1.30E-05
5FIL12	0.485457	.000000	0.025397	1.57E-05
5FIL13	0.481415	.000000	0.074880	1.61E-05
5FIL14	0.474867	.000000	0.109489	1.07E-05
5FIL15	0.469133	.000000	0.120793	1.14E-05

J O I N T A C C E L E R A T I O N S

TRANSLATIONS AND ROTATIONS, IN GLOBAL COORDINATES

SPEC HORIZ ----------

JOINT	UX	UY	UZ	RY
1	49.027512	.000000	5.711520	0.182955
2	43.021296	.000000	3.258648	.000000
3	10.133467	.000000	0.695331	.000000
4	9.637993	.000000	0.448694	.000000
A2	.000000	.000000	.000000	0.949895
A3	.000000	.000000	.000000	0.925511
A4	.000000	.000000	.000000	0.860610
A5	.000000	.000000	.000000	0.758635
A6	.000000	.000000	.000000	0.621391
A7	.000000	.000000	.000000	0.425562
A8	.000000	.000000	.000000	0.303336
A9	.000000	.000000	.000000	0.360775
B2	47.816227	.000000	3.985016	0.480815
B3	46.493652	.000000	2.827794	0.465471
B4	43.414589	.000000	0.887138	0.446687
B5	38.596870	.000000	2.860205	0.419948
B6	32.081403	.000000	2.209362	0.387161
B7	23.982268	.000000	4.803521	0.404113
B8	18.788974	.000000	1.269634	0.429486
B9	21.042350	.000000	4.112275	0.407923
C2	39.599535	.000000	8.058094	1.334658
C3	39.039925	.000000	5.705404	1.281329
C4	37.617636	.000000	1.788141	1.226657
C5	35.303467	.000000	5.766949	1.155329
C6	32.070411	.000000	4.475347	1.074989
C7	31.518400	.000000	6.809042	1.004744
C8	31.571338	.000000	3.932914	0.990266
C9	30.662638	.000000	6.409280	1.004349
D1	.000000	.000000	.000000	2.456579
E1	50.353358	.000000	1.560649	0.895516
E2	50.480936	.000000	11.165457	0.539133
E3	50.874441	.000000	7.846641	0.427696
E4	51.262768	.000000	2.449221	0.376309
E5	51.649857	.000000	7.910252	0.347355
E6	52.051742	.000000	6.442459	0.329366
E7	52.486162	.000000	7.120889	0.286363
E8	52.961953	.000000	6.009138	0.308236
E9	53.184227	.000000	7.209660	0.309148
F1	32.646342	.000000	4.372337	1.157043
F2	31.159634	.000000	14.051513	1.021146
F3	34.953642	.000000	9.649908	1.006280
F4	35.988151	.000000	2.965440	0.981344
F5	36.724234	.000000	9.638265	0.942905
F6	37.791659	.000000	8.874056	0.951408
F7	39.854395	.000000	7.429806	0.991303
F8	41.269349	.000000	8.056193	0.986998
F9	40.628059	.000000	8.107905	0.891045
G1	38.537201	.000000	7.152946	1.271423
G2	38.015842	.000000	16.146640	1.070328
G3	38.516520	.000000	10.616358	1.065349
G4	39.742098	.000000	3.209657	1.033300
G5	40.734922	.000000	10.850016	0.989387
G6	40.972023	.000000	9.720011	1.025379
G7	41.815400	.000000	7.643984	1.108301
G8	42.505861	.000000	10.035169	1.139746
G9	42.121592	.000000	9.066976	1.045266
H1	47.072093	.000000	9.913006	0.977208
H2	46.742410	.000000	18.401987	0.788855
H3	45.705489	.000000	11.207480	0.743713
H4	45.984121	.000000	3.192982	0.744842
H5	46.698265	.000000	11.629592	0.759513
H6	48.145349	.000000	10.488167	0.823078

H7	48.882148	.000000	7.799617	0.878604
H8	49.519274	.000000	11.950109	0.953776
H9	49.251199	.000000	10.230093	0.927263
I1	49.712545	.000000	12.639181	0.874888
I2	49.438520	.000000	20.263620	0.780107
I3	49.014186	.000000	12.091474	0.771233
I4	49.126568	.000000	2.784795	0.772275
I5	49.620584	.000000	13.066901	0.772202
I6	50.018200	.000000	11.534630	0.795936
I7	50.287711	.000000	7.989523	0.816421
I8	50.988567	.000000	13.781733	0.859573
I9	51.161117	.000000	11.432439	0.842952
J1	55.747047	.000000	15.327859	0.702127
J2	55.633204	.000000	22.091452	0.702073
J3	54.771246	.000000	13.168569	0.689865
J4	54.828889	.000000	2.249458	0.681237
J5	55.924548	.000000	14.333847	0.674651
J6	56.975404	.000000	12.323932	0.671616
J7	57.166594	.000000	7.860377	0.659278
J8	57.364024	.000000	15.524459	0.667872
J9	57.287360	.000000	12.889248	0.631031
K1	59.569694	.000000	17.965977	0.610324
K2	59.436805	.000000	24.150755	0.670658
K3	59.142992	.000000	15.891121	0.623920
K4	59.464713	.000000	2.325326	0.633522
K5	59.653766	.000000	15.672253	0.646857
K6	59.689218	.000000	13.569090	0.639870
K7	59.556520	.000000	7.771758	0.635961
K8	60.093056	.000000	17.159768	0.632196
K9	60.361133	.000000	14.393731	0.608285
L1	72.317886	.000000	20.550575	0.418991
L2	72.348931	.000000	26.190374	0.426680
L3	71.929842	.000000	18.413637	0.485643
L4	72.853158	.000000	2.543777	0.483999
L5	73.840173	.000000	17.159349	0.434590
L6	74.168254	.000000	14.949526	0.448408
L7	74.595686	.000000	7.268926	0.477767
L8	75.125625	.000000	18.683379	0.473689
L9	75.700758	.000000	16.211562	0.476523
M1	76.564310	.000000	23.103106	0.033650
M2	77.788346	.000000	27.806384	0.029521
M3	78.718698	.000000	20.221486	0.049415
M4	79.175896	.000000	2.949763	0.053120
M5	79.215763	.000000	18.920610	0.032911
M6	78.897442	.000000	16.599306	0.036820
M7	79.680933	.000000	6.955744	0.043347
M8	80.172882	.000000	20.140841	0.053099
M9	81.348950	.000000	17.316356	0.059176
N1	76.564310	.000000	23.514564	0.039090
N2	77.788346	.000000	28.430773	0.015990
N3	78.718698	.000000	20.785621	0.016790
N4	79.175896	.000000	3.102937	0.016433
N5	79.215763	.000000	19.499775	0.015282
N6	78.897442	.000000	16.863423	0.013548
N7	79.680933	.000000	6.898474	0.035393
N8	80.172882	.000000	20.422067	0.010604
N9	81.348950	.000000	17.672818	0.009087
O1	80.790880	.000000	24.453746	0.100374
O7	77.836033	.000000	6.065501	0.093386
P1	80.790880	.000000	24.571590	0.046994
P2	81.554029	.000000	29.476204	0.284577
P3	81.856380	.000000	21.778573	0.299513
P4	81.636789	.000000	3.616012	0.298772

P5	80.819401	.000000	20.752854	0.281478
P6	79.485520	.000000	17.615324	0.252753
P7	77.836033	.000000	6.142059	0.043722
P8	79.478276	.000000	21.267605	0.209991
P9	80.951854	.000000	18.248030	0.186210
A10	.000000	.000000	.000000	0.448929
A11	.000000	.000000	.000000	0.485619
A12	.000000	.000000	.000000	0.491547
A13	.000000	.000000	.000000	0.468313
A14	.000000	.000000	.000000	0.391368
A15	.000000	.000000	.000000	0.413486
B10	24.736127	.000000	1.504353	0.391528
B11	26.809061	.000000	1.697740	0.411726
B12	27.219421	.000000	1.380230	0.418705
B13	25.980337	.000000	3.433791	0.408950
B14	23.159465	.000000	4.660470	0.437423
B15	24.371312	.000000	5.930867	0.444970
C10	30.248390	.000000	3.048693	1.050124
C11	32.039704	.000000	3.411699	1.077741
C12	32.915874	.000000	2.789635	1.073990
C13	32.870674	.000000	6.939458	1.031575
C14	34.434027	.000000	7.564045	1.007424
C15	35.077287	.000000	12.007049	1.028354
DE1	76.147940	.000000	21.828596	0.145247
DE2	77.009527	.000000	26.990226	0.148110
DE3	78.137378	.000000	19.326847	0.161321
DE4	78.404123	.000000	2.730885	0.156376
DE5	78.563032	.000000	18.019093	0.168194
DE6	78.556239	.000000	15.747082	0.191670
DE7	79.192868	.000000	7.087511	0.241266
DE8	79.581093	.000000	19.415047	0.290497
DE9	80.426438	.000000	16.755414	0.327197
E10	53.445057	.000000	4.385343	0.373677
E11	53.737609	.000000	4.619781	0.358374
E12	54.052255	.000000	3.862679	0.323914
E13	54.378838	.000000	8.073113	0.267161
E14	54.708920	.000000	10.422195	0.258268
E15	55.036456	.000000	16.725249	0.273927
F10	39.886688	.000000	6.431298	0.838619
F11	39.575199	.000000	5.383954	0.795906
F12	40.389962	.000000	4.864726	0.793558
F13	42.494035	.000000	9.470141	0.832157
F14	43.638144	.000000	13.382817	0.889891
F15	44.612945	.000000	21.363307	0.957441
G10	42.493049	.000000	7.268408	0.990125
G11	42.838902	.000000	5.231086	0.985151
G12	43.349334	.000000	4.851724	1.014976
G13	44.005112	.000000	10.928476	1.084396
G14	44.635634	.000000	16.266326	1.186129
G15	45.932995	.000000	25.832936	1.294118
H10	48.867379	.000000	7.722672	0.938882
H11	47.665568	.000000	4.452624	0.941551
H12	48.649140	.000000	5.071156	0.998069
H13	50.386964	.000000	12.506332	1.070544
H14	51.211372	.000000	19.181684	1.149009
H15	51.920020	.000000	30.144927	1.242510
I10	51.817411	.000000	7.689439	0.843700
I11	52.312954	.000000	5.029506	0.811232
I12	52.668004	.000000	5.465804	0.875027
I13	52.880822	.000000	13.872278	0.971558
I14	52.944436	.000000	22.006910	1.047256
I15	53.625073	.000000	34.258484	1.112155
J10	57.211046	.000000	7.378338	0.611042

J11	57.365889	.000000	5.413220	0.593513
J12	57.486237	.000000	6.186967	0.602238
J13	57.981801	.000000	15.242918	0.616034
J14	58.227683	.000000	25.059671	0.665350
J15	58.450186	.000000	38.162529	0.707604
K10	60.753619	.000000	8.087175	0.576572
K11	60.996468	.000000	5.813477	0.559537
K12	61.100208	.000000	7.221637	0.553389
K13	61.075684	.000000	17.373181	0.552403
K14	60.930747	.000000	28.065862	0.580791
K15	61.228545	.000000	41.818233	0.605609
L10	74.964631	.000000	9.123167	0.482109
L11	74.356671	.000000	6.333833	0.485162
L12	73.860114	.000000	8.418217	0.484428
L13	73.465796	.000000	19.483093	0.476805
L14	73.836661	.000000	31.360414	0.460063
L15	73.845335	.000000	45.217451	0.464345
M10	82.111337	.000000	10.538427	0.054640
M11	82.423296	.000000	7.130712	0.050829
M12	82.252657	.000000	9.757237	0.047616
M13	81.587398	.000000	20.639703	0.046398
M14	80.432024	.000000	34.224919	0.046721
M15	79.500389	.000000	48.468530	0.050359
N10	82.111337	.000000	11.031225	0.008309
N11	82.423296	.000000	7.420976	0.008434
N12	82.252657	.000000	10.191164	0.009296
N13	81.587398	.000000	21.009533	0.010593
N14	80.432024	.000000	34.986446	0.012066
N15	79.500389	.000000	49.411231	0.034788
O15	85.203052	.000000	50.042329	0.088380
P10	82.305889	.000000	12.014961	0.169539
P11	83.488865	.000000	8.201660	0.164599
P12	84.391073	.000000	11.154499	0.170986
P13	84.962226	.000000	21.667377	0.186140
P14	85.234111	.000000	35.978342	0.207413
P15	85.203052	.000000	50.497388	0.041379
DE10	80.431695	.000000	9.794448	0.331153
DE11	80.278691	.000000	6.704079	0.329229
DE12	79.927052	.000000	9.075501	0.320754
DE13	79.365445	.000000	20.054813	0.309009
DE14	78.902131	.000000	32.784548	0.290051
DE15	78.330469	.000000	46.849596	0.300135
1FIL1	39.863714	.000000	1.064936	1.665220
1FIL2	50.431304	.000000	10.657301	0.304734
1FIL3	50.479729	.000000	7.526418	0.323701
1FIL4	50.709186	.000000	2.356086	0.355758
1FIL5	50.945408	.000000	7.601673	0.393739
1FIL6	51.153849	.000000	6.043651	0.428142
1FIL7	51.366123	.000000	7.081061	0.489144
1FIL8	51.787113	.000000	5.645704	0.478859
1FIL9	51.973653	.000000	7.072184	0.456663
2FIL1	40.784860	.000000	5.767522	0.275432
2FIL2	43.912652	.000000	15.208348	0.251733
2FIL3	46.414900	.000000	10.384088	0.170030
2FIL4	47.095850	.000000	3.213813	0.183694
2FIL5	46.950491	.000000	10.539427	0.216913
2FIL6	47.158417	.000000	9.514446	0.239105
2FIL7	48.586294	.000000	7.606718	0.239735
2FIL8	48.525498	.000000	9.060743	0.241541
2FIL9	47.308083	.000000	8.617624	0.212859
3FIL1	51.994078	.000000	11.285597	0.122364
3FIL2	53.860176	.000000	19.398236	0.124145
3FIL3	53.158200	.000000	11.780172	0.148785

3FIL4	53.211001	.000000	3.101331	0.141924
3FIL5	54.083686	.000000	12.530097	0.106983
3FIL6	55.246190	.000000	11.198969	0.102737
3FIL7	55.998038	.000000	7.918322	0.133098
3FIL8	56.657407	.000000	12.887424	0.149542
3FIL9	56.699500	.000000	10.848891	0.152221
4FIL1	59.569556	.000000	16.661091	0.096069
4FIL2	61.749592	.000000	23.156728	0.088800
4FIL3	60.628194	.000000	14.560733	0.121519
4FIL4	60.770982	.000000	2.307165	0.146053
4FIL5	61.571754	.000000	15.052269	0.136133
4FIL6	62.204042	.000000	13.005854	0.136524
4FIL7	62.114791	.000000	7.824745	0.132242
4FIL8	62.193307	.000000	16.370094	0.123997
4FIL9	61.979163	.000000	13.652848	0.123627
5FIL1	76.564310	.000000	23.362845	0.008188
5FIL2	77.788346	.000000	28.201112	0.005813
5FIL3	78.718698	.000000	20.578584	0.008527
5FIL4	79.175896	.000000	3.045576	0.008701
5FIL5	79.215763	.000000	19.286193	0.005369
5FIL6	78.897442	.000000	16.765087	0.005675
5FIL7	79.680933	.000000	6.918506	0.006138
5FIL8	80.172882	.000000	20.317838	0.007732
5FIL9	81.348950	.000000	17.541824	0.008656
1FIL10	52.394075	.000000	4.065593	0.405919
1FIL11	52.764615	.000000	4.480015	0.401435
1FIL12	53.022339	.000000	3.687361	0.420098
1FIL13	53.147889	.000000	7.861316	0.481530
1FIL14	53.452309	.000000	9.909142	0.535166
1FIL15	53.767896	.000000	15.900671	0.545756
2FIL10	46.250025	.000000	7.087054	0.187948
2FIL11	46.103612	.000000	5.636740	0.163209
2FIL12	46.921938	.000000	4.865045	0.146406
2FIL13	49.273051	.000000	10.199728	0.118531
2FIL14	50.939452	.000000	14.873681	0.120895
2FIL15	52.266233	.000000	23.635898	0.126719
3FIL10	56.999709	.000000	7.914725	0.163160
3FIL11	56.260748	.000000	4.919738	0.204083
3FIL12	57.571546	.000000	5.233596	0.189607
3FIL13	59.650878	.000000	13.201970	0.152582
3FIL14	60.285725	.000000	20.641998	0.155587
3FIL15	61.260654	.000000	32.253248	0.157618
4FIL10	62.080062	.000000	7.760886	0.144806
4FIL11	62.280447	.000000	5.679880	0.147193
4FIL12	62.420044	.000000	6.703695	0.152551
4FIL13	62.741749	.000000	16.326029	0.155804
4FIL14	62.632484	.000000	26.599331	0.171879
4FIL15	62.888885	.000000	40.055683	0.172974
5FIL10	82.111337	.000000	10.848498	0.008030
5FIL11	82.423296	.000000	7.312737	0.007664
5FIL12	82.252657	.000000	10.031555	0.007510
5FIL13	81.587398	.000000	20.873718	0.007721
5FIL14	80.432024	.000000	34.705653	0.008109
5FIL15	79.500389	.000000	49.067276	0.010388

S P R I N G F O R C E S

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

SPEC HORIZ ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	0.000283
2	.000000	.000000	.000000	.000000
3	.000000	.000000	.000000	.000000
4	.000000	.000000	.000000	.000000

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R E S T R A I N T F O R C E S (R E A C T I O N S)

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

SPEC HORIZ ----------

JOINT	FX	FY	FZ	MY
A2	1.507884	.000000	2525.014	.000000
A3	1.383143	.000000	624.091157	.000000
A4	1.400281	.000000	130.805998	.000000
A5	1.463043	.000000	1365.902	.000000
A6	1.576251	.000000	2311.762	.000000
A7	3254.273	.000000	544.338316	.000000
A8	6924.562	.000000	710.825141	.000000
A9	2795.778	.000000	616.087393	.000000
D1	8390.095	.000000	11949.919	.000000
A10	1.432265	.000000	1614.549	.000000
A11	1.384644	.000000	296.227584	.000000
A12	1.354091	.000000	1015.295	.000000
A13	1.343087	.000000	3239.977	.000000
A14	1.320527	.000000	3909.787	.000000
A15	3560.996	.000000	6666.378	.000000

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C O N S T R A I N T F O R C E S

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

SPEC HORIZ ----------

JOINT	FX	FY	FZ	MY
M1	2010.038	.000000	.000000	.000000
M2	1710.933	.000000	.000000	.000000
M3	448.105081	.000000	.000000	.000000
M4	471.327272	.000000	.000000	.000000
M5	477.656567	.000000	.000000	.000000
M6	3521.963	.000000	.000000	.000000
M7	459.845564	.000000	.000000	.000000
M8	4783.267	.000000	.000000	.000000
M9	486.476037	.000000	.000000	.000000
N1	2068.417	.000000	.000000	.000000
N2	1683.085	.000000	.000000	.000000
N3	442.104790	.000000	.000000	.000000
N4	441.663298	.000000	.000000	.000000
N5	440.553324	.000000	.000000	.000000

N6	3501.831	.000000	.000000	.000000
N7	381.837473	.000000	.000000	.000000
N8	4757.441	.000000	.000000	.000000
N9	448.696142	.000000	.000000	.000000
O1	932.470336	.000000	.000000	.000000
O7	4303.799	.000000	.000000	.000000
P1	932.457891	.000000	.000000	.000000
P7	4303.796	.000000	.000000	.000000
M10	529.446420	.000000	.000000	.000000
M11	556.279068	.000000	.000000	.000000
M12	567.686405	.000000	.000000	.000000
M13	563.056957	.000000	.000000	.000000
M14	2150.056	.000000	.000000	.000000
M15	2240.661	.000000	.000000	.000000
N10	454.941794	.000000	.000000	.000000
N11	461.094484	.000000	.000000	.000000
N12	466.289131	.000000	.000000	.000000
N13	470.373814	.000000	.000000	.000000
N14	2105.033	.000000	.000000	.000000
N15	2290.570	.000000	.000000	.000000
O15	1012.589	.000000	.000000	.000000
P15	1012.500	.000000	.000000	.000000
5FIL1	60.231803	.000000	.000000	.000000
5FIL2	28.067715	.000000	.000000	.000000
5FIL3	14.054639	.000000	.000000	.000000
5FIL4	33.073366	.000000	.000000	.000000
5FIL5	40.760304	.000000	.000000	.000000
5FIL6	28.488410	.000000	.000000	.000000
5FIL7	89.973525	.000000	.000000	.000000
5FIL8	41.776393	.000000	.000000	.000000
5FIL9	50.315398	.000000	.000000	.000000
5FIL10	79.170861	.000000	.000000	.000000
5FIL11	97.421576	.000000	.000000	.000000
5FIL12	102.696994	.000000	.000000	.000000
5FIL13	93.797612	.000000	.000000	.000000
5FIL14	50.108695	.000000	.000000	.000000
5FIL15	52.430951	.000000	.000000	.000000

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G L O B A L F O R C E B A L A N C E

TOTAL FORCE AND MOMENT AT THE ORIGIN, IN GLOBAL COORDINATES

LOAD DEAD ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	6.63E-15	-2.11E-29	-6106.848	-732821.811	3.0664E+06	-7.95E-13
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	-1.23E-06	.000000
REACTNS	1.53E-12	2.18E-31	6106.848	732821.811	-3.0663E+06	-1.78E-10
CONSTRS	-2.22E-13	.000000	.000000	.000000	-64.964119	2.66E-11
TOTAL	1.32E-12	-2.09E-29	-1.46E-11	-9.31E-10	-1.75E-09	-1.52E-10

LOADMANIFOLD ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-54926.000	-6.5911E+06	2.8637E+07	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000

SPRINGS	.000000	.000000	.000000	.000000	-8.08E-05	.000000
REACTNS	2.39E-11	.000000	54926.000	6.5911E+06	-2.8635E+07	-2.85E-09
CONSTRS	-8.59E-12	.000000	.000000	.000000	-2432.952	1.02E-09
TOTAL	1.53E-11	.000000	-9.46E-11	-1.02E-08	3.02E-08	-1.83E-09

LOAD TBAR ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-31524.000	-3.7829E+06	1.6435E+07	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	-1.59E-05	.000000
REACTNS	1.01E-11	.000000	31524.000	3.7829E+06	-1.6435E+07	-1.21E-09
CONSTRS	-5.68E-12	.000000	.000000	.000000	-911.951780	6.88E-10
TOTAL	4.44E-12	.000000	3.64E-11	5.12E-09	-2.74E-08	-5.25E-10

LOADTOPCOVER ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-21835.000	-2.6202E+06	1.1445E+07	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	1.96E-06	.000000
REACTNS	3.64E-12	.000000	21835.000	2.6202E+06	-1.1443E+07	-4.52E-10
CONSTRS	1.14E-13	.000000	.000000	.000000	-1854.472	-1.33E-11
TOTAL	3.75E-12	.000000	-4.37E-11	-5.12E-09	1.51E-08	-4.65E-10

LOAD PEWALLS ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-7133.000	-855960.000	4.4286E+06	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	3.81E-06	.000000
REACTNS	-2.64E-12	.000000	7133.000	855960.000	-4.4275E+06	3.07E-10
CONSTRS	-2.46E-12	.000000	.000000	.000000	-1154.429	2.99E-10
TOTAL	-5.11E-12	.000000	-9.09E-12	-1.16E-09	2.04E-09	6.06E-10

LOADHOTBASIN ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-12006.000	-1.4407E+06	6.2597E+06	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	-1.77E-05	.000000
REACTNS	4.72E-12	.000000	12006.000	1.4407E+06	-6.2591E+06	-5.59E-10
CONSTRS	-1.86E-12	.000000	.000000	.000000	-531.806839	2.23E-10
TOTAL	2.86E-12	.000000	-2.00E-11	-2.10E-09	5.52E-09	-3.37E-10

LOADDRIFTELM ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-1595.000	-191400.000	831600.000	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	-1.45E-06	.000000
REACTNS	5.76E-13	.000000	1595.000	191400.000	-831541.273	-6.92E-11
CONSTRS	-3.31E-14	.000000	.000000	.000000	-58.727232	3.14E-12
TOTAL	5.42E-13	.000000	-6.82E-13	-5.82E-11	-1.03E-10	-6.60E-11

LOADFANMOTOR ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-6772.000	-812640.000	3.4131E+06	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	-7.35E-05	.000000
REACTNS	8.36E-12	.000000	6772.000	812640.000	-3.4144E+06	-1.00E-09
CONSTRS	-7.78E-13	.000000	.000000	.000000	1265.625	1.00E-10
TOTAL	7.58E-12	.000000	-2.82E-11	-3.49E-09	8.97E-09	-9.01E-10

LOADCABLETRY ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	.000000	.000000	.000000	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	.000000	.000000	.000000	.000000

LOADLOUVERWL ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	.000000	.000000	.000000	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	.000000	.000000	.000000	.000000

LOAD SECDIST ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-480.000000	-57600.000	80640.000	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	4.35E-06	.000000
REACTNS	-8.69E-13	.000000	480.000000	57600.000	-80471.422	1.04E-10
CONSTRS	2.16E-13	.000000	.000000	.000000	-168.578312	-2.37E-11
TOTAL	-6.53E-13	.000000	-1.25E-12	-1.38E-10	3.52E-11	8.03E-11

MODE 1 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-3035.369	.000000	76.720845	9206.501	-1.8299E+06	364244.226
SPRINGS	.000000	.000000	.000000	.000000	3.30E-05	.000000
REACTNS	3035.323	.000000	-76.633606	-9196.033	1.7759E+06	-364238.752
CONSTRS	-0.145454	.000000	.000000	.000000	53906.277	17.454510
TOTAL	-0.191071	.000000	0.087239	10.468675	-128.944113	22.928554

MODE 2 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-823.906094	.000000	6363.560	763627.192	-5.4462E+06	98868.731
SPRINGS	.000000	.000000	.000000	.000000	-0.000146	.000000
REACTNS	823.358765	.000000	-6363.653	-763638.392	5.2889E+06	-98803.052
CONSTRS	-1.284546	.000000	.000000	.000000	156405.437	154.145505
TOTAL	-1.831874	.000000	-0.093334	-11.200055	-937.480273	219.824907

MODE 3 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-7811.323	.000000	-4400.791	-528094.876	4.6133E+06	937358.720
SPRINGS	.000000	.000000	.000000	.000000	-0.000210	.000000
REACTNS	7810.255	.000000	4400.643	528077.201	-4.5865E+06	-937230.641
CONSTRS	-2.306388	.000000	.000000	.000000	-28597.496	276.766536
TOTAL	-3.373711	.000000	-0.147290	-17.674839	-1860.925	404.845265

MODE 4 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-576.606383	.000000	-27199.220	-3.2639E+06	1.4960E+07	69192.766
SPRINGS	.000000	.000000	.000000	.000000	-0.000121	.000000
REACTNS	578.307033	.000000	27199.597	3.2640E+06	-1.5029E+07	-69396.844
CONSTRS	4.449019	.000000	.000000	.000000	71958.297	-533.882323
TOTAL	6.149669	.000000	0.377586	45.310276	3246.740	-737.960328

MODE 5 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-3359.913	.000000	-511.254778	-61350.573	-4.8233E+06	403189.527
SPRINGS	.000000	.000000	.000000	.000000	-0.000329	.000000
REACTNS	3359.143	.000000	514.493523	61739.223	4.9584E+06	-403097.144
CONSTRS	-4.711314	.000000	.000000	.000000	-140285.324	565.357691
TOTAL	-5.481170	.000000	3.238745	388.649352	-5098.528	657.740369

MODE 6 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-3133.040	.000000	12893.490	1.5472E+06	-1.1173E+06	375964.793
SPRINGS	.000000	.000000	.000000	.000000	-0.000139	.000000
REACTNS	3132.055	.000000	-12888.369	-1.5466E+06	1.1760E+06	-375846.587
CONSTRS	-5.799826	.000000	.000000	.000000	-65619.393	695.979086
TOTAL	-6.784873	.000000	5.121267	614.552094	-6905.234	814.184730

MODE 7 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-2522.716	.000000	-246.742081	-29609.050	-383620.884	302725.900
SPRINGS	.000000	.000000	.000000	.000000	-0.000134	.000000
REACTNS	2523.458	.000000	244.557300	29346.876	373128.435	-302814.994
CONSTRS	5.549054	.000000	.000000	.000000	15318.187	-665.886522
TOTAL	6.291505	.000000	-2.184782	-262.173801	4825.738	-754.980577

MODE 8 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-2154.353	.000000	3105.463	372655.502	-1.5964E+06	258522.363
SPRINGS	.000000	.000000	.000000	.000000	7.54E-05	.000000
REACTNS	2153.360	.000000	-3106.249	-372749.827	1.5359E+06	-258403.201

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CONSTRS   -1.735420     .000000     .000000     .000000   58673.543  208.250414

  TOTAL   -2.728438     .000000   -0.786046  -94.325511   -1802.244  327.412585

MODE       9 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    1612.327     .000000    5387.404  646488.470 -475964.246 -193479.256
SPRINGS     .000000     .000000     .000000     .000000   -0.000102     .000000
REACTNS   -1612.016     .000000   -5385.558 -646267.013  368157.767  193441.900
CONSTRS   -0.370679     .000000     .000000     .000000  107091.798   44.481438

  TOTAL   -0.059376     .000000    1.845482  221.457801 -714.680873    7.125106

MODE      10 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -774.551932     .000000   -2348.506 -281820.737  2.0847E+06   92946.232
SPRINGS     .000000     .000000     .000000     .000000    0.000227     .000000
REACTNS  773.491861     .000000    2349.623  281954.789 -2.0703E+06  -92819.023
CONSTRS   -4.413290     .000000     .000000     .000000  -17937.597  529.594757

  TOTAL   -5.473361     .000000    1.117101  134.052084   -3547.367  656.803269

MODE      11 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    2759.182     .000000   -3649.140 -437896.779  3.8443E+06 -331101.851
SPRINGS     .000000     .000000     .000000     .000000    8.21E-05     .000000
REACTNS   -2758.153     .000000    3650.956  438114.734 -3.9347E+06  330978.306
CONSTRS    4.998424     .000000     .000000     .000000   92717.917 -599.810924

  TOTAL    6.027965     .000000    1.816290  217.954815    2296.203 -723.355859

MODE      12 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -4393.660     .000000  408.100057   48972.007 -3.4255E+06  527239.149
SPRINGS     .000000     .000000     .000000     .000000    3.33E-05     .000000
REACTNS    4391.613     .000000 -410.035272  -49204.233  3.6731E+06 -526993.535
CONSTRS   -3.421795     .000000     .000000     .000000 -249453.399  410.615384

  TOTAL   -5.468581     .000000   -1.935215 -232.225820   -1816.394  656.229687

MODE      13 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    2707.647     .000000    1121.661  134599.262  314310.283 -324917.597
SPRINGS     .000000     .000000     .000000     .000000   -0.000524     .000000
REACTNS   -2706.540     .000000   -1106.410 -132769.259 -488593.879  324784.822
CONSTRS    1.324664     .000000     .000000     .000000  167436.653 -158.959663

  TOTAL    2.431120     .000000   15.250023    1830.003   -6846.943 -291.734381

MODE      14 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
```

INERTIA	303.300562	.000000	621.313136	74557.576	1.6176E+06	-36396.067
SPRINGS	.000000	.000000	.000000	.000000	-0.000300	.000000
REACTNS	-305.222025	.000000	-614.811892	-73777.427	-1.7165E+06	36626.643
CONSTRS	-0.208776	.000000	.000000	.000000	95097.186	25.053109
TOTAL	-2.130239	.000000	6.501244	780.149337	-3778.206	255.628683

MODE 15 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-4434.623	.000000	-5369.104	-644292.491	-145731.876	532154.814
SPRINGS	.000000	.000000	.000000	.000000	-9.13E-06	.000000
REACTNS	4430.098	.000000	5381.283	645754.010	46329.020	-531611.753
CONSTRS	-1.032395	.000000	.000000	.000000	92376.211	123.887362
TOTAL	-5.557900	.000000	12.179329	1461.519	-7026.645	666.947952

MODE 16 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	2981.031	.000000	-6311.455	-757374.542	1.9386E+06	-357723.719
SPRINGS	.000000	.000000	.000000	.000000	0.000188	.000000
REACTNS	-2976.055	.000000	6288.825	754659.027	-1.9005E+06	357126.657
CONSTRS	1.619179	.000000	.000000	.000000	-24900.029	-194.301490
TOTAL	6.594688	.000000	-22.629290	-2715.515	13215.142	-791.362567

MODE 17 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-4344.869	.000000	56.557546	6786.906	-581195.586	521384.258
SPRINGS	.000000	.000000	.000000	.000000	7.52E-05	.000000
REACTNS	4343.897	.000000	-49.693015	-5963.162	557009.921	-521267.588
CONSTRS	-0.692681	.000000	.000000	.000000	19954.739	83.121673
TOTAL	-1.664933	.000000	6.864532	823.743791	-4230.926	199.791982

MODE 18 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-1155.807	.000000	-5581.542	-669784.992	677451.583	138696.868
SPRINGS	.000000	.000000	.000000	.000000	7.50E-05	.000000
REACTNS	1153.391	.000000	5594.769	671372.317	-665997.190	-138406.920
CONSTRS	-2.292467	.000000	.000000	.000000	-19844.922	275.096077
TOTAL	-4.708701	.000000	13.227706	1587.325	-8390.529	565.044145

MODE 19 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	1052.844	.000000	2178.255	261390.645	-919770.565	-126341.331
SPRINGS	.000000	.000000	.000000	.000000	-7.97E-05	.000000
REACTNS	-1061.872	.000000	-2158.249	-258989.833	767785.771	127424.639
CONSTRS	-7.297671	.000000	.000000	.000000	135714.309	875.720495
TOTAL	-16.325236	.000000	20.006769	2400.812	-16270.486	1959.028

MODE 20 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	2822.437	.000000	4607.796	552935.524	740315.147	-338692.495
SPRINGS	.000000	.000000	.000000	.000000	-0.000108	.000000
REACTNS	-2815.932	.000000	-4626.838	-555220.563	-677993.568	337911.869
CONSTRS	12.123614	.000000	.000000	.000000	-44907.714	-1454.834
TOTAL	18.628833	.000000	-19.041991	-2285.039	17413.865	-2235.460

MODE 21 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	164.146511	.000000	2063.586	247630.359	230831.974	-19697.581
SPRINGS	.000000	.000000	.000000	.000000	-0.000207	.000000
REACTNS	-164.521318	.000000	-2054.585	-246550.150	-112426.828	19742.558
CONSTRS	-4.529526	.000000	.000000	.000000	-125947.382	543.543164
TOTAL	-4.904334	.000000	9.001744	1080.209	-7542.236	588.520035

MODE 22 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-118.626732	.000000	4660.033	559203.969	-781679.302	14235.208
SPRINGS	.000000	.000000	.000000	.000000	0.000225	.000000
REACTNS	119.341291	.000000	-4660.108	-559212.922	669487.126	-14320.955
CONSTRS	-10.172289	.000000	.000000	.000000	105788.754	1220.675
TOTAL	-9.457731	.000000	-0.074616	-8.953904	-6403.421	1134.928

MODE 23 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	328.881007	.000000	-723.992156	-86879.059	161402.446	-39465.721
SPRINGS	.000000	.000000	.000000	.000000	-0.000165	.000000
REACTNS	-335.952488	.000000	723.571494	86828.579	-139815.647	40314.299
CONSTRS	1.226370	.000000	.000000	.000000	-24829.483	-147.164446
TOTAL	-5.845111	.000000	-0.420662	-50.479452	-3242.684	701.413326

MODE 24 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-514.143378	.000000	-1818.577	-218229.193	218204.995	61697.205
SPRINGS	.000000	.000000	.000000	.000000	-2.40E-05	.000000
REACTNS	522.155939	.000000	1789.636	214756.360	-165074.217	-62658.713
CONSTRS	-9.272692	.000000	.000000	.000000	-41230.368	1112.723
TOTAL	-1.260131	.000000	-28.940268	-3472.832	11900.411	151.215705

MODE 25 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	208.740643	.000000	570.991763	68519.012	-82671.387	-25048.877
SPRINGS	.000000	.000000	.000000	.000000	7.93E-05	.000000
REACTNS	-197.621843	.000000	-577.090734	-69250.888	104898.051	23714.621
CONSTRS	11.125464	.000000	.000000	.000000	-7387.312	-1335.056

```
  TOTAL   22.244265     .000000   -6.098971 -731.876472   14839.352   -2669.312

MODE      26 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  798.732649     .000000  927.331735  111279.808  139441.274  -95847.918
SPRINGS     .000000     .000000     .000000     .000000    6.72E-05     .000000
REACTNS -799.563398     .000000 -922.878702 -110745.444 -148601.676   95947.608
CONSTRS    5.907479     .000000     .000000     .000000    9780.698 -708.897528

  TOTAL    5.076730     .000000    4.453032  534.363878  620.296107 -609.207634

MODE      27 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  151.344335     .000000 -245.766789  -29492.015  104997.791  -18161.320
SPRINGS     .000000     .000000     .000000     .000000    6.38E-06     .000000
REACTNS -149.163809     .000000  258.042444   30965.093 -103657.394   17899.657
CONSTRS    1.244441     .000000     .000000     .000000   -9729.664 -149.332897

  TOTAL    3.424968     .000000   12.275655    1473.079   -8389.268 -410.996128

MODE      28 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   59.729695     .000000   28.536423    3424.371   31409.046   -7167.563
SPRINGS     .000000     .000000     .000000     .000000    1.46E-05     .000000
REACTNS  -54.812311     .000000  -43.440474   -5212.857  -13095.067    6577.477
CONSTRS   10.352269     .000000     .000000     .000000 -404.263021   -1242.272

  TOTAL   15.269653     .000000  -14.904050   -1788.486   17909.716   -1832.358

MODE      29 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -158.367612     .000000  -51.168047   -6140.166   -8528.153   19004.113
SPRINGS     .000000     .000000     .000000     .000000    1.34E-05     .000000
REACTNS  154.632154     .000000   65.300433    7836.052   -4827.637  -18555.858
CONSTRS  -24.615561     .000000     .000000     .000000   -9207.779    2953.867

  TOTAL  -28.351019     .000000   14.132387    1695.886  -22563.569    3402.122

MODE      30 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  -58.243970     .000000  -58.335771   -7000.292   71766.507    6989.276
SPRINGS     .000000     .000000     .000000     .000000    1.44E-05     .000000
REACTNS   63.118711     .000000   50.068363    6008.204  -67761.162   -7574.245
CONSTRS   16.307143     .000000     .000000     .000000    8608.878   -1956.857

  TOTAL   21.181884     .000000   -8.267408 -992.088918   12614.224   -2541.826

MODE      31 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -100.701698     .000000   12.969665    1556.360  -11465.103   12084.204
SPRINGS     .000000     .000000     .000000     .000000   -2.77E-06     .000000
```

```
REACTNS  100.307703     .000000  -15.449304   -1853.917    7180.199  -12036.924
CONSTRS   10.490240     .000000     .000000     .000000    9805.097   -1258.829

  TOTAL   10.096246     .000000   -2.479639 -297.556700    5520.193   -1211.549

MODE      32 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  -15.624725     .000000   33.463379    4015.605   -4854.695    1874.967
SPRINGS     .000000     .000000     .000000     .000000    1.25E-05     .000000
REACTNS   10.459147     .000000  -27.534638   -3304.157   -6269.272   -1255.098
CONSTRS   -2.138815     .000000     .000000     .000000    1042.667  256.657755

  TOTAL   -7.304392     .000000    5.928741  711.448918  -10081.300  876.527098

MODE      33 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   36.470061     .000000   37.096787    4451.614  -44991.323   -4376.407
SPRINGS     .000000     .000000     .000000     .000000   -6.40E-06     .000000
REACTNS  -39.406461     .000000  -31.892034   -3827.044   49474.005    4728.775
CONSTRS   -1.798799     .000000     .000000     .000000   -6048.612  215.855904

  TOTAL   -4.735199     .000000    5.204753  624.570340   -1565.930  568.223934

MODE      34 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  -88.707634     .000000  -17.208016   -2064.962  -34305.902   10644.916
SPRINGS     .000000     .000000     .000000     .000000   -1.00E-05     .000000
REACTNS   82.984204     .000000   39.375118    4725.014   19406.411   -9958.104
CONSTRS  -14.189142     .000000     .000000     .000000   -7633.837    1702.697

  TOTAL  -19.912572     .000000   22.167102    2660.052  -22533.328    2389.509

MODE      35 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -4.265213     .000000    4.247331  509.679696   -4641.331  511.825577
SPRINGS     .000000     .000000     .000000     .000000   -6.49E-06     .000000
REACTNS   11.935028     .000000    3.190318  382.838215    4713.080   -1432.203
CONSTRS   15.161826     .000000     .000000     .000000    7990.805   -1819.419

  TOTAL   22.831640     .000000    7.437649  892.517912    8062.554   -2739.797

MODE      36 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  -54.996847     .000000  -37.512553   -4501.506    7530.586    6599.622
SPRINGS     .000000     .000000     .000000     .000000    4.43E-06     .000000
REACTNS   54.938090     .000000   50.287438    6034.493  -21023.566   -6592.571
CONSTRS   -2.770268     .000000     .000000     .000000    2436.525  332.432149

  TOTAL   -2.829025     .000000   12.774886    1532.986  -11056.454  339.482979

MODE      37 ------------------

                 FX          FY          FZ          MX          MY          MZ
```

APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-734.001298	.000000	-419.049169	-50285.900	127973.661	88080.156
SPRINGS	.000000	.000000	.000000	.000000	-0.000123	.000000
REACTNS	729.647614	.000000	432.929372	51951.525	-128194.889	-87557.714
CONSTRS	-18.598276	.000000	.000000	.000000	-21520.597	2231.793
TOTAL	-22.951959	.000000	13.880203	1665.624	-21741.825	2754.235

MODE 38 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	909.140370	.000000	126.746545	15209.585	39894.231	-109096.844
SPRINGS	.000000	.000000	.000000	.000000	-6.30E-05	.000000
REACTNS	-899.111871	.000000	-137.139950	-16456.794	-29332.472	107893.425
CONSTRS	24.110499	.000000	.000000	.000000	13278.844	-2893.260
TOTAL	34.138998	.000000	-10.393406	-1247.209	23840.603	-4096.680

MODE 39 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	60.278096	.000000	-86.033141	-10323.977	129584.495	-7233.371
SPRINGS	.000000	.000000	.000000	.000000	1.50E-05	.000000
REACTNS	-64.900870	.000000	91.292109	10955.053	-162889.892	7788.104
CONSTRS	-17.079567	.000000	.000000	.000000	22813.596	2049.548
TOTAL	-21.702341	.000000	5.258968	631.076177	-10491.801	2604.281

MODE 40 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	152.109090	.000000	943.731923	113247.831	-1.6038E+06	-18253.091
SPRINGS	.000000	.000000	.000000	.000000	-2.79E-06	.000000
REACTNS	-153.028999	.000000	-942.481603	-113097.792	1.6218E+06	18363.480
CONSTRS	1.147310	.000000	.000000	.000000	-18110.236	-137.677140
TOTAL	0.227400	.000000	1.250321	150.038465	-42.691941	-27.288009

MODE 41 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	296.863058	.000000	1372.933	164752.001	-2.0586E+06	-35623.567
SPRINGS	.000000	.000000	.000000	.000000	-1.89E-05	.000000
REACTNS	-306.172564	.000000	-1372.514	-164701.625	2.0823E+06	36740.708
CONSTRS	-16.492163	.000000	.000000	.000000	-36536.842	1979.060
TOTAL	-25.801668	.000000	0.419801	50.376087	-12876.556	3096.200

MODE 42 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-330.881355	.000000	32.550087	3906.010	-93143.718	39705.763
SPRINGS	.000000	.000000	.000000	.000000	2.10E-05	.000000
REACTNS	331.504791	.000000	-33.977792	-4077.335	123260.186	-39780.575
CONSTRS	9.426382	.000000	.000000	.000000	-20821.974	-1131.166
TOTAL	10.049818	.000000	-1.427705	-171.324562	9294.495	-1205.978

MODE 43 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	294.270093	.000000	185.692953	22283.154	-335935.512	-35312.411
SPRINGS	.000000	.000000	.000000	.000000	-3.36E-05	.000000
REACTNS	-303.950751	.000000	-217.457496	-26094.899	367840.321	36474.090
CONSTRS	-11.211990	.000000	.000000	.000000	-19241.150	1345.439
TOTAL	-20.892648	.000000	-31.764543	-3811.745	12663.659	2507.118

MODE 44 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	258.111940	.000000	231.381418	27765.770	-276433.545	-30973.433
SPRINGS	.000000	.000000	.000000	.000000	-3.29E-05	.000000
REACTNS	-259.450887	.000000	-214.675456	-25761.055	231836.455	31134.106
CONSTRS	-12.146526	.000000	.000000	.000000	26157.756	1457.583
TOTAL	-13.485473	.000000	16.705961	2004.715	-18439.334	1618.257

MODE 45 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	149.795012	.000000	-3.020588	-362.470602	32401.744	-17975.401
SPRINGS	.000000	.000000	.000000	.000000	-3.59E-05	.000000
REACTNS	-140.374443	.000000	35.361741	4243.409	-38559.821	16844.933
CONSTRS	-17.239451	.000000	.000000	.000000	-25118.157	2068.734
TOTAL	-7.818882	.000000	32.341153	3880.938	-31276.234	938.265795

MODE 46 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	62.042816	.000000	204.550029	24546.004	-377583.602	-7445.138
SPRINGS	.000000	.000000	.000000	.000000	2.11E-05	.000000
REACTNS	-65.904331	.000000	-188.235089	-22588.211	358330.924	7908.520
CONSTRS	-20.122714	.000000	.000000	.000000	-3338.666	2414.726
TOTAL	-23.984229	.000000	16.314941	1957.793	-22591.344	2878.107

MODE 47 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	27.004660	.000000	-4.881446	-585.773558	10244.112	-3240.559
SPRINGS	.000000	.000000	.000000	.000000	-9.82E-06	.000000
REACTNS	-27.249938	.000000	10.873447	1304.814	-1288.938	3269.993
CONSTRS	-12.339731	.000000	.000000	.000000	-21445.326	1480.768
TOTAL	-12.585009	.000000	5.992001	719.040103	-12490.152	1510.201

MODE 48 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	9.907937	.000000	16.350585	1962.070	26869.976	-1188.952
SPRINGS	.000000	.000000	.000000	.000000	-1.51E-06	.000000
REACTNS	-15.514774	.000000	-38.124708	-4574.965	-148.595216	1861.773
CONSTRS	6.808408	.000000	.000000	.000000	-11606.545	-817.008945

```
  TOTAL    1.201571     .000000  -21.774123   -2612.895   15114.836 -144.188554

MODE      49 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   35.643969     .000000  -30.892347   -3707.082   30434.190   -4277.276
SPRINGS     .000000     .000000     .000000     .000000   -5.87E-07     .000000
REACTNS  -31.224753     .000000   19.854539    2382.545  -33955.346    3746.970
CONSTRS   11.670171     .000000     .000000     .000000   22489.492   -1400.420

  TOTAL   16.089387     .000000  -11.037807   -1324.537   18968.336   -1930.726

MODE      50 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -147.327665     .000000   95.497507   11459.701 -385524.115   17679.320
SPRINGS     .000000     .000000     .000000     .000000   -1.41E-05     .000000
REACTNS  141.254168     .000000  -92.912715  -11149.526  651277.122  -16950.500
CONSTRS   -6.278563     .000000     .000000     .000000 -270746.485  753.427594

  TOTAL  -12.352060     .000000    2.584792  310.174981   -4993.477    1482.247

MODE      51 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -1053.804     .000000 -126.687700  -15202.524 -272798.941  126456.455
SPRINGS     .000000     .000000     .000000     .000000    1.90E-05     .000000
REACTNS    1050.611     .000000  118.871651   14264.598  232780.508 -126073.315
CONSTRS    2.482659     .000000     .000000     .000000   45795.041 -297.919037

  TOTAL   -0.710174     .000000   -7.816049 -937.925823    5776.607   85.220929

MODE      52 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  157.821194     .000000 -242.786102  -29134.332   -9299.768  -18938.543
SPRINGS     .000000     .000000     .000000     .000000   -1.83E-05     .000000
REACTNS -158.072674     .000000  235.434996   28252.200   15725.708   18968.721
CONSTRS  -24.976764     .000000     .000000     .000000  -27040.662    2997.212

  TOTAL  -25.228244     .000000   -7.351106 -882.132686  -20614.721    3027.389

MODE      53 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  119.268458     .000000  223.552826   26826.339  137122.876  -14312.215
SPRINGS     .000000     .000000     .000000     .000000    4.15E-05     .000000
REACTNS -123.665587     .000000 -207.878081  -24945.370 -159124.390   14839.870
CONSTRS   -2.957590     .000000     .000000     .000000   11819.603  354.910802

  TOTAL   -7.354719     .000000   15.674744    1880.969  -10181.911  882.566264

MODE      54 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -471.903247     .000000 -221.404604  -26568.553 -108517.280   56628.390
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SPRINGS     .000000     .000000     .000000     .000000   -6.70E-05     .000000
REACTNS  467.408882     .000000  199.865112   23983.813  120531.136  -56089.066
CONSTRS    2.374390     .000000     .000000     .000000  726.003095 -284.926799

  TOTAL   -2.119976     .000000  -21.539492   -2584.739   12739.859  254.397105

MODE      55 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -198.549809     .000000  -92.525965  -11103.116  -64023.807   23825.977
SPRINGS     .000000     .000000     .000000     .000000   -6.45E-05     .000000
REACTNS  198.180601     .000000   97.667813   11720.138   60766.636  -23781.672
CONSTRS    6.268219     .000000     .000000     .000000    5607.471 -752.186258

  TOTAL    5.899011     .000000    5.141848  617.021785    2350.300 -707.881300

MODE      56 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  188.758907     .000000   41.245200    4949.424   22509.248  -22651.069
SPRINGS     .000000     .000000     .000000     .000000    4.10E-05     .000000
REACTNS -189.507357     .000000  -42.821678   -5138.601  -18845.610   22740.883
CONSTRS    8.207859     .000000     .000000     .000000    4326.490 -984.943091

  TOTAL    7.459410     .000000   -1.576478 -189.177310    7990.127 -895.129159

MODE      57 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -112.775281     .000000   -2.012817 -241.538030  -17420.229   13533.034
SPRINGS     .000000     .000000     .000000     .000000   -2.48E-05     .000000
REACTNS  115.698468     .000000    8.634853    1036.182   12682.216  -13883.816
CONSTRS   13.145109     .000000     .000000     .000000   12033.790   -1577.413

  TOTAL   16.068296     .000000    6.622036  794.644323    7295.778   -1928.196

MODE      58 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  -31.319852     .000000  -46.285033   -5554.204  -12136.888    3758.382
SPRINGS     .000000     .000000     .000000     .000000   -1.94E-05     .000000
REACTNS   32.913116     .000000   45.698552    5483.826   11262.452   -3949.574
CONSTRS   -2.565413     .000000     .000000     .000000 -809.930678  307.849549

  TOTAL   -0.972149     .000000   -0.586481  -70.377742   -1684.368  116.657919

MODE      59 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  -99.769693     .000000  -94.244680  -11309.362   11502.680   11972.363
SPRINGS     .000000     .000000     .000000     .000000   -1.80E-05     .000000
REACTNS   97.656810     .000000   94.328798   11319.456   -8594.978  -11718.817
CONSTRS    7.606452     .000000     .000000     .000000    3658.327 -912.774233

  TOTAL    5.493568     .000000    0.084118   10.094180    6566.029 -659.228217

MODE      60 ------------------
```

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	27.829383	.000000	-7.043395	-845.207457	5184.209	-3339.526
SPRINGS	.000000	.000000	.000000	.000000	5.63E-06	.000000
REACTNS	-27.075130	.000000	7.347553	881.706350	-1694.013	3249.016
CONSTRS	8.537004	.000000	.000000	.000000	1078.959	-1024.440
TOTAL	9.291256	.000000	0.304157	36.498893	4569.154	-1114.951

MODE 61 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	56.244051	.000000	-42.018700	-5042.244	-17052.759	-6749.286
SPRINGS	.000000	.000000	.000000	.000000	1.19E-05	.000000
REACTNS	-52.011162	.000000	34.179685	4101.562	23562.496	6241.339
CONSTRS	-0.174162	.000000	.000000	.000000	-3652.156	20.899383
TOTAL	4.058727	.000000	-7.839015	-940.681824	2857.581	-487.047240

MODE 62 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-612.086969	.000000	-4632.163	-555859.614	-319095.087	73450.436
SPRINGS	.000000	.000000	.000000	.000000	9.37E-07	.000000
REACTNS	608.960289	.000000	4638.994	556679.325	423643.055	-73075.235
CONSTRS	2.809020	.000000	.000000	.000000	-107200.883	-337.082406
TOTAL	-0.317659	.000000	6.830927	819.711263	-2652.914	38.119127

MODE 63 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-961.305992	.000000	-240.916906	-28910.029	-215030.867	115356.719
SPRINGS	.000000	.000000	.000000	.000000	4.63E-06	.000000
REACTNS	961.525371	.000000	252.881504	30345.780	237377.686	-115383.044
CONSTRS	-9.359122	.000000	.000000	.000000	-34910.609	1123.095
TOTAL	-9.139743	.000000	11.964598	1435.752	-12563.791	1096.769

MODE 64 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-411.980014	.000000	2700.516	324061.863	1.1172E+06	49437.602
SPRINGS	.000000	.000000	.000000	.000000	0.000128	.000000
REACTNS	409.023115	.000000	-2716.723	-326006.742	-1.5806E+06	-49082.774
CONSTRS	7.282404	.000000	.000000	.000000	474519.964	-873.888526
TOTAL	4.325505	.000000	-16.207325	-1944.879	11086.123	-519.060624

MODE 65 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-2775.529	.000000	-447.269547	-53672.346	-624266.528	333063.521
SPRINGS	.000000	.000000	.000000	.000000	2.78E-05	.000000
REACTNS	2778.230	.000000	441.835528	53020.263	579767.707	-333387.599
CONSTRS	7.027527	.000000	.000000	.000000	51440.175	-843.303258
TOTAL	9.728181	.000000	-5.434019	-652.082282	6941.354	-1167.382

MODE 66 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-3370.461	.000000	659.472526	79136.703	-813416.571	404455.278
SPRINGS	.000000	.000000	.000000	.000000	-0.000163	.000000
REACTNS	3366.554	.000000	-656.550053	-78786.006	791360.757	-403986.483
CONSTRS	-12.160339	.000000	.000000	.000000	5526.668	1459.241
TOTAL	-16.066962	.000000	2.922473	350.696741	-16529.147	1928.035

MODE 67 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-252.485873	.000000	-6806.087	-816730.462	725257.048	30298.305
SPRINGS	.000000	.000000	.000000	.000000	-8.11E-05	.000000
REACTNS	257.940537	.000000	6804.841	816580.911	-517257.562	-30952.864
CONSTRS	20.711511	.000000	.000000	.000000	-192990.029	-2485.381
TOTAL	26.166175	.000000	-1.246258	-149.550986	15009.457	-3139.941

MODE 68 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	147.977612	.000000	-5652.865	-678343.809	6.2595E+06	-17757.313
SPRINGS	.000000	.000000	.000000	.000000	-4.23E-06	.000000
REACTNS	-148.399882	.000000	5646.342	677561.097	-6.4250E+06	17807.986
CONSTRS	-25.500430	.000000	.000000	.000000	151387.618	3060.052
TOTAL	-25.922700	.000000	-6.522601	-782.712170	-14110.118	3110.724

MODE 69 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-2346.352	.000000	854.962856	102595.543	-1.0686E+06	281562.244
SPRINGS	.000000	.000000	.000000	.000000	6.51E-05	.000000
REACTNS	2341.586	.000000	-865.000210	-103800.025	1.0390E+06	-280990.297
CONSTRS	-13.141293	.000000	.000000	.000000	24380.530	1576.955
TOTAL	-17.907518	.000000	-10.037354	-1204.483	-5228.418	2148.902

MODE 70 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	87.241713	.000000	5214.900	625787.993	-3.2799E+06	-10469.006
SPRINGS	.000000	.000000	.000000	.000000	-3.42E-05	.000000
REACTNS	-84.041255	.000000	-5195.744	-623489.237	2.9385E+06	10084.951
CONSTRS	17.614305	.000000	.000000	.000000	346126.816	-2113.717
TOTAL	20.814763	.000000	19.156303	2298.756	4779.144	-2497.772

MODE 71 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	171.708913	.000000	-36544.355	-4.3853E+06	2.3854E+07	-20605.070
SPRINGS	.000000	.000000	.000000	.000000	-3.52E-05	.000000
REACTNS	-162.737955	.000000	36561.335	4.3874E+06	-2.3841E+07	19528.555

```
CONSTRS    3.031163     .000000     .000000     .000000  -17232.493 -363.739549

  TOTAL   12.002121     .000000   16.980083    2037.610   -4503.160   -1440.254

MODE      72 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  201.197524     .000000    5236.129  628335.504 -1.3471E+07  -24143.703
SPRINGS     .000000     .000000     .000000     .000000    5.62E-07     .000000
REACTNS -199.337045     .000000   -5226.609 -627193.066  1.3452E+07   23920.445
CONSTRS   -8.488530     .000000     .000000     .000000   13307.736    1018.624

  TOTAL   -6.628052     .000000    9.520322    1142.439   -6178.309  795.366205

MODE      73 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -1745.314     .000000   -3979.865 -477583.782  4.6095E+06  209437.702
SPRINGS     .000000     .000000     .000000     .000000    3.51E-05     .000000
REACTNS    1741.816     .000000    3965.012  475801.500 -4.4583E+06 -209017.910
CONSTRS    9.652018     .000000     .000000     .000000 -141640.386   -1158.242

  TOTAL    6.153752     .000000  -14.852355   -1782.283    9615.628 -738.450285

MODE      74 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  112.042016     .000000   14188.924  1.7027E+06 -1.1286E+07  -13445.042
SPRINGS     .000000     .000000     .000000     .000000   -9.54E-05     .000000
REACTNS -119.815185     .000000  -14199.953 -1.7040E+06  1.0935E+07   14377.822
CONSTRS   -2.964461     .000000     .000000     .000000  350622.582  355.735324

  TOTAL  -10.737631     .000000  -11.028823   -1323.459 -215.345978    1288.516

MODE      75 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -895.277411     .000000   -1022.520 -122702.381  460262.041  107433.289
SPRINGS     .000000     .000000     .000000     .000000   -5.90E-06     .000000
REACTNS  893.286119     .000000    1041.204  124944.506 -467195.878 -107194.334
CONSTRS   -5.961918     .000000     .000000     .000000   -3653.202  715.430108

  TOTAL   -7.953209     .000000   18.684378    2242.125  -10587.038  954.385083

MODE      76 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -442.968889     .000000 -596.765149  -71611.818  895858.304   53156.267
SPRINGS     .000000     .000000     .000000     .000000    7.53E-05     .000000
REACTNS  447.578719     .000000  603.642906   72437.149 -418539.675  -53709.446
CONSTRS   15.055402     .000000     .000000     .000000 -470253.744   -1806.648

  TOTAL   19.665231     .000000    6.877757  825.330858    7064.885   -2359.828

MODE      77 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
```

```
INERTIA  575.062906     .000000   23160.213  2.7792E+06 -1.8632E+07  -69007.549
SPRINGS     .000000     .000000     .000000     .000000    0.000152     .000000
REACTNS -579.769490     .000000  -23196.160 -2.7835E+06  1.8086E+07   69572.339
CONSTRS  -18.140547     .000000     .000000     .000000  545495.403    2176.866

  TOTAL  -22.847131     .000000  -35.947071   -4313.649 -169.435057    2741.656

MODE      78 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -2540.729     .000000  -45595.025 -5.4714E+06  4.0425E+07  304887.441
SPRINGS     .000000     .000000     .000000     .000000   -9.94E-05     .000000
REACTNS    2539.470     .000000   45535.262  5.4642E+06 -4.0822E+07 -304736.346
CONSTRS  -22.838193     .000000     .000000     .000000  400347.180    2740.583

  TOTAL  -24.097316     .000000  -59.762789   -7171.535    4123.530    2891.678

MODE      79 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -1322.673     .000000    9045.148  1.0854E+06  7.0414E+06  158720.756
SPRINGS     .000000     .000000     .000000     .000000    0.000295     .000000
REACTNS    1344.109     .000000   -9006.228 -1.0807E+06 -6.5363E+06 -161293.112
CONSTRS  -12.321660     .000000     .000000     .000000 -528046.880    1478.599

  TOTAL    9.114641     .000000   38.919866    4670.384  -22893.524   -1093.757

MODE      80 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -1674.212     .000000   29234.875  3.5082E+06 -2.5078E+07  200905.448
SPRINGS     .000000     .000000     .000000     .000000   -0.000482     .000000
REACTNS    1661.828     .000000  -29265.987 -3.5119E+06  2.5200E+07 -199419.374
CONSTRS   13.809670     .000000     .000000     .000000 -104638.628   -1657.160

  TOTAL    1.425721     .000000  -31.112182   -3733.462   17539.427 -171.086580

MODE      81 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -372.321975     .000000 -100477.655 -1.2057E+07  4.2489E+07   44678.637
SPRINGS     .000000     .000000     .000000     .000000   -0.000211     .000000
REACTNS  360.244723     .000000  100422.558  1.2051E+07 -4.2310E+07  -43229.367
CONSTRS    1.398773     .000000     .000000     .000000 -163886.881 -167.852710

  TOTAL  -10.678478     .000000  -55.096599   -6611.592   14709.084    1281.417

MODE      82 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    3949.090     .000000   28383.850  3.4061E+06  8.1690E+06 -473890.848
SPRINGS     .000000     .000000     .000000     .000000   -0.001481     .000000
REACTNS   -3960.448     .000000  -28413.224 -3.4096E+06 -8.1525E+06  475253.704
CONSTRS  -18.136851     .000000     .000000     .000000   -7166.342    2176.422

  TOTAL  -29.493982     .000000  -29.374629   -3524.955    9311.607    3539.278

MODE      83 ------------------
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	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-1530.550	.000000	1288.266	154591.903	-749424.297	183665.993
SPRINGS	.000000	.000000	.000000	.000000	-0.000253	.000000
REACTNS	1520.214	.000000	-1390.000	-166799.996	788307.858	-182425.680
CONSTRS	-27.231455	.000000	.000000	.000000	-28012.962	3267.775
TOTAL	-37.567397	.000000	-101.734101	-12208.092	10870.598	4508.088

MODE 84 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-2650.055	.000000	-218.208854	-26185.062	-2.5876E+06	318006.598
SPRINGS	.000000	.000000	.000000	.000000	-0.000651	.000000
REACTNS	2652.270	.000000	183.822646	22058.718	2.5998E+06	-318272.420
CONSTRS	-42.556095	.000000	.000000	.000000	-34165.744	5106.731
TOTAL	-40.340912	.000000	-34.386208	-4126.345	-21976.679	4840.909

MODE 85 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-94132.925	.000000	-17543.215	-2.1052E+06	-2.5575E+06	1.1296E+07
SPRINGS	.000000	.000000	.000000	.000000	0.001109	.000000
REACTNS	139377.806	.000000	14717.307	1.7661E+06	1.0994E+07	-1.6725E+07
CONSTRS	-20260.951	.000000	.000000	.000000	-1.1984E+07	2.4313E+06
TOTAL	24983.930	.000000	-2825.908	-339108.975	-3.5477E+06	-2.9981E+06

MODE 86 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-26.012465	.000000	-157830.548	-1.8940E+07	5.4891E+07	3121.496
SPRINGS	.000000	.000000	.000000	.000000	-0.000442	.000000
REACTNS	-5067.572	.000000	234245.140	2.8109E+07	-8.8491E+07	608108.667
CONSTRS	-2994.691	.000000	.000000	.000000	-1.8224E+06	359362.952
TOTAL	-8088.276	.000000	76414.592	9.1698E+06	-3.5423E+07	970593.115

SPEC HORIZ ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	24925.608	.000000	1509.770	181172.373	1.4978E+07	2.9911E+06
SPRINGS	.000000	.000000	.000000	.000000	0.000283	.000000
REACTNS	24925.386	.000000	1509.442	181133.056	1.4539E+07	2.9910E+06
CONSTRS	18.617276	.000000	.000000	.000000	440407.459	2234.073
TOTAL	22.961603	.000000	2.775588	333.070538	3602.118	2755.392

COMBDEADLOAD ---------- MAX

	FX	FY	FZ	MX	MY	MZ
APPLIED	6.63E-15	2.11E-29	142377.848	1.7085E+07	7.4598E+07	7.95E-13
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	0.000201	.000000
REACTNS	5.63E-11	2.18E-31	142377.848	1.7085E+07	7.4592E+07	6.73E-09
CONSTRS	1.99E-11	.000000	.000000	.000000	8443.507	2.40E-09

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  TOTAL    4.15E-11    2.09E-29    2.48E-10    2.84E-08    9.11E-08    4.96E-09

COMBDEADLOAD ------------------ MIN

                FX          FY          FZ          MX          MY          MZ
APPLIED   -6.63E-15   -2.11E-29 -142377.848 -1.7085E+07 -7.4598E+07   -7.95E-13
INERTIA     .000000     .000000     .000000     .000000     .000000     .000000
SPRINGS     .000000     .000000     .000000     .000000   -0.000201     .000000
REACTNS   -5.63E-11   -2.18E-31 -142377.848 -1.7085E+07 -7.4592E+07   -6.73E-09
CONSTRS   -1.99E-11     .000000     .000000     .000000   -8443.507   -2.40E-09

  TOTAL   -4.15E-11   -2.09E-29   -2.48E-10   -2.84E-08   -9.11E-08   -4.96E-09


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F R A M E   E L E M E N T   I N T E R N A L   F O R C E S

ELEM       1 ================== LENGTH =   18.250000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3350.710   96.391351     .000000     .000000     .000000    2.46E-12
0.50000    3350.710   96.391351     .000000     .000000     .000000  879.571080
1.00000    3350.710   96.391351     .000000     .000000     .000000    1759.142

ELEM       2 ================== LENGTH =    8.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3350.472   88.627041     .000000     .000000     .000000    1759.142
0.50000    3350.472   88.627041     .000000     .000000     .000000    2133.204
1.00000    3350.472   88.627041     .000000     .000000     .000000    2508.046

ELEM       3 ================== LENGTH =   48.250000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3350.149   76.350453     .000000     .000000     .000000    2508.046
0.50000    3350.149   76.350453     .000000     .000000     .000000  667.925884
1.00000    3350.149   76.350453     .000000     .000000     .000000    1177.944

ELEM       4 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3349.144   30.306698     .000000     .000000     .000000    1177.944
0.50000    3349.144   30.306698     .000000     .000000     .000000  875.590027
1.00000    3349.144   30.306698     .000000     .000000     .000000  640.539839

ELEM       5 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3346.210   14.493266     .000000     .000000     .000000  640.539839
0.50000    3346.210   14.493266     .000000     .000000     .000000  506.315513
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1.00000    3346.210   14.493266     .000000     .000000     .000000  403.627652

ELEM       6 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3344.570   23.664939     .000000     .000000     .000000  403.627652
0.50000    3344.570   23.664939     .000000     .000000     .000000  176.813985
1.00000    3344.570   23.664939     .000000     .000000     .000000  738.081895

ELEM       7 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3342.292   22.728056     .000000     .000000     .000000  738.081895
0.50000    3342.292   22.728056     .000000     .000000     .000000  533.150598
1.00000    3342.292   22.728056     .000000     .000000     .000000  415.336994

ELEM       8 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3336.460   49.360597     .000000     .000000     .000000  415.336994
0.50000    3336.460   49.360597     .000000     .000000     .000000  281.024147
1.00000    3336.460   49.360597     .000000     .000000     .000000  828.943455

ELEM       9 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3333.556   33.388854     .000000     .000000     .000000  828.943455
0.50000    3333.556   33.388854     .000000     .000000     .000000  102.768539
1.00000    3333.556   33.388854     .000000     .000000     .000000  786.284334

ELEM      10 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3330.025   29.718592     .000000     .000000     .000000  786.284334
0.50000    3330.025   29.718592     .000000     .000000     .000000  477.186471
1.00000    3330.025   29.718592     .000000     .000000     .000000  302.540704

ELEM      11 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3321.051   68.497889     .000000     .000000     .000000  302.540704
0.50000    3321.051   68.497889     .000000     .000000     .000000  666.255094
1.00000    3321.051   68.497889     .000000     .000000     .000000    1465.451

ELEM      12 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3316.914   54.920533     .000000     .000000     .000000    1465.451
0.50000    3316.914   54.920533     .000000     .000000     .000000  155.543532
```

```
1.00000    3316.914   54.920533     .000000     .000000     .000000    1172.851

ELEM      14 ================== LENGTH =    9.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  941.849076   13.987732     .000000     .000000     .000000  105.427874
0.50000  941.849076   13.987732     .000000     .000000     .000000   41.770531
1.00000  941.849076   13.987732     .000000     .000000     .000000   32.980827

ELEM      15 ================== LENGTH =    5.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  938.224411   70.314099     .000000     .000000     .000000   32.980827
0.50000  938.224411   70.314099     .000000     .000000     .000000  170.915492
1.00000  938.224411   70.314099     .000000     .000000     .000000  365.820658

ELEM      16 ================== LENGTH =   63.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  836.611183   10.899932     .000000     .000000     .000000  365.820658
0.50000  836.611183   10.899932     .000000     .000000     .000000   22.473048
1.00000  836.611183   10.899932     .000000     .000000     .000000  320.875072

ELEM      17 ================== LENGTH =   21.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   62.838068   15.279765     .000000     .000000     .000000  320.875072
0.50000   62.838068   15.279765     .000000     .000000     .000000  160.437536
1.00000   62.838068   15.279765     .000000     .000000     .000000    2.04E-11

ELEM      18 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   50.884978     .000000     .000000     .000000     .000000     .000000
0.25000   50.884978     .000000     .000000     .000000     .000000     .000000
0.50000   50.884978     .000000     .000000     .000000     .000000     .000000
0.75000   50.884978     .000000     .000000     .000000     .000000     .000000
1.00000   50.884978     .000000     .000000     .000000     .000000     .000000

ELEM      19 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  105.404597     .000000     .000000     .000000     .000000     .000000
0.25000  105.404597     .000000     .000000     .000000     .000000     .000000
0.50000  105.404597     .000000     .000000     .000000     .000000     .000000
0.75000  105.404597     .000000     .000000     .000000     .000000     .000000
1.00000  105.404597     .000000     .000000     .000000     .000000     .000000

ELEM      20 ================== LENGTH =  103.966341

SPEC   HORIZ ------------------
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	11984.835	.000000	.000000	.000000	.000000	.000000
0.50000	11984.835	.000000	.000000	.000000	.000000	.000000
1.00000	11984.835	.000000	.000000	.000000	.000000	.000000

ELEM 21 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	112.184615	.000000	.000000	.000000	.000000	.000000
0.25000	112.184615	.000000	.000000	.000000	.000000	.000000
0.50000	112.184615	.000000	.000000	.000000	.000000	.000000
0.75000	112.184615	.000000	.000000	.000000	.000000	.000000
1.00000	112.184615	.000000	.000000	.000000	.000000	.000000

ELEM 22 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	28.230810	.000000	.000000	.000000	.000000	.000000
0.25000	28.230810	.000000	.000000	.000000	.000000	.000000
0.50000	28.230810	.000000	.000000	.000000	.000000	.000000
0.75000	28.230810	.000000	.000000	.000000	.000000	.000000
1.00000	28.230810	.000000	.000000	.000000	.000000	.000000

ELEM 23 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	39.313388	.000000	.000000	.000000	.000000	.000000
0.25000	39.313388	.000000	.000000	.000000	.000000	.000000
0.50000	39.313388	.000000	.000000	.000000	.000000	.000000
0.75000	39.313388	.000000	.000000	.000000	.000000	.000000
1.00000	39.313388	.000000	.000000	.000000	.000000	.000000

ELEM 24 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	97.076271	.000000	.000000	.000000	.000000	.000000
0.25000	97.076271	.000000	.000000	.000000	.000000	.000000
0.50000	97.076271	.000000	.000000	.000000	.000000	.000000
0.75000	97.076271	.000000	.000000	.000000	.000000	.000000
1.00000	97.076271	.000000	.000000	.000000	.000000	.000000

ELEM 25 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	48.058213	.000000	.000000	.000000	.000000	.000000
0.25000	48.058213	.000000	.000000	.000000	.000000	.000000
0.50000	48.058213	.000000	.000000	.000000	.000000	.000000
0.75000	48.058213	.000000	.000000	.000000	.000000	.000000
1.00000	48.058213	.000000	.000000	.000000	.000000	.000000

ELEM 26 ========== LENGTH = 72.000000

```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  142.361690     .000000     .000000     .000000     .000000     .000000
0.25000  142.361690     .000000     .000000     .000000     .000000     .000000
0.50000  142.361690     .000000     .000000     .000000     .000000     .000000
0.75000  142.361690     .000000     .000000     .000000     .000000     .000000
1.00000  142.361690     .000000     .000000     .000000     .000000     .000000

ELEM      27 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   52.923927     .000000     .000000     .000000     .000000     .000000
0.25000   52.923927     .000000     .000000     .000000     .000000     .000000
0.50000   52.923927     .000000     .000000     .000000     .000000     .000000
0.75000   52.923927     .000000     .000000     .000000     .000000     .000000
1.00000   52.923927     .000000     .000000     .000000     .000000     .000000

ELEM      28 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4304.843     .000000     .000000     .000000     .000000     .000000
0.50000    4304.843     .000000     .000000     .000000     .000000     .000000
1.00000    4304.843     .000000     .000000     .000000     .000000     .000000

ELEM      29 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1515.654     .000000     .000000     .000000     .000000     .000000
0.25000    1515.654     .000000     .000000     .000000     .000000     .000000
0.50000    1515.654     .000000     .000000     .000000     .000000     .000000
0.75000    1515.654     .000000     .000000     .000000     .000000     .000000
1.00000    1515.654     .000000     .000000     .000000     .000000     .000000

ELEM      30 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1515.654     .000000     .000000     .000000     .000000     .000000
0.25000    1515.654     .000000     .000000     .000000     .000000     .000000
0.50000    1515.654     .000000     .000000     .000000     .000000     .000000
0.75000    1515.654     .000000     .000000     .000000     .000000     .000000
1.00000    1515.654     .000000     .000000     .000000     .000000     .000000

ELEM      31 ================== LENGTH =   95.671312

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1210.674     .000000     .000000     .000000     .000000     .000000
0.50000    1210.674     .000000     .000000     .000000     .000000     .000000
1.00000    1210.674     .000000     .000000     .000000     .000000     .000000

ELEM      32 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	712.181381	.000000	.000000	.000000	.000000	.000000
0.25000	712.181381	.000000	.000000	.000000	.000000	.000000
0.50000	712.181381	.000000	.000000	.000000	.000000	.000000
0.75000	712.181381	.000000	.000000	.000000	.000000	.000000
1.00000	712.181381	.000000	.000000	.000000	.000000	.000000

ELEM 33 ========== LENGTH = 60.500000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	2525.014	1.507884	.000000	.000000	.000000	1.18E-13
0.50000	2525.014	1.507884	.000000	.000000	.000000	45.613479
1.00000	2525.014	1.507884	.000000	.000000	.000000	91.226958

ELEM 34 ========== LENGTH = 62.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	2524.896	7.306456	.000000	.000000	.000000	91.226958
0.50000	2524.896	7.306456	.000000	.000000	.000000	139.998679
1.00000	2524.896	7.306456	.000000	.000000	.000000	365.351229

ELEM 35 ========== LENGTH = 39.750000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	2524.682	26.332292	.000000	.000000	.000000	365.351229
0.50000	2524.682	26.332292	.000000	.000000	.000000	158.743403
1.00000	2524.682	26.332292	.000000	.000000	.000000	681.701466

ELEM 36 ========== LENGTH = 8.500000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	2520.677	16.642426	.000000	.000000	.000000	681.701466
0.50000	2520.677	16.642426	.000000	.000000	.000000	668.171042
1.00000	2520.677	16.642426	.000000	.000000	.000000	661.962044

ELEM 37 ========== LENGTH = 48.250000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	2520.119	30.241434	.000000	.000000	.000000	661.962044
0.50000	2520.119	30.241434	.000000	.000000	.000000	107.400786
1.00000	2520.119	30.241434	.000000	.000000	.000000	805.874841

ELEM 38 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	4204.629	40.093587	.000000	.000000	.000000	805.874841
0.50000	4204.629	40.093587	.000000	.000000	.000000	518.665278
1.00000	4204.629	40.093587	.000000	.000000	.000000	592.918074

ELEM 39 ========== LENGTH = 24.000000

```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4193.936   28.192723     .000000     .000000     .000000  592.918074
0.50000    4193.936   28.192723     .000000     .000000     .000000  462.860228
1.00000    4193.936   28.192723     .000000     .000000     .000000  553.026463

ELEM      40 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3592.203   25.219972     .000000     .000000     .000000  553.026463
0.50000    3592.203   25.219972     .000000     .000000     .000000  153.266236
1.00000    3592.203   25.219972     .000000     .000000     .000000  688.381372

ELEM      41 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2722.117   29.985974     .000000     .000000     .000000  688.381372
0.50000    2722.117   29.985974     .000000     .000000     .000000  657.932390
1.00000    2722.117   29.985974     .000000     .000000     .000000  806.745824

ELEM      42 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2704.350   69.817874     .000000     .000000     .000000  806.745824
0.50000    2704.350   69.817874     .000000     .000000     .000000  265.193799
1.00000    2704.350   69.817874     .000000     .000000     .000000  945.348042

ELEM      43 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2703.659   33.273393     .000000     .000000     .000000  945.348042
0.50000    2703.659   33.273393     .000000     .000000     .000000  228.333429
1.00000    2703.659   33.273393     .000000     .000000     .000000  697.129912

ELEM      44 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2294.493   29.605235     .000000     .000000     .000000  697.129912
0.50000    2294.493   29.605235     .000000     .000000     .000000  625.953391
1.00000    2294.493   29.605235     .000000     .000000     .000000  741.666043

ELEM      45 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2270.161   93.631149     .000000     .000000     .000000  741.666043
0.50000    2270.161   93.631149     .000000     .000000     .000000  584.370599
1.00000    2270.161   93.631149     .000000     .000000     .000000    1630.259

ELEM      46 ================== LENGTH =   48.000000
```

```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2269.269   56.398779     .000000     .000000     .000000    1630.259
0.50000    2269.269   56.398779     .000000     .000000     .000000  287.016016
1.00000    2269.269   56.398779     .000000     .000000     .000000    1082.274

ELEM      48 ================== LENGTH =    9.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  738.203149   12.941577     .000000     .000000     .000000  106.178874
0.50000  738.203149   12.941577     .000000     .000000     .000000   45.121883
1.00000  738.203149   12.941577     .000000     .000000     .000000   16.019760

ELEM      49 ================== LENGTH =    5.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  735.973089   16.573512     .000000     .000000     .000000   16.019760
0.50000  735.973089   16.573512     .000000     .000000     .000000   61.217091
1.00000  735.973089   16.573512     .000000     .000000     .000000  107.181830

ELEM      50 ================== LENGTH =   84.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  135.200215    1.275974     .000000     .000000     .000000  107.181830
0.50000  135.200215    1.275974     .000000     .000000     .000000   53.590915
1.00000  135.200215    1.275974     .000000     .000000     .000000    1.16E-12

ELEM      51 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    9.033541     .000000     .000000     .000000     .000000     .000000
0.25000    9.033541     .000000     .000000     .000000     .000000     .000000
0.50000    9.033541     .000000     .000000     .000000     .000000     .000000
0.75000    9.033541     .000000     .000000     .000000     .000000     .000000
1.00000    9.033541     .000000     .000000     .000000     .000000     .000000

ELEM      52 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   34.476152     .000000     .000000     .000000     .000000     .000000
0.25000   34.476152     .000000     .000000     .000000     .000000     .000000
0.50000   34.476152     .000000     .000000     .000000     .000000     .000000
0.75000   34.476152     .000000     .000000     .000000     .000000     .000000
1.00000   34.476152     .000000     .000000     .000000     .000000     .000000

ELEM      53 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  187.964924     .000000     .000000     .000000     .000000     .000000
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```
0.25000  187.964924     .000000     .000000     .000000     .000000     .000000
0.50000  187.964924     .000000     .000000     .000000     .000000     .000000
0.75000  187.964924     .000000     .000000     .000000     .000000     .000000
1.00000  187.964924     .000000     .000000     .000000     .000000     .000000

ELEM      54 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2994.605     .000000     .000000     .000000     .000000     .000000
0.25000    2994.605     .000000     .000000     .000000     .000000     .000000
0.50000    2994.605     .000000     .000000     .000000     .000000     .000000
0.75000    2994.605     .000000     .000000     .000000     .000000     .000000
1.00000    2994.605     .000000     .000000     .000000     .000000     .000000

ELEM      55 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1130.815     .000000     .000000     .000000     .000000     .000000
0.50000    1130.815     .000000     .000000     .000000     .000000     .000000
1.00000    1130.815     .000000     .000000     .000000     .000000     .000000

ELEM      56 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  285.363212     .000000     .000000     .000000     .000000     .000000
0.25000  285.363212     .000000     .000000     .000000     .000000     .000000
0.50000  285.363212     .000000     .000000     .000000     .000000     .000000
0.75000  285.363212     .000000     .000000     .000000     .000000     .000000
1.00000  285.363212     .000000     .000000     .000000     .000000     .000000

ELEM      57 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    8610.246     .000000     .000000     .000000     .000000     .000000
0.50000    8610.246     .000000     .000000     .000000     .000000     .000000
1.00000    8610.246     .000000     .000000     .000000     .000000     .000000

ELEM      58 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  591.109511     .000000     .000000     .000000     .000000     .000000
0.25000  591.109511     .000000     .000000     .000000     .000000     .000000
0.50000  591.109511     .000000     .000000     .000000     .000000     .000000
0.75000  591.109511     .000000     .000000     .000000     .000000     .000000
1.00000  591.109511     .000000     .000000     .000000     .000000     .000000

ELEM      59 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1253.193     .000000     .000000     .000000     .000000     .000000
0.25000    1253.193     .000000     .000000     .000000     .000000     .000000
```

```
0.50000    1253.193     .000000     .000000     .000000     .000000     .000000
0.75000    1253.193     .000000     .000000     .000000     .000000     .000000
1.00000    1253.193     .000000     .000000     .000000     .000000     .000000

ELEM      60 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1572.886     .000000     .000000     .000000     .000000     .000000
0.50000    1572.886     .000000     .000000     .000000     .000000     .000000
1.00000    1572.886     .000000     .000000     .000000     .000000     .000000

ELEM      61 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  199.916017     .000000     .000000     .000000     .000000     .000000
0.25000  199.916017     .000000     .000000     .000000     .000000     .000000
0.50000  199.916017     .000000     .000000     .000000     .000000     .000000
0.75000  199.916017     .000000     .000000     .000000     .000000     .000000
1.00000  199.916017     .000000     .000000     .000000     .000000     .000000

ELEM      62 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  594.281654     .000000     .000000     .000000     .000000     .000000
0.25000  594.281654     .000000     .000000     .000000     .000000     .000000
0.50000  594.281654     .000000     .000000     .000000     .000000     .000000
0.75000  594.281654     .000000     .000000     .000000     .000000     .000000
1.00000  594.281654     .000000     .000000     .000000     .000000     .000000

ELEM      63 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  781.588255     .000000     .000000     .000000     .000000     .000000
0.50000  781.588255     .000000     .000000     .000000     .000000     .000000
1.00000  781.588255     .000000     .000000     .000000     .000000     .000000

ELEM      64 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  294.163160     .000000     .000000     .000000     .000000     .000000
0.25000  294.163160     .000000     .000000     .000000     .000000     .000000
0.50000  294.163160     .000000     .000000     .000000     .000000     .000000
0.75000  294.163160     .000000     .000000     .000000     .000000     .000000
1.00000  294.163160     .000000     .000000     .000000     .000000     .000000

ELEM      65 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5173.676     .000000     .000000     .000000     .000000     .000000
0.50000    5173.676     .000000     .000000     .000000     .000000     .000000
1.00000    5173.676     .000000     .000000     .000000     .000000     .000000
```

```
ELEM      66 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  388.569295     .000000     .000000     .000000     .000000     .000000
0.25000  388.569295     .000000     .000000     .000000     .000000     .000000
0.50000  388.569295     .000000     .000000     .000000     .000000     .000000
0.75000  388.569295     .000000     .000000     .000000     .000000     .000000
1.00000  388.569295     .000000     .000000     .000000     .000000     .000000

ELEM      67 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1886.610     .000000     .000000     .000000     .000000     .000000
0.50000    1886.610     .000000     .000000     .000000     .000000     .000000
1.00000    1886.610     .000000     .000000     .000000     .000000     .000000

ELEM      68 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1345.535     .000000     .000000     .000000     .000000     .000000
0.25000    1345.535     .000000     .000000     .000000     .000000     .000000
0.50000    1345.535     .000000     .000000     .000000     .000000     .000000
0.75000    1345.535     .000000     .000000     .000000     .000000     .000000
1.00000    1345.535     .000000     .000000     .000000     .000000     .000000

ELEM      69 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1345.535     .000000     .000000     .000000     .000000     .000000
0.25000    1345.535     .000000     .000000     .000000     .000000     .000000
0.50000    1345.535     .000000     .000000     .000000     .000000     .000000
0.75000    1345.535     .000000     .000000     .000000     .000000     .000000
1.00000    1345.535     .000000     .000000     .000000     .000000     .000000

ELEM      70 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  345.714494     .000000     .000000     .000000     .000000     .000000
0.25000  345.714494     .000000     .000000     .000000     .000000     .000000
0.50000  345.714494     .000000     .000000     .000000     .000000     .000000
0.75000  345.714494     .000000     .000000     .000000     .000000     .000000
1.00000  345.714494     .000000     .000000     .000000     .000000     .000000

ELEM      71 ================== LENGTH =   60.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  624.091157    1.383143     .000000     .000000     .000000    2.63E-14
0.50000  624.091157    1.383143     .000000     .000000     .000000   41.840079
1.00000  624.091157    1.383143     .000000     .000000     .000000   83.680158
```

```
ELEM      72 ================== LENGTH =   62.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  623.978682    6.754325     .000000     .000000     .000000   83.680158
0.50000  623.978682    6.754325     .000000     .000000     .000000  130.706107
1.00000  623.978682    6.754325     .000000     .000000     .000000  338.894045

ELEM      73 ================== LENGTH =   39.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  623.771563   22.539744     .000000     .000000     .000000  338.894045
0.50000  623.771563   22.539744     .000000     .000000     .000000  114.091231
1.00000  623.771563   22.539744     .000000     .000000     .000000  559.063460

ELEM      74 ================== LENGTH =    8.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  620.957818   14.449319     .000000     .000000     .000000  559.063460
0.50000  620.957818   14.449319     .000000     .000000     .000000  514.399074
1.00000  620.957818   14.449319     .000000     .000000     .000000  473.500941

ELEM      75 ================== LENGTH =   48.250000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  620.730073   20.113464     .000000     .000000     .000000  473.500941
0.50000  620.730073   20.113464     .000000     .000000     .000000   82.248873
1.00000  620.730073   20.113464     .000000     .000000     .000000  510.134404

ELEM      76 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1136.719   38.226333     .000000     .000000     .000000  510.134404
0.50000    1136.719   38.226333     .000000     .000000     .000000  271.848032
1.00000    1136.719   38.226333     .000000     .000000     .000000  555.343437

ELEM      77 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1132.081   36.016006     .000000     .000000     .000000  555.343437
0.50000    1132.081   36.016006     .000000     .000000     .000000  455.091756
1.00000    1132.081   36.016006     .000000     .000000     .000000  692.380425

ELEM      78 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1131.766   25.142028     .000000     .000000     .000000  692.380425
0.50000    1131.766   25.142028     .000000     .000000     .000000  165.201549
1.00000    1131.766   25.142028     .000000     .000000     .000000  550.814409
```

```
ELEM      79 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2762.533   29.617495     .000000     .000000     .000000  550.814409
0.50000    2762.533   29.617495     .000000     .000000     .000000  586.716988
1.00000    2762.533   29.617495     .000000     .000000     .000000  798.567207

ELEM      80 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2757.410   63.803948     .000000     .000000     .000000  798.567207
0.50000    2757.410   63.803948     .000000     .000000     .000000  231.766322
1.00000    2757.410   63.803948     .000000     .000000     .000000  801.344799

ELEM      81 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3623.794   28.155176     .000000     .000000     .000000  801.344799
0.50000    3623.794   28.155176     .000000     .000000     .000000  216.695811
1.00000    3623.794   28.155176     .000000     .000000     .000000  604.125076

ELEM      82 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2952.443   28.335056     .000000     .000000     .000000  604.125076
0.50000    2952.443   28.335056     .000000     .000000     .000000  576.515112
1.00000    2952.443   28.335056     .000000     .000000     .000000  728.697709

ELEM      83 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2939.566   87.908235     .000000     .000000     .000000  728.697709
0.50000    2939.566   87.908235     .000000     .000000     .000000  511.840481
1.00000    2939.566   87.908235     .000000     .000000     .000000    1489.491

ELEM      84 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3346.118   45.568129     .000000     .000000     .000000    1489.491
0.50000    3346.118   45.568129     .000000     .000000     .000000  401.295569
1.00000    3346.118   45.568129     .000000     .000000     .000000  703.965663

ELEM      86 ================== LENGTH =    9.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  369.670973   15.721487     .000000     .000000     .000000  121.267916
0.50000  369.670973   15.721487     .000000     .000000     .000000   47.179806
1.00000  369.670973   15.721487     .000000     .000000     .000000   27.441141
```

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ELEM      87 ================== LENGTH =    5.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  360.989037   18.029385     .000000     .000000     .000000   27.441141
0.50000  360.989037   18.029385     .000000     .000000     .000000   37.187417
1.00000  360.989037   18.029385     .000000     .000000     .000000   83.914712

ELEM      88 ================== LENGTH =   84.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  111.442972    0.998985     .000000     .000000     .000000   83.914712
0.50000  111.442972    0.998985     .000000     .000000     .000000   41.957356
1.00000  111.442972    0.998985     .000000     .000000     .000000    3.48E-12

ELEM      89 ================== LENGTH =   60.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    6544.597     .000000     .000000     .000000     .000000     .000000
0.50000    6544.597     .000000     .000000     .000000     .000000     .000000
1.00000    6544.597     .000000     .000000     .000000     .000000     .000000

ELEM      90 ================== LENGTH =   36.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  336.495332    0.559471    4.99E-17     .000000     .000000     .000000
0.25000  336.495332    0.559471    4.99E-17     .000000    4.49E-16    5.035242
0.50000  336.495332    0.559471    4.99E-17     .000000    8.98E-16   10.070483
0.75000  336.495332    0.559471    4.99E-17     .000000    1.35E-15   15.105725
1.00000  336.495332    0.559471    4.99E-17     .000000    1.80E-15   20.140967

ELEM      91 ================== LENGTH =   36.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  697.026044    4.855700    1.03E-16     .000000     .000000     .000000
0.25000  697.026044    4.855700    1.03E-16     .000000    9.30E-16   43.701302
0.50000  697.026044    4.855700    1.03E-16     .000000    1.86E-15   87.402604
0.75000  697.026044    4.855700    1.03E-16     .000000    2.79E-15  131.103907
1.00000  697.026044    4.855700    1.03E-16     .000000    3.72E-15  174.805209

ELEM      92 ================== LENGTH =   60.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    6057.182     .000000     .000000     .000000     .000000     .000000
0.50000    6057.182     .000000     .000000     .000000     .000000     .000000
1.00000    6057.182     .000000     .000000     .000000     .000000     .000000

ELEM      93 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
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```
0.00000   17.732961     .000000     .000000     .000000     .000000     .000000
0.25000   17.732961     .000000     .000000     .000000     .000000     .000000
0.50000   17.732961     .000000     .000000     .000000     .000000     .000000
0.75000   17.732961     .000000     .000000     .000000     .000000     .000000
1.00000   17.732961     .000000     .000000     .000000     .000000     .000000

ELEM      94 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   64.692105     .000000     .000000     .000000     .000000     .000000
0.25000   64.692105     .000000     .000000     .000000     .000000     .000000
0.50000   64.692105     .000000     .000000     .000000     .000000     .000000
0.75000   64.692105     .000000     .000000     .000000     .000000     .000000
1.00000   64.692105     .000000     .000000     .000000     .000000     .000000

ELEM      95 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  201.768887     .000000     .000000     .000000     .000000     .000000
0.25000  201.768887     .000000     .000000     .000000     .000000     .000000
0.50000  201.768887     .000000     .000000     .000000     .000000     .000000
0.75000  201.768887     .000000     .000000     .000000     .000000     .000000
1.00000  201.768887     .000000     .000000     .000000     .000000     .000000

ELEM      96 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2046.080     .000000     .000000     .000000     .000000     .000000
0.25000    2046.080     .000000     .000000     .000000     .000000     .000000
0.50000    2046.080     .000000     .000000     .000000     .000000     .000000
0.75000    2046.080     .000000     .000000     .000000     .000000     .000000
1.00000    2046.080     .000000     .000000     .000000     .000000     .000000

ELEM      97 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  824.416231     .000000     .000000     .000000     .000000     .000000
0.25000  824.416231     .000000     .000000     .000000     .000000     .000000
0.50000  824.416231     .000000     .000000     .000000     .000000     .000000
0.75000  824.416231     .000000     .000000     .000000     .000000     .000000
1.00000  824.416231     .000000     .000000     .000000     .000000     .000000

ELEM      98 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   28.037532     .000000     .000000     .000000     .000000     .000000
0.25000   28.037532     .000000     .000000     .000000     .000000     .000000
0.50000   28.037532     .000000     .000000     .000000     .000000     .000000
0.75000   28.037532     .000000     .000000     .000000     .000000     .000000
1.00000   28.037532     .000000     .000000     .000000     .000000     .000000

ELEM      99 ================== LENGTH =   72.000000
```

```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   90.505827     .000000     .000000     .000000     .000000     .000000
0.25000   90.505827     .000000     .000000     .000000     .000000     .000000
0.50000   90.505827     .000000     .000000     .000000     .000000     .000000
0.75000   90.505827     .000000     .000000     .000000     .000000     .000000
1.00000   90.505827     .000000     .000000     .000000     .000000     .000000

ELEM     100 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  230.782737     .000000     .000000     .000000     .000000     .000000
0.25000  230.782737     .000000     .000000     .000000     .000000     .000000
0.50000  230.782737     .000000     .000000     .000000     .000000     .000000
0.75000  230.782737     .000000     .000000     .000000     .000000     .000000
1.00000  230.782737     .000000     .000000     .000000     .000000     .000000

ELEM     101 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5254.116     .000000     .000000     .000000     .000000     .000000
0.50000    5254.116     .000000     .000000     .000000     .000000     .000000
1.00000    5254.116     .000000     .000000     .000000     .000000     .000000

ELEM     102 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1267.357     .000000     .000000     .000000     .000000     .000000
0.25000    1267.357     .000000     .000000     .000000     .000000     .000000
0.50000    1267.357     .000000     .000000     .000000     .000000     .000000
0.75000    1267.357     .000000     .000000     .000000     .000000     .000000
1.00000    1267.357     .000000     .000000     .000000     .000000     .000000

ELEM     103 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  847.591151     .000000     .000000     .000000     .000000     .000000
0.25000  847.591151     .000000     .000000     .000000     .000000     .000000
0.50000  847.591151     .000000     .000000     .000000     .000000     .000000
0.75000  847.591151     .000000     .000000     .000000     .000000     .000000
1.00000  847.591151     .000000     .000000     .000000     .000000     .000000

ELEM     104 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  847.591151     .000000     .000000     .000000     .000000     .000000
0.25000  847.591151     .000000     .000000     .000000     .000000     .000000
0.50000  847.591151     .000000     .000000     .000000     .000000     .000000
0.75000  847.591151     .000000     .000000     .000000     .000000     .000000
1.00000  847.591151     .000000     .000000     .000000     .000000     .000000

ELEM     105 ================== LENGTH =   72.000000
```

```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  121.290602     .000000     .000000     .000000     .000000     .000000
0.25000  121.290602     .000000     .000000     .000000     .000000     .000000
0.50000  121.290602     .000000     .000000     .000000     .000000     .000000
0.75000  121.290602     .000000     .000000     .000000     .000000     .000000
1.00000  121.290602     .000000     .000000     .000000     .000000     .000000

ELEM     106 ================== LENGTH =   60.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4832.358     .000000     .000000     .000000     .000000     .000000
0.50000    4832.358     .000000     .000000     .000000     .000000     .000000
1.00000    4832.358     .000000     .000000     .000000     .000000     .000000

ELEM     107 ================== LENGTH =   36.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  174.570775    0.559472    4.99E-17     .000000    1.80E-15   20.140994
0.25000  174.570775    0.559472    4.99E-17     .000000    1.35E-15   15.105745
0.50000  174.570775    0.559472    4.99E-17     .000000    8.98E-16   10.070497
0.75000  174.570775    0.559472    4.99E-17     .000000    4.49E-16    5.035248
1.00000  174.570775    0.559472    4.99E-17     .000000    1.28E-30    7.52E-15

ELEM     108 ================== LENGTH =   36.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  361.610891    4.855707    1.03E-16     .000000    3.72E-15  174.805443
0.25000  361.610891    4.855707    1.03E-16     .000000    2.79E-15  131.104082
0.50000  361.610891    4.855707    1.03E-16     .000000    1.86E-15   87.402721
0.75000  361.610891    4.855707    1.03E-16     .000000    9.30E-16   43.701361
1.00000  361.610891    4.855707    1.03E-16     .000000    9.85E-31    4.92E-13

ELEM     109 ================== LENGTH =   60.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    7792.031     .000000     .000000     .000000     .000000     .000000
0.50000    7792.031     .000000     .000000     .000000     .000000     .000000
1.00000    7792.031     .000000     .000000     .000000     .000000     .000000

ELEM     110 ================== LENGTH =   60.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  130.805998    1.400281     .000000     .000000     .000000    1.50E-14
0.50000  130.805998    1.400281     .000000     .000000     .000000   42.358489
1.00000  130.805998    1.400281     .000000     .000000     .000000   84.716979

ELEM     111 ================== LENGTH =   62.000000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000  130.795099    6.748259     .000000     .000000     .000000   84.716979
0.50000  130.795099    6.748259     .000000     .000000     .000000  129.414691
1.00000  130.795099    6.748259     .000000     .000000     .000000  337.409709

ELEM     112 ================== LENGTH =   39.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  130.775157   21.446556     .000000     .000000     .000000  337.409709
0.50000  130.775157   21.446556     .000000     .000000     .000000  109.278365
1.00000  130.775157   21.446556     .000000     .000000     .000000  522.892757

ELEM     113 ================== LENGTH =    8.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  130.511283   13.762629     .000000     .000000     .000000  522.892757
0.50000  130.511283   13.762629     .000000     .000000     .000000  467.268029
1.00000  130.511283   13.762629     .000000     .000000     .000000  412.437173

ELEM     114 ================== LENGTH =   48.250000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  130.489830   17.369775     .000000     .000000     .000000  412.437173
0.50000  130.489830   17.369775     .000000     .000000     .000000   90.936515
1.00000  130.489830   17.369775     .000000     .000000     .000000  444.559627

ELEM     115 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  130.460232   38.724593     .000000     .000000     .000000  444.559627
0.50000  130.460232   38.724593     .000000     .000000     .000000  164.693331
1.00000  130.460232   38.724593     .000000     .000000     .000000  537.119745

ELEM     116 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  129.612414   40.188796     .000000     .000000     .000000  537.119745
0.50000  129.612414   40.188796     .000000     .000000     .000000  451.654365
1.00000  129.612414   40.188796     .000000     .000000     .000000  764.621367

ELEM     117 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  129.579169   26.046065     .000000     .000000     .000000  764.621367
0.50000  129.579169   26.046065     .000000     .000000     .000000  194.026562
1.00000  129.579169   26.046065     .000000     .000000     .000000  521.690246

ELEM     118 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000  488.595531   30.101397     .000000     .000000     .000000  521.690246
0.50000  488.595531   30.101397     .000000     .000000     .000000  563.722496
1.00000  488.595531   30.101397     .000000     .000000     .000000  790.164850

ELEM     119 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  489.025650   62.683627     .000000     .000000     .000000  790.164850
0.50000  489.025650   62.683627     .000000     .000000     .000000  230.212109
1.00000  489.025650   62.683627     .000000     .000000     .000000  783.106018

ELEM     120 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  494.328732   27.877493     .000000     .000000     .000000  783.106018
0.50000  494.328732   27.877493     .000000     .000000     .000000  214.057847
1.00000  494.328732   27.877493     .000000     .000000     .000000  611.284365

ELEM     121 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   64.107944   29.235812     .000000     .000000     .000000  611.284365
0.50000   64.107944   29.235812     .000000     .000000     .000000  554.406126
1.00000   64.107944   29.235812     .000000     .000000     .000000  698.016292

ELEM     122 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   61.690448   90.082820     .000000     .000000     .000000  698.016292
0.50000   61.690448   90.082820     .000000     .000000     .000000  586.250106
1.00000   61.690448   90.082820     .000000     .000000     .000000    1592.874

ELEM     123 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   61.589217   52.429040     .000000     .000000     .000000    1592.874
0.50000   61.589217   52.429040     .000000     .000000     .000000  340.738956
1.00000   61.589217   52.429040     .000000     .000000     .000000  928.214183

ELEM     125 ================== LENGTH =    9.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   59.818138    8.284416     .000000     .000000     .000000   65.576787
0.50000   59.818138    8.284416     .000000     .000000     .000000   26.608310
1.00000   59.818138    8.284416     .000000     .000000     .000000   13.117619

ELEM     126 ================== LENGTH =    5.562500

SPEC   HORIZ ------------------
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	58.539610	12.635937	.000000	.000000	.000000	13.117619
0.50000	58.539610	12.635937	.000000	.000000	.000000	34.996175
1.00000	58.539610	12.635937	.000000	.000000	.000000	68.902480

ELEM 127 ========== LENGTH = 84.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	21.605719	0.820268	.000000	.000000	.000000	68.902480
0.50000	21.605719	0.820268	.000000	.000000	.000000	34.451240
1.00000	21.605719	0.820268	.000000	.000000	.000000	2.43E-12

ELEM 128 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	26.450387	.000000	.000000	.000000	.000000	.000000
0.25000	26.450387	.000000	.000000	.000000	.000000	.000000
0.50000	26.450387	.000000	.000000	.000000	.000000	.000000
0.75000	26.450387	.000000	.000000	.000000	.000000	.000000
1.00000	26.450387	.000000	.000000	.000000	.000000	.000000

ELEM 129 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	93.492566	.000000	.000000	.000000	.000000	.000000
0.25000	93.492566	.000000	.000000	.000000	.000000	.000000
0.50000	93.492566	.000000	.000000	.000000	.000000	.000000
0.75000	93.492566	.000000	.000000	.000000	.000000	.000000
1.00000	93.492566	.000000	.000000	.000000	.000000	.000000

ELEM 130 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	205.051851	.000000	.000000	.000000	.000000	.000000
0.25000	205.051851	.000000	.000000	.000000	.000000	.000000
0.50000	205.051851	.000000	.000000	.000000	.000000	.000000
0.75000	205.051851	.000000	.000000	.000000	.000000	.000000
1.00000	205.051851	.000000	.000000	.000000	.000000	.000000

ELEM 131 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	2041.017	.000000	.000000	.000000	.000000	.000000
0.25000	2041.017	.000000	.000000	.000000	.000000	.000000
0.50000	2041.017	.000000	.000000	.000000	.000000	.000000
0.75000	2041.017	.000000	.000000	.000000	.000000	.000000
1.00000	2041.017	.000000	.000000	.000000	.000000	.000000

ELEM 132 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3

```
0.00000  766.162297     .000000     .000000     .000000     .000000     .000000
0.25000  766.162297     .000000     .000000     .000000     .000000     .000000
0.50000  766.162297     .000000     .000000     .000000     .000000     .000000
0.75000  766.162297     .000000     .000000     .000000     .000000     .000000
1.00000  766.162297     .000000     .000000     .000000     .000000     .000000

ELEM     133 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5597.963     .000000     .000000     .000000     .000000     .000000
0.50000    5597.963     .000000     .000000     .000000     .000000     .000000
1.00000    5597.963     .000000     .000000     .000000     .000000     .000000

ELEM     134 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  481.949728     .000000     .000000     .000000     .000000     .000000
0.25000  481.949728     .000000     .000000     .000000     .000000     .000000
0.50000  481.949728     .000000     .000000     .000000     .000000     .000000
0.75000  481.949728     .000000     .000000     .000000     .000000     .000000
1.00000  481.949728     .000000     .000000     .000000     .000000     .000000

ELEM     135 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  603.198486     .000000     .000000     .000000     .000000     .000000
0.25000  603.198486     .000000     .000000     .000000     .000000     .000000
0.50000  603.198486     .000000     .000000     .000000     .000000     .000000
0.75000  603.198486     .000000     .000000     .000000     .000000     .000000
1.00000  603.198486     .000000     .000000     .000000     .000000     .000000

ELEM     136 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5922.012     .000000     .000000     .000000     .000000     .000000
0.50000    5922.012     .000000     .000000     .000000     .000000     .000000
1.00000    5922.012     .000000     .000000     .000000     .000000     .000000

ELEM     137 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1184.313     .000000     .000000     .000000     .000000     .000000
0.25000    1184.313     .000000     .000000     .000000     .000000     .000000
0.50000    1184.313     .000000     .000000     .000000     .000000     .000000
0.75000    1184.313     .000000     .000000     .000000     .000000     .000000
1.00000    1184.313     .000000     .000000     .000000     .000000     .000000

ELEM     138 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  109.508999     .000000     .000000     .000000     .000000     .000000
```

```
0.25000  109.508999     .000000     .000000     .000000     .000000     .000000
0.50000  109.508999     .000000     .000000     .000000     .000000     .000000
0.75000  109.508999     .000000     .000000     .000000     .000000     .000000
1.00000  109.508999     .000000     .000000     .000000     .000000     .000000

ELEM     139 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    6519.151     .000000     .000000     .000000     .000000     .000000
0.50000    6519.151     .000000     .000000     .000000     .000000     .000000
1.00000    6519.151     .000000     .000000     .000000     .000000     .000000

ELEM     140 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1312.226     .000000     .000000     .000000     .000000     .000000
0.25000    1312.226     .000000     .000000     .000000     .000000     .000000
0.50000    1312.226     .000000     .000000     .000000     .000000     .000000
0.75000    1312.226     .000000     .000000     .000000     .000000     .000000
1.00000    1312.226     .000000     .000000     .000000     .000000     .000000

ELEM     141 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  398.939844     .000000     .000000     .000000     .000000     .000000
0.25000  398.939844     .000000     .000000     .000000     .000000     .000000
0.50000  398.939844     .000000     .000000     .000000     .000000     .000000
0.75000  398.939844     .000000     .000000     .000000     .000000     .000000
1.00000  398.939844     .000000     .000000     .000000     .000000     .000000

ELEM     142 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  398.939844     .000000     .000000     .000000     .000000     .000000
0.25000  398.939844     .000000     .000000     .000000     .000000     .000000
0.50000  398.939844     .000000     .000000     .000000     .000000     .000000
0.75000  398.939844     .000000     .000000     .000000     .000000     .000000
1.00000  398.939844     .000000     .000000     .000000     .000000     .000000

ELEM     143 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  592.500158     .000000     .000000     .000000     .000000     .000000
0.25000  592.500158     .000000     .000000     .000000     .000000     .000000
0.50000  592.500158     .000000     .000000     .000000     .000000     .000000
0.75000  592.500158     .000000     .000000     .000000     .000000     .000000
1.00000  592.500158     .000000     .000000     .000000     .000000     .000000

ELEM     144 ================== LENGTH =   60.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000    1365.902    1.463043     .000000     .000000     .000000    6.11E-14
0.50000    1365.902    1.463043     .000000     .000000     .000000   44.257054
1.00000    1365.902    1.463043     .000000     .000000     .000000   88.514108

ELEM     145 ================== LENGTH =   62.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1365.818    6.882610     .000000     .000000     .000000   88.514108
0.50000    1365.818    6.882610     .000000     .000000     .000000  129.680010
1.00000    1365.818    6.882610     .000000     .000000     .000000  341.825696

ELEM     146 ================== LENGTH =   39.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1365.664   21.099557     .000000     .000000     .000000  341.825696
0.50000    1365.664   21.099557     .000000     .000000     .000000  126.659863
1.00000    1365.664   21.099557     .000000     .000000     .000000  516.677525

ELEM     147 ================== LENGTH =    8.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1363.563   13.770907     .000000     .000000     .000000  516.677525
0.50000    1363.563   13.770907     .000000     .000000     .000000  460.903754
1.00000    1363.563   13.770907     .000000     .000000     .000000  405.905832

ELEM     148 ================== LENGTH =   48.250000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1363.392   18.052337     .000000     .000000     .000000  405.905832
0.50000    1363.392   18.052337     .000000     .000000     .000000  115.989652
1.00000    1363.392   18.052337     .000000     .000000     .000000  491.416477

ELEM     149 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1025.659   39.966591     .000000     .000000     .000000  491.416477
0.50000    1025.659   39.966591     .000000     .000000     .000000  166.568164
1.00000    1025.659   39.966591     .000000     .000000     .000000  523.479054

ELEM     150 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1018.331   46.371676     .000000     .000000     .000000  523.479054
0.50000    1018.331   46.371676     .000000     .000000     .000000  499.622154
1.00000    1018.331   46.371676     .000000     .000000     .000000  918.972243

ELEM     151 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000    1017.839   32.500512     .000000     .000000     .000000  918.972243
0.50000    1017.839   32.500512     .000000     .000000     .000000  200.601215
1.00000    1017.839   32.500512     .000000     .000000     .000000  672.911595

ELEM     152 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2222.518   32.635890     .000000     .000000     .000000  672.911595
0.50000    2222.518   32.635890     .000000     .000000     .000000  602.999502
1.00000    2222.518   32.635890     .000000     .000000     .000000  762.335867

ELEM     153 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2213.921   70.217486     .000000     .000000     .000000  762.335867
0.50000    2213.921   70.217486     .000000     .000000     .000000  347.743106
1.00000    2213.921   70.217486     .000000     .000000     .000000    1039.556

ELEM     154 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2213.571   39.456626     .000000     .000000     .000000    1039.556
0.50000    2213.571   39.456626     .000000     .000000     .000000  207.336613
1.00000    2213.571   39.456626     .000000     .000000     .000000  893.735159

ELEM     155 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2213.151   33.209487     .000000     .000000     .000000  893.735159
0.50000    2213.151   33.209487     .000000     .000000     .000000  701.725579
1.00000    2213.151   33.209487     .000000     .000000     .000000  709.719384

ELEM     156 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2200.339  102.222644     .000000     .000000     .000000  709.719384
0.50000    2200.339  102.222644     .000000     .000000     .000000  720.274468
1.00000    2200.339  102.222644     .000000     .000000     .000000    1882.375

ELEM     157 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2199.854   65.515116     .000000     .000000     .000000    1882.375
0.50000    2199.854   65.515116     .000000     .000000     .000000  317.093328
1.00000    2199.854   65.515116     .000000     .000000     .000000    1265.863

ELEM     159 ================== LENGTH =    9.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000  370.114672    8.899230     .000000     .000000     .000000   69.394150
0.50000  370.114672    8.899230     .000000     .000000     .000000   27.506190
1.00000  370.114672    8.899230     .000000     .000000     .000000   14.983248

ELEM     160 ================== LENGTH =    5.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  361.969574   12.165755     .000000     .000000     .000000   14.983248
0.50000  361.969574   12.165755     .000000     .000000     .000000   30.182657
1.00000  361.969574   12.165755     .000000     .000000     .000000   62.347722

ELEM     161 ================== LENGTH =   84.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  127.709865    0.742235     .000000     .000000     .000000   62.347722
0.50000  127.709865    0.742235     .000000     .000000     .000000   31.173861
1.00000  127.709865    0.742235     .000000     .000000     .000000    2.35E-13

ELEM     162 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   35.311923     .000000     .000000     .000000     .000000     .000000
0.25000   35.311923     .000000     .000000     .000000     .000000     .000000
0.50000   35.311923     .000000     .000000     .000000     .000000     .000000
0.75000   35.311923     .000000     .000000     .000000     .000000     .000000
1.00000   35.311923     .000000     .000000     .000000     .000000     .000000

ELEM     163 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  121.455630     .000000     .000000     .000000     .000000     .000000
0.25000  121.455630     .000000     .000000     .000000     .000000     .000000
0.50000  121.455630     .000000     .000000     .000000     .000000     .000000
0.75000  121.455630     .000000     .000000     .000000     .000000     .000000
1.00000  121.455630     .000000     .000000     .000000     .000000     .000000

ELEM     164 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  197.222923     .000000     .000000     .000000     .000000     .000000
0.25000  197.222923     .000000     .000000     .000000     .000000     .000000
0.50000  197.222923     .000000     .000000     .000000     .000000     .000000
0.75000  197.222923     .000000     .000000     .000000     .000000     .000000
1.00000  197.222923     .000000     .000000     .000000     .000000     .000000

ELEM     165 ================== LENGTH =  120.400374

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5147.345     .000000     .000000     .000000     .000000     .000000
0.50000    5147.345     .000000     .000000     .000000     .000000     .000000
1.00000    5147.345     .000000     .000000     .000000     .000000     .000000
```

```
ELEM     166 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1770.129     .000000     .000000     .000000     .000000     .000000
0.25000    1770.129     .000000     .000000     .000000     .000000     .000000
0.50000    1770.129     .000000     .000000     .000000     .000000     .000000
0.75000    1770.129     .000000     .000000     .000000     .000000     .000000
1.00000    1770.129     .000000     .000000     .000000     .000000     .000000

ELEM     167 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  225.413731     .000000     .000000     .000000     .000000     .000000
0.25000  225.413731     .000000     .000000     .000000     .000000     .000000
0.50000  225.413731     .000000     .000000     .000000     .000000     .000000
0.75000  225.413731     .000000     .000000     .000000     .000000     .000000
1.00000  225.413731     .000000     .000000     .000000     .000000     .000000

ELEM     168 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    7458.007     .000000     .000000     .000000     .000000     .000000
0.50000    7458.007     .000000     .000000     .000000     .000000     .000000
1.00000    7458.007     .000000     .000000     .000000     .000000     .000000

ELEM     169 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  466.928442     .000000     .000000     .000000     .000000     .000000
0.25000  466.928442     .000000     .000000     .000000     .000000     .000000
0.50000  466.928442     .000000     .000000     .000000     .000000     .000000
0.75000  466.928442     .000000     .000000     .000000     .000000     .000000
1.00000  466.928442     .000000     .000000     .000000     .000000     .000000

ELEM     170 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1434.972     .000000     .000000     .000000     .000000     .000000
0.25000    1434.972     .000000     .000000     .000000     .000000     .000000
0.50000    1434.972     .000000     .000000     .000000     .000000     .000000
0.75000    1434.972     .000000     .000000     .000000     .000000     .000000
1.00000    1434.972     .000000     .000000     .000000     .000000     .000000

ELEM     171 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  694.824385     .000000     .000000     .000000     .000000     .000000
0.25000  694.824385     .000000     .000000     .000000     .000000     .000000
0.50000  694.824385     .000000     .000000     .000000     .000000     .000000
0.75000  694.824385     .000000     .000000     .000000     .000000     .000000
```

```
1.00000  694.824385     .000000     .000000     .000000     .000000     .000000

ELEM     172 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1232.579     .000000     .000000     .000000     .000000     .000000
0.25000    1232.579     .000000     .000000     .000000     .000000     .000000
0.50000    1232.579     .000000     .000000     .000000     .000000     .000000
0.75000    1232.579     .000000     .000000     .000000     .000000     .000000
1.00000    1232.579     .000000     .000000     .000000     .000000     .000000

ELEM     173 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  131.701908     .000000     .000000     .000000     .000000     .000000
0.25000  131.701908     .000000     .000000     .000000     .000000     .000000
0.50000  131.701908     .000000     .000000     .000000     .000000     .000000
0.75000  131.701908     .000000     .000000     .000000     .000000     .000000
1.00000  131.701908     .000000     .000000     .000000     .000000     .000000

ELEM     174 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  533.017481     .000000     .000000     .000000     .000000     .000000
0.25000  533.017481     .000000     .000000     .000000     .000000     .000000
0.50000  533.017481     .000000     .000000     .000000     .000000     .000000
0.75000  533.017481     .000000     .000000     .000000     .000000     .000000
1.00000  533.017481     .000000     .000000     .000000     .000000     .000000

ELEM     175 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5739.717     .000000     .000000     .000000     .000000     .000000
0.50000    5739.717     .000000     .000000     .000000     .000000     .000000
1.00000    5739.717     .000000     .000000     .000000     .000000     .000000

ELEM     176 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  344.789227     .000000     .000000     .000000     .000000     .000000
0.25000  344.789227     .000000     .000000     .000000     .000000     .000000
0.50000  344.789227     .000000     .000000     .000000     .000000     .000000
0.75000  344.789227     .000000     .000000     .000000     .000000     .000000
1.00000  344.789227     .000000     .000000     .000000     .000000     .000000

ELEM     177 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  344.789227     .000000     .000000     .000000     .000000     .000000
0.25000  344.789227     .000000     .000000     .000000     .000000     .000000
0.50000  344.789227     .000000     .000000     .000000     .000000     .000000
```

```
0.75000  344.789227     .000000     .000000     .000000     .000000     .000000
1.00000  344.789227     .000000     .000000     .000000     .000000     .000000

ELEM     178 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1086.994     .000000     .000000     .000000     .000000     .000000
0.25000    1086.994     .000000     .000000     .000000     .000000     .000000
0.50000    1086.994     .000000     .000000     .000000     .000000     .000000
0.75000    1086.994     .000000     .000000     .000000     .000000     .000000
1.00000    1086.994     .000000     .000000     .000000     .000000     .000000

ELEM     179 ================== LENGTH =   60.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2311.762    1.576251     .000000     .000000     .000000    2.32E-13
0.50000    2311.762    1.576251     .000000     .000000     .000000   47.681584
1.00000    2311.762    1.576251     .000000     .000000     .000000   95.363168

ELEM     180 ================== LENGTH =   62.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2311.650    7.167038     .000000     .000000     .000000   95.363168
0.50000    2311.650    7.167038     .000000     .000000     .000000  131.574936
1.00000    2311.650    7.167038     .000000     .000000     .000000  352.499766

ELEM     181 ================== LENGTH =   39.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  844.100076   21.534895     .000000     .000000     .000000  352.499766
0.50000  844.100076   21.534895     .000000     .000000     .000000  158.112419
1.00000  844.100076   21.534895     .000000     .000000     .000000  540.482479

ELEM     182 ================== LENGTH =    8.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  840.732105   14.426243     .000000     .000000     .000000  540.482479
0.50000  840.732105   14.426243     .000000     .000000     .000000  496.274261
1.00000  840.732105   14.426243     .000000     .000000     .000000  456.040767

ELEM     183 ================== LENGTH =   48.250000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  840.460045   22.398523     .000000     .000000     .000000  456.040767
0.50000  840.460045   22.398523     .000000     .000000     .000000  169.878034
1.00000  840.460045   22.398523     .000000     .000000     .000000  658.582745

ELEM     184 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000  382.044324   44.196110     .000000     .000000     .000000  658.582745
0.50000  382.044324   44.196110     .000000     .000000     .000000  267.957891
1.00000  382.044324   44.196110     .000000     .000000     .000000  521.939568

ELEM     185 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  383.005072   57.226803     .000000     .000000     .000000  521.939568
0.50000  383.005072   57.226803     .000000     .000000     .000000  651.025190
1.00000  383.005072   57.226803     .000000     .000000     .000000    1232.242

ELEM     186 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  234.367647   46.581226     .000000     .000000     .000000    1232.242
0.50000  234.367647   46.581226     .000000     .000000     .000000  191.157723
1.00000  234.367647   46.581226     .000000     .000000     .000000    1026.784

ELEM     187 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1130.408   40.294227     .000000     .000000     .000000    1026.784
0.50000    1130.408   40.294227     .000000     .000000     .000000  767.185691
1.00000    1130.408   40.294227     .000000     .000000     .000000  768.418659

ELEM     188 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1122.020   84.885341     .000000     .000000     .000000  768.418659
0.50000    1122.020   84.885341     .000000     .000000     .000000  529.193742
1.00000    1122.020   84.885341     .000000     .000000     .000000    1429.970

ELEM     189 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1121.691   54.567071     .000000     .000000     .000000    1429.970
0.50000    1121.691   54.567071     .000000     .000000     .000000  221.460604
1.00000    1121.691   54.567071     .000000     .000000     .000000    1217.961

ELEM     190 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2160.325   39.626128     .000000     .000000     .000000    1217.961
0.50000    2160.325   39.626128     .000000     .000000     .000000  894.173556
1.00000    2160.325   39.626128     .000000     .000000     .000000  753.584131

ELEM     191 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    2149.852  114.333250     .000000     .000000     .000000  753.584131
0.50000    2149.852  114.333250     .000000     .000000     .000000  803.893019
1.00000    2149.852  114.333250     .000000     .000000     .000000    2118.811

ELEM     192 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2149.450   73.899368     .000000     .000000     .000000    2118.811
0.50000    2149.450   73.899368     .000000     .000000     .000000  351.081330
1.00000    2149.450   73.899368     .000000     .000000     .000000    1431.210

ELEM     194 ================== LENGTH =    9.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1095.932   17.048488     .000000     .000000     .000000  133.552358
0.50000    1095.932   17.048488     .000000     .000000     .000000   53.162841
1.00000    1095.932   17.048488     .000000     .000000     .000000   27.567374

ELEM     195 ================== LENGTH =    5.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1097.450   12.618694     .000000     .000000     .000000   27.567374
0.50000    1097.450   12.618694     .000000     .000000     .000000   35.589842
1.00000    1097.450   12.618694     .000000     .000000     .000000   65.090212

ELEM     196 ================== LENGTH =   84.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   89.747484    0.774883     .000000     .000000     .000000   65.090212
0.50000   89.747484    0.774883     .000000     .000000     .000000   32.545106
1.00000   89.747484    0.774883     .000000     .000000     .000000    5.82E-13

ELEM     197 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   44.476155     .000000     .000000     .000000     .000000     .000000
0.25000   44.476155     .000000     .000000     .000000     .000000     .000000
0.50000   44.476155     .000000     .000000     .000000     .000000     .000000
0.75000   44.476155     .000000     .000000     .000000     .000000     .000000
1.00000   44.476155     .000000     .000000     .000000     .000000     .000000

ELEM     198 ================== LENGTH =   95.015788

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3953.342     .000000     .000000     .000000     .000000     .000000
0.50000    3953.342     .000000     .000000     .000000     .000000     .000000
1.00000    3953.342     .000000     .000000     .000000     .000000     .000000

ELEM     199 ================== LENGTH =   72.000000
```

```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  168.462658     .000000     .000000     .000000     .000000     .000000
0.25000  168.462658     .000000     .000000     .000000     .000000     .000000
0.50000  168.462658     .000000     .000000     .000000     .000000     .000000
0.75000  168.462658     .000000     .000000     .000000     .000000     .000000
1.00000  168.462658     .000000     .000000     .000000     .000000     .000000

ELEM     200 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  177.992063     .000000     .000000     .000000     .000000     .000000
0.25000  177.992063     .000000     .000000     .000000     .000000     .000000
0.50000  177.992063     .000000     .000000     .000000     .000000     .000000
0.75000  177.992063     .000000     .000000     .000000     .000000     .000000
1.00000  177.992063     .000000     .000000     .000000     .000000     .000000

ELEM     201 ================== LENGTH =  120.400374

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    6103.724     .000000     .000000     .000000     .000000     .000000
0.50000    6103.724     .000000     .000000     .000000     .000000     .000000
1.00000    6103.724     .000000     .000000     .000000     .000000     .000000

ELEM     202 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  972.589095     .000000     .000000     .000000     .000000     .000000
0.25000  972.589095     .000000     .000000     .000000     .000000     .000000
0.50000  972.589095     .000000     .000000     .000000     .000000     .000000
0.75000  972.589095     .000000     .000000     .000000     .000000     .000000
1.00000  972.589095     .000000     .000000     .000000     .000000     .000000

ELEM     203 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  778.117821     .000000     .000000     .000000     .000000     .000000
0.50000  778.117821     .000000     .000000     .000000     .000000     .000000
1.00000  778.117821     .000000     .000000     .000000     .000000     .000000

ELEM     204 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1226.431     .000000     .000000     .000000     .000000     .000000
0.25000    1226.431     .000000     .000000     .000000     .000000     .000000
0.50000    1226.431     .000000     .000000     .000000     .000000     .000000
0.75000    1226.431     .000000     .000000     .000000     .000000     .000000
1.00000    1226.431     .000000     .000000     .000000     .000000     .000000

ELEM     205 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000  100.176034     .000000     .000000     .000000     .000000     .000000
0.25000  100.176034     .000000     .000000     .000000     .000000     .000000
0.50000  100.176034     .000000     .000000     .000000     .000000     .000000
0.75000  100.176034     .000000     .000000     .000000     .000000     .000000
1.00000  100.176034     .000000     .000000     .000000     .000000     .000000

ELEM     206 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1820.352     .000000     .000000     .000000     .000000     .000000
0.50000    1820.352     .000000     .000000     .000000     .000000     .000000
1.00000    1820.352     .000000     .000000     .000000     .000000     .000000

ELEM     207 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  821.237646     .000000     .000000     .000000     .000000     .000000
0.25000  821.237646     .000000     .000000     .000000     .000000     .000000
0.50000  821.237646     .000000     .000000     .000000     .000000     .000000
0.75000  821.237646     .000000     .000000     .000000     .000000     .000000
1.00000  821.237646     .000000     .000000     .000000     .000000     .000000

ELEM     208 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  295.728359     .000000     .000000     .000000     .000000     .000000
0.25000  295.728359     .000000     .000000     .000000     .000000     .000000
0.50000  295.728359     .000000     .000000     .000000     .000000     .000000
0.75000  295.728359     .000000     .000000     .000000     .000000     .000000
1.00000  295.728359     .000000     .000000     .000000     .000000     .000000

ELEM     209 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1886.830     .000000     .000000     .000000     .000000     .000000
0.50000    1886.830     .000000     .000000     .000000     .000000     .000000
1.00000    1886.830     .000000     .000000     .000000     .000000     .000000

ELEM     210 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  303.627554     .000000     .000000     .000000     .000000     .000000
0.25000  303.627554     .000000     .000000     .000000     .000000     .000000
0.50000  303.627554     .000000     .000000     .000000     .000000     .000000
0.75000  303.627554     .000000     .000000     .000000     .000000     .000000
1.00000  303.627554     .000000     .000000     .000000     .000000     .000000

ELEM     211 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	625.726173	.000000	.000000	.000000	.000000	.000000
0.25000	625.726173	.000000	.000000	.000000	.000000	.000000
0.50000	625.726173	.000000	.000000	.000000	.000000	.000000
0.75000	625.726173	.000000	.000000	.000000	.000000	.000000
1.00000	625.726173	.000000	.000000	.000000	.000000	.000000

ELEM 212 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1053.039	.000000	.000000	.000000	.000000	.000000
0.25000	1053.039	.000000	.000000	.000000	.000000	.000000
0.50000	1053.039	.000000	.000000	.000000	.000000	.000000
0.75000	1053.039	.000000	.000000	.000000	.000000	.000000
1.00000	1053.039	.000000	.000000	.000000	.000000	.000000

ELEM 213 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1053.039	.000000	.000000	.000000	.000000	.000000
0.25000	1053.039	.000000	.000000	.000000	.000000	.000000
0.50000	1053.039	.000000	.000000	.000000	.000000	.000000
0.75000	1053.039	.000000	.000000	.000000	.000000	.000000
1.00000	1053.039	.000000	.000000	.000000	.000000	.000000

ELEM 214 ========== LENGTH = 95.671312

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1810.683	.000000	.000000	.000000	.000000	.000000
0.50000	1810.683	.000000	.000000	.000000	.000000	.000000
1.00000	1810.683	.000000	.000000	.000000	.000000	.000000

ELEM 215 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1491.699	.000000	.000000	.000000	.000000	.000000
0.25000	1491.699	.000000	.000000	.000000	.000000	.000000
0.50000	1491.699	.000000	.000000	.000000	.000000	.000000
0.75000	1491.699	.000000	.000000	.000000	.000000	.000000
1.00000	1491.699	.000000	.000000	.000000	.000000	.000000

ELEM 216 ========== LENGTH = 60.500000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	2407.780	1.798234	.000000	.000000	.000000	1.17E-13
0.50000	2407.780	1.798234	.000000	.000000	.000000	54.396566
1.00000	2407.780	1.798234	.000000	.000000	.000000	108.793133

ELEM 217 ========== LENGTH = 62.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3

```
0.00000    2770.294    7.694073     .000000     .000000     .000000  108.793133
0.50000    2770.294    7.694073     .000000     .000000     .000000  135.249193
1.00000    2770.294    7.694073     .000000     .000000     .000000  372.194514

ELEM     218 ================== LENGTH =   39.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1166.900   21.936938     .000000     .000000     .000000  372.194514
0.50000    1166.900   21.936938     .000000     .000000     .000000  172.356438
1.00000    1166.900   21.936938     .000000     .000000     .000000  548.699248

ELEM     219 ================== LENGTH =    8.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1164.257   14.234613     .000000     .000000     .000000  548.699248
0.50000    1164.257   14.234613     .000000     .000000     .000000  507.322188
1.00000    1164.257   14.234613     .000000     .000000     .000000  470.106945

ELEM     220 ================== LENGTH =   48.250000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1164.047   22.826221     .000000     .000000     .000000  470.106945
0.50000    1164.047   22.826221     .000000     .000000     .000000  162.809984
1.00000    1164.047   22.826221     .000000     .000000     .000000  662.205617

ELEM     221 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  733.846784   43.600840     .000000     .000000     .000000  662.205617
0.50000  733.846784   43.600840     .000000     .000000     .000000  301.078122
1.00000  733.846784   43.600840     .000000     .000000     .000000  538.773955

ELEM     222 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  726.312414   57.258824     .000000     .000000     .000000  538.773955
0.50000  726.312414   57.258824     .000000     .000000     .000000  583.558031
1.00000  726.312414   57.258824     .000000     .000000     .000000    1155.436

ELEM     223 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  726.020080   44.524536     .000000     .000000     .000000    1155.436
0.50000  726.020080   44.524536     .000000     .000000     .000000  183.843537
1.00000  726.020080   44.524536     .000000     .000000     .000000    1008.132

ELEM     224 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000  725.703372   42.137969     .000000     .000000     .000000   1008.132
0.50000  725.703372   42.137969     .000000     .000000     .000000  730.056158
1.00000  725.703372   42.137969     .000000     .000000     .000000  749.005722

ELEM     225 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  716.790003   86.239917     .000000     .000000     .000000  749.005722
0.50000  716.790003   86.239917     .000000     .000000     .000000  598.143168
1.00000  716.790003   86.239917     .000000     .000000     .000000   1515.417

ELEM     226 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  304.752533   57.884641     .000000     .000000     .000000   1515.417
0.50000  304.752533   57.884641     .000000     .000000     .000000  224.075667
1.00000  304.752533   57.884641     .000000     .000000     .000000   1289.906

ELEM     227 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  304.993073   41.725078     .000000     .000000     .000000   1289.906
0.50000  304.993073   41.725078     .000000     .000000     .000000  928.723410
1.00000  304.993073   41.725078     .000000     .000000     .000000  750.066543

ELEM     228 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  311.805919  117.523698     .000000     .000000     .000000  750.066543
0.50000  311.805919  117.523698     .000000     .000000     .000000  844.113120
1.00000  311.805919  117.523698     .000000     .000000     .000000   2200.059

ELEM     229 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1354.278   76.519785     .000000     .000000     .000000   2200.059
0.50000    1354.278   76.519785     .000000     .000000     .000000  369.149629
1.00000    1354.278   76.519785     .000000     .000000     .000000   1475.657

ELEM     231 ================== LENGTH =    9.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1355.334   16.893088     .000000     .000000     .000000  137.514032
0.50000    1355.334   16.893088     .000000     .000000     .000000   59.133307
1.00000    1355.334   16.893088     .000000     .000000     .000000   28.144510

ELEM     232 ================== LENGTH =    5.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000    1356.838   63.574935     .000000     .000000     .000000   28.144510
0.50000    1356.838   63.574935     .000000     .000000     .000000  167.384422
1.00000    1356.838   63.574935     .000000     .000000     .000000  343.179306

ELEM     233 ================== LENGTH =   63.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1400.533   10.227309     .000000     .000000     .000000  343.179306
0.50000    1400.533   10.227309     .000000     .000000     .000000   21.019462
1.00000    1400.533   10.227309     .000000     .000000     .000000  301.141183

ELEM     234 ================== LENGTH =   21.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   27.978470   14.340056     .000000     .000000     .000000  301.141183
0.50000   27.978470   14.340056     .000000     .000000     .000000  150.570591
1.00000   27.978470   14.340056     .000000     .000000     .000000    1.11E-11

ELEM     235 ================== LENGTH =   47.021936

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4248.842     .000000     .000000     .000000     .000000     .000000
0.50000    4248.842     .000000     .000000     .000000     .000000     .000000
1.00000    4248.842     .000000     .000000     .000000     .000000     .000000

ELEM     236 ================== LENGTH =   47.021936

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4565.715     .000000     .000000     .000000     .000000     .000000
0.50000    4565.715     .000000     .000000     .000000     .000000     .000000
1.00000    4565.715     .000000     .000000     .000000     .000000     .000000

ELEM     237 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  533.991808     .000000     .000000     .000000     .000000     .000000
0.25000  533.991808     .000000     .000000     .000000     .000000     .000000
0.50000  533.991808     .000000     .000000     .000000     .000000     .000000
0.75000  533.991808     .000000     .000000     .000000     .000000     .000000
1.00000  533.991808     .000000     .000000     .000000     .000000     .000000

ELEM     238 ================== LENGTH =   95.015788

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5036.785     .000000     .000000     .000000     .000000     .000000
0.50000    5036.785     .000000     .000000     .000000     .000000     .000000
1.00000    5036.785     .000000     .000000     .000000     .000000     .000000

ELEM     239 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	35.669933	.000000	.000000	.000000	.000000	.000000
0.25000	35.669933	.000000	.000000	.000000	.000000	.000000
0.50000	35.669933	.000000	.000000	.000000	.000000	.000000
0.75000	35.669933	.000000	.000000	.000000	.000000	.000000
1.00000	35.669933	.000000	.000000	.000000	.000000	.000000

ELEM 240 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	158.602494	.000000	.000000	.000000	.000000	.000000
0.25000	158.602494	.000000	.000000	.000000	.000000	.000000
0.50000	158.602494	.000000	.000000	.000000	.000000	.000000
0.75000	158.602494	.000000	.000000	.000000	.000000	.000000
1.00000	158.602494	.000000	.000000	.000000	.000000	.000000

ELEM 241 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	366.821169	.000000	.000000	.000000	.000000	.000000
0.25000	366.821169	.000000	.000000	.000000	.000000	.000000
0.50000	366.821169	.000000	.000000	.000000	.000000	.000000
0.75000	366.821169	.000000	.000000	.000000	.000000	.000000
1.00000	366.821169	.000000	.000000	.000000	.000000	.000000

ELEM 242 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1131.008	.000000	.000000	.000000	.000000	.000000
0.25000	1131.008	.000000	.000000	.000000	.000000	.000000
0.50000	1131.008	.000000	.000000	.000000	.000000	.000000
0.75000	1131.008	.000000	.000000	.000000	.000000	.000000
1.00000	1131.008	.000000	.000000	.000000	.000000	.000000

ELEM 243 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	85.382920	.000000	.000000	.000000	.000000	.000000
0.25000	85.382920	.000000	.000000	.000000	.000000	.000000
0.50000	85.382920	.000000	.000000	.000000	.000000	.000000
0.75000	85.382920	.000000	.000000	.000000	.000000	.000000
1.00000	85.382920	.000000	.000000	.000000	.000000	.000000

ELEM 244 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	567.098133	.000000	.000000	.000000	.000000	.000000
0.25000	567.098133	.000000	.000000	.000000	.000000	.000000
0.50000	567.098133	.000000	.000000	.000000	.000000	.000000
0.75000	567.098133	.000000	.000000	.000000	.000000	.000000
1.00000	567.098133	.000000	.000000	.000000	.000000	.000000

```
ELEM     245 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  209.891309     .000000     .000000     .000000     .000000     .000000
0.25000  209.891309     .000000     .000000     .000000     .000000     .000000
0.50000  209.891309     .000000     .000000     .000000     .000000     .000000
0.75000  209.891309     .000000     .000000     .000000     .000000     .000000
1.00000  209.891309     .000000     .000000     .000000     .000000     .000000

ELEM     246 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1078.015     .000000     .000000     .000000     .000000     .000000
0.25000    1078.015     .000000     .000000     .000000     .000000     .000000
0.50000    1078.015     .000000     .000000     .000000     .000000     .000000
0.75000    1078.015     .000000     .000000     .000000     .000000     .000000
1.00000    1078.015     .000000     .000000     .000000     .000000     .000000

ELEM     247 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  722.243596     .000000     .000000     .000000     .000000     .000000
0.25000  722.243596     .000000     .000000     .000000     .000000     .000000
0.50000  722.243596     .000000     .000000     .000000     .000000     .000000
0.75000  722.243596     .000000     .000000     .000000     .000000     .000000
1.00000  722.243596     .000000     .000000     .000000     .000000     .000000

ELEM     248 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  589.553393     .000000     .000000     .000000     .000000     .000000
0.25000  589.553393     .000000     .000000     .000000     .000000     .000000
0.50000  589.553393     .000000     .000000     .000000     .000000     .000000
0.75000  589.553393     .000000     .000000     .000000     .000000     .000000
1.00000  589.553393     .000000     .000000     .000000     .000000     .000000

ELEM     249 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  589.553393     .000000     .000000     .000000     .000000     .000000
0.25000  589.553393     .000000     .000000     .000000     .000000     .000000
0.50000  589.553393     .000000     .000000     .000000     .000000     .000000
0.75000  589.553393     .000000     .000000     .000000     .000000     .000000
1.00000  589.553393     .000000     .000000     .000000     .000000     .000000

ELEM     250 ================== LENGTH =   95.671312

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3948.721     .000000     .000000     .000000     .000000     .000000
0.50000    3948.721     .000000     .000000     .000000     .000000     .000000
1.00000    3948.721     .000000     .000000     .000000     .000000     .000000
```

ELEM 251 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	2556.603	.000000	.000000	.000000	.000000	.000000
0.25000	2556.603	.000000	.000000	.000000	.000000	.000000
0.50000	2556.603	.000000	.000000	.000000	.000000	.000000
0.75000	2556.603	.000000	.000000	.000000	.000000	.000000
1.00000	2556.603	.000000	.000000	.000000	.000000	.000000

ELEM 252 ========== LENGTH = 47.021936

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	4565.842	.000000	.000000	.000000	.000000	.000000
0.50000	4565.842	.000000	.000000	.000000	.000000	.000000
1.00000	4565.842	.000000	.000000	.000000	.000000	.000000

ELEM 253 ========== LENGTH = 47.021936

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	4248.723	.000000	.000000	.000000	.000000	.000000
0.50000	4248.723	.000000	.000000	.000000	.000000	.000000
1.00000	4248.723	.000000	.000000	.000000	.000000	.000000

ELEM 254 ========== LENGTH = 60.500000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	777.397218	2.419881	.000000	.000000	.000000	2.34E-13
0.50000	777.397218	2.419881	.000000	.000000	.000000	73.201404
1.00000	777.397218	2.419881	.000000	.000000	.000000	146.402809

ELEM 255 ========== LENGTH = 62.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1404.297	8.568287	.000000	.000000	.000000	146.402809
0.50000	1404.297	8.568287	.000000	.000000	.000000	135.070119
1.00000	1404.297	8.568287	.000000	.000000	.000000	395.169287

ELEM 256 ========== LENGTH = 39.750000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1404.143	22.048454	.000000	.000000	.000000	395.169287
0.50000	1404.143	22.048454	.000000	.000000	.000000	184.882953
1.00000	1404.143	22.048454	.000000	.000000	.000000	544.303186

ELEM 257 ========== LENGTH = 8.500000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1401.879	13.769960	.000000	.000000	.000000	544.303186

```
0.50000    1401.879   13.769960     .000000     .000000     .000000  498.741728
1.00000    1401.879   13.769960     .000000     .000000     .000000  456.147334

ELEM     258 ================== LENGTH =   48.250000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1399.675   21.295972     .000000     .000000     .000000  456.147334
0.50000    1399.675   21.295972     .000000     .000000     .000000  137.371587
1.00000    1399.675   21.295972     .000000     .000000     .000000  597.980866

ELEM     259 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1395.956   40.979922     .000000     .000000     .000000  597.980866
0.50000    1395.956   40.979922     .000000     .000000     .000000  285.877299
1.00000    1395.956   40.979922     .000000     .000000     .000000  538.074818

ELEM     260 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1387.901   53.359921     .000000     .000000     .000000  538.074818
0.50000    1387.901   53.359921     .000000     .000000     .000000  482.158949
1.00000    1387.901   53.359921     .000000     .000000     .000000  997.720890

ELEM     261 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1383.354   37.711306     .000000     .000000     .000000  997.720890
0.50000    1383.354   37.711306     .000000     .000000     .000000  188.093794
1.00000    1383.354   37.711306     .000000     .000000     .000000  844.760222

ELEM     262 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1377.962   38.933021     .000000     .000000     .000000  844.760222
0.50000    1377.962   38.933021     .000000     .000000     .000000  650.500260
1.00000    1377.962   38.933021     .000000     .000000     .000000  754.470693

ELEM     263 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1366.603   80.503135     .000000     .000000     .000000  754.470693
0.50000    1366.603   80.503135     .000000     .000000     .000000  527.966198
1.00000    1366.603   80.503135     .000000     .000000     .000000    1361.884

ELEM     264 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1360.516   50.725030     .000000     .000000     .000000    1361.884
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0.50000    1360.516   50.725030     .000000     .000000     .000000  229.585832
1.00000    1360.516   50.725030     .000000     .000000     .000000    1102.189

ELEM     265 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1353.684   36.141953     .000000     .000000     .000000    1102.189
0.50000    1353.684   36.141953     .000000     .000000     .000000  829.876238
1.00000    1353.684   36.141953     .000000     .000000     .000000  734.006864

ELEM     266 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1339.100  111.156630     .000000     .000000     .000000  734.006864
0.50000    1339.100  111.156630     .000000     .000000     .000000  778.197488
1.00000    1339.100  111.156630     .000000     .000000     .000000    2056.912

ELEM     267 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1331.764   72.671580     .000000     .000000     .000000    2056.912
0.50000    1331.764   72.671580     .000000     .000000     .000000  319.481778
1.00000    1331.764   72.671580     .000000     .000000     .000000    1434.275

ELEM     269 ================== LENGTH =    9.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2499.213   21.328569     .000000     .000000     .000000  166.024881
0.50000    2499.213   21.328569     .000000     .000000     .000000   65.429599
1.00000    2499.213   21.328569     .000000     .000000     .000000   35.444427

ELEM     270 ================== LENGTH =    5.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2501.001   14.791058     .000000     .000000     .000000   35.444427
0.50000    2501.001   14.791058     .000000     .000000     .000000   33.596898
1.00000    2501.001   14.791058     .000000     .000000     .000000   66.225410

ELEM     271 ================== LENGTH =   84.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  111.048504    0.788398     .000000     .000000     .000000   66.225410
0.50000  111.048504    0.788398     .000000     .000000     .000000   33.112705
1.00000  111.048504    0.788398     .000000     .000000     .000000    2.43E-12

ELEM     272 ================== LENGTH =   47.021936

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4476.346     .000000     .000000     .000000     .000000     .000000
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0.50000    4476.346     .000000     .000000     .000000     .000000     .000000
1.00000    4476.346     .000000     .000000     .000000     .000000     .000000

ELEM     273 ================== LENGTH =   47.021936

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3650.244     .000000     .000000     .000000     .000000     .000000
0.50000    3650.244     .000000     .000000     .000000     .000000     .000000
1.00000    3650.244     .000000     .000000     .000000     .000000     .000000

ELEM     274 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  859.146376     .000000     .000000     .000000     .000000     .000000
0.25000  859.146376     .000000     .000000     .000000     .000000     .000000
0.50000  859.146376     .000000     .000000     .000000     .000000     .000000
0.75000  859.146376     .000000     .000000     .000000     .000000     .000000
1.00000  859.146376     .000000     .000000     .000000     .000000     .000000

ELEM     275 ================== LENGTH =   95.015788

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4767.895     .000000     .000000     .000000     .000000     .000000
0.50000    4767.895     .000000     .000000     .000000     .000000     .000000
1.00000    4767.895     .000000     .000000     .000000     .000000     .000000

ELEM     276 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   21.500464     .000000     .000000     .000000     .000000     .000000
0.25000   21.500464     .000000     .000000     .000000     .000000     .000000
0.50000   21.500464     .000000     .000000     .000000     .000000     .000000
0.75000   21.500464     .000000     .000000     .000000     .000000     .000000
1.00000   21.500464     .000000     .000000     .000000     .000000     .000000

ELEM     277 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  127.775807     .000000     .000000     .000000     .000000     .000000
0.25000  127.775807     .000000     .000000     .000000     .000000     .000000
0.50000  127.775807     .000000     .000000     .000000     .000000     .000000
0.75000  127.775807     .000000     .000000     .000000     .000000     .000000
1.00000  127.775807     .000000     .000000     .000000     .000000     .000000

ELEM     278 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  362.188617     .000000     .000000     .000000     .000000     .000000
0.25000  362.188617     .000000     .000000     .000000     .000000     .000000
0.50000  362.188617     .000000     .000000     .000000     .000000     .000000
0.75000  362.188617     .000000     .000000     .000000     .000000     .000000
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```
1.00000  362.188617     .000000     .000000     .000000     .000000     .000000

ELEM     279 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1031.311     .000000     .000000     .000000     .000000     .000000
0.25000    1031.311     .000000     .000000     .000000     .000000     .000000
0.50000    1031.311     .000000     .000000     .000000     .000000     .000000
0.75000    1031.311     .000000     .000000     .000000     .000000     .000000
1.00000    1031.311     .000000     .000000     .000000     .000000     .000000

ELEM     280 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   93.377703     .000000     .000000     .000000     .000000     .000000
0.25000   93.377703     .000000     .000000     .000000     .000000     .000000
0.50000   93.377703     .000000     .000000     .000000     .000000     .000000
0.75000   93.377703     .000000     .000000     .000000     .000000     .000000
1.00000   93.377703     .000000     .000000     .000000     .000000     .000000

ELEM     281 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  412.376402     .000000     .000000     .000000     .000000     .000000
0.25000  412.376402     .000000     .000000     .000000     .000000     .000000
0.50000  412.376402     .000000     .000000     .000000     .000000     .000000
0.75000  412.376402     .000000     .000000     .000000     .000000     .000000
1.00000  412.376402     .000000     .000000     .000000     .000000     .000000

ELEM     282 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  166.200925     .000000     .000000     .000000     .000000     .000000
0.25000  166.200925     .000000     .000000     .000000     .000000     .000000
0.50000  166.200925     .000000     .000000     .000000     .000000     .000000
0.75000  166.200925     .000000     .000000     .000000     .000000     .000000
1.00000  166.200925     .000000     .000000     .000000     .000000     .000000

ELEM     283 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  858.487986     .000000     .000000     .000000     .000000     .000000
0.25000  858.487986     .000000     .000000     .000000     .000000     .000000
0.50000  858.487986     .000000     .000000     .000000     .000000     .000000
0.75000  858.487986     .000000     .000000     .000000     .000000     .000000
1.00000  858.487986     .000000     .000000     .000000     .000000     .000000

ELEM     284 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  760.351701     .000000     .000000     .000000     .000000     .000000
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```
0.25000  760.351701     .000000     .000000     .000000     .000000     .000000
0.50000  760.351701     .000000     .000000     .000000     .000000     .000000
0.75000  760.351701     .000000     .000000     .000000     .000000     .000000
1.00000  760.351701     .000000     .000000     .000000     .000000     .000000

ELEM     285 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    6787.634     .000000     .000000     .000000     .000000     .000000
0.50000    6787.634     .000000     .000000     .000000     .000000     .000000
1.00000    6787.634     .000000     .000000     .000000     .000000     .000000

ELEM     286 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1275.933     .000000     .000000     .000000     .000000     .000000
0.25000    1275.933     .000000     .000000     .000000     .000000     .000000
0.50000    1275.933     .000000     .000000     .000000     .000000     .000000
0.75000    1275.933     .000000     .000000     .000000     .000000     .000000
1.00000    1275.933     .000000     .000000     .000000     .000000     .000000

ELEM     287 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1275.933     .000000     .000000     .000000     .000000     .000000
0.25000    1275.933     .000000     .000000     .000000     .000000     .000000
0.50000    1275.933     .000000     .000000     .000000     .000000     .000000
0.75000    1275.933     .000000     .000000     .000000     .000000     .000000
1.00000    1275.933     .000000     .000000     .000000     .000000     .000000

ELEM     288 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2159.308     .000000     .000000     .000000     .000000     .000000
0.25000    2159.308     .000000     .000000     .000000     .000000     .000000
0.50000    2159.308     .000000     .000000     .000000     .000000     .000000
0.75000    2159.308     .000000     .000000     .000000     .000000     .000000
1.00000    2159.308     .000000     .000000     .000000     .000000     .000000

ELEM     289 ================== LENGTH =   47.021936

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3650.357     .000000     .000000     .000000     .000000     .000000
0.50000    3650.357     .000000     .000000     .000000     .000000     .000000
1.00000    3650.357     .000000     .000000     .000000     .000000     .000000

ELEM     290 ================== LENGTH =   47.021936

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4476.218     .000000     .000000     .000000     .000000     .000000
0.50000    4476.218     .000000     .000000     .000000     .000000     .000000
```

```
1.00000    4476.218     .000000     .000000     .000000     .000000     .000000

ELEM     291 ================== LENGTH =   60.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2706.306    1.637994     .000000     .000000     .000000    1.28E-13
0.50000    2706.306    1.637994     .000000     .000000     .000000   49.549322
1.00000    2706.306    1.637994     .000000     .000000     .000000   99.098645

ELEM     292 ================== LENGTH =   62.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3287.905    7.673066     .000000     .000000     .000000   99.098645
0.50000    3287.905    7.673066     .000000     .000000     .000000  139.571451
1.00000    3287.905    7.673066     .000000     .000000     .000000  377.225909

ELEM     293 ================== LENGTH =   39.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1941.734   22.081137     .000000     .000000     .000000  377.225909
0.50000    1941.734   22.081137     .000000     .000000     .000000  162.644227
1.00000    1941.734   22.081137     .000000     .000000     .000000  543.882043

ELEM     294 ================== LENGTH =    8.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1938.584   14.208823     .000000     .000000     .000000  543.882043
0.50000    1938.584   14.208823     .000000     .000000     .000000  499.035866
1.00000    1938.584   14.208823     .000000     .000000     .000000  457.776380

ELEM     295 ================== LENGTH =   48.250000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1938.331   20.557019     .000000     .000000     .000000  457.776380
0.50000    1938.331   20.557019     .000000     .000000     .000000  107.720784
1.00000    1938.331   20.557019     .000000     .000000     .000000  552.772528

ELEM     296 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1937.996   38.441368     .000000     .000000     .000000  552.772528
0.50000    1937.996   38.441368     .000000     .000000     .000000  277.865710
1.00000    1937.996   38.441368     .000000     .000000     .000000  523.879754

ELEM     297 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1928.263   49.773275     .000000     .000000     .000000  523.879754
0.50000    1928.263   49.773275     .000000     .000000     .000000  394.191936
```

```
1.00000    1928.263   49.773275     .000000     .000000     .000000  865.915520

ELEM     298 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1730.722   32.151412     .000000     .000000     .000000  865.915520
0.50000    1730.722   32.151412     .000000     .000000     .000000  186.953931
1.00000    1730.722   32.151412     .000000     .000000     .000000  714.794795

ELEM     299 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1730.266   36.622651     .000000     .000000     .000000  714.794795
0.50000    1730.266   36.622651     .000000     .000000     .000000  585.136467
1.00000    1730.266   36.622651     .000000     .000000     .000000  748.404117

ELEM     300 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1717.129   76.023536     .000000     .000000     .000000  748.404117
0.50000    1717.129   76.023536     .000000     .000000     .000000  475.892609
1.00000    1717.129   76.023536     .000000     .000000     .000000    1247.941

ELEM     301 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1708.186   45.287787     .000000     .000000     .000000    1247.941
0.50000    1708.186   45.287787     .000000     .000000     .000000  232.161916
1.00000    1708.186   45.287787     .000000     .000000     .000000  955.601467

ELEM     302 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1707.602   31.520636     .000000     .000000     .000000  955.601467
0.50000    1707.602   31.520636     .000000     .000000     .000000  754.448282
1.00000    1707.602   31.520636     .000000     .000000     .000000  715.089358

ELEM     303 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1690.264  106.106688     .000000     .000000     .000000  715.089358
0.50000    1690.264  106.106688     .000000     .000000     .000000  722.787407
1.00000    1690.264  106.106688     .000000     .000000     .000000    1943.187

ELEM     304 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1789.835   68.618421     .000000     .000000     .000000    1943.187
0.50000    1789.835   68.618421     .000000     .000000     .000000  303.102413
```

```
1.00000    1789.835   68.618421     .000000     .000000     .000000    1353.493

ELEM     306 ================== LENGTH =    9.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  303.028753   20.631988     .000000     .000000     .000000  159.200181
0.50000  303.028753   20.631988     .000000     .000000     .000000   61.853802
1.00000  303.028753   20.631988     .000000     .000000     .000000   35.551851

ELEM     307 ================== LENGTH =    5.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  295.634184   14.265792     .000000     .000000     .000000   35.551851
0.50000  295.634184   14.265792     .000000     .000000     .000000   14.197242
1.00000  295.634184   14.265792     .000000     .000000     .000000   47.829651

ELEM     308 ================== LENGTH =   84.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   83.541984    0.569401     .000000     .000000     .000000   47.829651
0.50000   83.541984    0.569401     .000000     .000000     .000000   23.914826
1.00000   83.541984    0.569401     .000000     .000000     .000000    1.39E-12

ELEM     309 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  101.505069     .000000     .000000     .000000     .000000     .000000
0.25000  101.505069     .000000     .000000     .000000     .000000     .000000
0.50000  101.505069     .000000     .000000     .000000     .000000     .000000
0.75000  101.505069     .000000     .000000     .000000     .000000     .000000
1.00000  101.505069     .000000     .000000     .000000     .000000     .000000

ELEM     310 ================== LENGTH =   95.015788

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3541.625     .000000     .000000     .000000     .000000     .000000
0.50000    3541.625     .000000     .000000     .000000     .000000     .000000
1.00000    3541.625     .000000     .000000     .000000     .000000     .000000

ELEM     311 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  266.435878     .000000     .000000     .000000     .000000     .000000
0.25000  266.435878     .000000     .000000     .000000     .000000     .000000
0.50000  266.435878     .000000     .000000     .000000     .000000     .000000
0.75000  266.435878     .000000     .000000     .000000     .000000     .000000
1.00000  266.435878     .000000     .000000     .000000     .000000     .000000

ELEM     312 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------
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```
REL DIST          P          V2          V3           T          M2          M3
0.00000  111.528263     .000000     .000000     .000000     .000000     .000000
0.25000  111.528263     .000000     .000000     .000000     .000000     .000000
0.50000  111.528263     .000000     .000000     .000000     .000000     .000000
0.75000  111.528263     .000000     .000000     .000000     .000000     .000000
1.00000  111.528263     .000000     .000000     .000000     .000000     .000000

ELEM     313 ================== LENGTH =  120.400374

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5572.316     .000000     .000000     .000000     .000000     .000000
0.50000    5572.316     .000000     .000000     .000000     .000000     .000000
1.00000    5572.316     .000000     .000000     .000000     .000000     .000000

ELEM     314 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  380.299866     .000000     .000000     .000000     .000000     .000000
0.25000  380.299866     .000000     .000000     .000000     .000000     .000000
0.50000  380.299866     .000000     .000000     .000000     .000000     .000000
0.75000  380.299866     .000000     .000000     .000000     .000000     .000000
1.00000  380.299866     .000000     .000000     .000000     .000000     .000000

ELEM     315 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  383.513052     .000000     .000000     .000000     .000000     .000000
0.50000  383.513052     .000000     .000000     .000000     .000000     .000000
1.00000  383.513052     .000000     .000000     .000000     .000000     .000000

ELEM     316 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1262.611     .000000     .000000     .000000     .000000     .000000
0.25000    1262.611     .000000     .000000     .000000     .000000     .000000
0.50000    1262.611     .000000     .000000     .000000     .000000     .000000
0.75000    1262.611     .000000     .000000     .000000     .000000     .000000
1.00000    1262.611     .000000     .000000     .000000     .000000     .000000

ELEM     317 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  140.485096     .000000     .000000     .000000     .000000     .000000
0.25000  140.485096     .000000     .000000     .000000     .000000     .000000
0.50000  140.485096     .000000     .000000     .000000     .000000     .000000
0.75000  140.485096     .000000     .000000     .000000     .000000     .000000
1.00000  140.485096     .000000     .000000     .000000     .000000     .000000

ELEM     318 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000  157.814406     .000000     .000000     .000000     .000000     .000000
0.50000  157.814406     .000000     .000000     .000000     .000000     .000000
1.00000  157.814406     .000000     .000000     .000000     .000000     .000000

ELEM     319 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  332.936489     .000000     .000000     .000000     .000000     .000000
0.25000  332.936489     .000000     .000000     .000000     .000000     .000000
0.50000  332.936489     .000000     .000000     .000000     .000000     .000000
0.75000  332.936489     .000000     .000000     .000000     .000000     .000000
1.00000  332.936489     .000000     .000000     .000000     .000000     .000000

ELEM     320 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  113.363996     .000000     .000000     .000000     .000000     .000000
0.25000  113.363996     .000000     .000000     .000000     .000000     .000000
0.50000  113.363996     .000000     .000000     .000000     .000000     .000000
0.75000  113.363996     .000000     .000000     .000000     .000000     .000000
1.00000  113.363996     .000000     .000000     .000000     .000000     .000000

ELEM     321 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  231.519553     .000000     .000000     .000000     .000000     .000000
0.50000  231.519553     .000000     .000000     .000000     .000000     .000000
1.00000  231.519553     .000000     .000000     .000000     .000000     .000000

ELEM     322 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  547.733746     .000000     .000000     .000000     .000000     .000000
0.25000  547.733746     .000000     .000000     .000000     .000000     .000000
0.50000  547.733746     .000000     .000000     .000000     .000000     .000000
0.75000  547.733746     .000000     .000000     .000000     .000000     .000000
1.00000  547.733746     .000000     .000000     .000000     .000000     .000000

ELEM     323 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    6669.196     .000000     .000000     .000000     .000000     .000000
0.50000    6669.196     .000000     .000000     .000000     .000000     .000000
1.00000    6669.196     .000000     .000000     .000000     .000000     .000000

ELEM     324 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  837.331568     .000000     .000000     .000000     .000000     .000000
0.25000  837.331568     .000000     .000000     .000000     .000000     .000000
```

```
0.50000  837.331568     .000000     .000000     .000000     .000000     .000000
0.75000  837.331568     .000000     .000000     .000000     .000000     .000000
1.00000  837.331568     .000000     .000000     .000000     .000000     .000000

ELEM     325 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  757.888031     .000000     .000000     .000000     .000000     .000000
0.25000  757.888031     .000000     .000000     .000000     .000000     .000000
0.50000  757.888031     .000000     .000000     .000000     .000000     .000000
0.75000  757.888031     .000000     .000000     .000000     .000000     .000000
1.00000  757.888031     .000000     .000000     .000000     .000000     .000000

ELEM     326 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  757.888031     .000000     .000000     .000000     .000000     .000000
0.25000  757.888031     .000000     .000000     .000000     .000000     .000000
0.50000  757.888031     .000000     .000000     .000000     .000000     .000000
0.75000  757.888031     .000000     .000000     .000000     .000000     .000000
1.00000  757.888031     .000000     .000000     .000000     .000000     .000000

ELEM     327 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1805.105     .000000     .000000     .000000     .000000     .000000
0.25000    1805.105     .000000     .000000     .000000     .000000     .000000
0.50000    1805.105     .000000     .000000     .000000     .000000     .000000
0.75000    1805.105     .000000     .000000     .000000     .000000     .000000
1.00000    1805.105     .000000     .000000     .000000     .000000     .000000

ELEM     328 ================== LENGTH =   60.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1614.549    1.432265     .000000     .000000     .000000    6.17E-14
0.50000    1614.549    1.432265     .000000     .000000     .000000   43.326017
1.00000    1614.549    1.432265     .000000     .000000     .000000   86.652035

ELEM     329 ================== LENGTH =   62.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1614.474    7.230542     .000000     .000000     .000000   86.652035
0.50000    1614.474    7.230542     .000000     .000000     .000000  137.558283
1.00000    1614.474    7.230542     .000000     .000000     .000000  361.689893

ELEM     330 ================== LENGTH =   39.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  321.504924   21.998377     .000000     .000000     .000000  361.689893
0.50000  321.504924   21.998377     .000000     .000000     .000000  155.269591
1.00000  321.504924   21.998377     .000000     .000000     .000000  547.463635
```

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ELEM     331 ================== LENGTH =    8.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  319.620647   14.932293     .000000     .000000     .000000  547.463635
0.50000  319.620647   14.932293     .000000     .000000     .000000  502.690101
1.00000  319.620647   14.932293     .000000     .000000     .000000  462.312835

ELEM     332 ================== LENGTH =   48.250000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  319.459226   20.032887     .000000     .000000     .000000  462.312835
0.50000  319.459226   20.032887     .000000     .000000     .000000   75.605760
1.00000  319.459226   20.032887     .000000     .000000     .000000  514.630295

ELEM     333 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  185.110064   36.964265     .000000     .000000     .000000  514.630295
0.50000  185.110064   36.964265     .000000     .000000     .000000  266.941514
1.00000  185.110064   36.964265     .000000     .000000     .000000  520.751358

ELEM     334 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  181.600558   45.193674     .000000     .000000     .000000  520.751358
0.50000  181.600558   45.193674     .000000     .000000     .000000  299.971190
1.00000  181.600558   45.193674     .000000     .000000     .000000  704.992405

ELEM     335 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  181.462149   26.014336     .000000     .000000     .000000  704.992405
0.50000  181.462149   26.014336     .000000     .000000     .000000  183.143022
1.00000  181.462149   26.014336     .000000     .000000     .000000  591.337014

ELEM     336 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  215.010488   36.418834     .000000     .000000     .000000  591.337014
0.50000  215.010488   36.418834     .000000     .000000     .000000  508.589636
1.00000  215.010488   36.418834     .000000     .000000     .000000  741.370917

ELEM     337 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  212.628712   71.362411     .000000     .000000     .000000  741.370917
0.50000  212.628712   71.362411     .000000     .000000     .000000  444.972570
1.00000  212.628712   71.362411     .000000     .000000     .000000    1145.878
```

```
ELEM     338 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  212.529860   40.355026     .000000     .000000     .000000    1145.878
0.50000  212.529860   40.355026     .000000     .000000     .000000  240.314152
1.00000  212.529860   40.355026     .000000     .000000     .000000  823.728595

ELEM     339 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  211.484287   28.274529     .000000     .000000     .000000  823.728595
0.50000  211.484287   28.274529     .000000     .000000     .000000  707.326051
1.00000  211.484287   28.274529     .000000     .000000     .000000  743.190950

ELEM     340 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  201.115448   99.214173     .000000     .000000     .000000  743.190950
0.50000  201.115448   99.214173     .000000     .000000     .000000  600.426554
1.00000  201.115448   99.214173     .000000     .000000     .000000    1733.091

ELEM     341 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  200.702049   58.485503     .000000     .000000     .000000    1733.091
0.50000  200.702049   58.485503     .000000     .000000     .000000  334.255750
1.00000  200.702049   58.485503     .000000     .000000     .000000    1077.185

ELEM     343 ================== LENGTH =    9.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  198.175662   36.181398     .000000     .000000     .000000  282.165446
0.50000  198.175662   36.181398     .000000     .000000     .000000  111.446137
1.00000  198.175662   36.181398     .000000     .000000     .000000   59.340317

ELEM     344 ================== LENGTH =    5.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  193.594602   14.047538     .000000     .000000     .000000   59.340317
0.50000  193.594602   14.047538     .000000     .000000     .000000   33.485791
1.00000  193.594602   14.047538     .000000     .000000     .000000   42.121355

ELEM     345 ================== LENGTH =   84.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   61.097200    0.501445     .000000     .000000     .000000   42.121355
0.50000   61.097200    0.501445     .000000     .000000     .000000   21.060678
1.00000   61.097200    0.501445     .000000     .000000     .000000    3.94E-12
```

ELEM 346 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	99.576118	.000000	.000000	.000000	.000000	.000000
0.25000	99.576118	.000000	.000000	.000000	.000000	.000000
0.50000	99.576118	.000000	.000000	.000000	.000000	.000000
0.75000	99.576118	.000000	.000000	.000000	.000000	.000000
1.00000	99.576118	.000000	.000000	.000000	.000000	.000000

ELEM 347 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	95.000954	.000000	.000000	.000000	.000000	.000000
0.25000	95.000954	.000000	.000000	.000000	.000000	.000000
0.50000	95.000954	.000000	.000000	.000000	.000000	.000000
0.75000	95.000954	.000000	.000000	.000000	.000000	.000000
1.00000	95.000954	.000000	.000000	.000000	.000000	.000000

ELEM 348 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	96.010524	.000000	.000000	.000000	.000000	.000000
0.25000	96.010524	.000000	.000000	.000000	.000000	.000000
0.50000	96.010524	.000000	.000000	.000000	.000000	.000000
0.75000	96.010524	.000000	.000000	.000000	.000000	.000000
1.00000	96.010524	.000000	.000000	.000000	.000000	.000000

ELEM 349 ========== LENGTH = 120.400374

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	4970.215	.000000	.000000	.000000	.000000	.000000
0.50000	4970.215	.000000	.000000	.000000	.000000	.000000
1.00000	4970.215	.000000	.000000	.000000	.000000	.000000

ELEM 350 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	64.626866	.000000	.000000	.000000	.000000	.000000
0.25000	64.626866	.000000	.000000	.000000	.000000	.000000
0.50000	64.626866	.000000	.000000	.000000	.000000	.000000
0.75000	64.626866	.000000	.000000	.000000	.000000	.000000
1.00000	64.626866	.000000	.000000	.000000	.000000	.000000

ELEM 351 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1198.901	.000000	.000000	.000000	.000000	.000000
0.25000	1198.901	.000000	.000000	.000000	.000000	.000000
0.50000	1198.901	.000000	.000000	.000000	.000000	.000000
0.75000	1198.901	.000000	.000000	.000000	.000000	.000000

```
1.00000    1198.901     .000000     .000000     .000000     .000000     .000000

ELEM     352 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5573.723     .000000     .000000     .000000     .000000     .000000
0.50000    5573.723     .000000     .000000     .000000     .000000     .000000
1.00000    5573.723     .000000     .000000     .000000     .000000     .000000

ELEM     353 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  254.624706     .000000     .000000     .000000     .000000     .000000
0.25000  254.624706     .000000     .000000     .000000     .000000     .000000
0.50000  254.624706     .000000     .000000     .000000     .000000     .000000
0.75000  254.624706     .000000     .000000     .000000     .000000     .000000
1.00000  254.624706     .000000     .000000     .000000     .000000     .000000

ELEM     354 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  222.980981     .000000     .000000     .000000     .000000     .000000
0.25000  222.980981     .000000     .000000     .000000     .000000     .000000
0.50000  222.980981     .000000     .000000     .000000     .000000     .000000
0.75000  222.980981     .000000     .000000     .000000     .000000     .000000
1.00000  222.980981     .000000     .000000     .000000     .000000     .000000

ELEM     355 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    6683.245     .000000     .000000     .000000     .000000     .000000
0.50000    6683.245     .000000     .000000     .000000     .000000     .000000
1.00000    6683.245     .000000     .000000     .000000     .000000     .000000

ELEM     356 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  123.789574     .000000     .000000     .000000     .000000     .000000
0.25000  123.789574     .000000     .000000     .000000     .000000     .000000
0.50000  123.789574     .000000     .000000     .000000     .000000     .000000
0.75000  123.789574     .000000     .000000     .000000     .000000     .000000
1.00000  123.789574     .000000     .000000     .000000     .000000     .000000

ELEM     357 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  391.201514     .000000     .000000     .000000     .000000     .000000
0.25000  391.201514     .000000     .000000     .000000     .000000     .000000
0.50000  391.201514     .000000     .000000     .000000     .000000     .000000
0.75000  391.201514     .000000     .000000     .000000     .000000     .000000
1.00000  391.201514     .000000     .000000     .000000     .000000     .000000
```

ELEM 358 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	772.552249	.000000	.000000	.000000	.000000	.000000
0.25000	772.552249	.000000	.000000	.000000	.000000	.000000
0.50000	772.552249	.000000	.000000	.000000	.000000	.000000
0.75000	772.552249	.000000	.000000	.000000	.000000	.000000
1.00000	772.552249	.000000	.000000	.000000	.000000	.000000

ELEM 359 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	261.271739	.000000	.000000	.000000	.000000	.000000
0.25000	261.271739	.000000	.000000	.000000	.000000	.000000
0.50000	261.271739	.000000	.000000	.000000	.000000	.000000
0.75000	261.271739	.000000	.000000	.000000	.000000	.000000
1.00000	261.271739	.000000	.000000	.000000	.000000	.000000

ELEM 360 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	261.271739	.000000	.000000	.000000	.000000	.000000
0.25000	261.271739	.000000	.000000	.000000	.000000	.000000
0.50000	261.271739	.000000	.000000	.000000	.000000	.000000
0.75000	261.271739	.000000	.000000	.000000	.000000	.000000
1.00000	261.271739	.000000	.000000	.000000	.000000	.000000

ELEM 361 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1405.935	.000000	.000000	.000000	.000000	.000000
0.25000	1405.935	.000000	.000000	.000000	.000000	.000000
0.50000	1405.935	.000000	.000000	.000000	.000000	.000000
0.75000	1405.935	.000000	.000000	.000000	.000000	.000000
1.00000	1405.935	.000000	.000000	.000000	.000000	.000000

ELEM 362 ========== LENGTH = 60.500000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	296.227584	1.384644	.000000	.000000	.000000	5.98E-14
0.50000	296.227584	1.384644	.000000	.000000	.000000	41.885492
1.00000	296.227584	1.384644	.000000	.000000	.000000	83.770984

ELEM 363 ========== LENGTH = 62.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	296.193249	7.190302	.000000	.000000	.000000	83.770984
0.50000	296.193249	7.190302	.000000	.000000	.000000	139.362172
1.00000	296.193249	7.190302	.000000	.000000	.000000	362.207529

```
ELEM     364 ================== LENGTH =   39.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  296.127762   21.928569     .000000     .000000     .000000  362.207529
0.50000  296.127762   21.928569     .000000     .000000     .000000  149.421136
1.00000  296.127762   21.928569     .000000     .000000     .000000  541.622712

ELEM     365 ================== LENGTH =    8.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  295.253192   14.747497     .000000     .000000     .000000  541.622712
0.50000  295.253192   14.747497     .000000     .000000     .000000  491.585050
1.00000  295.253192   14.747497     .000000     .000000     .000000  444.762114

ELEM     366 ================== LENGTH =   48.250000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  295.183115   18.743656     .000000     .000000     .000000  444.762114
0.50000  295.183115   18.743656     .000000     .000000     .000000   60.693998
1.00000  295.183115   18.743656     .000000     .000000     .000000  467.447386

ELEM     367 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  197.836124   37.212102     .000000     .000000     .000000  467.447386
0.50000  197.836124   37.212102     .000000     .000000     .000000  231.043533
1.00000  197.836124   37.212102     .000000     .000000     .000000  535.780221

ELEM     368 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  199.584677   40.102439     .000000     .000000     .000000  535.780221
0.50000  199.584677   40.102439     .000000     .000000     .000000  225.160652
1.00000  199.584677   40.102439     .000000     .000000     .000000  526.780231

ELEM     369 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  199.634236   19.945259     .000000     .000000     .000000  526.780231
0.50000  199.634236   19.945259     .000000     .000000     .000000  180.075535
1.00000  199.634236   19.945259     .000000     .000000     .000000  495.618777

ELEM     370 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  155.335642   36.442012     .000000     .000000     .000000  495.618777
0.50000  155.335642   36.442012     .000000     .000000     .000000  426.489243
1.00000  155.335642   36.442012     .000000     .000000     .000000  707.543637
```

```
ELEM     371 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  151.580782   67.020343     .000000     .000000     .000000  707.543637
0.50000  151.580782   67.020343     .000000     .000000     .000000  434.990222
1.00000  151.580782   67.020343     .000000     .000000     .000000    1082.327

ELEM     372 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  151.414059   37.548736     .000000     .000000     .000000    1082.327
0.50000  151.414059   37.548736     .000000     .000000     .000000  235.379121
1.00000  151.414059   37.548736     .000000     .000000     .000000  750.724972

ELEM     373 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  151.184620   26.847249     .000000     .000000     .000000  750.724972
0.50000  151.184620   26.847249     .000000     .000000     .000000  689.899114
1.00000  151.184620   26.847249     .000000     .000000     .000000  771.956430

ELEM     374 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  143.837488   95.110880     .000000     .000000     .000000  771.956430
0.50000  143.837488   95.110880     .000000     .000000     .000000  511.223758
1.00000  143.837488   95.110880     .000000     .000000     .000000    1591.243

ELEM     375 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  143.549163   51.512175     .000000     .000000     .000000    1591.243
0.50000  143.549163   51.512175     .000000     .000000     .000000  358.351511
1.00000  143.549163   51.512175     .000000     .000000     .000000  884.089780

ELEM     377 ================== LENGTH =    9.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  141.830455   54.883506     .000000     .000000     .000000  430.382170
0.50000  141.830455   54.883506     .000000     .000000     .000000  171.410039
1.00000  141.830455   54.883506     .000000     .000000     .000000   87.617750

ELEM     378 ================== LENGTH =    5.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  138.749776   12.322577     .000000     .000000     .000000   87.617750
0.50000  138.749776   12.322577     .000000     .000000     .000000   67.372355
1.00000  138.749776   12.322577     .000000     .000000     .000000   61.240192
```

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ELEM     379 ================== LENGTH =   84.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   49.803772    0.729050     .000000     .000000     .000000   61.240192
0.50000   49.803772    0.729050     .000000     .000000     .000000   30.620096
1.00000   49.803772    0.729050     .000000     .000000     .000000    4.29E-12

ELEM     380 ================== LENGTH =   60.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4408.616     .000000     .000000     .000000     .000000     .000000
0.50000    4408.616     .000000     .000000     .000000     .000000     .000000
1.00000    4408.616     .000000     .000000     .000000     .000000     .000000

ELEM     381 ================== LENGTH =   36.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1148.183     .000000     .000000     .000000     .000000     .000000
0.25000    1148.183     .000000     .000000     .000000     .000000     .000000
0.50000    1148.183     .000000     .000000     .000000     .000000     .000000
0.75000    1148.183     .000000     .000000     .000000     .000000     .000000
1.00000    1148.183     .000000     .000000     .000000     .000000     .000000

ELEM     382 ================== LENGTH =   60.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    6448.743     .000000     .000000     .000000     .000000     .000000
0.50000    6448.743     .000000     .000000     .000000     .000000     .000000
1.00000    6448.743     .000000     .000000     .000000     .000000     .000000

ELEM     383 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   98.233228     .000000     .000000     .000000     .000000     .000000
0.25000   98.233228     .000000     .000000     .000000     .000000     .000000
0.50000   98.233228     .000000     .000000     .000000     .000000     .000000
0.75000   98.233228     .000000     .000000     .000000     .000000     .000000
1.00000   98.233228     .000000     .000000     .000000     .000000     .000000

ELEM     384 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   77.162835     .000000     .000000     .000000     .000000     .000000
0.25000   77.162835     .000000     .000000     .000000     .000000     .000000
0.50000   77.162835     .000000     .000000     .000000     .000000     .000000
0.75000   77.162835     .000000     .000000     .000000     .000000     .000000
1.00000   77.162835     .000000     .000000     .000000     .000000     .000000

ELEM     385 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	85.156119	.000000	.000000	.000000	.000000	.000000
0.25000	85.156119	.000000	.000000	.000000	.000000	.000000
0.50000	85.156119	.000000	.000000	.000000	.000000	.000000
0.75000	85.156119	.000000	.000000	.000000	.000000	.000000
1.00000	85.156119	.000000	.000000	.000000	.000000	.000000

ELEM 386 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	376.146392	.000000	.000000	.000000	.000000	.000000
0.25000	376.146392	.000000	.000000	.000000	.000000	.000000
0.50000	376.146392	.000000	.000000	.000000	.000000	.000000
0.75000	376.146392	.000000	.000000	.000000	.000000	.000000
1.00000	376.146392	.000000	.000000	.000000	.000000	.000000

ELEM 387 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	383.689448	.000000	.000000	.000000	.000000	.000000
0.25000	383.689448	.000000	.000000	.000000	.000000	.000000
0.50000	383.689448	.000000	.000000	.000000	.000000	.000000
0.75000	383.689448	.000000	.000000	.000000	.000000	.000000
1.00000	383.689448	.000000	.000000	.000000	.000000	.000000

ELEM 388 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	122.117278	.000000	.000000	.000000	.000000	.000000
0.25000	122.117278	.000000	.000000	.000000	.000000	.000000
0.50000	122.117278	.000000	.000000	.000000	.000000	.000000
0.75000	122.117278	.000000	.000000	.000000	.000000	.000000
1.00000	122.117278	.000000	.000000	.000000	.000000	.000000

ELEM 389 ========== LENGTH = 120.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	6027.239	.000000	.000000	.000000	.000000	.000000
0.50000	6027.239	.000000	.000000	.000000	.000000	.000000
1.00000	6027.239	.000000	.000000	.000000	.000000	.000000

ELEM 390 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	148.599589	.000000	.000000	.000000	.000000	.000000
0.25000	148.599589	.000000	.000000	.000000	.000000	.000000
0.50000	148.599589	.000000	.000000	.000000	.000000	.000000
0.75000	148.599589	.000000	.000000	.000000	.000000	.000000
1.00000	148.599589	.000000	.000000	.000000	.000000	.000000

ELEM 391 ========== LENGTH = 72.000000

```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  250.159949     .000000     .000000     .000000     .000000     .000000
0.25000  250.159949     .000000     .000000     .000000     .000000     .000000
0.50000  250.159949     .000000     .000000     .000000     .000000     .000000
0.75000  250.159949     .000000     .000000     .000000     .000000     .000000
1.00000  250.159949     .000000     .000000     .000000     .000000     .000000

ELEM     392 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  722.162148     .000000     .000000     .000000     .000000     .000000
0.25000  722.162148     .000000     .000000     .000000     .000000     .000000
0.50000  722.162148     .000000     .000000     .000000     .000000     .000000
0.75000  722.162148     .000000     .000000     .000000     .000000     .000000
1.00000  722.162148     .000000     .000000     .000000     .000000     .000000

ELEM     393 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  328.559774     .000000     .000000     .000000     .000000     .000000
0.25000  328.559774     .000000     .000000     .000000     .000000     .000000
0.50000  328.559774     .000000     .000000     .000000     .000000     .000000
0.75000  328.559774     .000000     .000000     .000000     .000000     .000000
1.00000  328.559774     .000000     .000000     .000000     .000000     .000000

ELEM     394 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  328.559774     .000000     .000000     .000000     .000000     .000000
0.25000  328.559774     .000000     .000000     .000000     .000000     .000000
0.50000  328.559774     .000000     .000000     .000000     .000000     .000000
0.75000  328.559774     .000000     .000000     .000000     .000000     .000000
1.00000  328.559774     .000000     .000000     .000000     .000000     .000000

ELEM     395 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  931.953364     .000000     .000000     .000000     .000000     .000000
0.25000  931.953364     .000000     .000000     .000000     .000000     .000000
0.50000  931.953364     .000000     .000000     .000000     .000000     .000000
0.75000  931.953364     .000000     .000000     .000000     .000000     .000000
1.00000  931.953364     .000000     .000000     .000000     .000000     .000000

ELEM     396 ================== LENGTH =   60.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5164.961     .000000     .000000     .000000     .000000     .000000
0.50000    5164.961     .000000     .000000     .000000     .000000     .000000
1.00000    5164.961     .000000     .000000     .000000     .000000     .000000

ELEM     397 ================== LENGTH =   36.000000
```

```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  418.913283     .000000     .000000     .000000     .000000     .000000
0.25000  418.913283     .000000     .000000     .000000     .000000     .000000
0.50000  418.913283     .000000     .000000     .000000     .000000     .000000
0.75000  418.913283     .000000     .000000     .000000     .000000     .000000
1.00000  418.913283     .000000     .000000     .000000     .000000     .000000

ELEM     398 ================== LENGTH =   60.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5688.131     .000000     .000000     .000000     .000000     .000000
0.50000    5688.131     .000000     .000000     .000000     .000000     .000000
1.00000    5688.131     .000000     .000000     .000000     .000000     .000000

ELEM     399 ================== LENGTH =   60.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1015.295    1.354091     .000000     .000000     .000000    2.33E-13
0.50000    1015.295    1.354091     .000000     .000000     .000000   40.961267
1.00000    1015.295    1.354091     .000000     .000000     .000000   81.922533

ELEM     400 ================== LENGTH =   62.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1015.239    7.121472     .000000     .000000     .000000   81.922533
0.50000    1015.239    7.121472     .000000     .000000     .000000  139.471783
1.00000    1015.239    7.121472     .000000     .000000     .000000  360.094969

ELEM     401 ================== LENGTH =   39.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1015.135   21.688615     .000000     .000000     .000000  360.094969
0.50000    1015.135   21.688615     .000000     .000000     .000000  151.733598
1.00000    1015.135   21.688615     .000000     .000000     .000000  536.661283

ELEM     402 ================== LENGTH =    8.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1013.718   15.202862     .000000     .000000     .000000  536.661283
0.50000    1013.718   15.202862     .000000     .000000     .000000  485.677108
1.00000    1013.718   15.202862     .000000     .000000     .000000  438.301993

ELEM     403 ================== LENGTH =   48.250000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1013.603   18.309157     .000000     .000000     .000000  438.301993
0.50000    1013.603   18.309157     .000000     .000000     .000000   59.259271
1.00000    1013.603   18.309157     .000000     .000000     .000000  452.909857
```

```
ELEM     404 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1422.233   37.000895     .000000     .000000     .000000  452.909857
0.50000    1422.233   37.000895     .000000     .000000     .000000  246.951598
1.00000    1422.233   37.000895     .000000     .000000     .000000  557.793794

ELEM     405 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1418.792   40.398890     .000000     .000000     .000000  557.793794
0.50000    1418.792   40.398890     .000000     .000000     .000000  190.241841
1.00000    1418.792   40.398890     .000000     .000000     .000000  480.922289

ELEM     406 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1418.667   16.972776     .000000     .000000     .000000  480.922289
0.50000    1418.667   16.972776     .000000     .000000     .000000  186.752732
1.00000    1418.667   16.972776     .000000     .000000     .000000  412.709895

ELEM     407 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  694.101859   36.600187     .000000     .000000     .000000  412.709895
0.50000  694.101859   36.600187     .000000     .000000     .000000  392.837416
1.00000  694.101859   36.600187     .000000     .000000     .000000  723.954587

ELEM     408 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  688.248119   65.554146     .000000     .000000     .000000  723.954587
0.50000  688.248119   65.554146     .000000     .000000     .000000  419.477926
1.00000  688.248119   65.554146     .000000     .000000     .000000    1032.206

ELEM     409 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  688.016306   35.459268     .000000     .000000     .000000    1032.206
0.50000  688.016306   35.459268     .000000     .000000     .000000  237.469203
1.00000  688.016306   35.459268     .000000     .000000     .000000  704.139692

ELEM     410 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  207.429159   25.727490     .000000     .000000     .000000  704.139692
0.50000  207.429159   25.727490     .000000     .000000     .000000  685.309062
1.00000  207.429159   25.727490     .000000     .000000     .000000  796.311867
```

```
ELEM     411 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  197.512921   92.615877     .000000     .000000     .000000  796.311867
0.50000  197.512921   92.615877     .000000     .000000     .000000  449.345429
1.00000  197.512921   92.615877     .000000     .000000     .000000    1496.692

ELEM     412 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  197.122208   47.091009     .000000     .000000     .000000    1496.692
0.50000  197.122208   47.091009     .000000     .000000     .000000  368.674005
1.00000  197.122208   47.091009     .000000     .000000     .000000  765.758385

ELEM     414 ================== LENGTH =    9.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  194.775657   64.649051     .000000     .000000     .000000  508.671435
0.50000  194.775657   64.649051     .000000     .000000     .000000  203.615857
1.00000  194.775657   64.649051     .000000     .000000     .000000  101.482591

ELEM     415 ================== LENGTH =    5.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  190.544545    9.124348     .000000     .000000     .000000  101.482591
0.50000  190.544545    9.124348     .000000     .000000     .000000   93.743337
1.00000  190.544545    9.124348     .000000     .000000     .000000   92.546766

ELEM     416 ================== LENGTH =   84.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   68.542941    1.101747     .000000     .000000     .000000   92.546766
0.50000   68.542941    1.101747     .000000     .000000     .000000   46.273383
1.00000   68.542941    1.101747     .000000     .000000     .000000    2.67E-12

ELEM     417 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   97.751560     .000000     .000000     .000000     .000000     .000000
0.25000   97.751560     .000000     .000000     .000000     .000000     .000000
0.50000   97.751560     .000000     .000000     .000000     .000000     .000000
0.75000   97.751560     .000000     .000000     .000000     .000000     .000000
1.00000   97.751560     .000000     .000000     .000000     .000000     .000000

ELEM     418 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   68.452385     .000000     .000000     .000000     .000000     .000000
```

```
0.25000   68.452385     .000000     .000000     .000000     .000000     .000000
0.50000   68.452385     .000000     .000000     .000000     .000000     .000000
0.75000   68.452385     .000000     .000000     .000000     .000000     .000000
1.00000   68.452385     .000000     .000000     .000000     .000000     .000000

ELEM     419 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   74.051577     .000000     .000000     .000000     .000000     .000000
0.25000   74.051577     .000000     .000000     .000000     .000000     .000000
0.50000   74.051577     .000000     .000000     .000000     .000000     .000000
0.75000   74.051577     .000000     .000000     .000000     .000000     .000000
1.00000   74.051577     .000000     .000000     .000000     .000000     .000000

ELEM     420 ================== LENGTH =  120.400374

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5708.087     .000000     .000000     .000000     .000000     .000000
0.50000    5708.087     .000000     .000000     .000000     .000000     .000000
1.00000    5708.087     .000000     .000000     .000000     .000000     .000000

ELEM     421 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  703.146356     .000000     .000000     .000000     .000000     .000000
0.25000  703.146356     .000000     .000000     .000000     .000000     .000000
0.50000  703.146356     .000000     .000000     .000000     .000000     .000000
0.75000  703.146356     .000000     .000000     .000000     .000000     .000000
1.00000  703.146356     .000000     .000000     .000000     .000000     .000000

ELEM     422 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  461.989159     .000000     .000000     .000000     .000000     .000000
0.25000  461.989159     .000000     .000000     .000000     .000000     .000000
0.50000  461.989159     .000000     .000000     .000000     .000000     .000000
0.75000  461.989159     .000000     .000000     .000000     .000000     .000000
1.00000  461.989159     .000000     .000000     .000000     .000000     .000000

ELEM     423 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  407.432659     .000000     .000000     .000000     .000000     .000000
0.25000  407.432659     .000000     .000000     .000000     .000000     .000000
0.50000  407.432659     .000000     .000000     .000000     .000000     .000000
0.75000  407.432659     .000000     .000000     .000000     .000000     .000000
1.00000  407.432659     .000000     .000000     .000000     .000000     .000000

ELEM     424 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
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```
0.00000   45.839545     .000000     .000000     .000000     .000000     .000000
0.25000   45.839545     .000000     .000000     .000000     .000000     .000000
0.50000   45.839545     .000000     .000000     .000000     .000000     .000000
0.75000   45.839545     .000000     .000000     .000000     .000000     .000000
1.00000   45.839545     .000000     .000000     .000000     .000000     .000000

ELEM     425 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4765.515     .000000     .000000     .000000     .000000     .000000
0.50000    4765.515     .000000     .000000     .000000     .000000     .000000
1.00000    4765.515     .000000     .000000     .000000     .000000     .000000

ELEM     426 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  606.561636     .000000     .000000     .000000     .000000     .000000
0.25000  606.561636     .000000     .000000     .000000     .000000     .000000
0.50000  606.561636     .000000     .000000     .000000     .000000     .000000
0.75000  606.561636     .000000     .000000     .000000     .000000     .000000
1.00000  606.561636     .000000     .000000     .000000     .000000     .000000

ELEM     427 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  134.501174     .000000     .000000     .000000     .000000     .000000
0.25000  134.501174     .000000     .000000     .000000     .000000     .000000
0.50000  134.501174     .000000     .000000     .000000     .000000     .000000
0.75000  134.501174     .000000     .000000     .000000     .000000     .000000
1.00000  134.501174     .000000     .000000     .000000     .000000     .000000

ELEM     428 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5300.629     .000000     .000000     .000000     .000000     .000000
0.50000    5300.629     .000000     .000000     .000000     .000000     .000000
1.00000    5300.629     .000000     .000000     .000000     .000000     .000000

ELEM     429 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  680.626209     .000000     .000000     .000000     .000000     .000000
0.25000  680.626209     .000000     .000000     .000000     .000000     .000000
0.50000  680.626209     .000000     .000000     .000000     .000000     .000000
0.75000  680.626209     .000000     .000000     .000000     .000000     .000000
1.00000  680.626209     .000000     .000000     .000000     .000000     .000000

ELEM     430 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  828.810069     .000000     .000000     .000000     .000000     .000000
```

```
0.25000  828.810069     .000000     .000000     .000000     .000000     .000000
0.50000  828.810069     .000000     .000000     .000000     .000000     .000000
0.75000  828.810069     .000000     .000000     .000000     .000000     .000000
1.00000  828.810069     .000000     .000000     .000000     .000000     .000000

ELEM     431 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  828.810069     .000000     .000000     .000000     .000000     .000000
0.25000  828.810069     .000000     .000000     .000000     .000000     .000000
0.50000  828.810069     .000000     .000000     .000000     .000000     .000000
0.75000  828.810069     .000000     .000000     .000000     .000000     .000000
1.00000  828.810069     .000000     .000000     .000000     .000000     .000000

ELEM     432 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  516.496399     .000000     .000000     .000000     .000000     .000000
0.25000  516.496399     .000000     .000000     .000000     .000000     .000000
0.50000  516.496399     .000000     .000000     .000000     .000000     .000000
0.75000  516.496399     .000000     .000000     .000000     .000000     .000000
1.00000  516.496399     .000000     .000000     .000000     .000000     .000000

ELEM     433 ================== LENGTH =   60.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3239.977    1.343087     .000000     .000000     .000000    7.60E-14
0.50000    3239.977    1.343087     .000000     .000000     .000000   40.628381
1.00000    3239.977    1.343087     .000000     .000000     .000000   81.256761

ELEM     434 ================== LENGTH =   62.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3239.831    7.003636     .000000     .000000     .000000   81.256761
0.50000    3239.831    7.003636     .000000     .000000     .000000  137.201309
1.00000    3239.831    7.003636     .000000     .000000     .000000  354.007897

ELEM     435 ================== LENGTH =   39.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1720.356   21.239553     .000000     .000000     .000000  354.007897
0.50000    1720.356   21.239553     .000000     .000000     .000000  163.969995
1.00000    1720.356   21.239553     .000000     .000000     .000000  533.712025

ELEM     436 ================== LENGTH =    8.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1716.613   16.410364     .000000     .000000     .000000  533.712025
0.50000    1716.613   16.410364     .000000     .000000     .000000  487.349154
1.00000    1716.613   16.410364     .000000     .000000     .000000  447.099916
```

```
ELEM     437 ================== LENGTH =   48.250000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1716.311   19.241275     .000000     .000000     .000000  447.099916
0.50000    1716.311   19.241275     .000000     .000000     .000000   71.975812
1.00000    1716.311   19.241275     .000000     .000000     .000000  491.343168

ELEM     438 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2132.901   36.684764     .000000     .000000     .000000  491.343168
0.50000    2132.901   36.684764     .000000     .000000     .000000  313.272943
1.00000    2132.901   36.684764     .000000     .000000     .000000  585.187210

ELEM     439 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2122.038   47.977360     .000000     .000000     .000000  585.187210
0.50000    2122.038   47.977360     .000000     .000000     .000000  235.868455
1.00000    2122.038   47.977360     .000000     .000000     .000000  657.076851

ELEM     440 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2121.599   22.684385     .000000     .000000     .000000  657.076851
0.50000    2121.599   22.684385     .000000     .000000     .000000  203.428455
1.00000    2121.599   22.684385     .000000     .000000     .000000  493.775215

ELEM     441 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2319.755   36.683514     .000000     .000000     .000000  493.775215
0.50000    2319.755   36.683514     .000000     .000000     .000000  471.803775
1.00000    2319.755   36.683514     .000000     .000000     .000000  767.423960

ELEM     442 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2305.892   71.636441     .000000     .000000     .000000  767.423960
0.50000    2305.892   71.636441     .000000     .000000     .000000  449.151206
1.00000    2305.892   71.636441     .000000     .000000     .000000    1136.876

ELEM     443 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2305.351   39.173385     .000000     .000000     .000000    1136.876
0.50000    2305.351   39.173385     .000000     .000000     .000000  252.335685
1.00000    2305.351   39.173385     .000000     .000000     .000000  776.315833
```

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ELEM     444 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2964.895   24.518547     .000000     .000000     .000000  776.315833
0.50000    2964.895   24.518547     .000000     .000000     .000000  752.205817
1.00000    2964.895   24.518547     .000000     .000000     .000000  837.910940

ELEM     445 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2945.929   94.933501     .000000     .000000     .000000  837.910940
0.50000    2945.929   94.933501     .000000     .000000     .000000  423.549578
1.00000    2945.929   94.933501     .000000     .000000     .000000    1500.752

ELEM     446 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2945.216   46.554285     .000000     .000000     .000000    1500.752
0.50000    2945.216   46.554285     .000000     .000000     .000000  384.545695
1.00000    2945.216   46.554285     .000000     .000000     .000000  735.000621

ELEM     448 ================== LENGTH =    9.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  372.251885   63.941596     .000000     .000000     .000000  505.171709
0.50000  372.251885   63.941596     .000000     .000000     .000000  203.452674
1.00000  372.251885   63.941596     .000000     .000000     .000000   98.299341

ELEM     449 ================== LENGTH =    5.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  363.429284    8.435021     .000000     .000000     .000000   98.299341
0.50000  363.429284    8.435021     .000000     .000000     .000000  111.663408
1.00000  363.429284    8.435021     .000000     .000000     .000000  127.966429

ELEM     450 ================== LENGTH =   84.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  110.933540    1.523410     .000000     .000000     .000000  127.966429
0.50000  110.933540    1.523410     .000000     .000000     .000000   63.983215
1.00000  110.933540    1.523410     .000000     .000000     .000000    2.55E-12

ELEM     451 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   98.402731     .000000     .000000     .000000     .000000     .000000
0.25000   98.402731     .000000     .000000     .000000     .000000     .000000
0.50000   98.402731     .000000     .000000     .000000     .000000     .000000
0.75000   98.402731     .000000     .000000     .000000     .000000     .000000
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1.00000   98.402731     .000000     .000000     .000000     .000000     .000000

ELEM     452 ================== LENGTH =   95.015788

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4603.230     .000000     .000000     .000000     .000000     .000000
0.50000    4603.230     .000000     .000000     .000000     .000000     .000000
1.00000    4603.230     .000000     .000000     .000000     .000000     .000000

ELEM     453 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   56.879832     .000000     .000000     .000000     .000000     .000000
0.25000   56.879832     .000000     .000000     .000000     .000000     .000000
0.50000   56.879832     .000000     .000000     .000000     .000000     .000000
0.75000   56.879832     .000000     .000000     .000000     .000000     .000000
1.00000   56.879832     .000000     .000000     .000000     .000000     .000000

ELEM     454 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   57.659824     .000000     .000000     .000000     .000000     .000000
0.25000   57.659824     .000000     .000000     .000000     .000000     .000000
0.50000   57.659824     .000000     .000000     .000000     .000000     .000000
0.75000   57.659824     .000000     .000000     .000000     .000000     .000000
1.00000   57.659824     .000000     .000000     .000000     .000000     .000000

ELEM     455 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  134.228905     .000000     .000000     .000000     .000000     .000000
0.25000  134.228905     .000000     .000000     .000000     .000000     .000000
0.50000  134.228905     .000000     .000000     .000000     .000000     .000000
0.75000  134.228905     .000000     .000000     .000000     .000000     .000000
1.00000  134.228905     .000000     .000000     .000000     .000000     .000000

ELEM     456 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  809.200600     .000000     .000000     .000000     .000000     .000000
0.50000  809.200600     .000000     .000000     .000000     .000000     .000000
1.00000  809.200600     .000000     .000000     .000000     .000000     .000000

ELEM     457 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  519.928359     .000000     .000000     .000000     .000000     .000000
0.25000  519.928359     .000000     .000000     .000000     .000000     .000000
0.50000  519.928359     .000000     .000000     .000000     .000000     .000000
0.75000  519.928359     .000000     .000000     .000000     .000000     .000000
1.00000  519.928359     .000000     .000000     .000000     .000000     .000000
```

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ELEM     458 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  106.353382     .000000     .000000     .000000     .000000     .000000
0.25000  106.353382     .000000     .000000     .000000     .000000     .000000
0.50000  106.353382     .000000     .000000     .000000     .000000     .000000
0.75000  106.353382     .000000     .000000     .000000     .000000     .000000
1.00000  106.353382     .000000     .000000     .000000     .000000     .000000

ELEM     459 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  436.272178     .000000     .000000     .000000     .000000     .000000
0.50000  436.272178     .000000     .000000     .000000     .000000     .000000
1.00000  436.272178     .000000     .000000     .000000     .000000     .000000

ELEM     460 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  106.399802     .000000     .000000     .000000     .000000     .000000
0.25000  106.399802     .000000     .000000     .000000     .000000     .000000
0.50000  106.399802     .000000     .000000     .000000     .000000     .000000
0.75000  106.399802     .000000     .000000     .000000     .000000     .000000
1.00000  106.399802     .000000     .000000     .000000     .000000     .000000

ELEM     461 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   76.326904     .000000     .000000     .000000     .000000     .000000
0.25000   76.326904     .000000     .000000     .000000     .000000     .000000
0.50000   76.326904     .000000     .000000     .000000     .000000     .000000
0.75000   76.326904     .000000     .000000     .000000     .000000     .000000
1.00000   76.326904     .000000     .000000     .000000     .000000     .000000

ELEM     462 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  508.518084     .000000     .000000     .000000     .000000     .000000
0.50000  508.518084     .000000     .000000     .000000     .000000     .000000
1.00000  508.518084     .000000     .000000     .000000     .000000     .000000

ELEM     463 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  120.974132     .000000     .000000     .000000     .000000     .000000
0.25000  120.974132     .000000     .000000     .000000     .000000     .000000
0.50000  120.974132     .000000     .000000     .000000     .000000     .000000
0.75000  120.974132     .000000     .000000     .000000     .000000     .000000
1.00000  120.974132     .000000     .000000     .000000     .000000     .000000
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ELEM     464 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5242.888     .000000     .000000     .000000     .000000     .000000
0.50000    5242.888     .000000     .000000     .000000     .000000     .000000
1.00000    5242.888     .000000     .000000     .000000     .000000     .000000

ELEM     465 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  311.978488     .000000     .000000     .000000     .000000     .000000
0.25000  311.978488     .000000     .000000     .000000     .000000     .000000
0.50000  311.978488     .000000     .000000     .000000     .000000     .000000
0.75000  311.978488     .000000     .000000     .000000     .000000     .000000
1.00000  311.978488     .000000     .000000     .000000     .000000     .000000

ELEM     466 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2775.167     .000000     .000000     .000000     .000000     .000000
0.50000    2775.167     .000000     .000000     .000000     .000000     .000000
1.00000    2775.167     .000000     .000000     .000000     .000000     .000000

ELEM     467 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1339.118     .000000     .000000     .000000     .000000     .000000
0.25000    1339.118     .000000     .000000     .000000     .000000     .000000
0.50000    1339.118     .000000     .000000     .000000     .000000     .000000
0.75000    1339.118     .000000     .000000     .000000     .000000     .000000
1.00000    1339.118     .000000     .000000     .000000     .000000     .000000

ELEM     468 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1339.118     .000000     .000000     .000000     .000000     .000000
0.25000    1339.118     .000000     .000000     .000000     .000000     .000000
0.50000    1339.118     .000000     .000000     .000000     .000000     .000000
0.75000    1339.118     .000000     .000000     .000000     .000000     .000000
1.00000    1339.118     .000000     .000000     .000000     .000000     .000000

ELEM     469 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  404.894563     .000000     .000000     .000000     .000000     .000000
0.25000  404.894563     .000000     .000000     .000000     .000000     .000000
0.50000  404.894563     .000000     .000000     .000000     .000000     .000000
0.75000  404.894563     .000000     .000000     .000000     .000000     .000000
1.00000  404.894563     .000000     .000000     .000000     .000000     .000000

ELEM     470 ================== LENGTH =   60.500000
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SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3909.787    1.320527     .000000     .000000     .000000    6.58E-14
0.50000    3909.787    1.320527     .000000     .000000     .000000   39.945932
1.00000    3909.787    1.320527     .000000     .000000     .000000   79.891865

ELEM     471 ================== LENGTH =   62.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3911.963    6.873769     .000000     .000000     .000000   79.891865
0.50000    3911.963    6.873769     .000000     .000000     .000000  136.012887
1.00000    3911.963    6.873769     .000000     .000000     .000000  348.465628

ELEM     472 ================== LENGTH =   39.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3911.611   20.967852     .000000     .000000     .000000  348.465628
0.50000    3911.611   20.967852     .000000     .000000     .000000  163.324853
1.00000    3911.611   20.967852     .000000     .000000     .000000  528.450189

ELEM     473 ================== LENGTH =    8.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3906.797   16.964804     .000000     .000000     .000000  528.450189
0.50000    3906.797   16.964804     .000000     .000000     .000000  481.544054
1.00000    3906.797   16.964804     .000000     .000000     .000000  441.482378

ELEM     474 ================== LENGTH =   48.250000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3906.404   19.488597     .000000     .000000     .000000  441.482378
0.50000    3906.404   19.488597     .000000     .000000     .000000   87.200900
1.00000    3906.404   19.488597     .000000     .000000     .000000  512.256454

ELEM     475 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3905.857   37.507458     .000000     .000000     .000000  512.256454
0.50000    3905.857   37.507458     .000000     .000000     .000000  328.778957
1.00000    3905.857   37.507458     .000000     .000000     .000000  599.120723

ELEM     476 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3889.620   51.212776     .000000     .000000     .000000  599.120723
0.50000    3889.620   51.212776     .000000     .000000     .000000  275.198544
1.00000    3889.620   51.212776     .000000     .000000     .000000  740.185361

ELEM     477 ================== LENGTH =   48.000000
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SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3462.994   25.476032     .000000     .000000     .000000  740.185361
0.50000    3462.994   25.476032     .000000     .000000     .000000  210.996197
1.00000    3462.994   25.476032     .000000     .000000     .000000  537.442919

ELEM     478 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3462.194   36.400650     .000000     .000000     .000000  537.442919
0.50000    3462.194   36.400650     .000000     .000000     .000000  510.970234
1.00000    3462.194   36.400650     .000000     .000000     .000000  784.180069

ELEM     479 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3438.945   74.013686     .000000     .000000     .000000  784.180069
0.50000    3438.945   74.013686     .000000     .000000     .000000  447.624253
1.00000    3438.945   74.013686     .000000     .000000     .000000    1167.676

ELEM     480 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3245.460   40.264932     .000000     .000000     .000000    1167.676
0.50000    3245.460   40.264932     .000000     .000000     .000000  253.605607
1.00000    3245.460   40.264932     .000000     .000000     .000000  795.525384

ELEM     481 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3244.402   23.484474     .000000     .000000     .000000  795.525384
0.50000    3244.402   23.484474     .000000     .000000     .000000  757.146776
1.00000    3244.402   23.484474     .000000     .000000     .000000  820.073020

ELEM     482 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3212.978   97.059097     .000000     .000000     .000000  820.073020
0.50000    3212.978   97.059097     .000000     .000000     .000000  459.560653
1.00000    3212.978   97.059097     .000000     .000000     .000000    1569.384

ELEM     483 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2986.098   51.676615     .000000     .000000     .000000    1569.384
0.50000    2986.098   51.676615     .000000     .000000     .000000  330.149483
1.00000    2986.098   51.676615     .000000     .000000     .000000  911.819416

ELEM     485 ================== LENGTH =    9.437500
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SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  877.111182   37.733788     .000000     .000000     .000000  302.442690
0.50000  877.111182   37.733788     .000000     .000000     .000000  124.404011
1.00000  877.111182   37.733788     .000000     .000000     .000000   53.751623

ELEM     486 ================== LENGTH =    5.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  871.898118   21.594180     .000000     .000000     .000000   53.751623
0.50000  871.898118   21.594180     .000000     .000000     .000000  109.510444
1.00000  871.898118   21.594180     .000000     .000000     .000000  168.255637

ELEM     487 ================== LENGTH =   84.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  164.713339    2.003043     .000000     .000000     .000000  168.255637
0.50000  164.713339    2.003043     .000000     .000000     .000000   84.127819
1.00000  164.713339    2.003043     .000000     .000000     .000000    9.35E-13

ELEM     488 ================== LENGTH =   94.043873

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4650.809     .000000     .000000     .000000     .000000     .000000
0.50000    4650.809     .000000     .000000     .000000     .000000     .000000
1.00000    4650.809     .000000     .000000     .000000     .000000     .000000

ELEM     489 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    8.308517     .000000     .000000     .000000     .000000     .000000
0.25000    8.308517     .000000     .000000     .000000     .000000     .000000
0.50000    8.308517     .000000     .000000     .000000     .000000     .000000
0.75000    8.308517     .000000     .000000     .000000     .000000     .000000
1.00000    8.308517     .000000     .000000     .000000     .000000     .000000

ELEM     490 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   28.213435     .000000     .000000     .000000     .000000     .000000
0.25000   28.213435     .000000     .000000     .000000     .000000     .000000
0.50000   28.213435     .000000     .000000     .000000     .000000     .000000
0.75000   28.213435     .000000     .000000     .000000     .000000     .000000
1.00000   28.213435     .000000     .000000     .000000     .000000     .000000

ELEM     491 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   41.517719     .000000     .000000     .000000     .000000     .000000
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0.25000   41.517719     .000000     .000000     .000000     .000000     .000000
0.50000   41.517719     .000000     .000000     .000000     .000000     .000000
0.75000   41.517719     .000000     .000000     .000000     .000000     .000000
1.00000   41.517719     .000000     .000000     .000000     .000000     .000000

ELEM     492 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   80.252434     .000000     .000000     .000000     .000000     .000000
0.25000   80.252434     .000000     .000000     .000000     .000000     .000000
0.50000   80.252434     .000000     .000000     .000000     .000000     .000000
0.75000   80.252434     .000000     .000000     .000000     .000000     .000000
1.00000   80.252434     .000000     .000000     .000000     .000000     .000000

ELEM     493 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  103.119963     .000000     .000000     .000000     .000000     .000000
0.25000  103.119963     .000000     .000000     .000000     .000000     .000000
0.50000  103.119963     .000000     .000000     .000000     .000000     .000000
0.75000  103.119963     .000000     .000000     .000000     .000000     .000000
1.00000  103.119963     .000000     .000000     .000000     .000000     .000000

ELEM     494 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   63.897927     .000000     .000000     .000000     .000000     .000000
0.25000   63.897927     .000000     .000000     .000000     .000000     .000000
0.50000   63.897927     .000000     .000000     .000000     .000000     .000000
0.75000   63.897927     .000000     .000000     .000000     .000000     .000000
1.00000   63.897927     .000000     .000000     .000000     .000000     .000000

ELEM     495 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  147.890527     .000000     .000000     .000000     .000000     .000000
0.25000  147.890527     .000000     .000000     .000000     .000000     .000000
0.50000  147.890527     .000000     .000000     .000000     .000000     .000000
0.75000  147.890527     .000000     .000000     .000000     .000000     .000000
1.00000  147.890527     .000000     .000000     .000000     .000000     .000000

ELEM     496 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   40.745496     .000000     .000000     .000000     .000000     .000000
0.25000   40.745496     .000000     .000000     .000000     .000000     .000000
0.50000   40.745496     .000000     .000000     .000000     .000000     .000000
0.75000   40.745496     .000000     .000000     .000000     .000000     .000000
1.00000   40.745496     .000000     .000000     .000000     .000000     .000000

ELEM     497 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	195.541915	.000000	.000000	.000000	.000000	.000000
0.25000	195.541915	.000000	.000000	.000000	.000000	.000000
0.50000	195.541915	.000000	.000000	.000000	.000000	.000000
0.75000	195.541915	.000000	.000000	.000000	.000000	.000000
1.00000	195.541915	.000000	.000000	.000000	.000000	.000000

ELEM 498 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	11.523453	.000000	.000000	.000000	.000000	.000000
0.25000	11.523453	.000000	.000000	.000000	.000000	.000000
0.50000	11.523453	.000000	.000000	.000000	.000000	.000000
0.75000	11.523453	.000000	.000000	.000000	.000000	.000000
1.00000	11.523453	.000000	.000000	.000000	.000000	.000000

ELEM 499 ========== LENGTH = 86.533231

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	4168.639	.000000	.000000	.000000	.000000	.000000
0.50000	4168.639	.000000	.000000	.000000	.000000	.000000
1.00000	4168.639	.000000	.000000	.000000	.000000	.000000

ELEM 500 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1176.056	.000000	.000000	.000000	.000000	.000000
0.25000	1176.056	.000000	.000000	.000000	.000000	.000000
0.50000	1176.056	.000000	.000000	.000000	.000000	.000000
0.75000	1176.056	.000000	.000000	.000000	.000000	.000000
1.00000	1176.056	.000000	.000000	.000000	.000000	.000000

ELEM 501 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1176.056	.000000	.000000	.000000	.000000	.000000
0.25000	1176.056	.000000	.000000	.000000	.000000	.000000
0.50000	1176.056	.000000	.000000	.000000	.000000	.000000
0.75000	1176.056	.000000	.000000	.000000	.000000	.000000
1.00000	1176.056	.000000	.000000	.000000	.000000	.000000

ELEM 502 ========== LENGTH = 95.671312

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1303.826	.000000	.000000	.000000	.000000	.000000
0.50000	1303.826	.000000	.000000	.000000	.000000	.000000
1.00000	1303.826	.000000	.000000	.000000	.000000	.000000

ELEM 503 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	616.929562	.000000	.000000	.000000	.000000	.000000
0.25000	616.929562	.000000	.000000	.000000	.000000	.000000
0.50000	616.929562	.000000	.000000	.000000	.000000	.000000
0.75000	616.929562	.000000	.000000	.000000	.000000	.000000
1.00000	616.929562	.000000	.000000	.000000	.000000	.000000

ELEM 504 ========== LENGTH = 60.500000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	3783.812	1.288919	.000000	.000000	.000000	2.35E-13
0.50000	3783.812	1.288919	.000000	.000000	.000000	38.989809
1.00000	3783.812	1.288919	.000000	.000000	.000000	77.979619

ELEM 505 ========== LENGTH = 62.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	3783.623	6.825863	.000000	.000000	.000000	77.979619
0.50000	3783.623	6.825863	.000000	.000000	.000000	136.395788
1.00000	3783.623	6.825863	.000000	.000000	.000000	347.386549

ELEM 506 ========== LENGTH = 39.750000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	3783.284	20.884286	.000000	.000000	.000000	347.386549
0.50000	3783.284	20.884286	.000000	.000000	.000000	162.699775
1.00000	3783.284	20.884286	.000000	.000000	.000000	526.155726

ELEM 507 ========== LENGTH = 8.500000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	3776.918	17.154806	.000000	.000000	.000000	526.155726
0.50000	3776.918	17.154806	.000000	.000000	.000000	477.456087
1.00000	3776.918	17.154806	.000000	.000000	.000000	435.568493

ELEM 508 ========== LENGTH = 48.250000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	3770.966	19.207203	.000000	.000000	.000000	435.568493
0.50000	3770.966	19.207203	.000000	.000000	.000000	87.874423
1.00000	3770.966	19.207203	.000000	.000000	.000000	505.128124

ELEM 509 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	3761.296	38.342280	.000000	.000000	.000000	505.128124
0.50000	3761.296	38.342280	.000000	.000000	.000000	327.958611
1.00000	3761.296	38.342280	.000000	.000000	.000000	619.158176

ELEM 510 ========== LENGTH = 24.000000

```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3740.174   51.543803     .000000     .000000     .000000  619.158176
0.50000    3740.174   51.543803     .000000     .000000     .000000  270.128834
1.00000    3740.174   51.543803     .000000     .000000     .000000  726.450448

ELEM     511 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3728.656   24.679893     .000000     .000000     .000000  726.450448
0.50000    3728.656   24.679893     .000000     .000000     .000000  216.954524
1.00000    3728.656   24.679893     .000000     .000000     .000000  517.772300

ELEM     512 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3715.227   37.180102     .000000     .000000     .000000  517.772300
0.50000    3715.227   37.180102     .000000     .000000     .000000  504.746827
1.00000    3715.227   37.180102     .000000     .000000     .000000  799.731350

ELEM     513 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3686.440   73.581454     .000000     .000000     .000000  799.731350
0.50000    3686.440   73.581454     .000000     .000000     .000000  438.787779
1.00000    3686.440   73.581454     .000000     .000000     .000000    1142.277

ELEM     514 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3671.430   39.186372     .000000     .000000     .000000    1142.277
0.50000    3671.430   39.186372     .000000     .000000     .000000  255.690813
1.00000    3671.430   39.186372     .000000     .000000     .000000  771.321401

ELEM     515 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3654.713   23.856325     .000000     .000000     .000000  771.321401
0.50000    3654.713   23.856325     .000000     .000000     .000000  738.971221
1.00000    3654.713   23.856325     .000000     .000000     .000000  813.097787

ELEM     516 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3618.227   96.308265     .000000     .000000     .000000  813.097787
0.50000    3618.227   96.308265     .000000     .000000     .000000  462.935889
1.00000    3618.227   96.308265     .000000     .000000     .000000    1561.657

ELEM     517 ================== LENGTH =   48.000000
```

```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3600.299   53.346065     .000000     .000000     .000000    1561.657
0.50000    3600.299   53.346065     .000000     .000000     .000000  282.826732
1.00000    3600.299   53.346065     .000000     .000000     .000000  999.787053

ELEM     519 ================== LENGTH =    9.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1374.170   22.687598     .000000     .000000     .000000  196.839878
0.50000    1374.170   22.687598     .000000     .000000     .000000   90.900495
1.00000    1374.170   22.687598     .000000     .000000     .000000   26.501120

ELEM     520 ================== LENGTH =    5.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1357.841   97.801782     .000000     .000000     .000000   26.501120
0.50000    1357.841   97.801782     .000000     .000000     .000000  270.975394
1.00000    1357.841   97.801782     .000000     .000000     .000000  542.340493

ELEM     521 ================== LENGTH =   63.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  948.546790   16.164665     .000000     .000000     .000000  542.340493
0.50000  948.546790   16.164665     .000000     .000000     .000000   33.153782
1.00000  948.546790   16.164665     .000000     .000000     .000000  476.033437

ELEM     522 ================== LENGTH =   21.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  261.889767   22.668259     .000000     .000000     .000000  476.033437
0.50000  261.889767   22.668259     .000000     .000000     .000000  238.016718
1.00000  261.889767   22.668259     .000000     .000000     .000000    1.30E-11

ELEM     523 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3312.164   22.615279     .000000     .000000     .000000    1172.851
0.50000    3312.164   22.615279     .000000     .000000     .000000  903.281635
1.00000    3312.164   22.615279     .000000     .000000     .000000  635.259023

ELEM     524 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3310.920   28.962055     .000000     .000000     .000000  635.259023
0.50000    3310.920   28.962055     .000000     .000000     .000000  294.189123
1.00000    3310.920   28.962055     .000000     .000000     .000000  105.427874

ELEM     525 ================== LENGTH =   24.000000
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SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  594.997736   15.219693     .000000     .000000     .000000   1082.274
0.50000  594.997736   15.219693     .000000     .000000     .000000  902.242065
1.00000  594.997736   15.219693     .000000     .000000     .000000  723.516089

ELEM     526 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  591.161572   27.077274     .000000     .000000     .000000  723.516089
0.50000  591.161572   27.077274     .000000     .000000     .000000  402.239979
1.00000  591.161572   27.077274     .000000     .000000     .000000  106.178874

ELEM     527 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  389.619725   22.453408     .000000     .000000     .000000  703.965663
0.50000  389.619725   22.453408     .000000     .000000     .000000  961.198396
1.00000  389.619725   22.453408     .000000     .000000     .000000    1223.697

ELEM     528 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  370.600967   54.922485     .000000     .000000     .000000    1223.697
0.50000  370.600967   54.922485     .000000     .000000     .000000  567.183265
1.00000  370.600967   54.922485     .000000     .000000     .000000  121.267916

ELEM     529 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   61.454799    4.829831     .000000     .000000     .000000  928.214183
0.50000   61.454799    4.829831     .000000     .000000     .000000  966.056776
1.00000   61.454799    4.829831     .000000     .000000     .000000    1005.817

ELEM     530 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   59.952414   41.423154     .000000     .000000     .000000    1005.817
0.50000   59.952414   41.423154     .000000     .000000     .000000  510.781562
1.00000   59.952414   41.423154     .000000     .000000     .000000   65.576787

ELEM     531 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  373.822804   19.826026     .000000     .000000     .000000    1265.863
0.50000  373.822804   19.826026     .000000     .000000     .000000    1028.956
1.00000  373.822804   19.826026     .000000     .000000     .000000  792.650450

ELEM     532 ================== LENGTH =   24.000000
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SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  370.984898   32.151209     .000000     .000000     .000000  792.650450
0.50000  370.984898   32.151209     .000000     .000000     .000000  409.514716
1.00000  370.984898   32.151209     .000000     .000000     .000000   69.394150

ELEM     533 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2148.977   26.022846     .000000     .000000     .000000    1431.210
0.50000    2148.977   26.022846     .000000     .000000     .000000    1119.657
1.00000    2148.977   26.022846     .000000     .000000     .000000  808.660711

ELEM     534 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2147.579   38.402850     .000000     .000000     .000000  808.660711
0.50000    2147.579   38.402850     .000000     .000000     .000000  351.448468
1.00000    2147.579   38.402850     .000000     .000000     .000000  133.552358

ELEM     535 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1354.528   26.600796     .000000     .000000     .000000    1475.657
0.50000    1354.528   26.600796     .000000     .000000     .000000    1157.844
1.00000    1354.528   26.600796     .000000     .000000     .000000  841.090166

ELEM     536 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1355.164   39.068564     .000000     .000000     .000000  841.090166
0.50000    1355.164   39.068564     .000000     .000000     .000000  378.651023
1.00000    1355.164   39.068564     .000000     .000000     .000000  137.514032

ELEM     537 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1323.805   25.984071     .000000     .000000     .000000    1434.275
0.50000    1323.805   25.984071     .000000     .000000     .000000    1125.231
1.00000    1323.805   25.984071     .000000     .000000     .000000  818.286957

ELEM     538 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1322.154   38.431276     .000000     .000000     .000000  818.286957
0.50000    1322.154   38.431276     .000000     .000000     .000000  368.641062
1.00000    1322.154   38.431276     .000000     .000000     .000000  166.024881

ELEM     539 ================== LENGTH =   24.000000
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SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  306.471616   22.835914     .000000     .000000     .000000    1353.493
0.50000  306.471616   22.835914     .000000     .000000     .000000    1084.347
1.00000  306.471616   22.835914     .000000     .000000     .000000  818.448208

ELEM     540 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  303.824527   35.276088     .000000     .000000     .000000  818.448208
0.50000  303.824527   35.276088     .000000     .000000     .000000  410.374386
1.00000  303.824527   35.276088     .000000     .000000     .000000  159.200181

ELEM     541 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  200.193596   12.281892     .000000     .000000     .000000    1077.185
0.50000  200.193596   12.281892     .000000     .000000     .000000  940.916468
1.00000  200.193596   12.281892     .000000     .000000     .000000  808.556923

ELEM     542 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  198.660014   24.257116     .000000     .000000     .000000  808.556923
0.50000  198.660014   24.257116     .000000     .000000     .000000  530.999168
1.00000  198.660014   24.257116     .000000     .000000     .000000  282.165446

ELEM     543 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  143.201099    6.137193     .000000     .000000     .000000  884.089780
0.50000  143.201099    6.137193     .000000     .000000     .000000  837.905805
1.00000  143.201099    6.137193     .000000     .000000     .000000  795.867512

ELEM     544 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  142.157267   16.810536     .000000     .000000     .000000  795.867512
0.50000  142.157267   16.810536     .000000     .000000     .000000  607.143642
1.00000  142.157267   16.810536     .000000     .000000     .000000  430.382170

ELEM     545 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  196.647808    4.649257     .000000     .000000     .000000  765.758385
0.50000  196.647808    4.649257     .000000     .000000     .000000  770.119845
1.00000  196.647808    4.649257     .000000     .000000     .000000  778.465502

ELEM     546 ================== LENGTH =   24.000000
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SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  195.223399   12.640060     .000000     .000000     .000000  778.465502
0.50000  195.223399   12.640060     .000000     .000000     .000000  639.820710
1.00000  195.223399   12.640060     .000000     .000000     .000000  508.671435

ELEM     547 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  376.374373    4.546281     .000000     .000000     .000000  735.000621
0.50000  376.374373    4.546281     .000000     .000000     .000000  745.821038
1.00000  376.374373    4.546281     .000000     .000000     .000000  760.410880

ELEM     548 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  373.202613   12.066730     .000000     .000000     .000000  760.410880
0.50000  373.202613   12.066730     .000000     .000000     .000000  629.082126
1.00000  373.202613   12.066730     .000000     .000000     .000000  505.171709

ELEM     549 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1254.257    8.531259     .000000     .000000     .000000  911.819416
0.50000    1254.257    8.531259     .000000     .000000     .000000  822.896996
1.00000    1254.257    8.531259     .000000     .000000     .000000  737.472447

ELEM     550 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1249.452   20.129837     .000000     .000000     .000000  737.472447
0.50000    1249.452   20.129837     .000000     .000000     .000000  509.233055
1.00000    1249.452   20.129837     .000000     .000000     .000000  302.442690

ELEM     551 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3580.896   13.055396     .000000     .000000     .000000  999.787053
0.50000    3580.896   13.055396     .000000     .000000     .000000  852.074334
1.00000    3580.896   13.055396     .000000     .000000     .000000  708.219514

ELEM     552 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3576.778   24.879678     .000000     .000000     .000000  708.219514
0.50000    3576.778   24.879678     .000000     .000000     .000000  425.469905
1.00000    3576.778   24.879678     .000000     .000000     .000000  196.839878
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                    S A P 2 0 0 0

                Structural Analysis Programs

                       Version 7.40

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   C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES

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                    results produced by this program

                     5 Apr 2005  19:41:50


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                             PROGRAM:SAP2000/FILE:\BentCDLnotrianglarload.EKO


 S Y S T E M   D A T A


 STEADY STATE LOAD FREQUENCY  - - - - - - - -  0.0000E+00

 LENGTH UNITS - - - - - - - - - - - - - - - -          IN
 FORCE  UNITS - - - - - - - - - - - - - - - -          LB

 UP DIRECTION - - - - - - - - - - - - - - - -          +Z

 GLOBAL DEGREES OF FREEDOM  - - - - - - - - -          UX
                            - - - - - - - - -          UZ
                            - - - - - - - - -          RY

 PAGINATION BY  - - - - - - - - - - - - - - -    SECTIONS
 NUMBER OF LINES PER PAGE - - - - - - - - - -          59
 INCLUDE WARNING MESSAGES IN OUTPUT FILE  - -           Y
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G E N E R A T E D J O I N T C O O R D I N A T E S

JOINT	X	Y	Z
D1	0.000	120.000	144.000
D2	72.000	120.000	144.000
D3	144.000	120.000	144.000
D4	216.000	120.000	144.000
D5	288.000	120.000	144.000
D6	360.000	120.000	144.000
D7	432.000	120.000	144.000
D8	504.000	120.000	144.000
D9	576.000	120.000	144.000
F1	0.000	120.000	219.000
F2	72.000	120.000	219.000
F3	144.000	120.000	219.000
F4	216.000	120.000	219.000
F5	288.000	120.000	219.000
F6	360.000	120.000	219.000
F7	432.000	120.000	219.000
F8	504.000	120.000	219.000
F9	576.000	120.000	219.000
G1	0.000	120.000	267.000
G2	72.000	120.000	267.000
G3	144.000	120.000	267.000
G4	216.000	120.000	267.000
G5	288.000	120.000	267.000
G6	360.000	120.000	267.000
G7	432.000	120.000	267.000
G8	504.000	120.000	267.000
G9	576.000	120.000	267.000
H1	0.000	120.000	315.000
H2	72.000	120.000	315.000
H3	144.000	120.000	315.000
H4	216.000	120.000	315.000
H5	288.000	120.000	315.000
H6	360.000	120.000	315.000
H7	432.000	120.000	315.000
H8	504.000	120.000	315.000
H9	576.000	120.000	315.000
I1	0.000	120.000	363.000
I2	72.000	120.000	363.000
I3	144.000	120.000	363.000
I4	216.000	120.000	363.000
I5	288.000	120.000	363.000
I6	360.000	120.000	363.000
I7	432.000	120.000	363.000
I8	504.000	120.000	363.000
I9	576.000	120.000	363.000
J1	0.000	120.000	411.000
J2	72.000	120.000	411.000
J3	144.000	120.000	411.000
J4	216.000	120.000	411.000
J5	288.000	120.000	411.000
J6	360.000	120.000	411.000
J7	432.000	120.000	411.000
J8	504.000	120.000	411.000
J9	576.000	120.000	411.000
K1	0.000	120.000	459.000
K2	72.000	120.000	459.000

K3	144.000	120.000	459.000
K4	216.000	120.000	459.000
K5	288.000	120.000	459.000
K6	360.000	120.000	459.000
K7	432.000	120.000	459.000
K8	504.000	120.000	459.000
K9	576.000	120.000	459.000
L1	0.000	120.000	507.000
L2	72.000	120.000	507.000
L3	144.000	120.000	507.000
L4	216.000	120.000	507.000
L5	288.000	120.000	507.000
L6	360.000	120.000	507.000
L7	432.000	120.000	507.000
L8	504.000	120.000	507.000
L9	576.000	120.000	507.000
M1	0.000	120.000	555.000
M2	72.000	120.000	555.000
M3	144.000	120.000	555.000
M4	216.000	120.000	555.000
M5	288.000	120.000	555.000
M6	360.000	120.000	555.000
M7	432.000	120.000	555.000
M8	504.000	120.000	555.000
M9	576.000	120.000	555.000
N1	0.000	120.000	570.000
N2	72.000	120.000	570.000
N3	144.000	120.000	570.000
N4	216.000	120.000	570.000
N5	288.000	120.000	570.000
N6	360.000	120.000	570.000
N7	432.000	120.000	570.000
N8	504.000	120.000	570.000
N9	576.000	120.000	570.000
O1	0.000	120.000	633.000
O7	432.000	120.000	633.000
O9	576.000	120.000	633.000
P1	0.000	120.000	654.000
P2	72.000	120.000	654.000
P3	144.000	120.000	654.000
P4	216.000	120.000	654.000
P5	288.000	120.000	654.000
P6	360.000	120.000	654.000
P7	432.000	120.000	654.000
P8	504.000	120.000	654.000
P9	576.000	120.000	654.000
D10	648.000	120.000	144.000
D11	720.000	120.000	144.000
D12	792.000	120.000	144.000
D13	864.000	120.000	144.000
D14	936.000	120.000	144.000
D15	1008.000	120.000	144.000
F10	648.000	120.000	219.000
F11	720.000	120.000	219.000
F12	792.000	120.000	219.000
F13	864.000	120.000	219.000
F14	936.000	120.000	219.000
F15	1008.000	120.000	219.000
G10	648.000	120.000	267.000
G11	720.000	120.000	267.000
G12	792.000	120.000	267.000
G13	864.000	120.000	267.000
G14	936.000	120.000	267.000

G15	1008.000	120.000	267.000
H10	648.000	120.000	315.000
H11	720.000	120.000	315.000
H12	792.000	120.000	315.000
H13	864.000	120.000	315.000
H14	936.000	120.000	315.000
H15	1008.000	120.000	315.000
I10	648.000	120.000	363.000
I11	720.000	120.000	363.000
I12	792.000	120.000	363.000
I13	864.000	120.000	363.000
I14	936.000	120.000	363.000
I15	1008.000	120.000	363.000
J10	648.000	120.000	411.000
J11	720.000	120.000	411.000
J12	792.000	120.000	411.000
J13	864.000	120.000	411.000
J14	936.000	120.000	411.000
J15	1008.000	120.000	411.000
K10	648.000	120.000	459.000
K11	720.000	120.000	459.000
K12	792.000	120.000	459.000
K13	864.000	120.000	459.000
K14	936.000	120.000	459.000
K15	1008.000	120.000	459.000
L10	648.000	120.000	507.000
L11	720.000	120.000	507.000
L12	792.000	120.000	507.000
L13	864.000	120.000	507.000
L14	936.000	120.000	507.000
L15	1008.000	120.000	507.000
M10	648.000	120.000	555.000
M11	720.000	120.000	555.000
M12	792.000	120.000	555.000
M13	864.000	120.000	555.000
M14	936.000	120.000	555.000
M15	1008.000	120.000	555.000
N10	648.000	120.000	570.000
N11	720.000	120.000	570.000
N12	792.000	120.000	570.000
N13	864.000	120.000	570.000
N14	936.000	120.000	570.000
N15	1008.000	120.000	570.000
O15	1008.000	120.000	633.000
P10	648.000	120.000	654.000
P11	720.000	120.000	654.000
P12	792.000	120.000	654.000
P13	864.000	120.000	654.000
P14	936.000	120.000	654.000
P15	1008.000	120.000	654.000
1FIL1	0.000	120.000	162.250
1FIL2	72.000	120.000	162.250
1FIL3	144.000	120.000	162.250
1FIL4	216.000	120.000	162.250
1FIL5	288.000	120.000	162.250
1FIL6	360.000	120.000	162.250
1FIL7	432.000	120.000	162.250
1FIL8	504.000	120.000	162.250
1FIL9	576.000	120.000	162.250
2FIL1	0.000	120.000	243.000
2FIL2	72.000	120.000	243.000
2FIL3	144.000	120.000	243.000
2FIL4	216.000	120.000	243.000

2FIL5	288.000	120.000	243.000
2FIL6	360.000	120.000	243.000
2FIL7	432.000	120.000	243.000
2FIL8	504.000	120.000	243.000
2FIL9	576.000	120.000	243.000
3FIL1	0.000	120.000	339.000
3FIL2	72.000	120.000	339.000
3FIL3	144.000	120.000	339.000
3FIL4	216.000	120.000	339.000
3FIL5	288.000	120.000	339.000
3FIL6	360.000	120.000	339.000
3FIL7	432.000	120.000	339.000
3FIL8	504.000	120.000	339.000
3FIL9	576.000	120.000	339.000
4FIL1	0.000	120.000	435.000
4FIL2	72.000	120.000	435.000
4FIL3	144.000	120.000	435.000
4FIL4	216.000	120.000	435.000
4FIL5	288.000	120.000	435.000
4FIL6	360.000	120.000	435.000
4FIL7	432.000	120.000	435.000
4FIL8	504.000	120.000	435.000
4FIL9	576.000	120.000	435.000
5FIL1	0.000	120.000	565.437
5FIL2	72.000	120.000	565.437
5FIL3	144.000	120.000	565.437
5FIL4	216.000	120.000	565.437
5FIL5	288.000	120.000	565.437
5FIL6	360.000	120.000	565.437
5FIL7	432.000	120.000	565.437
5FIL8	504.000	120.000	565.437
5FIL9	576.000	120.000	565.437
1FIL10	648.000	120.000	162.250
1FIL11	720.000	120.000	162.250
1FIL12	792.000	120.000	162.250
1FIL13	864.000	120.000	162.250
1FIL14	936.000	120.000	162.250
1FIL15	1008.000	120.000	162.250
2FIL10	648.000	120.000	243.000
2FIL11	720.000	120.000	243.000
2FIL12	792.000	120.000	243.000
2FIL13	864.000	120.000	243.000
2FIL14	936.000	120.000	243.000
2FIL15	1008.000	120.000	243.000
3FIL10	648.000	120.000	339.000
3FIL11	720.000	120.000	339.000
3FIL12	792.000	120.000	339.000
3FIL13	864.000	120.000	339.000
3FIL14	936.000	120.000	339.000
3FIL15	1008.000	120.000	339.000
4FIL10	648.000	120.000	435.000
4FIL11	720.000	120.000	435.000
4FIL12	792.000	120.000	435.000
4FIL13	864.000	120.000	435.000
4FIL14	936.000	120.000	435.000
4FIL15	1008.000	120.000	435.000
5FIL10	648.000	120.000	565.437
5FIL11	720.000	120.000	565.437
5FIL12	792.000	120.000	565.437
5FIL13	864.000	120.000	565.437
5FIL14	936.000	120.000	565.437
5FIL15	1008.000	120.000	565.437

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 3
PROGRAM:SAP2000/FILE:\BentCDLnotrianglarload.EKO

P A T T E R N S

PATTERN	JOINT	VALUE
DEFAULT		

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PROGRAM:SAP2000/FILE:\BentCDLnotrianglarload.EKO

R E S T R A I N T D A T A

JOINT			
D1	U1	U2	U3
D2	U1	U2	U3
D3	U1	U2	U3
D4	U1	U2	U3
D5	U1	U2	U3
D6	U1	U2	U3
D7	U1	U2	U3
D8	U1	U2	U3
D9	U1	U2	U3
D10	U1	U2	U3
D11	U1	U2	U3
D12	U1	U2	U3
D13	U1	U2	U3
D14	U1	U2	U3
D15	U1	U2	U3

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 5
PROGRAM:SAP2000/FILE:\BentCDLnotrianglarload.EKO

C O N S T R A I N T D A T A

CONSTR	TYPE	CSYS	AXIS	DEGREES OF FREEDOM
NM1	EQUAL	0		UX
NM2	EQUAL	0		UX
NM3	EQUAL	0		UX
NM4	EQUAL	0		UX
NM5	EQUAL	0		UX
NM6	EQUAL	0		UX
NM7	EQUAL	0		UX
NM8	EQUAL	0		UX
NM9	EQUAL	0		UX
PO1	EQUAL	0		UX
PO7	EQUAL	0		UX
PO9	EQUAL	0		UX
NM10	EQUAL	0		UX
NM11	EQUAL	0		UX
NM12	EQUAL	0		UX
NM13	EQUAL	0		UX
NM14	EQUAL	0		UX
NM15	EQUAL	0		UX
PO15	EQUAL	0		UX

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C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE    6
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 C O N S T R A I N T   D A T A

  CONSTR
         JOINTS
     NM1
              M1      N1   5FIL1
     NM2
              M2      N2   5FIL2
     NM3
              M3      N3   5FIL3
     NM4
              M4      N4   5FIL4
     NM5
              M5      N5   5FIL5
     NM6
              M6      N6   5FIL6
     NM7
              M7      N7   5FIL7
     NM8
              M8      N8   5FIL8
     NM9
              M9      N9   5FIL9
     PO1
              O1      P1
     PO7
              O7      P7
     PO9
              O9      P9
    NM10
             M10     N10  5FIL10
    NM11
             M11     N11  5FIL11
    NM12
             M12     N12  5FIL12
    NM13
             M13     N13  5FIL13
    NM14
             M14     N14  5FIL14
    NM15
             M15     N15  5FIL15
    PO15
             O15     P15


C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE    7
                              PROGRAM:SAP2000/FILE:\BentCDLnotrianglarload.EKO


 J O I N T   M A S S E S

   JOINT         U1         U2         U3         R1         R2         R3
      D1  0.268E+00  0.268E+00  0.268E+00  0.000E+00  0.000E+00  0.000E+00
      D2  0.293E+00  0.293E+00  0.293E+00  0.000E+00  0.000E+00  0.000E+00
      D3  0.293E+00  0.293E+00  0.293E+00  0.000E+00  0.000E+00  0.000E+00
      D4  0.293E+00  0.293E+00  0.293E+00  0.000E+00  0.000E+00  0.000E+00
      D5  0.293E+00  0.293E+00  0.293E+00  0.000E+00  0.000E+00  0.000E+00
      D6  0.293E+00  0.293E+00  0.293E+00  0.000E+00  0.000E+00  0.000E+00
      D7  0.293E+00  0.293E+00  0.293E+00  0.000E+00  0.000E+00  0.000E+00
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D8	0.579E+00	0.579E+00	0.579E+00	0.000E+00	0.000E+00	0.000E+00
D9	0.293E+00	0.293E+00	0.293E+00	0.000E+00	0.000E+00	0.000E+00
F1	0.439E+00	0.439E+00	0.439E+00	0.000E+00	0.000E+00	0.000E+00
F2	0.480E+00	0.480E+00	0.480E+00	0.000E+00	0.000E+00	0.000E+00
F3	0.480E+00	0.480E+00	0.480E+00	0.000E+00	0.000E+00	0.000E+00
F4	0.480E+00	0.480E+00	0.480E+00	0.000E+00	0.000E+00	0.000E+00
F5	0.480E+00	0.480E+00	0.480E+00	0.000E+00	0.000E+00	0.000E+00
F6	0.480E+00	0.480E+00	0.480E+00	0.000E+00	0.000E+00	0.000E+00
F7	0.480E+00	0.480E+00	0.480E+00	0.000E+00	0.000E+00	0.000E+00
F8	0.950E+00	0.950E+00	0.950E+00	0.000E+00	0.000E+00	0.000E+00
F9	0.480E+00	0.480E+00	0.480E+00	0.000E+00	0.000E+00	0.000E+00
G1	0.343E+00	0.343E+00	0.343E+00	0.000E+00	0.000E+00	0.000E+00
G2	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
G3	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
G4	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
G5	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
G6	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
G7	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
G8	0.741E+00	0.741E+00	0.741E+00	0.000E+00	0.000E+00	0.000E+00
G9	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
H1	0.964E+00	0.964E+00	0.964E+00	0.000E+00	0.000E+00	0.000E+00
H2	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
H3	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
H4	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
H5	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
H6	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
H7	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
H8	0.741E+00	0.741E+00	0.741E+00	0.000E+00	0.000E+00	0.000E+00
H9	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
I1	0.424E+00	0.424E+00	0.424E+00	0.000E+00	0.000E+00	0.000E+00
I2	0.398E+00	0.398E+00	0.398E+00	0.000E+00	0.000E+00	0.000E+00
I3	0.398E+00	0.398E+00	0.398E+00	0.000E+00	0.000E+00	0.000E+00
I4	0.398E+00	0.398E+00	0.398E+00	0.000E+00	0.000E+00	0.000E+00
I5	0.398E+00	0.398E+00	0.398E+00	0.000E+00	0.000E+00	0.000E+00
I6	0.398E+00	0.398E+00	0.398E+00	0.000E+00	0.000E+00	0.000E+00
I7	0.398E+00	0.398E+00	0.398E+00	0.000E+00	0.000E+00	0.000E+00
I8	0.901E+00	0.901E+00	0.901E+00	0.000E+00	0.000E+00	0.000E+00
I9	0.398E+00	0.398E+00	0.398E+00	0.000E+00	0.000E+00	0.000E+00
J1	0.113E+01	0.113E+01	0.113E+01	0.000E+00	0.000E+00	0.000E+00
J2	0.427E+00	0.427E+00	0.427E+00	0.000E+00	0.000E+00	0.000E+00
J3	0.427E+00	0.427E+00	0.427E+00	0.000E+00	0.000E+00	0.000E+00
J4	0.427E+00	0.427E+00	0.427E+00	0.000E+00	0.000E+00	0.000E+00
J5	0.427E+00	0.427E+00	0.427E+00	0.000E+00	0.000E+00	0.000E+00
J6	0.427E+00	0.427E+00	0.427E+00	0.000E+00	0.000E+00	0.000E+00
J7	0.427E+00	0.427E+00	0.427E+00	0.000E+00	0.000E+00	0.000E+00
J8	0.107E+01	0.107E+01	0.107E+01	0.000E+00	0.000E+00	0.000E+00
J9	0.427E+00	0.427E+00	0.427E+00	0.000E+00	0.000E+00	0.000E+00
K1	0.583E+00	0.583E+00	0.583E+00	0.000E+00	0.000E+00	0.000E+00
K2	0.442E+00	0.442E+00	0.442E+00	0.000E+00	0.000E+00	0.000E+00
K3	0.442E+00	0.442E+00	0.442E+00	0.000E+00	0.000E+00	0.000E+00
K4	0.442E+00	0.442E+00	0.442E+00	0.000E+00	0.000E+00	0.000E+00
K5	0.442E+00	0.442E+00	0.442E+00	0.000E+00	0.000E+00	0.000E+00
K6	0.442E+00	0.442E+00	0.442E+00	0.000E+00	0.000E+00	0.000E+00
K7	0.442E+00	0.442E+00	0.442E+00	0.000E+00	0.000E+00	0.000E+00
K8	0.122E+01	0.122E+01	0.122E+01	0.000E+00	0.000E+00	0.000E+00
K9	0.442E+00	0.442E+00	0.442E+00	0.000E+00	0.000E+00	0.000E+00
L1	0.128E+01	0.128E+01	0.128E+01	0.000E+00	0.000E+00	0.000E+00
L2	0.455E+00	0.455E+00	0.455E+00	0.000E+00	0.000E+00	0.000E+00
L3	0.455E+00	0.455E+00	0.455E+00	0.000E+00	0.000E+00	0.000E+00
L4	0.455E+00	0.455E+00	0.455E+00	0.000E+00	0.000E+00	0.000E+00
L5	0.455E+00	0.455E+00	0.455E+00	0.000E+00	0.000E+00	0.000E+00
L6	0.455E+00	0.455E+00	0.455E+00	0.000E+00	0.000E+00	0.000E+00
L7	0.455E+00	0.455E+00	0.455E+00	0.000E+00	0.000E+00	0.000E+00

L8	0.137E+01	0.137E+01	0.137E+01	0.000E+00	0.000E+00	0.000E+00
L9	0.455E+00	0.455E+00	0.455E+00	0.000E+00	0.000E+00	0.000E+00
M1	0.103E+01	0.103E+01	0.103E+01	0.000E+00	0.000E+00	0.000E+00
M2	0.337E+00	0.337E+00	0.337E+00	0.000E+00	0.000E+00	0.000E+00
M3	0.337E+00	0.337E+00	0.337E+00	0.000E+00	0.000E+00	0.000E+00
M4	0.337E+00	0.337E+00	0.337E+00	0.000E+00	0.000E+00	0.000E+00
M5	0.337E+00	0.337E+00	0.337E+00	0.000E+00	0.000E+00	0.000E+00
M6	0.337E+00	0.337E+00	0.337E+00	0.000E+00	0.000E+00	0.000E+00
M7	0.337E+00	0.337E+00	0.337E+00	0.000E+00	0.000E+00	0.000E+00
M8	0.102E+01	0.102E+01	0.102E+01	0.000E+00	0.000E+00	0.000E+00
M9	0.337E+00	0.337E+00	0.337E+00	0.000E+00	0.000E+00	0.000E+00
N1	0.884E+01	0.884E+01	0.884E+01	0.000E+00	0.000E+00	0.000E+00
N2	0.167E+02	0.167E+02	0.167E+02	0.000E+00	0.000E+00	0.000E+00
N3	0.195E+02	0.195E+02	0.195E+02	0.000E+00	0.000E+00	0.000E+00
N4	0.183E+02	0.183E+02	0.183E+02	0.000E+00	0.000E+00	0.000E+00
N5	0.177E+02	0.177E+02	0.177E+02	0.000E+00	0.000E+00	0.000E+00
N6	0.179E+02	0.179E+02	0.179E+02	0.000E+00	0.000E+00	0.000E+00
N7	0.166E+02	0.166E+02	0.166E+02	0.000E+00	0.000E+00	0.000E+00
N8	0.167E+02	0.167E+02	0.167E+02	0.000E+00	0.000E+00	0.000E+00
N9	0.166E+02	0.166E+02	0.166E+02	0.000E+00	0.000E+00	0.000E+00
O1	0.164E+00	0.164E+00	0.164E+00	0.000E+00	0.000E+00	0.000E+00
O7	0.328E+00	0.328E+00	0.328E+00	0.000E+00	0.000E+00	0.000E+00
O9	0.328E+00	0.328E+00	0.328E+00	0.000E+00	0.000E+00	0.000E+00
P1	0.544E+01	0.544E+01	0.544E+01	0.000E+00	0.000E+00	0.000E+00
P2	0.958E+01	0.958E+01	0.958E+01	0.000E+00	0.000E+00	0.000E+00
P3	0.958E+01	0.958E+01	0.958E+01	0.000E+00	0.000E+00	0.000E+00
P4	0.107E+02	0.107E+02	0.107E+02	0.000E+00	0.000E+00	0.000E+00
P5	0.107E+02	0.107E+02	0.107E+02	0.000E+00	0.000E+00	0.000E+00
P6	0.958E+01	0.958E+01	0.958E+01	0.000E+00	0.000E+00	0.000E+00
P7	0.934E+01	0.934E+01	0.934E+01	0.000E+00	0.000E+00	0.000E+00
P8	0.958E+01	0.958E+01	0.958E+01	0.000E+00	0.000E+00	0.000E+00
P9	0.934E+01	0.934E+01	0.934E+01	0.000E+00	0.000E+00	0.000E+00
D10	0.293E+00	0.293E+00	0.293E+00	0.000E+00	0.000E+00	0.000E+00
D11	0.293E+00	0.293E+00	0.293E+00	0.000E+00	0.000E+00	0.000E+00
D12	0.293E+00	0.293E+00	0.293E+00	0.000E+00	0.000E+00	0.000E+00
D13	0.293E+00	0.293E+00	0.293E+00	0.000E+00	0.000E+00	0.000E+00
D14	0.293E+00	0.293E+00	0.293E+00	0.000E+00	0.000E+00	0.000E+00
D15	0.579E+00	0.579E+00	0.579E+00	0.000E+00	0.000E+00	0.000E+00
F10	0.480E+00	0.480E+00	0.480E+00	0.000E+00	0.000E+00	0.000E+00
F11	0.480E+00	0.480E+00	0.480E+00	0.000E+00	0.000E+00	0.000E+00
F12	0.480E+00	0.480E+00	0.480E+00	0.000E+00	0.000E+00	0.000E+00
F13	0.480E+00	0.480E+00	0.480E+00	0.000E+00	0.000E+00	0.000E+00
F14	0.480E+00	0.480E+00	0.480E+00	0.000E+00	0.000E+00	0.000E+00
F15	0.950E+00	0.950E+00	0.950E+00	0.000E+00	0.000E+00	0.000E+00
G10	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
G11	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
G12	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
G13	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
G14	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
G15	0.741E+00	0.741E+00	0.741E+00	0.000E+00	0.000E+00	0.000E+00
H10	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
H11	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
H12	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
H13	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
H14	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
H15	0.741E+00	0.741E+00	0.741E+00	0.000E+00	0.000E+00	0.000E+00
I10	0.398E+00	0.398E+00	0.398E+00	0.000E+00	0.000E+00	0.000E+00
I11	0.398E+00	0.398E+00	0.398E+00	0.000E+00	0.000E+00	0.000E+00
I12	0.398E+00	0.398E+00	0.398E+00	0.000E+00	0.000E+00	0.000E+00
I13	0.398E+00	0.398E+00	0.398E+00	0.000E+00	0.000E+00	0.000E+00
I14	0.398E+00	0.398E+00	0.398E+00	0.000E+00	0.000E+00	0.000E+00
I15	0.901E+00	0.901E+00	0.901E+00	0.000E+00	0.000E+00	0.000E+00
J10	0.427E+00	0.427E+00	0.427E+00	0.000E+00	0.000E+00	0.000E+00

J11	0.427E+00	0.427E+00	0.427E+00	0.000E+00	0.000E+00	0.000E+00
J12	0.427E+00	0.427E+00	0.427E+00	0.000E+00	0.000E+00	0.000E+00
J13	0.427E+00	0.427E+00	0.427E+00	0.000E+00	0.000E+00	0.000E+00
J14	0.427E+00	0.427E+00	0.427E+00	0.000E+00	0.000E+00	0.000E+00
J15	0.107E+01	0.107E+01	0.107E+01	0.000E+00	0.000E+00	0.000E+00
K10	0.442E+00	0.442E+00	0.442E+00	0.000E+00	0.000E+00	0.000E+00
K11	0.442E+00	0.442E+00	0.442E+00	0.000E+00	0.000E+00	0.000E+00
K12	0.442E+00	0.442E+00	0.442E+00	0.000E+00	0.000E+00	0.000E+00
K13	0.442E+00	0.442E+00	0.442E+00	0.000E+00	0.000E+00	0.000E+00
K14	0.442E+00	0.442E+00	0.442E+00	0.000E+00	0.000E+00	0.000E+00
K15	0.122E+01	0.122E+01	0.122E+01	0.000E+00	0.000E+00	0.000E+00
L10	0.455E+00	0.455E+00	0.455E+00	0.000E+00	0.000E+00	0.000E+00
L11	0.455E+00	0.455E+00	0.455E+00	0.000E+00	0.000E+00	0.000E+00
L12	0.455E+00	0.455E+00	0.455E+00	0.000E+00	0.000E+00	0.000E+00
L13	0.455E+00	0.455E+00	0.455E+00	0.000E+00	0.000E+00	0.000E+00
L14	0.455E+00	0.455E+00	0.455E+00	0.000E+00	0.000E+00	0.000E+00
L15	0.137E+01	0.137E+01	0.137E+01	0.000E+00	0.000E+00	0.000E+00
M10	0.337E+00	0.337E+00	0.337E+00	0.000E+00	0.000E+00	0.000E+00
M11	0.337E+00	0.337E+00	0.337E+00	0.000E+00	0.000E+00	0.000E+00
M12	0.337E+00	0.337E+00	0.337E+00	0.000E+00	0.000E+00	0.000E+00
M13	0.337E+00	0.337E+00	0.337E+00	0.000E+00	0.000E+00	0.000E+00
M14	0.337E+00	0.337E+00	0.337E+00	0.000E+00	0.000E+00	0.000E+00
M15	0.102E+01	0.102E+01	0.102E+01	0.000E+00	0.000E+00	0.000E+00
N10	0.167E+02	0.167E+02	0.167E+02	0.000E+00	0.000E+00	0.000E+00
N11	0.167E+02	0.167E+02	0.167E+02	0.000E+00	0.000E+00	0.000E+00
N12	0.167E+02	0.167E+02	0.167E+02	0.000E+00	0.000E+00	0.000E+00
N13	0.167E+02	0.167E+02	0.167E+02	0.000E+00	0.000E+00	0.000E+00
N14	0.167E+02	0.167E+02	0.167E+02	0.000E+00	0.000E+00	0.000E+00
N15	0.167E+02	0.167E+02	0.167E+02	0.000E+00	0.000E+00	0.000E+00
O15	0.328E+00	0.328E+00	0.328E+00	0.000E+00	0.000E+00	0.000E+00
P10	0.958E+01	0.958E+01	0.958E+01	0.000E+00	0.000E+00	0.000E+00
P11	0.107E+02	0.107E+02	0.107E+02	0.000E+00	0.000E+00	0.000E+00
P12	0.107E+02	0.107E+02	0.107E+02	0.000E+00	0.000E+00	0.000E+00
P13	0.958E+01	0.958E+01	0.958E+01	0.000E+00	0.000E+00	0.000E+00
P14	0.958E+01	0.958E+01	0.958E+01	0.000E+00	0.000E+00	0.000E+00
P15	0.930E+01	0.930E+01	0.930E+01	0.000E+00	0.000E+00	0.000E+00
1FIL1	0.582E-01	0.582E-01	0.582E-01	0.000E+00	0.000E+00	0.000E+00
1FIL2	0.116E+00	0.116E+00	0.116E+00	0.000E+00	0.000E+00	0.000E+00
1FIL3	0.116E+00	0.116E+00	0.116E+00	0.000E+00	0.000E+00	0.000E+00
1FIL4	0.116E+00	0.116E+00	0.116E+00	0.000E+00	0.000E+00	0.000E+00
1FIL5	0.116E+00	0.116E+00	0.116E+00	0.000E+00	0.000E+00	0.000E+00
1FIL6	0.116E+00	0.116E+00	0.116E+00	0.000E+00	0.000E+00	0.000E+00
1FIL7	0.116E+00	0.116E+00	0.116E+00	0.000E+00	0.000E+00	0.000E+00
1FIL8	0.116E+00	0.116E+00	0.116E+00	0.000E+00	0.000E+00	0.000E+00
1FIL9	0.116E+00	0.116E+00	0.116E+00	0.000E+00	0.000E+00	0.000E+00
2FIL1	0.929E+00	0.929E+00	0.929E+00	0.000E+00	0.000E+00	0.000E+00
2FIL2	0.615E+00	0.615E+00	0.615E+00	0.000E+00	0.000E+00	0.000E+00
2FIL3	0.615E+00	0.615E+00	0.615E+00	0.000E+00	0.000E+00	0.000E+00
2FIL4	0.615E+00	0.615E+00	0.615E+00	0.000E+00	0.000E+00	0.000E+00
2FIL5	0.615E+00	0.615E+00	0.615E+00	0.000E+00	0.000E+00	0.000E+00
2FIL6	0.615E+00	0.615E+00	0.615E+00	0.000E+00	0.000E+00	0.000E+00
2FIL7	0.615E+00	0.615E+00	0.615E+00	0.000E+00	0.000E+00	0.000E+00
2FIL8	0.615E+00	0.615E+00	0.615E+00	0.000E+00	0.000E+00	0.000E+00
2FIL9	0.615E+00	0.615E+00	0.615E+00	0.000E+00	0.000E+00	0.000E+00
3FIL1	0.123E+01	0.123E+01	0.123E+01	0.000E+00	0.000E+00	0.000E+00
3FIL2	0.121E+01	0.121E+01	0.121E+01	0.000E+00	0.000E+00	0.000E+00
3FIL3	0.121E+01	0.121E+01	0.121E+01	0.000E+00	0.000E+00	0.000E+00
3FIL4	0.121E+01	0.121E+01	0.121E+01	0.000E+00	0.000E+00	0.000E+00
3FIL5	0.121E+01	0.121E+01	0.121E+01	0.000E+00	0.000E+00	0.000E+00
3FIL6	0.121E+01	0.121E+01	0.121E+01	0.000E+00	0.000E+00	0.000E+00
3FIL7	0.121E+01	0.121E+01	0.121E+01	0.000E+00	0.000E+00	0.000E+00
3FIL8	0.121E+01	0.121E+01	0.121E+01	0.000E+00	0.000E+00	0.000E+00
3FIL9	0.121E+01	0.121E+01	0.121E+01	0.000E+00	0.000E+00	0.000E+00

4FIL1	0.166E+01	0.166E+01	0.166E+01	0.000E+00	0.000E+00	0.000E+00
4FIL2	0.207E+01	0.207E+01	0.207E+01	0.000E+00	0.000E+00	0.000E+00
4FIL3	0.207E+01	0.207E+01	0.207E+01	0.000E+00	0.000E+00	0.000E+00
4FIL4	0.207E+01	0.207E+01	0.207E+01	0.000E+00	0.000E+00	0.000E+00
4FIL5	0.207E+01	0.207E+01	0.207E+01	0.000E+00	0.000E+00	0.000E+00
4FIL6	0.207E+01	0.207E+01	0.207E+01	0.000E+00	0.000E+00	0.000E+00
4FIL7	0.207E+01	0.207E+01	0.207E+01	0.000E+00	0.000E+00	0.000E+00
4FIL8	0.207E+01	0.207E+01	0.207E+01	0.000E+00	0.000E+00	0.000E+00
4FIL9	0.207E+01	0.207E+01	0.207E+01	0.000E+00	0.000E+00	0.000E+00
5FIL1	0.164E+01	0.164E+01	0.164E+01	0.000E+00	0.000E+00	0.000E+00
5FIL2	0.169E+01	0.169E+01	0.169E+01	0.000E+00	0.000E+00	0.000E+00
5FIL3	0.169E+01	0.169E+01	0.169E+01	0.000E+00	0.000E+00	0.000E+00
5FIL4	0.169E+01	0.169E+01	0.169E+01	0.000E+00	0.000E+00	0.000E+00
5FIL5	0.169E+01	0.169E+01	0.169E+01	0.000E+00	0.000E+00	0.000E+00
5FIL6	0.169E+01	0.169E+01	0.169E+01	0.000E+00	0.000E+00	0.000E+00
5FIL7	0.169E+01	0.169E+01	0.169E+01	0.000E+00	0.000E+00	0.000E+00
5FIL8	0.169E+01	0.169E+01	0.169E+01	0.000E+00	0.000E+00	0.000E+00
5FIL9	0.169E+01	0.169E+01	0.169E+01	0.000E+00	0.000E+00	0.000E+00
1FIL10	0.116E+00	0.116E+00	0.116E+00	0.000E+00	0.000E+00	0.000E+00
1FIL11	0.116E+00	0.116E+00	0.116E+00	0.000E+00	0.000E+00	0.000E+00
1FIL12	0.116E+00	0.116E+00	0.116E+00	0.000E+00	0.000E+00	0.000E+00
1FIL13	0.116E+00	0.116E+00	0.116E+00	0.000E+00	0.000E+00	0.000E+00
1FIL14	0.116E+00	0.116E+00	0.116E+00	0.000E+00	0.000E+00	0.000E+00
1FIL15	0.116E+00	0.116E+00	0.116E+00	0.000E+00	0.000E+00	0.000E+00
2FIL10	0.615E+00	0.615E+00	0.615E+00	0.000E+00	0.000E+00	0.000E+00
2FIL11	0.615E+00	0.615E+00	0.615E+00	0.000E+00	0.000E+00	0.000E+00
2FIL12	0.615E+00	0.615E+00	0.615E+00	0.000E+00	0.000E+00	0.000E+00
2FIL13	0.615E+00	0.615E+00	0.615E+00	0.000E+00	0.000E+00	0.000E+00
2FIL14	0.615E+00	0.615E+00	0.615E+00	0.000E+00	0.000E+00	0.000E+00
2FIL15	0.615E+00	0.615E+00	0.615E+00	0.000E+00	0.000E+00	0.000E+00
3FIL10	0.121E+01	0.121E+01	0.121E+01	0.000E+00	0.000E+00	0.000E+00
3FIL11	0.121E+01	0.121E+01	0.121E+01	0.000E+00	0.000E+00	0.000E+00
3FIL12	0.121E+01	0.121E+01	0.121E+01	0.000E+00	0.000E+00	0.000E+00
3FIL13	0.121E+01	0.121E+01	0.121E+01	0.000E+00	0.000E+00	0.000E+00
3FIL14	0.121E+01	0.121E+01	0.121E+01	0.000E+00	0.000E+00	0.000E+00
3FIL15	0.121E+01	0.121E+01	0.121E+01	0.000E+00	0.000E+00	0.000E+00
4FIL10	0.207E+01	0.207E+01	0.207E+01	0.000E+00	0.000E+00	0.000E+00
4FIL11	0.207E+01	0.207E+01	0.207E+01	0.000E+00	0.000E+00	0.000E+00
4FIL12	0.207E+01	0.207E+01	0.207E+01	0.000E+00	0.000E+00	0.000E+00
4FIL13	0.207E+01	0.207E+01	0.207E+01	0.000E+00	0.000E+00	0.000E+00
4FIL14	0.207E+01	0.207E+01	0.207E+01	0.000E+00	0.000E+00	0.000E+00
4FIL15	0.207E+01	0.207E+01	0.207E+01	0.000E+00	0.000E+00	0.000E+00
5FIL10	0.169E+01	0.169E+01	0.169E+01	0.000E+00	0.000E+00	0.000E+00
5FIL11	0.169E+01	0.169E+01	0.169E+01	0.000E+00	0.000E+00	0.000E+00
5FIL12	0.169E+01	0.169E+01	0.169E+01	0.000E+00	0.000E+00	0.000E+00
5FIL13	0.169E+01	0.169E+01	0.169E+01	0.000E+00	0.000E+00	0.000E+00
5FIL14	0.169E+01	0.169E+01	0.169E+01	0.000E+00	0.000E+00	0.000E+00
5FIL15	0.169E+01	0.169E+01	0.169E+01	0.000E+00	0.000E+00	0.000E+00

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J O I N T S P R I N G S

JOINT

D1	U1	U2	U3	R1	R2	R3
U1	0.100E+01	0.000E+00	0.000E+00	0.000E+00	0.000E+00	0.000E+00
R2					0.100E+01	0.000E+00

JOINT

D2	U1	U2	U3	R1	R2	R3

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        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   D3              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   D4              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   D5              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   D6              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   D7              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   D8              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   D9              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   F1              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   F2              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   F3              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   F4              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   F5              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00
```

```
JOINT
   F6              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   F7              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   F8              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   F9              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   G1              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   G2              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   G3              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   G4              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   G5              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   G6              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   G7              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   G8              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   G9              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
```

```
        R2                                                  0.100E+01  0.000E+00

JOINT
   H1              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   H2              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   H3              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   H4              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   H5              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   H6              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   H7              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   H8              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   H9              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   I1              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   I2              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   I3              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
```

```
   I4              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   I5              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   I6              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   I7              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   I8              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   I9              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   J1              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   J2              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   J3              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   J4              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   J5              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   J6              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   J7              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00
```

```
JOINT
   J8              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   J9              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   K1              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   K2              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   K3              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   K4              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   K5              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   K6              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   K7              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   K8              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   K9              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   L1              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   L2              U1         U2         U3         R1         R2         R3
```

```
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   L3              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   L4              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   L5              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   L6              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   L7              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   L8              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   L9              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   M1              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   M2              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   M3              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   M4              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   M5              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00
```

```
JOINT
   M6              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   M7              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   M8              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   M9              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   N1              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   N2              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   N3              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   N4              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   N5              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   N6              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   N7              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   N8              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
   N9              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
```

```
        R2                                                  0.100E+01  0.000E+00

JOINT
   O1              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   O7              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   O9              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   P1              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   P2              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   P3              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   P4              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   P5              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   P6              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   P7              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   P8              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   P9              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
```

```
  D10              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  D11              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  D12              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  D13              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  D14              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  D15              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  F10              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  F11              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  F12              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  F13              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  F14              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  F15              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  G10              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00
```

```
JOINT
  G11              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  G12              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  G13              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  G14              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  G15              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  H10              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  H11              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  H12              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  H13              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  H14              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  H15              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  I10              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  I11              U1         U2         U3         R1         R2         R3
```

```
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
  I12             U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
  I13             U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
  I14             U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
  I15             U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
  J10             U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
  J11             U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
  J12             U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
  J13             U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
  J14             U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
  J15             U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
  K10             U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
  K11             U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00
```

```
JOINT
  K12              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  K13              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  K14              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  K15              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  L10              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  L11              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  L12              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  L13              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  L14              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  L15              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  M10              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  M11              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  M12              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
```

```
        R2                                                  0.100E+01  0.000E+00

JOINT
  M13              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
  M14              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
  M15              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
  N10              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
  N11              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
  N12              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
  N13              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
  N14              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
  N15              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
  O15              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
  P10              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
  P11              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
```

```
  P12              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  P13              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  P14              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
  P15              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
1FIL1              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
1FIL2              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
1FIL3              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
1FIL4              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
1FIL5              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
1FIL6              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
1FIL7              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
1FIL8              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
1FIL9              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00
```

```
JOINT
2FIL1              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
2FIL2              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
2FIL3              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
2FIL4              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
2FIL5              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
2FIL6              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
2FIL7              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
2FIL8              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
2FIL9              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
3FIL1              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
3FIL2              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
3FIL3              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

JOINT
3FIL4              U1         U2         U3         R1         R2         R3
```

```
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                               0.100E+01  0.000E+00

JOINT
3FIL5              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                               0.100E+01  0.000E+00

JOINT
3FIL6              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                               0.100E+01  0.000E+00

JOINT
3FIL7              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                               0.100E+01  0.000E+00

JOINT
3FIL8              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                               0.100E+01  0.000E+00

JOINT
3FIL9              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                               0.100E+01  0.000E+00

JOINT
4FIL1              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                               0.100E+01  0.000E+00

JOINT
4FIL2              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                               0.100E+01  0.000E+00

JOINT
4FIL3              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                               0.100E+01  0.000E+00

JOINT
4FIL4              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                               0.100E+01  0.000E+00

JOINT
4FIL5              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                               0.100E+01  0.000E+00

JOINT
4FIL6              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                               0.100E+01  0.000E+00

JOINT
4FIL7              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                               0.100E+01  0.000E+00
```

```
 JOINT
 4FIL8              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

 JOINT
 4FIL9              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

 JOINT
 5FIL1              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

 JOINT
 5FIL2              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

 JOINT
 5FIL3              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

 JOINT
 5FIL4              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

 JOINT
 5FIL5              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

 JOINT
 5FIL6              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

 JOINT
 5FIL7              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

 JOINT
 5FIL8              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

 JOINT
 5FIL9              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

 JOINT
1FIL10              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                0.100E+01  0.000E+00

 JOINT
1FIL11              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
```

```
        R2                                                  0.100E+01  0.000E+00

 JOINT
1FIL12              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

 JOINT
1FIL13              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

 JOINT
1FIL14              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

 JOINT
1FIL15              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

 JOINT
2FIL10              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

 JOINT
2FIL11              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

 JOINT
2FIL12              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

 JOINT
2FIL13              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

 JOINT
2FIL14              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

 JOINT
2FIL15              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

 JOINT
3FIL10              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

 JOINT
3FIL11              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

 JOINT
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```
 3FIL12              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

  JOINT
 3FIL13              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

  JOINT
 3FIL14              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

  JOINT
 3FIL15              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

  JOINT
 4FIL10              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

  JOINT
 4FIL11              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

  JOINT
 4FIL12              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

  JOINT
 4FIL13              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

  JOINT
 4FIL14              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

  JOINT
 4FIL15              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

  JOINT
 5FIL10              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

  JOINT
 5FIL11              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

  JOINT
 5FIL12              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00
```

```
  JOINT
 5FIL13              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

  JOINT
 5FIL14              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

  JOINT
 5FIL15              U1         U2         U3         R1         R2         R3
        U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00
```

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M A T E R I A L P R O P E R T Y D A T A

MAT LABEL	NUMBER TEMPS	WEIGHT PER UNIT VOL	MASS PER UNIT VOL	DESIGN CODE
STEEL	1	0.2830E+00	0.7324E-03	S
CONC	1	0.8680E-01	0.2246E-03	C
WOOD	1	0.1850E-01	0.4793E-04	N

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T E M P E R A T U R E D E P E N D E N T D A T A

MATERIAL PROPERTIES

MAT LABEL	TEMP	MODULUS OF ELASTICITY E1	E2	E3	SHEAR MODULII G12	G13	G23
STEEL	0.00	0.290E+08	0.290E+08	0.290E+08	0.112E+08	0.112E+08	0.112E+08
CONC	0.00	0.360E+07	0.360E+07	0.360E+07	0.150E+07	0.150E+07	0.150E+07
WOOD	0.00	0.140E+07	0.140E+07	0.140E+07	0.538E+06	0.538E+06	0.538E+06

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T E M P E R A T U R E D E P E N D E N T D A T A

THERMAL EXPANSION COEFFICIENTS

MAT LABEL	TEMP	COEFFICIENTS OF THERMAL EXPANSION A1	A2	A3	A12	A13	A23
STEEL	0.00	0.650E-05	0.650E-05	0.650E-05	0.000E+00	0.000E+00	0.000E+00
CONC	0.00	0.550E-05	0.550E-05	0.550E-05	0.000E+00	0.000E+00	0.000E+00

```
    WOOD      0.00 0.650E-05 0.650E-05 0.650E-05 0.000E+00 0.000E+00 0.000E+00

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 T E M P E R A T U R E   D E P E N D E N T   D A T A

 MATERIAL PROPERTIES

     MAT      TEMP                                    POISSONS RATIO
   LABEL           U12 U13 U23 U14 U24 U34 U15 U25 U35 U45 U16 U26 U36 U46 U56

   STEEL      0.00 0.3 0.3 0.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

    CONC      0.00 0.2 0.2 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

    WOOD      0.00 0.3 0.3 0.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

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 MATERIAL PROPERTIES

     MAT      TEMP       YIELD
   LABEL                   FY

    CONC      0.00       36.00

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 F R A M E   S E C T I O N   P R O P E R T Y   D A T A  -  P R I S M A T I C

 SECTION            SHAPE    DEPTH   FLANGE   FLANGE     WEB   FLANGE   FLANGE
   LABEL             TYPE            WIDTH    THICK   THICK    WIDTH    THICK
                                       TOP      TOP           BOTTOM   BOTTOM

     4X4                R    3.500    3.500
   2X2X4                R    3.500    3.000
     4X6                R    5.500    3.500
     2X8                R    7.250    1.500
   2X4X4                R    7.000    3.500

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 F R A M E   S E C T I O N   P R O P E R T Y   D A T A  -  P R I S M A T I C

 SECTION       AXIAL  TORSIONAL    MOMENTS OF INERTIA         SHEAR   AREAS
   LABEL        AREA   CONSTANT        I33        I22         A2         A3

     4X4   0.123E+02  0.211E+02  0.125E+02  0.125E+02  0.102E+02  0.102E+02
   2X2X4   0.105E+02  0.153E+02  0.107E+02  0.788E+01  0.875E+01  0.875E+01
     4X6   0.193E+02  0.475E+02  0.485E+02  0.197E+02  0.160E+02  0.160E+02
```

2X8	0.109E+02	0.709E+01	0.476E+02	0.204E+01	0.906E+01	0.906E+01
2X4X4	0.245E+02	0.687E+02	0.100E+03	0.250E+02	0.204E+02	0.204E+02

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	MAT LABEL	ADDITIONAL MASS PER LENGTH	ADDITIONAL WEIGHT PER LENGTH
4X4	WOOD	0.000E+00	0.000E+00
2X2X4	WOOD	0.000E+00	0.000E+00
4X6	WOOD	0.000E+00	0.000E+00
2X8	WOOD	0.000E+00	0.000E+00
2X4X4	WOOD	0.000E+00	0.000E+00

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F R A M E E L E M E N T D A T A

ELEMENT LABEL	JOINT END-I	JOINT END-J	ELEMENT LENGTH	END-OFFSET-LENGTHS END-I	END-J	RIGID-END FACTOR	NUMBER OF SEGMENTS
3	G1	H1	48.000	0.000	0.000	0.0000	2
5	I1	J1	48.000	0.000	0.000	0.0000	2
7	K1	L1	48.000	0.000	0.000	0.0000	2
8	L1	M1	48.000	0.000	0.000	0.0000	2
10	N1	O1	63.000	0.000	0.000	0.0000	2
11	O1	P1	21.000	0.000	0.000	0.0000	2
13	F1	F2	72.000	0.000	0.000	0.0000	4
14	G1	G2	72.000	0.000	0.000	0.0000	4
15	H1	H2	72.000	0.000	0.000	0.0000	4
16	I1	I2	72.000	0.000	0.000	0.0000	4
17	J1	J2	72.000	0.000	0.000	0.0000	4
18	K1	K2	72.000	0.000	0.000	0.0000	4
19	L1	L2	72.000	0.000	0.000	0.0000	4
20	M1	M2	72.000	0.000	0.000	0.0000	4
21	N1	N2	72.000	0.000	0.000	0.0000	4
23	P1	P2	72.000	0.000	0.000	0.0000	4
26	G2	H2	48.000	0.000	0.000	0.0000	2
28	I2	J2	48.000	0.000	0.000	0.0000	2
30	K2	L2	48.000	0.000	0.000	0.0000	2
31	L2	M2	48.000	0.000	0.000	0.0000	2
33	N2	P2	84.000	0.000	0.000	0.0000	2
34	F2	F3	72.000	0.000	0.000	0.0000	4
37	G2	G3	72.000	0.000	0.000	0.0000	4
38	H2	H3	72.000	0.000	0.000	0.0000	4
40	I2	I3	72.000	0.000	0.000	0.0000	4
41	J2	J3	72.000	0.000	0.000	0.0000	4
43	K2	K3	72.000	0.000	0.000	0.0000	4
44	L2	L3	72.000	0.000	0.000	0.0000	4
46	M2	M3	72.000	0.000	0.000	0.0000	4
47	N2	N3	72.000	0.000	0.000	0.0000	4
48	P2	P3	72.000	0.000	0.000	0.0000	4
51	G3	H3	48.000	0.000	0.000	0.0000	2
53	I3	J3	48.000	0.000	0.000	0.0000	2

55	K3	L3	48.000	0.000	0.000	0.0000	2
56	L3	M3	48.000	0.000	0.000	0.0000	2
58	N3	P3	84.000	0.000	0.000	0.0000	2
59	F3	F4	72.000	0.000	0.000	0.0000	4
60	G3	G4	72.000	0.000	0.000	0.0000	4
61	H3	H4	72.000	0.000	0.000	0.0000	4
63	I3	I4	72.000	0.000	0.000	0.0000	4
64	J3	J4	72.000	0.000	0.000	0.0000	4
66	K3	K4	72.000	0.000	0.000	0.0000	4
67	L3	L4	72.000	0.000	0.000	0.0000	4
69	M3	M4	72.000	0.000	0.000	0.0000	4
70	N3	N4	72.000	0.000	0.000	0.0000	4
71	P3	P4	72.000	0.000	0.000	0.0000	4
74	G4	H4	48.000	0.000	0.000	0.0000	2
76	I4	J4	48.000	0.000	0.000	0.0000	2
78	K4	L4	48.000	0.000	0.000	0.0000	2
79	L4	M4	48.000	0.000	0.000	0.0000	2
81	N4	P4	84.000	0.000	0.000	0.0000	2
84	F4	F5	72.000	0.000	0.000	0.0000	4
85	G4	G5	72.000	0.000	0.000	0.0000	4
86	H4	H5	72.000	0.000	0.000	0.0000	4
88	I4	I5	72.000	0.000	0.000	0.0000	4
89	J4	J5	72.000	0.000	0.000	0.0000	4
90	K4	K5	72.000	0.000	0.000	0.0000	4
91	L4	L5	72.000	0.000	0.000	0.0000	4
92	M4	M5	72.000	0.000	0.000	0.0000	4
93	N4	N5	72.000	0.000	0.000	0.0000	4
94	P4	P5	72.000	0.000	0.000	0.0000	4
99	G5	H5	48.000	0.000	0.000	0.0000	2
101	I5	J5	48.000	0.000	0.000	0.0000	2
103	K5	L5	48.000	0.000	0.000	0.0000	2
104	L5	M5	48.000	0.000	0.000	0.0000	2
106	N5	P5	84.000	0.000	0.000	0.0000	2
107	F5	F6	72.000	0.000	0.000	0.0000	4
110	G5	G6	72.000	0.000	0.000	0.0000	4
111	H5	H6	72.000	0.000	0.000	0.0000	4
113	I5	I6	72.000	0.000	0.000	0.0000	4
114	J5	J6	72.000	0.000	0.000	0.0000	4
115	K5	K6	72.000	0.000	0.000	0.0000	4
116	L5	L6	72.000	0.000	0.000	0.0000	4
118	M5	M6	72.000	0.000	0.000	0.0000	4
119	N5	N6	72.000	0.000	0.000	0.0000	4
120	P5	P6	72.000	0.000	0.000	0.0000	4
123	G6	H6	48.000	0.000	0.000	0.0000	2
125	I6	J6	48.000	0.000	0.000	0.0000	2
127	K6	L6	48.000	0.000	0.000	0.0000	2
128	L6	M6	48.000	0.000	0.000	0.0000	2
130	N6	P6	84.000	0.000	0.000	0.0000	2
132	F6	F7	72.000	0.000	0.000	0.0000	4
134	G6	G7	72.000	0.000	0.000	0.0000	4
135	H6	H7	72.000	0.000	0.000	0.0000	4
137	I6	I7	72.000	0.000	0.000	0.0000	4
138	J6	J7	72.000	0.000	0.000	0.0000	4
140	K6	K7	72.000	0.000	0.000	0.0000	4
141	L6	L7	72.000	0.000	0.000	0.0000	4
142	M6	M7	72.000	0.000	0.000	0.0000	4
143	N6	N7	72.000	0.000	0.000	0.0000	4
145	P6	P7	72.000	0.000	0.000	0.0000	4
148	G7	H7	48.000	0.000	0.000	0.0000	2
150	I7	J7	48.000	0.000	0.000	0.0000	2
152	K7	L7	48.000	0.000	0.000	0.0000	2
153	L7	M7	48.000	0.000	0.000	0.0000	2
155	N7	O7	63.000	0.000	0.000	0.0000	2

156	O7	P7	21.000	0.000	0.000	0.0000	2
158	F7	F8	72.000	0.000	0.000	0.0000	4
159	G7	G8	72.000	0.000	0.000	0.0000	4
160	H7	H8	72.000	0.000	0.000	0.0000	4
161	I7	I8	72.000	0.000	0.000	0.0000	4
162	J7	J8	72.000	0.000	0.000	0.0000	4
163	K7	K8	72.000	0.000	0.000	0.0000	4
164	L7	L8	72.000	0.000	0.000	0.0000	4
165	M7	M8	72.000	0.000	0.000	0.0000	4
166	N7	N8	72.000	0.000	0.000	0.0000	4
167	P7	P8	72.000	0.000	0.000	0.0000	4
170	G8	H8	48.000	0.000	0.000	0.0000	2
172	I8	J8	48.000	0.000	0.000	0.0000	2
174	K8	L8	48.000	0.000	0.000	0.0000	2
175	L8	M8	48.000	0.000	0.000	0.0000	2
177	N8	P8	84.000	0.000	0.000	0.0000	2
179	F8	F9	72.000	0.000	0.000	0.0000	4
180	G8	G9	72.000	0.000	0.000	0.0000	4
181	H8	H9	72.000	0.000	0.000	0.0000	4
182	I8	I9	72.000	0.000	0.000	0.0000	4
183	J8	J9	72.000	0.000	0.000	0.0000	4
184	K8	K9	72.000	0.000	0.000	0.0000	4
185	L8	L9	72.000	0.000	0.000	0.0000	4
186	M8	M9	72.000	0.000	0.000	0.0000	4
187	N8	N9	72.000	0.000	0.000	0.0000	4
188	P8	P9	72.000	0.000	0.000	0.0000	4
191	G9	H9	48.000	0.000	0.000	0.0000	2
193	I9	J9	48.000	0.000	0.000	0.0000	2
195	K9	L9	48.000	0.000	0.000	0.0000	2
196	L9	M9	48.000	0.000	0.000	0.0000	2
198	N9	O9	63.000	0.000	0.000	0.0000	2
199	O9	P9	21.000	0.000	0.000	0.0000	2
201	F9	F10	72.000	0.000	0.000	0.0000	4
204	G9	G10	72.000	0.000	0.000	0.0000	4
205	H9	H10	72.000	0.000	0.000	0.0000	4
207	I9	I10	72.000	0.000	0.000	0.0000	4
208	J9	J10	72.000	0.000	0.000	0.0000	4
210	K9	K10	72.000	0.000	0.000	0.0000	4
211	L9	L10	72.000	0.000	0.000	0.0000	4
212	M9	M10	72.000	0.000	0.000	0.0000	4
213	N9	N10	72.000	0.000	0.000	0.0000	4
215	P9	P10	72.000	0.000	0.000	0.0000	4
218	G10	H10	48.000	0.000	0.000	0.0000	2
220	I10	J10	48.000	0.000	0.000	0.0000	2
222	K10	L10	48.000	0.000	0.000	0.0000	2
223	L10	M10	48.000	0.000	0.000	0.0000	2
225	N10	P10	84.000	0.000	0.000	0.0000	2
226	F10	F11	72.000	0.000	0.000	0.0000	4
228	G10	G11	72.000	0.000	0.000	0.0000	4
229	H10	H11	72.000	0.000	0.000	0.0000	4
231	I10	I11	72.000	0.000	0.000	0.0000	4
232	J10	J11	72.000	0.000	0.000	0.0000	4
233	K10	K11	72.000	0.000	0.000	0.0000	4
234	L10	L11	72.000	0.000	0.000	0.0000	4
236	M10	M11	72.000	0.000	0.000	0.0000	4
237	N10	N11	72.000	0.000	0.000	0.0000	4
238	P10	P11	72.000	0.000	0.000	0.0000	4
241	G11	H11	48.000	0.000	0.000	0.0000	2
243	I11	J11	48.000	0.000	0.000	0.0000	2
245	K11	L11	48.000	0.000	0.000	0.0000	2
246	L11	M11	48.000	0.000	0.000	0.0000	2
248	N11	P11	84.000	0.000	0.000	0.0000	2
251	F11	F12	72.000	0.000	0.000	0.0000	4

252	G11	G12	72.000	0.000	0.000	0.0000	4
253	H11	H12	72.000	0.000	0.000	0.0000	4
255	I11	I12	72.000	0.000	0.000	0.0000	4
256	J11	J12	72.000	0.000	0.000	0.0000	4
257	K11	K12	72.000	0.000	0.000	0.0000	4
258	L11	L12	72.000	0.000	0.000	0.0000	4
259	M11	M12	72.000	0.000	0.000	0.0000	4
260	N11	N12	72.000	0.000	0.000	0.0000	4
261	P11	P12	72.000	0.000	0.000	0.0000	4
266	G12	H12	48.000	0.000	0.000	0.0000	2
268	I12	J12	48.000	0.000	0.000	0.0000	2
270	K12	L12	48.000	0.000	0.000	0.0000	2
271	L12	M12	48.000	0.000	0.000	0.0000	2
273	N12	P12	84.000	0.000	0.000	0.0000	2
274	F12	F13	72.000	0.000	0.000	0.0000	4
275	G12	G13	72.000	0.000	0.000	0.0000	4
276	H12	H13	72.000	0.000	0.000	0.0000	4
278	I12	I13	72.000	0.000	0.000	0.0000	4
279	J12	J13	72.000	0.000	0.000	0.0000	4
281	K12	K13	72.000	0.000	0.000	0.0000	4
282	L12	L13	72.000	0.000	0.000	0.0000	4
284	M12	M13	72.000	0.000	0.000	0.0000	4
285	N12	N13	72.000	0.000	0.000	0.0000	4
286	P12	P13	72.000	0.000	0.000	0.0000	4
289	G13	H13	48.000	0.000	0.000	0.0000	2
291	I13	J13	48.000	0.000	0.000	0.0000	2
293	K13	L13	48.000	0.000	0.000	0.0000	2
294	L13	M13	48.000	0.000	0.000	0.0000	2
296	N13	P13	84.000	0.000	0.000	0.0000	2
297	F13	F14	72.000	0.000	0.000	0.0000	4
300	G13	G14	72.000	0.000	0.000	0.0000	4
301	H13	H14	72.000	0.000	0.000	0.0000	4
303	I13	I14	72.000	0.000	0.000	0.0000	4
304	J13	J14	72.000	0.000	0.000	0.0000	4
306	K13	K14	72.000	0.000	0.000	0.0000	4
307	L13	L14	72.000	0.000	0.000	0.0000	4
309	M13	M14	72.000	0.000	0.000	0.0000	4
310	N13	N14	72.000	0.000	0.000	0.0000	4
311	P13	P14	72.000	0.000	0.000	0.0000	4
314	G14	H14	48.000	0.000	0.000	0.0000	2
316	I14	J14	48.000	0.000	0.000	0.0000	2
318	K14	L14	48.000	0.000	0.000	0.0000	2
319	L14	M14	48.000	0.000	0.000	0.0000	2
321	N14	P14	84.000	0.000	0.000	0.0000	2
323	F14	F15	72.000	0.000	0.000	0.0000	4
324	G14	G15	72.000	0.000	0.000	0.0000	4
325	H14	H15	72.000	0.000	0.000	0.0000	4
326	I14	I15	72.000	0.000	0.000	0.0000	4
327	J14	J15	72.000	0.000	0.000	0.0000	4
328	K14	K15	72.000	0.000	0.000	0.0000	4
329	L14	L15	72.000	0.000	0.000	0.0000	4
330	M14	M15	72.000	0.000	0.000	0.0000	4
331	N14	N15	72.000	0.000	0.000	0.0000	4
333	P14	P15	72.000	0.000	0.000	0.0000	4
336	G15	H15	48.000	0.000	0.000	0.0000	2
338	I15	J15	48.000	0.000	0.000	0.0000	2
340	K15	L15	48.000	0.000	0.000	0.0000	2
341	L15	M15	48.000	0.000	0.000	0.0000	2
343	N15	O15	63.000	0.000	0.000	0.0000	2
344	O15	P15	21.000	0.000	0.000	0.0000	2
346	D1	1FIL1	18.250	0.000	0.000	0.0000	2
347	1FIL1	F1	56.750	0.000	0.000	0.0000	2
348	D2	1FIL2	18.250	0.000	0.000	0.0000	2

349	1FIL2	F2	56.750	0.000	0.000	0.0000	2
350	D3	1FIL3	18.250	0.000	0.000	0.0000	2
351	1FIL3	F3	56.750	0.000	0.000	0.0000	2
352	D4	1FIL4	18.250	0.000	0.000	0.0000	2
353	1FIL4	F4	56.750	0.000	0.000	0.0000	2
354	D5	1FIL5	18.250	0.000	0.000	0.0000	2
355	1FIL5	F5	56.750	0.000	0.000	0.0000	2
356	D6	1FIL6	18.250	0.000	0.000	0.0000	2
357	1FIL6	F6	56.750	0.000	0.000	0.0000	2
358	D7	1FIL7	18.250	0.000	0.000	0.0000	2
359	1FIL7	F7	56.750	0.000	0.000	0.0000	2
360	D8	1FIL8	18.250	0.000	0.000	0.0000	2
361	1FIL8	F8	56.750	0.000	0.000	0.0000	2
362	D9	1FIL9	18.250	0.000	0.000	0.0000	2
363	1FIL9	F9	56.750	0.000	0.000	0.0000	2
364	D10	1FIL10	18.250	0.000	0.000	0.0000	2
365	1FIL10	F10	56.750	0.000	0.000	0.0000	2
366	D11	1FIL11	18.250	0.000	0.000	0.0000	2
367	1FIL11	F11	56.750	0.000	0.000	0.0000	2
368	D12	1FIL12	18.250	0.000	0.000	0.0000	2
369	1FIL12	F12	56.750	0.000	0.000	0.0000	2
370	D13	1FIL13	18.250	0.000	0.000	0.0000	2
371	1FIL13	F13	56.750	0.000	0.000	0.0000	2
372	D14	1FIL14	18.250	0.000	0.000	0.0000	2
373	1FIL14	F14	56.750	0.000	0.000	0.0000	2
374	D15	1FIL15	18.250	0.000	0.000	0.0000	2
375	1FIL15	F15	56.750	0.000	0.000	0.0000	2
391	F1	2FIL1	24.000	0.000	0.000	0.0000	2
392	2FIL1	G1	24.000	0.000	0.000	0.0000	2
393	F2	2FIL2	24.000	0.000	0.000	0.0000	2
394	2FIL2	G2	24.000	0.000	0.000	0.0000	2
395	F3	2FIL3	24.000	0.000	0.000	0.0000	2
396	2FIL3	G3	24.000	0.000	0.000	0.0000	2
397	F4	2FIL4	24.000	0.000	0.000	0.0000	2
398	2FIL4	G4	24.000	0.000	0.000	0.0000	2
399	F5	2FIL5	24.000	0.000	0.000	0.0000	2
400	2FIL5	G5	24.000	0.000	0.000	0.0000	2
401	F6	2FIL6	24.000	0.000	0.000	0.0000	2
402	2FIL6	G6	24.000	0.000	0.000	0.0000	2
403	F7	2FIL7	24.000	0.000	0.000	0.0000	2
404	2FIL7	G7	24.000	0.000	0.000	0.0000	2
405	F8	2FIL8	24.000	0.000	0.000	0.0000	2
406	2FIL8	G8	24.000	0.000	0.000	0.0000	2
407	F9	2FIL9	24.000	0.000	0.000	0.0000	2
408	2FIL9	G9	24.000	0.000	0.000	0.0000	2
409	F10	2FIL10	24.000	0.000	0.000	0.0000	2
410	2FIL10	G10	24.000	0.000	0.000	0.0000	2
411	F11	2FIL11	24.000	0.000	0.000	0.0000	2
412	2FIL11	G11	24.000	0.000	0.000	0.0000	2
413	F12	2FIL12	24.000	0.000	0.000	0.0000	2
414	2FIL12	G12	24.000	0.000	0.000	0.0000	2
415	F13	2FIL13	24.000	0.000	0.000	0.0000	2
416	2FIL13	G13	24.000	0.000	0.000	0.0000	2
417	F14	2FIL14	24.000	0.000	0.000	0.0000	2
418	2FIL14	G14	24.000	0.000	0.000	0.0000	2
419	F15	2FIL15	24.000	0.000	0.000	0.0000	2
420	2FIL15	G15	24.000	0.000	0.000	0.0000	2
437	H1	3FIL1	24.000	0.000	0.000	0.0000	2
438	3FIL1	I1	24.000	0.000	0.000	0.0000	2
439	H2	3FIL2	24.000	0.000	0.000	0.0000	2
440	3FIL2	I2	24.000	0.000	0.000	0.0000	2
441	H3	3FIL3	24.000	0.000	0.000	0.0000	2
442	3FIL3	I3	24.000	0.000	0.000	0.0000	2

443	H4	3FIL4	24.000	0.000	0.000	0.0000	2
444	3FIL4	I4	24.000	0.000	0.000	0.0000	2
445	H5	3FIL5	24.000	0.000	0.000	0.0000	2
446	3FIL5	I5	24.000	0.000	0.000	0.0000	2
447	H6	3FIL6	24.000	0.000	0.000	0.0000	2
448	3FIL6	I6	24.000	0.000	0.000	0.0000	2
449	H7	3FIL7	24.000	0.000	0.000	0.0000	2
450	3FIL7	I7	24.000	0.000	0.000	0.0000	2
451	H8	3FIL8	24.000	0.000	0.000	0.0000	2
452	3FIL8	I8	24.000	0.000	0.000	0.0000	2
453	H9	3FIL9	24.000	0.000	0.000	0.0000	2
454	3FIL9	I9	24.000	0.000	0.000	0.0000	2
455	H10	3FIL10	24.000	0.000	0.000	0.0000	2
456	3FIL10	I10	24.000	0.000	0.000	0.0000	2
457	H11	3FIL11	24.000	0.000	0.000	0.0000	2
458	3FIL11	I11	24.000	0.000	0.000	0.0000	2
459	H12	3FIL12	24.000	0.000	0.000	0.0000	2
460	3FIL12	I12	24.000	0.000	0.000	0.0000	2
461	H13	3FIL13	24.000	0.000	0.000	0.0000	2
462	3FIL13	I13	24.000	0.000	0.000	0.0000	2
463	H14	3FIL14	24.000	0.000	0.000	0.0000	2
464	3FIL14	I14	24.000	0.000	0.000	0.0000	2
465	H15	3FIL15	24.000	0.000	0.000	0.0000	2
466	3FIL15	I15	24.000	0.000	0.000	0.0000	2
482	J1	4FIL1	24.000	0.000	0.000	0.0000	2
483	4FIL1	K1	24.000	0.000	0.000	0.0000	2
484	J2	4FIL2	24.000	0.000	0.000	0.0000	2
485	4FIL2	K2	24.000	0.000	0.000	0.0000	2
486	J3	4FIL3	24.000	0.000	0.000	0.0000	2
487	4FIL3	K3	24.000	0.000	0.000	0.0000	2
488	J4	4FIL4	24.000	0.000	0.000	0.0000	2
489	4FIL4	K4	24.000	0.000	0.000	0.0000	2
490	J5	4FIL5	24.000	0.000	0.000	0.0000	2
491	4FIL5	K5	24.000	0.000	0.000	0.0000	2
492	J6	4FIL6	24.000	0.000	0.000	0.0000	2
493	4FIL6	K6	24.000	0.000	0.000	0.0000	2
494	J7	4FIL7	24.000	0.000	0.000	0.0000	2
495	4FIL7	K7	24.000	0.000	0.000	0.0000	2
496	J8	4FIL8	24.000	0.000	0.000	0.0000	2
497	4FIL8	K8	24.000	0.000	0.000	0.0000	2
498	J9	4FIL9	24.000	0.000	0.000	0.0000	2
499	4FIL9	K9	24.000	0.000	0.000	0.0000	2
500	J10	4FIL10	24.000	0.000	0.000	0.0000	2
501	4FIL10	K10	24.000	0.000	0.000	0.0000	2
502	J11	4FIL11	24.000	0.000	0.000	0.0000	2
503	4FIL11	K11	24.000	0.000	0.000	0.0000	2
504	J12	4FIL12	24.000	0.000	0.000	0.0000	2
505	4FIL12	K12	24.000	0.000	0.000	0.0000	2
506	J13	4FIL13	24.000	0.000	0.000	0.0000	2
507	4FIL13	K13	24.000	0.000	0.000	0.0000	2
508	J14	4FIL14	24.000	0.000	0.000	0.0000	2
509	4FIL14	K14	24.000	0.000	0.000	0.0000	2
510	J15	4FIL15	24.000	0.000	0.000	0.0000	2
511	4FIL15	K15	24.000	0.000	0.000	0.0000	2
527	M1	5FIL1	10.437	0.000	0.000	0.0000	2
528	5FIL1	N1	4.563	0.000	0.000	0.0000	2
529	M2	5FIL2	10.437	0.000	0.000	0.0000	2
530	5FIL2	N2	4.563	0.000	0.000	0.0000	2
531	M3	5FIL3	10.437	0.000	0.000	0.0000	2
532	5FIL3	N3	4.563	0.000	0.000	0.0000	2
533	M4	5FIL4	10.437	0.000	0.000	0.0000	2
534	5FIL4	N4	4.563	0.000	0.000	0.0000	2
535	M5	5FIL5	10.437	0.000	0.000	0.0000	2

536	5FIL5	N5	4.563	0.000	0.000	0.0000	2
537	M6	5FIL6	10.437	0.000	0.000	0.0000	2
538	5FIL6	N6	4.563	0.000	0.000	0.0000	2
539	M7	5FIL7	10.437	0.000	0.000	0.0000	2
540	5FIL7	N7	4.563	0.000	0.000	0.0000	2
541	M8	5FIL8	10.437	0.000	0.000	0.0000	2
542	5FIL8	N8	4.563	0.000	0.000	0.0000	2
543	M9	5FIL9	10.437	0.000	0.000	0.0000	2
544	5FIL9	N9	4.563	0.000	0.000	0.0000	2
545	M10	5FIL10	10.437	0.000	0.000	0.0000	2
546	5FIL10	N10	4.563	0.000	0.000	0.0000	2
547	M11	5FIL11	10.437	0.000	0.000	0.0000	2
548	5FIL11	N11	4.563	0.000	0.000	0.0000	2
549	M12	5FIL12	10.437	0.000	0.000	0.0000	2
550	5FIL12	N12	4.563	0.000	0.000	0.0000	2
551	M13	5FIL13	10.437	0.000	0.000	0.0000	2
552	5FIL13	N13	4.563	0.000	0.000	0.0000	2
553	M14	5FIL14	10.437	0.000	0.000	0.0000	2
554	5FIL14	N14	4.563	0.000	0.000	0.0000	2
555	M15	5FIL15	10.437	0.000	0.000	0.0000	2
556	5FIL15	N15	4.563	0.000	0.000	0.0000	2

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PROGRAM:SAP2000/FILE:\BentCDLnotrianglarload.EKO

F R A M E E L E M E N T D A T A

ELEMENT LABEL	SECTION LABEL	LOCAL PLANE	COORD SYSTEM	PLN 1ST	PLN 2ND	PLANE JOINTA	PLANE JOINTB	COORD ANGLE
3	2X4X4	12	0	+Z	+X	0	0	0.00
5	4X4	12	0	+Z	+X	0	0	0.00
7	4X4	12	0	+Z	+X	0	0	0.00
8	4X4	12	0	+Z	+X	0	0	0.00
10	4X4	12	0	+Z	+X	0	0	0.00
11	4X4	12	0	+Z	+X	0	0	0.00
13	2X2X4	12	0	+Z	+X	0	0	0.00
14	2X2X4	12	0	+Z	+X	0	0	0.00
15	2X2X4	12	0	+Z	+X	0	0	0.00
16	2X2X4	12	0	+Z	+X	0	0	0.00
17	2X2X4	12	0	+Z	+X	0	0	0.00
18	2X2X4	12	0	+Z	+X	0	0	0.00
19	2X2X4	12	0	+Z	+X	0	0	0.00
20	2X2X4	12	0	+Z	+X	0	0	0.00
21	2X2X4	12	0	+Z	+X	0	0	0.00
23	2X8	12	0	+Z	+X	0	0	0.00
26	2X4X4	12	0	+Z	+X	0	0	0.00
28	4X4	12	0	+Z	+X	0	0	0.00
30	4X4	12	0	+Z	+X	0	0	0.00
31	4X4	12	0	+Z	+X	0	0	0.00
33	4X4	12	0	+Z	+X	0	0	0.00
34	2X2X4	12	0	+Z	+X	0	0	0.00
37	2X2X4	12	0	+Z	+X	0	0	0.00
38	2X2X4	12	0	+Z	+X	0	0	0.00
40	2X2X4	12	0	+Z	+X	0	0	0.00
41	2X2X4	12	0	+Z	+X	0	0	0.00
43	2X2X4	12	0	+Z	+X	0	0	0.00
44	2X2X4	12	0	+Z	+X	0	0	0.00
46	2X2X4	12	0	+Z	+X	0	0	0.00
47	2X2X4	12	0	+Z	+X	0	0	0.00
48	2X8	12	0	+Z	+X	0	0	0.00

51	2X4X4	12	0	+Z	+X	0	0	0.00
53	4X4	12	0	+Z	+X	0	0	0.00
55	4X4	12	0	+Z	+X	0	0	0.00
56	4X4	12	0	+Z	+X	0	0	0.00
58	4X4	12	0	+Z	+X	0	0	0.00
59	2X2X4	12	0	+Z	+X	0	0	0.00
60	2X2X4	12	0	+Z	+X	0	0	0.00
61	2X2X4	12	0	+Z	+X	0	0	0.00
63	2X2X4	12	0	+Z	+X	0	0	0.00
64	2X2X4	12	0	+Z	+X	0	0	0.00
66	2X2X4	12	0	+Z	+X	0	0	0.00
67	2X2X4	12	0	+Z	+X	0	0	0.00
69	2X2X4	12	0	+Z	+X	0	0	0.00
70	2X2X4	12	0	+Z	+X	0	0	0.00
71	2X8	12	0	+Z	+X	0	0	0.00
74	2X4X4	12	0	+Z	+X	0	0	0.00
76	4X4	12	0	+Z	+X	0	0	0.00
78	4X4	12	0	+Z	+X	0	0	0.00
79	4X4	12	0	+Z	+X	0	0	0.00
81	4X4	12	0	+Z	+X	0	0	0.00
84	2X2X4	12	0	+Z	+X	0	0	0.00
85	2X2X4	12	0	+Z	+X	0	0	0.00
86	2X2X4	12	0	+Z	+X	0	0	0.00
88	2X2X4	12	0	+Z	+X	0	0	0.00
89	2X2X4	12	0	+Z	+X	0	0	0.00
90	2X2X4	12	0	+Z	+X	0	0	0.00
91	2X2X4	12	0	+Z	+X	0	0	0.00
92	2X2X4	12	0	+Z	+X	0	0	0.00
93	2X2X4	12	0	+Z	+X	0	0	0.00
94	2X8	12	0	+Z	+X	0	0	0.00
99	2X4X4	12	0	+Z	+X	0	0	0.00
101	4X4	12	0	+Z	+X	0	0	0.00
103	4X4	12	0	+Z	+X	0	0	0.00
104	4X4	12	0	+Z	+X	0	0	0.00
106	4X4	12	0	+Z	+X	0	0	0.00
107	2X2X4	12	0	+Z	+X	0	0	0.00
110	2X2X4	12	0	+Z	+X	0	0	0.00
111	2X2X4	12	0	+Z	+X	0	0	0.00
113	2X2X4	12	0	+Z	+X	0	0	0.00
114	2X2X4	12	0	+Z	+X	0	0	0.00
115	2X2X4	12	0	+Z	+X	0	0	0.00
116	2X2X4	12	0	+Z	+X	0	0	0.00
118	2X2X4	12	0	+Z	+X	0	0	0.00
119	2X2X4	12	0	+Z	+X	0	0	0.00
120	2X8	12	0	+Z	+X	0	0	0.00
123	2X4X4	12	0	+Z	+X	0	0	0.00
125	4X4	12	0	+Z	+X	0	0	0.00
127	4X4	12	0	+Z	+X	0	0	0.00
128	4X4	12	0	+Z	+X	0	0	0.00
130	4X4	12	0	+Z	+X	0	0	0.00
132	2X2X4	12	0	+Z	+X	0	0	0.00
134	2X2X4	12	0	+Z	+X	0	0	0.00
135	2X2X4	12	0	+Z	+X	0	0	0.00
137	2X2X4	12	0	+Z	+X	0	0	0.00
138	2X2X4	12	0	+Z	+X	0	0	0.00
140	2X2X4	12	0	+Z	+X	0	0	0.00
141	2X2X4	12	0	+Z	+X	0	0	0.00
142	2X2X4	12	0	+Z	+X	0	0	0.00
143	2X2X4	12	0	+Z	+X	0	0	0.00
145	2X8	12	0	+Z	+X	0	0	0.00
148	2X4X4	12	0	+Z	+X	0	0	0.00
150	4X4	12	0	+Z	+X	0	0	0.00
152	4X4	12	0	+Z	+X	0	0	0.00

153	4X4	12	0	+Z	+X	0	0	0.00
155	4X4	12	0	+Z	+X	0	0	0.00
156	4X4	12	0	+Z	+X	0	0	0.00
158	2X2X4	12	0	+Z	+X	0	0	0.00
159	2X2X4	12	0	+Z	+X	0	0	0.00
160	2X2X4	12	0	+Z	+X	0	0	0.00
161	2X2X4	12	0	+Z	+X	0	0	0.00
162	2X2X4	12	0	+Z	+X	0	0	0.00
163	2X2X4	12	0	+Z	+X	0	0	0.00
164	2X2X4	12	0	+Z	+X	0	0	0.00
165	2X2X4	12	0	+Z	+X	0	0	0.00
166	2X2X4	12	0	+Z	+X	0	0	0.00
167	2X8	12	0	+Z	+X	0	0	0.00
170	2X4X4	12	0	+Z	+X	0	0	0.00
172	4X4	12	0	+Z	+X	0	0	0.00
174	4X4	12	0	+Z	+X	0	0	0.00
175	4X4	12	0	+Z	+X	0	0	0.00
177	4X4	12	0	+Z	+X	0	0	0.00
179	2X2X4	12	0	+Z	+X	0	0	0.00
180	2X2X4	12	0	+Z	+X	0	0	0.00
181	2X2X4	12	0	+Z	+X	0	0	0.00
182	2X2X4	12	0	+Z	+X	0	0	0.00
183	2X2X4	12	0	+Z	+X	0	0	0.00
184	2X2X4	12	0	+Z	+X	0	0	0.00
185	2X2X4	12	0	+Z	+X	0	0	0.00
186	2X2X4	12	0	+Z	+X	0	0	0.00
187	2X2X4	12	0	+Z	+X	0	0	0.00
188	2X8	12	0	+Z	+X	0	0	0.00
191	2X4X4	12	0	+Z	+X	0	0	0.00
193	4X4	12	0	+Z	+X	0	0	0.00
195	4X4	12	0	+Z	+X	0	0	0.00
196	4X4	12	0	+Z	+X	0	0	0.00
198	4X4	12	0	+Z	+X	0	0	0.00
199	4X4	12	0	+Z	+X	0	0	0.00
201	2X2X4	12	0	+Z	+X	0	0	0.00
204	2X2X4	12	0	+Z	+X	0	0	0.00
205	2X2X4	12	0	+Z	+X	0	0	0.00
207	2X2X4	12	0	+Z	+X	0	0	0.00
208	2X2X4	12	0	+Z	+X	0	0	0.00
210	2X2X4	12	0	+Z	+X	0	0	0.00
211	2X2X4	12	0	+Z	+X	0	0	0.00
212	2X2X4	12	0	+Z	+X	0	0	0.00
213	2X2X4	12	0	+Z	+X	0	0	0.00
215	2X8	12	0	+Z	+X	0	0	0.00
218	2X4X4	12	0	+Z	+X	0	0	0.00
220	4X4	12	0	+Z	+X	0	0	0.00
222	4X4	12	0	+Z	+X	0	0	0.00
223	4X4	12	0	+Z	+X	0	0	0.00
225	4X4	12	0	+Z	+X	0	0	0.00
226	2X2X4	12	0	+Z	+X	0	0	0.00
228	2X2X4	12	0	+Z	+X	0	0	0.00
229	2X2X4	12	0	+Z	+X	0	0	0.00
231	2X2X4	12	0	+Z	+X	0	0	0.00
232	2X2X4	12	0	+Z	+X	0	0	0.00
233	2X2X4	12	0	+Z	+X	0	0	0.00
234	2X2X4	12	0	+Z	+X	0	0	0.00
236	2X2X4	12	0	+Z	+X	0	0	0.00
237	2X2X4	12	0	+Z	+X	0	0	0.00
238	2X8	12	0	+Z	+X	0	0	0.00
241	2X4X4	12	0	+Z	+X	0	0	0.00
243	4X4	12	0	+Z	+X	0	0	0.00
245	4X4	12	0	+Z	+X	0	0	0.00
246	4X4	12	0	+Z	+X	0	0	0.00

248	4X4	12	0	+Z	+X	0	0	0.00
251	2X2X4	12	0	+Z	+X	0	0	0.00
252	2X2X4	12	0	+Z	+X	0	0	0.00
253	2X2X4	12	0	+Z	+X	0	0	0.00
255	2X2X4	12	0	+Z	+X	0	0	0.00
256	2X2X4	12	0	+Z	+X	0	0	0.00
257	2X2X4	12	0	+Z	+X	0	0	0.00
258	2X2X4	12	0	+Z	+X	0	0	0.00
259	2X2X4	12	0	+Z	+X	0	0	0.00
260	2X2X4	12	0	+Z	+X	0	0	0.00
261	2X8	12	0	+Z	+X	0	0	0.00
266	2X4X4	12	0	+Z	+X	0	0	0.00
268	4X4	12	0	+Z	+X	0	0	0.00
270	4X4	12	0	+Z	+X	0	0	0.00
271	4X4	12	0	+Z	+X	0	0	0.00
273	4X4	12	0	+Z	+X	0	0	0.00
274	2X2X4	12	0	+Z	+X	0	0	0.00
275	2X2X4	12	0	+Z	+X	0	0	0.00
276	2X2X4	12	0	+Z	+X	0	0	0.00
278	2X2X4	12	0	+Z	+X	0	0	0.00
279	2X2X4	12	0	+Z	+X	0	0	0.00
281	2X2X4	12	0	+Z	+X	0	0	0.00
282	2X2X4	12	0	+Z	+X	0	0	0.00
284	2X2X4	12	0	+Z	+X	0	0	0.00
285	2X2X4	12	0	+Z	+X	0	0	0.00
286	2X8	12	0	+Z	+X	0	0	0.00
289	2X4X4	12	0	+Z	+X	0	0	0.00
291	4X4	12	0	+Z	+X	0	0	0.00
293	4X4	12	0	+Z	+X	0	0	0.00
294	4X4	12	0	+Z	+X	0	0	0.00
296	4X4	12	0	+Z	+X	0	0	0.00
297	2X2X4	12	0	+Z	+X	0	0	0.00
300	2X2X4	12	0	+Z	+X	0	0	0.00
301	2X2X4	12	0	+Z	+X	0	0	0.00
303	2X2X4	12	0	+Z	+X	0	0	0.00
304	2X2X4	12	0	+Z	+X	0	0	0.00
306	2X2X4	12	0	+Z	+X	0	0	0.00
307	2X2X4	12	0	+Z	+X	0	0	0.00
309	2X2X4	12	0	+Z	+X	0	0	0.00
310	2X2X4	12	0	+Z	+X	0	0	0.00
311	2X8	12	0	+Z	+X	0	0	0.00
314	2X4X4	12	0	+Z	+X	0	0	0.00
316	4X4	12	0	+Z	+X	0	0	0.00
318	4X4	12	0	+Z	+X	0	0	0.00
319	4X4	12	0	+Z	+X	0	0	0.00
321	4X4	12	0	+Z	+X	0	0	0.00
323	2X2X4	12	0	+Z	+X	0	0	0.00
324	2X2X4	12	0	+Z	+X	0	0	0.00
325	2X2X4	12	0	+Z	+X	0	0	0.00
326	2X2X4	12	0	+Z	+X	0	0	0.00
327	2X2X4	12	0	+Z	+X	0	0	0.00
328	2X2X4	12	0	+Z	+X	0	0	0.00
329	2X2X4	12	0	+Z	+X	0	0	0.00
330	2X2X4	12	0	+Z	+X	0	0	0.00
331	2X2X4	12	0	+Z	+X	0	0	0.00
333	2X8	12	0	+Z	+X	0	0	0.00
336	2X4X4	12	0	+Z	+X	0	0	0.00
338	4X4	12	0	+Z	+X	0	0	0.00
340	4X4	12	0	+Z	+X	0	0	0.00
341	4X4	12	0	+Z	+X	0	0	0.00
343	4X4	12	0	+Z	+X	0	0	0.00
344	4X4	12	0	+Z	+X	0	0	0.00
346	2X4X4	12	0	+Z	+X	0	0	0.00

347	2X4X4	12	0	+Z	+X	0	0	0.00
348	2X4X4	12	0	+Z	+X	0	0	0.00
349	2X4X4	12	0	+Z	+X	0	0	0.00
350	2X4X4	12	0	+Z	+X	0	0	0.00
351	2X4X4	12	0	+Z	+X	0	0	0.00
352	2X4X4	12	0	+Z	+X	0	0	0.00
353	2X4X4	12	0	+Z	+X	0	0	0.00
354	2X4X4	12	0	+Z	+X	0	0	0.00
355	2X4X4	12	0	+Z	+X	0	0	0.00
356	2X4X4	12	0	+Z	+X	0	0	0.00
357	2X4X4	12	0	+Z	+X	0	0	0.00
358	2X4X4	12	0	+Z	+X	0	0	0.00
359	2X4X4	12	0	+Z	+X	0	0	0.00
360	2X4X4	12	0	+Z	+X	0	0	0.00
361	2X4X4	12	0	+Z	+X	0	0	0.00
362	2X4X4	12	0	+Z	+X	0	0	0.00
363	2X4X4	12	0	+Z	+X	0	0	0.00
364	2X4X4	12	0	+Z	+X	0	0	0.00
365	2X4X4	12	0	+Z	+X	0	0	0.00
366	2X4X4	12	0	+Z	+X	0	0	0.00
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417	2X4X4	12	0	+Z	+X	0	0	0.00
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556	4X4	12	0	+Z	+X	0	0	0.00

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 19
PROGRAM:SAP2000/FILE:\BentCDLnotrianglarload.EKO

F R A M E E L E M E N T D A T A

ELEMENT LABEL	END-I RELEASE CODES		END-J RELEASE CODES	
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531	R2	R3	R2	R3

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     540                      R2  R3                      R2  R3
     541                      R2  R3                      R2  R3
     542                      R2  R3                      R2  R3
     543                      R2  R3                      R2  R3
     544                      R2  R3                      R2  R3
     545                      R2  R3                      R2  R3
     546                      R2  R3                      R2  R3
     547                      R2  R3                      R2  R3
     548                      R2  R3                      R2  R3
     549                      R2  R3                      R2  R3
     550                      R2  R3                      R2  R3
     551                      R2  R3                      R2  R3
     552                      R2  R3                      R2  R3
     553                      R2  R3                      R2  R3
     554                      R2  R3                      R2  R3
     555                      R2  R3                      R2  R3
     556                      R2  R3                      R2  R3
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C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE   20
                            PROGRAM:SAP2000/FILE:\BentCDLnotrianglarload.EKO

 T O T A L   W E I G H T S   A N D   M A S S E S

 SECTION        WEIGHT          MASS
   LABEL

     4X4     1152.3881        2.9856
   2X2X4     1762.2360        4.5656
     2X8      202.7970        0.5254
   2X4X4     1162.5863        3.0120

   TOTAL     4280.0074       11.0887
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C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE   21
                            PROGRAM:SAP2000/FILE:\BentCDLnotrianglarload.EKO

 L O A D   C O N D I T I O N       DEAD

 SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.1000E+01

 L O A D   C O N D I T I O N   MANIFOLD

 SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

 JOINT FORCES IN LOCAL COORDINATES

   JOINT      FORCE      FORCE      FORCE     MOMENT     MOMENT     MOMENT
   LABEL          1          2          3          1          2          3

      N1  0.000E+00  0.000E+00 -0.189E+04  0.000E+00  0.000E+00  0.000E+00
      N2  0.000E+00  0.000E+00 -0.379E+04  0.000E+00  0.000E+00  0.000E+00
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N3	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N4	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N5	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N6	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N7	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N8	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N9	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N10	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N11	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N12	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N13	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N14	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N15	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N TBAR

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
1FIL1	0.000E+00	0.000E+00	-0.220E+02	0.000E+00	0.000E+00	0.000E+00
1FIL2	0.000E+00	0.000E+00	-0.450E+02	0.000E+00	0.000E+00	0.000E+00
1FIL3	0.000E+00	0.000E+00	-0.450E+02	0.000E+00	0.000E+00	0.000E+00
1FIL4	0.000E+00	0.000E+00	-0.450E+02	0.000E+00	0.000E+00	0.000E+00
1FIL5	0.000E+00	0.000E+00	-0.450E+02	0.000E+00	0.000E+00	0.000E+00
1FIL6	0.000E+00	0.000E+00	-0.450E+02	0.000E+00	0.000E+00	0.000E+00
1FIL7	0.000E+00	0.000E+00	-0.450E+02	0.000E+00	0.000E+00	0.000E+00
1FIL8	0.000E+00	0.000E+00	-0.450E+02	0.000E+00	0.000E+00	0.000E+00
1FIL9	0.000E+00	0.000E+00	-0.450E+02	0.000E+00	0.000E+00	0.000E+00
2FIL1	0.000E+00	0.000E+00	-0.119E+03	0.000E+00	0.000E+00	0.000E+00
2FIL2	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
2FIL3	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
2FIL4	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
2FIL5	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
2FIL6	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
2FIL7	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
2FIL8	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
2FIL9	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
3FIL1	0.000E+00	0.000E+00	-0.197E+03	0.000E+00	0.000E+00	0.000E+00
3FIL2	0.000E+00	0.000E+00	-0.395E+03	0.000E+00	0.000E+00	0.000E+00
3FIL3	0.000E+00	0.000E+00	-0.395E+03	0.000E+00	0.000E+00	0.000E+00
3FIL4	0.000E+00	0.000E+00	-0.395E+03	0.000E+00	0.000E+00	0.000E+00
3FIL5	0.000E+00	0.000E+00	-0.395E+03	0.000E+00	0.000E+00	0.000E+00
3FIL6	0.000E+00	0.000E+00	-0.395E+03	0.000E+00	0.000E+00	0.000E+00
3FIL7	0.000E+00	0.000E+00	-0.395E+03	0.000E+00	0.000E+00	0.000E+00
3FIL8	0.000E+00	0.000E+00	-0.395E+03	0.000E+00	0.000E+00	0.000E+00
3FIL9	0.000E+00	0.000E+00	-0.395E+03	0.000E+00	0.000E+00	0.000E+00
4FIL1	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
4FIL2	0.000E+00	0.000E+00	-0.567E+03	0.000E+00	0.000E+00	0.000E+00
4FIL3	0.000E+00	0.000E+00	-0.567E+03	0.000E+00	0.000E+00	0.000E+00
4FIL4	0.000E+00	0.000E+00	-0.567E+03	0.000E+00	0.000E+00	0.000E+00
4FIL5	0.000E+00	0.000E+00	-0.567E+03	0.000E+00	0.000E+00	0.000E+00
4FIL6	0.000E+00	0.000E+00	-0.567E+03	0.000E+00	0.000E+00	0.000E+00
4FIL7	0.000E+00	0.000E+00	-0.567E+03	0.000E+00	0.000E+00	0.000E+00
4FIL8	0.000E+00	0.000E+00	-0.567E+03	0.000E+00	0.000E+00	0.000E+00
4FIL9	0.000E+00	0.000E+00	-0.567E+03	0.000E+00	0.000E+00	0.000E+00
5FIL1	0.000E+00	0.000E+00	-0.222E+03	0.000E+00	0.000E+00	0.000E+00
5FIL2	0.000E+00	0.000E+00	-0.445E+03	0.000E+00	0.000E+00	0.000E+00
5FIL3	0.000E+00	0.000E+00	-0.445E+03	0.000E+00	0.000E+00	0.000E+00
5FIL4	0.000E+00	0.000E+00	-0.445E+03	0.000E+00	0.000E+00	0.000E+00

5FIL5	0.000E+00	0.000E+00	-0.445E+03	0.000E+00	0.000E+00	0.000E+00
5FIL6	0.000E+00	0.000E+00	-0.445E+03	0.000E+00	0.000E+00	0.000E+00
5FIL7	0.000E+00	0.000E+00	-0.445E+03	0.000E+00	0.000E+00	0.000E+00
5FIL8	0.000E+00	0.000E+00	-0.445E+03	0.000E+00	0.000E+00	0.000E+00
5FIL9	0.000E+00	0.000E+00	-0.445E+03	0.000E+00	0.000E+00	0.000E+00
1FIL10	0.000E+00	0.000E+00	-0.450E+02	0.000E+00	0.000E+00	0.000E+00
1FIL11	0.000E+00	0.000E+00	-0.450E+02	0.000E+00	0.000E+00	0.000E+00
1FIL12	0.000E+00	0.000E+00	-0.450E+02	0.000E+00	0.000E+00	0.000E+00
1FIL13	0.000E+00	0.000E+00	-0.450E+02	0.000E+00	0.000E+00	0.000E+00
1FIL14	0.000E+00	0.000E+00	-0.450E+02	0.000E+00	0.000E+00	0.000E+00
1FIL15	0.000E+00	0.000E+00	-0.450E+02	0.000E+00	0.000E+00	0.000E+00
2FIL10	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
2FIL11	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
2FIL12	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
2FIL13	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
2FIL14	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
2FIL15	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
3FIL10	0.000E+00	0.000E+00	-0.395E+03	0.000E+00	0.000E+00	0.000E+00
3FIL11	0.000E+00	0.000E+00	-0.395E+03	0.000E+00	0.000E+00	0.000E+00
3FIL12	0.000E+00	0.000E+00	-0.395E+03	0.000E+00	0.000E+00	0.000E+00
3FIL13	0.000E+00	0.000E+00	-0.395E+03	0.000E+00	0.000E+00	0.000E+00
3FIL14	0.000E+00	0.000E+00	-0.395E+03	0.000E+00	0.000E+00	0.000E+00
3FIL15	0.000E+00	0.000E+00	-0.395E+03	0.000E+00	0.000E+00	0.000E+00
4FIL10	0.000E+00	0.000E+00	-0.567E+03	0.000E+00	0.000E+00	0.000E+00
4FIL11	0.000E+00	0.000E+00	-0.567E+03	0.000E+00	0.000E+00	0.000E+00
4FIL12	0.000E+00	0.000E+00	-0.567E+03	0.000E+00	0.000E+00	0.000E+00
4FIL13	0.000E+00	0.000E+00	-0.567E+03	0.000E+00	0.000E+00	0.000E+00
4FIL14	0.000E+00	0.000E+00	-0.567E+03	0.000E+00	0.000E+00	0.000E+00
4FIL15	0.000E+00	0.000E+00	-0.567E+03	0.000E+00	0.000E+00	0.000E+00
5FIL10	0.000E+00	0.000E+00	-0.445E+03	0.000E+00	0.000E+00	0.000E+00
5FIL11	0.000E+00	0.000E+00	-0.445E+03	0.000E+00	0.000E+00	0.000E+00
5FIL12	0.000E+00	0.000E+00	-0.445E+03	0.000E+00	0.000E+00	0.000E+00
5FIL13	0.000E+00	0.000E+00	-0.445E+03	0.000E+00	0.000E+00	0.000E+00
5FIL14	0.000E+00	0.000E+00	-0.445E+03	0.000E+00	0.000E+00	0.000E+00
5FIL15	0.000E+00	0.000E+00	-0.445E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N TOPCOVER

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
P1	0.000E+00	0.000E+00	-0.101E+04	0.000E+00	0.000E+00	0.000E+00
P2	0.000E+00	0.000E+00	-0.203E+04	0.000E+00	0.000E+00	0.000E+00
P3	0.000E+00	0.000E+00	-0.203E+04	0.000E+00	0.000E+00	0.000E+00
P4	0.000E+00	0.000E+00	-0.203E+04	0.000E+00	0.000E+00	0.000E+00
P5	0.000E+00	0.000E+00	-0.203E+04	0.000E+00	0.000E+00	0.000E+00
P6	0.000E+00	0.000E+00	-0.203E+04	0.000E+00	0.000E+00	0.000E+00
P7	0.000E+00	0.000E+00	-0.203E+04	0.000E+00	0.000E+00	0.000E+00
P8	0.000E+00	0.000E+00	-0.203E+04	0.000E+00	0.000E+00	0.000E+00
P9	0.000E+00	0.000E+00	-0.203E+04	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.203E+04	0.000E+00	0.000E+00	0.000E+00
P11	0.000E+00	0.000E+00	-0.203E+04	0.000E+00	0.000E+00	0.000E+00
P12	0.000E+00	0.000E+00	-0.203E+04	0.000E+00	0.000E+00	0.000E+00
P13	0.000E+00	0.000E+00	-0.203E+04	0.000E+00	0.000E+00	0.000E+00
P14	0.000E+00	0.000E+00	-0.203E+04	0.000E+00	0.000E+00	0.000E+00
P15	0.000E+00	0.000E+00	-0.203E+04	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N PEWALLS

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
D1	0.000E+00	0.000E+00	-0.470E+02	0.000E+00	0.000E+00	0.000E+00
D8	0.000E+00	0.000E+00	-0.111E+03	0.000E+00	0.000E+00	0.000E+00
F1	0.000E+00	0.000E+00	-0.770E+02	0.000E+00	0.000E+00	0.000E+00
F8	0.000E+00	0.000E+00	-0.181E+03	0.000E+00	0.000E+00	0.000E+00
G1	0.000E+00	0.000E+00	-0.600E+02	0.000E+00	0.000E+00	0.000E+00
G8	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
H1	0.000E+00	0.000E+00	-0.600E+02	0.000E+00	0.000E+00	0.000E+00
H8	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
I1	0.000E+00	0.000E+00	-0.820E+02	0.000E+00	0.000E+00	0.000E+00
I8	0.000E+00	0.000E+00	-0.194E+03	0.000E+00	0.000E+00	0.000E+00
J1	0.000E+00	0.000E+00	-0.105E+03	0.000E+00	0.000E+00	0.000E+00
J8	0.000E+00	0.000E+00	-0.247E+03	0.000E+00	0.000E+00	0.000E+00
K1	0.000E+00	0.000E+00	-0.127E+03	0.000E+00	0.000E+00	0.000E+00
K8	0.000E+00	0.000E+00	-0.300E+03	0.000E+00	0.000E+00	0.000E+00
L1	0.000E+00	0.000E+00	-0.149E+03	0.000E+00	0.000E+00	0.000E+00
L8	0.000E+00	0.000E+00	-0.352E+03	0.000E+00	0.000E+00	0.000E+00
M1	0.000E+00	0.000E+00	-0.113E+03	0.000E+00	0.000E+00	0.000E+00
M8	0.000E+00	0.000E+00	-0.266E+03	0.000E+00	0.000E+00	0.000E+00
N1	0.000E+00	0.000E+00	-0.184E+03	0.000E+00	0.000E+00	0.000E+00
P1	0.000E+00	0.000E+00	-0.190E+03	0.000E+00	0.000E+00	0.000E+00
D15	0.000E+00	0.000E+00	-0.111E+03	0.000E+00	0.000E+00	0.000E+00
F15	0.000E+00	0.000E+00	-0.181E+03	0.000E+00	0.000E+00	0.000E+00
G15	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
H15	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
I15	0.000E+00	0.000E+00	-0.194E+03	0.000E+00	0.000E+00	0.000E+00
J15	0.000E+00	0.000E+00	-0.247E+03	0.000E+00	0.000E+00	0.000E+00
K15	0.000E+00	0.000E+00	-0.300E+03	0.000E+00	0.000E+00	0.000E+00
L15	0.000E+00	0.000E+00	-0.352E+03	0.000E+00	0.000E+00	0.000E+00
M15	0.000E+00	0.000E+00	-0.266E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N HOTBASIN

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
N1	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N2	0.000E+00	0.000E+00	-0.166E+04	0.000E+00	0.000E+00	0.000E+00
N3	0.000E+00	0.000E+00	-0.166E+04	0.000E+00	0.000E+00	0.000E+00
N4	0.000E+00	0.000E+00	-0.166E+04	0.000E+00	0.000E+00	0.000E+00
N5	0.000E+00	0.000E+00	-0.166E+04	0.000E+00	0.000E+00	0.000E+00
N6	0.000E+00	0.000E+00	-0.166E+04	0.000E+00	0.000E+00	0.000E+00
N7	0.000E+00	0.000E+00	-0.166E+04	0.000E+00	0.000E+00	0.000E+00
N8	0.000E+00	0.000E+00	-0.166E+04	0.000E+00	0.000E+00	0.000E+00
N9	0.000E+00	0.000E+00	-0.166E+04	0.000E+00	0.000E+00	0.000E+00
N10	0.000E+00	0.000E+00	-0.166E+04	0.000E+00	0.000E+00	0.000E+00
N11	0.000E+00	0.000E+00	-0.166E+04	0.000E+00	0.000E+00	0.000E+00
N12	0.000E+00	0.000E+00	-0.166E+04	0.000E+00	0.000E+00	0.000E+00
N13	0.000E+00	0.000E+00	-0.166E+04	0.000E+00	0.000E+00	0.000E+00
N14	0.000E+00	0.000E+00	-0.166E+04	0.000E+00	0.000E+00	0.000E+00
N15	0.000E+00	0.000E+00	-0.166E+04	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N DRIFTELM

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

L O A D C O N D I T I O N FANMOTOR

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
P4	0.000E+00	0.000E+00	-0.421E+03	0.000E+00	0.000E+00	0.000E+00
P5	0.000E+00	0.000E+00	-0.421E+03	0.000E+00	0.000E+00	0.000E+00
P11	0.000E+00	0.000E+00	-0.421E+03	0.000E+00	0.000E+00	0.000E+00
P12	0.000E+00	0.000E+00	-0.421E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N CABLETRY

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
H1	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
J1	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
L1	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
M1	0.000E+00	0.000E+00	-0.204E+03	0.000E+00	0.000E+00	0.000E+00
P1	0.000E+00	0.000E+00	-0.270E+03	0.000E+00	0.000E+00	0.000E+00
P2	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
P3	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
P4	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
P5	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
P6	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
P7	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
P8	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
P9	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
P11	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
P12	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
P13	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
P14	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
P15	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
2FIL1	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
3FIL1	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
4FIL1	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
5FIL1	0.000E+00	0.000E+00	-0.308E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N LOUVERWL

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
D1	0.000E+00	0.000E+00	-0.570E+02	0.000E+00	0.000E+00	0.000E+00
D2	0.000E+00	0.000E+00	-0.113E+03	0.000E+00	0.000E+00	0.000E+00
D3	0.000E+00	0.000E+00	-0.113E+03	0.000E+00	0.000E+00	0.000E+00
D4	0.000E+00	0.000E+00	-0.113E+03	0.000E+00	0.000E+00	0.000E+00

D5	0.000E+00	0.000E+00	-0.113E+03	0.000E+00	0.000E+00	0.000E+00
D6	0.000E+00	0.000E+00	-0.113E+03	0.000E+00	0.000E+00	0.000E+00
D7	0.000E+00	0.000E+00	-0.113E+03	0.000E+00	0.000E+00	0.000E+00
D8	0.000E+00	0.000E+00	-0.113E+03	0.000E+00	0.000E+00	0.000E+00
D9	0.000E+00	0.000E+00	-0.113E+03	0.000E+00	0.000E+00	0.000E+00
F1	0.000E+00	0.000E+00	-0.930E+02	0.000E+00	0.000E+00	0.000E+00
F2	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
F3	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
F4	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
F5	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
F6	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
F7	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
F8	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
F9	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
G1	0.000E+00	0.000E+00	-0.720E+02	0.000E+00	0.000E+00	0.000E+00
G2	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
G3	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
G4	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
G5	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
G6	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
G7	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
G8	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
G9	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
D10	0.000E+00	0.000E+00	-0.113E+03	0.000E+00	0.000E+00	0.000E+00
D11	0.000E+00	0.000E+00	-0.113E+03	0.000E+00	0.000E+00	0.000E+00
D12	0.000E+00	0.000E+00	-0.113E+03	0.000E+00	0.000E+00	0.000E+00
D13	0.000E+00	0.000E+00	-0.113E+03	0.000E+00	0.000E+00	0.000E+00
D14	0.000E+00	0.000E+00	-0.113E+03	0.000E+00	0.000E+00	0.000E+00
D15	0.000E+00	0.000E+00	-0.113E+03	0.000E+00	0.000E+00	0.000E+00
F10	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
F11	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
F12	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
F13	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
F14	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
F15	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
G10	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
G11	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
G12	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
G13	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
G14	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
G15	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N SECDIST

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
N3	0.000E+00	0.000E+00	-0.108E+04	0.000E+00	0.000E+00	0.000E+00
N4	0.000E+00	0.000E+00	-0.596E+03	0.000E+00	0.000E+00	0.000E+00
N5	0.000E+00	0.000E+00	-0.390E+03	0.000E+00	0.000E+00	0.000E+00
N6	0.000E+00	0.000E+00	-0.471E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N ANGLEWAL

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT	FORCE	FORCE	FORCE	MOMENT	MOMENT	MOMENT

LABEL	1	2	3	1	2	3
I1	0.000E+00	0.000E+00	-0.900E+01	0.000E+00	0.000E+00	0.000E+00
I2	0.000E+00	0.000E+00	-0.900E+01	0.000E+00	0.000E+00	0.000E+00
I3	0.000E+00	0.000E+00	-0.900E+01	0.000E+00	0.000E+00	0.000E+00
I4	0.000E+00	0.000E+00	-0.900E+01	0.000E+00	0.000E+00	0.000E+00
I5	0.000E+00	0.000E+00	-0.900E+01	0.000E+00	0.000E+00	0.000E+00
I6	0.000E+00	0.000E+00	-0.900E+01	0.000E+00	0.000E+00	0.000E+00
I7	0.000E+00	0.000E+00	-0.900E+01	0.000E+00	0.000E+00	0.000E+00
I8	0.000E+00	0.000E+00	-0.900E+01	0.000E+00	0.000E+00	0.000E+00
I9	0.000E+00	0.000E+00	-0.900E+01	0.000E+00	0.000E+00	0.000E+00
J1	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
J2	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
J3	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
J4	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
J5	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
J6	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
J7	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
J8	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
J9	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
K1	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
K2	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
K3	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
K4	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
K5	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
K6	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
K7	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
K8	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
K9	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
L1	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
L2	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
L3	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
L4	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
L5	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
L6	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
L7	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
L8	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
L9	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
M1	0.000E+00	0.000E+00	-0.350E+02	0.000E+00	0.000E+00	0.000E+00
M2	0.000E+00	0.000E+00	-0.350E+02	0.000E+00	0.000E+00	0.000E+00
M3	0.000E+00	0.000E+00	-0.350E+02	0.000E+00	0.000E+00	0.000E+00
M4	0.000E+00	0.000E+00	-0.350E+02	0.000E+00	0.000E+00	0.000E+00
M5	0.000E+00	0.000E+00	-0.350E+02	0.000E+00	0.000E+00	0.000E+00
M6	0.000E+00	0.000E+00	-0.350E+02	0.000E+00	0.000E+00	0.000E+00
M7	0.000E+00	0.000E+00	-0.350E+02	0.000E+00	0.000E+00	0.000E+00
M8	0.000E+00	0.000E+00	-0.350E+02	0.000E+00	0.000E+00	0.000E+00
M9	0.000E+00	0.000E+00	-0.350E+02	0.000E+00	0.000E+00	0.000E+00
N1	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
N2	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
N3	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
N4	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
N5	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
N6	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
N7	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
N8	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
N9	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
P1	0.000E+00	0.000E+00	-0.380E+02	0.000E+00	0.000E+00	0.000E+00
P2	0.000E+00	0.000E+00	-0.380E+02	0.000E+00	0.000E+00	0.000E+00
P3	0.000E+00	0.000E+00	-0.380E+02	0.000E+00	0.000E+00	0.000E+00
P4	0.000E+00	0.000E+00	-0.380E+02	0.000E+00	0.000E+00	0.000E+00
P5	0.000E+00	0.000E+00	-0.380E+02	0.000E+00	0.000E+00	0.000E+00
P6	0.000E+00	0.000E+00	-0.380E+02	0.000E+00	0.000E+00	0.000E+00
P7	0.000E+00	0.000E+00	-0.380E+02	0.000E+00	0.000E+00	0.000E+00

P8	0.000E+00	0.000E+00	-0.380E+02	0.000E+00	0.000E+00	0.000E+00
P9	0.000E+00	0.000E+00	-0.380E+02	0.000E+00	0.000E+00	0.000E+00
I10	0.000E+00	0.000E+00	-0.900E+01	0.000E+00	0.000E+00	0.000E+00
I11	0.000E+00	0.000E+00	-0.900E+01	0.000E+00	0.000E+00	0.000E+00
I12	0.000E+00	0.000E+00	-0.900E+01	0.000E+00	0.000E+00	0.000E+00
I13	0.000E+00	0.000E+00	-0.900E+01	0.000E+00	0.000E+00	0.000E+00
I14	0.000E+00	0.000E+00	-0.900E+01	0.000E+00	0.000E+00	0.000E+00
I15	0.000E+00	0.000E+00	-0.900E+01	0.000E+00	0.000E+00	0.000E+00
J10	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
J11	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
J12	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
J13	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
J14	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
J15	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
K10	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
K11	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
K12	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
K13	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
K14	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
K15	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
L10	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
L11	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
L12	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
L13	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
L14	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
L15	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
M10	0.000E+00	0.000E+00	-0.350E+02	0.000E+00	0.000E+00	0.000E+00
M11	0.000E+00	0.000E+00	-0.350E+02	0.000E+00	0.000E+00	0.000E+00
M12	0.000E+00	0.000E+00	-0.350E+02	0.000E+00	0.000E+00	0.000E+00
M13	0.000E+00	0.000E+00	-0.350E+02	0.000E+00	0.000E+00	0.000E+00
M14	0.000E+00	0.000E+00	-0.350E+02	0.000E+00	0.000E+00	0.000E+00
M15	0.000E+00	0.000E+00	-0.350E+02	0.000E+00	0.000E+00	0.000E+00
N10	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
N11	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
N12	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
N13	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
N14	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
N15	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.380E+02	0.000E+00	0.000E+00	0.000E+00
P11	0.000E+00	0.000E+00	-0.380E+02	0.000E+00	0.000E+00	0.000E+00
P12	0.000E+00	0.000E+00	-0.380E+02	0.000E+00	0.000E+00	0.000E+00
P13	0.000E+00	0.000E+00	-0.380E+02	0.000E+00	0.000E+00	0.000E+00
P14	0.000E+00	0.000E+00	-0.380E+02	0.000E+00	0.000E+00	0.000E+00
P15	0.000E+00	0.000E+00	-0.380E+02	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N NOTRIANG

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
H1	0.000E+00	0.000E+00	-0.189E+04	0.000E+00	0.000E+00	0.000E+00
H2	0.000E+00	0.000E+00	-0.377E+04	0.000E+00	0.000E+00	0.000E+00
H3	0.000E+00	0.000E+00	-0.377E+04	0.000E+00	0.000E+00	0.000E+00
H4	0.000E+00	0.000E+00	-0.377E+04	0.000E+00	0.000E+00	0.000E+00
H5	0.000E+00	0.000E+00	-0.377E+04	0.000E+00	0.000E+00	0.000E+00
H6	0.000E+00	0.000E+00	-0.377E+04	0.000E+00	0.000E+00	0.000E+00
H7	0.000E+00	0.000E+00	-0.377E+04	0.000E+00	0.000E+00	0.000E+00
H8	0.000E+00	0.000E+00	-0.377E+04	0.000E+00	0.000E+00	0.000E+00
H9	0.000E+00	0.000E+00	-0.377E+04	0.000E+00	0.000E+00	0.000E+00

```
    H10  0.000E+00  0.000E+00 -0.377E+04  0.000E+00  0.000E+00  0.000E+00
    H11  0.000E+00  0.000E+00 -0.377E+04  0.000E+00  0.000E+00  0.000E+00
    H12  0.000E+00  0.000E+00 -0.377E+04  0.000E+00  0.000E+00  0.000E+00
    H13  0.000E+00  0.000E+00 -0.377E+04  0.000E+00  0.000E+00  0.000E+00
    H14  0.000E+00  0.000E+00 -0.377E+04  0.000E+00  0.000E+00  0.000E+00
    H15  0.000E+00  0.000E+00 -0.379E+04  0.000E+00  0.000E+00  0.000E+00


C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE   22
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 L O A D   C O M B I N A T I O N   M U L T I P L I E R S

 COMBO LABEL              DEADLOAD
 COMBO TYPE                    ABS

                LOAD MODE    SPEC    HIST    MOVE   COMBO     SCALE
               LABEL  NUM   LABEL   LABEL   LABEL   LABEL    FACTOR

                DEAD                                          1.000
            MANIFOLD                                          1.000
                TBAR                                          1.000
            TOPCOVER                                          1.000
             PEWALLS                                          1.000
            HOTBASIN                                          1.000
            DRIFTELM                                          1.000
            FANMOTOR                                          1.000
            CABLETRY                                          1.000
            LOUVERWL                                          1.000
             SECDIST                                          1.000
            ANGLEWAL                                          1.000
            NOTRIANG                                          1.000


C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE   23
                             PROGRAM:SAP2000/FILE:\BentCDLnotrianglarload.EKO


 O U T P U T   S E L E C T I O N

 DISPLACEMENTS AT JOINTS

      LOAD     MODES      SPEC      HIST      MOVE      COMB
     LABEL               LABEL     LABEL     LABEL     LABEL

                                                       DEADLOAD

 REACTIONS AT JOINTS

      LOAD     MODES      SPEC      HIST      MOVE      COMB
     LABEL               LABEL     LABEL     LABEL     LABEL

      DEAD
  MANIFOLD
      TBAR
  TOPCOVER
   PEWALLS
  HOTBASIN
  DRIFTELM
  FANMOTOR
  CABLETRY
  LOUVERWL
```

```
   SECDIST
  ANGLEWAL
  NOTRIANG
                                                    DEADLOAD

 INTERNAL FORCES AT ELEMENT FRAME

      LOAD     MODES      SPEC      HIST      MOVE      COMB
     LABEL               LABEL     LABEL     LABEL     LABEL

                                                    DEADLOAD


C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE   24
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 I N P U T   C O M P L E T E
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Program SAP2000 Nonlinear Version 7.40     File:Bent C DL no trianglar load.LOG



B E G I N   A N A L Y S I S                                2005/04/05  19:41:51

MAXIMUM MEMORY BLOCK SIZE (BYTES)         =       7.629 MB


E L E M E N T   F O R M A T I O N                                     19:41:51

NUMBER OF JOINT  ELEMENTS FORMED          =         244
NUMBER OF SPRING ELEMENTS FORMED          =         244
NUMBER OF FRAME  ELEMENTS FORMED          =         369
NUMBER OF CONSTRAINTS FORMED              =          19


E Q U A T I O N   S O L U T I O N                                     19:41:53

TOTAL NUMBER OF EQUILIBRIUM EQUATIONS     =         668
APPROXIMATE "EFFECTIVE" BAND WIDTH        =          27

NUMBER OF EQUATION STORAGE BLOCKS         =           1
MAXIMUM BLOCK SIZE (8-BYTE TERMS)         =       18040
SIZE OF STIFFNESS FILE(S) (BYTES)         =     143.563 KB

NUMBER OF EQUATIONS TO SOLVE              =         668
NUMBER OF STATIC LOAD CASES               =          13
NUMBER OF ACCELERATION LOADS              =           6
NUMBER OF NONLINEAR DEFORMATION LOADS     =           0


J O I N T   O U T P U T                                               19:41:55

G L O B A L   F O R C E   B A L A N C E   R E L A T I V E   E R R O R S

PERCENT FORCE AND MOMENT ERROR AT THE ORIGIN, IN GLOBAL COORDINATES

    LOAD          FX          FY          FZ          MX          MY          MZ
    DEAD     .000000    6.76E-32    2.44E-13    5.76E-14    2.46E-13    1.56E-31
MANIFOLD     .000000     .000000    5.10E-13    1.12E-13    4.98E-13     .000000
    TBAR     .000000     .000000    2.75E-13    6.26E-14    2.79E-13     .000000
TOPCOVER     .000000     .000000    5.33E-13    1.21E-13    5.07E-13     .000000
 PEWALLS     .000000     .000000    3.59E-13    7.36E-14    3.34E-13     .000000
HOTBASIN     .000000     .000000    5.15E-13    1.17E-13    5.04E-13     .000000
DRIFTELM     .000000     .000000     .000000     .000000     .000000     .000000
FANMOTOR     .000000     .000000    4.25E-13    9.60E-14    4.04E-13     .000000
CABLETRY     .000000     .000000    4.79E-13    1.11E-13    2.73E-13     .000000
LOUVERWL     .000000     .000000    7.06E-14    1.70E-14    6.81E-14     .000000
 SECDIST     .000000     .000000    4.21E-13    9.51E-14    1.77E-13     .000000
ANGLEWAL     .000000     .000000    4.33E-13    9.51E-14    3.95E-13     .000000
NOTRIANG     .000000     .000000    1.26E-13    2.89E-14    1.28E-13     .000000

 COMB MAX/MIN     FX          FY          FZ          MX          MY          MZ
DEADLOAD     .000000    1.34E-33    3.64E-13    8.17E-14    3.49E-13    3.10E-33
DEADLOAD     .000000    1.34E-33    3.64E-13    8.17E-14    3.49E-13    3.10E-33


E L E M E N T   J O I N T - F O R C E   O U T P U T                   19:41:56

NUMBER OF JOINT  ELEMENTS SAVED           =         244
NUMBER OF FRAME  ELEMENTS SAVED           =         369
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NUMBER OF SPRING ELEMENTS SAVED          =         244

E L E M E N T   O U T P U T                                        19:41:57

NUMBER OF FRAME  ELEMENTS SAVED          =         369
NUMBER OF FRAME  ELEMENTS PRINTED        =         369

A N A L Y S I S   C O M P L E T E                        2005/04/05  19:41:59
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                    S A P 2 0 0 0 (R)

                Structural Analysis Programs

                   Nonlinear Version 7.40

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       It is the responsibility of the user to verify all
                results produced by this program

                     5 Apr 2005  19:41:51


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                                                                        Page
                                                                           1

D I S P L A C E M E N T   D E G R E E S   O F   F R E E D O M

        (A) = Active DOF, equilibrium equation
        (-) = Restrained DOF, reaction computed
        (+) = Constrained DOF
        (>) = External substructure DOF
        ( ) = Null DOF

 JOINTS              UX  UY  UZ  RX  RY  RZ
     D1 TO      D9    -   -   -       A
     F1 TO      L9    A       A       A
     M1 TO      P1    +       A       A
     P2 TO      P6    A       A       A
     P7               +       A       A
     P8               A       A       A
     P9               +       A       A
    D10 TO     D15    -   -   -       A
    F10 TO     L15    A       A       A
    M10 TO     O15    +       A       A
    P10 TO     P14    A       A       A
    P15               +       A       A
  1FIL1 TO   4FIL9    A       A       A
  5FIL1 TO   5FIL9    +       A       A
 1FIL10 TO  4FIL15    A       A       A
 5FIL10 TO  5FIL15    +       A       A

 CONSTRAINTS         U1  U2  U3  R1  R2  R3
    NM1 TO    PO15    A


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                                                                        Page
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A S S E M B L E D   J O I N T   M A S S E S

IN GLOBAL COORDINATES
```

JOINT	UX	UY	UZ	RX	RY	RZ
D1	0.278415	0.278415	0.278415	.000000	.000000	.000000
D2	0.303615	0.303615	0.303615	.000000	.000000	.000000
D3	0.303615	0.303615	0.303615	.000000	.000000	.000000
D4	0.303615	0.303615	0.303615	.000000	.000000	.000000
D5	0.303615	0.303615	0.303615	.000000	.000000	.000000
D6	0.303615	0.303615	0.303615	.000000	.000000	.000000
D7	0.303615	0.303615	0.303615	.000000	.000000	.000000
D8	0.589815	0.589815	0.589815	.000000	.000000	.000000
D9	0.303615	0.303615	0.303615	.000000	.000000	.000000
F1	0.504629	0.504629	0.504629	.000000	.000000	.000000
F2	0.563947	0.563947	0.563947	.000000	.000000	.000000
F3	0.563947	0.563947	0.563947	.000000	.000000	.000000
F4	0.563947	0.563947	0.563947	.000000	.000000	.000000
F5	0.563947	0.563947	0.563947	.000000	.000000	.000000
F6	0.563947	0.563947	0.563947	.000000	.000000	.000000
F7	0.563947	0.563947	0.563947	.000000	.000000	.000000
F8	1.033447	1.033447	1.033447	.000000	.000000	.000000
F9	0.563947	0.563947	0.563947	.000000	.000000	.000000
G1	0.403092	0.403092	0.403092	.000000	.000000	.000000
G2	0.453309	0.453309	0.453309	.000000	.000000	.000000
G3	0.453309	0.453309	0.453309	.000000	.000000	.000000
G4	0.453309	0.453309	0.453309	.000000	.000000	.000000
G5	0.453309	0.453309	0.453309	.000000	.000000	.000000
G6	0.453309	0.453309	0.453309	.000000	.000000	.000000
G7	0.453309	0.453309	0.453309	.000000	.000000	.000000
G8	0.819809	0.819809	0.819809	.000000	.000000	.000000
G9	0.453309	0.453309	0.453309	.000000	.000000	.000000
H1	1.017146	1.017146	1.017146	.000000	.000000	.000000
H2	0.446264	0.446264	0.446264	.000000	.000000	.000000
H3	0.446264	0.446264	0.446264	.000000	.000000	.000000
H4	0.446264	0.446264	0.446264	.000000	.000000	.000000
H5	0.446264	0.446264	0.446264	.000000	.000000	.000000
H6	0.446264	0.446264	0.446264	.000000	.000000	.000000
H7	0.446264	0.446264	0.446264	.000000	.000000	.000000
H8	0.812764	0.812764	0.812764	.000000	.000000	.000000
H9	0.446264	0.446264	0.446264	.000000	.000000	.000000
I1	0.463055	0.463055	0.463055	.000000	.000000	.000000
I2	0.455472	0.455472	0.455472	.000000	.000000	.000000
I3	0.455472	0.455472	0.455472	.000000	.000000	.000000
I4	0.455472	0.455472	0.455472	.000000	.000000	.000000
I5	0.455472	0.455472	0.455472	.000000	.000000	.000000
I6	0.455472	0.455472	0.455472	.000000	.000000	.000000
I7	0.455472	0.455472	0.455472	.000000	.000000	.000000
I8	0.958372	0.958372	0.958372	.000000	.000000	.000000
I9	0.455472	0.455472	0.455472	.000000	.000000	.000000
J1	1.170455	1.170455	1.170455	.000000	.000000	.000000
J2	0.483972	0.483972	0.483972	.000000	.000000	.000000
J3	0.483972	0.483972	0.483972	.000000	.000000	.000000
J4	0.483972	0.483972	0.483972	.000000	.000000	.000000
J5	0.483972	0.483972	0.483972	.000000	.000000	.000000
J6	0.483972	0.483972	0.483972	.000000	.000000	.000000
J7	0.483972	0.483972	0.483972	.000000	.000000	.000000
J8	1.123272	1.123272	1.123272	.000000	.000000	.000000
J9	0.483972	0.483972	0.483972	.000000	.000000	.000000
K1	0.622655	0.622655	0.622655	.000000	.000000	.000000
K2	0.499472	0.499472	0.499472	.000000	.000000	.000000
K3	0.499472	0.499472	0.499472	.000000	.000000	.000000
K4	0.499472	0.499472	0.499472	.000000	.000000	.000000
K5	0.499472	0.499472	0.499472	.000000	.000000	.000000
K6	0.499472	0.499472	0.499472	.000000	.000000	.000000
K7	0.499472	0.499472	0.499472	.000000	.000000	.000000

K8	1.275172	1.275172	1.275172	.000000	.000000	.000000
K9	0.499472	0.499472	0.499472	.000000	.000000	.000000
L1	1.321500	1.321500	1.321500	.000000	.000000	.000000
L2	0.519518	0.519518	0.519518	.000000	.000000	.000000
L3	0.519518	0.519518	0.519518	.000000	.000000	.000000
L4	0.519518	0.519518	0.519518	.000000	.000000	.000000
L5	0.519518	0.519518	0.519518	.000000	.000000	.000000
L6	0.519518	0.519518	0.519518	.000000	.000000	.000000
L7	0.519518	0.519518	0.519518	.000000	.000000	.000000
L8	1.431618	1.431618	1.431618	.000000	.000000	.000000
L9	0.519518	0.519518	0.519518	.000000	.000000	.000000
M1	1.067273	1.067273	1.067273	.000000	.000000	.000000
M2	0.389991	0.389991	0.389991	.000000	.000000	.000000
M3	0.389991	0.389991	0.389991	.000000	.000000	.000000
M4	0.389991	0.389991	0.389991	.000000	.000000	.000000
M5	0.389991	0.389991	0.389991	.000000	.000000	.000000
M6	0.389991	0.389991	0.389991	.000000	.000000	.000000
M7	0.389991	0.389991	0.389991	.000000	.000000	.000000
M8	1.077991	1.077991	1.077991	.000000	.000000	.000000
M9	0.389991	0.389991	0.389991	.000000	.000000	.000000
N1	8.878552	8.878552	8.878552	.000000	.000000	.000000
N2	16.775934	16.775934	16.775934	.000000	.000000	.000000
N3	19.568434	19.568434	19.568434	.000000	.000000	.000000
N4	18.319434	18.319434	18.319434	.000000	.000000	.000000
N5	17.785234	17.785234	17.785234	.000000	.000000	.000000
N6	17.995534	17.995534	17.995534	.000000	.000000	.000000
N7	16.687769	16.687769	16.687769	.000000	.000000	.000000
N8	16.775934	16.775934	16.775934	.000000	.000000	.000000
N9	16.687769	16.687769	16.687769	.000000	.000000	.000000
O1	0.188660	0.188660	0.188660	.000000	.000000	.000000
O7	0.352660	0.352660	0.352660	.000000	.000000	.000000
O9	0.352660	0.352660	0.352660	.000000	.000000	.000000
P1	5.468030	5.468030	5.468030	.000000	.000000	.000000
P2	9.644389	9.644389	9.644389	.000000	.000000	.000000
P3	9.644389	9.644389	9.644389	.000000	.000000	.000000
P4	10.735089	10.735089	10.735089	.000000	.000000	.000000
P5	10.735089	10.735089	10.735089	.000000	.000000	.000000
P6	9.644389	9.644389	9.644389	.000000	.000000	.000000
P7	9.379894	9.379894	9.379894	.000000	.000000	.000000
P8	9.644389	9.644389	9.644389	.000000	.000000	.000000
P9	9.379894	9.379894	9.379894	.000000	.000000	.000000
D10	0.303615	0.303615	0.303615	.000000	.000000	.000000
D11	0.303615	0.303615	0.303615	.000000	.000000	.000000
D12	0.303615	0.303615	0.303615	.000000	.000000	.000000
D13	0.303615	0.303615	0.303615	.000000	.000000	.000000
D14	0.303615	0.303615	0.303615	.000000	.000000	.000000
D15	0.589815	0.589815	0.589815	.000000	.000000	.000000
F10	0.563947	0.563947	0.563947	.000000	.000000	.000000
F11	0.563947	0.563947	0.563947	.000000	.000000	.000000
F12	0.563947	0.563947	0.563947	.000000	.000000	.000000
F13	0.563947	0.563947	0.563947	.000000	.000000	.000000
F14	0.563947	0.563947	0.563947	.000000	.000000	.000000
F15	1.015329	1.015329	1.015329	.000000	.000000	.000000
G10	0.453309	0.453309	0.453309	.000000	.000000	.000000
G11	0.453309	0.453309	0.453309	.000000	.000000	.000000
G12	0.453309	0.453309	0.453309	.000000	.000000	.000000
G13	0.453309	0.453309	0.453309	.000000	.000000	.000000
G14	0.453309	0.453309	0.453309	.000000	.000000	.000000
G15	0.801692	0.801692	0.801692	.000000	.000000	.000000
H10	0.446264	0.446264	0.446264	.000000	.000000	.000000
H11	0.446264	0.446264	0.446264	.000000	.000000	.000000
H12	0.446264	0.446264	0.446264	.000000	.000000	.000000
H13	0.446264	0.446264	0.446264	.000000	.000000	.000000

H14	0.446264	0.446264	0.446264	.000000	.000000	.000000
H15	0.794646	0.794646	0.794646	.000000	.000000	.000000
I10	0.455472	0.455472	0.455472	.000000	.000000	.000000
I11	0.455472	0.455472	0.455472	.000000	.000000	.000000
I12	0.455472	0.455472	0.455472	.000000	.000000	.000000
I13	0.455472	0.455472	0.455472	.000000	.000000	.000000
I14	0.455472	0.455472	0.455472	.000000	.000000	.000000
I15	0.940255	0.940255	0.940255	.000000	.000000	.000000
J10	0.483972	0.483972	0.483972	.000000	.000000	.000000
J11	0.483972	0.483972	0.483972	.000000	.000000	.000000
J12	0.483972	0.483972	0.483972	.000000	.000000	.000000
J13	0.483972	0.483972	0.483972	.000000	.000000	.000000
J14	0.483972	0.483972	0.483972	.000000	.000000	.000000
J15	1.105155	1.105155	1.105155	.000000	.000000	.000000
K10	0.499472	0.499472	0.499472	.000000	.000000	.000000
K11	0.499472	0.499472	0.499472	.000000	.000000	.000000
K12	0.499472	0.499472	0.499472	.000000	.000000	.000000
K13	0.499472	0.499472	0.499472	.000000	.000000	.000000
K14	0.499472	0.499472	0.499472	.000000	.000000	.000000
K15	1.257055	1.257055	1.257055	.000000	.000000	.000000
L10	0.519518	0.519518	0.519518	.000000	.000000	.000000
L11	0.519518	0.519518	0.519518	.000000	.000000	.000000
L12	0.519518	0.519518	0.519518	.000000	.000000	.000000
L13	0.519518	0.519518	0.519518	.000000	.000000	.000000
L14	0.519518	0.519518	0.519518	.000000	.000000	.000000
L15	1.413500	1.413500	1.413500	.000000	.000000	.000000
M10	0.389991	0.389991	0.389991	.000000	.000000	.000000
M11	0.389991	0.389991	0.389991	.000000	.000000	.000000
M12	0.389991	0.389991	0.389991	.000000	.000000	.000000
M13	0.389991	0.389991	0.389991	.000000	.000000	.000000
M14	0.389991	0.389991	0.389991	.000000	.000000	.000000
M15	1.059873	1.059873	1.059873	.000000	.000000	.000000
N10	16.775934	16.775934	16.775934	.000000	.000000	.000000
N11	16.775934	16.775934	16.775934	.000000	.000000	.000000
N12	16.775934	16.775934	16.775934	.000000	.000000	.000000
N13	16.775934	16.775934	16.775934	.000000	.000000	.000000
N14	16.775934	16.775934	16.775934	.000000	.000000	.000000
N15	16.751652	16.751652	16.751652	.000000	.000000	.000000
O15	0.352660	0.352660	0.352660	.000000	.000000	.000000
P10	9.644389	9.644389	9.644389	.000000	.000000	.000000
P11	10.735089	10.735089	10.735089	.000000	.000000	.000000
P12	10.735089	10.735089	10.735089	.000000	.000000	.000000
P13	9.644389	9.644389	9.644389	.000000	.000000	.000000
P14	9.644389	9.644389	9.644389	.000000	.000000	.000000
P15	9.320130	9.320130	9.320130	.000000	.000000	.000000
1FIL1	0.102236	0.102236	0.102236	.000000	.000000	.000000
1FIL2	0.160436	0.160436	0.160436	.000000	.000000	.000000
1FIL3	0.160436	0.160436	0.160436	.000000	.000000	.000000
1FIL4	0.160436	0.160436	0.160436	.000000	.000000	.000000
1FIL5	0.160436	0.160436	0.160436	.000000	.000000	.000000
1FIL6	0.160436	0.160436	0.160436	.000000	.000000	.000000
1FIL7	0.160436	0.160436	0.160436	.000000	.000000	.000000
1FIL8	0.160436	0.160436	0.160436	.000000	.000000	.000000
1FIL9	0.160436	0.160436	0.160436	.000000	.000000	.000000
2FIL1	0.956983	0.956983	0.956983	.000000	.000000	.000000
2FIL2	0.643583	0.643583	0.643583	.000000	.000000	.000000
2FIL3	0.643583	0.643583	0.643583	.000000	.000000	.000000
2FIL4	0.643583	0.643583	0.643583	.000000	.000000	.000000
2FIL5	0.643583	0.643583	0.643583	.000000	.000000	.000000
2FIL6	0.643583	0.643583	0.643583	.000000	.000000	.000000
2FIL7	0.643583	0.643583	0.643583	.000000	.000000	.000000
2FIL8	0.643583	0.643583	0.643583	.000000	.000000	.000000
2FIL9	0.643583	0.643583	0.643583	.000000	.000000	.000000

3FIL1	1.240891	1.240891	1.240891	.000000	.000000	.000000
3FIL2	1.225391	1.225391	1.225391	.000000	.000000	.000000
3FIL3	1.225391	1.225391	1.225391	.000000	.000000	.000000
3FIL4	1.225391	1.225391	1.225391	.000000	.000000	.000000
3FIL5	1.225391	1.225391	1.225391	.000000	.000000	.000000
3FIL6	1.225391	1.225391	1.225391	.000000	.000000	.000000
3FIL7	1.225391	1.225391	1.225391	.000000	.000000	.000000
3FIL8	1.225391	1.225391	1.225391	.000000	.000000	.000000
3FIL9	1.225391	1.225391	1.225391	.000000	.000000	.000000
4FIL1	1.670691	1.670691	1.670691	.000000	.000000	.000000
4FIL2	2.084991	2.084991	2.084991	.000000	.000000	.000000
4FIL3	2.084991	2.084991	2.084991	.000000	.000000	.000000
4FIL4	2.084991	2.084991	2.084991	.000000	.000000	.000000
4FIL5	2.084991	2.084991	2.084991	.000000	.000000	.000000
4FIL6	2.084991	2.084991	2.084991	.000000	.000000	.000000
4FIL7	2.084991	2.084991	2.084991	.000000	.000000	.000000
4FIL8	2.084991	2.084991	2.084991	.000000	.000000	.000000
4FIL9	2.084991	2.084991	2.084991	.000000	.000000	.000000
5FIL1	1.644904	1.644904	1.644904	.000000	.000000	.000000
5FIL2	1.693904	1.693904	1.693904	.000000	.000000	.000000
5FIL3	1.693904	1.693904	1.693904	.000000	.000000	.000000
5FIL4	1.693904	1.693904	1.693904	.000000	.000000	.000000
5FIL5	1.693904	1.693904	1.693904	.000000	.000000	.000000
5FIL6	1.693904	1.693904	1.693904	.000000	.000000	.000000
5FIL7	1.693904	1.693904	1.693904	.000000	.000000	.000000
5FIL8	1.693904	1.693904	1.693904	.000000	.000000	.000000
5FIL9	1.693904	1.693904	1.693904	.000000	.000000	.000000
1FIL10	0.160436	0.160436	0.160436	.000000	.000000	.000000
1FIL11	0.160436	0.160436	0.160436	.000000	.000000	.000000
1FIL12	0.160436	0.160436	0.160436	.000000	.000000	.000000
1FIL13	0.160436	0.160436	0.160436	.000000	.000000	.000000
1FIL14	0.160436	0.160436	0.160436	.000000	.000000	.000000
1FIL15	0.160436	0.160436	0.160436	.000000	.000000	.000000
2FIL10	0.643583	0.643583	0.643583	.000000	.000000	.000000
2FIL11	0.643583	0.643583	0.643583	.000000	.000000	.000000
2FIL12	0.643583	0.643583	0.643583	.000000	.000000	.000000
2FIL13	0.643583	0.643583	0.643583	.000000	.000000	.000000
2FIL14	0.643583	0.643583	0.643583	.000000	.000000	.000000
2FIL15	0.643583	0.643583	0.643583	.000000	.000000	.000000
3FIL10	1.225391	1.225391	1.225391	.000000	.000000	.000000
3FIL11	1.225391	1.225391	1.225391	.000000	.000000	.000000
3FIL12	1.225391	1.225391	1.225391	.000000	.000000	.000000
3FIL13	1.225391	1.225391	1.225391	.000000	.000000	.000000
3FIL14	1.225391	1.225391	1.225391	.000000	.000000	.000000
3FIL15	1.225391	1.225391	1.225391	.000000	.000000	.000000
4FIL10	2.084991	2.084991	2.084991	.000000	.000000	.000000
4FIL11	2.084991	2.084991	2.084991	.000000	.000000	.000000
4FIL12	2.084991	2.084991	2.084991	.000000	.000000	.000000
4FIL13	2.084991	2.084991	2.084991	.000000	.000000	.000000
4FIL14	2.084991	2.084991	2.084991	.000000	.000000	.000000
4FIL15	2.084991	2.084991	2.084991	.000000	.000000	.000000
5FIL10	1.693904	1.693904	1.693904	.000000	.000000	.000000
5FIL11	1.693904	1.693904	1.693904	.000000	.000000	.000000
5FIL12	1.693904	1.693904	1.693904	.000000	.000000	.000000
5FIL13	1.693904	1.693904	1.693904	.000000	.000000	.000000
5FIL14	1.693904	1.693904	1.693904	.000000	.000000	.000000
5FIL15	1.693904	1.693904	1.693904	.000000	.000000	.000000

T O T A L A S S E M B L E D J O I N T M A S S E S

IN GLOBAL COORDINATES

	UX	UY	UZ	RX	RY	RZ
TOTAL	556.618089	556.618089	556.618089	.000000	.000000	.000000

T O T A L A C C E L E R A T E D M A S S A N D L O C A T I O N

TOTAL MASS ACTIVATED BY ACCELERATION LOADS, IN GLOBAL COORDINATES

	UX	UY	UZ
MASS	551.516659	.000000	551.516659
X-LOC	513.359443	.000000	513.359443
Y-LOC	120.000000	.000000	120.000000
Z-LOC	546.401446	.000000	546.401446

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J O I N T D I S P L A C E M E N T S

TRANSLATIONS AND ROTATIONS, IN GLOBAL COORDINATES

COMBDEADLOAD ---------- MAX

JOINT	UX	UY	UZ	RY
D1	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
F1	.000000	.000000	0.022705	.000000
F2	.000000	.000000	0.030351	.000000
F3	.000000	.000000	0.032711	.000000
F4	.000000	.000000	0.032575	.000000
F5	.000000	.000000	0.032125	.000000
F6	.000000	.000000	0.031381	.000000
F7	.000000	.000000	0.030351	.000000
F8	.000000	.000000	0.034340	.000000
F9	.000000	.000000	0.030351	.000000
G1	.000000	.000000	0.036691	.000000
G2	.000000	.000000	0.049275	.000000
G3	.000000	.000000	0.053145	.000000
G4	.000000	.000000	0.052922	.000000
G5	.000000	.000000	0.052184	.000000
G6	.000000	.000000	0.050964	.000000
G7	.000000	.000000	0.049275	.000000
G8	.000000	.000000	0.055563	.000000
G9	.000000	.000000	0.049275	.000000
H1	.000000	.000000	0.050201	.000000
H2	.000000	.000000	0.067780	.000000
H3	.000000	.000000	0.073159	.000000
H4	.000000	.000000	0.072850	.000000
H5	.000000	.000000	0.071823	.000000
H6	.000000	.000000	0.070128	.000000
H7	.000000	.000000	0.067780	.000000
H8	.000000	.000000	0.076168	.000000
H9	.000000	.000000	0.067780	.000000
I1	.000000	.000000	0.070428	.000000

I2	.000000	.000000	0.093600	.000000
I3	.000000	.000000	0.101999	.000000
I4	.000000	.000000	0.101517	.000000
I5	.000000	.000000	0.099913	.000000
I6	.000000	.000000	0.097266	.000000
I7	.000000	.000000	0.093600	.000000
I8	.000000	.000000	0.105792	.000000
I9	.000000	.000000	0.093600	.000000
J1	.000000	.000000	0.089740	.000000
J2	.000000	.000000	0.118773	.000000
J3	.000000	.000000	0.130192	.000000
J4	.000000	.000000	0.129536	.000000
J5	.000000	.000000	0.127355	.000000
J6	.000000	.000000	0.123757	.000000
J7	.000000	.000000	0.118773	.000000
J8	.000000	.000000	0.134225	.000000
J9	.000000	.000000	0.118773	.000000
K1	.000000	.000000	0.107247	.000000
K2	.000000	.000000	0.143026	.000000
K3	.000000	.000000	0.157465	.000000
K4	.000000	.000000	0.156635	.000000
K5	.000000	.000000	0.153879	.000000
K6	.000000	.000000	0.149329	.000000
K7	.000000	.000000	0.143026	.000000
K8	.000000	.000000	0.161048	.000000
K9	.000000	.000000	0.143026	.000000
L1	.000000	.000000	0.123545	.000000
L2	.000000	.000000	0.166344	.000000
L3	.000000	.000000	0.183803	.000000
L4	.000000	.000000	0.182799	.000000
L5	.000000	.000000	0.179466	.000000
L6	.000000	.000000	0.173965	.000000
L7	.000000	.000000	0.166344	.000000
L8	.000000	.000000	0.186095	.000000
L9	.000000	.000000	0.166344	.000000
M1	.000000	.000000	0.138617	.000000
M2	.000000	.000000	0.189505	.000000
M3	.000000	.000000	0.209984	.000000
M4	.000000	.000000	0.208807	.000000
M5	.000000	.000000	0.204897	.000000
M6	.000000	.000000	0.198444	.000000
M7	.000000	.000000	0.189505	.000000
M8	.000000	.000000	0.210001	.000000
M9	.000000	.000000	0.189505	.000000
N1	.000000	.000000	0.142866	.000000
N2	.000000	.000000	0.196575	.000000
N3	.000000	.000000	0.217998	.000000
N4	.000000	.000000	0.216767	.000000
N5	.000000	.000000	0.212677	.000000
N6	.000000	.000000	0.205927	.000000
N7	.000000	.000000	0.196575	.000000
N8	.000000	.000000	0.217071	.000000
N9	.000000	.000000	0.196575	.000000
O1	.000000	.000000	0.148487	.000000
O7	.000000	.000000	0.204915	.000000
O9	.000000	.000000	0.204915	.000000
P1	.000000	.000000	0.150349	.000000
P2	.000000	.000000	0.207684	.000000
P3	.000000	.000000	0.229107	.000000
P4	.000000	.000000	0.229938	.000000
P5	.000000	.000000	0.225848	.000000
P6	.000000	.000000	0.217035	.000000
P7	.000000	.000000	0.207684	.000000

P8	.000000	.000000	0.228180	.000000
P9	.000000	.000000	0.207684	.000000
D10	.000000	.000000	.000000	.000000
D11	.000000	.000000	.000000	.000000
D12	.000000	.000000	.000000	.000000
D13	.000000	.000000	.000000	.000000
D14	.000000	.000000	.000000	.000000
D15	.000000	.000000	.000000	.000000
F10	.000000	.000000	0.030351	.000000
F11	.000000	.000000	0.031272	.000000
F12	.000000	.000000	0.031272	.000000
F13	.000000	.000000	0.030351	.000000
F14	.000000	.000000	0.030351	.000000
F15	.000000	.000000	0.034221	.000000
G10	.000000	.000000	0.049275	.000000
G11	.000000	.000000	0.050785	.000000
G12	.000000	.000000	0.050785	.000000
G13	.000000	.000000	0.049275	.000000
G14	.000000	.000000	0.049275	.000000
G15	.000000	.000000	0.055378	.000000
H10	.000000	.000000	0.067780	.000000
H11	.000000	.000000	0.069879	.000000
H12	.000000	.000000	0.069879	.000000
H13	.000000	.000000	0.067780	.000000
H14	.000000	.000000	0.067780	.000000
H15	.000000	.000000	0.075927	.000000
I10	.000000	.000000	0.093600	.000000
I11	.000000	.000000	0.096877	.000000
I12	.000000	.000000	0.096877	.000000
I13	.000000	.000000	0.093600	.000000
I14	.000000	.000000	0.093600	.000000
I15	.000000	.000000	0.105413	.000000
J10	.000000	.000000	0.118773	.000000
J11	.000000	.000000	0.123228	.000000
J12	.000000	.000000	0.123228	.000000
J13	.000000	.000000	0.118773	.000000
J14	.000000	.000000	0.118773	.000000
J15	.000000	.000000	0.133728	.000000
K10	.000000	.000000	0.143026	.000000
K11	.000000	.000000	0.148660	.000000
K12	.000000	.000000	0.148660	.000000
K13	.000000	.000000	0.143026	.000000
K14	.000000	.000000	0.143026	.000000
K15	.000000	.000000	0.160453	.000000
L10	.000000	.000000	0.166344	.000000
L11	.000000	.000000	0.173156	.000000
L12	.000000	.000000	0.173156	.000000
L13	.000000	.000000	0.166344	.000000
L14	.000000	.000000	0.166344	.000000
L15	.000000	.000000	0.185421	.000000
M10	.000000	.000000	0.189505	.000000
M11	.000000	.000000	0.197495	.000000
M12	.000000	.000000	0.197495	.000000
M13	.000000	.000000	0.189505	.000000
M14	.000000	.000000	0.189505	.000000
M15	.000000	.000000	0.209267	.000000
N10	.000000	.000000	0.196575	.000000
N11	.000000	.000000	0.204934	.000000
N12	.000000	.000000	0.204934	.000000
N13	.000000	.000000	0.196575	.000000
N14	.000000	.000000	0.196575	.000000
N15	.000000	.000000	0.216325	.000000
O15	.000000	.000000	0.224639	.000000

P10	.000000	.000000	0.207684	.000000
P11	.000000	.000000	0.218105	.000000
P12	.000000	.000000	0.218105	.000000
P13	.000000	.000000	0.207684	.000000
P14	.000000	.000000	0.207684	.000000
P15	.000000	.000000	0.227398	.000000
1FIL1	.000000	.000000	0.005541	.000000
1FIL2	.000000	.000000	0.007410	.000000
1FIL3	.000000	.000000	0.007985	.000000
1FIL4	.000000	.000000	0.007952	.000000
1FIL5	.000000	.000000	0.007842	.000000
1FIL6	.000000	.000000	0.007661	.000000
1FIL7	.000000	.000000	0.007410	.000000
1FIL8	.000000	.000000	0.008381	.000000
1FIL9	.000000	.000000	0.007410	.000000
2FIL1	.000000	.000000	0.029828	.000000
2FIL2	.000000	.000000	0.039900	.000000
2FIL3	.000000	.000000	0.043015	.000000
2FIL4	.000000	.000000	0.042836	.000000
2FIL5	.000000	.000000	0.042241	.000000
2FIL6	.000000	.000000	0.041260	.000000
2FIL7	.000000	.000000	0.039900	.000000
2FIL8	.000000	.000000	0.045038	.000000
2FIL9	.000000	.000000	0.039900	.000000
3FIL1	.000000	.000000	0.060624	.000000
3FIL2	.000000	.000000	0.080970	.000000
3FIL3	.000000	.000000	0.087859	.000000
3FIL4	.000000	.000000	0.087464	.000000
3FIL5	.000000	.000000	0.086148	.000000
3FIL6	.000000	.000000	0.083977	.000000
3FIL7	.000000	.000000	0.080970	.000000
3FIL8	.000000	.000000	0.091260	.000000
3FIL9	.000000	.000000	0.080970	.000000
4FIL1	.000000	.000000	0.098863	.000000
4FIL2	.000000	.000000	0.131300	.000000
4FIL3	.000000	.000000	0.144229	.000000
4FIL4	.000000	.000000	0.143486	.000000
4FIL5	.000000	.000000	0.141018	.000000
4FIL6	.000000	.000000	0.136944	.000000
4FIL7	.000000	.000000	0.131300	.000000
4FIL8	.000000	.000000	0.148037	.000000
4FIL9	.000000	.000000	0.131300	.000000
5FIL1	.000000	.000000	0.141672	.000000
5FIL2	.000000	.000000	0.194507	.000000
5FIL3	.000000	.000000	0.215643	.000000
5FIL4	.000000	.000000	0.214429	.000000
5FIL5	.000000	.000000	0.210393	.000000
5FIL6	.000000	.000000	0.203733	.000000
5FIL7	.000000	.000000	0.194507	.000000
5FIL8	.000000	.000000	0.215003	.000000
5FIL9	.000000	.000000	0.194507	.000000
1FIL10	.000000	.000000	0.007410	.000000
1FIL11	.000000	.000000	0.007634	.000000
1FIL12	.000000	.000000	0.007634	.000000
1FIL13	.000000	.000000	0.007410	.000000
1FIL14	.000000	.000000	0.007410	.000000
1FIL15	.000000	.000000	0.008352	.000000
2FIL10	.000000	.000000	0.039900	.000000
2FIL11	.000000	.000000	0.041116	.000000
2FIL12	.000000	.000000	0.041116	.000000
2FIL13	.000000	.000000	0.039900	.000000
2FIL14	.000000	.000000	0.039900	.000000
2FIL15	.000000	.000000	0.044887	.000000

3FIL10	.000000	.000000	0.080970	.000000
3FIL11	.000000	.000000	0.083658	.000000
3FIL12	.000000	.000000	0.083658	.000000
3FIL13	.000000	.000000	0.080970	.000000
3FIL14	.000000	.000000	0.080970	.000000
3FIL15	.000000	.000000	0.090950	.000000
4FIL10	.000000	.000000	0.131300	.000000
4FIL11	.000000	.000000	0.136344	.000000
4FIL12	.000000	.000000	0.136344	.000000
4FIL13	.000000	.000000	0.131300	.000000
4FIL14	.000000	.000000	0.131300	.000000
4FIL15	.000000	.000000	0.147491	.000000
5FIL10	.000000	.000000	0.194507	.000000
5FIL11	.000000	.000000	0.202754	.000000
5FIL12	.000000	.000000	0.202754	.000000
5FIL13	.000000	.000000	0.194507	.000000
5FIL14	.000000	.000000	0.194507	.000000
5FIL15	.000000	.000000	0.214261	.000000

COMBDEADLOAD ---------- MIN

JOINT	UX	UY	UZ	RY
D1	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
F1	.000000	.000000	-0.022705	.000000
F2	.000000	.000000	-0.030351	.000000
F3	.000000	.000000	-0.032711	.000000
F4	.000000	.000000	-0.032575	.000000
F5	.000000	.000000	-0.032125	.000000
F6	.000000	.000000	-0.031381	.000000
F7	.000000	.000000	-0.030351	.000000
F8	.000000	.000000	-0.034340	.000000
F9	.000000	.000000	-0.030351	.000000
G1	.000000	.000000	-0.036691	.000000
G2	.000000	.000000	-0.049275	.000000
G3	.000000	.000000	-0.053145	.000000
G4	.000000	.000000	-0.052922	.000000
G5	.000000	.000000	-0.052184	.000000
G6	.000000	.000000	-0.050964	.000000
G7	.000000	.000000	-0.049275	.000000
G8	.000000	.000000	-0.055563	.000000
G9	.000000	.000000	-0.049275	.000000
H1	.000000	.000000	-0.050201	.000000
H2	.000000	.000000	-0.067780	.000000
H3	.000000	.000000	-0.073159	.000000
H4	.000000	.000000	-0.072850	.000000
H5	.000000	.000000	-0.071823	.000000
H6	.000000	.000000	-0.070128	.000000
H7	.000000	.000000	-0.067780	.000000
H8	.000000	.000000	-0.076168	.000000
H9	.000000	.000000	-0.067780	.000000
I1	.000000	.000000	-0.070428	.000000
I2	.000000	.000000	-0.093600	.000000
I3	.000000	.000000	-0.101999	.000000
I4	.000000	.000000	-0.101517	.000000
I5	.000000	.000000	-0.099913	.000000

I6	.000000	.000000	-0.097266	.000000
I7	.000000	.000000	-0.093600	.000000
I8	.000000	.000000	-0.105792	.000000
I9	.000000	.000000	-0.093600	.000000
J1	.000000	.000000	-0.089740	.000000
J2	.000000	.000000	-0.118773	.000000
J3	.000000	.000000	-0.130192	.000000
J4	.000000	.000000	-0.129536	.000000
J5	.000000	.000000	-0.127355	.000000
J6	.000000	.000000	-0.123757	.000000
J7	.000000	.000000	-0.118773	.000000
J8	.000000	.000000	-0.134225	.000000
J9	.000000	.000000	-0.118773	.000000
K1	.000000	.000000	-0.107247	.000000
K2	.000000	.000000	-0.143026	.000000
K3	.000000	.000000	-0.157465	.000000
K4	.000000	.000000	-0.156635	.000000
K5	.000000	.000000	-0.153879	.000000
K6	.000000	.000000	-0.149329	.000000
K7	.000000	.000000	-0.143026	.000000
K8	.000000	.000000	-0.161048	.000000
K9	.000000	.000000	-0.143026	.000000
L1	.000000	.000000	-0.123545	.000000
L2	.000000	.000000	-0.166344	.000000
L3	.000000	.000000	-0.183803	.000000
L4	.000000	.000000	-0.182799	.000000
L5	.000000	.000000	-0.179466	.000000
L6	.000000	.000000	-0.173965	.000000
L7	.000000	.000000	-0.166344	.000000
L8	.000000	.000000	-0.186095	.000000
L9	.000000	.000000	-0.166344	.000000
M1	.000000	.000000	-0.138617	.000000
M2	.000000	.000000	-0.189505	.000000
M3	.000000	.000000	-0.209984	.000000
M4	.000000	.000000	-0.208807	.000000
M5	.000000	.000000	-0.204897	.000000
M6	.000000	.000000	-0.198444	.000000
M7	.000000	.000000	-0.189505	.000000
M8	.000000	.000000	-0.210001	.000000
M9	.000000	.000000	-0.189505	.000000
N1	.000000	.000000	-0.142866	.000000
N2	.000000	.000000	-0.196575	.000000
N3	.000000	.000000	-0.217998	.000000
N4	.000000	.000000	-0.216767	.000000
N5	.000000	.000000	-0.212677	.000000
N6	.000000	.000000	-0.205927	.000000
N7	.000000	.000000	-0.196575	.000000
N8	.000000	.000000	-0.217071	.000000
N9	.000000	.000000	-0.196575	.000000
O1	.000000	.000000	-0.148487	.000000
O7	.000000	.000000	-0.204915	.000000
O9	.000000	.000000	-0.204915	.000000
P1	.000000	.000000	-0.150349	.000000
P2	.000000	.000000	-0.207684	.000000
P3	.000000	.000000	-0.229107	.000000
P4	.000000	.000000	-0.229938	.000000
P5	.000000	.000000	-0.225848	.000000
P6	.000000	.000000	-0.217035	.000000
P7	.000000	.000000	-0.207684	.000000
P8	.000000	.000000	-0.228180	.000000
P9	.000000	.000000	-0.207684	.000000
D10	.000000	.000000	.000000	.000000
D11	.000000	.000000	.000000	.000000

D12	.000000	.000000	.000000	.000000
D13	.000000	.000000	.000000	.000000
D14	.000000	.000000	.000000	.000000
D15	.000000	.000000	.000000	.000000
F10	.000000	.000000	-0.030351	.000000
F11	.000000	.000000	-0.031272	.000000
F12	.000000	.000000	-0.031272	.000000
F13	.000000	.000000	-0.030351	.000000
F14	.000000	.000000	-0.030351	.000000
F15	.000000	.000000	-0.034221	.000000
G10	.000000	.000000	-0.049275	.000000
G11	.000000	.000000	-0.050785	.000000
G12	.000000	.000000	-0.050785	.000000
G13	.000000	.000000	-0.049275	.000000
G14	.000000	.000000	-0.049275	.000000
G15	.000000	.000000	-0.055378	.000000
H10	.000000	.000000	-0.067780	.000000
H11	.000000	.000000	-0.069879	.000000
H12	.000000	.000000	-0.069879	.000000
H13	.000000	.000000	-0.067780	.000000
H14	.000000	.000000	-0.067780	.000000
H15	.000000	.000000	-0.075927	.000000
I10	.000000	.000000	-0.093600	.000000
I11	.000000	.000000	-0.096877	.000000
I12	.000000	.000000	-0.096877	.000000
I13	.000000	.000000	-0.093600	.000000
I14	.000000	.000000	-0.093600	.000000
I15	.000000	.000000	-0.105413	.000000
J10	.000000	.000000	-0.118773	.000000
J11	.000000	.000000	-0.123228	.000000
J12	.000000	.000000	-0.123228	.000000
J13	.000000	.000000	-0.118773	.000000
J14	.000000	.000000	-0.118773	.000000
J15	.000000	.000000	-0.133728	.000000
K10	.000000	.000000	-0.143026	.000000
K11	.000000	.000000	-0.148660	.000000
K12	.000000	.000000	-0.148660	.000000
K13	.000000	.000000	-0.143026	.000000
K14	.000000	.000000	-0.143026	.000000
K15	.000000	.000000	-0.160453	.000000
L10	.000000	.000000	-0.166344	.000000
L11	.000000	.000000	-0.173156	.000000
L12	.000000	.000000	-0.173156	.000000
L13	.000000	.000000	-0.166344	.000000
L14	.000000	.000000	-0.166344	.000000
L15	.000000	.000000	-0.185421	.000000
M10	.000000	.000000	-0.189505	.000000
M11	.000000	.000000	-0.197495	.000000
M12	.000000	.000000	-0.197495	.000000
M13	.000000	.000000	-0.189505	.000000
M14	.000000	.000000	-0.189505	.000000
M15	.000000	.000000	-0.209267	.000000
N10	.000000	.000000	-0.196575	.000000
N11	.000000	.000000	-0.204934	.000000
N12	.000000	.000000	-0.204934	.000000
N13	.000000	.000000	-0.196575	.000000
N14	.000000	.000000	-0.196575	.000000
N15	.000000	.000000	-0.216325	.000000
O15	.000000	.000000	-0.224639	.000000
P10	.000000	.000000	-0.207684	.000000
P11	.000000	.000000	-0.218105	.000000
P12	.000000	.000000	-0.218105	.000000
P13	.000000	.000000	-0.207684	.000000

P14	.000000	.000000	-0.207684	.000000
P15	.000000	.000000	-0.227398	.000000
1FIL1	.000000	.000000	-0.005541	.000000
1FIL2	.000000	.000000	-0.007410	.000000
1FIL3	.000000	.000000	-0.007985	.000000
1FIL4	.000000	.000000	-0.007952	.000000
1FIL5	.000000	.000000	-0.007842	.000000
1FIL6	.000000	.000000	-0.007661	.000000
1FIL7	.000000	.000000	-0.007410	.000000
1FIL8	.000000	.000000	-0.008381	.000000
1FIL9	.000000	.000000	-0.007410	.000000
2FIL1	.000000	.000000	-0.029828	.000000
2FIL2	.000000	.000000	-0.039900	.000000
2FIL3	.000000	.000000	-0.043015	.000000
2FIL4	.000000	.000000	-0.042836	.000000
2FIL5	.000000	.000000	-0.042241	.000000
2FIL6	.000000	.000000	-0.041260	.000000
2FIL7	.000000	.000000	-0.039900	.000000
2FIL8	.000000	.000000	-0.045038	.000000
2FIL9	.000000	.000000	-0.039900	.000000
3FIL1	.000000	.000000	-0.060624	.000000
3FIL2	.000000	.000000	-0.080970	.000000
3FIL3	.000000	.000000	-0.087859	.000000
3FIL4	.000000	.000000	-0.087464	.000000
3FIL5	.000000	.000000	-0.086148	.000000
3FIL6	.000000	.000000	-0.083977	.000000
3FIL7	.000000	.000000	-0.080970	.000000
3FIL8	.000000	.000000	-0.091260	.000000
3FIL9	.000000	.000000	-0.080970	.000000
4FIL1	.000000	.000000	-0.098863	.000000
4FIL2	.000000	.000000	-0.131300	.000000
4FIL3	.000000	.000000	-0.144229	.000000
4FIL4	.000000	.000000	-0.143486	.000000
4FIL5	.000000	.000000	-0.141018	.000000
4FIL6	.000000	.000000	-0.136944	.000000
4FIL7	.000000	.000000	-0.131300	.000000
4FIL8	.000000	.000000	-0.148037	.000000
4FIL9	.000000	.000000	-0.131300	.000000
5FIL1	.000000	.000000	-0.141672	.000000
5FIL2	.000000	.000000	-0.194507	.000000
5FIL3	.000000	.000000	-0.215643	.000000
5FIL4	.000000	.000000	-0.214429	.000000
5FIL5	.000000	.000000	-0.210393	.000000
5FIL6	.000000	.000000	-0.203733	.000000
5FIL7	.000000	.000000	-0.194507	.000000
5FIL8	.000000	.000000	-0.215003	.000000
5FIL9	.000000	.000000	-0.194507	.000000
1FIL10	.000000	.000000	-0.007410	.000000
1FIL11	.000000	.000000	-0.007634	.000000
1FIL12	.000000	.000000	-0.007634	.000000
1FIL13	.000000	.000000	-0.007410	.000000
1FIL14	.000000	.000000	-0.007410	.000000
1FIL15	.000000	.000000	-0.008352	.000000
2FIL10	.000000	.000000	-0.039900	.000000
2FIL11	.000000	.000000	-0.041116	.000000
2FIL12	.000000	.000000	-0.041116	.000000
2FIL13	.000000	.000000	-0.039900	.000000
2FIL14	.000000	.000000	-0.039900	.000000
2FIL15	.000000	.000000	-0.044887	.000000
3FIL10	.000000	.000000	-0.080970	.000000
3FIL11	.000000	.000000	-0.083658	.000000
3FIL12	.000000	.000000	-0.083658	.000000
3FIL13	.000000	.000000	-0.080970	.000000

3FIL14	.000000	.000000	-0.080970	.000000
3FIL15	.000000	.000000	-0.090950	.000000
4FIL10	.000000	.000000	-0.131300	.000000
4FIL11	.000000	.000000	-0.136344	.000000
4FIL12	.000000	.000000	-0.136344	.000000
4FIL13	.000000	.000000	-0.131300	.000000
4FIL14	.000000	.000000	-0.131300	.000000
4FIL15	.000000	.000000	-0.147491	.000000
5FIL10	.000000	.000000	-0.194507	.000000
5FIL11	.000000	.000000	-0.202754	.000000
5FIL12	.000000	.000000	-0.202754	.000000
5FIL13	.000000	.000000	-0.194507	.000000
5FIL14	.000000	.000000	-0.194507	.000000
5FIL15	.000000	.000000	-0.214261	.000000

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S P R I N G F O R C E S

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

LOAD DEAD ----------

JOINT	FX	FY	FZ	MY
D1	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
F1	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F4	.000000	.000000	.000000	.000000
F5	.000000	.000000	.000000	.000000
F6	.000000	.000000	.000000	.000000
F7	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
G1	.000000	.000000	.000000	.000000
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H1	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H4	.000000	.000000	.000000	.000000
H5	.000000	.000000	.000000	.000000
H6	.000000	.000000	.000000	.000000
H7	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000

I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J4	.000000	.000000	.000000	.000000
J5	.000000	.000000	.000000	.000000
J6	.000000	.000000	.000000	.000000
J7	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L4	.000000	.000000	.000000	.000000
L5	.000000	.000000	.000000	.000000
L6	.000000	.000000	.000000	.000000
L7	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
O9	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000

P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
D10	.000000	.000000	.000000	.000000
D11	.000000	.000000	.000000	.000000
D12	.000000	.000000	.000000	.000000
D13	.000000	.000000	.000000	.000000
D14	.000000	.000000	.000000	.000000
D15	.000000	.000000	.000000	.000000
F10	.000000	.000000	.000000	.000000
F11	.000000	.000000	.000000	.000000
F12	.000000	.000000	.000000	.000000
F13	.000000	.000000	.000000	.000000
F14	.000000	.000000	.000000	.000000
F15	.000000	.000000	.000000	.000000
G10	.000000	.000000	.000000	.000000
G11	.000000	.000000	.000000	.000000
G12	.000000	.000000	.000000	.000000
G13	.000000	.000000	.000000	.000000
G14	.000000	.000000	.000000	.000000
G15	.000000	.000000	.000000	.000000
H10	.000000	.000000	.000000	.000000
H11	.000000	.000000	.000000	.000000
H12	.000000	.000000	.000000	.000000
H13	.000000	.000000	.000000	.000000
H14	.000000	.000000	.000000	.000000
H15	.000000	.000000	.000000	.000000
I10	.000000	.000000	.000000	.000000
I11	.000000	.000000	.000000	.000000
I12	.000000	.000000	.000000	.000000
I13	.000000	.000000	.000000	.000000
I14	.000000	.000000	.000000	.000000
I15	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
J11	.000000	.000000	.000000	.000000
J12	.000000	.000000	.000000	.000000
J13	.000000	.000000	.000000	.000000
J14	.000000	.000000	.000000	.000000
J15	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K11	.000000	.000000	.000000	.000000
K12	.000000	.000000	.000000	.000000
K13	.000000	.000000	.000000	.000000
K14	.000000	.000000	.000000	.000000
K15	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
L11	.000000	.000000	.000000	.000000
L12	.000000	.000000	.000000	.000000
L13	.000000	.000000	.000000	.000000
L14	.000000	.000000	.000000	.000000
L15	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000

O15	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000
P11	.000000	.000000	.000000	.000000
P12	.000000	.000000	.000000	.000000
P13	.000000	.000000	.000000	.000000
P14	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
1FIL1	.000000	.000000	.000000	.000000
1FIL2	.000000	.000000	.000000	.000000
1FIL3	.000000	.000000	.000000	.000000
1FIL4	.000000	.000000	.000000	.000000
1FIL5	.000000	.000000	.000000	.000000
1FIL6	.000000	.000000	.000000	.000000
1FIL7	.000000	.000000	.000000	.000000
1FIL8	.000000	.000000	.000000	.000000
1FIL9	.000000	.000000	.000000	.000000
2FIL1	.000000	.000000	.000000	.000000
2FIL2	.000000	.000000	.000000	.000000
2FIL3	.000000	.000000	.000000	.000000
2FIL4	.000000	.000000	.000000	.000000
2FIL5	.000000	.000000	.000000	.000000
2FIL6	.000000	.000000	.000000	.000000
2FIL7	.000000	.000000	.000000	.000000
2FIL8	.000000	.000000	.000000	.000000
2FIL9	.000000	.000000	.000000	.000000
3FIL1	.000000	.000000	.000000	.000000
3FIL2	.000000	.000000	.000000	.000000
3FIL3	.000000	.000000	.000000	.000000
3FIL4	.000000	.000000	.000000	.000000
3FIL5	.000000	.000000	.000000	.000000
3FIL6	.000000	.000000	.000000	.000000
3FIL7	.000000	.000000	.000000	.000000
3FIL8	.000000	.000000	.000000	.000000
3FIL9	.000000	.000000	.000000	.000000
4FIL1	.000000	.000000	.000000	.000000
4FIL2	.000000	.000000	.000000	.000000
4FIL3	.000000	.000000	.000000	.000000
4FIL4	.000000	.000000	.000000	.000000
4FIL5	.000000	.000000	.000000	.000000
4FIL6	.000000	.000000	.000000	.000000
4FIL7	.000000	.000000	.000000	.000000
4FIL8	.000000	.000000	.000000	.000000
4FIL9	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
1FIL10	.000000	.000000	.000000	.000000
1FIL11	.000000	.000000	.000000	.000000
1FIL12	.000000	.000000	.000000	.000000
1FIL13	.000000	.000000	.000000	.000000
1FIL14	.000000	.000000	.000000	.000000
1FIL15	.000000	.000000	.000000	.000000
2FIL10	.000000	.000000	.000000	.000000
2FIL11	.000000	.000000	.000000	.000000
2FIL12	.000000	.000000	.000000	.000000
2FIL13	.000000	.000000	.000000	.000000
2FIL14	.000000	.000000	.000000	.000000

2FIL15	.000000	.000000	.000000	.000000
3FIL10	.000000	.000000	.000000	.000000
3FIL11	.000000	.000000	.000000	.000000
3FIL12	.000000	.000000	.000000	.000000
3FIL13	.000000	.000000	.000000	.000000
3FIL14	.000000	.000000	.000000	.000000
3FIL15	.000000	.000000	.000000	.000000
4FIL10	.000000	.000000	.000000	.000000
4FIL11	.000000	.000000	.000000	.000000
4FIL12	.000000	.000000	.000000	.000000
4FIL13	.000000	.000000	.000000	.000000
4FIL14	.000000	.000000	.000000	.000000
4FIL15	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADMANIFOLD ----------

JOINT	FX	FY	FZ	MY
D1	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
F1	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F4	.000000	.000000	.000000	.000000
F5	.000000	.000000	.000000	.000000
F6	.000000	.000000	.000000	.000000
F7	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
G1	.000000	.000000	.000000	.000000
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H1	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H4	.000000	.000000	.000000	.000000
H5	.000000	.000000	.000000	.000000
H6	.000000	.000000	.000000	.000000
H7	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000

I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J4	.000000	.000000	.000000	.000000
J5	.000000	.000000	.000000	.000000
J6	.000000	.000000	.000000	.000000
J7	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L4	.000000	.000000	.000000	.000000
L5	.000000	.000000	.000000	.000000
L6	.000000	.000000	.000000	.000000
L7	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
O9	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
D10	.000000	.000000	.000000	.000000

D11	.000000	.000000	.000000	.000000
D12	.000000	.000000	.000000	.000000
D13	.000000	.000000	.000000	.000000
D14	.000000	.000000	.000000	.000000
D15	.000000	.000000	.000000	.000000
F10	.000000	.000000	.000000	.000000
F11	.000000	.000000	.000000	.000000
F12	.000000	.000000	.000000	.000000
F13	.000000	.000000	.000000	.000000
F14	.000000	.000000	.000000	.000000
F15	.000000	.000000	.000000	.000000
G10	.000000	.000000	.000000	.000000
G11	.000000	.000000	.000000	.000000
G12	.000000	.000000	.000000	.000000
G13	.000000	.000000	.000000	.000000
G14	.000000	.000000	.000000	.000000
G15	.000000	.000000	.000000	.000000
H10	.000000	.000000	.000000	.000000
H11	.000000	.000000	.000000	.000000
H12	.000000	.000000	.000000	.000000
H13	.000000	.000000	.000000	.000000
H14	.000000	.000000	.000000	.000000
H15	.000000	.000000	.000000	.000000
I10	.000000	.000000	.000000	.000000
I11	.000000	.000000	.000000	.000000
I12	.000000	.000000	.000000	.000000
I13	.000000	.000000	.000000	.000000
I14	.000000	.000000	.000000	.000000
I15	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
J11	.000000	.000000	.000000	.000000
J12	.000000	.000000	.000000	.000000
J13	.000000	.000000	.000000	.000000
J14	.000000	.000000	.000000	.000000
J15	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K11	.000000	.000000	.000000	.000000
K12	.000000	.000000	.000000	.000000
K13	.000000	.000000	.000000	.000000
K14	.000000	.000000	.000000	.000000
K15	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
L11	.000000	.000000	.000000	.000000
L12	.000000	.000000	.000000	.000000
L13	.000000	.000000	.000000	.000000
L14	.000000	.000000	.000000	.000000
L15	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000
P11	.000000	.000000	.000000	.000000
P12	.000000	.000000	.000000	.000000

P13	.000000	.000000	.000000	.000000
P14	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
1FIL1	.000000	.000000	.000000	.000000
1FIL2	.000000	.000000	.000000	.000000
1FIL3	.000000	.000000	.000000	.000000
1FIL4	.000000	.000000	.000000	.000000
1FIL5	.000000	.000000	.000000	.000000
1FIL6	.000000	.000000	.000000	.000000
1FIL7	.000000	.000000	.000000	.000000
1FIL8	.000000	.000000	.000000	.000000
1FIL9	.000000	.000000	.000000	.000000
2FIL1	.000000	.000000	.000000	.000000
2FIL2	.000000	.000000	.000000	.000000
2FIL3	.000000	.000000	.000000	.000000
2FIL4	.000000	.000000	.000000	.000000
2FIL5	.000000	.000000	.000000	.000000
2FIL6	.000000	.000000	.000000	.000000
2FIL7	.000000	.000000	.000000	.000000
2FIL8	.000000	.000000	.000000	.000000
2FIL9	.000000	.000000	.000000	.000000
3FIL1	.000000	.000000	.000000	.000000
3FIL2	.000000	.000000	.000000	.000000
3FIL3	.000000	.000000	.000000	.000000
3FIL4	.000000	.000000	.000000	.000000
3FIL5	.000000	.000000	.000000	.000000
3FIL6	.000000	.000000	.000000	.000000
3FIL7	.000000	.000000	.000000	.000000
3FIL8	.000000	.000000	.000000	.000000
3FIL9	.000000	.000000	.000000	.000000
4FIL1	.000000	.000000	.000000	.000000
4FIL2	.000000	.000000	.000000	.000000
4FIL3	.000000	.000000	.000000	.000000
4FIL4	.000000	.000000	.000000	.000000
4FIL5	.000000	.000000	.000000	.000000
4FIL6	.000000	.000000	.000000	.000000
4FIL7	.000000	.000000	.000000	.000000
4FIL8	.000000	.000000	.000000	.000000
4FIL9	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
1FIL10	.000000	.000000	.000000	.000000
1FIL11	.000000	.000000	.000000	.000000
1FIL12	.000000	.000000	.000000	.000000
1FIL13	.000000	.000000	.000000	.000000
1FIL14	.000000	.000000	.000000	.000000
1FIL15	.000000	.000000	.000000	.000000
2FIL10	.000000	.000000	.000000	.000000
2FIL11	.000000	.000000	.000000	.000000
2FIL12	.000000	.000000	.000000	.000000
2FIL13	.000000	.000000	.000000	.000000
2FIL14	.000000	.000000	.000000	.000000
2FIL15	.000000	.000000	.000000	.000000
3FIL10	.000000	.000000	.000000	.000000
3FIL11	.000000	.000000	.000000	.000000
3FIL12	.000000	.000000	.000000	.000000

3FIL13	.000000	.000000	.000000	.000000
3FIL14	.000000	.000000	.000000	.000000
3FIL15	.000000	.000000	.000000	.000000
4FIL10	.000000	.000000	.000000	.000000
4FIL11	.000000	.000000	.000000	.000000
4FIL12	.000000	.000000	.000000	.000000
4FIL13	.000000	.000000	.000000	.000000
4FIL14	.000000	.000000	.000000	.000000
4FIL15	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOAD TBAR ----------

JOINT	FX	FY	FZ	MY
D1	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
F1	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F4	.000000	.000000	.000000	.000000
F5	.000000	.000000	.000000	.000000
F6	.000000	.000000	.000000	.000000
F7	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
G1	.000000	.000000	.000000	.000000
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H1	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H4	.000000	.000000	.000000	.000000
H5	.000000	.000000	.000000	.000000
H6	.000000	.000000	.000000	.000000
H7	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000

I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J4	.000000	.000000	.000000	.000000
J5	.000000	.000000	.000000	.000000
J6	.000000	.000000	.000000	.000000
J7	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L4	.000000	.000000	.000000	.000000
L5	.000000	.000000	.000000	.000000
L6	.000000	.000000	.000000	.000000
L7	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
O9	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
D10	.000000	.000000	.000000	.000000
D11	.000000	.000000	.000000	.000000
D12	.000000	.000000	.000000	.000000
D13	.000000	.000000	.000000	.000000
D14	.000000	.000000	.000000	.000000

D15	.000000	.000000	.000000	.000000
F10	.000000	.000000	.000000	.000000
F11	.000000	.000000	.000000	.000000
F12	.000000	.000000	.000000	.000000
F13	.000000	.000000	.000000	.000000
F14	.000000	.000000	.000000	.000000
F15	.000000	.000000	.000000	.000000
G10	.000000	.000000	.000000	.000000
G11	.000000	.000000	.000000	.000000
G12	.000000	.000000	.000000	.000000
G13	.000000	.000000	.000000	.000000
G14	.000000	.000000	.000000	.000000
G15	.000000	.000000	.000000	.000000
H10	.000000	.000000	.000000	.000000
H11	.000000	.000000	.000000	.000000
H12	.000000	.000000	.000000	.000000
H13	.000000	.000000	.000000	.000000
H14	.000000	.000000	.000000	.000000
H15	.000000	.000000	.000000	.000000
I10	.000000	.000000	.000000	.000000
I11	.000000	.000000	.000000	.000000
I12	.000000	.000000	.000000	.000000
I13	.000000	.000000	.000000	.000000
I14	.000000	.000000	.000000	.000000
I15	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
J11	.000000	.000000	.000000	.000000
J12	.000000	.000000	.000000	.000000
J13	.000000	.000000	.000000	.000000
J14	.000000	.000000	.000000	.000000
J15	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K11	.000000	.000000	.000000	.000000
K12	.000000	.000000	.000000	.000000
K13	.000000	.000000	.000000	.000000
K14	.000000	.000000	.000000	.000000
K15	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
L11	.000000	.000000	.000000	.000000
L12	.000000	.000000	.000000	.000000
L13	.000000	.000000	.000000	.000000
L14	.000000	.000000	.000000	.000000
L15	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000
P11	.000000	.000000	.000000	.000000
P12	.000000	.000000	.000000	.000000
P13	.000000	.000000	.000000	.000000
P14	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
1FIL1	.000000	.000000	.000000	.000000

1FIL2	.000000	.000000	.000000	.000000
1FIL3	.000000	.000000	.000000	.000000
1FIL4	.000000	.000000	.000000	.000000
1FIL5	.000000	.000000	.000000	.000000
1FIL6	.000000	.000000	.000000	.000000
1FIL7	.000000	.000000	.000000	.000000
1FIL8	.000000	.000000	.000000	.000000
1FIL9	.000000	.000000	.000000	.000000
2FIL1	.000000	.000000	.000000	.000000
2FIL2	.000000	.000000	.000000	.000000
2FIL3	.000000	.000000	.000000	.000000
2FIL4	.000000	.000000	.000000	.000000
2FIL5	.000000	.000000	.000000	.000000
2FIL6	.000000	.000000	.000000	.000000
2FIL7	.000000	.000000	.000000	.000000
2FIL8	.000000	.000000	.000000	.000000
2FIL9	.000000	.000000	.000000	.000000
3FIL1	.000000	.000000	.000000	.000000
3FIL2	.000000	.000000	.000000	.000000
3FIL3	.000000	.000000	.000000	.000000
3FIL4	.000000	.000000	.000000	.000000
3FIL5	.000000	.000000	.000000	.000000
3FIL6	.000000	.000000	.000000	.000000
3FIL7	.000000	.000000	.000000	.000000
3FIL8	.000000	.000000	.000000	.000000
3FIL9	.000000	.000000	.000000	.000000
4FIL1	.000000	.000000	.000000	.000000
4FIL2	.000000	.000000	.000000	.000000
4FIL3	.000000	.000000	.000000	.000000
4FIL4	.000000	.000000	.000000	.000000
4FIL5	.000000	.000000	.000000	.000000
4FIL6	.000000	.000000	.000000	.000000
4FIL7	.000000	.000000	.000000	.000000
4FIL8	.000000	.000000	.000000	.000000
4FIL9	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
1FIL10	.000000	.000000	.000000	.000000
1FIL11	.000000	.000000	.000000	.000000
1FIL12	.000000	.000000	.000000	.000000
1FIL13	.000000	.000000	.000000	.000000
1FIL14	.000000	.000000	.000000	.000000
1FIL15	.000000	.000000	.000000	.000000
2FIL10	.000000	.000000	.000000	.000000
2FIL11	.000000	.000000	.000000	.000000
2FIL12	.000000	.000000	.000000	.000000
2FIL13	.000000	.000000	.000000	.000000
2FIL14	.000000	.000000	.000000	.000000
2FIL15	.000000	.000000	.000000	.000000
3FIL10	.000000	.000000	.000000	.000000
3FIL11	.000000	.000000	.000000	.000000
3FIL12	.000000	.000000	.000000	.000000
3FIL13	.000000	.000000	.000000	.000000
3FIL14	.000000	.000000	.000000	.000000
3FIL15	.000000	.000000	.000000	.000000
4FIL10	.000000	.000000	.000000	.000000

4FIL11	.000000	.000000	.000000	.000000
4FIL12	.000000	.000000	.000000	.000000
4FIL13	.000000	.000000	.000000	.000000
4FIL14	.000000	.000000	.000000	.000000
4FIL15	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADTOPCOVER ----------

JOINT	FX	FY	FZ	MY
D1	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
F1	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F4	.000000	.000000	.000000	.000000
F5	.000000	.000000	.000000	.000000
F6	.000000	.000000	.000000	.000000
F7	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
G1	.000000	.000000	.000000	.000000
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H1	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H4	.000000	.000000	.000000	.000000
H5	.000000	.000000	.000000	.000000
H6	.000000	.000000	.000000	.000000
H7	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000

J4	.000000	.000000	.000000	.000000
J5	.000000	.000000	.000000	.000000
J6	.000000	.000000	.000000	.000000
J7	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L4	.000000	.000000	.000000	.000000
L5	.000000	.000000	.000000	.000000
L6	.000000	.000000	.000000	.000000
L7	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
O9	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
D10	.000000	.000000	.000000	.000000
D11	.000000	.000000	.000000	.000000
D12	.000000	.000000	.000000	.000000
D13	.000000	.000000	.000000	.000000
D14	.000000	.000000	.000000	.000000
D15	.000000	.000000	.000000	.000000
F10	.000000	.000000	.000000	.000000
F11	.000000	.000000	.000000	.000000
F12	.000000	.000000	.000000	.000000

F13	.000000	.000000	.000000	.000000
F14	.000000	.000000	.000000	.000000
F15	.000000	.000000	.000000	.000000
G10	.000000	.000000	.000000	.000000
G11	.000000	.000000	.000000	.000000
G12	.000000	.000000	.000000	.000000
G13	.000000	.000000	.000000	.000000
G14	.000000	.000000	.000000	.000000
G15	.000000	.000000	.000000	.000000
H10	.000000	.000000	.000000	.000000
H11	.000000	.000000	.000000	.000000
H12	.000000	.000000	.000000	.000000
H13	.000000	.000000	.000000	.000000
H14	.000000	.000000	.000000	.000000
H15	.000000	.000000	.000000	.000000
I10	.000000	.000000	.000000	.000000
I11	.000000	.000000	.000000	.000000
I12	.000000	.000000	.000000	.000000
I13	.000000	.000000	.000000	.000000
I14	.000000	.000000	.000000	.000000
I15	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
J11	.000000	.000000	.000000	.000000
J12	.000000	.000000	.000000	.000000
J13	.000000	.000000	.000000	.000000
J14	.000000	.000000	.000000	.000000
J15	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K11	.000000	.000000	.000000	.000000
K12	.000000	.000000	.000000	.000000
K13	.000000	.000000	.000000	.000000
K14	.000000	.000000	.000000	.000000
K15	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
L11	.000000	.000000	.000000	.000000
L12	.000000	.000000	.000000	.000000
L13	.000000	.000000	.000000	.000000
L14	.000000	.000000	.000000	.000000
L15	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000
P11	.000000	.000000	.000000	.000000
P12	.000000	.000000	.000000	.000000
P13	.000000	.000000	.000000	.000000
P14	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
1FIL1	.000000	.000000	.000000	.000000
1FIL2	.000000	.000000	.000000	.000000
1FIL3	.000000	.000000	.000000	.000000
1FIL4	.000000	.000000	.000000	.000000
1FIL5	.000000	.000000	.000000	.000000

1FIL6	.000000	.000000	.000000	.000000
1FIL7	.000000	.000000	.000000	.000000
1FIL8	.000000	.000000	.000000	.000000
1FIL9	.000000	.000000	.000000	.000000
2FIL1	.000000	.000000	.000000	.000000
2FIL2	.000000	.000000	.000000	.000000
2FIL3	.000000	.000000	.000000	.000000
2FIL4	.000000	.000000	.000000	.000000
2FIL5	.000000	.000000	.000000	.000000
2FIL6	.000000	.000000	.000000	.000000
2FIL7	.000000	.000000	.000000	.000000
2FIL8	.000000	.000000	.000000	.000000
2FIL9	.000000	.000000	.000000	.000000
3FIL1	.000000	.000000	.000000	.000000
3FIL2	.000000	.000000	.000000	.000000
3FIL3	.000000	.000000	.000000	.000000
3FIL4	.000000	.000000	.000000	.000000
3FIL5	.000000	.000000	.000000	.000000
3FIL6	.000000	.000000	.000000	.000000
3FIL7	.000000	.000000	.000000	.000000
3FIL8	.000000	.000000	.000000	.000000
3FIL9	.000000	.000000	.000000	.000000
4FIL1	.000000	.000000	.000000	.000000
4FIL2	.000000	.000000	.000000	.000000
4FIL3	.000000	.000000	.000000	.000000
4FIL4	.000000	.000000	.000000	.000000
4FIL5	.000000	.000000	.000000	.000000
4FIL6	.000000	.000000	.000000	.000000
4FIL7	.000000	.000000	.000000	.000000
4FIL8	.000000	.000000	.000000	.000000
4FIL9	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
1FIL10	.000000	.000000	.000000	.000000
1FIL11	.000000	.000000	.000000	.000000
1FIL12	.000000	.000000	.000000	.000000
1FIL13	.000000	.000000	.000000	.000000
1FIL14	.000000	.000000	.000000	.000000
1FIL15	.000000	.000000	.000000	.000000
2FIL10	.000000	.000000	.000000	.000000
2FIL11	.000000	.000000	.000000	.000000
2FIL12	.000000	.000000	.000000	.000000
2FIL13	.000000	.000000	.000000	.000000
2FIL14	.000000	.000000	.000000	.000000
2FIL15	.000000	.000000	.000000	.000000
3FIL10	.000000	.000000	.000000	.000000
3FIL11	.000000	.000000	.000000	.000000
3FIL12	.000000	.000000	.000000	.000000
3FIL13	.000000	.000000	.000000	.000000
3FIL14	.000000	.000000	.000000	.000000
3FIL15	.000000	.000000	.000000	.000000
4FIL10	.000000	.000000	.000000	.000000
4FIL11	.000000	.000000	.000000	.000000
4FIL12	.000000	.000000	.000000	.000000
4FIL13	.000000	.000000	.000000	.000000
4FIL14	.000000	.000000	.000000	.000000

4FIL15	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOAD PEWALLS ----------

JOINT	FX	FY	FZ	MY
D1	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
F1	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F4	.000000	.000000	.000000	.000000
F5	.000000	.000000	.000000	.000000
F6	.000000	.000000	.000000	.000000
F7	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
G1	.000000	.000000	.000000	.000000
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H1	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H4	.000000	.000000	.000000	.000000
H5	.000000	.000000	.000000	.000000
H6	.000000	.000000	.000000	.000000
H7	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J4	.000000	.000000	.000000	.000000
J5	.000000	.000000	.000000	.000000
J6	.000000	.000000	.000000	.000000
J7	.000000	.000000	.000000	.000000

J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L4	.000000	.000000	.000000	.000000
L5	.000000	.000000	.000000	.000000
L6	.000000	.000000	.000000	.000000
L7	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
O9	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
D10	.000000	.000000	.000000	.000000
D11	.000000	.000000	.000000	.000000
D12	.000000	.000000	.000000	.000000
D13	.000000	.000000	.000000	.000000
D14	.000000	.000000	.000000	.000000
D15	.000000	.000000	.000000	.000000
F10	.000000	.000000	.000000	.000000
F11	.000000	.000000	.000000	.000000
F12	.000000	.000000	.000000	.000000
F13	.000000	.000000	.000000	.000000
F14	.000000	.000000	.000000	.000000
F15	.000000	.000000	.000000	.000000
G10	.000000	.000000	.000000	.000000

G11	.000000	.000000	.000000	.000000
G12	.000000	.000000	.000000	.000000
G13	.000000	.000000	.000000	.000000
G14	.000000	.000000	.000000	.000000
G15	.000000	.000000	.000000	.000000
H10	.000000	.000000	.000000	.000000
H11	.000000	.000000	.000000	.000000
H12	.000000	.000000	.000000	.000000
H13	.000000	.000000	.000000	.000000
H14	.000000	.000000	.000000	.000000
H15	.000000	.000000	.000000	.000000
I10	.000000	.000000	.000000	.000000
I11	.000000	.000000	.000000	.000000
I12	.000000	.000000	.000000	.000000
I13	.000000	.000000	.000000	.000000
I14	.000000	.000000	.000000	.000000
I15	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
J11	.000000	.000000	.000000	.000000
J12	.000000	.000000	.000000	.000000
J13	.000000	.000000	.000000	.000000
J14	.000000	.000000	.000000	.000000
J15	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K11	.000000	.000000	.000000	.000000
K12	.000000	.000000	.000000	.000000
K13	.000000	.000000	.000000	.000000
K14	.000000	.000000	.000000	.000000
K15	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
L11	.000000	.000000	.000000	.000000
L12	.000000	.000000	.000000	.000000
L13	.000000	.000000	.000000	.000000
L14	.000000	.000000	.000000	.000000
L15	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000
P11	.000000	.000000	.000000	.000000
P12	.000000	.000000	.000000	.000000
P13	.000000	.000000	.000000	.000000
P14	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
1FIL1	.000000	.000000	.000000	.000000
1FIL2	.000000	.000000	.000000	.000000
1FIL3	.000000	.000000	.000000	.000000
1FIL4	.000000	.000000	.000000	.000000
1FIL5	.000000	.000000	.000000	.000000
1FIL6	.000000	.000000	.000000	.000000
1FIL7	.000000	.000000	.000000	.000000
1FIL8	.000000	.000000	.000000	.000000
1FIL9	.000000	.000000	.000000	.000000

2FIL1	.000000	.000000	.000000	.000000
2FIL2	.000000	.000000	.000000	.000000
2FIL3	.000000	.000000	.000000	.000000
2FIL4	.000000	.000000	.000000	.000000
2FIL5	.000000	.000000	.000000	.000000
2FIL6	.000000	.000000	.000000	.000000
2FIL7	.000000	.000000	.000000	.000000
2FIL8	.000000	.000000	.000000	.000000
2FIL9	.000000	.000000	.000000	.000000
3FIL1	.000000	.000000	.000000	.000000
3FIL2	.000000	.000000	.000000	.000000
3FIL3	.000000	.000000	.000000	.000000
3FIL4	.000000	.000000	.000000	.000000
3FIL5	.000000	.000000	.000000	.000000
3FIL6	.000000	.000000	.000000	.000000
3FIL7	.000000	.000000	.000000	.000000
3FIL8	.000000	.000000	.000000	.000000
3FIL9	.000000	.000000	.000000	.000000
4FIL1	.000000	.000000	.000000	.000000
4FIL2	.000000	.000000	.000000	.000000
4FIL3	.000000	.000000	.000000	.000000
4FIL4	.000000	.000000	.000000	.000000
4FIL5	.000000	.000000	.000000	.000000
4FIL6	.000000	.000000	.000000	.000000
4FIL7	.000000	.000000	.000000	.000000
4FIL8	.000000	.000000	.000000	.000000
4FIL9	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
1FIL10	.000000	.000000	.000000	.000000
1FIL11	.000000	.000000	.000000	.000000
1FIL12	.000000	.000000	.000000	.000000
1FIL13	.000000	.000000	.000000	.000000
1FIL14	.000000	.000000	.000000	.000000
1FIL15	.000000	.000000	.000000	.000000
2FIL10	.000000	.000000	.000000	.000000
2FIL11	.000000	.000000	.000000	.000000
2FIL12	.000000	.000000	.000000	.000000
2FIL13	.000000	.000000	.000000	.000000
2FIL14	.000000	.000000	.000000	.000000
2FIL15	.000000	.000000	.000000	.000000
3FIL10	.000000	.000000	.000000	.000000
3FIL11	.000000	.000000	.000000	.000000
3FIL12	.000000	.000000	.000000	.000000
3FIL13	.000000	.000000	.000000	.000000
3FIL14	.000000	.000000	.000000	.000000
3FIL15	.000000	.000000	.000000	.000000
4FIL10	.000000	.000000	.000000	.000000
4FIL11	.000000	.000000	.000000	.000000
4FIL12	.000000	.000000	.000000	.000000
4FIL13	.000000	.000000	.000000	.000000
4FIL14	.000000	.000000	.000000	.000000
4FIL15	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000

5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADHOTBASIN ----------

JOINT	FX	FY	FZ	MY
D1	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
F1	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F4	.000000	.000000	.000000	.000000
F5	.000000	.000000	.000000	.000000
F6	.000000	.000000	.000000	.000000
F7	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
G1	.000000	.000000	.000000	.000000
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H1	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H4	.000000	.000000	.000000	.000000
H5	.000000	.000000	.000000	.000000
H6	.000000	.000000	.000000	.000000
H7	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J4	.000000	.000000	.000000	.000000
J5	.000000	.000000	.000000	.000000
J6	.000000	.000000	.000000	.000000
J7	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000

K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L4	.000000	.000000	.000000	.000000
L5	.000000	.000000	.000000	.000000
L6	.000000	.000000	.000000	.000000
L7	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
O9	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
D10	.000000	.000000	.000000	.000000
D11	.000000	.000000	.000000	.000000
D12	.000000	.000000	.000000	.000000
D13	.000000	.000000	.000000	.000000
D14	.000000	.000000	.000000	.000000
D15	.000000	.000000	.000000	.000000
F10	.000000	.000000	.000000	.000000
F11	.000000	.000000	.000000	.000000
F12	.000000	.000000	.000000	.000000
F13	.000000	.000000	.000000	.000000
F14	.000000	.000000	.000000	.000000
F15	.000000	.000000	.000000	.000000
G10	.000000	.000000	.000000	.000000
G11	.000000	.000000	.000000	.000000
G12	.000000	.000000	.000000	.000000
G13	.000000	.000000	.000000	.000000
G14	.000000	.000000	.000000	.000000

G15	.000000	.000000	.000000	.000000
H10	.000000	.000000	.000000	.000000
H11	.000000	.000000	.000000	.000000
H12	.000000	.000000	.000000	.000000
H13	.000000	.000000	.000000	.000000
H14	.000000	.000000	.000000	.000000
H15	.000000	.000000	.000000	.000000
I10	.000000	.000000	.000000	.000000
I11	.000000	.000000	.000000	.000000
I12	.000000	.000000	.000000	.000000
I13	.000000	.000000	.000000	.000000
I14	.000000	.000000	.000000	.000000
I15	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
J11	.000000	.000000	.000000	.000000
J12	.000000	.000000	.000000	.000000
J13	.000000	.000000	.000000	.000000
J14	.000000	.000000	.000000	.000000
J15	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K11	.000000	.000000	.000000	.000000
K12	.000000	.000000	.000000	.000000
K13	.000000	.000000	.000000	.000000
K14	.000000	.000000	.000000	.000000
K15	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
L11	.000000	.000000	.000000	.000000
L12	.000000	.000000	.000000	.000000
L13	.000000	.000000	.000000	.000000
L14	.000000	.000000	.000000	.000000
L15	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000
P11	.000000	.000000	.000000	.000000
P12	.000000	.000000	.000000	.000000
P13	.000000	.000000	.000000	.000000
P14	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
1FIL1	.000000	.000000	.000000	.000000
1FIL2	.000000	.000000	.000000	.000000
1FIL3	.000000	.000000	.000000	.000000
1FIL4	.000000	.000000	.000000	.000000
1FIL5	.000000	.000000	.000000	.000000
1FIL6	.000000	.000000	.000000	.000000
1FIL7	.000000	.000000	.000000	.000000
1FIL8	.000000	.000000	.000000	.000000
1FIL9	.000000	.000000	.000000	.000000
2FIL1	.000000	.000000	.000000	.000000
2FIL2	.000000	.000000	.000000	.000000
2FIL3	.000000	.000000	.000000	.000000
2FIL4	.000000	.000000	.000000	.000000

2FIL5	.000000	.000000	.000000	.000000
2FIL6	.000000	.000000	.000000	.000000
2FIL7	.000000	.000000	.000000	.000000
2FIL8	.000000	.000000	.000000	.000000
2FIL9	.000000	.000000	.000000	.000000
3FIL1	.000000	.000000	.000000	.000000
3FIL2	.000000	.000000	.000000	.000000
3FIL3	.000000	.000000	.000000	.000000
3FIL4	.000000	.000000	.000000	.000000
3FIL5	.000000	.000000	.000000	.000000
3FIL6	.000000	.000000	.000000	.000000
3FIL7	.000000	.000000	.000000	.000000
3FIL8	.000000	.000000	.000000	.000000
3FIL9	.000000	.000000	.000000	.000000
4FIL1	.000000	.000000	.000000	.000000
4FIL2	.000000	.000000	.000000	.000000
4FIL3	.000000	.000000	.000000	.000000
4FIL4	.000000	.000000	.000000	.000000
4FIL5	.000000	.000000	.000000	.000000
4FIL6	.000000	.000000	.000000	.000000
4FIL7	.000000	.000000	.000000	.000000
4FIL8	.000000	.000000	.000000	.000000
4FIL9	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
1FIL10	.000000	.000000	.000000	.000000
1FIL11	.000000	.000000	.000000	.000000
1FIL12	.000000	.000000	.000000	.000000
1FIL13	.000000	.000000	.000000	.000000
1FIL14	.000000	.000000	.000000	.000000
1FIL15	.000000	.000000	.000000	.000000
2FIL10	.000000	.000000	.000000	.000000
2FIL11	.000000	.000000	.000000	.000000
2FIL12	.000000	.000000	.000000	.000000
2FIL13	.000000	.000000	.000000	.000000
2FIL14	.000000	.000000	.000000	.000000
2FIL15	.000000	.000000	.000000	.000000
3FIL10	.000000	.000000	.000000	.000000
3FIL11	.000000	.000000	.000000	.000000
3FIL12	.000000	.000000	.000000	.000000
3FIL13	.000000	.000000	.000000	.000000
3FIL14	.000000	.000000	.000000	.000000
3FIL15	.000000	.000000	.000000	.000000
4FIL10	.000000	.000000	.000000	.000000
4FIL11	.000000	.000000	.000000	.000000
4FIL12	.000000	.000000	.000000	.000000
4FIL13	.000000	.000000	.000000	.000000
4FIL14	.000000	.000000	.000000	.000000
4FIL15	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADDRIFTELM ----------

JOINT	FX	FY	FZ	MY
D1	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
F1	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F4	.000000	.000000	.000000	.000000
F5	.000000	.000000	.000000	.000000
F6	.000000	.000000	.000000	.000000
F7	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
G1	.000000	.000000	.000000	.000000
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H1	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H4	.000000	.000000	.000000	.000000
H5	.000000	.000000	.000000	.000000
H6	.000000	.000000	.000000	.000000
H7	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J4	.000000	.000000	.000000	.000000
J5	.000000	.000000	.000000	.000000
J6	.000000	.000000	.000000	.000000
J7	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000

K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L4	.000000	.000000	.000000	.000000
L5	.000000	.000000	.000000	.000000
L6	.000000	.000000	.000000	.000000
L7	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
O9	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
D10	.000000	.000000	.000000	.000000
D11	.000000	.000000	.000000	.000000
D12	.000000	.000000	.000000	.000000
D13	.000000	.000000	.000000	.000000
D14	.000000	.000000	.000000	.000000
D15	.000000	.000000	.000000	.000000
F10	.000000	.000000	.000000	.000000
F11	.000000	.000000	.000000	.000000
F12	.000000	.000000	.000000	.000000
F13	.000000	.000000	.000000	.000000
F14	.000000	.000000	.000000	.000000
F15	.000000	.000000	.000000	.000000
G10	.000000	.000000	.000000	.000000
G11	.000000	.000000	.000000	.000000
G12	.000000	.000000	.000000	.000000
G13	.000000	.000000	.000000	.000000
G14	.000000	.000000	.000000	.000000
G15	.000000	.000000	.000000	.000000
H10	.000000	.000000	.000000	.000000
H11	.000000	.000000	.000000	.000000
H12	.000000	.000000	.000000	.000000

H13	.000000	.000000	.000000	.000000
H14	.000000	.000000	.000000	.000000
H15	.000000	.000000	.000000	.000000
I10	.000000	.000000	.000000	.000000
I11	.000000	.000000	.000000	.000000
I12	.000000	.000000	.000000	.000000
I13	.000000	.000000	.000000	.000000
I14	.000000	.000000	.000000	.000000
I15	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
J11	.000000	.000000	.000000	.000000
J12	.000000	.000000	.000000	.000000
J13	.000000	.000000	.000000	.000000
J14	.000000	.000000	.000000	.000000
J15	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K11	.000000	.000000	.000000	.000000
K12	.000000	.000000	.000000	.000000
K13	.000000	.000000	.000000	.000000
K14	.000000	.000000	.000000	.000000
K15	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
L11	.000000	.000000	.000000	.000000
L12	.000000	.000000	.000000	.000000
L13	.000000	.000000	.000000	.000000
L14	.000000	.000000	.000000	.000000
L15	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000
P11	.000000	.000000	.000000	.000000
P12	.000000	.000000	.000000	.000000
P13	.000000	.000000	.000000	.000000
P14	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
1FIL1	.000000	.000000	.000000	.000000
1FIL2	.000000	.000000	.000000	.000000
1FIL3	.000000	.000000	.000000	.000000
1FIL4	.000000	.000000	.000000	.000000
1FIL5	.000000	.000000	.000000	.000000
1FIL6	.000000	.000000	.000000	.000000
1FIL7	.000000	.000000	.000000	.000000
1FIL8	.000000	.000000	.000000	.000000
1FIL9	.000000	.000000	.000000	.000000
2FIL1	.000000	.000000	.000000	.000000
2FIL2	.000000	.000000	.000000	.000000
2FIL3	.000000	.000000	.000000	.000000
2FIL4	.000000	.000000	.000000	.000000
2FIL5	.000000	.000000	.000000	.000000
2FIL6	.000000	.000000	.000000	.000000
2FIL7	.000000	.000000	.000000	.000000
2FIL8	.000000	.000000	.000000	.000000

2FIL9	.000000	.000000	.000000	.000000
3FIL1	.000000	.000000	.000000	.000000
3FIL2	.000000	.000000	.000000	.000000
3FIL3	.000000	.000000	.000000	.000000
3FIL4	.000000	.000000	.000000	.000000
3FIL5	.000000	.000000	.000000	.000000
3FIL6	.000000	.000000	.000000	.000000
3FIL7	.000000	.000000	.000000	.000000
3FIL8	.000000	.000000	.000000	.000000
3FIL9	.000000	.000000	.000000	.000000
4FIL1	.000000	.000000	.000000	.000000
4FIL2	.000000	.000000	.000000	.000000
4FIL3	.000000	.000000	.000000	.000000
4FIL4	.000000	.000000	.000000	.000000
4FIL5	.000000	.000000	.000000	.000000
4FIL6	.000000	.000000	.000000	.000000
4FIL7	.000000	.000000	.000000	.000000
4FIL8	.000000	.000000	.000000	.000000
4FIL9	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
1FIL10	.000000	.000000	.000000	.000000
1FIL11	.000000	.000000	.000000	.000000
1FIL12	.000000	.000000	.000000	.000000
1FIL13	.000000	.000000	.000000	.000000
1FIL14	.000000	.000000	.000000	.000000
1FIL15	.000000	.000000	.000000	.000000
2FIL10	.000000	.000000	.000000	.000000
2FIL11	.000000	.000000	.000000	.000000
2FIL12	.000000	.000000	.000000	.000000
2FIL13	.000000	.000000	.000000	.000000
2FIL14	.000000	.000000	.000000	.000000
2FIL15	.000000	.000000	.000000	.000000
3FIL10	.000000	.000000	.000000	.000000
3FIL11	.000000	.000000	.000000	.000000
3FIL12	.000000	.000000	.000000	.000000
3FIL13	.000000	.000000	.000000	.000000
3FIL14	.000000	.000000	.000000	.000000
3FIL15	.000000	.000000	.000000	.000000
4FIL10	.000000	.000000	.000000	.000000
4FIL11	.000000	.000000	.000000	.000000
4FIL12	.000000	.000000	.000000	.000000
4FIL13	.000000	.000000	.000000	.000000
4FIL14	.000000	.000000	.000000	.000000
4FIL15	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADFANMOTOR ----------

JOINT	FX	FY	FZ	MY
D1	.000000	.000000	.000000	.000000

D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
F1	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F4	.000000	.000000	.000000	.000000
F5	.000000	.000000	.000000	.000000
F6	.000000	.000000	.000000	.000000
F7	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
G1	.000000	.000000	.000000	.000000
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H1	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H4	.000000	.000000	.000000	.000000
H5	.000000	.000000	.000000	.000000
H6	.000000	.000000	.000000	.000000
H7	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J4	.000000	.000000	.000000	.000000
J5	.000000	.000000	.000000	.000000
J6	.000000	.000000	.000000	.000000
J7	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000

L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L4	.000000	.000000	.000000	.000000
L5	.000000	.000000	.000000	.000000
L6	.000000	.000000	.000000	.000000
L7	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
O9	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
D10	.000000	.000000	.000000	.000000
D11	.000000	.000000	.000000	.000000
D12	.000000	.000000	.000000	.000000
D13	.000000	.000000	.000000	.000000
D14	.000000	.000000	.000000	.000000
D15	.000000	.000000	.000000	.000000
F10	.000000	.000000	.000000	.000000
F11	.000000	.000000	.000000	.000000
F12	.000000	.000000	.000000	.000000
F13	.000000	.000000	.000000	.000000
F14	.000000	.000000	.000000	.000000
F15	.000000	.000000	.000000	.000000
G10	.000000	.000000	.000000	.000000
G11	.000000	.000000	.000000	.000000
G12	.000000	.000000	.000000	.000000
G13	.000000	.000000	.000000	.000000
G14	.000000	.000000	.000000	.000000
G15	.000000	.000000	.000000	.000000
H10	.000000	.000000	.000000	.000000
H11	.000000	.000000	.000000	.000000
H12	.000000	.000000	.000000	.000000
H13	.000000	.000000	.000000	.000000
H14	.000000	.000000	.000000	.000000
H15	.000000	.000000	.000000	.000000
I10	.000000	.000000	.000000	.000000

I11	.000000	.000000	.000000	.000000
I12	.000000	.000000	.000000	.000000
I13	.000000	.000000	.000000	.000000
I14	.000000	.000000	.000000	.000000
I15	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
J11	.000000	.000000	.000000	.000000
J12	.000000	.000000	.000000	.000000
J13	.000000	.000000	.000000	.000000
J14	.000000	.000000	.000000	.000000
J15	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K11	.000000	.000000	.000000	.000000
K12	.000000	.000000	.000000	.000000
K13	.000000	.000000	.000000	.000000
K14	.000000	.000000	.000000	.000000
K15	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
L11	.000000	.000000	.000000	.000000
L12	.000000	.000000	.000000	.000000
L13	.000000	.000000	.000000	.000000
L14	.000000	.000000	.000000	.000000
L15	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000
P11	.000000	.000000	.000000	.000000
P12	.000000	.000000	.000000	.000000
P13	.000000	.000000	.000000	.000000
P14	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
1FIL1	.000000	.000000	.000000	.000000
1FIL2	.000000	.000000	.000000	.000000
1FIL3	.000000	.000000	.000000	.000000
1FIL4	.000000	.000000	.000000	.000000
1FIL5	.000000	.000000	.000000	.000000
1FIL6	.000000	.000000	.000000	.000000
1FIL7	.000000	.000000	.000000	.000000
1FIL8	.000000	.000000	.000000	.000000
1FIL9	.000000	.000000	.000000	.000000
2FIL1	.000000	.000000	.000000	.000000
2FIL2	.000000	.000000	.000000	.000000
2FIL3	.000000	.000000	.000000	.000000
2FIL4	.000000	.000000	.000000	.000000
2FIL5	.000000	.000000	.000000	.000000
2FIL6	.000000	.000000	.000000	.000000
2FIL7	.000000	.000000	.000000	.000000
2FIL8	.000000	.000000	.000000	.000000
2FIL9	.000000	.000000	.000000	.000000
3FIL1	.000000	.000000	.000000	.000000
3FIL2	.000000	.000000	.000000	.000000
3FIL3	.000000	.000000	.000000	.000000

3FIL4	.000000	.000000	.000000	.000000
3FIL5	.000000	.000000	.000000	.000000
3FIL6	.000000	.000000	.000000	.000000
3FIL7	.000000	.000000	.000000	.000000
3FIL8	.000000	.000000	.000000	.000000
3FIL9	.000000	.000000	.000000	.000000
4FIL1	.000000	.000000	.000000	.000000
4FIL2	.000000	.000000	.000000	.000000
4FIL3	.000000	.000000	.000000	.000000
4FIL4	.000000	.000000	.000000	.000000
4FIL5	.000000	.000000	.000000	.000000
4FIL6	.000000	.000000	.000000	.000000
4FIL7	.000000	.000000	.000000	.000000
4FIL8	.000000	.000000	.000000	.000000
4FIL9	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
1FIL10	.000000	.000000	.000000	.000000
1FIL11	.000000	.000000	.000000	.000000
1FIL12	.000000	.000000	.000000	.000000
1FIL13	.000000	.000000	.000000	.000000
1FIL14	.000000	.000000	.000000	.000000
1FIL15	.000000	.000000	.000000	.000000
2FIL10	.000000	.000000	.000000	.000000
2FIL11	.000000	.000000	.000000	.000000
2FIL12	.000000	.000000	.000000	.000000
2FIL13	.000000	.000000	.000000	.000000
2FIL14	.000000	.000000	.000000	.000000
2FIL15	.000000	.000000	.000000	.000000
3FIL10	.000000	.000000	.000000	.000000
3FIL11	.000000	.000000	.000000	.000000
3FIL12	.000000	.000000	.000000	.000000
3FIL13	.000000	.000000	.000000	.000000
3FIL14	.000000	.000000	.000000	.000000
3FIL15	.000000	.000000	.000000	.000000
4FIL10	.000000	.000000	.000000	.000000
4FIL11	.000000	.000000	.000000	.000000
4FIL12	.000000	.000000	.000000	.000000
4FIL13	.000000	.000000	.000000	.000000
4FIL14	.000000	.000000	.000000	.000000
4FIL15	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADCABLETRY ----------

JOINT	FX	FY	FZ	MY
D1	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000

D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
F1	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F4	.000000	.000000	.000000	.000000
F5	.000000	.000000	.000000	.000000
F6	.000000	.000000	.000000	.000000
F7	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
G1	.000000	.000000	.000000	.000000
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H1	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H4	.000000	.000000	.000000	.000000
H5	.000000	.000000	.000000	.000000
H6	.000000	.000000	.000000	.000000
H7	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J4	.000000	.000000	.000000	.000000
J5	.000000	.000000	.000000	.000000
J6	.000000	.000000	.000000	.000000
J7	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L4	.000000	.000000	.000000	.000000
L5	.000000	.000000	.000000	.000000

L6	.000000	.000000	.000000	.000000
L7	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
O9	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
D10	.000000	.000000	.000000	.000000
D11	.000000	.000000	.000000	.000000
D12	.000000	.000000	.000000	.000000
D13	.000000	.000000	.000000	.000000
D14	.000000	.000000	.000000	.000000
D15	.000000	.000000	.000000	.000000
F10	.000000	.000000	.000000	.000000
F11	.000000	.000000	.000000	.000000
F12	.000000	.000000	.000000	.000000
F13	.000000	.000000	.000000	.000000
F14	.000000	.000000	.000000	.000000
F15	.000000	.000000	.000000	.000000
G10	.000000	.000000	.000000	.000000
G11	.000000	.000000	.000000	.000000
G12	.000000	.000000	.000000	.000000
G13	.000000	.000000	.000000	.000000
G14	.000000	.000000	.000000	.000000
G15	.000000	.000000	.000000	.000000
H10	.000000	.000000	.000000	.000000
H11	.000000	.000000	.000000	.000000
H12	.000000	.000000	.000000	.000000
H13	.000000	.000000	.000000	.000000
H14	.000000	.000000	.000000	.000000
H15	.000000	.000000	.000000	.000000
I10	.000000	.000000	.000000	.000000
I11	.000000	.000000	.000000	.000000
I12	.000000	.000000	.000000	.000000
I13	.000000	.000000	.000000	.000000
I14	.000000	.000000	.000000	.000000

I15	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
J11	.000000	.000000	.000000	.000000
J12	.000000	.000000	.000000	.000000
J13	.000000	.000000	.000000	.000000
J14	.000000	.000000	.000000	.000000
J15	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K11	.000000	.000000	.000000	.000000
K12	.000000	.000000	.000000	.000000
K13	.000000	.000000	.000000	.000000
K14	.000000	.000000	.000000	.000000
K15	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
L11	.000000	.000000	.000000	.000000
L12	.000000	.000000	.000000	.000000
L13	.000000	.000000	.000000	.000000
L14	.000000	.000000	.000000	.000000
L15	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000
P11	.000000	.000000	.000000	.000000
P12	.000000	.000000	.000000	.000000
P13	.000000	.000000	.000000	.000000
P14	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
1FIL1	.000000	.000000	.000000	.000000
1FIL2	.000000	.000000	.000000	.000000
1FIL3	.000000	.000000	.000000	.000000
1FIL4	.000000	.000000	.000000	.000000
1FIL5	.000000	.000000	.000000	.000000
1FIL6	.000000	.000000	.000000	.000000
1FIL7	.000000	.000000	.000000	.000000
1FIL8	.000000	.000000	.000000	.000000
1FIL9	.000000	.000000	.000000	.000000
2FIL1	.000000	.000000	.000000	.000000
2FIL2	.000000	.000000	.000000	.000000
2FIL3	.000000	.000000	.000000	.000000
2FIL4	.000000	.000000	.000000	.000000
2FIL5	.000000	.000000	.000000	.000000
2FIL6	.000000	.000000	.000000	.000000
2FIL7	.000000	.000000	.000000	.000000
2FIL8	.000000	.000000	.000000	.000000
2FIL9	.000000	.000000	.000000	.000000
3FIL1	.000000	.000000	.000000	.000000
3FIL2	.000000	.000000	.000000	.000000
3FIL3	.000000	.000000	.000000	.000000
3FIL4	.000000	.000000	.000000	.000000
3FIL5	.000000	.000000	.000000	.000000
3FIL6	.000000	.000000	.000000	.000000
3FIL7	.000000	.000000	.000000	.000000

3FIL8	.000000	.000000	.000000	.000000
3FIL9	.000000	.000000	.000000	.000000
4FIL1	.000000	.000000	.000000	.000000
4FIL2	.000000	.000000	.000000	.000000
4FIL3	.000000	.000000	.000000	.000000
4FIL4	.000000	.000000	.000000	.000000
4FIL5	.000000	.000000	.000000	.000000
4FIL6	.000000	.000000	.000000	.000000
4FIL7	.000000	.000000	.000000	.000000
4FIL8	.000000	.000000	.000000	.000000
4FIL9	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
1FIL10	.000000	.000000	.000000	.000000
1FIL11	.000000	.000000	.000000	.000000
1FIL12	.000000	.000000	.000000	.000000
1FIL13	.000000	.000000	.000000	.000000
1FIL14	.000000	.000000	.000000	.000000
1FIL15	.000000	.000000	.000000	.000000
2FIL10	.000000	.000000	.000000	.000000
2FIL11	.000000	.000000	.000000	.000000
2FIL12	.000000	.000000	.000000	.000000
2FIL13	.000000	.000000	.000000	.000000
2FIL14	.000000	.000000	.000000	.000000
2FIL15	.000000	.000000	.000000	.000000
3FIL10	.000000	.000000	.000000	.000000
3FIL11	.000000	.000000	.000000	.000000
3FIL12	.000000	.000000	.000000	.000000
3FIL13	.000000	.000000	.000000	.000000
3FIL14	.000000	.000000	.000000	.000000
3FIL15	.000000	.000000	.000000	.000000
4FIL10	.000000	.000000	.000000	.000000
4FIL11	.000000	.000000	.000000	.000000
4FIL12	.000000	.000000	.000000	.000000
4FIL13	.000000	.000000	.000000	.000000
4FIL14	.000000	.000000	.000000	.000000
4FIL15	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADLOUVERWL ----------

JOINT	FX	FY	FZ	MY
D1	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000

F1	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F4	.000000	.000000	.000000	.000000
F5	.000000	.000000	.000000	.000000
F6	.000000	.000000	.000000	.000000
F7	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
G1	.000000	.000000	.000000	.000000
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H1	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H4	.000000	.000000	.000000	.000000
H5	.000000	.000000	.000000	.000000
H6	.000000	.000000	.000000	.000000
H7	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J4	.000000	.000000	.000000	.000000
J5	.000000	.000000	.000000	.000000
J6	.000000	.000000	.000000	.000000
J7	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L4	.000000	.000000	.000000	.000000
L5	.000000	.000000	.000000	.000000
L6	.000000	.000000	.000000	.000000
L7	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000

M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
O9	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
D10	.000000	.000000	.000000	.000000
D11	.000000	.000000	.000000	.000000
D12	.000000	.000000	.000000	.000000
D13	.000000	.000000	.000000	.000000
D14	.000000	.000000	.000000	.000000
D15	.000000	.000000	.000000	.000000
F10	.000000	.000000	.000000	.000000
F11	.000000	.000000	.000000	.000000
F12	.000000	.000000	.000000	.000000
F13	.000000	.000000	.000000	.000000
F14	.000000	.000000	.000000	.000000
F15	.000000	.000000	.000000	.000000
G10	.000000	.000000	.000000	.000000
G11	.000000	.000000	.000000	.000000
G12	.000000	.000000	.000000	.000000
G13	.000000	.000000	.000000	.000000
G14	.000000	.000000	.000000	.000000
G15	.000000	.000000	.000000	.000000
H10	.000000	.000000	.000000	.000000
H11	.000000	.000000	.000000	.000000
H12	.000000	.000000	.000000	.000000
H13	.000000	.000000	.000000	.000000
H14	.000000	.000000	.000000	.000000
H15	.000000	.000000	.000000	.000000
I10	.000000	.000000	.000000	.000000
I11	.000000	.000000	.000000	.000000
I12	.000000	.000000	.000000	.000000
I13	.000000	.000000	.000000	.000000
I14	.000000	.000000	.000000	.000000
I15	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
J11	.000000	.000000	.000000	.000000
J12	.000000	.000000	.000000	.000000

J13	.000000	.000000	.000000	.000000
J14	.000000	.000000	.000000	.000000
J15	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K11	.000000	.000000	.000000	.000000
K12	.000000	.000000	.000000	.000000
K13	.000000	.000000	.000000	.000000
K14	.000000	.000000	.000000	.000000
K15	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
L11	.000000	.000000	.000000	.000000
L12	.000000	.000000	.000000	.000000
L13	.000000	.000000	.000000	.000000
L14	.000000	.000000	.000000	.000000
L15	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000
P11	.000000	.000000	.000000	.000000
P12	.000000	.000000	.000000	.000000
P13	.000000	.000000	.000000	.000000
P14	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
1FIL1	.000000	.000000	.000000	.000000
1FIL2	.000000	.000000	.000000	.000000
1FIL3	.000000	.000000	.000000	.000000
1FIL4	.000000	.000000	.000000	.000000
1FIL5	.000000	.000000	.000000	.000000
1FIL6	.000000	.000000	.000000	.000000
1FIL7	.000000	.000000	.000000	.000000
1FIL8	.000000	.000000	.000000	.000000
1FIL9	.000000	.000000	.000000	.000000
2FIL1	.000000	.000000	.000000	.000000
2FIL2	.000000	.000000	.000000	.000000
2FIL3	.000000	.000000	.000000	.000000
2FIL4	.000000	.000000	.000000	.000000
2FIL5	.000000	.000000	.000000	.000000
2FIL6	.000000	.000000	.000000	.000000
2FIL7	.000000	.000000	.000000	.000000
2FIL8	.000000	.000000	.000000	.000000
2FIL9	.000000	.000000	.000000	.000000
3FIL1	.000000	.000000	.000000	.000000
3FIL2	.000000	.000000	.000000	.000000
3FIL3	.000000	.000000	.000000	.000000
3FIL4	.000000	.000000	.000000	.000000
3FIL5	.000000	.000000	.000000	.000000
3FIL6	.000000	.000000	.000000	.000000
3FIL7	.000000	.000000	.000000	.000000
3FIL8	.000000	.000000	.000000	.000000
3FIL9	.000000	.000000	.000000	.000000
4FIL1	.000000	.000000	.000000	.000000
4FIL2	.000000	.000000	.000000	.000000

4FIL3	.000000	.000000	.000000	.000000
4FIL4	.000000	.000000	.000000	.000000
4FIL5	.000000	.000000	.000000	.000000
4FIL6	.000000	.000000	.000000	.000000
4FIL7	.000000	.000000	.000000	.000000
4FIL8	.000000	.000000	.000000	.000000
4FIL9	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
1FIL10	.000000	.000000	.000000	.000000
1FIL11	.000000	.000000	.000000	.000000
1FIL12	.000000	.000000	.000000	.000000
1FIL13	.000000	.000000	.000000	.000000
1FIL14	.000000	.000000	.000000	.000000
1FIL15	.000000	.000000	.000000	.000000
2FIL10	.000000	.000000	.000000	.000000
2FIL11	.000000	.000000	.000000	.000000
2FIL12	.000000	.000000	.000000	.000000
2FIL13	.000000	.000000	.000000	.000000
2FIL14	.000000	.000000	.000000	.000000
2FIL15	.000000	.000000	.000000	.000000
3FIL10	.000000	.000000	.000000	.000000
3FIL11	.000000	.000000	.000000	.000000
3FIL12	.000000	.000000	.000000	.000000
3FIL13	.000000	.000000	.000000	.000000
3FIL14	.000000	.000000	.000000	.000000
3FIL15	.000000	.000000	.000000	.000000
4FIL10	.000000	.000000	.000000	.000000
4FIL11	.000000	.000000	.000000	.000000
4FIL12	.000000	.000000	.000000	.000000
4FIL13	.000000	.000000	.000000	.000000
4FIL14	.000000	.000000	.000000	.000000
4FIL15	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOAD SECDIST ----------

JOINT	FX	FY	FZ	MY
D1	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
F1	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F4	.000000	.000000	.000000	.000000

F5	.000000	.000000	.000000	.000000
F6	.000000	.000000	.000000	.000000
F7	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
G1	.000000	.000000	.000000	.000000
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H1	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H4	.000000	.000000	.000000	.000000
H5	.000000	.000000	.000000	.000000
H6	.000000	.000000	.000000	.000000
H7	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J4	.000000	.000000	.000000	.000000
J5	.000000	.000000	.000000	.000000
J6	.000000	.000000	.000000	.000000
J7	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L4	.000000	.000000	.000000	.000000
L5	.000000	.000000	.000000	.000000
L6	.000000	.000000	.000000	.000000
L7	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000

M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
O9	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
D10	.000000	.000000	.000000	.000000
D11	.000000	.000000	.000000	.000000
D12	.000000	.000000	.000000	.000000
D13	.000000	.000000	.000000	.000000
D14	.000000	.000000	.000000	.000000
D15	.000000	.000000	.000000	.000000
F10	.000000	.000000	.000000	.000000
F11	.000000	.000000	.000000	.000000
F12	.000000	.000000	.000000	.000000
F13	.000000	.000000	.000000	.000000
F14	.000000	.000000	.000000	.000000
F15	.000000	.000000	.000000	.000000
G10	.000000	.000000	.000000	.000000
G11	.000000	.000000	.000000	.000000
G12	.000000	.000000	.000000	.000000
G13	.000000	.000000	.000000	.000000
G14	.000000	.000000	.000000	.000000
G15	.000000	.000000	.000000	.000000
H10	.000000	.000000	.000000	.000000
H11	.000000	.000000	.000000	.000000
H12	.000000	.000000	.000000	.000000
H13	.000000	.000000	.000000	.000000
H14	.000000	.000000	.000000	.000000
H15	.000000	.000000	.000000	.000000
I10	.000000	.000000	.000000	.000000
I11	.000000	.000000	.000000	.000000
I12	.000000	.000000	.000000	.000000
I13	.000000	.000000	.000000	.000000
I14	.000000	.000000	.000000	.000000
I15	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
J11	.000000	.000000	.000000	.000000
J12	.000000	.000000	.000000	.000000
J13	.000000	.000000	.000000	.000000
J14	.000000	.000000	.000000	.000000
J15	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000

K11	.000000	.000000	.000000	.000000
K12	.000000	.000000	.000000	.000000
K13	.000000	.000000	.000000	.000000
K14	.000000	.000000	.000000	.000000
K15	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
L11	.000000	.000000	.000000	.000000
L12	.000000	.000000	.000000	.000000
L13	.000000	.000000	.000000	.000000
L14	.000000	.000000	.000000	.000000
L15	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000
P11	.000000	.000000	.000000	.000000
P12	.000000	.000000	.000000	.000000
P13	.000000	.000000	.000000	.000000
P14	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
1FIL1	.000000	.000000	.000000	.000000
1FIL2	.000000	.000000	.000000	.000000
1FIL3	.000000	.000000	.000000	.000000
1FIL4	.000000	.000000	.000000	.000000
1FIL5	.000000	.000000	.000000	.000000
1FIL6	.000000	.000000	.000000	.000000
1FIL7	.000000	.000000	.000000	.000000
1FIL8	.000000	.000000	.000000	.000000
1FIL9	.000000	.000000	.000000	.000000
2FIL1	.000000	.000000	.000000	.000000
2FIL2	.000000	.000000	.000000	.000000
2FIL3	.000000	.000000	.000000	.000000
2FIL4	.000000	.000000	.000000	.000000
2FIL5	.000000	.000000	.000000	.000000
2FIL6	.000000	.000000	.000000	.000000
2FIL7	.000000	.000000	.000000	.000000
2FIL8	.000000	.000000	.000000	.000000
2FIL9	.000000	.000000	.000000	.000000
3FIL1	.000000	.000000	.000000	.000000
3FIL2	.000000	.000000	.000000	.000000
3FIL3	.000000	.000000	.000000	.000000
3FIL4	.000000	.000000	.000000	.000000
3FIL5	.000000	.000000	.000000	.000000
3FIL6	.000000	.000000	.000000	.000000
3FIL7	.000000	.000000	.000000	.000000
3FIL8	.000000	.000000	.000000	.000000
3FIL9	.000000	.000000	.000000	.000000
4FIL1	.000000	.000000	.000000	.000000
4FIL2	.000000	.000000	.000000	.000000
4FIL3	.000000	.000000	.000000	.000000
4FIL4	.000000	.000000	.000000	.000000
4FIL5	.000000	.000000	.000000	.000000
4FIL6	.000000	.000000	.000000	.000000

4FIL7	.000000	.000000	.000000	.000000
4FIL8	.000000	.000000	.000000	.000000
4FIL9	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
1FIL10	.000000	.000000	.000000	.000000
1FIL11	.000000	.000000	.000000	.000000
1FIL12	.000000	.000000	.000000	.000000
1FIL13	.000000	.000000	.000000	.000000
1FIL14	.000000	.000000	.000000	.000000
1FIL15	.000000	.000000	.000000	.000000
2FIL10	.000000	.000000	.000000	.000000
2FIL11	.000000	.000000	.000000	.000000
2FIL12	.000000	.000000	.000000	.000000
2FIL13	.000000	.000000	.000000	.000000
2FIL14	.000000	.000000	.000000	.000000
2FIL15	.000000	.000000	.000000	.000000
3FIL10	.000000	.000000	.000000	.000000
3FIL11	.000000	.000000	.000000	.000000
3FIL12	.000000	.000000	.000000	.000000
3FIL13	.000000	.000000	.000000	.000000
3FIL14	.000000	.000000	.000000	.000000
3FIL15	.000000	.000000	.000000	.000000
4FIL10	.000000	.000000	.000000	.000000
4FIL11	.000000	.000000	.000000	.000000
4FIL12	.000000	.000000	.000000	.000000
4FIL13	.000000	.000000	.000000	.000000
4FIL14	.000000	.000000	.000000	.000000
4FIL15	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADANGLEWAL ----------

JOINT	FX	FY	FZ	MY
D1	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
F1	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F4	.000000	.000000	.000000	.000000
F5	.000000	.000000	.000000	.000000
F6	.000000	.000000	.000000	.000000
F7	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000

F9	.000000	.000000	.000000	.000000
G1	.000000	.000000	.000000	.000000
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H1	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H4	.000000	.000000	.000000	.000000
H5	.000000	.000000	.000000	.000000
H6	.000000	.000000	.000000	.000000
H7	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J4	.000000	.000000	.000000	.000000
J5	.000000	.000000	.000000	.000000
J6	.000000	.000000	.000000	.000000
J7	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L4	.000000	.000000	.000000	.000000
L5	.000000	.000000	.000000	.000000
L6	.000000	.000000	.000000	.000000
L7	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000

M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
O9	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
D10	.000000	.000000	.000000	.000000
D11	.000000	.000000	.000000	.000000
D12	.000000	.000000	.000000	.000000
D13	.000000	.000000	.000000	.000000
D14	.000000	.000000	.000000	.000000
D15	.000000	.000000	.000000	.000000
F10	.000000	.000000	.000000	.000000
F11	.000000	.000000	.000000	.000000
F12	.000000	.000000	.000000	.000000
F13	.000000	.000000	.000000	.000000
F14	.000000	.000000	.000000	.000000
F15	.000000	.000000	.000000	.000000
G10	.000000	.000000	.000000	.000000
G11	.000000	.000000	.000000	.000000
G12	.000000	.000000	.000000	.000000
G13	.000000	.000000	.000000	.000000
G14	.000000	.000000	.000000	.000000
G15	.000000	.000000	.000000	.000000
H10	.000000	.000000	.000000	.000000
H11	.000000	.000000	.000000	.000000
H12	.000000	.000000	.000000	.000000
H13	.000000	.000000	.000000	.000000
H14	.000000	.000000	.000000	.000000
H15	.000000	.000000	.000000	.000000
I10	.000000	.000000	.000000	.000000
I11	.000000	.000000	.000000	.000000
I12	.000000	.000000	.000000	.000000
I13	.000000	.000000	.000000	.000000
I14	.000000	.000000	.000000	.000000
I15	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
J11	.000000	.000000	.000000	.000000
J12	.000000	.000000	.000000	.000000
J13	.000000	.000000	.000000	.000000
J14	.000000	.000000	.000000	.000000
J15	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K11	.000000	.000000	.000000	.000000
K12	.000000	.000000	.000000	.000000
K13	.000000	.000000	.000000	.000000
K14	.000000	.000000	.000000	.000000

K15	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
L11	.000000	.000000	.000000	.000000
L12	.000000	.000000	.000000	.000000
L13	.000000	.000000	.000000	.000000
L14	.000000	.000000	.000000	.000000
L15	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000
P11	.000000	.000000	.000000	.000000
P12	.000000	.000000	.000000	.000000
P13	.000000	.000000	.000000	.000000
P14	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
1FIL1	.000000	.000000	.000000	.000000
1FIL2	.000000	.000000	.000000	.000000
1FIL3	.000000	.000000	.000000	.000000
1FIL4	.000000	.000000	.000000	.000000
1FIL5	.000000	.000000	.000000	.000000
1FIL6	.000000	.000000	.000000	.000000
1FIL7	.000000	.000000	.000000	.000000
1FIL8	.000000	.000000	.000000	.000000
1FIL9	.000000	.000000	.000000	.000000
2FIL1	.000000	.000000	.000000	.000000
2FIL2	.000000	.000000	.000000	.000000
2FIL3	.000000	.000000	.000000	.000000
2FIL4	.000000	.000000	.000000	.000000
2FIL5	.000000	.000000	.000000	.000000
2FIL6	.000000	.000000	.000000	.000000
2FIL7	.000000	.000000	.000000	.000000
2FIL8	.000000	.000000	.000000	.000000
2FIL9	.000000	.000000	.000000	.000000
3FIL1	.000000	.000000	.000000	.000000
3FIL2	.000000	.000000	.000000	.000000
3FIL3	.000000	.000000	.000000	.000000
3FIL4	.000000	.000000	.000000	.000000
3FIL5	.000000	.000000	.000000	.000000
3FIL6	.000000	.000000	.000000	.000000
3FIL7	.000000	.000000	.000000	.000000
3FIL8	.000000	.000000	.000000	.000000
3FIL9	.000000	.000000	.000000	.000000
4FIL1	.000000	.000000	.000000	.000000
4FIL2	.000000	.000000	.000000	.000000
4FIL3	.000000	.000000	.000000	.000000
4FIL4	.000000	.000000	.000000	.000000
4FIL5	.000000	.000000	.000000	.000000
4FIL6	.000000	.000000	.000000	.000000
4FIL7	.000000	.000000	.000000	.000000
4FIL8	.000000	.000000	.000000	.000000
4FIL9	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000

5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
1FIL10	.000000	.000000	.000000	.000000
1FIL11	.000000	.000000	.000000	.000000
1FIL12	.000000	.000000	.000000	.000000
1FIL13	.000000	.000000	.000000	.000000
1FIL14	.000000	.000000	.000000	.000000
1FIL15	.000000	.000000	.000000	.000000
2FIL10	.000000	.000000	.000000	.000000
2FIL11	.000000	.000000	.000000	.000000
2FIL12	.000000	.000000	.000000	.000000
2FIL13	.000000	.000000	.000000	.000000
2FIL14	.000000	.000000	.000000	.000000
2FIL15	.000000	.000000	.000000	.000000
3FIL10	.000000	.000000	.000000	.000000
3FIL11	.000000	.000000	.000000	.000000
3FIL12	.000000	.000000	.000000	.000000
3FIL13	.000000	.000000	.000000	.000000
3FIL14	.000000	.000000	.000000	.000000
3FIL15	.000000	.000000	.000000	.000000
4FIL10	.000000	.000000	.000000	.000000
4FIL11	.000000	.000000	.000000	.000000
4FIL12	.000000	.000000	.000000	.000000
4FIL13	.000000	.000000	.000000	.000000
4FIL14	.000000	.000000	.000000	.000000
4FIL15	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADNOTRIANG ----------

JOINT	FX	FY	FZ	MY
D1	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
F1	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F4	.000000	.000000	.000000	.000000
F5	.000000	.000000	.000000	.000000
F6	.000000	.000000	.000000	.000000
F7	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
G1	.000000	.000000	.000000	.000000
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000

G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H1	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H4	.000000	.000000	.000000	.000000
H5	.000000	.000000	.000000	.000000
H6	.000000	.000000	.000000	.000000
H7	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J4	.000000	.000000	.000000	.000000
J5	.000000	.000000	.000000	.000000
J6	.000000	.000000	.000000	.000000
J7	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L4	.000000	.000000	.000000	.000000
L5	.000000	.000000	.000000	.000000
L6	.000000	.000000	.000000	.000000
L7	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000

N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
O9	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
D10	.000000	.000000	.000000	.000000
D11	.000000	.000000	.000000	.000000
D12	.000000	.000000	.000000	.000000
D13	.000000	.000000	.000000	.000000
D14	.000000	.000000	.000000	.000000
D15	.000000	.000000	.000000	.000000
F10	.000000	.000000	.000000	.000000
F11	.000000	.000000	.000000	.000000
F12	.000000	.000000	.000000	.000000
F13	.000000	.000000	.000000	.000000
F14	.000000	.000000	.000000	.000000
F15	.000000	.000000	.000000	.000000
G10	.000000	.000000	.000000	.000000
G11	.000000	.000000	.000000	.000000
G12	.000000	.000000	.000000	.000000
G13	.000000	.000000	.000000	.000000
G14	.000000	.000000	.000000	.000000
G15	.000000	.000000	.000000	.000000
H10	.000000	.000000	.000000	.000000
H11	.000000	.000000	.000000	.000000
H12	.000000	.000000	.000000	.000000
H13	.000000	.000000	.000000	.000000
H14	.000000	.000000	.000000	.000000
H15	.000000	.000000	.000000	.000000
I10	.000000	.000000	.000000	.000000
I11	.000000	.000000	.000000	.000000
I12	.000000	.000000	.000000	.000000
I13	.000000	.000000	.000000	.000000
I14	.000000	.000000	.000000	.000000
I15	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
J11	.000000	.000000	.000000	.000000
J12	.000000	.000000	.000000	.000000
J13	.000000	.000000	.000000	.000000
J14	.000000	.000000	.000000	.000000
J15	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K11	.000000	.000000	.000000	.000000
K12	.000000	.000000	.000000	.000000
K13	.000000	.000000	.000000	.000000
K14	.000000	.000000	.000000	.000000
K15	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
L11	.000000	.000000	.000000	.000000
L12	.000000	.000000	.000000	.000000

L13	.000000	.000000	.000000	.000000
L14	.000000	.000000	.000000	.000000
L15	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000
P11	.000000	.000000	.000000	.000000
P12	.000000	.000000	.000000	.000000
P13	.000000	.000000	.000000	.000000
P14	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
1FIL1	.000000	.000000	.000000	.000000
1FIL2	.000000	.000000	.000000	.000000
1FIL3	.000000	.000000	.000000	.000000
1FIL4	.000000	.000000	.000000	.000000
1FIL5	.000000	.000000	.000000	.000000
1FIL6	.000000	.000000	.000000	.000000
1FIL7	.000000	.000000	.000000	.000000
1FIL8	.000000	.000000	.000000	.000000
1FIL9	.000000	.000000	.000000	.000000
2FIL1	.000000	.000000	.000000	.000000
2FIL2	.000000	.000000	.000000	.000000
2FIL3	.000000	.000000	.000000	.000000
2FIL4	.000000	.000000	.000000	.000000
2FIL5	.000000	.000000	.000000	.000000
2FIL6	.000000	.000000	.000000	.000000
2FIL7	.000000	.000000	.000000	.000000
2FIL8	.000000	.000000	.000000	.000000
2FIL9	.000000	.000000	.000000	.000000
3FIL1	.000000	.000000	.000000	.000000
3FIL2	.000000	.000000	.000000	.000000
3FIL3	.000000	.000000	.000000	.000000
3FIL4	.000000	.000000	.000000	.000000
3FIL5	.000000	.000000	.000000	.000000
3FIL6	.000000	.000000	.000000	.000000
3FIL7	.000000	.000000	.000000	.000000
3FIL8	.000000	.000000	.000000	.000000
3FIL9	.000000	.000000	.000000	.000000
4FIL1	.000000	.000000	.000000	.000000
4FIL2	.000000	.000000	.000000	.000000
4FIL3	.000000	.000000	.000000	.000000
4FIL4	.000000	.000000	.000000	.000000
4FIL5	.000000	.000000	.000000	.000000
4FIL6	.000000	.000000	.000000	.000000
4FIL7	.000000	.000000	.000000	.000000
4FIL8	.000000	.000000	.000000	.000000
4FIL9	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000

5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
1FIL10	.000000	.000000	.000000	.000000
1FIL11	.000000	.000000	.000000	.000000
1FIL12	.000000	.000000	.000000	.000000
1FIL13	.000000	.000000	.000000	.000000
1FIL14	.000000	.000000	.000000	.000000
1FIL15	.000000	.000000	.000000	.000000
2FIL10	.000000	.000000	.000000	.000000
2FIL11	.000000	.000000	.000000	.000000
2FIL12	.000000	.000000	.000000	.000000
2FIL13	.000000	.000000	.000000	.000000
2FIL14	.000000	.000000	.000000	.000000
2FIL15	.000000	.000000	.000000	.000000
3FIL10	.000000	.000000	.000000	.000000
3FIL11	.000000	.000000	.000000	.000000
3FIL12	.000000	.000000	.000000	.000000
3FIL13	.000000	.000000	.000000	.000000
3FIL14	.000000	.000000	.000000	.000000
3FIL15	.000000	.000000	.000000	.000000
4FIL10	.000000	.000000	.000000	.000000
4FIL11	.000000	.000000	.000000	.000000
4FIL12	.000000	.000000	.000000	.000000
4FIL13	.000000	.000000	.000000	.000000
4FIL14	.000000	.000000	.000000	.000000
4FIL15	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MAX

JOINT	FX	FY	FZ	MY
D1	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
F1	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F4	.000000	.000000	.000000	.000000
F5	.000000	.000000	.000000	.000000
F6	.000000	.000000	.000000	.000000
F7	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
G1	.000000	.000000	.000000	.000000
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000

G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H1	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H4	.000000	.000000	.000000	.000000
H5	.000000	.000000	.000000	.000000
H6	.000000	.000000	.000000	.000000
H7	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J4	.000000	.000000	.000000	.000000
J5	.000000	.000000	.000000	.000000
J6	.000000	.000000	.000000	.000000
J7	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L4	.000000	.000000	.000000	.000000
L5	.000000	.000000	.000000	.000000
L6	.000000	.000000	.000000	.000000
L7	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000

N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
O9	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
D10	.000000	.000000	.000000	.000000
D11	.000000	.000000	.000000	.000000
D12	.000000	.000000	.000000	.000000
D13	.000000	.000000	.000000	.000000
D14	.000000	.000000	.000000	.000000
D15	.000000	.000000	.000000	.000000
F10	.000000	.000000	.000000	.000000
F11	.000000	.000000	.000000	.000000
F12	.000000	.000000	.000000	.000000
F13	.000000	.000000	.000000	.000000
F14	.000000	.000000	.000000	.000000
F15	.000000	.000000	.000000	.000000
G10	.000000	.000000	.000000	.000000
G11	.000000	.000000	.000000	.000000
G12	.000000	.000000	.000000	.000000
G13	.000000	.000000	.000000	.000000
G14	.000000	.000000	.000000	.000000
G15	.000000	.000000	.000000	.000000
H10	.000000	.000000	.000000	.000000
H11	.000000	.000000	.000000	.000000
H12	.000000	.000000	.000000	.000000
H13	.000000	.000000	.000000	.000000
H14	.000000	.000000	.000000	.000000
H15	.000000	.000000	.000000	.000000
I10	.000000	.000000	.000000	.000000
I11	.000000	.000000	.000000	.000000
I12	.000000	.000000	.000000	.000000
I13	.000000	.000000	.000000	.000000
I14	.000000	.000000	.000000	.000000
I15	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
J11	.000000	.000000	.000000	.000000
J12	.000000	.000000	.000000	.000000
J13	.000000	.000000	.000000	.000000
J14	.000000	.000000	.000000	.000000
J15	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K11	.000000	.000000	.000000	.000000
K12	.000000	.000000	.000000	.000000
K13	.000000	.000000	.000000	.000000
K14	.000000	.000000	.000000	.000000
K15	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
L11	.000000	.000000	.000000	.000000
L12	.000000	.000000	.000000	.000000
L13	.000000	.000000	.000000	.000000
L14	.000000	.000000	.000000	.000000
L15	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000

M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000
P11	.000000	.000000	.000000	.000000
P12	.000000	.000000	.000000	.000000
P13	.000000	.000000	.000000	.000000
P14	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
1FIL1	.000000	.000000	.000000	.000000
1FIL2	.000000	.000000	.000000	.000000
1FIL3	.000000	.000000	.000000	.000000
1FIL4	.000000	.000000	.000000	.000000
1FIL5	.000000	.000000	.000000	.000000
1FIL6	.000000	.000000	.000000	.000000
1FIL7	.000000	.000000	.000000	.000000
1FIL8	.000000	.000000	.000000	.000000
1FIL9	.000000	.000000	.000000	.000000
2FIL1	.000000	.000000	.000000	.000000
2FIL2	.000000	.000000	.000000	.000000
2FIL3	.000000	.000000	.000000	.000000
2FIL4	.000000	.000000	.000000	.000000
2FIL5	.000000	.000000	.000000	.000000
2FIL6	.000000	.000000	.000000	.000000
2FIL7	.000000	.000000	.000000	.000000
2FIL8	.000000	.000000	.000000	.000000
2FIL9	.000000	.000000	.000000	.000000
3FIL1	.000000	.000000	.000000	.000000
3FIL2	.000000	.000000	.000000	.000000
3FIL3	.000000	.000000	.000000	.000000
3FIL4	.000000	.000000	.000000	.000000
3FIL5	.000000	.000000	.000000	.000000
3FIL6	.000000	.000000	.000000	.000000
3FIL7	.000000	.000000	.000000	.000000
3FIL8	.000000	.000000	.000000	.000000
3FIL9	.000000	.000000	.000000	.000000
4FIL1	.000000	.000000	.000000	.000000
4FIL2	.000000	.000000	.000000	.000000
4FIL3	.000000	.000000	.000000	.000000
4FIL4	.000000	.000000	.000000	.000000
4FIL5	.000000	.000000	.000000	.000000
4FIL6	.000000	.000000	.000000	.000000
4FIL7	.000000	.000000	.000000	.000000
4FIL8	.000000	.000000	.000000	.000000
4FIL9	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000

1FIL10	.000000	.000000	.000000	.000000
1FIL11	.000000	.000000	.000000	.000000
1FIL12	.000000	.000000	.000000	.000000
1FIL13	.000000	.000000	.000000	.000000
1FIL14	.000000	.000000	.000000	.000000
1FIL15	.000000	.000000	.000000	.000000
2FIL10	.000000	.000000	.000000	.000000
2FIL11	.000000	.000000	.000000	.000000
2FIL12	.000000	.000000	.000000	.000000
2FIL13	.000000	.000000	.000000	.000000
2FIL14	.000000	.000000	.000000	.000000
2FIL15	.000000	.000000	.000000	.000000
3FIL10	.000000	.000000	.000000	.000000
3FIL11	.000000	.000000	.000000	.000000
3FIL12	.000000	.000000	.000000	.000000
3FIL13	.000000	.000000	.000000	.000000
3FIL14	.000000	.000000	.000000	.000000
3FIL15	.000000	.000000	.000000	.000000
4FIL10	.000000	.000000	.000000	.000000
4FIL11	.000000	.000000	.000000	.000000
4FIL12	.000000	.000000	.000000	.000000
4FIL13	.000000	.000000	.000000	.000000
4FIL14	.000000	.000000	.000000	.000000
4FIL15	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

JOINT	FX	FY	FZ	MY
D1	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
F1	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F4	.000000	.000000	.000000	.000000
F5	.000000	.000000	.000000	.000000
F6	.000000	.000000	.000000	.000000
F7	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
G1	.000000	.000000	.000000	.000000
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H1	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000

H3	.000000	.000000	.000000	.000000
H4	.000000	.000000	.000000	.000000
H5	.000000	.000000	.000000	.000000
H6	.000000	.000000	.000000	.000000
H7	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J4	.000000	.000000	.000000	.000000
J5	.000000	.000000	.000000	.000000
J6	.000000	.000000	.000000	.000000
J7	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L4	.000000	.000000	.000000	.000000
L5	.000000	.000000	.000000	.000000
L6	.000000	.000000	.000000	.000000
L7	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000

O9	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
D10	.000000	.000000	.000000	.000000
D11	.000000	.000000	.000000	.000000
D12	.000000	.000000	.000000	.000000
D13	.000000	.000000	.000000	.000000
D14	.000000	.000000	.000000	.000000
D15	.000000	.000000	.000000	.000000
F10	.000000	.000000	.000000	.000000
F11	.000000	.000000	.000000	.000000
F12	.000000	.000000	.000000	.000000
F13	.000000	.000000	.000000	.000000
F14	.000000	.000000	.000000	.000000
F15	.000000	.000000	.000000	.000000
G10	.000000	.000000	.000000	.000000
G11	.000000	.000000	.000000	.000000
G12	.000000	.000000	.000000	.000000
G13	.000000	.000000	.000000	.000000
G14	.000000	.000000	.000000	.000000
G15	.000000	.000000	.000000	.000000
H10	.000000	.000000	.000000	.000000
H11	.000000	.000000	.000000	.000000
H12	.000000	.000000	.000000	.000000
H13	.000000	.000000	.000000	.000000
H14	.000000	.000000	.000000	.000000
H15	.000000	.000000	.000000	.000000
I10	.000000	.000000	.000000	.000000
I11	.000000	.000000	.000000	.000000
I12	.000000	.000000	.000000	.000000
I13	.000000	.000000	.000000	.000000
I14	.000000	.000000	.000000	.000000
I15	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
J11	.000000	.000000	.000000	.000000
J12	.000000	.000000	.000000	.000000
J13	.000000	.000000	.000000	.000000
J14	.000000	.000000	.000000	.000000
J15	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K11	.000000	.000000	.000000	.000000
K12	.000000	.000000	.000000	.000000
K13	.000000	.000000	.000000	.000000
K14	.000000	.000000	.000000	.000000
K15	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
L11	.000000	.000000	.000000	.000000
L12	.000000	.000000	.000000	.000000
L13	.000000	.000000	.000000	.000000
L14	.000000	.000000	.000000	.000000
L15	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000

M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000
P11	.000000	.000000	.000000	.000000
P12	.000000	.000000	.000000	.000000
P13	.000000	.000000	.000000	.000000
P14	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
1FIL1	.000000	.000000	.000000	.000000
1FIL2	.000000	.000000	.000000	.000000
1FIL3	.000000	.000000	.000000	.000000
1FIL4	.000000	.000000	.000000	.000000
1FIL5	.000000	.000000	.000000	.000000
1FIL6	.000000	.000000	.000000	.000000
1FIL7	.000000	.000000	.000000	.000000
1FIL8	.000000	.000000	.000000	.000000
1FIL9	.000000	.000000	.000000	.000000
2FIL1	.000000	.000000	.000000	.000000
2FIL2	.000000	.000000	.000000	.000000
2FIL3	.000000	.000000	.000000	.000000
2FIL4	.000000	.000000	.000000	.000000
2FIL5	.000000	.000000	.000000	.000000
2FIL6	.000000	.000000	.000000	.000000
2FIL7	.000000	.000000	.000000	.000000
2FIL8	.000000	.000000	.000000	.000000
2FIL9	.000000	.000000	.000000	.000000
3FIL1	.000000	.000000	.000000	.000000
3FIL2	.000000	.000000	.000000	.000000
3FIL3	.000000	.000000	.000000	.000000
3FIL4	.000000	.000000	.000000	.000000
3FIL5	.000000	.000000	.000000	.000000
3FIL6	.000000	.000000	.000000	.000000
3FIL7	.000000	.000000	.000000	.000000
3FIL8	.000000	.000000	.000000	.000000
3FIL9	.000000	.000000	.000000	.000000
4FIL1	.000000	.000000	.000000	.000000
4FIL2	.000000	.000000	.000000	.000000
4FIL3	.000000	.000000	.000000	.000000
4FIL4	.000000	.000000	.000000	.000000
4FIL5	.000000	.000000	.000000	.000000
4FIL6	.000000	.000000	.000000	.000000
4FIL7	.000000	.000000	.000000	.000000
4FIL8	.000000	.000000	.000000	.000000
4FIL9	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
1FIL10	.000000	.000000	.000000	.000000
1FIL11	.000000	.000000	.000000	.000000
1FIL12	.000000	.000000	.000000	.000000
1FIL13	.000000	.000000	.000000	.000000

1FIL14	.000000	.000000	.000000	.000000
1FIL15	.000000	.000000	.000000	.000000
2FIL10	.000000	.000000	.000000	.000000
2FIL11	.000000	.000000	.000000	.000000
2FIL12	.000000	.000000	.000000	.000000
2FIL13	.000000	.000000	.000000	.000000
2FIL14	.000000	.000000	.000000	.000000
2FIL15	.000000	.000000	.000000	.000000
3FIL10	.000000	.000000	.000000	.000000
3FIL11	.000000	.000000	.000000	.000000
3FIL12	.000000	.000000	.000000	.000000
3FIL13	.000000	.000000	.000000	.000000
3FIL14	.000000	.000000	.000000	.000000
3FIL15	.000000	.000000	.000000	.000000
4FIL10	.000000	.000000	.000000	.000000
4FIL11	.000000	.000000	.000000	.000000
4FIL12	.000000	.000000	.000000	.000000
4FIL13	.000000	.000000	.000000	.000000
4FIL14	.000000	.000000	.000000	.000000
4FIL15	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

Program SAP2000 Nonlinear Version 7.40 File:Bent C DL no trianglar load.OUT
Page
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R E S T R A I N T F O R C E S (R E A C T I O N S)

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

LOAD DEAD ----------

JOINT	FX	FY	FZ	MY
D1	.000000	.000000	224.511375	.000000
D2	.000000	.000000	294.691125	.000000
D3	.000000	.000000	294.691125	.000000
D4	.000000	.000000	294.691125	.000000
D5	.000000	.000000	294.691125	.000000
D6	.000000	.000000	294.691125	.000000
D7	.000000	.000000	294.691125	.000000
D8	.000000	.000000	294.691125	.000000
D9	.000000	.000000	294.691125	.000000
D10	.000000	.000000	294.691125	.000000
D11	.000000	.000000	294.691125	.000000
D12	.000000	.000000	294.691125	.000000
D13	.000000	.000000	294.691125	.000000
D14	.000000	.000000	294.691125	.000000
D15	.000000	.000000	224.511375	.000000

LOADMANIFOLD ----------

JOINT	FX	FY	FZ	MY
D1	.000000	.000000	1894.000	.000000
D2	.000000	.000000	3788.000	.000000
D3	.000000	.000000	3788.000	.000000
D4	.000000	.000000	3788.000	.000000
D5	.000000	.000000	3788.000	.000000

D6	.000000	.000000	3788.000	.000000
D7	.000000	.000000	3788.000	.000000
D8	.000000	.000000	3788.000	.000000
D9	.000000	.000000	3788.000	.000000
D10	.000000	.000000	3788.000	.000000
D11	.000000	.000000	3788.000	.000000
D12	.000000	.000000	3788.000	.000000
D13	.000000	.000000	3788.000	.000000
D14	.000000	.000000	3788.000	.000000
D15	.000000	.000000	3788.000	.000000

LOAD TBAR ----------

JOINT	FX	FY	FZ	MY
D1	.000000	.000000	843.000000	.000000
D2	.000000	.000000	1690.000	.000000
D3	.000000	.000000	1690.000	.000000
D4	.000000	.000000	1690.000	.000000
D5	.000000	.000000	1690.000	.000000
D6	.000000	.000000	1690.000	.000000
D7	.000000	.000000	1690.000	.000000
D8	.000000	.000000	1690.000	.000000
D9	.000000	.000000	1690.000	.000000
D10	.000000	.000000	1690.000	.000000
D11	.000000	.000000	1690.000	.000000
D12	.000000	.000000	1690.000	.000000
D13	.000000	.000000	1690.000	.000000
D14	.000000	.000000	1690.000	.000000
D15	.000000	.000000	1690.000	.000000

LOADTOPCOVER ----------

JOINT	FX	FY	FZ	MY
D1	.000000	.000000	1013.000	.000000
D2	.000000	.000000	2026.000	.000000
D3	.000000	.000000	2026.000	.000000
D4	.000000	.000000	2026.000	.000000
D5	.000000	.000000	2026.000	.000000
D6	.000000	.000000	2026.000	.000000
D7	.000000	.000000	2026.000	.000000
D8	.000000	.000000	2026.000	.000000
D9	.000000	.000000	2026.000	.000000
D10	.000000	.000000	2026.000	.000000
D11	.000000	.000000	2026.000	.000000
D12	.000000	.000000	2026.000	.000000
D13	.000000	.000000	2026.000	.000000
D14	.000000	.000000	2026.000	.000000
D15	.000000	.000000	2026.000	.000000

LOAD PEWALLS ----------

JOINT	FX	FY	FZ	MY
D1	.000000	.000000	1194.000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	1935.000	.000000
D9	.000000	.000000	.000000	.000000
D10	.000000	.000000	.000000	.000000
D11	.000000	.000000	.000000	.000000

D12	.000000	.000000	.000000	.000000
D13	.000000	.000000	.000000	.000000
D14	.000000	.000000	.000000	.000000
D15	.000000	.000000	1935.000	.000000

LOADHOTBASIN ----------

JOINT	FX	FY	FZ	MY
D1	.000000	.000000	828.000000	.000000
D2	.000000	.000000	1656.000	.000000
D3	.000000	.000000	1656.000	.000000
D4	.000000	.000000	1656.000	.000000
D5	.000000	.000000	1656.000	.000000
D6	.000000	.000000	1656.000	.000000
D7	.000000	.000000	1656.000	.000000
D8	.000000	.000000	1656.000	.000000
D9	.000000	.000000	1656.000	.000000
D10	.000000	.000000	1656.000	.000000
D11	.000000	.000000	1656.000	.000000
D12	.000000	.000000	1656.000	.000000
D13	.000000	.000000	1656.000	.000000
D14	.000000	.000000	1656.000	.000000
D15	.000000	.000000	1656.000	.000000

LOADDRIFTELM ----------

JOINT	FX	FY	FZ	MY
D1	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
D10	.000000	.000000	.000000	.000000
D11	.000000	.000000	.000000	.000000
D12	.000000	.000000	.000000	.000000
D13	.000000	.000000	.000000	.000000
D14	.000000	.000000	.000000	.000000
D15	.000000	.000000	.000000	.000000

LOADFANMOTOR ----------

JOINT	FX	FY	FZ	MY
D1	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	421.000000	.000000
D5	.000000	.000000	421.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
D10	.000000	.000000	.000000	.000000
D11	.000000	.000000	421.000000	.000000
D12	.000000	.000000	421.000000	.000000
D13	.000000	.000000	.000000	.000000
D14	.000000	.000000	.000000	.000000
D15	.000000	.000000	.000000	.000000

LOADCABLETRY ----------

JOINT	FX	FY	FZ	MY
D1	.000000	.000000	2222.000	.000000
D2	.000000	.000000	180.000000	.000000
D3	.000000	.000000	180.000000	.000000
D4	.000000	.000000	180.000000	.000000
D5	.000000	.000000	180.000000	.000000
D6	.000000	.000000	180.000000	.000000
D7	.000000	.000000	180.000000	.000000
D8	.000000	.000000	180.000000	.000000
D9	.000000	.000000	180.000000	.000000
D10	.000000	.000000	180.000000	.000000
D11	.000000	.000000	180.000000	.000000
D12	.000000	.000000	180.000000	.000000
D13	.000000	.000000	180.000000	.000000
D14	.000000	.000000	180.000000	.000000
D15	.000000	.000000	180.000000	.000000

LOADLOUVERWL ----------

JOINT	FX	FY	FZ	MY
D1	.000000	.000000	222.000000	.000000
D2	.000000	.000000	444.000000	.000000
D3	.000000	.000000	444.000000	.000000
D4	.000000	.000000	444.000000	.000000
D5	.000000	.000000	444.000000	.000000
D6	.000000	.000000	444.000000	.000000
D7	.000000	.000000	444.000000	.000000
D8	.000000	.000000	444.000000	.000000
D9	.000000	.000000	444.000000	.000000
D10	.000000	.000000	444.000000	.000000
D11	.000000	.000000	444.000000	.000000
D12	.000000	.000000	444.000000	.000000
D13	.000000	.000000	444.000000	.000000
D14	.000000	.000000	444.000000	.000000
D15	.000000	.000000	444.000000	.000000

LOAD SECDIST ----------

JOINT	FX	FY	FZ	MY
D1	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	1079.000	.000000
D4	.000000	.000000	596.000000	.000000
D5	.000000	.000000	390.000000	.000000
D6	.000000	.000000	471.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
D10	.000000	.000000	.000000	.000000
D11	.000000	.000000	.000000	.000000
D12	.000000	.000000	.000000	.000000
D13	.000000	.000000	.000000	.000000
D14	.000000	.000000	.000000	.000000
D15	.000000	.000000	.000000	.000000

LOADANGLEWAL ----------

JOINT	FX	FY	FZ	MY
D1	.000000	.000000	196.000000	.000000
D2	.000000	.000000	196.000000	.000000
D3	.000000	.000000	196.000000	.000000
D4	.000000	.000000	196.000000	.000000

D5	.000000	.000000	196.000000	.000000
D6	.000000	.000000	196.000000	.000000
D7	.000000	.000000	196.000000	.000000
D8	.000000	.000000	196.000000	.000000
D9	.000000	.000000	196.000000	.000000
D10	.000000	.000000	196.000000	.000000
D11	.000000	.000000	196.000000	.000000
D12	.000000	.000000	196.000000	.000000
D13	.000000	.000000	196.000000	.000000
D14	.000000	.000000	196.000000	.000000
D15	.000000	.000000	196.000000	.000000

LOADNOTRIANG ----------

JOINT	FX	FY	FZ	MY
D1	.000000	.000000	1885.000	.000000
D2	.000000	.000000	3770.000	.000000
D3	.000000	.000000	3770.000	.000000
D4	.000000	.000000	3770.000	.000000
D5	.000000	.000000	3770.000	.000000
D6	.000000	.000000	3770.000	.000000
D7	.000000	.000000	3770.000	.000000
D8	.000000	.000000	3770.000	.000000
D9	.000000	.000000	3770.000	.000000
D10	.000000	.000000	3770.000	.000000
D11	.000000	.000000	3770.000	.000000
D12	.000000	.000000	3770.000	.000000
D13	.000000	.000000	3770.000	.000000
D14	.000000	.000000	3770.000	.000000
D15	.000000	.000000	3786.000	.000000

COMBDEADLOAD ---------- MAX

JOINT	FX	FY	FZ	MY
D1	.000000	.000000	10521.511	.000000
D2	.000000	.000000	14044.691	.000000
D3	.000000	.000000	15123.691	.000000
D4	.000000	.000000	15061.691	.000000
D5	.000000	.000000	14855.691	.000000
D6	.000000	.000000	14515.691	.000000
D7	.000000	.000000	14044.691	.000000
D8	.000000	.000000	15979.691	.000000
D9	.000000	.000000	14044.691	.000000
D10	.000000	.000000	14044.691	.000000
D11	.000000	.000000	14465.691	.000000
D12	.000000	.000000	14465.691	.000000
D13	.000000	.000000	14044.691	.000000
D14	.000000	.000000	14044.691	.000000
D15	.000000	.000000	15925.511	.000000

COMBDEADLOAD ---------- MIN

JOINT	FX	FY	FZ	MY
D1	.000000	.000000	-10521.511	.000000
D2	.000000	.000000	-14044.691	.000000
D3	.000000	.000000	-15123.691	.000000
D4	.000000	.000000	-15061.691	.000000
D5	.000000	.000000	-14855.691	.000000
D6	.000000	.000000	-14515.691	.000000
D7	.000000	.000000	-14044.691	.000000
D8	.000000	.000000	-15979.691	.000000
D9	.000000	.000000	-14044.691	.000000
D10	.000000	.000000	-14044.691	.000000

D11	.000000	.000000	-14465.691	.000000
D12	.000000	.000000	-14465.691	.000000
D13	.000000	.000000	-14044.691	.000000
D14	.000000	.000000	-14044.691	.000000
D15	.000000	.000000	-15925.511	.000000

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C O N S T R A I N T F O R C E S

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

LOAD DEAD ----------

JOINT	FX	FY	FZ	MY
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
O9	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000

5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADMANIFOLD ----------

JOINT	FX	FY	FZ	MY
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
O9	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000

5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOAD TBAR ----------

JOINT	FX	FY	FZ	MY
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
O9	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADTOPCOVER ----------

JOINT	FX	FY	FZ	MY

M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
O9	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOAD PEWALLS ----------

JOINT	FX	FY	FZ	MY
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000

M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
O9	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADHOTBASIN ----------

JOINT	FX	FY	FZ	MY
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000

N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
O9	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADDRIFTELM ----------

JOINT	FX	FY	FZ	MY
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000

O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
O9	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADFANMOTOR ----------

JOINT	FX	FY	FZ	MY
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
O9	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000

M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADCABLETRY ----------

JOINT	FX	FY	FZ	MY
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
O9	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000

N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADLOUVERWL ----------

JOINT	FX	FY	FZ	MY
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
O9	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000

O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOAD SECDIST ----------

JOINT	FX	FY	FZ	MY
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
O9	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000

5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADANGLEWAL ----------

JOINT	FX	FY	FZ	MY
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
O9	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000

5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

LOADNOTRIANG ----------

JOINT	FX	FY	FZ	MY
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
O9	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MAX

JOINT	FX	FY	FZ	MY
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
O9	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

JOINT	FX	FY	FZ	MY
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000

M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N4	.000000	.000000	.000000	.000000
N5	.000000	.000000	.000000	.000000
N6	.000000	.000000	.000000	.000000
N7	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O1	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
O9	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M11	.000000	.000000	.000000	.000000
M12	.000000	.000000	.000000	.000000
M13	.000000	.000000	.000000	.000000
M14	.000000	.000000	.000000	.000000
M15	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N11	.000000	.000000	.000000	.000000
N12	.000000	.000000	.000000	.000000
N13	.000000	.000000	.000000	.000000
N14	.000000	.000000	.000000	.000000
N15	.000000	.000000	.000000	.000000
O15	.000000	.000000	.000000	.000000
P15	.000000	.000000	.000000	.000000
5FIL1	.000000	.000000	.000000	.000000
5FIL2	.000000	.000000	.000000	.000000
5FIL3	.000000	.000000	.000000	.000000
5FIL4	.000000	.000000	.000000	.000000
5FIL5	.000000	.000000	.000000	.000000
5FIL6	.000000	.000000	.000000	.000000
5FIL7	.000000	.000000	.000000	.000000
5FIL8	.000000	.000000	.000000	.000000
5FIL9	.000000	.000000	.000000	.000000
5FIL10	.000000	.000000	.000000	.000000
5FIL11	.000000	.000000	.000000	.000000
5FIL12	.000000	.000000	.000000	.000000
5FIL13	.000000	.000000	.000000	.000000
5FIL14	.000000	.000000	.000000	.000000
5FIL15	.000000	.000000	.000000	.000000

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G L O B A L F O R C E B A L A N C E

TOTAL FORCE AND MOMENT AT THE ORIGIN, IN GLOBAL COORDINATES

LOAD DEAD ----------

FX	FY	FZ	MX	MY	MZ

APPLIED	.000000	-5.78E-30	-4280.007	-513600.885	2.1571E+06	-7.08E-27
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	4280.007	513600.885	-2.1571E+06	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	-5.78E-30	-2.09E-11	-2.62E-09	1.12E-08	-7.08E-27

LOADMANIFOLD ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-54926.000	-6.5911E+06	2.8637E+07	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	54926.000	6.5911E+06	-2.8637E+07	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	-5.60E-10	-6.52E-08	2.91E-07	.000000

LOAD TBAR ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-24503.000	-2.9404E+06	1.2776E+07	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	24503.000	2.9404E+06	-1.2776E+07	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	-1.35E-10	-1.63E-08	7.26E-08	.000000

LOADTOPCOVER ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-29377.000	-3.5252E+06	1.5317E+07	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	29377.000	3.5252E+06	-1.5317E+07	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	-3.13E-10	-3.77E-08	1.58E-07	.000000

LOAD PEWALLS ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-5064.000	-607680.000	2.9257E+06	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	5064.000	607680.000	-2.9257E+06	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	-3.64E-11	-4.31E-09	1.96E-08	.000000

LOADHOTBASIN ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-24012.000	-2.8814E+06	1.2519E+07	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	24012.000	2.8814E+06	-1.2519E+07	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	-2.47E-10	-2.98E-08	1.29E-07	.000000

LOADDRIFTELM ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	.000000	.000000	.000000	.000000

CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	.000000	.000000	.000000	.000000

LOADFANMOTOR ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-1684.000	-202080.000	848736.000	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	1684.000	202080.000	-848736.000	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	-1.43E-11	-1.72E-09	7.22E-09	.000000

LOADCABLETRY ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-4742.000	-569040.000	1.3608E+06	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	4742.000	569040.000	-1.3608E+06	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	-4.55E-11	-5.59E-09	1.37E-08	.000000

LOADLOUVERWL ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-6438.000	-772560.000	3.3566E+06	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	6438.000	772560.000	-3.3566E+06	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	-9.09E-12	-1.16E-09	4.66E-09	.000000

LOAD SECDIST ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-2536.000	-304320.000	565992.000	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	2536.000	304320.000	-565992.000	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	-2.14E-11	-2.56E-09	4.77E-09	.000000

LOADANGLEWAL ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-2940.000	-352800.000	1.4818E+06	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	2940.000	352800.000	-1.4818E+06	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	-2.55E-11	-2.97E-09	1.23E-08	.000000

LOADNOTRIANG ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-54681.000	-6.5617E+06	2.8517E+07	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	54681.000	6.5617E+06	-2.8517E+07	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	-1.38E-10	-1.68E-08	7.45E-08	.000000

```
COMBDEADLOAD ------------------ MAX

                FX          FY          FZ          MX          MY          MZ
APPLIED     .000000    5.78E-30  215183.007  2.5822E+07  1.1046E+08    7.08E-27
SPRINGS     .000000     .000000     .000000     .000000     .000000     .000000
REACTNS     .000000     .000000  215183.007  2.5822E+07  1.1046E+08     .000000
CONSTRS     .000000     .000000     .000000     .000000     .000000     .000000

  TOTAL     .000000    5.78E-30    1.57E-09    1.87E-07    7.98E-07    7.08E-27

COMBDEADLOAD ------------------ MIN

                FX          FY          FZ          MX          MY          MZ
APPLIED     .000000   -5.78E-30 -215183.007 -2.5822E+07 -1.1046E+08   -7.08E-27
SPRINGS     .000000     .000000     .000000     .000000     .000000     .000000
REACTNS     .000000     .000000 -215183.007 -2.5822E+07 -1.1046E+08     .000000
CONSTRS     .000000     .000000     .000000     .000000     .000000     .000000

  TOTAL     .000000   -5.78E-30   -1.57E-09   -1.87E-07   -7.98E-07   -7.08E-27


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F R A M E   E L E M E N T   I N T E R N A L   F O R C E S

ELEM       3 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9664.776     .000000     .000000     .000000     .000000     .000000
0.50000    9653.898     .000000     .000000     .000000     .000000     .000000
1.00000    9643.020     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9664.776     .000000     .000000     .000000     .000000     .000000
0.50000   -9653.898     .000000     .000000     .000000     .000000     .000000
1.00000   -9643.020     .000000     .000000     .000000     .000000     .000000

ELEM       5 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6905.156     .000000     .000000     .000000     .000000     .000000
0.50000    6899.717     .000000     .000000     .000000     .000000     .000000
1.00000    6894.278     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6905.156     .000000     .000000     .000000     .000000     .000000
0.50000   -6899.717     .000000     .000000     .000000     .000000     .000000
1.00000   -6894.278     .000000     .000000     .000000     .000000     .000000

ELEM       7 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	5828.414	.000000	.000000	.000000	.000000	.000000
0.50000	5822.975	.000000	.000000	.000000	.000000	.000000
1.00000	5817.536	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-5828.414	.000000	.000000	.000000	.000000	.000000
0.50000	-5822.975	.000000	.000000	.000000	.000000	.000000
1.00000	-5817.536	.000000	.000000	.000000	.000000	.000000

ELEM 8 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	5390.543	.000000	.000000	.000000	.000000	.000000
0.50000	5385.104	.000000	.000000	.000000	.000000	.000000
1.00000	5379.665	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-5390.543	.000000	.000000	.000000	.000000	.000000
0.50000	-5385.104	.000000	.000000	.000000	.000000	.000000
1.00000	-5379.665	.000000	.000000	.000000	.000000	.000000

ELEM 10 ========== LENGTH = 63.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1537.279	.000000	.000000	.000000	.000000	.000000
0.50000	1530.141	.000000	.000000	.000000	.000000	.000000
1.00000	1523.002	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1537.279	.000000	.000000	.000000	.000000	.000000
0.50000	-1530.141	.000000	.000000	.000000	.000000	.000000
1.00000	-1523.002	.000000	.000000	.000000	.000000	.000000

ELEM 11 ========== LENGTH = 21.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1523.002	.000000	.000000	.000000	.000000	.000000
0.50000	1520.622	.000000	.000000	.000000	.000000	.000000
1.00000	1518.243	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1523.002	.000000	.000000	.000000	.000000	.000000
0.50000	-1520.622	.000000	.000000	.000000	.000000	.000000
1.00000	-1518.243	.000000	.000000	.000000	.000000	.000000

ELEM 13 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 14 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 15 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 16 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3

0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 17 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 18 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 19 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000

```
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM      20 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM      21 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM      23 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.242750    8.77E-16     .000000     .000000     .000000
0.25000     .000000    3.621375    4.39E-16     .000000    1.18E-14   97.777125
0.50000     .000000    4.39E-15    2.16E-31     .000000    1.58E-14  130.369500
0.75000     .000000    3.621375    4.39E-16     .000000    1.18E-14   97.777125
1.00000     .000000    7.242750    8.77E-16     .000000    1.55E-29    3.14E-13
```

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.242750	-8.77E-16	.000000	.000000	.000000
0.25000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
0.50000	.000000	-4.39E-15	-2.16E-31	.000000	-1.58E-14	-130.369500
0.75000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
1.00000	.000000	-7.242750	-8.77E-16	.000000	-1.55E-29	-3.14E-13

ELEM 26 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	13233.969	.000000	.000000	.000000	.000000	.000000
0.50000	13223.091	.000000	.000000	.000000	.000000	.000000
1.00000	13212.213	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-13233.969	.000000	.000000	.000000	.000000	.000000
0.50000	-13223.091	.000000	.000000	.000000	.000000	.000000
1.00000	-13212.213	.000000	.000000	.000000	.000000	.000000

ELEM 28 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8999.363	.000000	.000000	.000000	.000000	.000000
0.50000	8993.924	.000000	.000000	.000000	.000000	.000000
1.00000	8988.485	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8999.363	.000000	.000000	.000000	.000000	.000000
0.50000	-8993.924	.000000	.000000	.000000	.000000	.000000
1.00000	-8988.485	.000000	.000000	.000000	.000000	.000000

ELEM 30 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8336.635	.000000	.000000	.000000	.000000	.000000
0.50000	8331.196	.000000	.000000	.000000	.000000	.000000
1.00000	8325.757	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8336.635	.000000	.000000	.000000	.000000	.000000
0.50000	-8331.196	.000000	.000000	.000000	.000000	.000000
1.00000	-8325.757	.000000	.000000	.000000	.000000	.000000

ELEM 31 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8280.771	.000000	.000000	.000000	.000000	.000000

```
0.50000    8275.332     .000000     .000000     .000000     .000000     .000000
1.00000    8269.893     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8280.771     .000000     .000000     .000000     .000000     .000000
0.50000   -8275.332     .000000     .000000     .000000     .000000     .000000
1.00000   -8269.893     .000000     .000000     .000000     .000000     .000000

ELEM      33 ================== LENGTH =   84.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2277.522     .000000     .000000     .000000     .000000     .000000
0.50000    2268.004     .000000     .000000     .000000     .000000     .000000
1.00000    2258.486     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2277.522     .000000     .000000     .000000     .000000     .000000
0.50000   -2268.004     .000000     .000000     .000000     .000000     .000000
1.00000   -2258.486     .000000     .000000     .000000     .000000     .000000

ELEM      34 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM      37 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
```

0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 38 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 40 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 41 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 43 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 44 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 46 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 47 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 48 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.242750	8.77E-16	.000000	.000000	.000000
0.25000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
0.50000	.000000	4.39E-15	2.16E-31	.000000	1.58E-14	130.369500
0.75000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
1.00000	.000000	7.242750	8.77E-16	.000000	1.55E-29	3.14E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.242750	-8.77E-16	.000000	.000000	.000000
0.25000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
0.50000	.000000	-4.39E-15	-2.16E-31	.000000	-1.58E-14	-130.369500
0.75000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
1.00000	.000000	-7.242750	-8.77E-16	.000000	-1.55E-29	-3.14E-13

ELEM 51 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	14312.969	.000000	.000000	.000000	.000000	.000000
0.50000	14302.091	.000000	.000000	.000000	.000000	.000000
1.00000	14291.213	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-14312.969	.000000	.000000	.000000	.000000	.000000
0.50000	-14302.091	.000000	.000000	.000000	.000000	.000000
1.00000	-14291.213	.000000	.000000	.000000	.000000	.000000

ELEM 53 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	10078.363	.000000	.000000	.000000	.000000	.000000
0.50000	10072.924	.000000	.000000	.000000	.000000	.000000
1.00000	10067.485	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-10078.363	.000000	.000000	.000000	.000000	.000000
0.50000	-10072.924	.000000	.000000	.000000	.000000	.000000
1.00000	-10067.485	.000000	.000000	.000000	.000000	.000000

ELEM 55 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9415.635	.000000	.000000	.000000	.000000	.000000
0.50000	9410.196	.000000	.000000	.000000	.000000	.000000
1.00000	9404.757	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9415.635	.000000	.000000	.000000	.000000	.000000
0.50000	-9410.196	.000000	.000000	.000000	.000000	.000000
1.00000	-9404.757	.000000	.000000	.000000	.000000	.000000

ELEM 56 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9359.771	.000000	.000000	.000000	.000000	.000000
0.50000	9354.332	.000000	.000000	.000000	.000000	.000000
1.00000	9348.893	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9359.771	.000000	.000000	.000000	.000000	.000000
0.50000	-9354.332	.000000	.000000	.000000	.000000	.000000
1.00000	-9348.893	.000000	.000000	.000000	.000000	.000000

ELEM 58 ========== LENGTH = 84.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2277.522	.000000	.000000	.000000	.000000	.000000
0.50000	2268.004	.000000	.000000	.000000	.000000	.000000
1.00000	2258.486	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2277.522	.000000	.000000	.000000	.000000	.000000
0.50000	-2268.004	.000000	.000000	.000000	.000000	.000000
1.00000	-2258.486	.000000	.000000	.000000	.000000	.000000

ELEM 59 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500

```
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM      60 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM      61 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM      63 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 64 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 66 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 67 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000

```
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM      69 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM      70 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM      71 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.242750    8.77E-16     .000000     .000000     .000000
0.25000     .000000    3.621375    4.39E-16     .000000    1.18E-14   97.777125
0.50000     .000000    4.39E-15    2.16E-31     .000000    1.58E-14  130.369500
0.75000     .000000    3.621375    4.39E-16     .000000    1.18E-14   97.777125
1.00000     .000000    7.242750    8.77E-16     .000000    1.55E-29    3.14E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.242750   -8.77E-16     .000000     .000000     .000000
0.25000     .000000   -3.621375   -4.39E-16     .000000   -1.18E-14  -97.777125
0.50000     .000000   -4.39E-15   -2.16E-31     .000000   -1.58E-14 -130.369500
0.75000     .000000   -3.621375   -4.39E-16     .000000   -1.18E-14  -97.777125
```

```
1.00000     .000000   -7.242750   -8.77E-16     .000000   -1.55E-29   -3.14E-13

ELEM      74 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   14250.969     .000000     .000000     .000000     .000000     .000000
0.50000   14240.091     .000000     .000000     .000000     .000000     .000000
1.00000   14229.213     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -14250.969     .000000     .000000     .000000     .000000     .000000
0.50000  -14240.091     .000000     .000000     .000000     .000000     .000000
1.00000  -14229.213     .000000     .000000     .000000     .000000     .000000

ELEM      76 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   10016.363     .000000     .000000     .000000     .000000     .000000
0.50000   10010.924     .000000     .000000     .000000     .000000     .000000
1.00000   10005.485     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -10016.363     .000000     .000000     .000000     .000000     .000000
0.50000  -10010.924     .000000     .000000     .000000     .000000     .000000
1.00000  -10005.485     .000000     .000000     .000000     .000000     .000000

ELEM      78 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9353.635     .000000     .000000     .000000     .000000     .000000
0.50000    9348.196     .000000     .000000     .000000     .000000     .000000
1.00000    9342.757     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9353.635     .000000     .000000     .000000     .000000     .000000
0.50000   -9348.196     .000000     .000000     .000000     .000000     .000000
1.00000   -9342.757     .000000     .000000     .000000     .000000     .000000

ELEM      79 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9297.771     .000000     .000000     .000000     .000000     .000000
0.50000    9292.332     .000000     .000000     .000000     .000000     .000000
1.00000    9286.893     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9297.771     .000000     .000000     .000000     .000000     .000000
```

```
0.50000   -9292.332     .000000     .000000     .000000     .000000     .000000
1.00000   -9286.893     .000000     .000000     .000000     .000000     .000000

ELEM      81 ================== LENGTH =   84.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2698.522     .000000     .000000     .000000     .000000     .000000
0.50000    2689.004     .000000     .000000     .000000     .000000     .000000
1.00000    2679.486     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2698.522     .000000     .000000     .000000     .000000     .000000
0.50000   -2689.004     .000000     .000000     .000000     .000000     .000000
1.00000   -2679.486     .000000     .000000     .000000     .000000     .000000

ELEM      84 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM      85 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM      86 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 88 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 89 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 90 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500

```
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM      91 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM      92 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM      93 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13
```

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 94 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.242750	8.77E-16	.000000	.000000	.000000
0.25000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
0.50000	.000000	4.39E-15	2.16E-31	.000000	1.58E-14	130.369500
0.75000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
1.00000	.000000	7.242750	8.77E-16	.000000	1.55E-29	3.14E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.242750	-8.77E-16	.000000	.000000	.000000
0.25000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
0.50000	.000000	-4.39E-15	-2.16E-31	.000000	-1.58E-14	-130.369500
0.75000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
1.00000	.000000	-7.242750	-8.77E-16	.000000	-1.55E-29	-3.14E-13

ELEM 99 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	14044.969	.000000	.000000	.000000	.000000	.000000
0.50000	14034.091	.000000	.000000	.000000	.000000	.000000
1.00000	14023.213	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-14044.969	.000000	.000000	.000000	.000000	.000000
0.50000	-14034.091	.000000	.000000	.000000	.000000	.000000
1.00000	-14023.213	.000000	.000000	.000000	.000000	.000000

ELEM 101 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9810.363	.000000	.000000	.000000	.000000	.000000
0.50000	9804.924	.000000	.000000	.000000	.000000	.000000
1.00000	9799.485	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9810.363	.000000	.000000	.000000	.000000	.000000
0.50000	-9804.924	.000000	.000000	.000000	.000000	.000000
1.00000	-9799.485	.000000	.000000	.000000	.000000	.000000

ELEM 103 ========== LENGTH = 48.000000

```
COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9147.635     .000000     .000000     .000000     .000000     .000000
0.50000    9142.196     .000000     .000000     .000000     .000000     .000000
1.00000    9136.757     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9147.635     .000000     .000000     .000000     .000000     .000000
0.50000   -9142.196     .000000     .000000     .000000     .000000     .000000
1.00000   -9136.757     .000000     .000000     .000000     .000000     .000000

ELEM     104 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9091.771     .000000     .000000     .000000     .000000     .000000
0.50000    9086.332     .000000     .000000     .000000     .000000     .000000
1.00000    9080.893     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9091.771     .000000     .000000     .000000     .000000     .000000
0.50000   -9086.332     .000000     .000000     .000000     .000000     .000000
1.00000   -9080.893     .000000     .000000     .000000     .000000     .000000

ELEM     106 ================== LENGTH =   84.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2698.522     .000000     .000000     .000000     .000000     .000000
0.50000    2689.004     .000000     .000000     .000000     .000000     .000000
1.00000    2679.486     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2698.522     .000000     .000000     .000000     .000000     .000000
0.50000   -2689.004     .000000     .000000     .000000     .000000     .000000
1.00000   -2679.486     .000000     .000000     .000000     .000000     .000000

ELEM     107 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
```

```
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     110 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     111 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     113 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13
```

ELEM 114 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 115 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 116 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 118 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 119 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 120 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.242750	8.77E-16	.000000	.000000	.000000
0.25000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
0.50000	.000000	4.39E-15	2.16E-31	.000000	1.58E-14	130.369500
0.75000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
1.00000	.000000	7.242750	8.77E-16	.000000	1.55E-29	3.14E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.242750	-8.77E-16	.000000	.000000	.000000
0.25000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
0.50000	.000000	-4.39E-15	-2.16E-31	.000000	-1.58E-14	-130.369500
0.75000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
1.00000	.000000	-7.242750	-8.77E-16	.000000	-1.55E-29	-3.14E-13

ELEM 123 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3

```
0.00000   13704.969     .000000     .000000     .000000     .000000     .000000
0.50000   13694.091     .000000     .000000     .000000     .000000     .000000
1.00000   13683.213     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13704.969     .000000     .000000     .000000     .000000     .000000
0.50000  -13694.091     .000000     .000000     .000000     .000000     .000000
1.00000  -13683.213     .000000     .000000     .000000     .000000     .000000

ELEM     125 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9470.363     .000000     .000000     .000000     .000000     .000000
0.50000    9464.924     .000000     .000000     .000000     .000000     .000000
1.00000    9459.485     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9470.363     .000000     .000000     .000000     .000000     .000000
0.50000   -9464.924     .000000     .000000     .000000     .000000     .000000
1.00000   -9459.485     .000000     .000000     .000000     .000000     .000000

ELEM     127 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8807.635     .000000     .000000     .000000     .000000     .000000
0.50000    8802.196     .000000     .000000     .000000     .000000     .000000
1.00000    8796.757     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8807.635     .000000     .000000     .000000     .000000     .000000
0.50000   -8802.196     .000000     .000000     .000000     .000000     .000000
1.00000   -8796.757     .000000     .000000     .000000     .000000     .000000

ELEM     128 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8751.771     .000000     .000000     .000000     .000000     .000000
0.50000    8746.332     .000000     .000000     .000000     .000000     .000000
1.00000    8740.893     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8751.771     .000000     .000000     .000000     .000000     .000000
0.50000   -8746.332     .000000     .000000     .000000     .000000     .000000
1.00000   -8740.893     .000000     .000000     .000000     .000000     .000000

ELEM     130 ================== LENGTH =   84.000000

COMBDEADLOAD ------------------ MAX
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	2277.522	.000000	.000000	.000000	.000000	.000000
0.50000	2268.004	.000000	.000000	.000000	.000000	.000000
1.00000	2258.486	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2277.522	.000000	.000000	.000000	.000000	.000000
0.50000	-2268.004	.000000	.000000	.000000	.000000	.000000
1.00000	-2258.486	.000000	.000000	.000000	.000000	.000000

ELEM 132 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 134 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 135 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 137 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 138 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 140 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3

0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 141 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 142 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 143 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000

```
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     145 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.242750    8.77E-16     .000000     .000000     .000000
0.25000     .000000    3.621375    4.39E-16     .000000    1.18E-14   97.777125
0.50000     .000000    4.39E-15    2.16E-31     .000000    1.58E-14  130.369500
0.75000     .000000    3.621375    4.39E-16     .000000    1.18E-14   97.777125
1.00000     .000000    7.242750    8.77E-16     .000000    1.55E-29    3.14E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.242750   -8.77E-16     .000000     .000000     .000000
0.25000     .000000   -3.621375   -4.39E-16     .000000   -1.18E-14  -97.777125
0.50000     .000000   -4.39E-15   -2.16E-31     .000000   -1.58E-14 -130.369500
0.75000     .000000   -3.621375   -4.39E-16     .000000   -1.18E-14  -97.777125
1.00000     .000000   -7.242750   -8.77E-16     .000000   -1.55E-29   -3.14E-13

ELEM     148 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   13233.969     .000000     .000000     .000000     .000000     .000000
0.50000   13223.091     .000000     .000000     .000000     .000000     .000000
1.00000   13212.213     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13233.969     .000000     .000000     .000000     .000000     .000000
0.50000  -13223.091     .000000     .000000     .000000     .000000     .000000
1.00000  -13212.213     .000000     .000000     .000000     .000000     .000000

ELEM     150 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8999.363     .000000     .000000     .000000     .000000     .000000
0.50000    8993.924     .000000     .000000     .000000     .000000     .000000
1.00000    8988.485     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8999.363     .000000     .000000     .000000     .000000     .000000
0.50000   -8993.924     .000000     .000000     .000000     .000000     .000000
1.00000   -8988.485     .000000     .000000     .000000     .000000     .000000

ELEM     152 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8336.635     .000000     .000000     .000000     .000000     .000000
0.50000    8331.196     .000000     .000000     .000000     .000000     .000000
1.00000    8325.757     .000000     .000000     .000000     .000000     .000000
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```
COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8336.635     .000000     .000000     .000000     .000000     .000000
0.50000   -8331.196     .000000     .000000     .000000     .000000     .000000
1.00000   -8325.757     .000000     .000000     .000000     .000000     .000000

ELEM     153 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8280.771     .000000     .000000     .000000     .000000     .000000
0.50000    8275.332     .000000     .000000     .000000     .000000     .000000
1.00000    8269.893     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8280.771     .000000     .000000     .000000     .000000     .000000
0.50000   -8275.332     .000000     .000000     .000000     .000000     .000000
1.00000   -8269.893     .000000     .000000     .000000     .000000     .000000

ELEM     155 ================== LENGTH =   63.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2277.522     .000000     .000000     .000000     .000000     .000000
0.50000    2270.383     .000000     .000000     .000000     .000000     .000000
1.00000    2263.245     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2277.522     .000000     .000000     .000000     .000000     .000000
0.50000   -2270.383     .000000     .000000     .000000     .000000     .000000
1.00000   -2263.245     .000000     .000000     .000000     .000000     .000000

ELEM     156 ================== LENGTH =   21.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2263.245     .000000     .000000     .000000     .000000     .000000
0.50000    2260.865     .000000     .000000     .000000     .000000     .000000
1.00000    2258.485     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2263.245     .000000     .000000     .000000     .000000     .000000
0.50000   -2260.865     .000000     .000000     .000000     .000000     .000000
1.00000   -2258.485     .000000     .000000     .000000     .000000     .000000

ELEM     158 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
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```
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     159 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     160 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     161 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13
```

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 162 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 163 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 164 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 165 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 166 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 167 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.242750	8.77E-16	.000000	.000000	.000000
0.25000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
0.50000	.000000	4.39E-15	2.16E-31	.000000	1.58E-14	130.369500
0.75000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
1.00000	.000000	7.242750	8.77E-16	.000000	1.55E-29	3.14E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.242750	-8.77E-16	.000000	.000000	.000000
0.25000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125

```
0.50000     .000000   -4.39E-15   -2.16E-31     .000000   -1.58E-14 -130.369500
0.75000     .000000   -3.621375   -4.39E-16     .000000   -1.18E-14  -97.777125
1.00000     .000000   -7.242750   -8.77E-16     .000000   -1.55E-29   -3.14E-13

ELEM     170 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   14734.969     .000000     .000000     .000000     .000000     .000000
0.50000   14724.091     .000000     .000000     .000000     .000000     .000000
1.00000   14713.213     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -14734.969     .000000     .000000     .000000     .000000     .000000
0.50000  -14724.091     .000000     .000000     .000000     .000000     .000000
1.00000  -14713.213     .000000     .000000     .000000     .000000     .000000

ELEM     172 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   10164.363     .000000     .000000     .000000     .000000     .000000
0.50000   10158.924     .000000     .000000     .000000     .000000     .000000
1.00000   10153.485     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -10164.363     .000000     .000000     .000000     .000000     .000000
0.50000  -10158.924     .000000     .000000     .000000     .000000     .000000
1.00000  -10153.485     .000000     .000000     .000000     .000000     .000000

ELEM     174 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8954.635     .000000     .000000     .000000     .000000     .000000
0.50000    8949.196     .000000     .000000     .000000     .000000     .000000
1.00000    8943.757     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8954.635     .000000     .000000     .000000     .000000     .000000
0.50000   -8949.196     .000000     .000000     .000000     .000000     .000000
1.00000   -8943.757     .000000     .000000     .000000     .000000     .000000

ELEM     175 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8546.771     .000000     .000000     .000000     .000000     .000000
0.50000    8541.332     .000000     .000000     .000000     .000000     .000000
1.00000    8535.893     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8546.771	.000000	.000000	.000000	.000000	.000000
0.50000	-8541.332	.000000	.000000	.000000	.000000	.000000
1.00000	-8535.893	.000000	.000000	.000000	.000000	.000000

ELEM 177 ========== LENGTH = 84.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2277.522	.000000	.000000	.000000	.000000	.000000
0.50000	2268.004	.000000	.000000	.000000	.000000	.000000
1.00000	2258.486	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2277.522	.000000	.000000	.000000	.000000	.000000
0.50000	-2268.004	.000000	.000000	.000000	.000000	.000000
1.00000	-2258.486	.000000	.000000	.000000	.000000	.000000

ELEM 179 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 180 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 181 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 182 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 183 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 184 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3

```
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     185 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     186 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     187 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
```

0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 188 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.242750	8.77E-16	.000000	.000000	.000000
0.25000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
0.50000	.000000	4.39E-15	2.16E-31	.000000	1.58E-14	130.369500
0.75000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
1.00000	.000000	7.242750	8.77E-16	.000000	1.55E-29	3.14E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.242750	-8.77E-16	.000000	.000000	.000000
0.25000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
0.50000	.000000	-4.39E-15	-2.16E-31	.000000	-1.58E-14	-130.369500
0.75000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
1.00000	.000000	-7.242750	-8.77E-16	.000000	-1.55E-29	-3.14E-13

ELEM 191 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	13233.969	.000000	.000000	.000000	.000000	.000000
0.50000	13223.091	.000000	.000000	.000000	.000000	.000000
1.00000	13212.213	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-13233.969	.000000	.000000	.000000	.000000	.000000
0.50000	-13223.091	.000000	.000000	.000000	.000000	.000000
1.00000	-13212.213	.000000	.000000	.000000	.000000	.000000

ELEM 193 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8999.363	.000000	.000000	.000000	.000000	.000000
0.50000	8993.924	.000000	.000000	.000000	.000000	.000000
1.00000	8988.485	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8999.363	.000000	.000000	.000000	.000000	.000000
0.50000	-8993.924	.000000	.000000	.000000	.000000	.000000
1.00000	-8988.485	.000000	.000000	.000000	.000000	.000000

```
ELEM     195 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8336.635     .000000     .000000     .000000     .000000     .000000
0.50000    8331.196     .000000     .000000     .000000     .000000     .000000
1.00000    8325.757     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8336.635     .000000     .000000     .000000     .000000     .000000
0.50000   -8331.196     .000000     .000000     .000000     .000000     .000000
1.00000   -8325.757     .000000     .000000     .000000     .000000     .000000

ELEM     196 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8280.771     .000000     .000000     .000000     .000000     .000000
0.50000    8275.332     .000000     .000000     .000000     .000000     .000000
1.00000    8269.893     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8280.771     .000000     .000000     .000000     .000000     .000000
0.50000   -8275.332     .000000     .000000     .000000     .000000     .000000
1.00000   -8269.893     .000000     .000000     .000000     .000000     .000000

ELEM     198 ================== LENGTH =   63.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2277.522     .000000     .000000     .000000     .000000     .000000
0.50000    2270.383     .000000     .000000     .000000     .000000     .000000
1.00000    2263.245     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2277.522     .000000     .000000     .000000     .000000     .000000
0.50000   -2270.383     .000000     .000000     .000000     .000000     .000000
1.00000   -2263.245     .000000     .000000     .000000     .000000     .000000

ELEM     199 ================== LENGTH =   21.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2263.245     .000000     .000000     .000000     .000000     .000000
0.50000    2260.865     .000000     .000000     .000000     .000000     .000000
1.00000    2258.485     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2263.245     .000000     .000000     .000000     .000000     .000000
0.50000   -2260.865     .000000     .000000     .000000     .000000     .000000
```

```
1.00000   -2258.485     .000000     .000000     .000000     .000000     .000000

ELEM     201 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     204 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     205 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     207 ================== LENGTH =   72.000000
```

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 208 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 210 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 211 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 212 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 213 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 215 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.242750	8.77E-16	.000000	.000000	.000000
0.25000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125

```
0.50000     .000000    4.39E-15    2.16E-31     .000000    1.58E-14  130.369500
0.75000     .000000    3.621375    4.39E-16     .000000    1.18E-14   97.777125
1.00000     .000000    7.242750    8.77E-16     .000000    1.55E-29    3.14E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.242750   -8.77E-16     .000000     .000000     .000000
0.25000     .000000   -3.621375   -4.39E-16     .000000   -1.18E-14  -97.777125
0.50000     .000000   -4.39E-15   -2.16E-31     .000000   -1.58E-14 -130.369500
0.75000     .000000   -3.621375   -4.39E-16     .000000   -1.18E-14  -97.777125
1.00000     .000000   -7.242750   -8.77E-16     .000000   -1.55E-29   -3.14E-13

ELEM     218 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   13233.969     .000000     .000000     .000000     .000000     .000000
0.50000   13223.091     .000000     .000000     .000000     .000000     .000000
1.00000   13212.213     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13233.969     .000000     .000000     .000000     .000000     .000000
0.50000  -13223.091     .000000     .000000     .000000     .000000     .000000
1.00000  -13212.213     .000000     .000000     .000000     .000000     .000000

ELEM     220 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8999.363     .000000     .000000     .000000     .000000     .000000
0.50000    8993.924     .000000     .000000     .000000     .000000     .000000
1.00000    8988.485     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8999.363     .000000     .000000     .000000     .000000     .000000
0.50000   -8993.924     .000000     .000000     .000000     .000000     .000000
1.00000   -8988.485     .000000     .000000     .000000     .000000     .000000

ELEM     222 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8336.635     .000000     .000000     .000000     .000000     .000000
0.50000    8331.196     .000000     .000000     .000000     .000000     .000000
1.00000    8325.757     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8336.635     .000000     .000000     .000000     .000000     .000000
0.50000   -8331.196     .000000     .000000     .000000     .000000     .000000
1.00000   -8325.757     .000000     .000000     .000000     .000000     .000000

ELEM     223 ================== LENGTH =   48.000000
```

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8280.771	.000000	.000000	.000000	.000000	.000000
0.50000	8275.332	.000000	.000000	.000000	.000000	.000000
1.00000	8269.893	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8280.771	.000000	.000000	.000000	.000000	.000000
0.50000	-8275.332	.000000	.000000	.000000	.000000	.000000
1.00000	-8269.893	.000000	.000000	.000000	.000000	.000000

ELEM 225 ========== LENGTH = 84.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2277.522	.000000	.000000	.000000	.000000	.000000
0.50000	2268.004	.000000	.000000	.000000	.000000	.000000
1.00000	2258.486	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2277.522	.000000	.000000	.000000	.000000	.000000
0.50000	-2268.004	.000000	.000000	.000000	.000000	.000000
1.00000	-2258.486	.000000	.000000	.000000	.000000	.000000

ELEM 226 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 228 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

```
REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     229 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     231 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     232 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
```

```
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     233 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     234 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     236 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13
```

ELEM 237 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 238 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.242750	8.77E-16	.000000	.000000	.000000
0.25000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
0.50000	.000000	4.39E-15	2.16E-31	.000000	1.58E-14	130.369500
0.75000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
1.00000	.000000	7.242750	8.77E-16	.000000	1.55E-29	3.14E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.242750	-8.77E-16	.000000	.000000	.000000
0.25000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
0.50000	.000000	-4.39E-15	-2.16E-31	.000000	-1.58E-14	-130.369500
0.75000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
1.00000	.000000	-7.242750	-8.77E-16	.000000	-1.55E-29	-3.14E-13

ELEM 241 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	13654.969	.000000	.000000	.000000	.000000	.000000
0.50000	13644.091	.000000	.000000	.000000	.000000	.000000
1.00000	13633.213	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-13654.969	.000000	.000000	.000000	.000000	.000000
0.50000	-13644.091	.000000	.000000	.000000	.000000	.000000
1.00000	-13633.213	.000000	.000000	.000000	.000000	.000000

ELEM 243 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9420.363	.000000	.000000	.000000	.000000	.000000

```
0.50000    9414.924     .000000     .000000     .000000     .000000     .000000
1.00000    9409.485     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9420.363     .000000     .000000     .000000     .000000     .000000
0.50000   -9414.924     .000000     .000000     .000000     .000000     .000000
1.00000   -9409.485     .000000     .000000     .000000     .000000     .000000

ELEM     245 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8757.635     .000000     .000000     .000000     .000000     .000000
0.50000    8752.196     .000000     .000000     .000000     .000000     .000000
1.00000    8746.757     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8757.635     .000000     .000000     .000000     .000000     .000000
0.50000   -8752.196     .000000     .000000     .000000     .000000     .000000
1.00000   -8746.757     .000000     .000000     .000000     .000000     .000000

ELEM     246 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8701.771     .000000     .000000     .000000     .000000     .000000
0.50000    8696.332     .000000     .000000     .000000     .000000     .000000
1.00000    8690.893     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8701.771     .000000     .000000     .000000     .000000     .000000
0.50000   -8696.332     .000000     .000000     .000000     .000000     .000000
1.00000   -8690.893     .000000     .000000     .000000     .000000     .000000

ELEM     248 ================== LENGTH =   84.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2698.522     .000000     .000000     .000000     .000000     .000000
0.50000    2689.004     .000000     .000000     .000000     .000000     .000000
1.00000    2679.486     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2698.522     .000000     .000000     .000000     .000000     .000000
0.50000   -2689.004     .000000     .000000     .000000     .000000     .000000
1.00000   -2679.486     .000000     .000000     .000000     .000000     .000000

ELEM     251 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
```

0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 252 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 253 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 255 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000

```
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     256 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     257 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     258 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13
```

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 259 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 260 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 261 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.242750	8.77E-16	.000000	.000000	.000000
0.25000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
0.50000	.000000	4.39E-15	2.16E-31	.000000	1.58E-14	130.369500
0.75000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
1.00000	.000000	7.242750	8.77E-16	.000000	1.55E-29	3.14E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3

0.00000	.000000	-7.242750	-8.77E-16	.000000	.000000	.000000
0.25000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
0.50000	.000000	-4.39E-15	-2.16E-31	.000000	-1.58E-14	-130.369500
0.75000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
1.00000	.000000	-7.242750	-8.77E-16	.000000	-1.55E-29	-3.14E-13

ELEM 266 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	13654.969	.000000	.000000	.000000	.000000	.000000
0.50000	13644.091	.000000	.000000	.000000	.000000	.000000
1.00000	13633.213	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-13654.969	.000000	.000000	.000000	.000000	.000000
0.50000	-13644.091	.000000	.000000	.000000	.000000	.000000
1.00000	-13633.213	.000000	.000000	.000000	.000000	.000000

ELEM 268 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9420.363	.000000	.000000	.000000	.000000	.000000
0.50000	9414.924	.000000	.000000	.000000	.000000	.000000
1.00000	9409.485	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9420.363	.000000	.000000	.000000	.000000	.000000
0.50000	-9414.924	.000000	.000000	.000000	.000000	.000000
1.00000	-9409.485	.000000	.000000	.000000	.000000	.000000

ELEM 270 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8757.635	.000000	.000000	.000000	.000000	.000000
0.50000	8752.196	.000000	.000000	.000000	.000000	.000000
1.00000	8746.757	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8757.635	.000000	.000000	.000000	.000000	.000000
0.50000	-8752.196	.000000	.000000	.000000	.000000	.000000
1.00000	-8746.757	.000000	.000000	.000000	.000000	.000000

ELEM 271 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8701.771	.000000	.000000	.000000	.000000	.000000
0.50000	8696.332	.000000	.000000	.000000	.000000	.000000
1.00000	8690.893	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8701.771	.000000	.000000	.000000	.000000	.000000
0.50000	-8696.332	.000000	.000000	.000000	.000000	.000000
1.00000	-8690.893	.000000	.000000	.000000	.000000	.000000

ELEM 273 ========== LENGTH = 84.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2698.522	.000000	.000000	.000000	.000000	.000000
0.50000	2689.004	.000000	.000000	.000000	.000000	.000000
1.00000	2679.486	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2698.522	.000000	.000000	.000000	.000000	.000000
0.50000	-2689.004	.000000	.000000	.000000	.000000	.000000
1.00000	-2679.486	.000000	.000000	.000000	.000000	.000000

ELEM 274 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 275 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 276 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 278 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 279 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 281 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 282 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 284 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 285 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000

```
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     286 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.242750    8.77E-16     .000000     .000000     .000000
0.25000     .000000    3.621375    4.39E-16     .000000    1.18E-14   97.777125
0.50000     .000000    4.39E-15    2.16E-31     .000000    1.58E-14  130.369500
0.75000     .000000    3.621375    4.39E-16     .000000    1.18E-14   97.777125
1.00000     .000000    7.242750    8.77E-16     .000000    1.55E-29    3.14E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.242750   -8.77E-16     .000000     .000000     .000000
0.25000     .000000   -3.621375   -4.39E-16     .000000   -1.18E-14  -97.777125
0.50000     .000000   -4.39E-15   -2.16E-31     .000000   -1.58E-14 -130.369500
0.75000     .000000   -3.621375   -4.39E-16     .000000   -1.18E-14  -97.777125
1.00000     .000000   -7.242750   -8.77E-16     .000000   -1.55E-29   -3.14E-13

ELEM     289 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   13233.969     .000000     .000000     .000000     .000000     .000000
0.50000   13223.091     .000000     .000000     .000000     .000000     .000000
1.00000   13212.213     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13233.969     .000000     .000000     .000000     .000000     .000000
0.50000  -13223.091     .000000     .000000     .000000     .000000     .000000
1.00000  -13212.213     .000000     .000000     .000000     .000000     .000000

ELEM     291 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8999.363     .000000     .000000     .000000     .000000     .000000
0.50000    8993.924     .000000     .000000     .000000     .000000     .000000
1.00000    8988.485     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8999.363     .000000     .000000     .000000     .000000     .000000
```

```
0.50000   -8993.924     .000000     .000000     .000000     .000000     .000000
1.00000   -8988.485     .000000     .000000     .000000     .000000     .000000

ELEM     293 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8336.635     .000000     .000000     .000000     .000000     .000000
0.50000    8331.196     .000000     .000000     .000000     .000000     .000000
1.00000    8325.757     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8336.635     .000000     .000000     .000000     .000000     .000000
0.50000   -8331.196     .000000     .000000     .000000     .000000     .000000
1.00000   -8325.757     .000000     .000000     .000000     .000000     .000000

ELEM     294 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8280.771     .000000     .000000     .000000     .000000     .000000
0.50000    8275.332     .000000     .000000     .000000     .000000     .000000
1.00000    8269.893     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8280.771     .000000     .000000     .000000     .000000     .000000
0.50000   -8275.332     .000000     .000000     .000000     .000000     .000000
1.00000   -8269.893     .000000     .000000     .000000     .000000     .000000

ELEM     296 ================== LENGTH =   84.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2277.522     .000000     .000000     .000000     .000000     .000000
0.50000    2268.004     .000000     .000000     .000000     .000000     .000000
1.00000    2258.486     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2277.522     .000000     .000000     .000000     .000000     .000000
0.50000   -2268.004     .000000     .000000     .000000     .000000     .000000
1.00000   -2258.486     .000000     .000000     .000000     .000000     .000000

ELEM     297 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 300 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 301 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 303 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000

```
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     304 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     306 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     307 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
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1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     309 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     310 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     311 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.242750    8.77E-16     .000000     .000000     .000000
0.25000     .000000    3.621375    4.39E-16     .000000    1.18E-14   97.777125
0.50000     .000000    4.39E-15    2.16E-31     .000000    1.58E-14  130.369500
0.75000     .000000    3.621375    4.39E-16     .000000    1.18E-14   97.777125
1.00000     .000000    7.242750    8.77E-16     .000000    1.55E-29    3.14E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.242750   -8.77E-16     .000000     .000000     .000000
0.25000     .000000   -3.621375   -4.39E-16     .000000   -1.18E-14  -97.777125
0.50000     .000000   -4.39E-15   -2.16E-31     .000000   -1.58E-14 -130.369500
0.75000     .000000   -3.621375   -4.39E-16     .000000   -1.18E-14  -97.777125
1.00000     .000000   -7.242750   -8.77E-16     .000000   -1.55E-29   -3.14E-13

ELEM     314 ================== LENGTH =   48.000000
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COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   13233.969     .000000     .000000     .000000     .000000     .000000
0.50000   13223.091     .000000     .000000     .000000     .000000     .000000
1.00000   13212.213     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13233.969     .000000     .000000     .000000     .000000     .000000
0.50000  -13223.091     .000000     .000000     .000000     .000000     .000000
1.00000  -13212.213     .000000     .000000     .000000     .000000     .000000

ELEM     316 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8999.363     .000000     .000000     .000000     .000000     .000000
0.50000    8993.924     .000000     .000000     .000000     .000000     .000000
1.00000    8988.485     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8999.363     .000000     .000000     .000000     .000000     .000000
0.50000   -8993.924     .000000     .000000     .000000     .000000     .000000
1.00000   -8988.485     .000000     .000000     .000000     .000000     .000000

ELEM     318 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8336.635     .000000     .000000     .000000     .000000     .000000
0.50000    8331.196     .000000     .000000     .000000     .000000     .000000
1.00000    8325.757     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8336.635     .000000     .000000     .000000     .000000     .000000
0.50000   -8331.196     .000000     .000000     .000000     .000000     .000000
1.00000   -8325.757     .000000     .000000     .000000     .000000     .000000

ELEM     319 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8280.771     .000000     .000000     .000000     .000000     .000000
0.50000    8275.332     .000000     .000000     .000000     .000000     .000000
1.00000    8269.893     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8280.771     .000000     .000000     .000000     .000000     .000000
0.50000   -8275.332     .000000     .000000     .000000     .000000     .000000
1.00000   -8269.893     .000000     .000000     .000000     .000000     .000000
```

ELEM 321 ========== LENGTH = 84.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2277.522	.000000	.000000	.000000	.000000	.000000
0.50000	2268.004	.000000	.000000	.000000	.000000	.000000
1.00000	2258.486	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2277.522	.000000	.000000	.000000	.000000	.000000
0.50000	-2268.004	.000000	.000000	.000000	.000000	.000000
1.00000	-2258.486	.000000	.000000	.000000	.000000	.000000

ELEM 323 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 324 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 325 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500

```
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     326 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     327 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -6.993000   -8.47E-16     .000000     .000000     .000000
0.25000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
0.50000     .000000   -2.61E-15   -7.40E-32     .000000   -1.52E-14 -125.874000
0.75000     .000000   -3.496500   -4.23E-16     .000000   -1.14E-14  -94.405500
1.00000     .000000   -6.993000   -8.47E-16     .000000   -2.93E-30   -1.95E-13

ELEM     328 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    6.993000    8.47E-16     .000000     .000000     .000000
0.25000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
0.50000     .000000    2.61E-15    7.40E-32     .000000    1.52E-14  125.874000
0.75000     .000000    3.496500    4.23E-16     .000000    1.14E-14   94.405500
1.00000     .000000    6.993000    8.47E-16     .000000    2.93E-30    1.95E-13
```

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 329 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 330 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 331 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	6.993000	8.47E-16	.000000	.000000	.000000
0.25000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
0.50000	.000000	2.61E-15	7.40E-32	.000000	1.52E-14	125.874000
0.75000	.000000	3.496500	4.23E-16	.000000	1.14E-14	94.405500
1.00000	.000000	6.993000	8.47E-16	.000000	2.93E-30	1.95E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-6.993000	-8.47E-16	.000000	.000000	.000000
0.25000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
0.50000	.000000	-2.61E-15	-7.40E-32	.000000	-1.52E-14	-125.874000
0.75000	.000000	-3.496500	-4.23E-16	.000000	-1.14E-14	-94.405500
1.00000	.000000	-6.993000	-8.47E-16	.000000	-2.93E-30	-1.95E-13

ELEM 333 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.242750	8.77E-16	.000000	.000000	.000000
0.25000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
0.50000	.000000	4.39E-15	2.16E-31	.000000	1.58E-14	130.369500
0.75000	.000000	3.621375	4.39E-16	.000000	1.18E-14	97.777125
1.00000	.000000	7.242750	8.77E-16	.000000	1.55E-29	3.14E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.242750	-8.77E-16	.000000	.000000	.000000
0.25000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
0.50000	.000000	-4.39E-15	-2.16E-31	.000000	-1.58E-14	-130.369500
0.75000	.000000	-3.621375	-4.39E-16	.000000	-1.18E-14	-97.777125
1.00000	.000000	-7.242750	-8.77E-16	.000000	-1.55E-29	-3.14E-13

ELEM 336 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	14694.776	.000000	.000000	.000000	.000000	.000000
0.50000	14683.898	.000000	.000000	.000000	.000000	.000000
1.00000	14673.020	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-14694.776	.000000	.000000	.000000	.000000	.000000
0.50000	-14683.898	.000000	.000000	.000000	.000000	.000000
1.00000	-14673.020	.000000	.000000	.000000	.000000	.000000

ELEM 338 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	10122.156	.000000	.000000	.000000	.000000	.000000
0.50000	10116.717	.000000	.000000	.000000	.000000	.000000
1.00000	10111.278	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-10122.156	.000000	.000000	.000000	.000000	.000000
0.50000	-10116.717	.000000	.000000	.000000	.000000	.000000
1.00000	-10111.278	.000000	.000000	.000000	.000000	.000000

ELEM 340 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    8926.414     .000000     .000000     .000000     .000000     .000000
0.50000    8920.975     .000000     .000000     .000000     .000000     .000000
1.00000    8915.536     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8926.414     .000000     .000000     .000000     .000000     .000000
0.50000   -8920.975     .000000     .000000     .000000     .000000     .000000
1.00000   -8915.536     .000000     .000000     .000000     .000000     .000000

ELEM     341 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8525.543     .000000     .000000     .000000     .000000     .000000
0.50000    8520.104     .000000     .000000     .000000     .000000     .000000
1.00000    8514.665     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8525.543     .000000     .000000     .000000     .000000     .000000
0.50000   -8520.104     .000000     .000000     .000000     .000000     .000000
1.00000   -8514.665     .000000     .000000     .000000     .000000     .000000

ELEM     343 ================== LENGTH =   63.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2270.279     .000000     .000000     .000000     .000000     .000000
0.50000    2263.141     .000000     .000000     .000000     .000000     .000000
1.00000    2256.002     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2270.279     .000000     .000000     .000000     .000000     .000000
0.50000   -2263.141     .000000     .000000     .000000     .000000     .000000
1.00000   -2256.002     .000000     .000000     .000000     .000000     .000000

ELEM     344 ================== LENGTH =   21.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2256.002     .000000     .000000     .000000     .000000     .000000
0.50000    2253.622     .000000     .000000     .000000     .000000     .000000
1.00000    2251.243     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2256.002     .000000     .000000     .000000     .000000     .000000
0.50000   -2253.622     .000000     .000000     .000000     .000000     .000000
1.00000   -2251.243     .000000     .000000     .000000     .000000     .000000

ELEM     346 ================== LENGTH =   18.250000

COMBDEADLOAD ------------------ MAX
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000   10417.511     .000000     .000000     .000000     .000000     .000000
0.50000   10413.375     .000000     .000000     .000000     .000000     .000000
1.00000   10409.240     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -10417.511     .000000     .000000     .000000     .000000     .000000
0.50000  -10413.375     .000000     .000000     .000000     .000000     .000000
1.00000  -10409.240     .000000     .000000     .000000     .000000     .000000

ELEM     347 ================== LENGTH =   56.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   10387.240     .000000     .000000     .000000     .000000     .000000
0.50000   10374.379     .000000     .000000     .000000     .000000     .000000
1.00000   10361.518     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -10387.240     .000000     .000000     .000000     .000000     .000000
0.50000  -10374.379     .000000     .000000     .000000     .000000     .000000
1.00000  -10361.518     .000000     .000000     .000000     .000000     .000000

ELEM     348 ================== LENGTH =   18.250000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   13931.691     .000000     .000000     .000000     .000000     .000000
0.50000   13927.555     .000000     .000000     .000000     .000000     .000000
1.00000   13923.419     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13931.691     .000000     .000000     .000000     .000000     .000000
0.50000  -13927.555     .000000     .000000     .000000     .000000     .000000
1.00000  -13923.419     .000000     .000000     .000000     .000000     .000000

ELEM     349 ================== LENGTH =   56.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   13878.419     .000000     .000000     .000000     .000000     .000000
0.50000   13865.558     .000000     .000000     .000000     .000000     .000000
1.00000   13852.697     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13878.419     .000000     .000000     .000000     .000000     .000000
0.50000  -13865.558     .000000     .000000     .000000     .000000     .000000
1.00000  -13852.697     .000000     .000000     .000000     .000000     .000000

ELEM     350 ================== LENGTH =   18.250000
```

```
COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   15010.691     .000000     .000000     .000000     .000000     .000000
0.50000   15006.555     .000000     .000000     .000000     .000000     .000000
1.00000   15002.419     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -15010.691     .000000     .000000     .000000     .000000     .000000
0.50000  -15006.555     .000000     .000000     .000000     .000000     .000000
1.00000  -15002.419     .000000     .000000     .000000     .000000     .000000

ELEM     351 ================== LENGTH =   56.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   14957.419     .000000     .000000     .000000     .000000     .000000
0.50000   14944.558     .000000     .000000     .000000     .000000     .000000
1.00000   14931.697     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -14957.419     .000000     .000000     .000000     .000000     .000000
0.50000  -14944.558     .000000     .000000     .000000     .000000     .000000
1.00000  -14931.697     .000000     .000000     .000000     .000000     .000000

ELEM     352 ================== LENGTH =   18.250000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   14948.691     .000000     .000000     .000000     .000000     .000000
0.50000   14944.555     .000000     .000000     .000000     .000000     .000000
1.00000   14940.419     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -14948.691     .000000     .000000     .000000     .000000     .000000
0.50000  -14944.555     .000000     .000000     .000000     .000000     .000000
1.00000  -14940.419     .000000     .000000     .000000     .000000     .000000

ELEM     353 ================== LENGTH =   56.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   14895.419     .000000     .000000     .000000     .000000     .000000
0.50000   14882.558     .000000     .000000     .000000     .000000     .000000
1.00000   14869.697     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -14895.419     .000000     .000000     .000000     .000000     .000000
0.50000  -14882.558     .000000     .000000     .000000     .000000     .000000
1.00000  -14869.697     .000000     .000000     .000000     .000000     .000000

ELEM     354 ================== LENGTH =   18.250000
```

```
COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   14742.691     .000000     .000000     .000000     .000000     .000000
0.50000   14738.555     .000000     .000000     .000000     .000000     .000000
1.00000   14734.419     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -14742.691     .000000     .000000     .000000     .000000     .000000
0.50000  -14738.555     .000000     .000000     .000000     .000000     .000000
1.00000  -14734.419     .000000     .000000     .000000     .000000     .000000

ELEM     355 ================== LENGTH =   56.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   14689.419     .000000     .000000     .000000     .000000     .000000
0.50000   14676.558     .000000     .000000     .000000     .000000     .000000
1.00000   14663.697     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -14689.419     .000000     .000000     .000000     .000000     .000000
0.50000  -14676.558     .000000     .000000     .000000     .000000     .000000
1.00000  -14663.697     .000000     .000000     .000000     .000000     .000000

ELEM     356 ================== LENGTH =   18.250000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   14402.691     .000000     .000000     .000000     .000000     .000000
0.50000   14398.555     .000000     .000000     .000000     .000000     .000000
1.00000   14394.419     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -14402.691     .000000     .000000     .000000     .000000     .000000
0.50000  -14398.555     .000000     .000000     .000000     .000000     .000000
1.00000  -14394.419     .000000     .000000     .000000     .000000     .000000

ELEM     357 ================== LENGTH =   56.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   14349.419     .000000     .000000     .000000     .000000     .000000
0.50000   14336.558     .000000     .000000     .000000     .000000     .000000
1.00000   14323.697     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -14349.419     .000000     .000000     .000000     .000000     .000000
0.50000  -14336.558     .000000     .000000     .000000     .000000     .000000
1.00000  -14323.697     .000000     .000000     .000000     .000000     .000000
```

ELEM 358 ========== LENGTH = 18.250000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	13931.691	.000000	.000000	.000000	.000000	.000000
0.50000	13927.555	.000000	.000000	.000000	.000000	.000000
1.00000	13923.419	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-13931.691	.000000	.000000	.000000	.000000	.000000
0.50000	-13927.555	.000000	.000000	.000000	.000000	.000000
1.00000	-13923.419	.000000	.000000	.000000	.000000	.000000

ELEM 359 ========== LENGTH = 56.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	13878.419	.000000	.000000	.000000	.000000	.000000
0.50000	13865.558	.000000	.000000	.000000	.000000	.000000
1.00000	13852.697	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-13878.419	.000000	.000000	.000000	.000000	.000000
0.50000	-13865.558	.000000	.000000	.000000	.000000	.000000
1.00000	-13852.697	.000000	.000000	.000000	.000000	.000000

ELEM 360 ========== LENGTH = 18.250000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	15755.691	.000000	.000000	.000000	.000000	.000000
0.50000	15751.555	.000000	.000000	.000000	.000000	.000000
1.00000	15747.419	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-15755.691	.000000	.000000	.000000	.000000	.000000
0.50000	-15751.555	.000000	.000000	.000000	.000000	.000000
1.00000	-15747.419	.000000	.000000	.000000	.000000	.000000

ELEM 361 ========== LENGTH = 56.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	15702.419	.000000	.000000	.000000	.000000	.000000
0.50000	15689.558	.000000	.000000	.000000	.000000	.000000
1.00000	15676.697	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-15702.419	.000000	.000000	.000000	.000000	.000000
0.50000	-15689.558	.000000	.000000	.000000	.000000	.000000
1.00000	-15676.697	.000000	.000000	.000000	.000000	.000000

```
ELEM     362 ================== LENGTH =   18.250000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   13931.691     .000000     .000000     .000000     .000000     .000000
0.50000   13927.555     .000000     .000000     .000000     .000000     .000000
1.00000   13923.419     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13931.691     .000000     .000000     .000000     .000000     .000000
0.50000  -13927.555     .000000     .000000     .000000     .000000     .000000
1.00000  -13923.419     .000000     .000000     .000000     .000000     .000000

ELEM     363 ================== LENGTH =   56.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   13878.419     .000000     .000000     .000000     .000000     .000000
0.50000   13865.558     .000000     .000000     .000000     .000000     .000000
1.00000   13852.697     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13878.419     .000000     .000000     .000000     .000000     .000000
0.50000  -13865.558     .000000     .000000     .000000     .000000     .000000
1.00000  -13852.697     .000000     .000000     .000000     .000000     .000000

ELEM     364 ================== LENGTH =   18.250000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   13931.691     .000000     .000000     .000000     .000000     .000000
0.50000   13927.555     .000000     .000000     .000000     .000000     .000000
1.00000   13923.419     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13931.691     .000000     .000000     .000000     .000000     .000000
0.50000  -13927.555     .000000     .000000     .000000     .000000     .000000
1.00000  -13923.419     .000000     .000000     .000000     .000000     .000000

ELEM     365 ================== LENGTH =   56.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   13878.419     .000000     .000000     .000000     .000000     .000000
0.50000   13865.558     .000000     .000000     .000000     .000000     .000000
1.00000   13852.697     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13878.419     .000000     .000000     .000000     .000000     .000000
0.50000  -13865.558     .000000     .000000     .000000     .000000     .000000
```

```
1.00000  -13852.697     .000000     .000000     .000000     .000000     .000000

ELEM     366 ================== LENGTH =   18.250000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   14352.691     .000000     .000000     .000000     .000000     .000000
0.50000   14348.555     .000000     .000000     .000000     .000000     .000000
1.00000   14344.419     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -14352.691     .000000     .000000     .000000     .000000     .000000
0.50000  -14348.555     .000000     .000000     .000000     .000000     .000000
1.00000  -14344.419     .000000     .000000     .000000     .000000     .000000

ELEM     367 ================== LENGTH =   56.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   14299.419     .000000     .000000     .000000     .000000     .000000
0.50000   14286.558     .000000     .000000     .000000     .000000     .000000
1.00000   14273.697     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -14299.419     .000000     .000000     .000000     .000000     .000000
0.50000  -14286.558     .000000     .000000     .000000     .000000     .000000
1.00000  -14273.697     .000000     .000000     .000000     .000000     .000000

ELEM     368 ================== LENGTH =   18.250000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   14352.691     .000000     .000000     .000000     .000000     .000000
0.50000   14348.555     .000000     .000000     .000000     .000000     .000000
1.00000   14344.419     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -14352.691     .000000     .000000     .000000     .000000     .000000
0.50000  -14348.555     .000000     .000000     .000000     .000000     .000000
1.00000  -14344.419     .000000     .000000     .000000     .000000     .000000

ELEM     369 ================== LENGTH =   56.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   14299.419     .000000     .000000     .000000     .000000     .000000
0.50000   14286.558     .000000     .000000     .000000     .000000     .000000
1.00000   14273.697     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -14299.419     .000000     .000000     .000000     .000000     .000000
```

```
0.50000  -14286.558     .000000     .000000     .000000     .000000     .000000
1.00000  -14273.697     .000000     .000000     .000000     .000000     .000000

ELEM     370 ================== LENGTH =   18.250000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   13931.691     .000000     .000000     .000000     .000000     .000000
0.50000   13927.555     .000000     .000000     .000000     .000000     .000000
1.00000   13923.419     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13931.691     .000000     .000000     .000000     .000000     .000000
0.50000  -13927.555     .000000     .000000     .000000     .000000     .000000
1.00000  -13923.419     .000000     .000000     .000000     .000000     .000000

ELEM     371 ================== LENGTH =   56.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   13878.419     .000000     .000000     .000000     .000000     .000000
0.50000   13865.558     .000000     .000000     .000000     .000000     .000000
1.00000   13852.697     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13878.419     .000000     .000000     .000000     .000000     .000000
0.50000  -13865.558     .000000     .000000     .000000     .000000     .000000
1.00000  -13852.697     .000000     .000000     .000000     .000000     .000000

ELEM     372 ================== LENGTH =   18.250000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   13931.691     .000000     .000000     .000000     .000000     .000000
0.50000   13927.555     .000000     .000000     .000000     .000000     .000000
1.00000   13923.419     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13931.691     .000000     .000000     .000000     .000000     .000000
0.50000  -13927.555     .000000     .000000     .000000     .000000     .000000
1.00000  -13923.419     .000000     .000000     .000000     .000000     .000000

ELEM     373 ================== LENGTH =   56.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   13878.419     .000000     .000000     .000000     .000000     .000000
0.50000   13865.558     .000000     .000000     .000000     .000000     .000000
1.00000   13852.697     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000  -13878.419     .000000     .000000     .000000     .000000     .000000
0.50000  -13865.558     .000000     .000000     .000000     .000000     .000000
1.00000  -13852.697     .000000     .000000     .000000     .000000     .000000

ELEM     374 ================== LENGTH =   18.250000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   15701.511     .000000     .000000     .000000     .000000     .000000
0.50000   15697.375     .000000     .000000     .000000     .000000     .000000
1.00000   15693.240     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -15701.511     .000000     .000000     .000000     .000000     .000000
0.50000  -15697.375     .000000     .000000     .000000     .000000     .000000
1.00000  -15693.240     .000000     .000000     .000000     .000000     .000000

ELEM     375 ================== LENGTH =   56.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   15648.240     .000000     .000000     .000000     .000000     .000000
0.50000   15635.379     .000000     .000000     .000000     .000000     .000000
1.00000   15622.518     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -15648.240     .000000     .000000     .000000     .000000     .000000
0.50000  -15635.379     .000000     .000000     .000000     .000000     .000000
1.00000  -15622.518     .000000     .000000     .000000     .000000     .000000

ELEM     391 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   10184.525     .000000     .000000     .000000     .000000     .000000
0.50000   10179.086     .000000     .000000     .000000     .000000     .000000
1.00000   10173.647     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -10184.525     .000000     .000000     .000000     .000000     .000000
0.50000  -10179.086     .000000     .000000     .000000     .000000     .000000
1.00000  -10173.647     .000000     .000000     .000000     .000000     .000000

ELEM     392 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9814.647     .000000     .000000     .000000     .000000     .000000
0.50000    9809.208     .000000     .000000     .000000     .000000     .000000
1.00000    9803.769     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000   -9814.647     .000000     .000000     .000000     .000000     .000000
0.50000   -9809.208     .000000     .000000     .000000     .000000     .000000
1.00000   -9803.769     .000000     .000000     .000000     .000000     .000000

ELEM     393 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   13652.711     .000000     .000000     .000000     .000000     .000000
0.50000   13647.272     .000000     .000000     .000000     .000000     .000000
1.00000   13641.833     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13652.711     .000000     .000000     .000000     .000000     .000000
0.50000  -13647.272     .000000     .000000     .000000     .000000     .000000
1.00000  -13641.833     .000000     .000000     .000000     .000000     .000000

ELEM     394 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   13403.833     .000000     .000000     .000000     .000000     .000000
0.50000   13398.394     .000000     .000000     .000000     .000000     .000000
1.00000   13392.955     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13403.833     .000000     .000000     .000000     .000000     .000000
0.50000  -13398.394     .000000     .000000     .000000     .000000     .000000
1.00000  -13392.955     .000000     .000000     .000000     .000000     .000000

ELEM     395 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   14731.711     .000000     .000000     .000000     .000000     .000000
0.50000   14726.272     .000000     .000000     .000000     .000000     .000000
1.00000   14720.833     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -14731.711     .000000     .000000     .000000     .000000     .000000
0.50000  -14726.272     .000000     .000000     .000000     .000000     .000000
1.00000  -14720.833     .000000     .000000     .000000     .000000     .000000

ELEM     396 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   14482.833     .000000     .000000     .000000     .000000     .000000
0.50000   14477.394     .000000     .000000     .000000     .000000     .000000
1.00000   14471.955     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	-14482.833	.000000	.000000	.000000	.000000	.000000
0.50000	-14477.394	.000000	.000000	.000000	.000000	.000000
1.00000	-14471.955	.000000	.000000	.000000	.000000	.000000

ELEM 397 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	14669.711	.000000	.000000	.000000	.000000	.000000
0.50000	14664.272	.000000	.000000	.000000	.000000	.000000
1.00000	14658.833	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-14669.711	.000000	.000000	.000000	.000000	.000000
0.50000	-14664.272	.000000	.000000	.000000	.000000	.000000
1.00000	-14658.833	.000000	.000000	.000000	.000000	.000000

ELEM 398 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	14420.833	.000000	.000000	.000000	.000000	.000000
0.50000	14415.394	.000000	.000000	.000000	.000000	.000000
1.00000	14409.955	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-14420.833	.000000	.000000	.000000	.000000	.000000
0.50000	-14415.394	.000000	.000000	.000000	.000000	.000000
1.00000	-14409.955	.000000	.000000	.000000	.000000	.000000

ELEM 399 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	14463.711	.000000	.000000	.000000	.000000	.000000
0.50000	14458.272	.000000	.000000	.000000	.000000	.000000
1.00000	14452.833	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-14463.711	.000000	.000000	.000000	.000000	.000000
0.50000	-14458.272	.000000	.000000	.000000	.000000	.000000
1.00000	-14452.833	.000000	.000000	.000000	.000000	.000000

ELEM 400 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	14214.833	.000000	.000000	.000000	.000000	.000000
0.50000	14209.394	.000000	.000000	.000000	.000000	.000000
1.00000	14203.955	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-14214.833	.000000	.000000	.000000	.000000	.000000
0.50000	-14209.394	.000000	.000000	.000000	.000000	.000000
1.00000	-14203.955	.000000	.000000	.000000	.000000	.000000

ELEM 401 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	14123.711	.000000	.000000	.000000	.000000	.000000
0.50000	14118.272	.000000	.000000	.000000	.000000	.000000
1.00000	14112.833	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-14123.711	.000000	.000000	.000000	.000000	.000000
0.50000	-14118.272	.000000	.000000	.000000	.000000	.000000
1.00000	-14112.833	.000000	.000000	.000000	.000000	.000000

ELEM 402 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	13874.833	.000000	.000000	.000000	.000000	.000000
0.50000	13869.394	.000000	.000000	.000000	.000000	.000000
1.00000	13863.955	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-13874.833	.000000	.000000	.000000	.000000	.000000
0.50000	-13869.394	.000000	.000000	.000000	.000000	.000000
1.00000	-13863.955	.000000	.000000	.000000	.000000	.000000

ELEM 403 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	13652.711	.000000	.000000	.000000	.000000	.000000
0.50000	13647.272	.000000	.000000	.000000	.000000	.000000
1.00000	13641.833	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-13652.711	.000000	.000000	.000000	.000000	.000000
0.50000	-13647.272	.000000	.000000	.000000	.000000	.000000
1.00000	-13641.833	.000000	.000000	.000000	.000000	.000000

ELEM 404 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	13403.833	.000000	.000000	.000000	.000000	.000000
0.50000	13398.394	.000000	.000000	.000000	.000000	.000000
1.00000	13392.955	.000000	.000000	.000000	.000000	.000000

```
COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13403.833     .000000     .000000     .000000     .000000     .000000
0.50000  -13398.394     .000000     .000000     .000000     .000000     .000000
1.00000  -13392.955     .000000     .000000     .000000     .000000     .000000

ELEM     405 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   15295.711     .000000     .000000     .000000     .000000     .000000
0.50000   15290.272     .000000     .000000     .000000     .000000     .000000
1.00000   15284.833     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -15295.711     .000000     .000000     .000000     .000000     .000000
0.50000  -15290.272     .000000     .000000     .000000     .000000     .000000
1.00000  -15284.833     .000000     .000000     .000000     .000000     .000000

ELEM     406 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   15046.833     .000000     .000000     .000000     .000000     .000000
0.50000   15041.394     .000000     .000000     .000000     .000000     .000000
1.00000   15035.955     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -15046.833     .000000     .000000     .000000     .000000     .000000
0.50000  -15041.394     .000000     .000000     .000000     .000000     .000000
1.00000  -15035.955     .000000     .000000     .000000     .000000     .000000

ELEM     407 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   13652.711     .000000     .000000     .000000     .000000     .000000
0.50000   13647.272     .000000     .000000     .000000     .000000     .000000
1.00000   13641.833     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13652.711     .000000     .000000     .000000     .000000     .000000
0.50000  -13647.272     .000000     .000000     .000000     .000000     .000000
1.00000  -13641.833     .000000     .000000     .000000     .000000     .000000

ELEM     408 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   13403.833     .000000     .000000     .000000     .000000     .000000
0.50000   13398.394     .000000     .000000     .000000     .000000     .000000
```

```
1.00000   13392.955     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13403.833     .000000     .000000     .000000     .000000     .000000
0.50000  -13398.394     .000000     .000000     .000000     .000000     .000000
1.00000  -13392.955     .000000     .000000     .000000     .000000     .000000

ELEM     409 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   13652.711     .000000     .000000     .000000     .000000     .000000
0.50000   13647.272     .000000     .000000     .000000     .000000     .000000
1.00000   13641.833     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13652.711     .000000     .000000     .000000     .000000     .000000
0.50000  -13647.272     .000000     .000000     .000000     .000000     .000000
1.00000  -13641.833     .000000     .000000     .000000     .000000     .000000

ELEM     410 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   13403.833     .000000     .000000     .000000     .000000     .000000
0.50000   13398.394     .000000     .000000     .000000     .000000     .000000
1.00000   13392.955     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13403.833     .000000     .000000     .000000     .000000     .000000
0.50000  -13398.394     .000000     .000000     .000000     .000000     .000000
1.00000  -13392.955     .000000     .000000     .000000     .000000     .000000

ELEM     411 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   14073.711     .000000     .000000     .000000     .000000     .000000
0.50000   14068.272     .000000     .000000     .000000     .000000     .000000
1.00000   14062.833     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -14073.711     .000000     .000000     .000000     .000000     .000000
0.50000  -14068.272     .000000     .000000     .000000     .000000     .000000
1.00000  -14062.833     .000000     .000000     .000000     .000000     .000000

ELEM     412 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   13824.833     .000000     .000000     .000000     .000000     .000000
```

```
0.50000   13819.394     .000000     .000000     .000000     .000000     .000000
1.00000   13813.955     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13824.833     .000000     .000000     .000000     .000000     .000000
0.50000  -13819.394     .000000     .000000     .000000     .000000     .000000
1.00000  -13813.955     .000000     .000000     .000000     .000000     .000000

ELEM     413 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   14073.711     .000000     .000000     .000000     .000000     .000000
0.50000   14068.272     .000000     .000000     .000000     .000000     .000000
1.00000   14062.833     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -14073.711     .000000     .000000     .000000     .000000     .000000
0.50000  -14068.272     .000000     .000000     .000000     .000000     .000000
1.00000  -14062.833     .000000     .000000     .000000     .000000     .000000

ELEM     414 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   13824.833     .000000     .000000     .000000     .000000     .000000
0.50000   13819.394     .000000     .000000     .000000     .000000     .000000
1.00000   13813.955     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13824.833     .000000     .000000     .000000     .000000     .000000
0.50000  -13819.394     .000000     .000000     .000000     .000000     .000000
1.00000  -13813.955     .000000     .000000     .000000     .000000     .000000

ELEM     415 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   13652.711     .000000     .000000     .000000     .000000     .000000
0.50000   13647.272     .000000     .000000     .000000     .000000     .000000
1.00000   13641.833     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13652.711     .000000     .000000     .000000     .000000     .000000
0.50000  -13647.272     .000000     .000000     .000000     .000000     .000000
1.00000  -13641.833     .000000     .000000     .000000     .000000     .000000

ELEM     416 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000   13403.833     .000000     .000000     .000000     .000000     .000000
0.50000   13398.394     .000000     .000000     .000000     .000000     .000000
1.00000   13392.955     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13403.833     .000000     .000000     .000000     .000000     .000000
0.50000  -13398.394     .000000     .000000     .000000     .000000     .000000
1.00000  -13392.955     .000000     .000000     .000000     .000000     .000000

ELEM     417 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   13652.711     .000000     .000000     .000000     .000000     .000000
0.50000   13647.272     .000000     .000000     .000000     .000000     .000000
1.00000   13641.833     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13652.711     .000000     .000000     .000000     .000000     .000000
0.50000  -13647.272     .000000     .000000     .000000     .000000     .000000
1.00000  -13641.833     .000000     .000000     .000000     .000000     .000000

ELEM     418 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   13403.833     .000000     .000000     .000000     .000000     .000000
0.50000   13398.394     .000000     .000000     .000000     .000000     .000000
1.00000   13392.955     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13403.833     .000000     .000000     .000000     .000000     .000000
0.50000  -13398.394     .000000     .000000     .000000     .000000     .000000
1.00000  -13392.955     .000000     .000000     .000000     .000000     .000000

ELEM     419 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   15248.525     .000000     .000000     .000000     .000000     .000000
0.50000   15243.086     .000000     .000000     .000000     .000000     .000000
1.00000   15237.647     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -15248.525     .000000     .000000     .000000     .000000     .000000
0.50000  -15243.086     .000000     .000000     .000000     .000000     .000000
1.00000  -15237.647     .000000     .000000     .000000     .000000     .000000

ELEM     420 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000   14999.647     .000000     .000000     .000000     .000000     .000000
0.50000   14994.208     .000000     .000000     .000000     .000000     .000000
1.00000   14988.769     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -14999.647     .000000     .000000     .000000     .000000     .000000
0.50000  -14994.208     .000000     .000000     .000000     .000000     .000000
1.00000  -14988.769     .000000     .000000     .000000     .000000     .000000

ELEM     437 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7451.027     .000000     .000000     .000000     .000000     .000000
0.50000    7448.307     .000000     .000000     .000000     .000000     .000000
1.00000    7445.588     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7451.027     .000000     .000000     .000000     .000000     .000000
0.50000   -7448.307     .000000     .000000     .000000     .000000     .000000
1.00000   -7445.588     .000000     .000000     .000000     .000000     .000000

ELEM     438 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7008.588     .000000     .000000     .000000     .000000     .000000
0.50000    7005.868     .000000     .000000     .000000     .000000     .000000
1.00000    7003.149     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7008.588     .000000     .000000     .000000     .000000     .000000
0.50000   -7005.868     .000000     .000000     .000000     .000000     .000000
1.00000   -7003.149     .000000     .000000     .000000     .000000     .000000

ELEM     439 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9428.227     .000000     .000000     .000000     .000000     .000000
0.50000    9425.508     .000000     .000000     .000000     .000000     .000000
1.00000    9422.788     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9428.227     .000000     .000000     .000000     .000000     .000000
0.50000   -9425.508     .000000     .000000     .000000     .000000     .000000
1.00000   -9422.788     .000000     .000000     .000000     .000000     .000000

ELEM     440 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	9027.788	.000000	.000000	.000000	.000000	.000000
0.50000	9025.069	.000000	.000000	.000000	.000000	.000000
1.00000	9022.349	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9027.788	.000000	.000000	.000000	.000000	.000000
0.50000	-9025.069	.000000	.000000	.000000	.000000	.000000
1.00000	-9022.349	.000000	.000000	.000000	.000000	.000000

ELEM 441 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	10507.227	.000000	.000000	.000000	.000000	.000000
0.50000	10504.508	.000000	.000000	.000000	.000000	.000000
1.00000	10501.788	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-10507.227	.000000	.000000	.000000	.000000	.000000
0.50000	-10504.508	.000000	.000000	.000000	.000000	.000000
1.00000	-10501.788	.000000	.000000	.000000	.000000	.000000

ELEM 442 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	10106.788	.000000	.000000	.000000	.000000	.000000
0.50000	10104.069	.000000	.000000	.000000	.000000	.000000
1.00000	10101.349	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-10106.788	.000000	.000000	.000000	.000000	.000000
0.50000	-10104.069	.000000	.000000	.000000	.000000	.000000
1.00000	-10101.349	.000000	.000000	.000000	.000000	.000000

ELEM 443 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	10445.227	.000000	.000000	.000000	.000000	.000000
0.50000	10442.508	.000000	.000000	.000000	.000000	.000000
1.00000	10439.788	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-10445.227	.000000	.000000	.000000	.000000	.000000
0.50000	-10442.508	.000000	.000000	.000000	.000000	.000000
1.00000	-10439.788	.000000	.000000	.000000	.000000	.000000

ELEM 444 ========== LENGTH = 24.000000

```
COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   10044.788     .000000     .000000     .000000     .000000     .000000
0.50000   10042.069     .000000     .000000     .000000     .000000     .000000
1.00000   10039.349     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -10044.788     .000000     .000000     .000000     .000000     .000000
0.50000  -10042.069     .000000     .000000     .000000     .000000     .000000
1.00000  -10039.349     .000000     .000000     .000000     .000000     .000000

ELEM     445 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   10239.227     .000000     .000000     .000000     .000000     .000000
0.50000   10236.508     .000000     .000000     .000000     .000000     .000000
1.00000   10233.788     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -10239.227     .000000     .000000     .000000     .000000     .000000
0.50000  -10236.508     .000000     .000000     .000000     .000000     .000000
1.00000  -10233.788     .000000     .000000     .000000     .000000     .000000

ELEM     446 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9838.788     .000000     .000000     .000000     .000000     .000000
0.50000    9836.069     .000000     .000000     .000000     .000000     .000000
1.00000    9833.349     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9838.788     .000000     .000000     .000000     .000000     .000000
0.50000   -9836.069     .000000     .000000     .000000     .000000     .000000
1.00000   -9833.349     .000000     .000000     .000000     .000000     .000000

ELEM     447 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9899.227     .000000     .000000     .000000     .000000     .000000
0.50000    9896.508     .000000     .000000     .000000     .000000     .000000
1.00000    9893.788     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9899.227     .000000     .000000     .000000     .000000     .000000
0.50000   -9896.508     .000000     .000000     .000000     .000000     .000000
1.00000   -9893.788     .000000     .000000     .000000     .000000     .000000

ELEM     448 ================== LENGTH =   24.000000
```

```
COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9498.788     .000000     .000000     .000000     .000000     .000000
0.50000    9496.069     .000000     .000000     .000000     .000000     .000000
1.00000    9493.349     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9498.788     .000000     .000000     .000000     .000000     .000000
0.50000   -9496.069     .000000     .000000     .000000     .000000     .000000
1.00000   -9493.349     .000000     .000000     .000000     .000000     .000000

ELEM     449 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9428.227     .000000     .000000     .000000     .000000     .000000
0.50000    9425.508     .000000     .000000     .000000     .000000     .000000
1.00000    9422.788     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9428.227     .000000     .000000     .000000     .000000     .000000
0.50000   -9425.508     .000000     .000000     .000000     .000000     .000000
1.00000   -9422.788     .000000     .000000     .000000     .000000     .000000

ELEM     450 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9027.788     .000000     .000000     .000000     .000000     .000000
0.50000    9025.069     .000000     .000000     .000000     .000000     .000000
1.00000    9022.349     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9027.788     .000000     .000000     .000000     .000000     .000000
0.50000   -9025.069     .000000     .000000     .000000     .000000     .000000
1.00000   -9022.349     .000000     .000000     .000000     .000000     .000000

ELEM     451 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   10787.227     .000000     .000000     .000000     .000000     .000000
0.50000   10784.508     .000000     .000000     .000000     .000000     .000000
1.00000   10781.788     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -10787.227     .000000     .000000     .000000     .000000     .000000
0.50000  -10784.508     .000000     .000000     .000000     .000000     .000000
1.00000  -10781.788     .000000     .000000     .000000     .000000     .000000
```

ELEM 452 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	10386.788	.000000	.000000	.000000	.000000	.000000
0.50000	10384.069	.000000	.000000	.000000	.000000	.000000
1.00000	10381.349	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-10386.788	.000000	.000000	.000000	.000000	.000000
0.50000	-10384.069	.000000	.000000	.000000	.000000	.000000
1.00000	-10381.349	.000000	.000000	.000000	.000000	.000000

ELEM 453 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9428.227	.000000	.000000	.000000	.000000	.000000
0.50000	9425.508	.000000	.000000	.000000	.000000	.000000
1.00000	9422.788	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9428.227	.000000	.000000	.000000	.000000	.000000
0.50000	-9425.508	.000000	.000000	.000000	.000000	.000000
1.00000	-9422.788	.000000	.000000	.000000	.000000	.000000

ELEM 454 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9027.788	.000000	.000000	.000000	.000000	.000000
0.50000	9025.069	.000000	.000000	.000000	.000000	.000000
1.00000	9022.349	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9027.788	.000000	.000000	.000000	.000000	.000000
0.50000	-9025.069	.000000	.000000	.000000	.000000	.000000
1.00000	-9022.349	.000000	.000000	.000000	.000000	.000000

ELEM 455 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9428.227	.000000	.000000	.000000	.000000	.000000
0.50000	9425.508	.000000	.000000	.000000	.000000	.000000
1.00000	9422.788	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9428.227	.000000	.000000	.000000	.000000	.000000
0.50000	-9425.508	.000000	.000000	.000000	.000000	.000000
1.00000	-9422.788	.000000	.000000	.000000	.000000	.000000

ELEM 456 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9027.788	.000000	.000000	.000000	.000000	.000000
0.50000	9025.069	.000000	.000000	.000000	.000000	.000000
1.00000	9022.349	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9027.788	.000000	.000000	.000000	.000000	.000000
0.50000	-9025.069	.000000	.000000	.000000	.000000	.000000
1.00000	-9022.349	.000000	.000000	.000000	.000000	.000000

ELEM 457 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9849.227	.000000	.000000	.000000	.000000	.000000
0.50000	9846.508	.000000	.000000	.000000	.000000	.000000
1.00000	9843.788	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9849.227	.000000	.000000	.000000	.000000	.000000
0.50000	-9846.508	.000000	.000000	.000000	.000000	.000000
1.00000	-9843.788	.000000	.000000	.000000	.000000	.000000

ELEM 458 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9448.788	.000000	.000000	.000000	.000000	.000000
0.50000	9446.069	.000000	.000000	.000000	.000000	.000000
1.00000	9443.349	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9448.788	.000000	.000000	.000000	.000000	.000000
0.50000	-9446.069	.000000	.000000	.000000	.000000	.000000
1.00000	-9443.349	.000000	.000000	.000000	.000000	.000000

ELEM 459 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9849.227	.000000	.000000	.000000	.000000	.000000
0.50000	9846.508	.000000	.000000	.000000	.000000	.000000
1.00000	9843.788	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9849.227	.000000	.000000	.000000	.000000	.000000
0.50000	-9846.508	.000000	.000000	.000000	.000000	.000000

```
1.00000   -9843.788     .000000     .000000     .000000     .000000     .000000

ELEM     460 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9448.788     .000000     .000000     .000000     .000000     .000000
0.50000    9446.069     .000000     .000000     .000000     .000000     .000000
1.00000    9443.349     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9448.788     .000000     .000000     .000000     .000000     .000000
0.50000   -9446.069     .000000     .000000     .000000     .000000     .000000
1.00000   -9443.349     .000000     .000000     .000000     .000000     .000000

ELEM     461 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9428.227     .000000     .000000     .000000     .000000     .000000
0.50000    9425.508     .000000     .000000     .000000     .000000     .000000
1.00000    9422.788     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9428.227     .000000     .000000     .000000     .000000     .000000
0.50000   -9425.508     .000000     .000000     .000000     .000000     .000000
1.00000   -9422.788     .000000     .000000     .000000     .000000     .000000

ELEM     462 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9027.788     .000000     .000000     .000000     .000000     .000000
0.50000    9025.069     .000000     .000000     .000000     .000000     .000000
1.00000    9022.349     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9027.788     .000000     .000000     .000000     .000000     .000000
0.50000   -9025.069     .000000     .000000     .000000     .000000     .000000
1.00000   -9022.349     .000000     .000000     .000000     .000000     .000000

ELEM     463 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9428.227     .000000     .000000     .000000     .000000     .000000
0.50000    9425.508     .000000     .000000     .000000     .000000     .000000
1.00000    9422.788     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9428.227     .000000     .000000     .000000     .000000     .000000
```

```
0.50000   -9425.508     .000000     .000000     .000000     .000000     .000000
1.00000   -9422.788     .000000     .000000     .000000     .000000     .000000

ELEM     464 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9027.788     .000000     .000000     .000000     .000000     .000000
0.50000    9025.069     .000000     .000000     .000000     .000000     .000000
1.00000    9022.349     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9027.788     .000000     .000000     .000000     .000000     .000000
0.50000   -9025.069     .000000     .000000     .000000     .000000     .000000
1.00000   -9022.349     .000000     .000000     .000000     .000000     .000000

ELEM     465 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   10738.027     .000000     .000000     .000000     .000000     .000000
0.50000   10735.307     .000000     .000000     .000000     .000000     .000000
1.00000   10732.588     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -10738.027     .000000     .000000     .000000     .000000     .000000
0.50000  -10735.307     .000000     .000000     .000000     .000000     .000000
1.00000  -10732.588     .000000     .000000     .000000     .000000     .000000

ELEM     466 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   10337.588     .000000     .000000     .000000     .000000     .000000
0.50000   10334.868     .000000     .000000     .000000     .000000     .000000
1.00000   10332.149     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -10337.588     .000000     .000000     .000000     .000000     .000000
0.50000  -10334.868     .000000     .000000     .000000     .000000     .000000
1.00000  -10332.149     .000000     .000000     .000000     .000000     .000000

ELEM     482 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6522.285     .000000     .000000     .000000     .000000     .000000
0.50000    6519.565     .000000     .000000     .000000     .000000     .000000
1.00000    6516.846     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000   -6522.285     .000000     .000000     .000000     .000000     .000000
0.50000   -6519.565     .000000     .000000     .000000     .000000     .000000
1.00000   -6516.846     .000000     .000000     .000000     .000000     .000000

ELEM     483 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    5993.846     .000000     .000000     .000000     .000000     .000000
0.50000    5991.126     .000000     .000000     .000000     .000000     .000000
1.00000    5988.407     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -5993.846     .000000     .000000     .000000     .000000     .000000
0.50000   -5991.126     .000000     .000000     .000000     .000000     .000000
1.00000   -5988.407     .000000     .000000     .000000     .000000     .000000

ELEM     484 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8954.499     .000000     .000000     .000000     .000000     .000000
0.50000    8951.780     .000000     .000000     .000000     .000000     .000000
1.00000    8949.060     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8954.499     .000000     .000000     .000000     .000000     .000000
0.50000   -8951.780     .000000     .000000     .000000     .000000     .000000
1.00000   -8949.060     .000000     .000000     .000000     .000000     .000000

ELEM     485 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8382.060     .000000     .000000     .000000     .000000     .000000
0.50000    8379.341     .000000     .000000     .000000     .000000     .000000
1.00000    8376.621     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8382.060     .000000     .000000     .000000     .000000     .000000
0.50000   -8379.341     .000000     .000000     .000000     .000000     .000000
1.00000   -8376.621     .000000     .000000     .000000     .000000     .000000

ELEM     486 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   10033.499     .000000     .000000     .000000     .000000     .000000
0.50000   10030.780     .000000     .000000     .000000     .000000     .000000
1.00000   10028.060     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000  -10033.499     .000000     .000000     .000000     .000000     .000000
0.50000  -10030.780     .000000     .000000     .000000     .000000     .000000
1.00000  -10028.060     .000000     .000000     .000000     .000000     .000000

ELEM     487 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9461.060     .000000     .000000     .000000     .000000     .000000
0.50000    9458.341     .000000     .000000     .000000     .000000     .000000
1.00000    9455.621     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9461.060     .000000     .000000     .000000     .000000     .000000
0.50000   -9458.341     .000000     .000000     .000000     .000000     .000000
1.00000   -9455.621     .000000     .000000     .000000     .000000     .000000

ELEM     488 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9971.499     .000000     .000000     .000000     .000000     .000000
0.50000    9968.780     .000000     .000000     .000000     .000000     .000000
1.00000    9966.060     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9971.499     .000000     .000000     .000000     .000000     .000000
0.50000   -9968.780     .000000     .000000     .000000     .000000     .000000
1.00000   -9966.060     .000000     .000000     .000000     .000000     .000000

ELEM     489 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9399.060     .000000     .000000     .000000     .000000     .000000
0.50000    9396.341     .000000     .000000     .000000     .000000     .000000
1.00000    9393.621     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9399.060     .000000     .000000     .000000     .000000     .000000
0.50000   -9396.341     .000000     .000000     .000000     .000000     .000000
1.00000   -9393.621     .000000     .000000     .000000     .000000     .000000

ELEM     490 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9765.499     .000000     .000000     .000000     .000000     .000000
0.50000    9762.780     .000000     .000000     .000000     .000000     .000000
1.00000    9760.060     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9765.499	.000000	.000000	.000000	.000000	.000000
0.50000	-9762.780	.000000	.000000	.000000	.000000	.000000
1.00000	-9760.060	.000000	.000000	.000000	.000000	.000000

ELEM 491 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9193.060	.000000	.000000	.000000	.000000	.000000
0.50000	9190.341	.000000	.000000	.000000	.000000	.000000
1.00000	9187.621	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9193.060	.000000	.000000	.000000	.000000	.000000
0.50000	-9190.341	.000000	.000000	.000000	.000000	.000000
1.00000	-9187.621	.000000	.000000	.000000	.000000	.000000

ELEM 492 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9425.499	.000000	.000000	.000000	.000000	.000000
0.50000	9422.780	.000000	.000000	.000000	.000000	.000000
1.00000	9420.060	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9425.499	.000000	.000000	.000000	.000000	.000000
0.50000	-9422.780	.000000	.000000	.000000	.000000	.000000
1.00000	-9420.060	.000000	.000000	.000000	.000000	.000000

ELEM 493 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8853.060	.000000	.000000	.000000	.000000	.000000
0.50000	8850.341	.000000	.000000	.000000	.000000	.000000
1.00000	8847.621	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8853.060	.000000	.000000	.000000	.000000	.000000
0.50000	-8850.341	.000000	.000000	.000000	.000000	.000000
1.00000	-8847.621	.000000	.000000	.000000	.000000	.000000

ELEM 494 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8954.499	.000000	.000000	.000000	.000000	.000000
0.50000	8951.780	.000000	.000000	.000000	.000000	.000000
1.00000	8949.060	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8954.499	.000000	.000000	.000000	.000000	.000000
0.50000	-8951.780	.000000	.000000	.000000	.000000	.000000
1.00000	-8949.060	.000000	.000000	.000000	.000000	.000000

ELEM 495 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8382.060	.000000	.000000	.000000	.000000	.000000
0.50000	8379.341	.000000	.000000	.000000	.000000	.000000
1.00000	8376.621	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8382.060	.000000	.000000	.000000	.000000	.000000
0.50000	-8379.341	.000000	.000000	.000000	.000000	.000000
1.00000	-8376.621	.000000	.000000	.000000	.000000	.000000

ELEM 496 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9872.499	.000000	.000000	.000000	.000000	.000000
0.50000	9869.780	.000000	.000000	.000000	.000000	.000000
1.00000	9867.060	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9872.499	.000000	.000000	.000000	.000000	.000000
0.50000	-9869.780	.000000	.000000	.000000	.000000	.000000
1.00000	-9867.060	.000000	.000000	.000000	.000000	.000000

ELEM 497 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9300.060	.000000	.000000	.000000	.000000	.000000
0.50000	9297.341	.000000	.000000	.000000	.000000	.000000
1.00000	9294.621	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9300.060	.000000	.000000	.000000	.000000	.000000
0.50000	-9297.341	.000000	.000000	.000000	.000000	.000000
1.00000	-9294.621	.000000	.000000	.000000	.000000	.000000

ELEM 498 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8954.499	.000000	.000000	.000000	.000000	.000000
0.50000	8951.780	.000000	.000000	.000000	.000000	.000000
1.00000	8949.060	.000000	.000000	.000000	.000000	.000000

```
COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8954.499     .000000     .000000     .000000     .000000     .000000
0.50000   -8951.780     .000000     .000000     .000000     .000000     .000000
1.00000   -8949.060     .000000     .000000     .000000     .000000     .000000

ELEM     499 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8382.060     .000000     .000000     .000000     .000000     .000000
0.50000    8379.341     .000000     .000000     .000000     .000000     .000000
1.00000    8376.621     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8382.060     .000000     .000000     .000000     .000000     .000000
0.50000   -8379.341     .000000     .000000     .000000     .000000     .000000
1.00000   -8376.621     .000000     .000000     .000000     .000000     .000000

ELEM     500 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8954.499     .000000     .000000     .000000     .000000     .000000
0.50000    8951.780     .000000     .000000     .000000     .000000     .000000
1.00000    8949.060     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8954.499     .000000     .000000     .000000     .000000     .000000
0.50000   -8951.780     .000000     .000000     .000000     .000000     .000000
1.00000   -8949.060     .000000     .000000     .000000     .000000     .000000

ELEM     501 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8382.060     .000000     .000000     .000000     .000000     .000000
0.50000    8379.341     .000000     .000000     .000000     .000000     .000000
1.00000    8376.621     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8382.060     .000000     .000000     .000000     .000000     .000000
0.50000   -8379.341     .000000     .000000     .000000     .000000     .000000
1.00000   -8376.621     .000000     .000000     .000000     .000000     .000000

ELEM     502 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9375.499     .000000     .000000     .000000     .000000     .000000
0.50000    9372.780     .000000     .000000     .000000     .000000     .000000
```

```
1.00000    9370.060     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9375.499     .000000     .000000     .000000     .000000     .000000
0.50000   -9372.780     .000000     .000000     .000000     .000000     .000000
1.00000   -9370.060     .000000     .000000     .000000     .000000     .000000

ELEM     503 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8803.060     .000000     .000000     .000000     .000000     .000000
0.50000    8800.341     .000000     .000000     .000000     .000000     .000000
1.00000    8797.621     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8803.060     .000000     .000000     .000000     .000000     .000000
0.50000   -8800.341     .000000     .000000     .000000     .000000     .000000
1.00000   -8797.621     .000000     .000000     .000000     .000000     .000000

ELEM     504 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9375.499     .000000     .000000     .000000     .000000     .000000
0.50000    9372.780     .000000     .000000     .000000     .000000     .000000
1.00000    9370.060     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9375.499     .000000     .000000     .000000     .000000     .000000
0.50000   -9372.780     .000000     .000000     .000000     .000000     .000000
1.00000   -9370.060     .000000     .000000     .000000     .000000     .000000

ELEM     505 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8803.060     .000000     .000000     .000000     .000000     .000000
0.50000    8800.341     .000000     .000000     .000000     .000000     .000000
1.00000    8797.621     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8803.060     .000000     .000000     .000000     .000000     .000000
0.50000   -8800.341     .000000     .000000     .000000     .000000     .000000
1.00000   -8797.621     .000000     .000000     .000000     .000000     .000000

ELEM     506 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8954.499     .000000     .000000     .000000     .000000     .000000
```

```
0.50000    8951.780     .000000     .000000     .000000     .000000     .000000
1.00000    8949.060     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8954.499     .000000     .000000     .000000     .000000     .000000
0.50000   -8951.780     .000000     .000000     .000000     .000000     .000000
1.00000   -8949.060     .000000     .000000     .000000     .000000     .000000

ELEM     507 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8382.060     .000000     .000000     .000000     .000000     .000000
0.50000    8379.341     .000000     .000000     .000000     .000000     .000000
1.00000    8376.621     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8382.060     .000000     .000000     .000000     .000000     .000000
0.50000   -8379.341     .000000     .000000     .000000     .000000     .000000
1.00000   -8376.621     .000000     .000000     .000000     .000000     .000000

ELEM     508 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8954.499     .000000     .000000     .000000     .000000     .000000
0.50000    8951.780     .000000     .000000     .000000     .000000     .000000
1.00000    8949.060     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8954.499     .000000     .000000     .000000     .000000     .000000
0.50000   -8951.780     .000000     .000000     .000000     .000000     .000000
1.00000   -8949.060     .000000     .000000     .000000     .000000     .000000

ELEM     509 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8382.060     .000000     .000000     .000000     .000000     .000000
0.50000    8379.341     .000000     .000000     .000000     .000000     .000000
1.00000    8376.621     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8382.060     .000000     .000000     .000000     .000000     .000000
0.50000   -8379.341     .000000     .000000     .000000     .000000     .000000
1.00000   -8376.621     .000000     .000000     .000000     .000000     .000000

ELEM     510 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000    9837.285     .000000     .000000     .000000     .000000     .000000
0.50000    9834.565     .000000     .000000     .000000     .000000     .000000
1.00000    9831.846     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9837.285     .000000     .000000     .000000     .000000     .000000
0.50000   -9834.565     .000000     .000000     .000000     .000000     .000000
1.00000   -9831.846     .000000     .000000     .000000     .000000     .000000

ELEM     511 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9264.846     .000000     .000000     .000000     .000000     .000000
0.50000    9262.126     .000000     .000000     .000000     .000000     .000000
1.00000    9259.407     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9264.846     .000000     .000000     .000000     .000000     .000000
0.50000   -9262.126     .000000     .000000     .000000     .000000     .000000
1.00000   -9259.407     .000000     .000000     .000000     .000000     .000000

ELEM     527 ================== LENGTH =   10.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    5020.672     .000000     .000000     .000000     .000000     .000000
0.50000    5019.489     .000000     .000000     .000000     .000000     .000000
1.00000    5018.306     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -5020.672     .000000     .000000     .000000     .000000     .000000
0.50000   -5019.489     .000000     .000000     .000000     .000000     .000000
1.00000   -5018.306     .000000     .000000     .000000     .000000     .000000

ELEM     528 ================== LENGTH =    4.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    4488.306     .000000     .000000     .000000     .000000     .000000
0.50000    4487.789     .000000     .000000     .000000     .000000     .000000
1.00000    4487.272     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -4488.306     .000000     .000000     .000000     .000000     .000000
0.50000   -4487.789     .000000     .000000     .000000     .000000     .000000
1.00000   -4487.272     .000000     .000000     .000000     .000000     .000000

ELEM     529 ================== LENGTH =   10.437500

COMBDEADLOAD ------------------ MAX
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    8220.907     .000000     .000000     .000000     .000000     .000000
0.50000    8219.725     .000000     .000000     .000000     .000000     .000000
1.00000    8218.542     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8220.907     .000000     .000000     .000000     .000000     .000000
0.50000   -8219.725     .000000     .000000     .000000     .000000     .000000
1.00000   -8218.542     .000000     .000000     .000000     .000000     .000000

ELEM     530 ================== LENGTH =    4.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7773.542     .000000     .000000     .000000     .000000     .000000
0.50000    7773.025     .000000     .000000     .000000     .000000     .000000
1.00000    7772.508     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7773.542     .000000     .000000     .000000     .000000     .000000
0.50000   -7773.025     .000000     .000000     .000000     .000000     .000000
1.00000   -7772.508     .000000     .000000     .000000     .000000     .000000

ELEM     531 ================== LENGTH =   10.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9299.907     .000000     .000000     .000000     .000000     .000000
0.50000    9298.725     .000000     .000000     .000000     .000000     .000000
1.00000    9297.542     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9299.907     .000000     .000000     .000000     .000000     .000000
0.50000   -9298.725     .000000     .000000     .000000     .000000     .000000
1.00000   -9297.542     .000000     .000000     .000000     .000000     .000000

ELEM     532 ================== LENGTH =    4.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8852.542     .000000     .000000     .000000     .000000     .000000
0.50000    8852.025     .000000     .000000     .000000     .000000     .000000
1.00000    8851.508     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8852.542     .000000     .000000     .000000     .000000     .000000
0.50000   -8852.025     .000000     .000000     .000000     .000000     .000000
1.00000   -8851.508     .000000     .000000     .000000     .000000     .000000

ELEM     533 ================== LENGTH =   10.437500

COMBDEADLOAD ------------------ MAX
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	9237.907	.000000	.000000	.000000	.000000	.000000
0.50000	9236.725	.000000	.000000	.000000	.000000	.000000
1.00000	9235.542	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9237.907	.000000	.000000	.000000	.000000	.000000
0.50000	-9236.725	.000000	.000000	.000000	.000000	.000000
1.00000	-9235.542	.000000	.000000	.000000	.000000	.000000

ELEM 534 ========== LENGTH = 4.562500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8790.542	.000000	.000000	.000000	.000000	.000000
0.50000	8790.025	.000000	.000000	.000000	.000000	.000000
1.00000	8789.508	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8790.542	.000000	.000000	.000000	.000000	.000000
0.50000	-8790.025	.000000	.000000	.000000	.000000	.000000
1.00000	-8789.508	.000000	.000000	.000000	.000000	.000000

ELEM 535 ========== LENGTH = 10.437500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9031.907	.000000	.000000	.000000	.000000	.000000
0.50000	9030.725	.000000	.000000	.000000	.000000	.000000
1.00000	9029.542	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9031.907	.000000	.000000	.000000	.000000	.000000
0.50000	-9030.725	.000000	.000000	.000000	.000000	.000000
1.00000	-9029.542	.000000	.000000	.000000	.000000	.000000

ELEM 536 ========== LENGTH = 4.562500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8584.542	.000000	.000000	.000000	.000000	.000000
0.50000	8584.025	.000000	.000000	.000000	.000000	.000000
1.00000	8583.508	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8584.542	.000000	.000000	.000000	.000000	.000000
0.50000	-8584.025	.000000	.000000	.000000	.000000	.000000
1.00000	-8583.508	.000000	.000000	.000000	.000000	.000000

ELEM 537 ========== LENGTH = 10.437500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8691.907	.000000	.000000	.000000	.000000	.000000
0.50000	8690.725	.000000	.000000	.000000	.000000	.000000
1.00000	8689.542	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8691.907	.000000	.000000	.000000	.000000	.000000
0.50000	-8690.725	.000000	.000000	.000000	.000000	.000000
1.00000	-8689.542	.000000	.000000	.000000	.000000	.000000

ELEM 538 ========== LENGTH = 4.562500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8244.542	.000000	.000000	.000000	.000000	.000000
0.50000	8244.025	.000000	.000000	.000000	.000000	.000000
1.00000	8243.508	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8244.542	.000000	.000000	.000000	.000000	.000000
0.50000	-8244.025	.000000	.000000	.000000	.000000	.000000
1.00000	-8243.508	.000000	.000000	.000000	.000000	.000000

ELEM 539 ========== LENGTH = 10.437500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8220.907	.000000	.000000	.000000	.000000	.000000
0.50000	8219.725	.000000	.000000	.000000	.000000	.000000
1.00000	8218.542	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8220.907	.000000	.000000	.000000	.000000	.000000
0.50000	-8219.725	.000000	.000000	.000000	.000000	.000000
1.00000	-8218.542	.000000	.000000	.000000	.000000	.000000

ELEM 540 ========== LENGTH = 4.562500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7773.542	.000000	.000000	.000000	.000000	.000000
0.50000	7773.025	.000000	.000000	.000000	.000000	.000000
1.00000	7772.508	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7773.542	.000000	.000000	.000000	.000000	.000000
0.50000	-7773.025	.000000	.000000	.000000	.000000	.000000
1.00000	-7772.508	.000000	.000000	.000000	.000000	.000000

ELEM 541 ========== LENGTH = 10.437500

```
COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8220.907     .000000     .000000     .000000     .000000     .000000
0.50000    8219.725     .000000     .000000     .000000     .000000     .000000
1.00000    8218.542     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8220.907     .000000     .000000     .000000     .000000     .000000
0.50000   -8219.725     .000000     .000000     .000000     .000000     .000000
1.00000   -8218.542     .000000     .000000     .000000     .000000     .000000

ELEM     542 ================== LENGTH =    4.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7773.542     .000000     .000000     .000000     .000000     .000000
0.50000    7773.025     .000000     .000000     .000000     .000000     .000000
1.00000    7772.508     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7773.542     .000000     .000000     .000000     .000000     .000000
0.50000   -7773.025     .000000     .000000     .000000     .000000     .000000
1.00000   -7772.508     .000000     .000000     .000000     .000000     .000000

ELEM     543 ================== LENGTH =   10.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8220.907     .000000     .000000     .000000     .000000     .000000
0.50000    8219.725     .000000     .000000     .000000     .000000     .000000
1.00000    8218.542     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8220.907     .000000     .000000     .000000     .000000     .000000
0.50000   -8219.725     .000000     .000000     .000000     .000000     .000000
1.00000   -8218.542     .000000     .000000     .000000     .000000     .000000

ELEM     544 ================== LENGTH =    4.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7773.542     .000000     .000000     .000000     .000000     .000000
0.50000    7773.025     .000000     .000000     .000000     .000000     .000000
1.00000    7772.508     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7773.542     .000000     .000000     .000000     .000000     .000000
0.50000   -7773.025     .000000     .000000     .000000     .000000     .000000
1.00000   -7772.508     .000000     .000000     .000000     .000000     .000000
```

ELEM 545 ========== LENGTH = 10.437500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8220.907	.000000	.000000	.000000	.000000	.000000
0.50000	8219.725	.000000	.000000	.000000	.000000	.000000
1.00000	8218.542	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8220.907	.000000	.000000	.000000	.000000	.000000
0.50000	-8219.725	.000000	.000000	.000000	.000000	.000000
1.00000	-8218.542	.000000	.000000	.000000	.000000	.000000

ELEM 546 ========== LENGTH = 4.562500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7773.542	.000000	.000000	.000000	.000000	.000000
0.50000	7773.025	.000000	.000000	.000000	.000000	.000000
1.00000	7772.508	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7773.542	.000000	.000000	.000000	.000000	.000000
0.50000	-7773.025	.000000	.000000	.000000	.000000	.000000
1.00000	-7772.508	.000000	.000000	.000000	.000000	.000000

ELEM 547 ========== LENGTH = 10.437500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8641.907	.000000	.000000	.000000	.000000	.000000
0.50000	8640.725	.000000	.000000	.000000	.000000	.000000
1.00000	8639.542	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8641.907	.000000	.000000	.000000	.000000	.000000
0.50000	-8640.725	.000000	.000000	.000000	.000000	.000000
1.00000	-8639.542	.000000	.000000	.000000	.000000	.000000

ELEM 548 ========== LENGTH = 4.562500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8194.542	.000000	.000000	.000000	.000000	.000000
0.50000	8194.025	.000000	.000000	.000000	.000000	.000000
1.00000	8193.508	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8194.542	.000000	.000000	.000000	.000000	.000000
0.50000	-8194.025	.000000	.000000	.000000	.000000	.000000
1.00000	-8193.508	.000000	.000000	.000000	.000000	.000000

ELEM 549 ========== LENGTH = 10.437500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8641.907	.000000	.000000	.000000	.000000	.000000
0.50000	8640.725	.000000	.000000	.000000	.000000	.000000
1.00000	8639.542	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8641.907	.000000	.000000	.000000	.000000	.000000
0.50000	-8640.725	.000000	.000000	.000000	.000000	.000000
1.00000	-8639.542	.000000	.000000	.000000	.000000	.000000

ELEM 550 ========== LENGTH = 4.562500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8194.542	.000000	.000000	.000000	.000000	.000000
0.50000	8194.025	.000000	.000000	.000000	.000000	.000000
1.00000	8193.508	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8194.542	.000000	.000000	.000000	.000000	.000000
0.50000	-8194.025	.000000	.000000	.000000	.000000	.000000
1.00000	-8193.508	.000000	.000000	.000000	.000000	.000000

ELEM 551 ========== LENGTH = 10.437500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8220.907	.000000	.000000	.000000	.000000	.000000
0.50000	8219.725	.000000	.000000	.000000	.000000	.000000
1.00000	8218.542	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8220.907	.000000	.000000	.000000	.000000	.000000
0.50000	-8219.725	.000000	.000000	.000000	.000000	.000000
1.00000	-8218.542	.000000	.000000	.000000	.000000	.000000

ELEM 552 ========== LENGTH = 4.562500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7773.542	.000000	.000000	.000000	.000000	.000000
0.50000	7773.025	.000000	.000000	.000000	.000000	.000000
1.00000	7772.508	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7773.542	.000000	.000000	.000000	.000000	.000000
0.50000	-7773.025	.000000	.000000	.000000	.000000	.000000

```
1.00000   -7772.508     .000000     .000000     .000000     .000000     .000000

ELEM     553 ================== LENGTH =   10.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8220.907     .000000     .000000     .000000     .000000     .000000
0.50000    8219.725     .000000     .000000     .000000     .000000     .000000
1.00000    8218.542     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8220.907     .000000     .000000     .000000     .000000     .000000
0.50000   -8219.725     .000000     .000000     .000000     .000000     .000000
1.00000   -8218.542     .000000     .000000     .000000     .000000     .000000

ELEM     554 ================== LENGTH =    4.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7773.542     .000000     .000000     .000000     .000000     .000000
0.50000    7773.025     .000000     .000000     .000000     .000000     .000000
1.00000    7772.508     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7773.542     .000000     .000000     .000000     .000000     .000000
0.50000   -7773.025     .000000     .000000     .000000     .000000     .000000
1.00000   -7772.508     .000000     .000000     .000000     .000000     .000000

ELEM     555 ================== LENGTH =   10.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8206.672     .000000     .000000     .000000     .000000     .000000
0.50000    8205.489     .000000     .000000     .000000     .000000     .000000
1.00000    8204.306     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8206.672     .000000     .000000     .000000     .000000     .000000
0.50000   -8205.489     .000000     .000000     .000000     .000000     .000000
1.00000   -8204.306     .000000     .000000     .000000     .000000     .000000

ELEM     556 ================== LENGTH =    4.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7759.306     .000000     .000000     .000000     .000000     .000000
0.50000    7758.789     .000000     .000000     .000000     .000000     .000000
1.00000    7758.272     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7759.306     .000000     .000000     .000000     .000000     .000000
```

0.50000	-7758.789	.000000	.000000	.000000	.000000	.000000
1.00000	-7758.272	.000000	.000000	.000000	.000000	.000000

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                    S A P 2 0 0 0

                Structural Analysis Programs

                       Version 7.40

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                                      PROGRAM:SAP2000/FILE:\BentCSeismic.EKO


 S Y S T E M   D A T A


 STEADY STATE LOAD FREQUENCY  - - - - - - - -  0.0000E+00

 LENGTH UNITS - - - - - - - - - - - - - - - -          IN
 FORCE  UNITS - - - - - - - - - - - - - - - -          LB

 UP DIRECTION - - - - - - - - - - - - - - - -          +Z

 GLOBAL DEGREES OF FREEDOM  - - - - - - - - -          UX
                            - - - - - - - - -          UZ
                            - - - - - - - - -          RY

 PAGINATION BY  - - - - - - - - - - - - - - -    SECTIONS
 NUMBER OF LINES PER PAGE - - - - - - - - - -          59
 INCLUDE WARNING MESSAGES IN OUTPUT FILE  - -           Y
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G E N E R A T E D J O I N T C O O R D I N A T E S

JOINT	X	Y	Z
1	252.000	120.000	459.000
2	756.000	120.000	459.000
D1	0.000	120.000	144.000
D2	72.000	120.000	144.000
D3	144.000	120.000	144.000
D4	216.000	120.000	144.000
D5	288.000	120.000	144.000
D6	360.000	120.000	144.000
D7	432.000	120.000	144.000
D8	504.000	120.000	144.000
D9	576.000	120.000	144.000
F1	0.000	120.000	219.000
F2	72.000	120.000	219.000
F3	144.000	120.000	219.000
F4	216.000	120.000	219.000
F5	288.000	120.000	219.000
F6	360.000	120.000	219.000
F7	432.000	120.000	219.000
F8	504.000	120.000	219.000
F9	576.000	120.000	219.000
G1	0.000	120.000	267.000
G2	72.000	120.000	267.000
G3	144.000	120.000	267.000
G4	216.000	120.000	267.000
G5	288.000	120.000	267.000
G6	360.000	120.000	267.000
G7	432.000	120.000	267.000
G8	504.000	120.000	267.000
G9	576.000	120.000	267.000
H1	0.000	120.000	315.000
H2	72.000	120.000	315.000
H3	144.000	120.000	315.000
H4	216.000	120.000	315.000
H5	288.000	120.000	315.000
H6	360.000	120.000	315.000
H7	432.000	120.000	315.000
H8	504.000	120.000	315.000
H9	576.000	120.000	315.000
I1	0.000	120.000	363.000
I2	72.000	120.000	363.000
I3	144.000	120.000	363.000
I4	216.000	120.000	363.000
I5	288.000	120.000	363.000
I6	360.000	120.000	363.000
I7	432.000	120.000	363.000
I8	504.000	120.000	363.000
I9	576.000	120.000	363.000
J1	0.000	120.000	411.000
J2	72.000	120.000	411.000
J3	144.000	120.000	411.000
J4	216.000	120.000	411.000
J5	288.000	120.000	411.000
J6	360.000	120.000	411.000
J7	432.000	120.000	411.000
J8	504.000	120.000	411.000
J9	576.000	120.000	411.000

K1	0.000	120.000	459.000
K2	72.000	120.000	459.000
K3	144.000	120.000	459.000
K4	216.000	120.000	459.000
K5	288.000	120.000	459.000
K6	360.000	120.000	459.000
K7	432.000	120.000	459.000
K8	504.000	120.000	459.000
K9	576.000	120.000	459.000
L1	0.000	120.000	507.000
L2	72.000	120.000	507.000
L3	144.000	120.000	507.000
L4	216.000	120.000	507.000
L5	288.000	120.000	507.000
L6	360.000	120.000	507.000
L7	432.000	120.000	507.000
L8	504.000	120.000	507.000
L9	576.000	120.000	507.000
M1	0.000	120.000	555.000
M2	72.000	120.000	555.000
M3	144.000	120.000	555.000
M4	216.000	120.000	555.000
M5	288.000	120.000	555.000
M6	360.000	120.000	555.000
M7	432.000	120.000	555.000
M8	504.000	120.000	555.000
M9	576.000	120.000	555.000
N1	0.000	120.000	570.000
N2	72.000	120.000	570.000
N3	144.000	120.000	570.000
N4	216.000	120.000	570.000
N5	288.000	120.000	570.000
N6	360.000	120.000	570.000
N7	432.000	120.000	570.000
N8	504.000	120.000	570.000
N9	576.000	120.000	570.000
O1	0.000	120.000	633.000
O7	432.000	120.000	633.000
O9	576.000	120.000	633.000
P1	0.000	120.000	654.000
P2	72.000	120.000	654.000
P3	144.000	120.000	654.000
P4	216.000	120.000	654.000
P5	288.000	120.000	654.000
P6	360.000	120.000	654.000
P7	432.000	120.000	654.000
P8	504.000	120.000	654.000
P9	576.000	120.000	654.000
D10	648.000	120.000	144.000
D11	720.000	120.000	144.000
D12	792.000	120.000	144.000
D13	864.000	120.000	144.000
D14	936.000	120.000	144.000
D15	1008.000	120.000	144.000
F10	648.000	120.000	219.000
F11	720.000	120.000	219.000
F12	792.000	120.000	219.000
F13	864.000	120.000	219.000
F14	936.000	120.000	219.000
F15	1008.000	120.000	219.000
G10	648.000	120.000	267.000
G11	720.000	120.000	267.000
G12	792.000	120.000	267.000

G13	864.000	120.000	267.000
G14	936.000	120.000	267.000
G15	1008.000	120.000	267.000
H10	648.000	120.000	315.000
H11	720.000	120.000	315.000
H12	792.000	120.000	315.000
H13	864.000	120.000	315.000
H14	936.000	120.000	315.000
H15	1008.000	120.000	315.000
I10	648.000	120.000	363.000
I11	720.000	120.000	363.000
I12	792.000	120.000	363.000
I13	864.000	120.000	363.000
I14	936.000	120.000	363.000
I15	1008.000	120.000	363.000
J10	648.000	120.000	411.000
J11	720.000	120.000	411.000
J12	792.000	120.000	411.000
J13	864.000	120.000	411.000
J14	936.000	120.000	411.000
J15	1008.000	120.000	411.000
K10	648.000	120.000	459.000
K11	720.000	120.000	459.000
K12	792.000	120.000	459.000
K13	864.000	120.000	459.000
K14	936.000	120.000	459.000
K15	1008.000	120.000	459.000
L10	648.000	120.000	507.000
L11	720.000	120.000	507.000
L12	792.000	120.000	507.000
L13	864.000	120.000	507.000
L14	936.000	120.000	507.000
L15	1008.000	120.000	507.000
M10	648.000	120.000	555.000
M11	720.000	120.000	555.000
M12	792.000	120.000	555.000
M13	864.000	120.000	555.000
M14	936.000	120.000	555.000
M15	1008.000	120.000	555.000
N10	648.000	120.000	570.000
N11	720.000	120.000	570.000
N12	792.000	120.000	570.000
N13	864.000	120.000	570.000
N14	936.000	120.000	570.000
N15	1008.000	120.000	570.000
O15	1008.000	120.000	633.000
P10	648.000	120.000	654.000
P11	720.000	120.000	654.000
P12	792.000	120.000	654.000
P13	864.000	120.000	654.000
P14	936.000	120.000	654.000
P15	1008.000	120.000	654.000
1FIL1	0.000	120.000	162.250
1FIL2	72.000	120.000	162.250
1FIL3	144.000	120.000	162.250
1FIL4	216.000	120.000	162.250
1FIL5	288.000	120.000	162.250
1FIL6	360.000	120.000	162.250
1FIL7	432.000	120.000	162.250
1FIL8	504.000	120.000	162.250
1FIL9	576.000	120.000	162.250
2FIL1	0.000	120.000	243.000
2FIL2	72.000	120.000	243.000

2FIL3	144.000	120.000	243.000
2FIL4	216.000	120.000	243.000
2FIL5	288.000	120.000	243.000
2FIL6	360.000	120.000	243.000
2FIL7	432.000	120.000	243.000
2FIL8	504.000	120.000	243.000
2FIL9	576.000	120.000	243.000
3FIL1	0.000	120.000	339.000
3FIL2	72.000	120.000	339.000
3FIL3	144.000	120.000	339.000
3FIL4	216.000	120.000	339.000
3FIL5	288.000	120.000	339.000
3FIL6	360.000	120.000	339.000
3FIL7	432.000	120.000	339.000
3FIL8	504.000	120.000	339.000
3FIL9	576.000	120.000	339.000
4FIL1	0.000	120.000	435.000
4FIL2	72.000	120.000	435.000
4FIL3	144.000	120.000	435.000
4FIL4	216.000	120.000	435.000
4FIL5	288.000	120.000	435.000
4FIL6	360.000	120.000	435.000
4FIL7	432.000	120.000	435.000
4FIL8	504.000	120.000	435.000
4FIL9	576.000	120.000	435.000
5FIL1	0.000	120.000	565.437
5FIL2	72.000	120.000	565.437
5FIL3	144.000	120.000	565.437
5FIL4	216.000	120.000	565.437
5FIL5	288.000	120.000	565.437
5FIL6	360.000	120.000	565.437
5FIL7	432.000	120.000	565.437
5FIL8	504.000	120.000	565.437
5FIL9	576.000	120.000	565.437
1FIL10	648.000	120.000	162.250
1FIL11	720.000	120.000	162.250
1FIL12	792.000	120.000	162.250
1FIL13	864.000	120.000	162.250
1FIL14	936.000	120.000	162.250
1FIL15	1008.000	120.000	162.250
2FIL10	648.000	120.000	243.000
2FIL11	720.000	120.000	243.000
2FIL12	792.000	120.000	243.000
2FIL13	864.000	120.000	243.000
2FIL14	936.000	120.000	243.000
2FIL15	1008.000	120.000	243.000
3FIL10	648.000	120.000	339.000
3FIL11	720.000	120.000	339.000
3FIL12	792.000	120.000	339.000
3FIL13	864.000	120.000	339.000
3FIL14	936.000	120.000	339.000
3FIL15	1008.000	120.000	339.000
4FIL10	648.000	120.000	435.000
4FIL11	720.000	120.000	435.000
4FIL12	792.000	120.000	435.000
4FIL13	864.000	120.000	435.000
4FIL14	936.000	120.000	435.000
4FIL15	1008.000	120.000	435.000
5FIL10	648.000	120.000	565.437
5FIL11	720.000	120.000	565.437
5FIL12	792.000	120.000	565.437
5FIL13	864.000	120.000	565.437
5FIL14	936.000	120.000	565.437

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  5FIL15       1008.000        120.000        565.437

C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE    3
                                        PROGRAM:SAP2000/FILE:\BentCSeismic.EKO


 P A T T E R N S

 PATTERN     JOINT       VALUE
 DEFAULT


C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE    4
                                        PROGRAM:SAP2000/FILE:\BentCSeismic.EKO


 R E S T R A I N T   D A T A

   JOINT
      D1        U1        U2        U3
      D2        U1        U2        U3
      D3        U1        U2        U3
      D4        U1        U2        U3
      D5        U1        U2        U3
      D6        U1        U2        U3
      D7        U1        U2        U3
      D8        U1        U2        U3
      D9        U1        U2        U3
     D10        U1        U2        U3
     D11        U1        U2        U3
     D12        U1        U2        U3
     D13        U1        U2        U3
     D14        U1        U2        U3
     D15        U1        U2        U3


C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE    5
                                        PROGRAM:SAP2000/FILE:\BentCSeismic.EKO


 C O N S T R A I N T   D A T A

  CONSTR    TYPE    CSYS  AXIS  DEGREES OF FREEDOM

     NM1   EQUAL       0         UX
     NM2   EQUAL       0         UX
     NM3   EQUAL       0         UX
     NM4   EQUAL       0         UX
     NM5   EQUAL       0         UX
     NM6   EQUAL       0         UX
     NM7   EQUAL       0         UX
     NM8   EQUAL       0         UX
     NM9   EQUAL       0         UX
     PO1   EQUAL       0         UX
     PO7   EQUAL       0         UX
     PO9   EQUAL       0         UX
    NM10   EQUAL       0         UX
    NM11   EQUAL       0         UX
    NM12   EQUAL       0         UX
    NM13   EQUAL       0         UX
    NM14   EQUAL       0         UX
    NM15   EQUAL       0         UX
```

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    PO15   EQUAL       0         UX
```


C O N S T R A I N T D A T A

```
  CONSTR
          JOINTS
     NM1
              M1      N1   5FIL1
     NM2
              M2      N2   5FIL2
     NM3
              M3      N3   5FIL3
     NM4
              M4      N4   5FIL4
     NM5
              M5      N5   5FIL5
     NM6
              M6      N6   5FIL6
     NM7
              M7      N7   5FIL7
     NM8
              M8      N8   5FIL8
     NM9
              M9      N9   5FIL9
     PO1
              O1      P1
     PO7
              O7      P7
     PO9
              O9      P9
    NM10
             M10     N10  5FIL10
    NM11
             M11     N11  5FIL11
    NM12
             M12     N12  5FIL12
    NM13
             M13     N13  5FIL13
    NM14
             M14     N14  5FIL14
    NM15
             M15     N15  5FIL15
    PO15
             O15     P15
```


J O I N T M A S S E S

JOINT	U1	U2	U3	R1	R2	R3
D1	0.268E+00	0.268E+00	0.268E+00	0.000E+00	0.000E+00	0.000E+00
D2	0.293E+00	0.293E+00	0.293E+00	0.000E+00	0.000E+00	0.000E+00
D3	0.293E+00	0.293E+00	0.293E+00	0.000E+00	0.000E+00	0.000E+00
D4	0.293E+00	0.293E+00	0.293E+00	0.000E+00	0.000E+00	0.000E+00
D5	0.293E+00	0.293E+00	0.293E+00	0.000E+00	0.000E+00	0.000E+00

D6	0.293E+00	0.293E+00	0.293E+00	0.000E+00	0.000E+00	0.000E+00
D7	0.293E+00	0.293E+00	0.293E+00	0.000E+00	0.000E+00	0.000E+00
D8	0.579E+00	0.579E+00	0.579E+00	0.000E+00	0.000E+00	0.000E+00
D9	0.293E+00	0.293E+00	0.293E+00	0.000E+00	0.000E+00	0.000E+00
F1	0.439E+00	0.439E+00	0.439E+00	0.000E+00	0.000E+00	0.000E+00
F2	0.480E+00	0.480E+00	0.480E+00	0.000E+00	0.000E+00	0.000E+00
F3	0.480E+00	0.480E+00	0.480E+00	0.000E+00	0.000E+00	0.000E+00
F4	0.480E+00	0.480E+00	0.480E+00	0.000E+00	0.000E+00	0.000E+00
F5	0.480E+00	0.480E+00	0.480E+00	0.000E+00	0.000E+00	0.000E+00
F6	0.480E+00	0.480E+00	0.480E+00	0.000E+00	0.000E+00	0.000E+00
F7	0.480E+00	0.480E+00	0.480E+00	0.000E+00	0.000E+00	0.000E+00
F8	0.950E+00	0.950E+00	0.950E+00	0.000E+00	0.000E+00	0.000E+00
F9	0.480E+00	0.480E+00	0.480E+00	0.000E+00	0.000E+00	0.000E+00
G1	0.343E+00	0.343E+00	0.343E+00	0.000E+00	0.000E+00	0.000E+00
G2	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
G3	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
G4	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
G5	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
G6	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
G7	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
G8	0.741E+00	0.741E+00	0.741E+00	0.000E+00	0.000E+00	0.000E+00
G9	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
H1	0.964E+00	0.964E+00	0.964E+00	0.000E+00	0.000E+00	0.000E+00
H2	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
H3	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
H4	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
H5	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
H6	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
H7	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
H8	0.741E+00	0.741E+00	0.741E+00	0.000E+00	0.000E+00	0.000E+00
H9	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
I1	0.424E+00	0.424E+00	0.424E+00	0.000E+00	0.000E+00	0.000E+00
I2	0.398E+00	0.398E+00	0.398E+00	0.000E+00	0.000E+00	0.000E+00
I3	0.398E+00	0.398E+00	0.398E+00	0.000E+00	0.000E+00	0.000E+00
I4	0.398E+00	0.398E+00	0.398E+00	0.000E+00	0.000E+00	0.000E+00
I5	0.398E+00	0.398E+00	0.398E+00	0.000E+00	0.000E+00	0.000E+00
I6	0.398E+00	0.398E+00	0.398E+00	0.000E+00	0.000E+00	0.000E+00
I7	0.398E+00	0.398E+00	0.398E+00	0.000E+00	0.000E+00	0.000E+00
I8	0.901E+00	0.901E+00	0.901E+00	0.000E+00	0.000E+00	0.000E+00
I9	0.398E+00	0.398E+00	0.398E+00	0.000E+00	0.000E+00	0.000E+00
J1	0.113E+01	0.113E+01	0.113E+01	0.000E+00	0.000E+00	0.000E+00
J2	0.427E+00	0.427E+00	0.427E+00	0.000E+00	0.000E+00	0.000E+00
J3	0.427E+00	0.427E+00	0.427E+00	0.000E+00	0.000E+00	0.000E+00
J4	0.427E+00	0.427E+00	0.427E+00	0.000E+00	0.000E+00	0.000E+00
J5	0.427E+00	0.427E+00	0.427E+00	0.000E+00	0.000E+00	0.000E+00
J6	0.427E+00	0.427E+00	0.427E+00	0.000E+00	0.000E+00	0.000E+00
J7	0.427E+00	0.427E+00	0.427E+00	0.000E+00	0.000E+00	0.000E+00
J8	0.107E+01	0.107E+01	0.107E+01	0.000E+00	0.000E+00	0.000E+00
J9	0.427E+00	0.427E+00	0.427E+00	0.000E+00	0.000E+00	0.000E+00
K1	0.583E+00	0.583E+00	0.583E+00	0.000E+00	0.000E+00	0.000E+00
K2	0.442E+00	0.442E+00	0.442E+00	0.000E+00	0.000E+00	0.000E+00
K3	0.442E+00	0.442E+00	0.442E+00	0.000E+00	0.000E+00	0.000E+00
K4	0.442E+00	0.442E+00	0.442E+00	0.000E+00	0.000E+00	0.000E+00
K5	0.442E+00	0.442E+00	0.442E+00	0.000E+00	0.000E+00	0.000E+00
K6	0.442E+00	0.442E+00	0.442E+00	0.000E+00	0.000E+00	0.000E+00
K7	0.442E+00	0.442E+00	0.442E+00	0.000E+00	0.000E+00	0.000E+00
K8	0.122E+01	0.122E+01	0.122E+01	0.000E+00	0.000E+00	0.000E+00
K9	0.442E+00	0.442E+00	0.442E+00	0.000E+00	0.000E+00	0.000E+00
L1	0.128E+01	0.128E+01	0.128E+01	0.000E+00	0.000E+00	0.000E+00
L2	0.455E+00	0.455E+00	0.455E+00	0.000E+00	0.000E+00	0.000E+00
L3	0.455E+00	0.455E+00	0.455E+00	0.000E+00	0.000E+00	0.000E+00
L4	0.455E+00	0.455E+00	0.455E+00	0.000E+00	0.000E+00	0.000E+00
L5	0.455E+00	0.455E+00	0.455E+00	0.000E+00	0.000E+00	0.000E+00

L6	0.455E+00	0.455E+00	0.455E+00	0.000E+00	0.000E+00	0.000E+00
L7	0.455E+00	0.455E+00	0.455E+00	0.000E+00	0.000E+00	0.000E+00
L8	0.137E+01	0.137E+01	0.137E+01	0.000E+00	0.000E+00	0.000E+00
L9	0.455E+00	0.455E+00	0.455E+00	0.000E+00	0.000E+00	0.000E+00
M1	0.103E+01	0.103E+01	0.103E+01	0.000E+00	0.000E+00	0.000E+00
M2	0.337E+00	0.337E+00	0.337E+00	0.000E+00	0.000E+00	0.000E+00
M3	0.337E+00	0.337E+00	0.337E+00	0.000E+00	0.000E+00	0.000E+00
M4	0.337E+00	0.337E+00	0.337E+00	0.000E+00	0.000E+00	0.000E+00
M5	0.337E+00	0.337E+00	0.337E+00	0.000E+00	0.000E+00	0.000E+00
M6	0.337E+00	0.337E+00	0.337E+00	0.000E+00	0.000E+00	0.000E+00
M7	0.337E+00	0.337E+00	0.337E+00	0.000E+00	0.000E+00	0.000E+00
M8	0.102E+01	0.102E+01	0.102E+01	0.000E+00	0.000E+00	0.000E+00
M9	0.337E+00	0.337E+00	0.337E+00	0.000E+00	0.000E+00	0.000E+00
N1	0.884E+01	0.884E+01	0.884E+01	0.000E+00	0.000E+00	0.000E+00
N2	0.167E+02	0.167E+02	0.167E+02	0.000E+00	0.000E+00	0.000E+00
N3	0.195E+02	0.195E+02	0.195E+02	0.000E+00	0.000E+00	0.000E+00
N4	0.183E+02	0.183E+02	0.183E+02	0.000E+00	0.000E+00	0.000E+00
N5	0.177E+02	0.177E+02	0.177E+02	0.000E+00	0.000E+00	0.000E+00
N6	0.179E+02	0.179E+02	0.179E+02	0.000E+00	0.000E+00	0.000E+00
N7	0.166E+02	0.166E+02	0.166E+02	0.000E+00	0.000E+00	0.000E+00
N8	0.167E+02	0.167E+02	0.167E+02	0.000E+00	0.000E+00	0.000E+00
N9	0.166E+02	0.166E+02	0.166E+02	0.000E+00	0.000E+00	0.000E+00
O1	0.164E+00	0.164E+00	0.164E+00	0.000E+00	0.000E+00	0.000E+00
O7	0.328E+00	0.328E+00	0.328E+00	0.000E+00	0.000E+00	0.000E+00
O9	0.328E+00	0.328E+00	0.328E+00	0.000E+00	0.000E+00	0.000E+00
P1	0.544E+01	0.544E+01	0.544E+01	0.000E+00	0.000E+00	0.000E+00
P2	0.958E+01	0.958E+01	0.958E+01	0.000E+00	0.000E+00	0.000E+00
P3	0.958E+01	0.958E+01	0.958E+01	0.000E+00	0.000E+00	0.000E+00
P4	0.107E+02	0.107E+02	0.107E+02	0.000E+00	0.000E+00	0.000E+00
P5	0.107E+02	0.107E+02	0.107E+02	0.000E+00	0.000E+00	0.000E+00
P6	0.958E+01	0.958E+01	0.958E+01	0.000E+00	0.000E+00	0.000E+00
P7	0.934E+01	0.934E+01	0.934E+01	0.000E+00	0.000E+00	0.000E+00
P8	0.958E+01	0.958E+01	0.958E+01	0.000E+00	0.000E+00	0.000E+00
P9	0.934E+01	0.934E+01	0.934E+01	0.000E+00	0.000E+00	0.000E+00
D10	0.293E+00	0.293E+00	0.293E+00	0.000E+00	0.000E+00	0.000E+00
D11	0.293E+00	0.293E+00	0.293E+00	0.000E+00	0.000E+00	0.000E+00
D12	0.293E+00	0.293E+00	0.293E+00	0.000E+00	0.000E+00	0.000E+00
D13	0.293E+00	0.293E+00	0.293E+00	0.000E+00	0.000E+00	0.000E+00
D14	0.293E+00	0.293E+00	0.293E+00	0.000E+00	0.000E+00	0.000E+00
D15	0.579E+00	0.579E+00	0.579E+00	0.000E+00	0.000E+00	0.000E+00
F10	0.480E+00	0.480E+00	0.480E+00	0.000E+00	0.000E+00	0.000E+00
F11	0.480E+00	0.480E+00	0.480E+00	0.000E+00	0.000E+00	0.000E+00
F12	0.480E+00	0.480E+00	0.480E+00	0.000E+00	0.000E+00	0.000E+00
F13	0.480E+00	0.480E+00	0.480E+00	0.000E+00	0.000E+00	0.000E+00
F14	0.480E+00	0.480E+00	0.480E+00	0.000E+00	0.000E+00	0.000E+00
F15	0.950E+00	0.950E+00	0.950E+00	0.000E+00	0.000E+00	0.000E+00
G10	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
G11	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
G12	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
G13	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
G14	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
G15	0.741E+00	0.741E+00	0.741E+00	0.000E+00	0.000E+00	0.000E+00
H10	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
H11	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
H12	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
H13	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
H14	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
H15	0.741E+00	0.741E+00	0.741E+00	0.000E+00	0.000E+00	0.000E+00
I10	0.398E+00	0.398E+00	0.398E+00	0.000E+00	0.000E+00	0.000E+00
I11	0.398E+00	0.398E+00	0.398E+00	0.000E+00	0.000E+00	0.000E+00
I12	0.398E+00	0.398E+00	0.398E+00	0.000E+00	0.000E+00	0.000E+00
I13	0.398E+00	0.398E+00	0.398E+00	0.000E+00	0.000E+00	0.000E+00
I14	0.398E+00	0.398E+00	0.398E+00	0.000E+00	0.000E+00	0.000E+00

I15	0.901E+00	0.901E+00	0.901E+00	0.000E+00	0.000E+00	0.000E+00
J10	0.427E+00	0.427E+00	0.427E+00	0.000E+00	0.000E+00	0.000E+00
J11	0.427E+00	0.427E+00	0.427E+00	0.000E+00	0.000E+00	0.000E+00
J12	0.427E+00	0.427E+00	0.427E+00	0.000E+00	0.000E+00	0.000E+00
J13	0.427E+00	0.427E+00	0.427E+00	0.000E+00	0.000E+00	0.000E+00
J14	0.427E+00	0.427E+00	0.427E+00	0.000E+00	0.000E+00	0.000E+00
J15	0.107E+01	0.107E+01	0.107E+01	0.000E+00	0.000E+00	0.000E+00
K10	0.442E+00	0.442E+00	0.442E+00	0.000E+00	0.000E+00	0.000E+00
K11	0.442E+00	0.442E+00	0.442E+00	0.000E+00	0.000E+00	0.000E+00
K12	0.442E+00	0.442E+00	0.442E+00	0.000E+00	0.000E+00	0.000E+00
K13	0.442E+00	0.442E+00	0.442E+00	0.000E+00	0.000E+00	0.000E+00
K14	0.442E+00	0.442E+00	0.442E+00	0.000E+00	0.000E+00	0.000E+00
K15	0.122E+01	0.122E+01	0.122E+01	0.000E+00	0.000E+00	0.000E+00
L10	0.455E+00	0.455E+00	0.455E+00	0.000E+00	0.000E+00	0.000E+00
L11	0.455E+00	0.455E+00	0.455E+00	0.000E+00	0.000E+00	0.000E+00
L12	0.455E+00	0.455E+00	0.455E+00	0.000E+00	0.000E+00	0.000E+00
L13	0.455E+00	0.455E+00	0.455E+00	0.000E+00	0.000E+00	0.000E+00
L14	0.455E+00	0.455E+00	0.455E+00	0.000E+00	0.000E+00	0.000E+00
L15	0.137E+01	0.137E+01	0.137E+01	0.000E+00	0.000E+00	0.000E+00
M10	0.337E+00	0.337E+00	0.337E+00	0.000E+00	0.000E+00	0.000E+00
M11	0.337E+00	0.337E+00	0.337E+00	0.000E+00	0.000E+00	0.000E+00
M12	0.337E+00	0.337E+00	0.337E+00	0.000E+00	0.000E+00	0.000E+00
M13	0.337E+00	0.337E+00	0.337E+00	0.000E+00	0.000E+00	0.000E+00
M14	0.337E+00	0.337E+00	0.337E+00	0.000E+00	0.000E+00	0.000E+00
M15	0.102E+01	0.102E+01	0.102E+01	0.000E+00	0.000E+00	0.000E+00
N10	0.167E+02	0.167E+02	0.167E+02	0.000E+00	0.000E+00	0.000E+00
N11	0.167E+02	0.167E+02	0.167E+02	0.000E+00	0.000E+00	0.000E+00
N12	0.167E+02	0.167E+02	0.167E+02	0.000E+00	0.000E+00	0.000E+00
N13	0.167E+02	0.167E+02	0.167E+02	0.000E+00	0.000E+00	0.000E+00
N14	0.167E+02	0.167E+02	0.167E+02	0.000E+00	0.000E+00	0.000E+00
N15	0.167E+02	0.167E+02	0.167E+02	0.000E+00	0.000E+00	0.000E+00
O15	0.328E+00	0.328E+00	0.328E+00	0.000E+00	0.000E+00	0.000E+00
P10	0.958E+01	0.958E+01	0.958E+01	0.000E+00	0.000E+00	0.000E+00
P11	0.107E+02	0.107E+02	0.107E+02	0.000E+00	0.000E+00	0.000E+00
P12	0.107E+02	0.107E+02	0.107E+02	0.000E+00	0.000E+00	0.000E+00
P13	0.958E+01	0.958E+01	0.958E+01	0.000E+00	0.000E+00	0.000E+00
P14	0.958E+01	0.958E+01	0.958E+01	0.000E+00	0.000E+00	0.000E+00
P15	0.930E+01	0.930E+01	0.930E+01	0.000E+00	0.000E+00	0.000E+00
1FIL1	0.582E-01	0.582E-01	0.582E-01	0.000E+00	0.000E+00	0.000E+00
1FIL2	0.116E+00	0.116E+00	0.116E+00	0.000E+00	0.000E+00	0.000E+00
1FIL3	0.116E+00	0.116E+00	0.116E+00	0.000E+00	0.000E+00	0.000E+00
1FIL4	0.116E+00	0.116E+00	0.116E+00	0.000E+00	0.000E+00	0.000E+00
1FIL5	0.116E+00	0.116E+00	0.116E+00	0.000E+00	0.000E+00	0.000E+00
1FIL6	0.116E+00	0.116E+00	0.116E+00	0.000E+00	0.000E+00	0.000E+00
1FIL7	0.116E+00	0.116E+00	0.116E+00	0.000E+00	0.000E+00	0.000E+00
1FIL8	0.116E+00	0.116E+00	0.116E+00	0.000E+00	0.000E+00	0.000E+00
1FIL9	0.116E+00	0.116E+00	0.116E+00	0.000E+00	0.000E+00	0.000E+00
2FIL1	0.929E+00	0.929E+00	0.929E+00	0.000E+00	0.000E+00	0.000E+00
2FIL2	0.615E+00	0.615E+00	0.615E+00	0.000E+00	0.000E+00	0.000E+00
2FIL3	0.615E+00	0.615E+00	0.615E+00	0.000E+00	0.000E+00	0.000E+00
2FIL4	0.615E+00	0.615E+00	0.615E+00	0.000E+00	0.000E+00	0.000E+00
2FIL5	0.615E+00	0.615E+00	0.615E+00	0.000E+00	0.000E+00	0.000E+00
2FIL6	0.615E+00	0.615E+00	0.615E+00	0.000E+00	0.000E+00	0.000E+00
2FIL7	0.615E+00	0.615E+00	0.615E+00	0.000E+00	0.000E+00	0.000E+00
2FIL8	0.615E+00	0.615E+00	0.615E+00	0.000E+00	0.000E+00	0.000E+00
2FIL9	0.615E+00	0.615E+00	0.615E+00	0.000E+00	0.000E+00	0.000E+00
3FIL1	0.123E+01	0.123E+01	0.123E+01	0.000E+00	0.000E+00	0.000E+00
3FIL2	0.121E+01	0.121E+01	0.121E+01	0.000E+00	0.000E+00	0.000E+00
3FIL3	0.121E+01	0.121E+01	0.121E+01	0.000E+00	0.000E+00	0.000E+00
3FIL4	0.121E+01	0.121E+01	0.121E+01	0.000E+00	0.000E+00	0.000E+00
3FIL5	0.121E+01	0.121E+01	0.121E+01	0.000E+00	0.000E+00	0.000E+00
3FIL6	0.121E+01	0.121E+01	0.121E+01	0.000E+00	0.000E+00	0.000E+00
3FIL7	0.121E+01	0.121E+01	0.121E+01	0.000E+00	0.000E+00	0.000E+00

3FIL8	0.121E+01	0.121E+01	0.121E+01	0.000E+00	0.000E+00	0.000E+00
3FIL9	0.121E+01	0.121E+01	0.121E+01	0.000E+00	0.000E+00	0.000E+00
4FIL1	0.166E+01	0.166E+01	0.166E+01	0.000E+00	0.000E+00	0.000E+00
4FIL2	0.207E+01	0.207E+01	0.207E+01	0.000E+00	0.000E+00	0.000E+00
4FIL3	0.207E+01	0.207E+01	0.207E+01	0.000E+00	0.000E+00	0.000E+00
4FIL4	0.207E+01	0.207E+01	0.207E+01	0.000E+00	0.000E+00	0.000E+00
4FIL5	0.207E+01	0.207E+01	0.207E+01	0.000E+00	0.000E+00	0.000E+00
4FIL6	0.207E+01	0.207E+01	0.207E+01	0.000E+00	0.000E+00	0.000E+00
4FIL7	0.207E+01	0.207E+01	0.207E+01	0.000E+00	0.000E+00	0.000E+00
4FIL8	0.207E+01	0.207E+01	0.207E+01	0.000E+00	0.000E+00	0.000E+00
4FIL9	0.207E+01	0.207E+01	0.207E+01	0.000E+00	0.000E+00	0.000E+00
5FIL1	0.164E+01	0.164E+01	0.164E+01	0.000E+00	0.000E+00	0.000E+00
5FIL2	0.169E+01	0.169E+01	0.169E+01	0.000E+00	0.000E+00	0.000E+00
5FIL3	0.169E+01	0.169E+01	0.169E+01	0.000E+00	0.000E+00	0.000E+00
5FIL4	0.169E+01	0.169E+01	0.169E+01	0.000E+00	0.000E+00	0.000E+00
5FIL5	0.169E+01	0.169E+01	0.169E+01	0.000E+00	0.000E+00	0.000E+00
5FIL6	0.169E+01	0.169E+01	0.169E+01	0.000E+00	0.000E+00	0.000E+00
5FIL7	0.169E+01	0.169E+01	0.169E+01	0.000E+00	0.000E+00	0.000E+00
5FIL8	0.169E+01	0.169E+01	0.169E+01	0.000E+00	0.000E+00	0.000E+00
5FIL9	0.169E+01	0.169E+01	0.169E+01	0.000E+00	0.000E+00	0.000E+00
1FIL10	0.116E+00	0.116E+00	0.116E+00	0.000E+00	0.000E+00	0.000E+00
1FIL11	0.116E+00	0.116E+00	0.116E+00	0.000E+00	0.000E+00	0.000E+00
1FIL12	0.116E+00	0.116E+00	0.116E+00	0.000E+00	0.000E+00	0.000E+00
1FIL13	0.116E+00	0.116E+00	0.116E+00	0.000E+00	0.000E+00	0.000E+00
1FIL14	0.116E+00	0.116E+00	0.116E+00	0.000E+00	0.000E+00	0.000E+00
1FIL15	0.116E+00	0.116E+00	0.116E+00	0.000E+00	0.000E+00	0.000E+00
2FIL10	0.615E+00	0.615E+00	0.615E+00	0.000E+00	0.000E+00	0.000E+00
2FIL11	0.615E+00	0.615E+00	0.615E+00	0.000E+00	0.000E+00	0.000E+00
2FIL12	0.615E+00	0.615E+00	0.615E+00	0.000E+00	0.000E+00	0.000E+00
2FIL13	0.615E+00	0.615E+00	0.615E+00	0.000E+00	0.000E+00	0.000E+00
2FIL14	0.615E+00	0.615E+00	0.615E+00	0.000E+00	0.000E+00	0.000E+00
2FIL15	0.615E+00	0.615E+00	0.615E+00	0.000E+00	0.000E+00	0.000E+00
3FIL10	0.121E+01	0.121E+01	0.121E+01	0.000E+00	0.000E+00	0.000E+00
3FIL11	0.121E+01	0.121E+01	0.121E+01	0.000E+00	0.000E+00	0.000E+00
3FIL12	0.121E+01	0.121E+01	0.121E+01	0.000E+00	0.000E+00	0.000E+00
3FIL13	0.121E+01	0.121E+01	0.121E+01	0.000E+00	0.000E+00	0.000E+00
3FIL14	0.121E+01	0.121E+01	0.121E+01	0.000E+00	0.000E+00	0.000E+00
3FIL15	0.121E+01	0.121E+01	0.121E+01	0.000E+00	0.000E+00	0.000E+00
4FIL10	0.207E+01	0.207E+01	0.207E+01	0.000E+00	0.000E+00	0.000E+00
4FIL11	0.207E+01	0.207E+01	0.207E+01	0.000E+00	0.000E+00	0.000E+00
4FIL12	0.207E+01	0.207E+01	0.207E+01	0.000E+00	0.000E+00	0.000E+00
4FIL13	0.207E+01	0.207E+01	0.207E+01	0.000E+00	0.000E+00	0.000E+00
4FIL14	0.207E+01	0.207E+01	0.207E+01	0.000E+00	0.000E+00	0.000E+00
4FIL15	0.207E+01	0.207E+01	0.207E+01	0.000E+00	0.000E+00	0.000E+00
5FIL10	0.169E+01	0.169E+01	0.169E+01	0.000E+00	0.000E+00	0.000E+00
5FIL11	0.169E+01	0.169E+01	0.169E+01	0.000E+00	0.000E+00	0.000E+00
5FIL12	0.169E+01	0.169E+01	0.169E+01	0.000E+00	0.000E+00	0.000E+00
5FIL13	0.169E+01	0.169E+01	0.169E+01	0.000E+00	0.000E+00	0.000E+00
5FIL14	0.169E+01	0.169E+01	0.169E+01	0.000E+00	0.000E+00	0.000E+00
5FIL15	0.169E+01	0.169E+01	0.169E+01	0.000E+00	0.000E+00	0.000E+00

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M A T E R I A L P R O P E R T Y D A T A

MAT LABEL	NUMBER TEMPS	WEIGHT PER UNIT VOL	MASS PER UNIT VOL	DESIGN CODE
STEEL	1	0.2830E+00	0.7324E-03	S
CONC	1	0.8680E-01	0.2246E-03	C

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    WOOD         1     0.1850E-01     0.4793E-04         N

C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE    9
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 T E M P E R A T U R E   D E P E N D E N T   D A T A

 MATERIAL PROPERTIES

     MAT      TEMP         MODULUS OF ELASTICITY          SHEAR MODULII
   LABEL                  E1        E2        E3       G12       G13       G23

   STEEL      0.00 0.290E+08 0.290E+08 0.290E+08 0.112E+08 0.112E+08 0.112E+08

    CONC      0.00 0.360E+07 0.360E+07 0.360E+07 0.150E+07 0.150E+07 0.150E+07

    WOOD      0.00 0.140E+07 0.140E+07 0.140E+07 0.538E+06 0.538E+06 0.538E+06

C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE   10
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 T E M P E R A T U R E   D E P E N D E N T   D A T A

 THERMAL EXPANSION COEFFICIENTS

     MAT      TEMP            COEFFICIENTS OF THERMAL EXPANSION
   LABEL                  A1        A2        A3       A12       A13       A23

   STEEL      0.00 0.650E-05 0.650E-05 0.650E-05 0.000E+00 0.000E+00 0.000E+00

    CONC      0.00 0.550E-05 0.550E-05 0.550E-05 0.000E+00 0.000E+00 0.000E+00

    WOOD      0.00 0.650E-05 0.650E-05 0.650E-05 0.000E+00 0.000E+00 0.000E+00

C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE   11
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 T E M P E R A T U R E   D E P E N D E N T   D A T A

 MATERIAL PROPERTIES

     MAT      TEMP                                  POISSONS RATIO
   LABEL           U12 U13 U23 U14 U24 U34 U15 U25 U35 U45 U16 U26 U36 U46 U56

   STEEL      0.00 0.3 0.3 0.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

    CONC      0.00 0.2 0.2 0.2 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

    WOOD      0.00 0.3 0.3 0.3 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0

C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE   12
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 MATERIAL PROPERTIES
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MAT LABEL	TEMP	YIELD FY
CONC	0.00	36.00

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	SHAPE TYPE	DEPTH	FLANGE WIDTH TOP	FLANGE THICK TOP	WEB THICK	FLANGE WIDTH BOTTOM	FLANGE THICK BOTTOM
4X4	R	3.500	3.500				
2X2X4	R	3.500	3.000				
4X6	R	5.500	3.500				
2X8	R	7.250	1.500				
2X4X4	R	7.000	3.500				

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	AXIAL AREA	TORSIONAL CONSTANT	MOMENTS OF INERTIA I33	I22	SHEAR AREAS A2	A3
4X4	0.123E+02	0.211E+02	0.125E+02	0.125E+02	0.102E+02	0.102E+02
2X2X4	0.105E+02	0.153E+02	0.107E+02	0.788E+01	0.875E+01	0.875E+01
4X6	0.193E+02	0.475E+02	0.485E+02	0.197E+02	0.160E+02	0.160E+02
2X8	0.109E+02	0.709E+01	0.476E+02	0.204E+01	0.906E+01	0.906E+01
2X4X4	0.245E+02	0.687E+02	0.100E+03	0.250E+02	0.204E+02	0.204E+02

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	MAT LABEL	ADDITIONAL MASS PER LENGTH	ADDITIONAL WEIGHT PER LENGTH
4X4	WOOD	0.000E+00	0.000E+00
2X2X4	WOOD	0.000E+00	0.000E+00
4X6	WOOD	0.000E+00	0.000E+00
2X8	WOOD	0.000E+00	0.000E+00
2X4X4	WOOD	0.000E+00	0.000E+00

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F R A M E E L E M E N T D A T A

ELEMENT JOINT JOINT ELEMENT END-OFFSET-LENGTHS RIGID-END NUMBER OF

LABEL	END-I	END-J	LENGTH	END-I	END-J	FACTOR	SEGMENTS
3	G1	H1	48.000	0.000	0.000	0.0000	2
5	I1	J1	48.000	0.000	0.000	0.0000	2
7	K1	L1	48.000	0.000	0.000	0.0000	2
8	L1	M1	48.000	0.000	0.000	0.0000	2
10	N1	O1	63.000	0.000	0.000	0.0000	2
11	O1	P1	21.000	0.000	0.000	0.0000	2
12	D1	F2	103.966	0.000	0.000	0.0000	2
13	F1	F2	72.000	0.000	0.000	0.0000	4
14	G1	G2	72.000	0.000	0.000	0.0000	4
15	H1	H2	72.000	0.000	0.000	0.0000	4
16	I1	I2	72.000	0.000	0.000	0.0000	4
17	J1	J2	72.000	0.000	0.000	0.0000	4
18	K1	K2	72.000	0.000	0.000	0.0000	4
19	L1	L2	72.000	0.000	0.000	0.0000	4
20	M1	M2	72.000	0.000	0.000	0.0000	4
21	N1	N2	72.000	0.000	0.000	0.0000	4
22	O1	N2	95.671	0.000	0.000	0.0000	2
23	P1	P2	72.000	0.000	0.000	0.0000	4
26	G2	H2	48.000	0.000	0.000	0.0000	2
28	I2	J2	48.000	0.000	0.000	0.0000	2
30	K2	L2	48.000	0.000	0.000	0.0000	2
31	L2	M2	48.000	0.000	0.000	0.0000	2
33	N2	P2	84.000	0.000	0.000	0.0000	2
34	F2	F3	72.000	0.000	0.000	0.0000	4
35	G2	F3	86.533	0.000	0.000	0.0000	2
36	F2	H3	120.000	0.000	0.000	0.0000	2
37	G2	G3	72.000	0.000	0.000	0.0000	4
38	H2	H3	72.000	0.000	0.000	0.0000	4
39	H2	I3	86.533	0.000	0.000	0.0000	2
40	I2	I3	72.000	0.000	0.000	0.0000	4
41	J2	J3	72.000	0.000	0.000	0.0000	4
42	J3	K2	86.533	0.000	0.000	0.0000	2
43	K2	K3	72.000	0.000	0.000	0.0000	4
44	L2	L3	72.000	0.000	0.000	0.0000	4
45	M2	L3	86.533	0.000	0.000	0.0000	2
46	M2	M3	72.000	0.000	0.000	0.0000	4
47	N2	N3	72.000	0.000	0.000	0.0000	4
48	P2	P3	72.000	0.000	0.000	0.0000	4
51	G3	H3	48.000	0.000	0.000	0.0000	2
53	I3	J3	48.000	0.000	0.000	0.0000	2
55	K3	L3	48.000	0.000	0.000	0.0000	2
56	L3	M3	48.000	0.000	0.000	0.0000	2
58	N3	P3	84.000	0.000	0.000	0.0000	2
59	F3	F4	72.000	0.000	0.000	0.0000	4
60	G3	G4	72.000	0.000	0.000	0.0000	4
61	H3	H4	72.000	0.000	0.000	0.0000	4
62	H3	J4	120.000	0.000	0.000	0.0000	2
63	I3	I4	72.000	0.000	0.000	0.0000	4
64	J3	J4	72.000	0.000	0.000	0.0000	4
65	L3	J4	120.000	0.000	0.000	0.0000	2
66	K3	K4	72.000	0.000	0.000	0.0000	4
67	L3	L4	72.000	0.000	0.000	0.0000	4
69	M3	M4	72.000	0.000	0.000	0.0000	4
70	N3	N4	72.000	0.000	0.000	0.0000	4
71	P3	P4	72.000	0.000	0.000	0.0000	4
74	G4	H4	48.000	0.000	0.000	0.0000	2
76	I4	J4	48.000	0.000	0.000	0.0000	2
78	K4	L4	48.000	0.000	0.000	0.0000	2
79	L4	M4	48.000	0.000	0.000	0.0000	2
81	N4	P4	84.000	0.000	0.000	0.0000	2
82	J4	1	60.000	0.000	0.000	0.0000	2

83	L4	1	60.000	0.000	0.000	0.0000	2
84	F4	F5	72.000	0.000	0.000	0.0000	4
85	G4	G5	72.000	0.000	0.000	0.0000	4
86	H4	H5	72.000	0.000	0.000	0.0000	4
87	J4	H5	120.000	0.000	0.000	0.0000	2
88	I4	I5	72.000	0.000	0.000	0.0000	4
89	J4	J5	72.000	0.000	0.000	0.0000	4
90	K4	K5	72.000	0.000	0.000	0.0000	4
91	L4	L5	72.000	0.000	0.000	0.0000	4
92	M4	M5	72.000	0.000	0.000	0.0000	4
93	N4	N5	72.000	0.000	0.000	0.0000	4
94	P4	P5	72.000	0.000	0.000	0.0000	4
95	1	J5	60.000	0.000	0.000	0.0000	2
96	1	L5	60.000	0.000	0.000	0.0000	2
99	G5	H5	48.000	0.000	0.000	0.0000	2
101	I5	J5	48.000	0.000	0.000	0.0000	2
103	K5	L5	48.000	0.000	0.000	0.0000	2
104	L5	M5	48.000	0.000	0.000	0.0000	2
106	N5	P5	84.000	0.000	0.000	0.0000	2
107	F5	F6	72.000	0.000	0.000	0.0000	4
108	F5	G6	86.533	0.000	0.000	0.0000	2
109	H5	F6	120.000	0.000	0.000	0.0000	2
110	G5	G6	72.000	0.000	0.000	0.0000	4
111	H5	H6	72.000	0.000	0.000	0.0000	4
112	J5	H6	120.000	0.000	0.000	0.0000	2
113	I5	I6	72.000	0.000	0.000	0.0000	4
114	J5	J6	72.000	0.000	0.000	0.0000	4
115	K5	K6	72.000	0.000	0.000	0.0000	4
116	L5	L6	72.000	0.000	0.000	0.0000	4
117	L5	M6	86.533	0.000	0.000	0.0000	2
118	M5	M6	72.000	0.000	0.000	0.0000	4
119	N5	N6	72.000	0.000	0.000	0.0000	4
120	P5	P6	72.000	0.000	0.000	0.0000	4
123	G6	H6	48.000	0.000	0.000	0.0000	2
125	I6	J6	48.000	0.000	0.000	0.0000	2
127	K6	L6	48.000	0.000	0.000	0.0000	2
128	L6	M6	48.000	0.000	0.000	0.0000	2
130	N6	P6	84.000	0.000	0.000	0.0000	2
131	F6	D7	103.966	0.000	0.000	0.0000	2
132	F6	F7	72.000	0.000	0.000	0.0000	4
133	H6	F7	120.000	0.000	0.000	0.0000	2
134	G6	G7	72.000	0.000	0.000	0.0000	4
135	H6	H7	72.000	0.000	0.000	0.0000	4
136	I6	H7	86.533	0.000	0.000	0.0000	2
137	I6	I7	72.000	0.000	0.000	0.0000	4
138	J6	J7	72.000	0.000	0.000	0.0000	4
139	J6	K7	86.533	0.000	0.000	0.0000	2
140	K6	K7	72.000	0.000	0.000	0.0000	4
141	L6	L7	72.000	0.000	0.000	0.0000	4
142	M6	M7	72.000	0.000	0.000	0.0000	4
143	N6	N7	72.000	0.000	0.000	0.0000	4
144	N6	O7	95.671	0.000	0.000	0.0000	2
145	P6	P7	72.000	0.000	0.000	0.0000	4
148	G7	H7	48.000	0.000	0.000	0.0000	2
150	I7	J7	48.000	0.000	0.000	0.0000	2
152	K7	L7	48.000	0.000	0.000	0.0000	2
153	L7	M7	48.000	0.000	0.000	0.0000	2
155	N7	O7	63.000	0.000	0.000	0.0000	2
156	O7	P7	21.000	0.000	0.000	0.0000	2
157	F7	D8	103.966	0.000	0.000	0.0000	2
158	F7	F8	72.000	0.000	0.000	0.0000	4
159	G7	G8	72.000	0.000	0.000	0.0000	4
160	H7	H8	72.000	0.000	0.000	0.0000	4

161	I7	I8	72.000	0.000	0.000	0.0000	4
162	J7	J8	72.000	0.000	0.000	0.0000	4
163	K7	K8	72.000	0.000	0.000	0.0000	4
164	L7	L8	72.000	0.000	0.000	0.0000	4
165	M7	M8	72.000	0.000	0.000	0.0000	4
166	N7	N8	72.000	0.000	0.000	0.0000	4
167	P7	P8	72.000	0.000	0.000	0.0000	4
170	G8	H8	48.000	0.000	0.000	0.0000	2
172	I8	J8	48.000	0.000	0.000	0.0000	2
174	K8	L8	48.000	0.000	0.000	0.0000	2
175	L8	M8	48.000	0.000	0.000	0.0000	2
177	N8	P8	84.000	0.000	0.000	0.0000	2
178	D8	F9	103.966	0.000	0.000	0.0000	2
179	F8	F9	72.000	0.000	0.000	0.0000	4
180	G8	G9	72.000	0.000	0.000	0.0000	4
181	H8	H9	72.000	0.000	0.000	0.0000	4
182	I8	I9	72.000	0.000	0.000	0.0000	4
183	J8	J9	72.000	0.000	0.000	0.0000	4
184	K8	K9	72.000	0.000	0.000	0.0000	4
185	L8	L9	72.000	0.000	0.000	0.0000	4
186	M8	M9	72.000	0.000	0.000	0.0000	4
187	N8	N9	72.000	0.000	0.000	0.0000	4
188	P8	P9	72.000	0.000	0.000	0.0000	4
191	G9	H9	48.000	0.000	0.000	0.0000	2
193	I9	J9	48.000	0.000	0.000	0.0000	2
195	K9	L9	48.000	0.000	0.000	0.0000	2
196	L9	M9	48.000	0.000	0.000	0.0000	2
198	N9	O9	63.000	0.000	0.000	0.0000	2
199	O9	P9	21.000	0.000	0.000	0.0000	2
200	D9	F10	103.966	0.000	0.000	0.0000	2
201	F9	F10	72.000	0.000	0.000	0.0000	4
202	G9	F10	86.533	0.000	0.000	0.0000	2
203	F9	H10	120.000	0.000	0.000	0.0000	2
204	G9	G10	72.000	0.000	0.000	0.0000	4
205	H9	H10	72.000	0.000	0.000	0.0000	4
206	I9	H10	86.533	0.000	0.000	0.0000	2
207	I9	I10	72.000	0.000	0.000	0.0000	4
208	J9	J10	72.000	0.000	0.000	0.0000	4
209	K9	J10	86.533	0.000	0.000	0.0000	2
210	K9	K10	72.000	0.000	0.000	0.0000	4
211	L9	L10	72.000	0.000	0.000	0.0000	4
212	M9	M10	72.000	0.000	0.000	0.0000	4
213	N9	N10	72.000	0.000	0.000	0.0000	4
214	O9	N10	95.671	0.000	0.000	0.0000	2
215	P9	P10	72.000	0.000	0.000	0.0000	4
218	G10	H10	48.000	0.000	0.000	0.0000	2
220	I10	J10	48.000	0.000	0.000	0.0000	2
222	K10	L10	48.000	0.000	0.000	0.0000	2
223	L10	M10	48.000	0.000	0.000	0.0000	2
225	N10	P10	84.000	0.000	0.000	0.0000	2
226	F10	F11	72.000	0.000	0.000	0.0000	4
227	F10	H11	120.000	0.000	0.000	0.0000	2
228	G10	G11	72.000	0.000	0.000	0.0000	4
229	H10	H11	72.000	0.000	0.000	0.0000	4
230	H10	J11	120.000	0.000	0.000	0.0000	2
231	I10	I11	72.000	0.000	0.000	0.0000	4
232	J10	J11	72.000	0.000	0.000	0.0000	4
233	K10	K11	72.000	0.000	0.000	0.0000	4
234	L10	L11	72.000	0.000	0.000	0.0000	4
235	M10	L11	86.533	0.000	0.000	0.0000	2
236	M10	M11	72.000	0.000	0.000	0.0000	4
237	N10	N11	72.000	0.000	0.000	0.0000	4
238	P10	P11	72.000	0.000	0.000	0.0000	4

241	G11	H11	48.000	0.000	0.000	0.0000	2
243	I11	J11	48.000	0.000	0.000	0.0000	2
245	K11	L11	48.000	0.000	0.000	0.0000	2
246	L11	M11	48.000	0.000	0.000	0.0000	2
248	N11	P11	84.000	0.000	0.000	0.0000	2
249	J11	2	60.000	0.000	0.000	0.0000	2
250	L11	2	60.000	0.000	0.000	0.0000	2
251	F11	F12	72.000	0.000	0.000	0.0000	4
252	G11	G12	72.000	0.000	0.000	0.0000	4
253	H11	H12	72.000	0.000	0.000	0.0000	4
254	H11	J12	120.000	0.000	0.000	0.0000	2
255	I11	I12	72.000	0.000	0.000	0.0000	4
256	J11	J12	72.000	0.000	0.000	0.0000	4
257	K11	K12	72.000	0.000	0.000	0.0000	4
258	L11	L12	72.000	0.000	0.000	0.0000	4
259	M11	M12	72.000	0.000	0.000	0.0000	4
260	N11	N12	72.000	0.000	0.000	0.0000	4
261	P11	P12	72.000	0.000	0.000	0.0000	4
262	2	J12	60.000	0.000	0.000	0.0000	2
263	2	L12	60.000	0.000	0.000	0.0000	2
266	G12	H12	48.000	0.000	0.000	0.0000	2
268	I12	J12	48.000	0.000	0.000	0.0000	2
270	K12	L12	48.000	0.000	0.000	0.0000	2
271	L12	M12	48.000	0.000	0.000	0.0000	2
273	N12	P12	84.000	0.000	0.000	0.0000	2
274	F12	F13	72.000	0.000	0.000	0.0000	4
275	G12	G13	72.000	0.000	0.000	0.0000	4
276	H12	H13	72.000	0.000	0.000	0.0000	4
277	J12	H13	120.000	0.000	0.000	0.0000	2
278	I12	I13	72.000	0.000	0.000	0.0000	4
279	J12	J13	72.000	0.000	0.000	0.0000	4
280	J12	L13	120.000	0.000	0.000	0.0000	2
281	K12	K13	72.000	0.000	0.000	0.0000	4
282	L12	L13	72.000	0.000	0.000	0.0000	4
283	L12	M13	86.533	0.000	0.000	0.0000	2
284	M12	M13	72.000	0.000	0.000	0.0000	4
285	N12	N13	72.000	0.000	0.000	0.0000	4
286	P12	P13	72.000	0.000	0.000	0.0000	4
289	G13	H13	48.000	0.000	0.000	0.0000	2
291	I13	J13	48.000	0.000	0.000	0.0000	2
293	K13	L13	48.000	0.000	0.000	0.0000	2
294	L13	M13	48.000	0.000	0.000	0.0000	2
296	N13	P13	84.000	0.000	0.000	0.0000	2
297	F13	F14	72.000	0.000	0.000	0.0000	4
298	F13	G14	86.533	0.000	0.000	0.0000	2
299	H13	F14	120.000	0.000	0.000	0.0000	2
300	G13	G14	72.000	0.000	0.000	0.0000	4
301	H13	H14	72.000	0.000	0.000	0.0000	4
302	H13	I14	86.533	0.000	0.000	0.0000	2
303	I13	I14	72.000	0.000	0.000	0.0000	4
304	J13	J14	72.000	0.000	0.000	0.0000	4
305	J13	K14	86.533	0.000	0.000	0.0000	2
306	K13	K14	72.000	0.000	0.000	0.0000	4
307	L13	L14	72.000	0.000	0.000	0.0000	4
308	L13	M14	86.533	0.000	0.000	0.0000	2
309	M13	M14	72.000	0.000	0.000	0.0000	4
310	N13	N14	72.000	0.000	0.000	0.0000	4
311	P13	P14	72.000	0.000	0.000	0.0000	4
314	G14	H14	48.000	0.000	0.000	0.0000	2
316	I14	J14	48.000	0.000	0.000	0.0000	2
318	K14	L14	48.000	0.000	0.000	0.0000	2
319	L14	M14	48.000	0.000	0.000	0.0000	2
321	N14	P14	84.000	0.000	0.000	0.0000	2

322	F14	D15	103.966	0.000	0.000	0.0000	2
323	F14	F15	72.000	0.000	0.000	0.0000	4
324	G14	G15	72.000	0.000	0.000	0.0000	4
325	H14	H15	72.000	0.000	0.000	0.0000	4
326	I14	I15	72.000	0.000	0.000	0.0000	4
327	J14	J15	72.000	0.000	0.000	0.0000	4
328	K14	K15	72.000	0.000	0.000	0.0000	4
329	L14	L15	72.000	0.000	0.000	0.0000	4
330	M14	M15	72.000	0.000	0.000	0.0000	4
331	N14	N15	72.000	0.000	0.000	0.0000	4
332	N14	O15	95.671	0.000	0.000	0.0000	2
333	P14	P15	72.000	0.000	0.000	0.0000	4
336	G15	H15	48.000	0.000	0.000	0.0000	2
338	I15	J15	48.000	0.000	0.000	0.0000	2
340	K15	L15	48.000	0.000	0.000	0.0000	2
341	L15	M15	48.000	0.000	0.000	0.0000	2
343	N15	O15	63.000	0.000	0.000	0.0000	2
344	O15	P15	21.000	0.000	0.000	0.0000	2
346	D1	1FIL1	18.250	0.000	0.000	0.0000	2
347	1FIL1	F1	56.750	0.000	0.000	0.0000	2
348	D2	1FIL2	18.250	0.000	0.000	0.0000	2
349	1FIL2	F2	56.750	0.000	0.000	0.0000	2
350	D3	1FIL3	18.250	0.000	0.000	0.0000	2
351	1FIL3	F3	56.750	0.000	0.000	0.0000	2
352	D4	1FIL4	18.250	0.000	0.000	0.0000	2
353	1FIL4	F4	56.750	0.000	0.000	0.0000	2
354	D5	1FIL5	18.250	0.000	0.000	0.0000	2
355	1FIL5	F5	56.750	0.000	0.000	0.0000	2
356	D6	1FIL6	18.250	0.000	0.000	0.0000	2
357	1FIL6	F6	56.750	0.000	0.000	0.0000	2
358	D7	1FIL7	18.250	0.000	0.000	0.0000	2
359	1FIL7	F7	56.750	0.000	0.000	0.0000	2
360	D8	1FIL8	18.250	0.000	0.000	0.0000	2
361	1FIL8	F8	56.750	0.000	0.000	0.0000	2
362	D9	1FIL9	18.250	0.000	0.000	0.0000	2
363	1FIL9	F9	56.750	0.000	0.000	0.0000	2
364	D10	1FIL10	18.250	0.000	0.000	0.0000	2
365	1FIL10	F10	56.750	0.000	0.000	0.0000	2
366	D11	1FIL11	18.250	0.000	0.000	0.0000	2
367	1FIL11	F11	56.750	0.000	0.000	0.0000	2
368	D12	1FIL12	18.250	0.000	0.000	0.0000	2
369	1FIL12	F12	56.750	0.000	0.000	0.0000	2
370	D13	1FIL13	18.250	0.000	0.000	0.0000	2
371	1FIL13	F13	56.750	0.000	0.000	0.0000	2
372	D14	1FIL14	18.250	0.000	0.000	0.0000	2
373	1FIL14	F14	56.750	0.000	0.000	0.0000	2
374	D15	1FIL15	18.250	0.000	0.000	0.0000	2
375	1FIL15	F15	56.750	0.000	0.000	0.0000	2
391	F1	2FIL1	24.000	0.000	0.000	0.0000	2
392	2FIL1	G1	24.000	0.000	0.000	0.0000	2
393	F2	2FIL2	24.000	0.000	0.000	0.0000	2
394	2FIL2	G2	24.000	0.000	0.000	0.0000	2
395	F3	2FIL3	24.000	0.000	0.000	0.0000	2
396	2FIL3	G3	24.000	0.000	0.000	0.0000	2
397	F4	2FIL4	24.000	0.000	0.000	0.0000	2
398	2FIL4	G4	24.000	0.000	0.000	0.0000	2
399	F5	2FIL5	24.000	0.000	0.000	0.0000	2
400	2FIL5	G5	24.000	0.000	0.000	0.0000	2
401	F6	2FIL6	24.000	0.000	0.000	0.0000	2
402	2FIL6	G6	24.000	0.000	0.000	0.0000	2
403	F7	2FIL7	24.000	0.000	0.000	0.0000	2
404	2FIL7	G7	24.000	0.000	0.000	0.0000	2
405	F8	2FIL8	24.000	0.000	0.000	0.0000	2

406	2FIL8	G8	24.000	0.000	0.000	0.0000	2
407	F9	2FIL9	24.000	0.000	0.000	0.0000	2
408	2FIL9	G9	24.000	0.000	0.000	0.0000	2
409	F10	2FIL10	24.000	0.000	0.000	0.0000	2
410	2FIL10	G10	24.000	0.000	0.000	0.0000	2
411	F11	2FIL11	24.000	0.000	0.000	0.0000	2
412	2FIL11	G11	24.000	0.000	0.000	0.0000	2
413	F12	2FIL12	24.000	0.000	0.000	0.0000	2
414	2FIL12	G12	24.000	0.000	0.000	0.0000	2
415	F13	2FIL13	24.000	0.000	0.000	0.0000	2
416	2FIL13	G13	24.000	0.000	0.000	0.0000	2
417	F14	2FIL14	24.000	0.000	0.000	0.0000	2
418	2FIL14	G14	24.000	0.000	0.000	0.0000	2
419	F15	2FIL15	24.000	0.000	0.000	0.0000	2
420	2FIL15	G15	24.000	0.000	0.000	0.0000	2
437	H1	3FIL1	24.000	0.000	0.000	0.0000	2
438	3FIL1	I1	24.000	0.000	0.000	0.0000	2
439	H2	3FIL2	24.000	0.000	0.000	0.0000	2
440	3FIL2	I2	24.000	0.000	0.000	0.0000	2
441	H3	3FIL3	24.000	0.000	0.000	0.0000	2
442	3FIL3	I3	24.000	0.000	0.000	0.0000	2
443	H4	3FIL4	24.000	0.000	0.000	0.0000	2
444	3FIL4	I4	24.000	0.000	0.000	0.0000	2
445	H5	3FIL5	24.000	0.000	0.000	0.0000	2
446	3FIL5	I5	24.000	0.000	0.000	0.0000	2
447	H6	3FIL6	24.000	0.000	0.000	0.0000	2
448	3FIL6	I6	24.000	0.000	0.000	0.0000	2
449	H7	3FIL7	24.000	0.000	0.000	0.0000	2
450	3FIL7	I7	24.000	0.000	0.000	0.0000	2
451	H8	3FIL8	24.000	0.000	0.000	0.0000	2
452	3FIL8	I8	24.000	0.000	0.000	0.0000	2
453	H9	3FIL9	24.000	0.000	0.000	0.0000	2
454	3FIL9	I9	24.000	0.000	0.000	0.0000	2
455	H10	3FIL10	24.000	0.000	0.000	0.0000	2
456	3FIL10	I10	24.000	0.000	0.000	0.0000	2
457	H11	3FIL11	24.000	0.000	0.000	0.0000	2
458	3FIL11	I11	24.000	0.000	0.000	0.0000	2
459	H12	3FIL12	24.000	0.000	0.000	0.0000	2
460	3FIL12	I12	24.000	0.000	0.000	0.0000	2
461	H13	3FIL13	24.000	0.000	0.000	0.0000	2
462	3FIL13	I13	24.000	0.000	0.000	0.0000	2
463	H14	3FIL14	24.000	0.000	0.000	0.0000	2
464	3FIL14	I14	24.000	0.000	0.000	0.0000	2
465	H15	3FIL15	24.000	0.000	0.000	0.0000	2
466	3FIL15	I15	24.000	0.000	0.000	0.0000	2
482	J1	4FIL1	24.000	0.000	0.000	0.0000	2
483	4FIL1	K1	24.000	0.000	0.000	0.0000	2
484	J2	4FIL2	24.000	0.000	0.000	0.0000	2
485	4FIL2	K2	24.000	0.000	0.000	0.0000	2
486	J3	4FIL3	24.000	0.000	0.000	0.0000	2
487	4FIL3	K3	24.000	0.000	0.000	0.0000	2
488	J4	4FIL4	24.000	0.000	0.000	0.0000	2
489	4FIL4	K4	24.000	0.000	0.000	0.0000	2
490	J5	4FIL5	24.000	0.000	0.000	0.0000	2
491	4FIL5	K5	24.000	0.000	0.000	0.0000	2
492	J6	4FIL6	24.000	0.000	0.000	0.0000	2
493	4FIL6	K6	24.000	0.000	0.000	0.0000	2
494	J7	4FIL7	24.000	0.000	0.000	0.0000	2
495	4FIL7	K7	24.000	0.000	0.000	0.0000	2
496	J8	4FIL8	24.000	0.000	0.000	0.0000	2
497	4FIL8	K8	24.000	0.000	0.000	0.0000	2
498	J9	4FIL9	24.000	0.000	0.000	0.0000	2
499	4FIL9	K9	24.000	0.000	0.000	0.0000	2

500	J10	4FIL10	24.000	0.000	0.000	0.0000	2
501	4FIL10	K10	24.000	0.000	0.000	0.0000	2
502	J11	4FIL11	24.000	0.000	0.000	0.0000	2
503	4FIL11	K11	24.000	0.000	0.000	0.0000	2
504	J12	4FIL12	24.000	0.000	0.000	0.0000	2
505	4FIL12	K12	24.000	0.000	0.000	0.0000	2
506	J13	4FIL13	24.000	0.000	0.000	0.0000	2
507	4FIL13	K13	24.000	0.000	0.000	0.0000	2
508	J14	4FIL14	24.000	0.000	0.000	0.0000	2
509	4FIL14	K14	24.000	0.000	0.000	0.0000	2
510	J15	4FIL15	24.000	0.000	0.000	0.0000	2
511	4FIL15	K15	24.000	0.000	0.000	0.0000	2
527	M1	5FIL1	10.437	0.000	0.000	0.0000	2
528	5FIL1	N1	4.563	0.000	0.000	0.0000	2
529	M2	5FIL2	10.437	0.000	0.000	0.0000	2
530	5FIL2	N2	4.563	0.000	0.000	0.0000	2
531	M3	5FIL3	10.437	0.000	0.000	0.0000	2
532	5FIL3	N3	4.563	0.000	0.000	0.0000	2
533	M4	5FIL4	10.437	0.000	0.000	0.0000	2
534	5FIL4	N4	4.563	0.000	0.000	0.0000	2
535	M5	5FIL5	10.437	0.000	0.000	0.0000	2
536	5FIL5	N5	4.563	0.000	0.000	0.0000	2
537	M6	5FIL6	10.437	0.000	0.000	0.0000	2
538	5FIL6	N6	4.563	0.000	0.000	0.0000	2
539	M7	5FIL7	10.437	0.000	0.000	0.0000	2
540	5FIL7	N7	4.563	0.000	0.000	0.0000	2
541	M8	5FIL8	10.437	0.000	0.000	0.0000	2
542	5FIL8	N8	4.563	0.000	0.000	0.0000	2
543	M9	5FIL9	10.437	0.000	0.000	0.0000	2
544	5FIL9	N9	4.563	0.000	0.000	0.0000	2
545	M10	5FIL10	10.437	0.000	0.000	0.0000	2
546	5FIL10	N10	4.563	0.000	0.000	0.0000	2
547	M11	5FIL11	10.437	0.000	0.000	0.0000	2
548	5FIL11	N11	4.563	0.000	0.000	0.0000	2
549	M12	5FIL12	10.437	0.000	0.000	0.0000	2
550	5FIL12	N12	4.563	0.000	0.000	0.0000	2
551	M13	5FIL13	10.437	0.000	0.000	0.0000	2
552	5FIL13	N13	4.563	0.000	0.000	0.0000	2
553	M14	5FIL14	10.437	0.000	0.000	0.0000	2
554	5FIL14	N14	4.563	0.000	0.000	0.0000	2
555	M15	5FIL15	10.437	0.000	0.000	0.0000	2
556	5FIL15	N15	4.563	0.000	0.000	0.0000	2

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PROGRAM:SAP2000/FILE:\BentCSeismic.EKO

F R A M E E L E M E N T D A T A

ELEMENT LABEL	SECTION LABEL	LOCAL PLANE	COORD SYSTEM	PLN 1ST	PLN 2ND	PLANE JOINTA	PLANE JOINTB	COORD ANGLE
3	2X4X4	12	0	+Z	+X	0	0	0.00
5	4X4	12	0	+Z	+X	0	0	0.00
7	4X4	12	0	+Z	+X	0	0	0.00
8	4X4	12	0	+Z	+X	0	0	0.00
10	4X4	12	0	+Z	+X	0	0	0.00
11	4X4	12	0	+Z	+X	0	0	0.00
12	4X6	12	0	+Z	+X	0	0	0.00
13	2X2X4	12	0	+Z	+X	0	0	0.00
14	2X2X4	12	0	+Z	+X	0	0	0.00
15	2X2X4	12	0	+Z	+X	0	0	0.00

16	2X2X4	12	0	+Z	+X	0	0	0.00
17	2X2X4	12	0	+Z	+X	0	0	0.00
18	2X2X4	12	0	+Z	+X	0	0	0.00
19	2X2X4	12	0	+Z	+X	0	0	0.00
20	2X2X4	12	0	+Z	+X	0	0	0.00
21	2X2X4	12	0	+Z	+X	0	0	0.00
22	4X4	12	0	+Z	+X	0	0	0.00
23	2X8	12	0	+Z	+X	0	0	0.00
26	2X4X4	12	0	+Z	+X	0	0	0.00
28	4X4	12	0	+Z	+X	0	0	0.00
30	4X4	12	0	+Z	+X	0	0	0.00
31	4X4	12	0	+Z	+X	0	0	0.00
33	4X4	12	0	+Z	+X	0	0	0.00
34	2X2X4	12	0	+Z	+X	0	0	0.00
35	2X2X4	12	0	+Z	+X	0	0	0.00
36	4X6	12	0	+Z	+X	0	0	0.00
37	2X2X4	12	0	+Z	+X	0	0	0.00
38	2X2X4	12	0	+Z	+X	0	0	0.00
39	2X2X4	12	0	+Z	+X	0	0	0.00
40	2X2X4	12	0	+Z	+X	0	0	0.00
41	2X2X4	12	0	+Z	+X	0	0	0.00
42	2X2X4	12	0	+Z	+X	0	0	0.00
43	2X2X4	12	0	+Z	+X	0	0	0.00
44	2X2X4	12	0	+Z	+X	0	0	0.00
45	4X4	12	0	+Z	+X	0	0	0.00
46	2X2X4	12	0	+Z	+X	0	0	0.00
47	2X2X4	12	0	+Z	+X	0	0	0.00
48	2X8	12	0	+Z	+X	0	0	0.00
51	2X4X4	12	0	+Z	+X	0	0	0.00
53	4X4	12	0	+Z	+X	0	0	0.00
55	4X4	12	0	+Z	+X	0	0	0.00
56	4X4	12	0	+Z	+X	0	0	0.00
58	4X4	12	0	+Z	+X	0	0	0.00
59	2X2X4	12	0	+Z	+X	0	0	0.00
60	2X2X4	12	0	+Z	+X	0	0	0.00
61	2X2X4	12	0	+Z	+X	0	0	0.00
62	4X6	12	0	+Z	+X	0	0	0.00
63	2X2X4	12	0	+Z	+X	0	0	0.00
64	2X2X4	12	0	+Z	+X	0	0	0.00
65	4X6	12	0	+Z	+X	0	0	0.00
66	2X2X4	12	0	+Z	+X	0	0	0.00
67	2X2X4	12	0	+Z	+X	0	0	0.00
69	2X2X4	12	0	+Z	+X	0	0	0.00
70	2X2X4	12	0	+Z	+X	0	0	0.00
71	2X8	12	0	+Z	+X	0	0	0.00
74	2X4X4	12	0	+Z	+X	0	0	0.00
76	4X4	12	0	+Z	+X	0	0	0.00
78	4X4	12	0	+Z	+X	0	0	0.00
79	4X4	12	0	+Z	+X	0	0	0.00
81	4X4	12	0	+Z	+X	0	0	0.00
82	4X6	12	0	+Z	+X	0	0	0.00
83	4X6	12	0	+Z	+X	0	0	0.00
84	2X2X4	12	0	+Z	+X	0	0	0.00
85	2X2X4	12	0	+Z	+X	0	0	0.00
86	2X2X4	12	0	+Z	+X	0	0	0.00
87	4X6	12	0	+Z	+X	0	0	0.00
88	2X2X4	12	0	+Z	+X	0	0	0.00
89	2X2X4	12	0	+Z	+X	0	0	0.00
90	2X2X4	12	0	+Z	+X	0	0	0.00
91	2X2X4	12	0	+Z	+X	0	0	0.00
92	2X2X4	12	0	+Z	+X	0	0	0.00
93	2X2X4	12	0	+Z	+X	0	0	0.00
94	2X8	12	0	+Z	+X	0	0	0.00

95	4X6	12	0	+Z	+X	0	0	0.00
96	4X6	12	0	+Z	+X	0	0	0.00
99	2X4X4	12	0	+Z	+X	0	0	0.00
101	4X4	12	0	+Z	+X	0	0	0.00
103	4X4	12	0	+Z	+X	0	0	0.00
104	4X4	12	0	+Z	+X	0	0	0.00
106	4X4	12	0	+Z	+X	0	0	0.00
107	2X2X4	12	0	+Z	+X	0	0	0.00
108	2X2X4	12	0	+Z	+X	0	0	0.00
109	4X6	12	0	+Z	+X	0	0	0.00
110	2X2X4	12	0	+Z	+X	0	0	0.00
111	2X2X4	12	0	+Z	+X	0	0	0.00
112	4X6	12	0	+Z	+X	0	0	0.00
113	2X2X4	12	0	+Z	+X	0	0	0.00
114	2X2X4	12	0	+Z	+X	0	0	0.00
115	2X2X4	12	0	+Z	+X	0	0	0.00
116	2X2X4	12	0	+Z	+X	0	0	0.00
117	4X4	12	0	+Z	+X	0	0	0.00
118	2X2X4	12	0	+Z	+X	0	0	0.00
119	2X2X4	12	0	+Z	+X	0	0	0.00
120	2X8	12	0	+Z	+X	0	0	0.00
123	2X4X4	12	0	+Z	+X	0	0	0.00
125	4X4	12	0	+Z	+X	0	0	0.00
127	4X4	12	0	+Z	+X	0	0	0.00
128	4X4	12	0	+Z	+X	0	0	0.00
130	4X4	12	0	+Z	+X	0	0	0.00
131	4X6	12	0	+Z	+X	0	0	0.00
132	2X2X4	12	0	+Z	+X	0	0	0.00
133	4X6	12	0	+Z	+X	0	0	0.00
134	2X2X4	12	0	+Z	+X	0	0	0.00
135	2X2X4	12	0	+Z	+X	0	0	0.00
136	2X2X4	12	0	+Z	+X	0	0	0.00
137	2X2X4	12	0	+Z	+X	0	0	0.00
138	2X2X4	12	0	+Z	+X	0	0	0.00
139	2X2X4	12	0	+Z	+X	0	0	0.00
140	2X2X4	12	0	+Z	+X	0	0	0.00
141	2X2X4	12	0	+Z	+X	0	0	0.00
142	2X2X4	12	0	+Z	+X	0	0	0.00
143	2X2X4	12	0	+Z	+X	0	0	0.00
144	4X4	12	0	+Z	+X	0	0	0.00
145	2X8	12	0	+Z	+X	0	0	0.00
148	2X4X4	12	0	+Z	+X	0	0	0.00
150	4X4	12	0	+Z	+X	0	0	0.00
152	4X4	12	0	+Z	+X	0	0	0.00
153	4X4	12	0	+Z	+X	0	0	0.00
155	4X4	12	0	+Z	+X	0	0	0.00
156	4X4	12	0	+Z	+X	0	0	0.00
157	4X6	12	0	+Z	+X	0	0	0.00
158	2X2X4	12	0	+Z	+X	0	0	0.00
159	2X2X4	12	0	+Z	+X	0	0	0.00
160	2X2X4	12	0	+Z	+X	0	0	0.00
161	2X2X4	12	0	+Z	+X	0	0	0.00
162	2X2X4	12	0	+Z	+X	0	0	0.00
163	2X2X4	12	0	+Z	+X	0	0	0.00
164	2X2X4	12	0	+Z	+X	0	0	0.00
165	2X2X4	12	0	+Z	+X	0	0	0.00
166	2X2X4	12	0	+Z	+X	0	0	0.00
167	2X8	12	0	+Z	+X	0	0	0.00
170	2X4X4	12	0	+Z	+X	0	0	0.00
172	4X4	12	0	+Z	+X	0	0	0.00
174	4X4	12	0	+Z	+X	0	0	0.00
175	4X4	12	0	+Z	+X	0	0	0.00
177	4X4	12	0	+Z	+X	0	0	0.00

178	4X6	12	0	+Z	+X	0	0	0.00
179	2X2X4	12	0	+Z	+X	0	0	0.00
180	2X2X4	12	0	+Z	+X	0	0	0.00
181	2X2X4	12	0	+Z	+X	0	0	0.00
182	2X2X4	12	0	+Z	+X	0	0	0.00
183	2X2X4	12	0	+Z	+X	0	0	0.00
184	2X2X4	12	0	+Z	+X	0	0	0.00
185	2X2X4	12	0	+Z	+X	0	0	0.00
186	2X2X4	12	0	+Z	+X	0	0	0.00
187	2X2X4	12	0	+Z	+X	0	0	0.00
188	2X8	12	0	+Z	+X	0	0	0.00
191	2X4X4	12	0	+Z	+X	0	0	0.00
193	4X4	12	0	+Z	+X	0	0	0.00
195	4X4	12	0	+Z	+X	0	0	0.00
196	4X4	12	0	+Z	+X	0	0	0.00
198	4X4	12	0	+Z	+X	0	0	0.00
199	4X4	12	0	+Z	+X	0	0	0.00
200	4X6	12	0	+Z	+X	0	0	0.00
201	2X2X4	12	0	+Z	+X	0	0	0.00
202	2X2X4	12	0	+Z	+X	0	0	0.00
203	4X6	12	0	+Z	+X	0	0	0.00
204	2X2X4	12	0	+Z	+X	0	0	0.00
205	2X2X4	12	0	+Z	+X	0	0	0.00
206	2X2X4	12	0	+Z	+X	0	0	0.00
207	2X2X4	12	0	+Z	+X	0	0	0.00
208	2X2X4	12	0	+Z	+X	0	0	0.00
209	2X2X4	12	0	+Z	+X	0	0	0.00
210	2X2X4	12	0	+Z	+X	0	0	0.00
211	2X2X4	12	0	+Z	+X	0	0	0.00
212	2X2X4	12	0	+Z	+X	0	0	0.00
213	2X2X4	12	0	+Z	+X	0	0	0.00
214	4X4	12	0	+Z	+X	0	0	0.00
215	2X8	12	0	+Z	+X	0	0	0.00
218	2X4X4	12	0	+Z	+X	0	0	0.00
220	4X4	12	0	+Z	+X	0	0	0.00
222	4X4	12	0	+Z	+X	0	0	0.00
223	4X4	12	0	+Z	+X	0	0	0.00
225	4X4	12	0	+Z	+X	0	0	0.00
226	2X2X4	12	0	+Z	+X	0	0	0.00
227	4X6	12	0	+Z	+X	0	0	0.00
228	2X2X4	12	0	+Z	+X	0	0	0.00
229	2X2X4	12	0	+Z	+X	0	0	0.00
230	4X6	12	0	+Z	+X	0	0	0.00
231	2X2X4	12	0	+Z	+X	0	0	0.00
232	2X2X4	12	0	+Z	+X	0	0	0.00
233	2X2X4	12	0	+Z	+X	0	0	0.00
234	2X2X4	12	0	+Z	+X	0	0	0.00
235	4X4	12	0	+Z	+X	0	0	0.00
236	2X2X4	12	0	+Z	+X	0	0	0.00
237	2X2X4	12	0	+Z	+X	0	0	0.00
238	2X8	12	0	+Z	+X	0	0	0.00
241	2X4X4	12	0	+Z	+X	0	0	0.00
243	4X4	12	0	+Z	+X	0	0	0.00
245	4X4	12	0	+Z	+X	0	0	0.00
246	4X4	12	0	+Z	+X	0	0	0.00
248	4X4	12	0	+Z	+X	0	0	0.00
249	4X6	12	0	+Z	+X	0	0	0.00
250	4X6	12	0	+Z	+X	0	0	0.00
251	2X2X4	12	0	+Z	+X	0	0	0.00
252	2X2X4	12	0	+Z	+X	0	0	0.00
253	2X2X4	12	0	+Z	+X	0	0	0.00
254	4X6	12	0	+Z	+X	0	0	0.00
255	2X2X4	12	0	+Z	+X	0	0	0.00

256	2X2X4	12	0	+Z	+X	0	0	0.00
257	2X2X4	12	0	+Z	+X	0	0	0.00
258	2X2X4	12	0	+Z	+X	0	0	0.00
259	2X2X4	12	0	+Z	+X	0	0	0.00
260	2X2X4	12	0	+Z	+X	0	0	0.00
261	2X8	12	0	+Z	+X	0	0	0.00
262	4X6	12	0	+Z	+X	0	0	0.00
263	4X6	12	0	+Z	+X	0	0	0.00
266	2X4X4	12	0	+Z	+X	0	0	0.00
268	4X4	12	0	+Z	+X	0	0	0.00
270	4X4	12	0	+Z	+X	0	0	0.00
271	4X4	12	0	+Z	+X	0	0	0.00
273	4X4	12	0	+Z	+X	0	0	0.00
274	2X2X4	12	0	+Z	+X	0	0	0.00
275	2X2X4	12	0	+Z	+X	0	0	0.00
276	2X2X4	12	0	+Z	+X	0	0	0.00
277	4X6	12	0	+Z	+X	0	0	0.00
278	2X2X4	12	0	+Z	+X	0	0	0.00
279	2X2X4	12	0	+Z	+X	0	0	0.00
280	4X6	12	0	+Z	+X	0	0	0.00
281	2X2X4	12	0	+Z	+X	0	0	0.00
282	2X2X4	12	0	+Z	+X	0	0	0.00
283	4X4	12	0	+Z	+X	0	0	0.00
284	2X2X4	12	0	+Z	+X	0	0	0.00
285	2X2X4	12	0	+Z	+X	0	0	0.00
286	2X8	12	0	+Z	+X	0	0	0.00
289	2X4X4	12	0	+Z	+X	0	0	0.00
291	4X4	12	0	+Z	+X	0	0	0.00
293	4X4	12	0	+Z	+X	0	0	0.00
294	4X4	12	0	+Z	+X	0	0	0.00
296	4X4	12	0	+Z	+X	0	0	0.00
297	2X2X4	12	0	+Z	+X	0	0	0.00
298	2X2X4	12	0	+Z	+X	0	0	0.00
299	4X6	12	0	+Z	+X	0	0	0.00
300	2X2X4	12	0	+Z	+X	0	0	0.00
301	2X2X4	12	0	+Z	+X	0	0	0.00
302	2X2X4	12	0	+Z	+X	0	0	0.00
303	2X2X4	12	0	+Z	+X	0	0	0.00
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305	2X2X4	12	0	+Z	+X	0	0	0.00
306	2X2X4	12	0	+Z	+X	0	0	0.00
307	2X2X4	12	0	+Z	+X	0	0	0.00
308	4X4	12	0	+Z	+X	0	0	0.00
309	2X2X4	12	0	+Z	+X	0	0	0.00
310	2X2X4	12	0	+Z	+X	0	0	0.00
311	2X8	12	0	+Z	+X	0	0	0.00
314	2X4X4	12	0	+Z	+X	0	0	0.00
316	4X4	12	0	+Z	+X	0	0	0.00
318	4X4	12	0	+Z	+X	0	0	0.00
319	4X4	12	0	+Z	+X	0	0	0.00
321	4X4	12	0	+Z	+X	0	0	0.00
322	4X6	12	0	+Z	+X	0	0	0.00
323	2X2X4	12	0	+Z	+X	0	0	0.00
324	2X2X4	12	0	+Z	+X	0	0	0.00
325	2X2X4	12	0	+Z	+X	0	0	0.00
326	2X2X4	12	0	+Z	+X	0	0	0.00
327	2X2X4	12	0	+Z	+X	0	0	0.00
328	2X2X4	12	0	+Z	+X	0	0	0.00
329	2X2X4	12	0	+Z	+X	0	0	0.00
330	2X2X4	12	0	+Z	+X	0	0	0.00
331	2X2X4	12	0	+Z	+X	0	0	0.00
332	4X4	12	0	+Z	+X	0	0	0.00
333	2X8	12	0	+Z	+X	0	0	0.00

336	2X4X4	12	0	+Z	+X	0	0	0.00
338	4X4	12	0	+Z	+X	0	0	0.00
340	4X4	12	0	+Z	+X	0	0	0.00
341	4X4	12	0	+Z	+X	0	0	0.00
343	4X4	12	0	+Z	+X	0	0	0.00
344	4X4	12	0	+Z	+X	0	0	0.00
346	2X4X4	12	0	+Z	+X	0	0	0.00
347	2X4X4	12	0	+Z	+X	0	0	0.00
348	2X4X4	12	0	+Z	+X	0	0	0.00
349	2X4X4	12	0	+Z	+X	0	0	0.00
350	2X4X4	12	0	+Z	+X	0	0	0.00
351	2X4X4	12	0	+Z	+X	0	0	0.00
352	2X4X4	12	0	+Z	+X	0	0	0.00
353	2X4X4	12	0	+Z	+X	0	0	0.00
354	2X4X4	12	0	+Z	+X	0	0	0.00
355	2X4X4	12	0	+Z	+X	0	0	0.00
356	2X4X4	12	0	+Z	+X	0	0	0.00
357	2X4X4	12	0	+Z	+X	0	0	0.00
358	2X4X4	12	0	+Z	+X	0	0	0.00
359	2X4X4	12	0	+Z	+X	0	0	0.00
360	2X4X4	12	0	+Z	+X	0	0	0.00
361	2X4X4	12	0	+Z	+X	0	0	0.00
362	2X4X4	12	0	+Z	+X	0	0	0.00
363	2X4X4	12	0	+Z	+X	0	0	0.00
364	2X4X4	12	0	+Z	+X	0	0	0.00
365	2X4X4	12	0	+Z	+X	0	0	0.00
366	2X4X4	12	0	+Z	+X	0	0	0.00
367	2X4X4	12	0	+Z	+X	0	0	0.00
368	2X4X4	12	0	+Z	+X	0	0	0.00
369	2X4X4	12	0	+Z	+X	0	0	0.00
370	2X4X4	12	0	+Z	+X	0	0	0.00
371	2X4X4	12	0	+Z	+X	0	0	0.00
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374	2X4X4	12	0	+Z	+X	0	0	0.00
375	2X4X4	12	0	+Z	+X	0	0	0.00
391	2X4X4	12	0	+Z	+X	0	0	0.00
392	2X4X4	12	0	+Z	+X	0	0	0.00
393	2X4X4	12	0	+Z	+X	0	0	0.00
394	2X4X4	12	0	+Z	+X	0	0	0.00
395	2X4X4	12	0	+Z	+X	0	0	0.00
396	2X4X4	12	0	+Z	+X	0	0	0.00
397	2X4X4	12	0	+Z	+X	0	0	0.00
398	2X4X4	12	0	+Z	+X	0	0	0.00
399	2X4X4	12	0	+Z	+X	0	0	0.00
400	2X4X4	12	0	+Z	+X	0	0	0.00
401	2X4X4	12	0	+Z	+X	0	0	0.00
402	2X4X4	12	0	+Z	+X	0	0	0.00
403	2X4X4	12	0	+Z	+X	0	0	0.00
404	2X4X4	12	0	+Z	+X	0	0	0.00
405	2X4X4	12	0	+Z	+X	0	0	0.00
406	2X4X4	12	0	+Z	+X	0	0	0.00
407	2X4X4	12	0	+Z	+X	0	0	0.00
408	2X4X4	12	0	+Z	+X	0	0	0.00
409	2X4X4	12	0	+Z	+X	0	0	0.00
410	2X4X4	12	0	+Z	+X	0	0	0.00
411	2X4X4	12	0	+Z	+X	0	0	0.00
412	2X4X4	12	0	+Z	+X	0	0	0.00
413	2X4X4	12	0	+Z	+X	0	0	0.00
414	2X4X4	12	0	+Z	+X	0	0	0.00
415	2X4X4	12	0	+Z	+X	0	0	0.00
416	2X4X4	12	0	+Z	+X	0	0	0.00
417	2X4X4	12	0	+Z	+X	0	0	0.00

418	2X4X4	12	0	+Z	+X	0	0	0.00
419	2X4X4	12	0	+Z	+X	0	0	0.00
420	2X4X4	12	0	+Z	+X	0	0	0.00
437	4X4	12	0	+Z	+X	0	0	0.00
438	4X4	12	0	+Z	+X	0	0	0.00
439	4X4	12	0	+Z	+X	0	0	0.00
440	4X4	12	0	+Z	+X	0	0	0.00
441	4X4	12	0	+Z	+X	0	0	0.00
442	4X4	12	0	+Z	+X	0	0	0.00
443	4X4	12	0	+Z	+X	0	0	0.00
444	4X4	12	0	+Z	+X	0	0	0.00
445	4X4	12	0	+Z	+X	0	0	0.00
446	4X4	12	0	+Z	+X	0	0	0.00
447	4X4	12	0	+Z	+X	0	0	0.00
448	4X4	12	0	+Z	+X	0	0	0.00
449	4X4	12	0	+Z	+X	0	0	0.00
450	4X4	12	0	+Z	+X	0	0	0.00
451	4X4	12	0	+Z	+X	0	0	0.00
452	4X4	12	0	+Z	+X	0	0	0.00
453	4X4	12	0	+Z	+X	0	0	0.00
454	4X4	12	0	+Z	+X	0	0	0.00
455	4X4	12	0	+Z	+X	0	0	0.00
456	4X4	12	0	+Z	+X	0	0	0.00
457	4X4	12	0	+Z	+X	0	0	0.00
458	4X4	12	0	+Z	+X	0	0	0.00
459	4X4	12	0	+Z	+X	0	0	0.00
460	4X4	12	0	+Z	+X	0	0	0.00
461	4X4	12	0	+Z	+X	0	0	0.00
462	4X4	12	0	+Z	+X	0	0	0.00
463	4X4	12	0	+Z	+X	0	0	0.00
464	4X4	12	0	+Z	+X	0	0	0.00
465	4X4	12	0	+Z	+X	0	0	0.00
466	4X4	12	0	+Z	+X	0	0	0.00
482	4X4	12	0	+Z	+X	0	0	0.00
483	4X4	12	0	+Z	+X	0	0	0.00
484	4X4	12	0	+Z	+X	0	0	0.00
485	4X4	12	0	+Z	+X	0	0	0.00
486	4X4	12	0	+Z	+X	0	0	0.00
487	4X4	12	0	+Z	+X	0	0	0.00
488	4X4	12	0	+Z	+X	0	0	0.00
489	4X4	12	0	+Z	+X	0	0	0.00
490	4X4	12	0	+Z	+X	0	0	0.00
491	4X4	12	0	+Z	+X	0	0	0.00
492	4X4	12	0	+Z	+X	0	0	0.00
493	4X4	12	0	+Z	+X	0	0	0.00
494	4X4	12	0	+Z	+X	0	0	0.00
495	4X4	12	0	+Z	+X	0	0	0.00
496	4X4	12	0	+Z	+X	0	0	0.00
497	4X4	12	0	+Z	+X	0	0	0.00
498	4X4	12	0	+Z	+X	0	0	0.00
499	4X4	12	0	+Z	+X	0	0	0.00
500	4X4	12	0	+Z	+X	0	0	0.00
501	4X4	12	0	+Z	+X	0	0	0.00
502	4X4	12	0	+Z	+X	0	0	0.00
503	4X4	12	0	+Z	+X	0	0	0.00
504	4X4	12	0	+Z	+X	0	0	0.00
505	4X4	12	0	+Z	+X	0	0	0.00
506	4X4	12	0	+Z	+X	0	0	0.00
507	4X4	12	0	+Z	+X	0	0	0.00
508	4X4	12	0	+Z	+X	0	0	0.00
509	4X4	12	0	+Z	+X	0	0	0.00
510	4X4	12	0	+Z	+X	0	0	0.00
511	4X4	12	0	+Z	+X	0	0	0.00

527	4X4	12	0	+Z	+X	0	0	0.00
528	4X4	12	0	+Z	+X	0	0	0.00
529	4X4	12	0	+Z	+X	0	0	0.00
530	4X4	12	0	+Z	+X	0	0	0.00
531	4X4	12	0	+Z	+X	0	0	0.00
532	4X4	12	0	+Z	+X	0	0	0.00
533	4X4	12	0	+Z	+X	0	0	0.00
534	4X4	12	0	+Z	+X	0	0	0.00
535	4X4	12	0	+Z	+X	0	0	0.00
536	4X4	12	0	+Z	+X	0	0	0.00
537	4X4	12	0	+Z	+X	0	0	0.00
538	4X4	12	0	+Z	+X	0	0	0.00
539	4X4	12	0	+Z	+X	0	0	0.00
540	4X4	12	0	+Z	+X	0	0	0.00
541	4X4	12	0	+Z	+X	0	0	0.00
542	4X4	12	0	+Z	+X	0	0	0.00
543	4X4	12	0	+Z	+X	0	0	0.00
544	4X4	12	0	+Z	+X	0	0	0.00
545	4X4	12	0	+Z	+X	0	0	0.00
546	4X4	12	0	+Z	+X	0	0	0.00
547	4X4	12	0	+Z	+X	0	0	0.00
548	4X4	12	0	+Z	+X	0	0	0.00
549	4X4	12	0	+Z	+X	0	0	0.00
550	4X4	12	0	+Z	+X	0	0	0.00
551	4X4	12	0	+Z	+X	0	0	0.00
552	4X4	12	0	+Z	+X	0	0	0.00
553	4X4	12	0	+Z	+X	0	0	0.00
554	4X4	12	0	+Z	+X	0	0	0.00
555	4X4	12	0	+Z	+X	0	0	0.00
556	4X4	12	0	+Z	+X	0	0	0.00

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 18
PROGRAM:SAP2000/FILE:\BentCSeismic.EKO

F R A M E E L E M E N T D A T A

ELEMENT LABEL	END-I RELEASE CODES		END-J RELEASE CODES	
12	R2	R3	R2	R3
13	R2	R3	R2	R3
14	R2	R3	R2	R3
15	R2	R3	R2	R3
16	R2	R3	R2	R3
17	R2	R3	R2	R3
18	R2	R3	R2	R3
19	R2	R3	R2	R3
20	R2	R3	R2	R3
21	R2	R3	R2	R3
22	R2	R3	R2	R3
23	R2	R3	R2	R3
34	R2	R3	R2	R3
35	R2	R3	R2	R3
36	R2	R3	R2	R3
37	R2	R3	R2	R3
38	R2	R3	R2	R3
39	R2	R3	R2	R3
40	R2	R3	R2	R3
41	R2	R3	R2	R3
42	R2	R3	R2	R3
43	R2	R3	R2	R3

44	R2	R3	R2	R3
45	R2	R3	R2	R3
46	R2	R3	R2	R3
47	R2	R3	R2	R3
48	R2	R3	R2	R3
59	R2	R3	R2	R3
60	R2	R3	R2	R3
61	R2	R3	R2	R3
62	R2	R3	R2	R3
63	R2	R3	R2	R3
64	R2	R3	R2	R3
65	R2	R3	R2	R3
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67	R2	R3	R2	R3
69	R2	R3	R2	R3
70	R2	R3	R2	R3
71	R2	R3	R2	R3
82	R2	R3		
83	R2	R3		
84	R2	R3	R2	R3
85	R2	R3	R2	R3
86	R2	R3	R2	R3
87	R2	R3	R2	R3
88	R2	R3	R2	R3
89	R2	R3	R2	R3
90	R2	R3	R2	R3
91	R2	R3	R2	R3
92	R2	R3	R2	R3
93	R2	R3	R2	R3
94	R2	R3	R2	R3
95			R2	R3
96			R2	R3
107	R2	R3	R2	R3
108	R2	R3	R2	R3
109	R2	R3	R2	R3
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111	R2	R3	R2	R3
112	R2	R3	R2	R3
113	R2	R3	R2	R3
114	R2	R3	R2	R3
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133	R2	R3	R2	R3
134	R2	R3	R2	R3
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140	R2	R3	R2	R3
141	R2	R3	R2	R3
142	R2	R3	R2	R3
143	R2	R3	R2	R3
144	R2	R3	R2	R3
145	R2	R3	R2	R3
157	R2	R3	R2	R3
158	R2	R3	R2	R3

159	R2	R3	R2	R3
160	R2	R3	R2	R3
161	R2	R3	R2	R3
162	R2	R3	R2	R3
163	R2	R3	R2	R3
164	R2	R3	R2	R3
165	R2	R3	R2	R3
166	R2	R3	R2	R3
167	R2	R3	R2	R3
178	R2	R3	R2	R3
179	R2	R3	R2	R3
180	R2	R3	R2	R3
181	R2	R3	R2	R3
182	R2	R3	R2	R3
183	R2	R3	R2	R3
184	R2	R3	R2	R3
185	R2	R3	R2	R3
186	R2	R3	R2	R3
187	R2	R3	R2	R3
188	R2	R3	R2	R3
200	R2	R3	R2	R3
201	R2	R3	R2	R3
202	R2	R3	R2	R3
203	R2	R3	R2	R3
204	R2	R3	R2	R3
205	R2	R3	R2	R3
206	R2	R3	R2	R3
207	R2	R3	R2	R3
208	R2	R3	R2	R3
209	R2	R3	R2	R3
210	R2	R3	R2	R3
211	R2	R3	R2	R3
212	R2	R3	R2	R3
213	R2	R3	R2	R3
214	R2	R3	R2	R3
215	R2	R3	R2	R3
226	R2	R3	R2	R3
227	R2	R3	R2	R3
228	R2	R3	R2	R3
229	R2	R3	R2	R3
230	R2	R3	R2	R3
231	R2	R3	R2	R3
232	R2	R3	R2	R3
233	R2	R3	R2	R3
234	R2	R3	R2	R3
235	R2	R3	R2	R3
236	R2	R3	R2	R3
237	R2	R3	R2	R3
238	R2	R3	R2	R3
249	R2	R3		
250	R2	R3		
251	R2	R3	R2	R3
252	R2	R3	R2	R3
253	R2	R3	R2	R3
254	R2	R3	R2	R3
255	R2	R3	R2	R3
256	R2	R3	R2	R3
257	R2	R3	R2	R3
258	R2	R3	R2	R3
259	R2	R3	R2	R3
260	R2	R3	R2	R3
261	R2	R3	R2	R3
262			R2	R3

263			R2	R3
274	R2	R3	R2	R3
275	R2	R3	R2	R3
276	R2	R3	R2	R3
277	R2	R3	R2	R3
278	R2	R3	R2	R3
279	R2	R3	R2	R3
280	R2	R3	R2	R3
281	R2	R3	R2	R3
282	R2	R3	R2	R3
283	R2	R3	R2	R3
284	R2	R3	R2	R3
285	R2	R3	R2	R3
286	R2	R3	R2	R3
297	R2	R3	R2	R3
298	R2	R3	R2	R3
299	R2	R3	R2	R3
300	R2	R3	R2	R3
301	R2	R3	R2	R3
302	R2	R3	R2	R3
303	R2	R3	R2	R3
304	R2	R3	R2	R3
305	R2	R3	R2	R3
306	R2	R3	R2	R3
307	R2	R3	R2	R3
308	R2	R3	R2	R3
309	R2	R3	R2	R3
310	R2	R3	R2	R3
311	R2	R3	R2	R3
322	R2	R3	R2	R3
323	R2	R3	R2	R3
324	R2	R3	R2	R3
325	R2	R3	R2	R3
326	R2	R3	R2	R3
327	R2	R3	R2	R3
328	R2	R3	R2	R3
329	R2	R3	R2	R3
330	R2	R3	R2	R3
331	R2	R3	R2	R3
332	R2	R3	R2	R3
333	R2	R3	R2	R3

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 19
PROGRAM:SAP2000/FILE:\BentCSeismic.EKO

T O T A L W E I G H T S A N D M A S S E S

SECTION LABEL	WEIGHT	MASS
4X4	1337.1671	3.4643
2X2X4	1963.9450	5.0882
4X6	991.3801	2.5685
2X8	202.7970	0.5254
2X4X4	1162.5863	3.0120
TOTAL	5657.8754	14.6585

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 20
PROGRAM:SAP2000/FILE:\BentCSeismic.EKO

L O A D C O N D I T I O N DEAD

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.1000E+01

L O A D C O N D I T I O N MANIFOLD

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
N1	0.000E+00	0.000E+00	-0.189E+04	0.000E+00	0.000E+00	0.000E+00
N2	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N3	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N4	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N5	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N6	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N7	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N8	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N9	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N10	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N11	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N12	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N13	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N14	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N15	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N TBAR

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
1FIL1	0.000E+00	0.000E+00	-0.220E+02	0.000E+00	0.000E+00	0.000E+00
1FIL2	0.000E+00	0.000E+00	-0.450E+02	0.000E+00	0.000E+00	0.000E+00
1FIL3	0.000E+00	0.000E+00	-0.450E+02	0.000E+00	0.000E+00	0.000E+00
1FIL4	0.000E+00	0.000E+00	-0.450E+02	0.000E+00	0.000E+00	0.000E+00
1FIL5	0.000E+00	0.000E+00	-0.450E+02	0.000E+00	0.000E+00	0.000E+00
1FIL6	0.000E+00	0.000E+00	-0.450E+02	0.000E+00	0.000E+00	0.000E+00
1FIL7	0.000E+00	0.000E+00	-0.450E+02	0.000E+00	0.000E+00	0.000E+00
1FIL8	0.000E+00	0.000E+00	-0.450E+02	0.000E+00	0.000E+00	0.000E+00
1FIL9	0.000E+00	0.000E+00	-0.450E+02	0.000E+00	0.000E+00	0.000E+00
2FIL1	0.000E+00	0.000E+00	-0.119E+03	0.000E+00	0.000E+00	0.000E+00
2FIL2	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
2FIL3	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
2FIL4	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
2FIL5	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
2FIL6	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
2FIL7	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
2FIL8	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
2FIL9	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
3FIL1	0.000E+00	0.000E+00	-0.234E+03	0.000E+00	0.000E+00	0.000E+00
3FIL2	0.000E+00	0.000E+00	-0.468E+03	0.000E+00	0.000E+00	0.000E+00
3FIL3	0.000E+00	0.000E+00	-0.468E+03	0.000E+00	0.000E+00	0.000E+00
3FIL4	0.000E+00	0.000E+00	-0.468E+03	0.000E+00	0.000E+00	0.000E+00
3FIL5	0.000E+00	0.000E+00	-0.468E+03	0.000E+00	0.000E+00	0.000E+00

3FIL6	0.000E+00	0.000E+00	-0.468E+03	0.000E+00	0.000E+00	0.000E+00
3FIL7	0.000E+00	0.000E+00	-0.468E+03	0.000E+00	0.000E+00	0.000E+00
3FIL8	0.000E+00	0.000E+00	-0.468E+03	0.000E+00	0.000E+00	0.000E+00
3FIL9	0.000E+00	0.000E+00	-0.468E+03	0.000E+00	0.000E+00	0.000E+00
4FIL1	0.000E+00	0.000E+00	-0.400E+03	0.000E+00	0.000E+00	0.000E+00
4FIL2	0.000E+00	0.000E+00	-0.800E+03	0.000E+00	0.000E+00	0.000E+00
4FIL3	0.000E+00	0.000E+00	-0.800E+03	0.000E+00	0.000E+00	0.000E+00
4FIL4	0.000E+00	0.000E+00	-0.800E+03	0.000E+00	0.000E+00	0.000E+00
4FIL5	0.000E+00	0.000E+00	-0.800E+03	0.000E+00	0.000E+00	0.000E+00
4FIL6	0.000E+00	0.000E+00	-0.800E+03	0.000E+00	0.000E+00	0.000E+00
4FIL7	0.000E+00	0.000E+00	-0.800E+03	0.000E+00	0.000E+00	0.000E+00
4FIL8	0.000E+00	0.000E+00	-0.800E+03	0.000E+00	0.000E+00	0.000E+00
4FIL9	0.000E+00	0.000E+00	-0.800E+03	0.000E+00	0.000E+00	0.000E+00
5FIL1	0.000E+00	0.000E+00	-0.326E+03	0.000E+00	0.000E+00	0.000E+00
5FIL2	0.000E+00	0.000E+00	-0.653E+03	0.000E+00	0.000E+00	0.000E+00
5FIL3	0.000E+00	0.000E+00	-0.653E+03	0.000E+00	0.000E+00	0.000E+00
5FIL4	0.000E+00	0.000E+00	-0.653E+03	0.000E+00	0.000E+00	0.000E+00
5FIL5	0.000E+00	0.000E+00	-0.653E+03	0.000E+00	0.000E+00	0.000E+00
5FIL6	0.000E+00	0.000E+00	-0.653E+03	0.000E+00	0.000E+00	0.000E+00
5FIL7	0.000E+00	0.000E+00	-0.653E+03	0.000E+00	0.000E+00	0.000E+00
5FIL8	0.000E+00	0.000E+00	-0.653E+03	0.000E+00	0.000E+00	0.000E+00
5FIL9	0.000E+00	0.000E+00	-0.653E+03	0.000E+00	0.000E+00	0.000E+00
1FIL10	0.000E+00	0.000E+00	-0.450E+02	0.000E+00	0.000E+00	0.000E+00
1FIL11	0.000E+00	0.000E+00	-0.450E+02	0.000E+00	0.000E+00	0.000E+00
1FIL12	0.000E+00	0.000E+00	-0.450E+02	0.000E+00	0.000E+00	0.000E+00
1FIL13	0.000E+00	0.000E+00	-0.450E+02	0.000E+00	0.000E+00	0.000E+00
1FIL14	0.000E+00	0.000E+00	-0.450E+02	0.000E+00	0.000E+00	0.000E+00
1FIL15	0.000E+00	0.000E+00	-0.450E+02	0.000E+00	0.000E+00	0.000E+00
2FIL10	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
2FIL11	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
2FIL12	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
2FIL13	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
2FIL14	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
2FIL15	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
3FIL10	0.000E+00	0.000E+00	-0.468E+03	0.000E+00	0.000E+00	0.000E+00
3FIL11	0.000E+00	0.000E+00	-0.468E+03	0.000E+00	0.000E+00	0.000E+00
3FIL12	0.000E+00	0.000E+00	-0.468E+03	0.000E+00	0.000E+00	0.000E+00
3FIL13	0.000E+00	0.000E+00	-0.468E+03	0.000E+00	0.000E+00	0.000E+00
3FIL14	0.000E+00	0.000E+00	-0.468E+03	0.000E+00	0.000E+00	0.000E+00
3FIL15	0.000E+00	0.000E+00	-0.468E+03	0.000E+00	0.000E+00	0.000E+00
4FIL10	0.000E+00	0.000E+00	-0.800E+03	0.000E+00	0.000E+00	0.000E+00
4FIL11	0.000E+00	0.000E+00	-0.800E+03	0.000E+00	0.000E+00	0.000E+00
4FIL12	0.000E+00	0.000E+00	-0.800E+03	0.000E+00	0.000E+00	0.000E+00
4FIL13	0.000E+00	0.000E+00	-0.800E+03	0.000E+00	0.000E+00	0.000E+00
4FIL14	0.000E+00	0.000E+00	-0.800E+03	0.000E+00	0.000E+00	0.000E+00
4FIL15	0.000E+00	0.000E+00	-0.800E+03	0.000E+00	0.000E+00	0.000E+00
5FIL10	0.000E+00	0.000E+00	-0.653E+03	0.000E+00	0.000E+00	0.000E+00
5FIL11	0.000E+00	0.000E+00	-0.653E+03	0.000E+00	0.000E+00	0.000E+00
5FIL12	0.000E+00	0.000E+00	-0.653E+03	0.000E+00	0.000E+00	0.000E+00
5FIL13	0.000E+00	0.000E+00	-0.653E+03	0.000E+00	0.000E+00	0.000E+00
5FIL14	0.000E+00	0.000E+00	-0.653E+03	0.000E+00	0.000E+00	0.000E+00
5FIL15	0.000E+00	0.000E+00	-0.653E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N TOPCOVER

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
P1	0.000E+00	0.000E+00	-0.159E+04	0.000E+00	0.000E+00	0.000E+00

P2	0.000E+00	0.000E+00	-0.318E+04	0.000E+00	0.000E+00	0.000E+00
P3	0.000E+00	0.000E+00	-0.318E+04	0.000E+00	0.000E+00	0.000E+00
P4	0.000E+00	0.000E+00	-0.318E+04	0.000E+00	0.000E+00	0.000E+00
P5	0.000E+00	0.000E+00	-0.318E+04	0.000E+00	0.000E+00	0.000E+00
P6	0.000E+00	0.000E+00	-0.318E+04	0.000E+00	0.000E+00	0.000E+00
P7	0.000E+00	0.000E+00	-0.318E+04	0.000E+00	0.000E+00	0.000E+00
P8	0.000E+00	0.000E+00	-0.318E+04	0.000E+00	0.000E+00	0.000E+00
P9	0.000E+00	0.000E+00	-0.318E+04	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.318E+04	0.000E+00	0.000E+00	0.000E+00
P11	0.000E+00	0.000E+00	-0.318E+04	0.000E+00	0.000E+00	0.000E+00
P12	0.000E+00	0.000E+00	-0.318E+04	0.000E+00	0.000E+00	0.000E+00
P13	0.000E+00	0.000E+00	-0.318E+04	0.000E+00	0.000E+00	0.000E+00
P14	0.000E+00	0.000E+00	-0.318E+04	0.000E+00	0.000E+00	0.000E+00
P15	0.000E+00	0.000E+00	-0.318E+04	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N PEWALLS

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
D1	0.000E+00	0.000E+00	-0.470E+02	0.000E+00	0.000E+00	0.000E+00
D8	0.000E+00	0.000E+00	-0.111E+03	0.000E+00	0.000E+00	0.000E+00
F1	0.000E+00	0.000E+00	-0.770E+02	0.000E+00	0.000E+00	0.000E+00
F8	0.000E+00	0.000E+00	-0.181E+03	0.000E+00	0.000E+00	0.000E+00
G1	0.000E+00	0.000E+00	-0.600E+02	0.000E+00	0.000E+00	0.000E+00
G8	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
H1	0.000E+00	0.000E+00	-0.600E+02	0.000E+00	0.000E+00	0.000E+00
H8	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
I1	0.000E+00	0.000E+00	-0.820E+02	0.000E+00	0.000E+00	0.000E+00
I8	0.000E+00	0.000E+00	-0.194E+03	0.000E+00	0.000E+00	0.000E+00
J1	0.000E+00	0.000E+00	-0.105E+03	0.000E+00	0.000E+00	0.000E+00
J8	0.000E+00	0.000E+00	-0.247E+03	0.000E+00	0.000E+00	0.000E+00
K1	0.000E+00	0.000E+00	-0.127E+03	0.000E+00	0.000E+00	0.000E+00
K8	0.000E+00	0.000E+00	-0.300E+03	0.000E+00	0.000E+00	0.000E+00
L1	0.000E+00	0.000E+00	-0.149E+03	0.000E+00	0.000E+00	0.000E+00
L8	0.000E+00	0.000E+00	-0.352E+03	0.000E+00	0.000E+00	0.000E+00
M1	0.000E+00	0.000E+00	-0.113E+03	0.000E+00	0.000E+00	0.000E+00
M8	0.000E+00	0.000E+00	-0.266E+03	0.000E+00	0.000E+00	0.000E+00
N1	0.000E+00	0.000E+00	-0.184E+03	0.000E+00	0.000E+00	0.000E+00
P1	0.000E+00	0.000E+00	-0.190E+03	0.000E+00	0.000E+00	0.000E+00
D15	0.000E+00	0.000E+00	-0.111E+03	0.000E+00	0.000E+00	0.000E+00
F15	0.000E+00	0.000E+00	-0.181E+03	0.000E+00	0.000E+00	0.000E+00
G15	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
H15	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
I15	0.000E+00	0.000E+00	-0.194E+03	0.000E+00	0.000E+00	0.000E+00
J15	0.000E+00	0.000E+00	-0.247E+03	0.000E+00	0.000E+00	0.000E+00
K15	0.000E+00	0.000E+00	-0.300E+03	0.000E+00	0.000E+00	0.000E+00
L15	0.000E+00	0.000E+00	-0.352E+03	0.000E+00	0.000E+00	0.000E+00
M15	0.000E+00	0.000E+00	-0.266E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N HOTBASIN

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3

N1	0.000E+00	0.000E+00	-0.124E+04	0.000E+00	0.000E+00	0.000E+00
N2	0.000E+00	0.000E+00	-0.248E+04	0.000E+00	0.000E+00	0.000E+00
N3	0.000E+00	0.000E+00	-0.248E+04	0.000E+00	0.000E+00	0.000E+00
N4	0.000E+00	0.000E+00	-0.248E+04	0.000E+00	0.000E+00	0.000E+00
N5	0.000E+00	0.000E+00	-0.248E+04	0.000E+00	0.000E+00	0.000E+00
N6	0.000E+00	0.000E+00	-0.248E+04	0.000E+00	0.000E+00	0.000E+00
N7	0.000E+00	0.000E+00	-0.248E+04	0.000E+00	0.000E+00	0.000E+00
N8	0.000E+00	0.000E+00	-0.248E+04	0.000E+00	0.000E+00	0.000E+00
N9	0.000E+00	0.000E+00	-0.248E+04	0.000E+00	0.000E+00	0.000E+00
N10	0.000E+00	0.000E+00	-0.248E+04	0.000E+00	0.000E+00	0.000E+00
N11	0.000E+00	0.000E+00	-0.248E+04	0.000E+00	0.000E+00	0.000E+00
N12	0.000E+00	0.000E+00	-0.248E+04	0.000E+00	0.000E+00	0.000E+00
N13	0.000E+00	0.000E+00	-0.248E+04	0.000E+00	0.000E+00	0.000E+00
N14	0.000E+00	0.000E+00	-0.248E+04	0.000E+00	0.000E+00	0.000E+00
N15	0.000E+00	0.000E+00	-0.248E+04	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N DRIFTELM

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

L O A D C O N D I T I O N FANMOTOR

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
P4	0.000E+00	0.000E+00	-0.421E+03	0.000E+00	0.000E+00	0.000E+00
P5	0.000E+00	0.000E+00	-0.421E+03	0.000E+00	0.000E+00	0.000E+00
P11	0.000E+00	0.000E+00	-0.421E+03	0.000E+00	0.000E+00	0.000E+00
P12	0.000E+00	0.000E+00	-0.421E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N CABLETRY

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
H1	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
J1	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
L1	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
M1	0.000E+00	0.000E+00	-0.204E+03	0.000E+00	0.000E+00	0.000E+00
P1	0.000E+00	0.000E+00	-0.270E+03	0.000E+00	0.000E+00	0.000E+00
P2	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
P3	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
P4	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
P5	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
P6	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
P7	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
P8	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
P9	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
P11	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
P12	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
P13	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
P14	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
P15	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
2FIL1	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00

3FIL1	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
4FIL1	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
5FIL1	0.000E+00	0.000E+00	-0.308E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N LOUVERWL

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
D1	0.000E+00	0.000E+00	-0.570E+02	0.000E+00	0.000E+00	0.000E+00
D2	0.000E+00	0.000E+00	-0.113E+03	0.000E+00	0.000E+00	0.000E+00
D3	0.000E+00	0.000E+00	-0.113E+03	0.000E+00	0.000E+00	0.000E+00
D4	0.000E+00	0.000E+00	-0.113E+03	0.000E+00	0.000E+00	0.000E+00
D5	0.000E+00	0.000E+00	-0.113E+03	0.000E+00	0.000E+00	0.000E+00
D6	0.000E+00	0.000E+00	-0.113E+03	0.000E+00	0.000E+00	0.000E+00
D7	0.000E+00	0.000E+00	-0.113E+03	0.000E+00	0.000E+00	0.000E+00
D8	0.000E+00	0.000E+00	-0.113E+03	0.000E+00	0.000E+00	0.000E+00
D9	0.000E+00	0.000E+00	-0.113E+03	0.000E+00	0.000E+00	0.000E+00
F1	0.000E+00	0.000E+00	-0.930E+02	0.000E+00	0.000E+00	0.000E+00
F2	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
F3	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
F4	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
F5	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
F6	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
F7	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
F8	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
F9	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
G1	0.000E+00	0.000E+00	-0.720E+02	0.000E+00	0.000E+00	0.000E+00
G2	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
G3	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
G4	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
G5	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
G6	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
G7	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
G8	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
G9	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
H1	0.000E+00	0.000E+00	-0.720E+02	0.000E+00	0.000E+00	0.000E+00
H2	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
H3	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
H4	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
H5	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
H6	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
H7	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
H8	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
H9	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
I1	0.000E+00	0.000E+00	-0.720E+02	0.000E+00	0.000E+00	0.000E+00
I2	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
I3	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
I4	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
I5	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
I6	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
I7	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
I8	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
I9	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
J1	0.000E+00	0.000E+00	-0.720E+02	0.000E+00	0.000E+00	0.000E+00
J2	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
J3	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
J4	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
J5	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00

J6	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
J7	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
J8	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
J9	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
K1	0.000E+00	0.000E+00	-0.720E+02	0.000E+00	0.000E+00	0.000E+00
K2	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
K3	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
K4	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
K5	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
K6	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
K7	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
K8	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
K9	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
L1	0.000E+00	0.000E+00	-0.720E+02	0.000E+00	0.000E+00	0.000E+00
L2	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
L3	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
L4	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
L5	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
L6	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
L7	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
L8	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
L9	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
M1	0.000E+00	0.000E+00	-0.480E+02	0.000E+00	0.000E+00	0.000E+00
M2	0.000E+00	0.000E+00	-0.950E+02	0.000E+00	0.000E+00	0.000E+00
M3	0.000E+00	0.000E+00	-0.950E+02	0.000E+00	0.000E+00	0.000E+00
M4	0.000E+00	0.000E+00	-0.950E+02	0.000E+00	0.000E+00	0.000E+00
M5	0.000E+00	0.000E+00	-0.950E+02	0.000E+00	0.000E+00	0.000E+00
M6	0.000E+00	0.000E+00	-0.950E+02	0.000E+00	0.000E+00	0.000E+00
M7	0.000E+00	0.000E+00	-0.950E+02	0.000E+00	0.000E+00	0.000E+00
M8	0.000E+00	0.000E+00	-0.950E+02	0.000E+00	0.000E+00	0.000E+00
M9	0.000E+00	0.000E+00	-0.950E+02	0.000E+00	0.000E+00	0.000E+00
N1	0.000E+00	0.000E+00	-0.590E+02	0.000E+00	0.000E+00	0.000E+00
N2	0.000E+00	0.000E+00	-0.149E+03	0.000E+00	0.000E+00	0.000E+00
N3	0.000E+00	0.000E+00	-0.149E+03	0.000E+00	0.000E+00	0.000E+00
N4	0.000E+00	0.000E+00	-0.149E+03	0.000E+00	0.000E+00	0.000E+00
N5	0.000E+00	0.000E+00	-0.149E+03	0.000E+00	0.000E+00	0.000E+00
N6	0.000E+00	0.000E+00	-0.149E+03	0.000E+00	0.000E+00	0.000E+00
N7	0.000E+00	0.000E+00	-0.118E+03	0.000E+00	0.000E+00	0.000E+00
N8	0.000E+00	0.000E+00	-0.149E+03	0.000E+00	0.000E+00	0.000E+00
N9	0.000E+00	0.000E+00	-0.118E+03	0.000E+00	0.000E+00	0.000E+00
O1	0.000E+00	0.000E+00	-0.630E+02	0.000E+00	0.000E+00	0.000E+00
O7	0.000E+00	0.000E+00	-0.127E+03	0.000E+00	0.000E+00	0.000E+00
O9	0.000E+00	0.000E+00	-0.127E+03	0.000E+00	0.000E+00	0.000E+00
P1	0.000E+00	0.000E+00	-0.160E+02	0.000E+00	0.000E+00	0.000E+00
P2	0.000E+00	0.000E+00	-0.127E+03	0.000E+00	0.000E+00	0.000E+00
P3	0.000E+00	0.000E+00	-0.127E+03	0.000E+00	0.000E+00	0.000E+00
P4	0.000E+00	0.000E+00	-0.127E+03	0.000E+00	0.000E+00	0.000E+00
P5	0.000E+00	0.000E+00	-0.127E+03	0.000E+00	0.000E+00	0.000E+00
P6	0.000E+00	0.000E+00	-0.127E+03	0.000E+00	0.000E+00	0.000E+00
P7	0.000E+00	0.000E+00	-0.320E+02	0.000E+00	0.000E+00	0.000E+00
P8	0.000E+00	0.000E+00	-0.127E+03	0.000E+00	0.000E+00	0.000E+00
P9	0.000E+00	0.000E+00	-0.320E+02	0.000E+00	0.000E+00	0.000E+00
D10	0.000E+00	0.000E+00	-0.113E+03	0.000E+00	0.000E+00	0.000E+00
D11	0.000E+00	0.000E+00	-0.113E+03	0.000E+00	0.000E+00	0.000E+00
D12	0.000E+00	0.000E+00	-0.113E+03	0.000E+00	0.000E+00	0.000E+00
D13	0.000E+00	0.000E+00	-0.113E+03	0.000E+00	0.000E+00	0.000E+00
D14	0.000E+00	0.000E+00	-0.113E+03	0.000E+00	0.000E+00	0.000E+00
D15	0.000E+00	0.000E+00	-0.113E+03	0.000E+00	0.000E+00	0.000E+00
F10	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
F11	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
F12	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
F13	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
F14	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00

F15	0.000E+00	0.000E+00	-0.186E+03	0.000E+00	0.000E+00	0.000E+00
G10	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
G11	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
G12	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
G13	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
G14	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
G15	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
H10	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
H11	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
H12	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
H13	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
H14	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
H15	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
I10	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
I11	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
I12	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
I13	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
I14	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
I15	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
J10	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
J11	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
J12	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
J13	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
J14	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
J15	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
K10	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
K11	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
K12	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
K13	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
K14	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
K15	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
L10	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
L11	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
L12	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
L13	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
L14	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
L15	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
M10	0.000E+00	0.000E+00	-0.950E+02	0.000E+00	0.000E+00	0.000E+00
M11	0.000E+00	0.000E+00	-0.950E+02	0.000E+00	0.000E+00	0.000E+00
M12	0.000E+00	0.000E+00	-0.950E+02	0.000E+00	0.000E+00	0.000E+00
M13	0.000E+00	0.000E+00	-0.950E+02	0.000E+00	0.000E+00	0.000E+00
M14	0.000E+00	0.000E+00	-0.950E+02	0.000E+00	0.000E+00	0.000E+00
M15	0.000E+00	0.000E+00	-0.950E+02	0.000E+00	0.000E+00	0.000E+00
N10	0.000E+00	0.000E+00	-0.149E+03	0.000E+00	0.000E+00	0.000E+00
N11	0.000E+00	0.000E+00	-0.149E+03	0.000E+00	0.000E+00	0.000E+00
N12	0.000E+00	0.000E+00	-0.149E+03	0.000E+00	0.000E+00	0.000E+00
N13	0.000E+00	0.000E+00	-0.149E+03	0.000E+00	0.000E+00	0.000E+00
N14	0.000E+00	0.000E+00	-0.149E+03	0.000E+00	0.000E+00	0.000E+00
N15	0.000E+00	0.000E+00	-0.149E+03	0.000E+00	0.000E+00	0.000E+00
O15	0.000E+00	0.000E+00	-0.127E+03	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.127E+03	0.000E+00	0.000E+00	0.000E+00
P11	0.000E+00	0.000E+00	-0.127E+03	0.000E+00	0.000E+00	0.000E+00
P12	0.000E+00	0.000E+00	-0.127E+03	0.000E+00	0.000E+00	0.000E+00
P13	0.000E+00	0.000E+00	-0.127E+03	0.000E+00	0.000E+00	0.000E+00
P14	0.000E+00	0.000E+00	-0.127E+03	0.000E+00	0.000E+00	0.000E+00
P15	0.000E+00	0.000E+00	-0.160E+02	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N SECDIST

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
N3	0.000E+00	0.000E+00	-0.108E+04	0.000E+00	0.000E+00	0.000E+00
N4	0.000E+00	0.000E+00	-0.596E+03	0.000E+00	0.000E+00	0.000E+00
N5	0.000E+00	0.000E+00	-0.390E+03	0.000E+00	0.000E+00	0.000E+00
N6	0.000E+00	0.000E+00	-0.471E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N ANGLEWAL

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
I1	0.000E+00	0.000E+00	-0.900E+01	0.000E+00	0.000E+00	0.000E+00
I2	0.000E+00	0.000E+00	-0.900E+01	0.000E+00	0.000E+00	0.000E+00
I3	0.000E+00	0.000E+00	-0.900E+01	0.000E+00	0.000E+00	0.000E+00
I4	0.000E+00	0.000E+00	-0.900E+01	0.000E+00	0.000E+00	0.000E+00
I5	0.000E+00	0.000E+00	-0.900E+01	0.000E+00	0.000E+00	0.000E+00
I6	0.000E+00	0.000E+00	-0.900E+01	0.000E+00	0.000E+00	0.000E+00
I7	0.000E+00	0.000E+00	-0.900E+01	0.000E+00	0.000E+00	0.000E+00
I8	0.000E+00	0.000E+00	-0.900E+01	0.000E+00	0.000E+00	0.000E+00
I9	0.000E+00	0.000E+00	-0.900E+01	0.000E+00	0.000E+00	0.000E+00
J1	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
J2	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
J3	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
J4	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
J5	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
J6	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
J7	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
J8	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
J9	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
K1	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
K2	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
K3	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
K4	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
K5	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
K6	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
K7	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
K8	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
K9	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
L1	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
L2	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
L3	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
L4	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
L5	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
L6	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
L7	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
L8	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
L9	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
M1	0.000E+00	0.000E+00	-0.350E+02	0.000E+00	0.000E+00	0.000E+00
M2	0.000E+00	0.000E+00	-0.350E+02	0.000E+00	0.000E+00	0.000E+00
M3	0.000E+00	0.000E+00	-0.350E+02	0.000E+00	0.000E+00	0.000E+00
M4	0.000E+00	0.000E+00	-0.350E+02	0.000E+00	0.000E+00	0.000E+00
M5	0.000E+00	0.000E+00	-0.350E+02	0.000E+00	0.000E+00	0.000E+00
M6	0.000E+00	0.000E+00	-0.350E+02	0.000E+00	0.000E+00	0.000E+00
M7	0.000E+00	0.000E+00	-0.350E+02	0.000E+00	0.000E+00	0.000E+00
M8	0.000E+00	0.000E+00	-0.350E+02	0.000E+00	0.000E+00	0.000E+00
M9	0.000E+00	0.000E+00	-0.350E+02	0.000E+00	0.000E+00	0.000E+00
N1	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00

N2	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
N3	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
N4	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
N5	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
N6	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
N7	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
N8	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
N9	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
P1	0.000E+00	0.000E+00	-0.380E+02	0.000E+00	0.000E+00	0.000E+00
P2	0.000E+00	0.000E+00	-0.380E+02	0.000E+00	0.000E+00	0.000E+00
P3	0.000E+00	0.000E+00	-0.380E+02	0.000E+00	0.000E+00	0.000E+00
P4	0.000E+00	0.000E+00	-0.380E+02	0.000E+00	0.000E+00	0.000E+00
P5	0.000E+00	0.000E+00	-0.380E+02	0.000E+00	0.000E+00	0.000E+00
P6	0.000E+00	0.000E+00	-0.380E+02	0.000E+00	0.000E+00	0.000E+00
P7	0.000E+00	0.000E+00	-0.380E+02	0.000E+00	0.000E+00	0.000E+00
P8	0.000E+00	0.000E+00	-0.380E+02	0.000E+00	0.000E+00	0.000E+00
P9	0.000E+00	0.000E+00	-0.380E+02	0.000E+00	0.000E+00	0.000E+00
I10	0.000E+00	0.000E+00	-0.900E+01	0.000E+00	0.000E+00	0.000E+00
I11	0.000E+00	0.000E+00	-0.900E+01	0.000E+00	0.000E+00	0.000E+00
I12	0.000E+00	0.000E+00	-0.900E+01	0.000E+00	0.000E+00	0.000E+00
I13	0.000E+00	0.000E+00	-0.900E+01	0.000E+00	0.000E+00	0.000E+00
I14	0.000E+00	0.000E+00	-0.900E+01	0.000E+00	0.000E+00	0.000E+00
I15	0.000E+00	0.000E+00	-0.900E+01	0.000E+00	0.000E+00	0.000E+00
J10	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
J11	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
J12	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
J13	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
J14	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
J15	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
K10	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
K11	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
K12	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
K13	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
K14	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
K15	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
L10	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
L11	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
L12	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
L13	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
L14	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
L15	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
M10	0.000E+00	0.000E+00	-0.350E+02	0.000E+00	0.000E+00	0.000E+00
M11	0.000E+00	0.000E+00	-0.350E+02	0.000E+00	0.000E+00	0.000E+00
M12	0.000E+00	0.000E+00	-0.350E+02	0.000E+00	0.000E+00	0.000E+00
M13	0.000E+00	0.000E+00	-0.350E+02	0.000E+00	0.000E+00	0.000E+00
M14	0.000E+00	0.000E+00	-0.350E+02	0.000E+00	0.000E+00	0.000E+00
M15	0.000E+00	0.000E+00	-0.350E+02	0.000E+00	0.000E+00	0.000E+00
N10	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
N11	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
N12	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
N13	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
N14	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
N15	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.380E+02	0.000E+00	0.000E+00	0.000E+00
P11	0.000E+00	0.000E+00	-0.380E+02	0.000E+00	0.000E+00	0.000E+00
P12	0.000E+00	0.000E+00	-0.380E+02	0.000E+00	0.000E+00	0.000E+00
P13	0.000E+00	0.000E+00	-0.380E+02	0.000E+00	0.000E+00	0.000E+00
P14	0.000E+00	0.000E+00	-0.380E+02	0.000E+00	0.000E+00	0.000E+00
P15	0.000E+00	0.000E+00	-0.380E+02	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N NOTRIANG

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

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PROGRAM:SAP2000/FILE:\BentCSeismic.EKO

F U N C T I O N D A T A

FUNCTION LABEL = 5DAMP
TIME INCREMENT = 0.000

TIME	VALUE	TIME	VALUE	TIME	VALUE	TIME	VALUE
0.010	0.813E-01	0.011	0.822E-01	0.012	0.830E-01	0.013	0.839E-01
0.014	0.848E-01	0.015	0.858E-01	0.016	0.865E-01	0.017	0.877E-01
0.019	0.887E-01	0.020	0.897E-01	0.022	0.907E-01	0.024	0.917E-01
0.026	0.927E-01	0.029	0.942E-01	0.033	0.958E-01	0.037	0.972E-01
0.041	0.985E-01	0.045	0.996E-01	0.050	0.101E+00	0.055	0.103E+00
0.062	0.104E+00	0.068	0.105E+00	0.074	0.106E+00	0.082	0.108E+00
0.090	0.109E+00	0.098	0.110E+00	0.106	0.111E+00	0.117	0.112E+00
0.129	0.113E+00	0.142	0.114E+00	0.155	0.114E+00	0.168	0.114E+00
0.181	0.115E+00	0.197	0.114E+00	0.216	0.114E+00	0.238	0.114E+00
0.258	0.113E+00	0.279	0.112E+00	0.302	0.110E+00	0.329	0.109E+00
0.355	0.107E+00	0.381	0.106E+00	0.410	0.104E+00	0.439	0.102E+00
0.466	0.998E-01	0.493	0.974E-01	0.522	0.947E-01	0.550	0.924E-01
0.582	0.897E-01	0.614	0.868E-01	0.649	0.844E-01	0.681	0.813E-01
0.714	0.790E-01	0.753	0.763E-01	0.787	0.737E-01	0.824	0.714E-01
0.865	0.685E-01	0.906	0.659E-01	0.946	0.637E-01	0.979	0.614E-01

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 22
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M O D E S D A T A

NUMBER OF EIGENVALUES 1000

EIGEN CONVERGENCE TOLERANCE 0.1000E-04
EIGEN CUTOFF FREQUENCY 0.3300E+02
EIGEN FREQUENCY SHIFT 0.0000E+00
INCLUDE RESIDUAL-MASS MODES YES

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 23
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R E S P O N S E S P E C T R U M D A T A

SPEC LABEL	HORIZ	ACC DIR	FUNCTION FACTOR	FUNCTION LABEL
DAMPING RATIO	0.050			
DIRECTION FACTOR	0.000	U1	772.80	5DAMP
MODAL COMBINATION	CQC	U2	0.00	0
COORDINATE SYSTEM	0	U3	0.00	0
COORDINATE ANGLE	0			

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L O A D C O M B I N A T I O N M U L T I P L I E R S

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 COMBO LABEL              DEADLOAD
 COMBO TYPE                    ABS

                 LOAD MODE    SPEC    HIST    MOVE   COMBO     SCALE
                LABEL  NUM   LABEL   LABEL   LABEL   LABEL    FACTOR

                 DEAD                                          1.000
             MANIFOLD                                          1.000
                 TBAR                                          1.000
             TOPCOVER                                          1.000
              PEWALLS                                          1.000
             HOTBASIN                                          1.000
             DRIFTELM                                          1.000
             FANMOTOR                                          1.000
             CABLETRY                                          1.000
             LOUVERWL                                          1.000
              SECDIST                                          1.000
             ANGLEWAL                                          1.000
             NOTRIANG                                          1.000


C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE   25
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 O U T P U T   S E L E C T I O N

 DISPLACEMENTS AT JOINTS

      LOAD     MODES      SPEC      HIST      MOVE      COMB
     LABEL               LABEL     LABEL     LABEL     LABEL

                         HORIZ

 REACTIONS AT JOINTS

      LOAD     MODES      SPEC      HIST      MOVE      COMB
     LABEL               LABEL     LABEL     LABEL     LABEL

                         HORIZ

 INTERNAL FORCES AT ELEMENT FRAME

      LOAD     MODES      SPEC      HIST      MOVE      COMB
     LABEL               LABEL     LABEL     LABEL     LABEL

                         HORIZ


C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE   26
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 I N P U T   C O M P L E T E
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Program SAP2000 Nonlinear Version 7.40                 File:Bent C Seismic.LOG



B E G I N   A N A L Y S I S                              2005/04/05  19:42:36

MAXIMUM MEMORY BLOCK SIZE (BYTES)         =       7.629 MB


E L E M E N T   F O R M A T I O N                                    19:42:36

NUMBER OF JOINT  ELEMENTS FORMED          =         244
NUMBER OF SPRING ELEMENTS FORMED          =           0
NUMBER OF FRAME  ELEMENTS FORMED          =         418
NUMBER OF CONSTRAINTS FORMED              =          19


E Q U A T I O N   S O L U T I O N                                    19:42:38

TOTAL NUMBER OF EQUILIBRIUM EQUATIONS     =         674
APPROXIMATE "EFFECTIVE" BAND WIDTH        =          29

NUMBER OF EQUATION STORAGE BLOCKS         =           1
MAXIMUM BLOCK SIZE (8-BYTE TERMS)         =       19549
SIZE OF STIFFNESS FILE(S) (BYTES)         =     155.375 KB

NUMBER OF EQUATIONS TO SOLVE              =         674
NUMBER OF STATIC LOAD CASES               =          13
NUMBER OF ACCELERATION LOADS              =           6
NUMBER OF NONLINEAR DEFORMATION LOADS     =           0


E I G E N   A N A L Y S I S                                          19:42:40

NUMBER OF STIFFNESS DEGREES OF FREEDOM    =         674
NUMBER OF MASS DEGREES OF FREEDOM         =         428
NUMBER OF EIGEN MODES SOUGHT              =         998
NUMBER OF RESIDUAL-MASS MODES SOUGHT      =           2
NUMBER OF SUBSPACE VECTORS USED           =          20

RELATIVE CONVERGENCE TOLERANCE            =    1.00E-05
FREQUENCY SHIFT  (CENTER) (CYC/TIME)      =     .000000
FREQUENCY CUTOFF (RADIUS) (CYC/TIME)      =   33.000000

* * * W A R N I N G * * *
NUMBER OF MODES SOUGHT REDUCED TO THE NUMBER OF MASS DEGREES OF FREEDOM


NUMBER OF EIGEN MODES FOUND               =          80
NUMBER OF ITERATIONS PERFORMED            =          73

NON-ZERO RESIDUAL-MASS MODES SOUGHT       =       UX,UZ
SIGNIFICANT RESIDUAL-MASS MODES FOUND     =       UX,UZ


R E S P O N S E - S P E C T R U M   A N A L Y S I S                  19:43:13

NUMBER OF SPEC ANALYSES PERFORMED         =           1


J O I N T   O U T P U T                                              19:43:13
```

G L O B A L F O R C E B A L A N C E R E L A T I V E E R R O R S

PERCENT FORCE AND MOMENT ERROR AT THE ORIGIN, IN GLOBAL COORDINATES

LOAD	FX	FY	FZ	MX	MY	MZ
DEAD	3.39E-15	1.98E-32	1.29E-13	4.07E-14	1.52E-13	6.93E-16
MANIFOLD	5.74E-15	.000000	1.72E-13	3.99E-14	2.03E-13	1.31E-15
TBAR	1.04E-16	.000000	1.14E-13	2.61E-14	1.23E-13	9.80E-17
TOPCOVER	2.68E-15	.000000	1.66E-13	4.00E-14	1.98E-13	6.87E-16
PEWALLS	1.21E-15	.000000	2.51E-13	5.17E-14	2.66E-13	6.88E-17
HOTBASIN	2.70E-15	.000000	1.72E-13	3.90E-14	2.05E-13	6.17E-16
DRIFTELM	.000000	.000000	.000000	.000000	.000000	.000000
FANMOTOR	8.83E-15	.000000	6.75E-15	1.63E-15	3.85E-15	2.07E-15
CABLETRY	3.75E-17	.000000	2.49E-13	5.55E-14	5.92E-14	1.82E-16
LOUVERWL	1.43E-15	.000000	9.77E-14	2.16E-14	1.03E-13	3.49E-16
SECDIST	4.96E-15	.000000	1.17E-13	2.59E-14	5.50E-14	6.39E-16
ANGLEWAL	5.84E-16	.000000	1.62E-13	3.73E-14	1.61E-13	1.03E-16
NOTRIANG	.000000	.000000	.000000	.000000	.000000	.000000

MODE	FX	FY	FZ	MX	MY	MZ
1	0.002317	.000000	0.000730	0.000143	0.001114	0.000454
2	0.016169	.000000	0.009126	0.001659	0.021827	0.002939
3	0.008389	.000000	0.031084	0.005466	0.022273	0.001475
4	0.036378	.000000	0.031631	0.007149	0.006021	0.008222
5	0.000638	.000000	0.016116	0.003643	0.020146	0.000144
6	0.013538	.000000	0.046385	0.013454	0.054113	0.003927
7	0.002473	.000000	0.007750	0.001752	0.008841	0.000559
8	0.007387	.000000	0.013648	0.002400	0.009189	0.001299
9	0.013395	.000000	0.033626	0.005913	0.028648	0.002356
10	0.016401	.000000	0.049955	0.011291	0.051590	0.003707
11	0.040750	.000000	0.021665	0.006102	0.027271	0.011476
12	0.010958	.000000	0.006477	0.001464	0.002446	0.002477
13	0.018306	.000000	0.006860	0.001551	0.000548	0.004138
14	0.052873	.000000	0.060977	0.010722	0.043477	0.009297
15	0.031517	.000000	0.009018	0.001586	0.091266	0.005542
16	0.605449	.000000	0.176701	0.039939	0.044689	0.136846
17	0.362073	.000000	0.025897	0.005853	0.163358	0.081837
18	0.640315	.000000	0.055131	0.012461	0.316447	0.144726
19	0.075206	.000000	0.036579	0.010610	0.003849	0.021814
20	0.006518	.000000	0.004902	0.001422	0.075053	0.001891
21	0.521412	.000000	0.221141	0.038887	0.281705	0.091688
22	0.037690	.000000	0.205570	0.036148	0.210990	0.006628
23	0.386245	.000000	0.385971	0.087239	3.045663	0.087301
24	1.284688	.000000	1.804203	0.407793	0.888398	0.290370
25	0.143865	.000000	0.046573	0.008190	0.110881	0.025298
26	1.358940	.000000	0.645769	0.145959	0.886719	0.307153
27	0.073802	.000000	0.072500	0.016387	0.581317	0.016681
28	0.655631	.000000	2.167023	0.381060	0.421998	0.115289
29	0.788083	.000000	0.292986	0.051520	0.342944	0.138580
30	0.048693	.000000	0.106594	0.018744	0.099666	0.008562
31	0.260527	.000000	0.235538	0.053237	0.202197	0.058885
32	7.417882	.000000	5.715728	1.005082	7.953596	1.304398
33	1.624571	.000000	0.361874	0.072696	0.284432	0.326354
34	0.044272	.000000	0.083430	0.016882	0.039143	0.008958
35	0.397230	.000000	0.839356	0.147597	0.263024	0.069851
36	1.966266	.000000	0.332125	0.058403	1.673494	0.345758
37	1.451556	.000000	0.513920	0.090370	1.218961	0.255249
38	0.080937	.000000	0.358811	0.081100	0.350547	0.018294
39	0.269453	.000000	0.121827	0.029099	0.002986	0.064360
40	0.360840	.000000	0.072989	0.021171	0.375247	0.104664
41	0.602152	.000000	0.139600	0.040492	1.095888	0.174658
42	0.545102	.000000	0.366527	0.106313	0.422658	0.158110
43	0.178674	.000000	0.171972	0.047780	0.315708	0.049642

44	0.020809	.000000	0.006237	0.001809	0.013218	0.006036
45	0.010188	.000000	0.017783	0.005158	0.018903	0.002955
46	0.873116	.000000	0.649685	0.125294	2.463286	0.168383
47	0.043803	.000000	0.034883	0.010118	0.180290	0.012705
48	0.046450	.000000	0.075305	0.021843	0.125551	0.013473
49	0.189229	.000000	0.181947	0.052775	0.454940	0.054887
50	0.395320	.000000	0.641018	0.185931	2.207050	0.114665
51	0.075840	.000000	0.104848	0.030412	0.023068	0.021998
52	0.595685	.000000	0.132184	0.038341	1.093449	0.172782
53	6.514921	.000000	1.394301	0.315145	8.894278	1.472527
54	2.082836	.000000	0.372711	0.108107	3.435055	0.604138
55	0.286523	.000000	0.061223	0.017758	0.302434	0.083108
56	0.691139	.000000	0.466450	0.082023	0.270181	0.121533
57	0.544051	.000000	0.562047	0.107471	0.173019	0.104030
58	0.811485	.000000	1.353298	0.237971	0.571560	0.142696
59	1.756099	.000000	0.098059	0.022164	2.150487	0.396920
60	0.381756	.000000	0.028541	0.005019	0.377480	0.067130
61	0.113964	.000000	0.161279	0.036453	0.050986	0.025759
62	0.174028	.000000	0.562874	0.118837	0.451246	0.036742
63	0.169482	.000000	0.260144	0.045745	0.053609	0.029803
64	0.003517	.000000	0.096449	0.021800	0.091536	0.000795
65	0.006266	.000000	0.046559	0.008187	0.048425	0.001102
66	0.187308	.000000	0.337839	0.059407	0.100736	0.032937
67	0.234227	.000000	0.191858	0.033737	0.008907	0.041188
68	0.193471	.000000	0.347178	0.078470	0.098639	0.043729
69	0.051516	.000000	0.059079	0.013353	0.075943	0.011644
70	0.127471	.000000	0.195574	0.034391	0.046393	0.022415
71	0.003396	.000000	0.020082	0.004247	0.003078	0.000718
72	0.077268	.000000	0.009095	0.002056	0.155939	0.017464
73	0.037471	.000000	0.046896	0.008246	0.000269	0.006589
74	0.014365	.000000	0.488872	0.110497	0.399677	0.003247
75	0.001221	.000000	0.063965	0.014458	0.005399	0.000276
76	0.085400	.000000	0.037704	0.006630	0.085750	0.015017
77	1.180110	.000000	0.576709	0.101411	1.777822	0.207517
78	0.120236	.000000	0.036376	0.007602	0.050235	0.025128
79	0.053269	.000000	0.011280	0.002208	0.047320	0.010425
80	0.039028	.000000	0.072386	0.012729	0.095419	0.006863
81	9.180888	.000000	0.237838	0.068986	4.592936	2.662969
82	0.247343	.000000	14.933889	3.375414	14.452084	0.055905

SPEC	FX	FY	FZ	MX	MY	MZ
HORIZ	0.051409	.000000	0.004954	0.000975	0.017684	0.010119

COMB MAX/MIN	FX	FY	FZ	MX	MY	MZ
DEADLOAD	2.93E-15	5.22E-34	1.55E-13	3.60E-14	1.74E-13	6.89E-16
DEADLOAD	2.93E-15	5.22E-34	1.55E-13	3.60E-14	1.74E-13	6.89E-16

E L E M E N T J O I N T - F O R C E O U T P U T 19:43:17

NUMBER OF JOINT ELEMENTS SAVED = 244
NUMBER OF FRAME ELEMENTS SAVED = 418

E L E M E N T O U T P U T 19:43:20

NUMBER OF FRAME ELEMENTS SAVED = 418
NUMBER OF FRAME ELEMENTS PRINTED = 418

A N A L Y S I S C O M P L E T E 2005/04/05 19:43:27

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                    S A P 2 0 0 0 (R)

                Structural Analysis Programs

                   Nonlinear Version 7.40

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        It is the responsibility of the user to verify all
                 results produced by this program

                      5 Apr 2005  19:42:36


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                                                                      Page
                                                                         1

D I S P L A C E M E N T   D E G R E E S   O F   F R E E D O M

        (A) = Active DOF, equilibrium equation
        (-) = Restrained DOF, reaction computed
        (+) = Constrained DOF
        (>) = External substructure DOF
        ( ) = Null DOF

 JOINTS              UX  UY  UZ  RX  RY  RZ
      1 TO       2    A       A       A
     D1 TO      D9    -   -   -       A
     F1 TO      L9    A       A       A
     M1 TO      P1    +       A       A
     P2 TO      P6    A       A       A
     P7               +       A       A
     P8               A       A       A
     P9               +       A       A
    D10 TO     D15    -   -   -       A
    F10 TO     L15    A       A       A
    M10 TO     O15    +       A       A
    P10 TO     P14    A       A       A
    P15               +       A       A
  1FIL1 TO   4FIL9    A       A       A
  5FIL1 TO   5FIL9    +       A       A
 1FIL10 TO  4FIL15    A       A       A
 5FIL10 TO  5FIL15    +       A       A

 CONSTRAINTS         U1  U2  U3  R1  R2  R3
    NM1 TO    PO15    A


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                                                                      Page
                                                                         2

A S S E M B L E D   J O I N T   M A S S E S
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IN GLOBAL COORDINATES

JOINT	UX	UY	UZ	RX	RY	RZ
1	0.110718	0.110718	0.110718	.000000	.000000	.000000
2	0.110718	0.110718	0.110718	.000000	.000000	.000000
D1	0.326378	0.326378	0.326378	.000000	.000000	.000000
D2	0.303615	0.303615	0.303615	.000000	.000000	.000000
D3	0.303615	0.303615	0.303615	.000000	.000000	.000000
D4	0.303615	0.303615	0.303615	.000000	.000000	.000000
D5	0.303615	0.303615	0.303615	.000000	.000000	.000000
D6	0.303615	0.303615	0.303615	.000000	.000000	.000000
D7	0.351578	0.351578	0.351578	.000000	.000000	.000000
D8	0.685740	0.685740	0.685740	.000000	.000000	.000000
D9	0.351578	0.351578	0.351578	.000000	.000000	.000000
F1	0.504629	0.504629	0.504629	.000000	.000000	.000000
F2	0.667268	0.667268	0.667268	.000000	.000000	.000000
F3	0.585721	0.585721	0.585721	.000000	.000000	.000000
F4	0.563947	0.563947	0.563947	.000000	.000000	.000000
F5	0.585721	0.585721	0.585721	.000000	.000000	.000000
F6	0.667268	0.667268	0.667268	.000000	.000000	.000000
F7	0.667268	0.667268	0.667268	.000000	.000000	.000000
F8	1.033447	1.033447	1.033447	.000000	.000000	.000000
F9	0.667268	0.667268	0.667268	.000000	.000000	.000000
G1	0.403092	0.403092	0.403092	.000000	.000000	.000000
G2	0.475084	0.475084	0.475084	.000000	.000000	.000000
G3	0.453309	0.453309	0.453309	.000000	.000000	.000000
G4	0.453309	0.453309	0.453309	.000000	.000000	.000000
G5	0.453309	0.453309	0.453309	.000000	.000000	.000000
G6	0.475084	0.475084	0.475084	.000000	.000000	.000000
G7	0.453309	0.453309	0.453309	.000000	.000000	.000000
G8	0.819809	0.819809	0.819809	.000000	.000000	.000000
G9	0.475084	0.475084	0.475084	.000000	.000000	.000000
H1	1.017146	1.017146	1.017146	.000000	.000000	.000000
H2	0.468038	0.468038	0.468038	.000000	.000000	.000000
H3	0.556982	0.556982	0.556982	.000000	.000000	.000000
H4	0.446264	0.446264	0.446264	.000000	.000000	.000000
H5	0.556982	0.556982	0.556982	.000000	.000000	.000000
H6	0.556982	0.556982	0.556982	.000000	.000000	.000000
H7	0.468038	0.468038	0.468038	.000000	.000000	.000000
H8	0.812764	0.812764	0.812764	.000000	.000000	.000000
H9	0.446264	0.446264	0.446264	.000000	.000000	.000000
I1	0.463055	0.463055	0.463055	.000000	.000000	.000000
I2	0.455472	0.455472	0.455472	.000000	.000000	.000000
I3	0.477247	0.477247	0.477247	.000000	.000000	.000000
I4	0.455472	0.455472	0.455472	.000000	.000000	.000000
I5	0.455472	0.455472	0.455472	.000000	.000000	.000000
I6	0.477247	0.477247	0.477247	.000000	.000000	.000000
I7	0.455472	0.455472	0.455472	.000000	.000000	.000000
I8	0.958372	0.958372	0.958372	.000000	.000000	.000000
I9	0.477247	0.477247	0.477247	.000000	.000000	.000000
J1	1.170455	1.170455	1.170455	.000000	.000000	.000000
J2	0.483972	0.483972	0.483972	.000000	.000000	.000000
J3	0.505747	0.505747	0.505747	.000000	.000000	.000000
J4	0.677729	0.677729	0.677729	.000000	.000000	.000000
J5	0.567011	0.567011	0.567011	.000000	.000000	.000000
J6	0.505747	0.505747	0.505747	.000000	.000000	.000000
J7	0.483972	0.483972	0.483972	.000000	.000000	.000000
J8	1.123272	1.123272	1.123272	.000000	.000000	.000000
J9	0.483972	0.483972	0.483972	.000000	.000000	.000000
K1	0.622655	0.622655	0.622655	.000000	.000000	.000000
K2	0.521247	0.521247	0.521247	.000000	.000000	.000000
K3	0.499472	0.499472	0.499472	.000000	.000000	.000000
K4	0.499472	0.499472	0.499472	.000000	.000000	.000000

K5	0.499472	0.499472	0.499472	.000000	.000000	.000000
K6	0.499472	0.499472	0.499472	.000000	.000000	.000000
K7	0.521247	0.521247	0.521247	.000000	.000000	.000000
K8	1.275172	1.275172	1.275172	.000000	.000000	.000000
K9	0.521247	0.521247	0.521247	.000000	.000000	.000000
L1	1.321500	1.321500	1.321500	.000000	.000000	.000000
L2	0.519518	0.519518	0.519518	.000000	.000000	.000000
L3	0.600281	0.600281	0.600281	.000000	.000000	.000000
L4	0.547197	0.547197	0.547197	.000000	.000000	.000000
L5	0.572601	0.572601	0.572601	.000000	.000000	.000000
L6	0.519518	0.519518	0.519518	.000000	.000000	.000000
L7	0.519518	0.519518	0.519518	.000000	.000000	.000000
L8	1.431618	1.431618	1.431618	.000000	.000000	.000000
L9	0.519518	0.519518	0.519518	.000000	.000000	.000000
M1	1.067273	1.067273	1.067273	.000000	.000000	.000000
M2	0.415394	0.415394	0.415394	.000000	.000000	.000000
M3	0.389991	0.389991	0.389991	.000000	.000000	.000000
M4	0.389991	0.389991	0.389991	.000000	.000000	.000000
M5	0.389991	0.389991	0.389991	.000000	.000000	.000000
M6	0.415394	0.415394	0.415394	.000000	.000000	.000000
M7	0.389991	0.389991	0.389991	.000000	.000000	.000000
M8	1.077991	1.077991	1.077991	.000000	.000000	.000000
M9	0.389991	0.389991	0.389991	.000000	.000000	.000000
N1	8.878552	8.878552	8.878552	.000000	.000000	.000000
N2	16.804021	16.804021	16.804021	.000000	.000000	.000000
N3	19.568434	19.568434	19.568434	.000000	.000000	.000000
N4	18.319434	18.319434	18.319434	.000000	.000000	.000000
N5	17.785234	17.785234	17.785234	.000000	.000000	.000000
N6	18.023621	18.023621	18.023621	.000000	.000000	.000000
N7	16.687769	16.687769	16.687769	.000000	.000000	.000000
N8	16.775934	16.775934	16.775934	.000000	.000000	.000000
N9	16.687769	16.687769	16.687769	.000000	.000000	.000000
O1	0.216746	0.216746	0.216746	.000000	.000000	.000000
O7	0.380746	0.380746	0.380746	.000000	.000000	.000000
O9	0.380746	0.380746	0.380746	.000000	.000000	.000000
P1	5.468030	5.468030	5.468030	.000000	.000000	.000000
P2	9.644389	9.644389	9.644389	.000000	.000000	.000000
P3	9.644389	9.644389	9.644389	.000000	.000000	.000000
P4	10.735089	10.735089	10.735089	.000000	.000000	.000000
P5	10.735089	10.735089	10.735089	.000000	.000000	.000000
P6	9.644389	9.644389	9.644389	.000000	.000000	.000000
P7	9.379894	9.379894	9.379894	.000000	.000000	.000000
P8	9.644389	9.644389	9.644389	.000000	.000000	.000000
P9	9.379894	9.379894	9.379894	.000000	.000000	.000000
D10	0.303615	0.303615	0.303615	.000000	.000000	.000000
D11	0.303615	0.303615	0.303615	.000000	.000000	.000000
D12	0.303615	0.303615	0.303615	.000000	.000000	.000000
D13	0.303615	0.303615	0.303615	.000000	.000000	.000000
D14	0.303615	0.303615	0.303615	.000000	.000000	.000000
D15	0.637778	0.637778	0.637778	.000000	.000000	.000000
F10	0.689043	0.689043	0.689043	.000000	.000000	.000000
F11	0.563947	0.563947	0.563947	.000000	.000000	.000000
F12	0.563947	0.563947	0.563947	.000000	.000000	.000000
F13	0.585721	0.585721	0.585721	.000000	.000000	.000000
F14	0.667268	0.667268	0.667268	.000000	.000000	.000000
F15	1.015329	1.015329	1.015329	.000000	.000000	.000000
G10	0.453309	0.453309	0.453309	.000000	.000000	.000000
G11	0.453309	0.453309	0.453309	.000000	.000000	.000000
G12	0.453309	0.453309	0.453309	.000000	.000000	.000000
G13	0.453309	0.453309	0.453309	.000000	.000000	.000000
G14	0.475084	0.475084	0.475084	.000000	.000000	.000000
G15	0.801692	0.801692	0.801692	.000000	.000000	.000000
H10	0.578757	0.578757	0.578757	.000000	.000000	.000000

H11	0.556982	0.556982	0.556982	.000000	.000000	.000000
H12	0.446264	0.446264	0.446264	.000000	.000000	.000000
H13	0.578757	0.578757	0.578757	.000000	.000000	.000000
H14	0.446264	0.446264	0.446264	.000000	.000000	.000000
H15	0.794646	0.794646	0.794646	.000000	.000000	.000000
I10	0.455472	0.455472	0.455472	.000000	.000000	.000000
I11	0.455472	0.455472	0.455472	.000000	.000000	.000000
I12	0.455472	0.455472	0.455472	.000000	.000000	.000000
I13	0.455472	0.455472	0.455472	.000000	.000000	.000000
I14	0.477247	0.477247	0.477247	.000000	.000000	.000000
I15	0.940255	0.940255	0.940255	.000000	.000000	.000000
J10	0.505747	0.505747	0.505747	.000000	.000000	.000000
J11	0.567011	0.567011	0.567011	.000000	.000000	.000000
J12	0.677729	0.677729	0.677729	.000000	.000000	.000000
J13	0.505747	0.505747	0.505747	.000000	.000000	.000000
J14	0.483972	0.483972	0.483972	.000000	.000000	.000000
J15	1.105155	1.105155	1.105155	.000000	.000000	.000000
K10	0.499472	0.499472	0.499472	.000000	.000000	.000000
K11	0.499472	0.499472	0.499472	.000000	.000000	.000000
K12	0.499472	0.499472	0.499472	.000000	.000000	.000000
K13	0.499472	0.499472	0.499472	.000000	.000000	.000000
K14	0.521247	0.521247	0.521247	.000000	.000000	.000000
K15	1.257055	1.257055	1.257055	.000000	.000000	.000000
L10	0.519518	0.519518	0.519518	.000000	.000000	.000000
L11	0.572601	0.572601	0.572601	.000000	.000000	.000000
L12	0.572601	0.572601	0.572601	.000000	.000000	.000000
L13	0.600281	0.600281	0.600281	.000000	.000000	.000000
L14	0.519518	0.519518	0.519518	.000000	.000000	.000000
L15	1.413500	1.413500	1.413500	.000000	.000000	.000000
M10	0.415394	0.415394	0.415394	.000000	.000000	.000000
M11	0.389991	0.389991	0.389991	.000000	.000000	.000000
M12	0.389991	0.389991	0.389991	.000000	.000000	.000000
M13	0.415394	0.415394	0.415394	.000000	.000000	.000000
M14	0.415394	0.415394	0.415394	.000000	.000000	.000000
M15	1.059873	1.059873	1.059873	.000000	.000000	.000000
N10	16.804021	16.804021	16.804021	.000000	.000000	.000000
N11	16.775934	16.775934	16.775934	.000000	.000000	.000000
N12	16.775934	16.775934	16.775934	.000000	.000000	.000000
N13	16.775934	16.775934	16.775934	.000000	.000000	.000000
N14	16.804021	16.804021	16.804021	.000000	.000000	.000000
N15	16.751652	16.751652	16.751652	.000000	.000000	.000000
O15	0.380746	0.380746	0.380746	.000000	.000000	.000000
P10	9.644389	9.644389	9.644389	.000000	.000000	.000000
P11	10.735089	10.735089	10.735089	.000000	.000000	.000000
P12	10.735089	10.735089	10.735089	.000000	.000000	.000000
P13	9.644389	9.644389	9.644389	.000000	.000000	.000000
P14	9.644389	9.644389	9.644389	.000000	.000000	.000000
P15	9.320130	9.320130	9.320130	.000000	.000000	.000000
1FIL1	0.102236	0.102236	0.102236	.000000	.000000	.000000
1FIL2	0.160436	0.160436	0.160436	.000000	.000000	.000000
1FIL3	0.160436	0.160436	0.160436	.000000	.000000	.000000
1FIL4	0.160436	0.160436	0.160436	.000000	.000000	.000000
1FIL5	0.160436	0.160436	0.160436	.000000	.000000	.000000
1FIL6	0.160436	0.160436	0.160436	.000000	.000000	.000000
1FIL7	0.160436	0.160436	0.160436	.000000	.000000	.000000
1FIL8	0.160436	0.160436	0.160436	.000000	.000000	.000000
1FIL9	0.160436	0.160436	0.160436	.000000	.000000	.000000
2FIL1	0.956983	0.956983	0.956983	.000000	.000000	.000000
2FIL2	0.643583	0.643583	0.643583	.000000	.000000	.000000
2FIL3	0.643583	0.643583	0.643583	.000000	.000000	.000000
2FIL4	0.643583	0.643583	0.643583	.000000	.000000	.000000
2FIL5	0.643583	0.643583	0.643583	.000000	.000000	.000000
2FIL6	0.643583	0.643583	0.643583	.000000	.000000	.000000

2FIL7	0.643583	0.643583	0.643583	.000000	.000000	.000000
2FIL8	0.643583	0.643583	0.643583	.000000	.000000	.000000
2FIL9	0.643583	0.643583	0.643583	.000000	.000000	.000000
3FIL1	1.240891	1.240891	1.240891	.000000	.000000	.000000
3FIL2	1.225391	1.225391	1.225391	.000000	.000000	.000000
3FIL3	1.225391	1.225391	1.225391	.000000	.000000	.000000
3FIL4	1.225391	1.225391	1.225391	.000000	.000000	.000000
3FIL5	1.225391	1.225391	1.225391	.000000	.000000	.000000
3FIL6	1.225391	1.225391	1.225391	.000000	.000000	.000000
3FIL7	1.225391	1.225391	1.225391	.000000	.000000	.000000
3FIL8	1.225391	1.225391	1.225391	.000000	.000000	.000000
3FIL9	1.225391	1.225391	1.225391	.000000	.000000	.000000
4FIL1	1.670691	1.670691	1.670691	.000000	.000000	.000000
4FIL2	2.084991	2.084991	2.084991	.000000	.000000	.000000
4FIL3	2.084991	2.084991	2.084991	.000000	.000000	.000000
4FIL4	2.084991	2.084991	2.084991	.000000	.000000	.000000
4FIL5	2.084991	2.084991	2.084991	.000000	.000000	.000000
4FIL6	2.084991	2.084991	2.084991	.000000	.000000	.000000
4FIL7	2.084991	2.084991	2.084991	.000000	.000000	.000000
4FIL8	2.084991	2.084991	2.084991	.000000	.000000	.000000
4FIL9	2.084991	2.084991	2.084991	.000000	.000000	.000000
5FIL1	1.644904	1.644904	1.644904	.000000	.000000	.000000
5FIL2	1.693904	1.693904	1.693904	.000000	.000000	.000000
5FIL3	1.693904	1.693904	1.693904	.000000	.000000	.000000
5FIL4	1.693904	1.693904	1.693904	.000000	.000000	.000000
5FIL5	1.693904	1.693904	1.693904	.000000	.000000	.000000
5FIL6	1.693904	1.693904	1.693904	.000000	.000000	.000000
5FIL7	1.693904	1.693904	1.693904	.000000	.000000	.000000
5FIL8	1.693904	1.693904	1.693904	.000000	.000000	.000000
5FIL9	1.693904	1.693904	1.693904	.000000	.000000	.000000
1FIL10	0.160436	0.160436	0.160436	.000000	.000000	.000000
1FIL11	0.160436	0.160436	0.160436	.000000	.000000	.000000
1FIL12	0.160436	0.160436	0.160436	.000000	.000000	.000000
1FIL13	0.160436	0.160436	0.160436	.000000	.000000	.000000
1FIL14	0.160436	0.160436	0.160436	.000000	.000000	.000000
1FIL15	0.160436	0.160436	0.160436	.000000	.000000	.000000
2FIL10	0.643583	0.643583	0.643583	.000000	.000000	.000000
2FIL11	0.643583	0.643583	0.643583	.000000	.000000	.000000
2FIL12	0.643583	0.643583	0.643583	.000000	.000000	.000000
2FIL13	0.643583	0.643583	0.643583	.000000	.000000	.000000
2FIL14	0.643583	0.643583	0.643583	.000000	.000000	.000000
2FIL15	0.643583	0.643583	0.643583	.000000	.000000	.000000
3FIL10	1.225391	1.225391	1.225391	.000000	.000000	.000000
3FIL11	1.225391	1.225391	1.225391	.000000	.000000	.000000
3FIL12	1.225391	1.225391	1.225391	.000000	.000000	.000000
3FIL13	1.225391	1.225391	1.225391	.000000	.000000	.000000
3FIL14	1.225391	1.225391	1.225391	.000000	.000000	.000000
3FIL15	1.225391	1.225391	1.225391	.000000	.000000	.000000
4FIL10	2.084991	2.084991	2.084991	.000000	.000000	.000000
4FIL11	2.084991	2.084991	2.084991	.000000	.000000	.000000
4FIL12	2.084991	2.084991	2.084991	.000000	.000000	.000000
4FIL13	2.084991	2.084991	2.084991	.000000	.000000	.000000
4FIL14	2.084991	2.084991	2.084991	.000000	.000000	.000000
4FIL15	2.084991	2.084991	2.084991	.000000	.000000	.000000
5FIL10	1.693904	1.693904	1.693904	.000000	.000000	.000000
5FIL11	1.693904	1.693904	1.693904	.000000	.000000	.000000
5FIL12	1.693904	1.693904	1.693904	.000000	.000000	.000000
5FIL13	1.693904	1.693904	1.693904	.000000	.000000	.000000
5FIL14	1.693904	1.693904	1.693904	.000000	.000000	.000000
5FIL15	1.693904	1.693904	1.693904	.000000	.000000	.000000

T O T A L A S S E M B L E D J O I N T M A S S E S

IN GLOBAL COORDINATES

	UX	UY	UZ	RX	RY	RZ
TOTAL	560.187885	560.187885	560.187885	.000000	.000000	.000000

T O T A L A C C E L E R A T E D M A S S A N D L O C A T I O N

TOTAL MASS ACTIVATED BY ACCELERATION LOADS, IN GLOBAL COORDINATES

	UX	UY	UZ
MASS	554.798680	.000000	554.798680
X-LOC	513.328095	.000000	513.328095
Y-LOC	120.000000	.000000	120.000000
Z-LOC	545.392716	.000000	545.392716

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M O D A L P E R I O D S A N D F R E Q U E N C I E S

MODE	PERIOD (TIME)	FREQUENCY (CYC/TIME)	FREQUENCY (RAD/TIME)	EIGENVALUE (RAD/TIME)**2
1	0.459216	2.177623	13.682410	187.208334
2	0.229629	4.354851	27.362336	748.697456
3	0.176228	5.674452	35.653633	1271.182
4	0.168403	5.938139	37.310427	1392.068
5	0.160650	6.224720	39.111071	1529.676
6	0.159156	6.283133	39.478088	1558.519
7	0.146312	6.834722	42.943827	1844.172
8	0.144628	6.914308	43.443878	1887.371
9	0.139132	7.187412	45.159842	2039.411
10	0.130569	7.658765	48.121441	2315.673
11	0.122601	8.156539	51.249045	2626.465
12	0.121626	8.221914	51.659810	2668.736
13	0.119833	8.344914	52.432640	2749.182
14	0.114945	8.699841	54.662710	2988.012
15	0.104167	9.600014	60.318666	3638.342
16	0.100834	9.917278	62.312095	3882.797
17	0.096599	10.352095	65.044129	4230.739
18	0.094701	10.559591	66.347865	4402.039
19	0.091544	10.923726	68.635793	4710.872
20	0.088418	11.309881	71.062081	5049.819
21	0.086531	11.556572	72.612086	5272.515
22	0.085574	11.685822	73.424186	5391.111
23	0.081106	12.329551	77.468853	6001.423
24	0.079405	12.593598	79.127912	6261.226
25	0.078486	12.741099	80.054684	6408.752
26	0.077994	12.821527	80.560028	6489.918
27	0.077722	12.866328	80.841525	6535.352
28	0.077563	12.892716	81.007324	6562.187
29	0.077438	12.913481	81.137796	6583.342
30	0.077360	12.926598	81.220210	6596.722
31	0.077287	12.938774	81.296715	6609.156
32	0.077249	12.945185	81.336997	6615.707
33	0.077241	12.946562	81.345647	6617.114
34	0.076747	13.029808	81.868700	6702.484
35	0.074605	13.403981	84.219699	7092.958
36	0.072608	13.772524	86.535320	7488.362

37	0.072282	13.834789	86.926544	7556.224
38	0.062973	15.879921	99.776487	9955.347
39	0.060277	16.589989	104.237973	10865.555
40	0.059654	16.763253	105.326625	11093.698
41	0.055081	18.155006	114.071269	13012.254
42	0.053603	18.655505	117.215993	13739.589
43	0.052804	18.937965	118.990743	14158.797
44	0.052694	18.977399	119.238515	14217.824
45	0.052372	19.094332	119.973225	14393.575
46	0.052061	19.208354	120.689645	14565.990
47	0.051797	19.306012	121.303251	14714.479
48	0.051607	19.377351	121.751489	14823.425
49	0.051456	19.433933	122.107003	14910.120
50	0.051364	19.468731	122.325643	14963.563
51	0.051282	19.500119	122.522859	15011.851
52	0.051248	19.513092	122.604371	15031.832
53	0.051211	19.526925	122.691288	15053.152
54	0.051187	19.536070	122.748747	15067.255
55	0.049978	20.008684	125.718272	15805.084
56	0.046232	21.630080	135.905799	18470.386
57	0.043500	22.988639	144.441880	20863.457
58	0.041341	24.188785	151.982617	23098.716
59	0.039287	25.453455	159.928772	25577.212
60	0.038829	25.753955	161.816872	26184.700
61	0.037749	26.490498	166.444706	27703.840
62	0.037057	26.985534	169.555108	28748.935
63	0.036704	27.244626	171.183034	29303.631
64	0.036490	27.404996	172.190668	29649.626
65	0.036114	27.690340	173.983536	30270.271
66	0.035982	27.791886	174.621573	30492.694
67	0.035711	28.002357	175.943998	30956.290
68	0.035432	28.223212	177.331673	31446.522
69	0.035332	28.302605	177.830509	31623.690
70	0.035027	28.549771	179.383504	32178.441
71	0.034946	28.615603	179.797138	32327.011
72	0.034650	28.859635	181.330433	32880.726
73	0.034228	29.215981	183.569420	33697.732
74	0.034048	29.369991	184.537093	34053.939
75	0.033689	29.683214	186.505132	34784.164
76	0.033053	30.254266	190.093158	36135.409
77	0.032648	30.630084	192.454492	37038.732
78	0.031697	31.548698	198.226317	39293.673
79	0.030779	32.489524	204.137698	41672.200
80	0.030527	32.757524	205.821591	42362.527
-------- THE FOLLOWING ARE RESIDUAL-MASS MODES --------				
81	0.019806	50.489529	317.235067	100638.088
82	0.025141	39.775416	249.916308	62458.161

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M O D A L P A R T I C I P A T I O N F A C T O R S

FOR UNIT ACCELERATION LOADS IN GLOBAL COORDINATES

MODE	PERIOD	UX	UY	UZ
1	0.459216	22.123280	.000000	-0.144657
2	0.229629	-0.927406	.000000	-0.845493
3	0.176228	0.695022	.000000	2.742320
4	0.168403	-0.667686	.000000	2.426749
5	0.160650	-3.68E-05	.000000	-6.072644

6	0.159156	5.668772	.000000	0.845875
7	0.146312	0.987538	.000000	-15.413728
8	0.144628	-1.252808	.000000	-12.292441
9	0.139132	0.018708	.000000	-1.217596
10	0.130569	0.639267	.000000	-5.403592
11	0.122601	1.546067	.000000	-1.239971
12	0.121626	-0.851048	.000000	-4.541204
13	0.119833	-0.279656	.000000	3.604642
14	0.114945	0.314633	.000000	-0.069382
15	0.104167	0.919365	.000000	-0.320617
16	0.100834	0.232639	.000000	0.434252
17	0.096599	0.050829	.000000	-0.702019
18	0.094701	0.154810	.000000	-0.694255
19	0.091544	-2.072131	.000000	-0.467460
20	0.088418	-1.378303	.000000	0.244042
21	0.086531	-0.101573	.000000	0.074018
22	0.085574	-0.970771	.000000	0.388055
23	0.081106	0.002297	.000000	0.026523
24	0.079405	-0.021338	.000000	-0.049310
25	0.078486	-0.023881	.000000	0.036755
26	0.077994	-0.019650	.000000	0.041520
27	0.077722	-0.023401	.000000	0.095100
28	0.077563	0.036599	.000000	-0.108062
29	0.077438	0.020886	.000000	-0.084253
30	0.077360	0.023486	.000000	-0.074432
31	0.077287	-0.028759	.000000	0.055933
32	0.077249	0.005284	.000000	0.003346
33	0.077241	-0.016022	.000000	0.029610
34	0.076747	0.140253	.000000	-0.567437
35	0.074605	0.100647	.000000	-0.057647
36	0.072608	-0.010863	.000000	-0.004710
37	0.072282	0.019581	.000000	-0.021669
38	0.062973	0.098754	.000000	-0.553003
39	0.060277	0.235914	.000000	-0.033576
40	0.059654	-0.485654	.000000	-0.151449
41	0.055081	-0.280297	.000000	-0.132138
42	0.053603	-0.272910	.000000	0.004907
43	0.052804	0.362620	.000000	0.294903
44	0.052694	-1.623338	.000000	0.113724
45	0.052372	-3.110010	.000000	0.004455
46	0.052061	-0.037803	.000000	-0.005209
47	0.051797	-0.542577	.000000	0.034688
48	0.051607	0.306050	.000000	-0.007758
49	0.051456	0.179084	.000000	-0.018143
50	0.051364	-0.046550	.000000	-0.000346
51	0.051282	0.334976	.000000	0.002449
52	0.051248	0.168849	.000000	-0.002085
53	0.051211	0.001615	.000000	-0.005430
54	0.051187	-0.081021	.000000	-0.001268
55	0.049978	0.267011	.000000	0.019875
56	0.046232	-0.001792	.000000	0.048419
57	0.043500	-0.120137	.000000	0.097242
58	0.041341	-0.039014	.000000	-0.065731
59	0.039287	0.065551	.000000	-0.133537
60	0.038829	0.167040	.000000	0.220119
61	0.037749	0.000569	.000000	1.068821
62	0.037057	-0.184941	.000000	0.234817
63	0.036704	-0.025101	.000000	-0.582676
64	0.036490	-0.034314	.000000	1.223446
65	0.036114	-0.022044	.000000	-1.308398
66	0.035982	0.016851	.000000	0.688093
67	0.035711	-0.024845	.000000	-0.037301
68	0.035432	-0.051212	.000000	-0.166654

69	0.035332	0.074040	.000000	0.285455
70	0.035027	0.026363	.000000	-0.687066
71	0.034946	-0.004559	.000000	0.790728
72	0.034650	0.082390	.000000	0.305144
73	0.034228	0.095116	.000000	-0.557072
74	0.034048	0.059957	.000000	0.470389
75	0.033689	0.041985	.000000	-0.587063
76	0.033053	-0.037619	.000000	-0.823741
77	0.032648	-0.069307	.000000	-0.144199
78	0.031697	-0.182184	.000000	-0.051683
79	0.030779	-0.156312	.000000	0.367685
80	0.030527	0.031670	.000000	0.536104
-------- THE FOLLOWING ARE RESIDUAL-MASS MODES --------				
81	0.019806	-1.648809	.000000	0.019459
82	0.025141	-0.008197	.000000	-5.261385

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M O D A L P A R T I C I P A T I N G M A S S R A T I O S

MODE	PERIOD	INDIVIDUAL MODE (PERCENT)			CUMULATIVE SUM (PERCENT)		
		UX	UY	UZ	UX	UY	UZ
1	0.459216	88.2193	0.0000	0.0038	88.2193	0.0000	0.0038
2	0.229629	0.1550	0.0000	0.1288	88.3743	0.0000	0.1326
3	0.176228	0.0871	0.0000	1.3555	88.4614	0.0000	1.4881
4	0.168403	0.0804	0.0000	1.0615	88.5418	0.0000	2.5496
5	0.160650	0.0000	0.0000	6.6469	88.5418	0.0000	9.1965
6	0.159156	5.7922	0.0000	0.1290	94.3339	0.0000	9.3255
7	0.146312	0.1758	0.0000	42.8233	94.5097	0.0000	52.1488
8	0.144628	0.2829	0.0000	27.2358	94.7926	0.0000	79.3846
9	0.139132	0.0001	0.0000	0.2672	94.7927	0.0000	79.6518
10	0.130569	0.0737	0.0000	5.2630	94.8663	0.0000	84.9148
11	0.122601	0.4308	0.0000	0.2771	95.2972	0.0000	85.1919
12	0.121626	0.1305	0.0000	3.7171	95.4277	0.0000	88.9090
13	0.119833	0.0141	0.0000	2.3420	95.4418	0.0000	91.2511
14	0.114945	0.0178	0.0000	0.0009	95.4597	0.0000	91.2519
15	0.104167	0.1523	0.0000	0.0185	95.6120	0.0000	91.2705
16	0.100834	0.0098	0.0000	0.0340	95.6218	0.0000	91.3044
17	0.096599	0.0005	0.0000	0.0888	95.6222	0.0000	91.3933
18	0.094701	0.0043	0.0000	0.0869	95.6266	0.0000	91.4802
19	0.091544	0.7739	0.0000	0.0394	96.4005	0.0000	91.5195
20	0.088418	0.3424	0.0000	0.0107	96.7429	0.0000	91.5303
21	0.086531	0.0019	0.0000	0.0010	96.7448	0.0000	91.5313
22	0.085574	0.1699	0.0000	0.0271	96.9146	0.0000	91.5584
23	0.081106	0.0000	0.0000	0.0001	96.9146	0.0000	91.5585
24	0.079405	0.0001	0.0000	0.0004	96.9147	0.0000	91.5590
25	0.078486	0.0001	0.0000	0.0002	96.9148	0.0000	91.5592
26	0.077994	0.0001	0.0000	0.0003	96.9149	0.0000	91.5595
27	0.077722	0.0001	0.0000	0.0016	96.9150	0.0000	91.5612
28	0.077563	0.0002	0.0000	0.0021	96.9152	0.0000	91.5633
29	0.077438	0.0001	0.0000	0.0013	96.9153	0.0000	91.5645
30	0.077360	0.0001	0.0000	0.0010	96.9154	0.0000	91.5655
31	0.077287	0.0001	0.0000	0.0006	96.9156	0.0000	91.5661
32	0.077249	0.0000	0.0000	0.0000	96.9156	0.0000	91.5661
33	0.077241	0.0000	0.0000	0.0002	96.9156	0.0000	91.5663
34	0.076747	0.0035	0.0000	0.0580	96.9192	0.0000	91.6243
35	0.074605	0.0018	0.0000	0.0006	96.9210	0.0000	91.6249
36	0.072608	0.0000	0.0000	0.0000	96.9210	0.0000	91.6249
37	0.072282	0.0001	0.0000	0.0001	96.9211	0.0000	91.6250

38	0.062973	0.0018	0.0000	0.0551	96.9228	0.0000	91.6801
39	0.060277	0.0100	0.0000	0.0002	96.9329	0.0000	91.6803
40	0.059654	0.0425	0.0000	0.0041	96.9754	0.0000	91.6844
41	0.055081	0.0142	0.0000	0.0031	96.9895	0.0000	91.6876
42	0.053603	0.0134	0.0000	0.0000	97.0030	0.0000	91.6876
43	0.052804	0.0237	0.0000	0.0157	97.0267	0.0000	91.7033
44	0.052694	0.4750	0.0000	0.0023	97.5016	0.0000	91.7056
45	0.052372	1.7434	0.0000	0.0000	99.2450	0.0000	91.7056
46	0.052061	0.0003	0.0000	0.0000	99.2453	0.0000	91.7056
47	0.051797	0.0531	0.0000	0.0002	99.2983	0.0000	91.7058
48	0.051607	0.0169	0.0000	0.0000	99.3152	0.0000	91.7058
49	0.051456	0.0058	0.0000	0.0001	99.3210	0.0000	91.7059
50	0.051364	0.0004	0.0000	0.0000	99.3214	0.0000	91.7059
51	0.051282	0.0202	0.0000	0.0000	99.3416	0.0000	91.7059
52	0.051248	0.0051	0.0000	0.0000	99.3467	0.0000	91.7059
53	0.051211	0.0000	0.0000	0.0000	99.3467	0.0000	91.7059
54	0.051187	0.0012	0.0000	0.0000	99.3479	0.0000	91.7059
55	0.049978	0.0129	0.0000	0.0001	99.3608	0.0000	91.7060
56	0.046232	0.0000	0.0000	0.0004	99.3608	0.0000	91.7064
57	0.043500	0.0026	0.0000	0.0017	99.3634	0.0000	91.7081
58	0.041341	0.0003	0.0000	0.0008	99.3637	0.0000	91.7089
59	0.039287	0.0008	0.0000	0.0032	99.3644	0.0000	91.7121
60	0.038829	0.0050	0.0000	0.0087	99.3695	0.0000	91.7208
61	0.037749	0.0000	0.0000	0.2059	99.3695	0.0000	91.9267
62	0.037057	0.0062	0.0000	0.0099	99.3756	0.0000	91.9367
63	0.036704	0.0001	0.0000	0.0612	99.3757	0.0000	91.9979
64	0.036490	0.0002	0.0000	0.2698	99.3760	0.0000	92.2677
65	0.036114	0.0001	0.0000	0.3086	99.3760	0.0000	92.5762
66	0.035982	0.0001	0.0000	0.0853	99.3761	0.0000	92.6616
67	0.035711	0.0001	0.0000	0.0003	99.3762	0.0000	92.6618
68	0.035432	0.0005	0.0000	0.0050	99.3767	0.0000	92.6668
69	0.035332	0.0010	0.0000	0.0147	99.3777	0.0000	92.6815
70	0.035027	0.0001	0.0000	0.0851	99.3778	0.0000	92.7666
71	0.034946	0.0000	0.0000	0.1127	99.3778	0.0000	92.8793
72	0.034650	0.0012	0.0000	0.0168	99.3790	0.0000	92.8961
73	0.034228	0.0016	0.0000	0.0559	99.3806	0.0000	92.9520
74	0.034048	0.0006	0.0000	0.0399	99.3813	0.0000	92.9919
75	0.033689	0.0003	0.0000	0.0621	99.3816	0.0000	93.0540
76	0.033053	0.0003	0.0000	0.1223	99.3819	0.0000	93.1763
77	0.032648	0.0009	0.0000	0.0037	99.3827	0.0000	93.1801
78	0.031697	0.0060	0.0000	0.0005	99.3887	0.0000	93.1806
79	0.030779	0.0044	0.0000	0.0244	99.3931	0.0000	93.2049
80	0.030527	0.0002	0.0000	0.0518	99.3933	0.0000	93.2567
-------- THE FOLLOWING ARE RESIDUAL-MASS MODES --------							
81	0.019806	0.4900	0.0000	0.0001	99.8833	0.0000	93.2568
82	0.025141	0.0000	0.0000	4.9896	99.8833	0.0000	98.2464

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M O D A L L O A D P A R T I C I P A T I O N R A T I O S

LOAD, ACC, OR NLLINK/DEF (TYPE)	(NAME)	STATIC (PERCENT)	DYNAMIC (PERCENT)	EFFECTIVE PERIOD
LOAD	DEAD	97.8831 ->	29.5014<- (*) SEE NOTE	0.131380
LOAD	MANIFOLD	99.5610	82.0517	0.145128
LOAD	TBAR	98.0475	39.3548	0.133979
LOAD	TOPCOVER	99.4186	93.1694	0.140494
LOAD	PEWALLS	94.0371	34.3442	0.140107
LOAD	HOTBASIN	99.5610	82.0517	0.145128

LOAD	DRIFTELM	0.0000	0.0000	-INFINITY-
LOAD	FANMOTOR	99.9645	99.6254	0.118119
LOAD	CABLETRY	97.9246	55.0783	0.135422
LOAD	LOUVERWL	98.8933	35.4976	0.136750
LOAD	SECDIST	99.4339	81.2633	0.143129
LOAD	ANGLEWAL	98.4307	20.4390	0.143353
LOAD	NOTRIANG	0.0000	0.0000	-INFINITY-
ACC	UX	100.0003	99.8833	0.457059
ACC	UY	0.0000	0.0000	-INFINITY-
ACC	UZ	100.0004	98.2464	0.146819
ACC	RX	0.0000	0.0000	-INFINITY-
ACC	RY	0.0000	0.0000	-INFINITY-
ACC	RZ	0.0000	0.0000	-INFINITY-

(*) NOTE: DYNAMIC LOAD PARTICIPATION RATIO EXCLUDES LOAD APPLIED
TO NON-MASS DEGREES OF FREEDOM

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R E S P O N S E S P E C T R U M A C C E L E R A T I O N S

IN RESPONSE-SPECTRUM LOCAL COORDINATES

SPEC HORIZ ----------

MODE	PERIOD	DAMP-RATIO	U1	U2	U3
1	0.459216	0.050000	77.561015	.000000	.000000
2	0.229629	0.050000	88.121418	.000000	.000000
3	0.176228	0.050000	88.416096	.000000	.000000
4	0.168403	0.050000	88.269582	.000000	.000000
5	0.160650	0.050000	88.118995	.000000	.000000
6	0.159156	0.050000	88.089955	.000000	.000000
7	0.146312	0.050000	87.843771	.000000	.000000
8	0.144628	0.050000	87.811699	.000000	.000000
9	0.139132	0.050000	87.596927	.000000	.000000
10	0.130569	0.050000	87.036320	.000000	.000000
11	0.122601	0.050000	86.704481	.000000	.000000
12	0.121626	0.050000	86.668338	.000000	.000000
13	0.119833	0.050000	86.601874	.000000	.000000
14	0.114945	0.050000	86.334902	.000000	.000000
15	0.104167	0.050000	85.460135	.000000	.000000
16	0.100834	0.050000	85.073531	.000000	.000000
17	0.096599	0.050000	84.647809	.000000	.000000
18	0.094701	0.050000	84.505517	.000000	.000000
19	0.091544	0.050000	84.268876	.000000	.000000
20	0.088418	0.050000	84.007216	.000000	.000000
21	0.086531	0.050000	83.837846	.000000	.000000
22	0.085574	0.050000	83.751962	.000000	.000000
23	0.081106	0.050000	83.317577	.000000	.000000
24	0.079405	0.050000	83.056862	.000000	.000000
25	0.078486	0.050000	82.915928	.000000	.000000
26	0.077994	0.050000	82.840446	.000000	.000000
27	0.077722	0.050000	82.798809	.000000	.000000
28	0.077563	0.050000	82.774420	.000000	.000000
29	0.077438	0.050000	82.755298	.000000	.000000
30	0.077360	0.050000	82.743252	.000000	.000000
31	0.077287	0.050000	82.732090	.000000	.000000
32	0.077249	0.050000	82.726222	.000000	.000000
33	0.077241	0.050000	82.724963	.000000	.000000
34	0.076747	0.050000	82.649305	.000000	.000000

35	0.074605	0.050000	82.320845	.000000	.000000
36	0.072608	0.050000	82.033557	.000000	.000000
37	0.072282	0.050000	81.986808	.000000	.000000
38	0.062973	0.050000	80.666583	.000000	.000000
39	0.060277	0.050000	80.219018	.000000	.000000
40	0.059654	0.050000	80.096912	.000000	.000000
41	0.055081	0.050000	79.203832	.000000	.000000
42	0.053603	0.050000	78.962600	.000000	.000000
43	0.052804	0.050000	78.832087	.000000	.000000
44	0.052694	0.050000	78.814175	.000000	.000000
45	0.052372	0.050000	78.761497	.000000	.000000
46	0.052061	0.050000	78.710747	.000000	.000000
47	0.051797	0.050000	78.667758	.000000	.000000
48	0.051607	0.050000	78.636628	.000000	.000000
49	0.051456	0.050000	78.612100	.000000	.000000
50	0.051364	0.050000	78.597086	.000000	.000000
51	0.051282	0.050000	78.583590	.000000	.000000
52	0.051248	0.050000	78.578024	.000000	.000000
53	0.051211	0.050000	78.572098	.000000	.000000
54	0.051187	0.050000	78.568184	.000000	.000000
55	0.049978	0.050000	78.370811	.000000	.000000
56	0.046232	0.050000	77.331325	.000000	.000000
57	0.043500	0.050000	76.676524	.000000	.000000
58	0.041341	0.050000	76.248937	.000000	.000000
59	0.039287	0.050000	75.772936	.000000	.000000
60	0.038829	0.050000	75.657411	.000000	.000000
61	0.037749	0.050000	75.385339	.000000	.000000
62	0.037057	0.050000	75.210823	.000000	.000000
63	0.036704	0.050000	75.122013	.000000	.000000
64	0.036490	0.050000	75.067953	.000000	.000000
65	0.036114	0.050000	74.973704	.000000	.000000
66	0.035982	0.050000	74.940630	.000000	.000000
67	0.035711	0.050000	74.872843	.000000	.000000
68	0.035432	0.050000	74.802799	.000000	.000000
69	0.035332	0.050000	74.777886	.000000	.000000
70	0.035027	0.050000	74.701216	.000000	.000000
71	0.034946	0.050000	74.681019	.000000	.000000
72	0.034650	0.050000	74.606953	.000000	.000000
73	0.034228	0.050000	74.501021	.000000	.000000
74	0.034048	0.050000	74.456033	.000000	.000000
75	0.033689	0.050000	74.365979	.000000	.000000
76	0.033053	0.050000	74.206595	.000000	.000000
77	0.032648	0.050000	74.104944	.000000	.000000
78	0.031697	0.050000	73.771512	.000000	.000000
79	0.030779	0.050000	73.433740	.000000	.000000
80	0.030527	0.050000	73.341074	.000000	.000000
81	0.019806	0.050000	69.043215	.000000	.000000
82	0.025141	0.050000	71.438713	.000000	.000000

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R E S P O N S E S P E C T R U M M O D A L A M P L I T U D E S

IN RESPONSE-SPECTRUM LOCAL COORDINATES

SPEC HORIZ ----------

MODE	PERIOD	U1	U2	U3
1	0.459216	9.165746	.000000	.000000
2	0.229629	-0.109155	.000000	.000000

3	0.176228	0.048342	.000000	.000000
4	0.168403	-0.042337	.000000	.000000
5	0.160650	-2.12E-06	.000000	.000000
6	0.159156	0.320408	.000000	.000000
7	0.146312	0.047040	.000000	.000000
8	0.144628	-0.058288	.000000	.000000
9	0.139132	0.000804	.000000	.000000
10	0.130569	0.024027	.000000	.000000
11	0.122601	0.051039	.000000	.000000
12	0.121626	-0.027638	.000000	.000000
13	0.119833	-0.008809	.000000	.000000
14	0.114945	0.009091	.000000	.000000
15	0.104167	0.021595	.000000	.000000
16	0.100834	0.005097	.000000	.000000
17	0.096599	0.001017	.000000	.000000
18	0.094701	0.002972	.000000	.000000
19	0.091544	-0.037067	.000000	.000000
20	0.088418	-0.022929	.000000	.000000
21	0.086531	-0.001615	.000000	.000000
22	0.085574	-0.015081	.000000	.000000
23	0.081106	3.19E-05	.000000	.000000
24	0.079405	-0.000283	.000000	.000000
25	0.078486	-0.000309	.000000	.000000
26	0.077994	-0.000251	.000000	.000000
27	0.077722	-0.000296	.000000	.000000
28	0.077563	0.000462	.000000	.000000
29	0.077438	0.000263	.000000	.000000
30	0.077360	0.000295	.000000	.000000
31	0.077287	-0.000360	.000000	.000000
32	0.077249	6.61E-05	.000000	.000000
33	0.077241	-0.000200	.000000	.000000
34	0.076747	0.001729	.000000	.000000
35	0.074605	0.001168	.000000	.000000
36	0.072608	-0.000119	.000000	.000000
37	0.072282	0.000212	.000000	.000000
38	0.062973	0.000800	.000000	.000000
39	0.060277	0.001742	.000000	.000000
40	0.059654	-0.003506	.000000	.000000
41	0.055081	-0.001706	.000000	.000000
42	0.053603	-0.001568	.000000	.000000
43	0.052804	0.002019	.000000	.000000
44	0.052694	-0.008999	.000000	.000000
45	0.052372	-0.017018	.000000	.000000
46	0.052061	-0.000204	.000000	.000000
47	0.051797	-0.002901	.000000	.000000
48	0.051607	0.001624	.000000	.000000
49	0.051456	0.000944	.000000	.000000
50	0.051364	-0.000245	.000000	.000000
51	0.051282	0.001754	.000000	.000000
52	0.051248	0.000883	.000000	.000000
53	0.051211	8.43E-06	.000000	.000000
54	0.051187	-0.000422	.000000	.000000
55	0.049978	0.001324	.000000	.000000
56	0.046232	-7.50E-06	.000000	.000000
57	0.043500	-0.000442	.000000	.000000
58	0.041341	-0.000129	.000000	.000000
59	0.039287	0.000194	.000000	.000000
60	0.038829	0.000483	.000000	.000000
61	0.037749	1.55E-06	.000000	.000000
62	0.037057	-0.000484	.000000	.000000
63	0.036704	-6.43E-05	.000000	.000000
64	0.036490	-8.69E-05	.000000	.000000
65	0.036114	-5.46E-05	.000000	.000000

66	0.035982	4.14E-05	.000000	.000000
67	0.035711	-6.01E-05	.000000	.000000
68	0.035432	-0.000122	.000000	.000000
69	0.035332	0.000175	.000000	.000000
70	0.035027	6.12E-05	.000000	.000000
71	0.034946	-1.05E-05	.000000	.000000
72	0.034650	0.000187	.000000	.000000
73	0.034228	0.000210	.000000	.000000
74	0.034048	0.000131	.000000	.000000
75	0.033689	8.98E-05	.000000	.000000
76	0.033053	-7.73E-05	.000000	.000000
77	0.032648	-0.000139	.000000	.000000
78	0.031697	-0.000342	.000000	.000000
79	0.030779	-0.000275	.000000	.000000
80	0.030527	5.48E-05	.000000	.000000
81	0.019806	-0.001131	.000000	.000000
82	0.025141	-9.38E-06	.000000	.000000

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R E S P O N S E S P E C T R U M M O D A L C O R R E L A T I O N S

PARTIAL MATRIX SHOWING CORRELATION FACTORS BETWEEN NEARBY MODES

SPEC HORIZ ----------

MODE I	PERIOD	I	I+1	I+2	I+3	I+4	I+5	I+6	I+7	I+8	I+9
1	0.459216	1.000	0.018	0.009	0.008	0.007	0.007	0.006	0.006	0.005	0.005
2	0.229629	1.000	0.123	0.092	0.071	0.067	0.045	0.043	0.036	0.029	0.023
3	0.176228	1.000	0.829	0.538	0.490	0.223	0.202	0.150	0.098	0.069	0.066
4	0.168403	1.000	0.818	0.758	0.335	0.300	0.214	0.132	0.088	0.084	0.078
5	0.160650	1.000	0.991	0.533	0.474	0.325	0.187	0.119	0.113	0.102	0.080
6	0.159156	1.000	0.585	0.521	0.355	0.202	0.126	0.120	0.109	0.084	0.051
7	0.146312	1.000	0.987	0.798	0.435	0.241	0.225	0.199	0.145	0.078	0.065
8	0.144628	1.000	0.869	0.488	0.267	0.249	0.219	0.158	0.083	0.070	0.056
9	0.139132	1.000	0.712	0.384	0.355	0.308	0.214	0.105	0.086	0.068	0.061
10	0.130569	1.000	0.716	0.665	0.575	0.380	0.162	0.129	0.097	0.087	0.072
11	0.122601	1.000	0.994	0.950	0.706	0.272	0.206	0.148	0.129	0.103	0.084
12	0.121626	1.000	0.978	0.758	0.293	0.220	0.157	0.136	0.108	0.088	0.078
13	0.119833	1.000	0.852	0.336	0.250	0.176	0.151	0.119	0.096	0.084	0.079
14	0.114945	1.000	0.507	0.367	0.247	0.209	0.160	0.125	0.109	0.101	0.074
15	0.104167	1.000	0.904	0.637	0.523	0.374	0.270	0.224	0.204	0.136	0.118
16	0.100834	1.000	0.844	0.717	0.516	0.366	0.298	0.269	0.173	0.147	0.136
17	0.096599	1.000	0.962	0.776	0.560	0.451	0.404	0.245	0.205	0.187	0.178
18	0.094701	1.000	0.897	0.679	0.551	0.492	0.293	0.242	0.219	0.208	0.202
19	0.091544	1.000	0.892	0.759	0.687	0.405	0.330	0.296	0.279	0.270	0.266
20	0.088418	1.000	0.955	0.903	0.572	0.463	0.412	0.387	0.374	0.367	0.361
21	0.086531	1.000	0.988	0.704	0.575	0.511	0.480	0.464	0.454	0.447	0.442
22	0.085574	1.000	0.776	0.641	0.572	0.537	0.518	0.508	0.500	0.495	0.490
23	0.081106	1.000	0.957	0.903	0.867	0.846	0.833	0.823	0.817	0.811	0.808
24	0.079405	1.000	0.987	0.969	0.956	0.948	0.941	0.936	0.932	0.929	0.929
25	0.078486	1.000	0.996	0.991	0.986	0.982	0.980	0.977	0.975	0.975	0.952
26	0.077994	1.000	0.999	0.997	0.995	0.993	0.992	0.991	0.991	0.975	0.835
27	0.077722	1.000	1.000	0.999	0.998	0.997	0.996	0.996	0.984	0.856	0.683
28	0.077563	1.000	1.000	0.999	0.999	0.998	0.998	0.989	0.868	0.696	0.667
29	0.077438	1.000	1.000	1.000	0.999	0.999	0.992	0.878	0.706	0.678	0.188
30	0.077360	1.000	1.000	1.000	1.000	0.994	0.884	0.713	0.684	0.190	0.137
31	0.077287	1.000	1.000	1.000	0.995	0.889	0.719	0.690	0.191	0.138	0.128
32	0.077249	1.000	1.000	0.996	0.892	0.722	0.693	0.192	0.138	0.128	0.079
33	0.077241	1.000	0.996	0.892	0.723	0.694	0.192	0.138	0.129	0.079	0.068

34	0.076747	1.000	0.926	0.765	0.735	0.202	0.145	0.134	0.081	0.070	0.065
35	0.074605	1.000	0.931	0.909	0.257	0.179	0.165	0.096	0.082	0.075	0.075
36	0.072608	1.000	0.998	0.329	0.223	0.204	0.114	0.096	0.088	0.087	0.084
37	0.072282	1.000	0.344	0.231	0.212	0.118	0.099	0.090	0.089	0.086	0.083
38	0.062973	1.000	0.839	0.773	0.357	0.277	0.242	0.238	0.226	0.215	0.206
39	0.060277	1.000	0.989	0.551	0.420	0.362	0.355	0.335	0.316	0.302	0.292
40	0.059654	1.000	0.611	0.466	0.401	0.393	0.370	0.349	0.333	0.321	0.313
41	0.055081	1.000	0.931	0.848	0.836	0.797	0.758	0.725	0.702	0.683	0.672
42	0.053603	1.000	0.978	0.972	0.949	0.921	0.895	0.874	0.857	0.846	0.836
43	0.052804	1.000	1.000	0.993	0.980	0.964	0.950	0.937	0.929	0.921	0.918
44	0.052694	1.000	0.996	0.986	0.971	0.958	0.946	0.939	0.931	0.928	0.925
45	0.052372	1.000	0.996	0.988	0.979	0.970	0.964	0.958	0.955	0.952	0.950
46	0.052061	1.000	0.997	0.992	0.987	0.982	0.978	0.976	0.974	0.972	0.857
47	0.051797	1.000	0.999	0.996	0.993	0.990	0.989	0.987	0.986	0.887	0.435
48	0.051607	1.000	0.999	0.998	0.996	0.995	0.994	0.993	0.907	0.452	0.254
49	0.051456	1.000	1.000	0.999	0.998	0.998	0.997	0.922	0.465	0.260	0.171
50	0.051364	1.000	1.000	0.999	0.999	0.999	0.930	0.473	0.264	0.173	0.120
51	0.051282	1.000	1.000	1.000	1.000	0.938	0.481	0.268	0.176	0.122	0.113
52	0.051248	1.000	1.000	1.000	0.941	0.484	0.270	0.177	0.122	0.113	0.095
53	0.051211	1.000	1.000	0.944	0.488	0.272	0.178	0.123	0.114	0.095	0.085
54	0.051187	1.000	0.946	0.490	0.273	0.178	0.123	0.114	0.096	0.086	0.081
55	0.049978	1.000	0.622	0.340	0.216	0.146	0.134	0.111	0.099	0.093	0.090
56	0.046232	1.000	0.729	0.443	0.273	0.246	0.194	0.168	0.156	0.150	0.139
57	0.043500	1.000	0.794	0.490	0.436	0.331	0.279	0.256	0.243	0.223	0.216
58	0.041341	1.000	0.794	0.717	0.547	0.454	0.413	0.390	0.352	0.340	0.317
59	0.039287	1.000	0.986	0.862	0.745	0.683	0.646	0.584	0.563	0.523	0.483
60	0.038829	1.000	0.926	0.821	0.759	0.721	0.655	0.632	0.587	0.543	0.528
61	0.037749	1.000	0.967	0.927	0.897	0.836	0.813	0.764	0.713	0.695	0.640
62	0.037057	1.000	0.991	0.977	0.938	0.920	0.879	0.832	0.815	0.759	0.744
63	0.036704	1.000	0.997	0.974	0.962	0.930	0.889	0.873	0.820	0.806	0.751
64	0.036490	1.000	0.989	0.981	0.956	0.920	0.906	0.856	0.842	0.789	0.709
65	0.036114	1.000	0.999	0.988	0.965	0.954	0.914	0.902	0.854	0.776	0.742
66	0.035982	1.000	0.994	0.977	0.968	0.932	0.921	0.875	0.800	0.766	0.697
67	0.035711	1.000	0.994	0.989	0.964	0.955	0.917	0.847	0.814	0.746	0.625
68	0.035432	1.000	0.999	0.987	0.981	0.953	0.893	0.863	0.797	0.674	0.598
69	0.035332	1.000	0.992	0.988	0.963	0.908	0.879	0.815	0.692	0.615	0.458
70	0.035027	1.000	0.999	0.988	0.949	0.926	0.868	0.748	0.669	0.500	0.373
71	0.034946	1.000	0.993	0.959	0.937	0.882	0.763	0.683	0.511	0.382	0.353
72	0.034650	1.000	0.985	0.970	0.927	0.818	0.738	0.557	0.415	0.383	0.029
73	0.034228	1.000	0.997	0.975	0.891	0.817	0.628	0.469	0.432	0.030	0.093
74	0.034048	1.000	0.989	0.919	0.850	0.661	0.494	0.455	0.031	0.096	
75	0.033689	1.000	0.965	0.910	0.729	0.550	0.506	0.032	0.103		
76	0.033053	1.000	0.985	0.850	0.663	0.612	0.035	0.116			
77	0.032648	1.000	0.920	0.742	0.689	0.037	0.126				
78	0.031697	1.000	0.920	0.876	0.041	0.155					
79	0.030779	1.000	0.993	0.047	0.195						
80	0.030527	1.000	0.049	0.208							
81	0.019806	1.000	0.148								
82	0.025141	1.000									

R E S P O N S E S P E C T R U M B A S E R E A C T I O N S

IN RESPONSE-SPECTRUM LOCAL COORDINATES

SPEC HORIZ ----------

FOR EACH MODE, DUE TO SPECTRAL ACCELERATION IN DIRECTION U1:

MODE	F1	F2	F3	M1	M2	M3
1	37961.426	.000000	-248.216892	-29786.027	2.3243E+07	-4.5554E+06
2	75.791699	.000000	69.097358	8291.683	-50055.671	-9095.004
3	42.709830	.000000	168.518528	20222.223	-129564.909	-5125.180
4	39.350989	.000000	-143.023794	-17162.855	53195.444	-4722.119
5	1.20E-07	.000000	0.019713	2.365544	-9.935008	-1.44E-05
6	2830.769	.000000	422.397976	50687.757	458668.656	-339692.258
7	85.668004	.000000	-1337.126	-160455.178	472377.875	-10280.160
8	137.822891	.000000	1352.306	162276.725	-1.1416E+06	-16538.747
9	0.030658	.000000	-1.995348	-239.441738	4238.311	-3.678941
10	35.568475	.000000	-300.652910	-36078.349	28719.614	-4268.217
11	207.251852	.000000	-166.219364	-19946.324	75219.618	-24870.222
12	62.772326	.000000	334.954158	40194.499	-161821.603	-7532.679
13	6.772918	.000000	-87.299878	-10475.985	25211.722	-812.750160
14	8.546621	.000000	-1.884686	-226.162339	28084.423	-1025.595
15	72.233629	.000000	-25.190609	-3022.873	60019.391	-8668.035
16	4.604266	.000000	8.594464	1031.336	875.777217	-552.511980
17	0.218693	.000000	-3.020471	-362.456519	1192.324	-26.243205
18	2.025268	.000000	-9.082450	-1089.894	2147.991	-243.032183
19	361.827585	.000000	81.626131	9795.136	104151.166	-43419.310
20	159.590212	.000000	-28.257026	-3390.843	30810.912	-19150.825
21	0.864958	.000000	-0.630312	-75.637472	-959.688868	-103.795013
22	78.927552	.000000	-31.550429	-3786.052	69447.583	-9471.306
23	0.000440	.000000	0.005076	0.609098	-1.388565	-0.052748
24	0.037816	.000000	0.087390	10.486819	15.309362	-4.537974
25	0.047289	.000000	-0.072780	-8.733559	79.091968	-5.674686
26	0.031986	.000000	-0.067586	-8.110306	24.420227	-3.838279
27	0.045343	.000000	-0.184267	-22.112059	79.328288	-5.441121
28	0.110878	.000000	-0.327374	-39.284848	227.120780	-13.305378
29	0.036099	.000000	-0.145622	-17.474691	108.670643	-4.331876
30	0.045642	.000000	-0.144646	-17.357511	107.507819	-5.477037
31	0.068425	.000000	-0.133080	-15.969592	62.430911	-8.210983
32	0.002309	.000000	0.001462	0.175499	-2.447809	-0.277131
33	0.021236	.000000	-0.039246	-4.709552	23.292888	-2.548374
34	1.625784	.000000	-6.577616	-789.313878	3902.473	-195.094134
35	0.833902	.000000	-0.477626	-57.315139	-1195.443	-100.068232
36	0.009679	.000000	0.004197	0.503688	-33.921064	-1.161540
37	0.031435	.000000	-0.034788	-4.174564	68.553904	-3.772256
38	0.786685	.000000	-4.405292	-528.635087	2070.035	-94.402222
39	4.464640	.000000	-0.635411	-76.249351	2197.999	-535.756817
40	18.891666	.000000	5.891295	706.955364	7473.859	-2267.000
41	6.222761	.000000	2.933543	352.025219	-24.511141	-746.731276
42	5.881131	.000000	-0.105739	-12.688681	1501.871	-705.735727
43	10.365907	.000000	8.430132	1011.616	-1662.051	-1243.909
44	207.693146	.000000	-14.550030	-1746.004	48820.581	-24923.177
45	761.794040	.000000	-1.091318	-130.958130	154507.196	-91415.285
46	0.112484	.000000	0.015498	1.859792	71.280458	-13.498082
47	23.159025	.000000	-1.480614	-177.673663	5461.756	-2779.083
48	7.365646	.000000	-0.186715	-22.405834	1532.446	-883.877508
49	2.521162	.000000	-0.255414	-30.649641	597.735845	-302.539444
50	0.170311	.000000	0.001266	0.151893	51.252995	-20.437331
51	8.817771	.000000	0.064479	7.737480	1690.530	-1058.133
52	2.240250	.000000	-0.027662	-3.319412	454.355838	-268.829945
53	0.000205	.000000	-0.000689	-0.082668	0.249315	-0.024581
54	0.515751	.000000	0.008070	0.968372	94.652831	-61.890152
55	5.587446	.000000	0.415896	49.907509	703.880871	-670.493469
56	0.000248	.000000	-0.006709	-0.805098	-16.225573	-0.029794
57	1.106658	.000000	-0.895763	-107.491613	695.019625	-132.798942
58	0.116055	.000000	0.195533	23.463941	-301.156840	-13.926623
59	0.325587	.000000	-0.663272	-79.592663	233.541099	-39.070415
60	2.111029	.000000	2.781834	333.820127	-3792.296	-253.323434
61	2.44E-05	.000000	0.045814	5.497737	-23.123394	-0.002925
62	2.572457	.000000	-3.266203	-391.944379	1641.553	-308.694837

63	0.047331	.000000	1.098706	131.844719	-1253.147	-5.679671
64	0.088389	.000000	-3.151464	-378.175654	748.764514	-10.606733
65	0.036432	.000000	2.162385	259.486188	-1517.179	-4.371781
66	0.021281	.000000	0.868965	104.275786	-773.020525	-2.553724
67	0.046216	.000000	0.069388	8.326513	470.144362	-5.545896
68	0.196181	.000000	0.638417	76.610043	-70.773966	-23.541723
69	0.409926	.000000	1.580437	189.652437	-267.661959	-49.191065
70	0.051920	.000000	-1.353096	-162.371507	944.459719	-6.230370
71	0.001552	.000000	-0.269227	-32.307260	152.810203	-0.186275
72	0.506437	.000000	1.875674	225.080930	-898.525623	-60.772485
73	0.674016	.000000	-3.947545	-473.705443	3853.328	-80.881888
74	0.267660	.000000	2.099903	251.988331	-899.247949	-32.119257
75	0.131085	.000000	-1.832941	-219.952921	335.018180	-15.730188
76	0.105014	.000000	2.299509	275.941073	-1828.481	-12.601661
77	0.355959	.000000	0.740602	88.872242	-496.099243	-42.715121
78	2.448553	.000000	0.694617	83.353999	-1408.321	-293.826331
79	1.794228	.000000	-4.220485	-506.458229	2414.044	-215.307318
80	0.073558	.000000	1.245199	149.423870	983.101144	-8.826989
81	187.698796	.000000	-2.215213	-265.825617	36610.516	-22523.855
82	0.004800	.000000	3.081131	369.735663	-1558.988	-0.576060

COMBINED FOR ALL MODES AND ALL DIRECTIONS OF SPECTRAL ACCELERATION:

	F1	F2	F3	M1	M2	M3
SPEC	38136.541	.000000	451.430244	54171.629	2.3252E+07	4.5764E+06

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J O I N T D I S P L A C E M E N T S

TRANSLATIONS AND ROTATIONS, IN GLOBAL COORDINATES

SPEC HORIZ ----------

JOINT	UX	UY	UZ	RY
1	0.246396	.000000	0.015485	0.001127
2	0.255816	.000000	0.008532	0.001281
D1	.000000	.000000	.000000	0.000643
D2	.000000	.000000	.000000	0.000672
D3	.000000	.000000	.000000	0.000720
D4	.000000	.000000	.000000	0.000693
D5	.000000	.000000	.000000	0.000694
D6	.000000	.000000	.000000	0.000617
D7	.000000	.000000	.000000	0.000588
D8	.000000	.000000	.000000	0.000592
D9	.000000	.000000	.000000	0.000619
F1	0.040423	.000000	0.007086	0.000333
F2	0.040983	.000000	0.013543	0.000296
F3	0.043469	.000000	0.007272	0.000299
F4	0.042685	.000000	0.004282	0.000322
F5	0.042485	.000000	0.001993	0.000312
F6	0.038601	.000000	0.007659	0.000313
F7	0.037687	.000000	0.012110	0.000336
F8	0.037850	.000000	8.46E-07	0.000335
F9	0.038490	.000000	0.012315	0.000305
G1	0.060058	.000000	0.011618	0.000820
G2	0.058852	.000000	0.019858	0.000819
G3	0.060264	.000000	0.012608	0.000777
G4	0.060369	.000000	0.007021	0.000752
G5	0.059301	.000000	0.003019	0.000725

G6	0.057084	.000000	0.011304	0.000773
G7	0.058013	.000000	0.017506	0.000807
G8	0.057866	.000000	1.21E-06	0.000791
G9	0.056637	.000000	0.017969	0.000775
H1	0.118207	.000000	0.016147	0.001262
H2	0.118914	.000000	0.025441	0.001309
H3	0.117749	.000000	0.017945	0.001253
H4	0.114699	.000000	0.009759	0.001189
H5	0.112383	.000000	0.004130	0.001174
H6	0.112086	.000000	0.014291	0.001199
H7	0.114045	.000000	0.022900	0.001217
H8	0.113020	.000000	1.47E-06	0.001206
H9	0.112615	.000000	0.022743	0.001237
I1	0.126341	.000000	0.025187	0.000706
I2	0.125571	.000000	0.035558	0.000673
I3	0.124016	.000000	0.026476	0.000688
I4	0.124402	.000000	0.015227	0.000721
I5	0.124085	.000000	0.006831	0.000671
I6	0.123122	.000000	0.020745	0.000699
I7	0.125151	.000000	0.032313	0.000688
I8	0.126486	.000000	1.73E-06	0.000714
I9	0.127083	.000000	0.032280	0.000720
J1	0.202739	.000000	0.034212	0.001328
J2	0.202894	.000000	0.045660	0.001405
J3	0.203310	.000000	0.036010	0.001453
J4	0.201153	.000000	0.020688	0.001466
J5	0.195339	.000000	0.009739	0.001403
J6	0.198188	.000000	0.028450	0.001393
J7	0.197924	.000000	0.041712	0.001328
J8	0.197880	.000000	1.83E-06	0.001301
J9	0.197917	.000000	0.041454	0.001267
K1	0.223044	.000000	0.043191	0.001048
K2	0.222210	.000000	0.055722	0.001035
K3	0.223329	.000000	0.046461	0.000985
K4	0.223591	.000000	0.036816	0.000835
K5	0.223114	.000000	0.016730	0.001113
K6	0.221850	.000000	0.037189	0.001140
K7	0.219722	.000000	0.051071	0.001173
K8	0.220035	.000000	1.92E-06	0.001220
K9	0.219285	.000000	0.050595	0.001262
L1	0.331480	.000000	0.052132	0.002615
L2	0.331234	.000000	0.064724	0.002610
L3	0.331019	.000000	0.056877	0.002708
L4	0.321947	.000000	0.052931	0.002767
L5	0.332710	.000000	0.024754	0.002707
L6	0.334922	.000000	0.045919	0.002665
L7	0.337161	.000000	0.059243	0.002752
L8	0.339442	.000000	2.29E-06	0.002747
L9	0.341500	.000000	0.058765	0.002705
M1	0.407696	.000000	0.061031	0.000244
M2	0.405516	.000000	0.073712	0.000230
M3	0.412674	.000000	0.058338	0.000270
M4	0.415770	.000000	0.053870	0.000346
M5	0.415054	.000000	0.026149	0.000274
M6	0.410596	.000000	0.054652	0.000232
M7	0.414773	.000000	0.067403	0.000236
M8	0.415340	.000000	2.79E-06	0.000224
M9	0.412195	.000000	0.066926	0.000193
N1	0.407696	.000000	0.063793	8.78E-05
N2	0.405516	.000000	0.071514	4.49E-05
N3	0.412674	.000000	0.058798	4.75E-05
N4	0.415770	.000000	0.054157	5.02E-05
N5	0.415054	.000000	0.026596	5.17E-05

N6	0.410596	.000000	0.052972	5.26E-05
N7	0.414773	.000000	0.069941	0.000121
N8	0.415340	.000000	2.95E-06	4.45E-05
N9	0.412195	.000000	0.069465	0.000129
O1	0.441152	.000000	0.074876	0.000244
O7	0.462091	.000000	0.079531	0.000337
O9	0.462883	.000000	0.079098	0.000360
P1	0.441152	.000000	0.074986	0.000114
P2	0.454879	.000000	0.072224	0.000878
P3	0.464739	.000000	0.059656	0.000925
P4	0.470646	.000000	0.054737	0.000973
P5	0.472098	.000000	0.027582	0.001008
P6	0.469085	.000000	0.053747	0.001030
P7	0.462091	.000000	0.079744	0.000158
P8	0.464458	.000000	3.10E-06	0.000868
P9	0.462883	.000000	0.079304	0.000169
D10	.000000	.000000	.000000	0.000654
D11	.000000	.000000	.000000	0.000655
D12	.000000	.000000	.000000	0.000685
D13	.000000	.000000	.000000	0.000740
D14	.000000	.000000	.000000	0.000708
D15	.000000	.000000	.000000	0.000681
F10	0.040776	.000000	0.006834	0.000326
F11	0.041509	.000000	0.002305	0.000352
F12	0.042723	.000000	0.004509	0.000340
F13	0.044461	.000000	0.009354	0.000298
F14	0.042518	.000000	0.012729	0.000287
F15	0.041980	.000000	0.007911	0.000319
G10	0.059045	.000000	0.010850	0.000750
G11	0.060359	.000000	0.003778	0.000714
G12	0.060706	.000000	0.007393	0.000716
G13	0.060001	.000000	0.016106	0.000715
G14	0.058061	.000000	0.018290	0.000723
G15	0.059215	.000000	0.012970	0.000725
H10	0.112906	.000000	0.014879	0.001193
H11	0.110389	.000000	0.005247	0.001114
H12	0.111811	.000000	0.010276	0.001136
H13	0.113844	.000000	0.022856	0.001198
H14	0.112450	.000000	0.023054	0.001208
H15	0.111813	.000000	0.018024	0.001165
I10	0.128163	.000000	0.021005	0.000733
I11	0.128594	.000000	0.009934	0.000774
I12	0.128437	.000000	0.016034	0.000835
I13	0.127628	.000000	0.036494	0.000857
I14	0.126070	.000000	0.032571	0.000876
I15	0.126874	.000000	0.028115	0.000893
J10	0.198175	.000000	0.027132	0.001254
J11	0.195956	.000000	0.014796	0.001213
J12	0.200739	.000000	0.021784	0.001212
J13	0.205250	.000000	0.050135	0.001189
J14	0.204627	.000000	0.040923	0.001161
J15	0.204396	.000000	0.038179	0.001175
K10	0.220302	.000000	0.034070	0.001312
K11	0.220364	.000000	0.024207	0.001368
K12	0.219476	.000000	0.035841	0.001243
K13	0.217594	.000000	0.065717	0.001342
K14	0.214569	.000000	0.049243	0.001361
K15	0.215879	.000000	0.048188	0.001361
L10	0.343673	.000000	0.040982	0.002582
L11	0.346028	.000000	0.033820	0.002562
L12	0.343761	.000000	0.049884	0.002548
L13	0.350762	.000000	0.081261	0.002467
L14	0.350222	.000000	0.055531	0.002475

L15	0.350116	.000000	0.058129	0.002509
M10	0.405435	.000000	0.047888	0.000145
M11	0.405271	.000000	0.034766	0.000130
M12	0.401563	.000000	0.050792	0.000121
M13	0.394340	.000000	0.089018	3.47E-05
M14	0.391943	.000000	0.061817	2.43E-05
M15	0.395628	.000000	0.068017	4.42E-05
N10	0.405435	.000000	0.046173	5.81E-05
N11	0.405271	.000000	0.035063	6.16E-05
N12	0.401563	.000000	0.051074	6.43E-05
N13	0.394340	.000000	0.089478	6.58E-05
N14	0.391943	.000000	0.059469	6.00E-05
N15	0.395628	.000000	0.071086	0.000130
O15	0.446785	.000000	0.082925	0.000366
P10	0.470718	.000000	0.046911	0.001147
P11	0.474566	.000000	0.035725	0.001218
P12	0.473936	.000000	0.051686	0.001273
P13	0.468834	.000000	0.090401	0.001310
P14	0.459759	.000000	0.060101	0.001195
P15	0.446785	.000000	0.083134	0.000171
1FIL1	0.011649	.000000	0.001724	0.000624
1FIL2	0.012159	.000000	0.003296	0.000649
1FIL3	0.013013	.000000	0.001769	0.000694
1FIL4	0.012542	.000000	0.001042	0.000670
1FIL5	0.012564	.000000	0.000485	0.000671
1FIL6	0.011178	.000000	0.001864	0.000598
1FIL7	0.010662	.000000	0.002947	0.000572
1FIL8	0.010724	.000000	2.15E-07	0.000576
1FIL9	0.011209	.000000	0.002997	0.000600
2FIL1	0.047414	.000000	0.009352	0.000343
2FIL2	0.046835	.000000	0.016701	0.000299
2FIL3	0.049080	.000000	0.009940	0.000276
2FIL4	0.049021	.000000	0.005652	0.000303
2FIL5	0.048477	.000000	0.002488	0.000286
2FIL6	0.045121	.000000	0.009478	0.000326
2FIL7	0.045052	.000000	0.014808	0.000367
2FIL8	0.045154	.000000	1.04E-06	0.000361
2FIL9	0.044774	.000000	0.015143	0.000316
3FIL1	0.127672	.000000	0.020671	0.000243
3FIL2	0.128100	.000000	0.030504	0.000290
3FIL3	0.126177	.000000	0.022213	0.000304
3FIL4	0.124292	.000000	0.012495	0.000217
3FIL5	0.123016	.000000	0.005436	0.000176
3FIL6	0.122220	.000000	0.017522	0.000190
3FIL7	0.124516	.000000	0.027610	0.000162
3FIL8	0.124448	.000000	1.67E-06	0.000115
3FIL9	0.124678	.000000	0.027516	0.000100
4FIL1	0.218263	.000000	0.038711	0.000172
4FIL2	0.219406	.000000	0.050705	0.000163
4FIL3	0.220767	.000000	0.041250	0.000201
4FIL4	0.220526	.000000	0.028757	0.000301
4FIL5	0.215232	.000000	0.013004	0.000350
4FIL6	0.216007	.000000	0.032829	0.000218
4FIL7	0.214227	.000000	0.046407	0.000165
4FIL8	0.213875	.000000	1.87E-06	0.000171
4FIL9	0.212949	.000000	0.046038	0.000150
5FIL1	0.407696	.000000	0.062957	3.88E-05
5FIL2	0.405516	.000000	0.072186	3.62E-05
5FIL3	0.412674	.000000	0.058662	4.23E-05
5FIL4	0.415770	.000000	0.054073	5.41E-05
5FIL5	0.415054	.000000	0.026464	4.30E-05
5FIL6	0.410596	.000000	0.053486	3.66E-05
5FIL7	0.414773	.000000	0.069174	3.82E-05

5FIL8	0.415340	.000000	2.90E-06	3.52E-05
5FIL9	0.412195	.000000	0.068698	3.18E-05
1FIL10	0.011843	.000000	0.001663	0.000634
1FIL11	0.011865	.000000	0.000561	0.000636
1FIL12	0.012403	.000000	0.001097	0.000664
1FIL13	0.013383	.000000	0.002276	0.000713
1FIL14	0.012797	.000000	0.003098	0.000682
1FIL15	0.012330	.000000	0.001925	0.000659
2FIL10	0.047410	.000000	0.008839	0.000320
2FIL11	0.048837	.000000	0.003042	0.000338
2FIL12	0.049542	.000000	0.005951	0.000315
2FIL13	0.049809	.000000	0.012730	0.000252
2FIL14	0.047728	.000000	0.015510	0.000254
2FIL15	0.048228	.000000	0.010441	0.000296
3FIL10	0.124998	.000000	0.017944	0.000122
3FIL11	0.123275	.000000	0.007549	0.000178
3FIL12	0.123821	.000000	0.013157	0.000133
3FIL13	0.124619	.000000	0.029676	0.000117
3FIL14	0.123109	.000000	0.027817	0.000102
3FIL15	0.122851	.000000	0.023074	8.11E-05
4FIL10	0.213116	.000000	0.030613	0.000174
4FIL11	0.211176	.000000	0.019463	0.000248
4FIL12	0.213721	.000000	0.028818	0.000225
4FIL13	0.214567	.000000	0.057941	0.000234
4FIL14	0.212526	.000000	0.045096	0.000270
4FIL15	0.213234	.000000	0.043198	0.000226
5FIL10	0.405435	.000000	0.046697	2.32E-05
5FIL11	0.405271	.000000	0.034976	2.10E-05
5FIL12	0.401563	.000000	0.050991	1.98E-05
5FIL13	0.394340	.000000	0.089344	6.33E-06
5FIL14	0.391943	.000000	0.060186	4.49E-06
5FIL15	0.395628	.000000	0.070158	8.75E-06

J O I N T A C C E L E R A T I O N S

TRANSLATIONS AND ROTATIONS, IN GLOBAL COORDINATES

SPEC HORIZ ----------

JOINT	UX	UY	UZ	RY
1	49.873835	.000000	8.495489	0.339785
2	52.202995	.000000	6.603910	0.328521
D1	.000000	.000000	.000000	1.801530
D2	.000000	.000000	.000000	2.088006
D3	.000000	.000000	.000000	2.100375
D4	.000000	.000000	.000000	2.191919
D5	.000000	.000000	.000000	2.165909
D6	.000000	.000000	.000000	2.154801
D7	.000000	.000000	.000000	2.337712
D8	.000000	.000000	.000000	2.553883
D9	.000000	.000000	.000000	2.277409
F1	42.420253	.000000	2.467290	1.706365
F2	37.970449	.000000	8.317008	1.323741
F3	48.201259	.000000	5.959568	1.501551
F4	48.547412	.000000	1.191428	1.524753
F5	45.322071	.000000	5.710239	1.370627
F6	34.483447	.000000	5.807161	1.107563
F7	35.806392	.000000	7.777590	1.160541

F8	44.350316	.000000	0.040176	1.208576
F9	36.152898	.000000	7.933278	1.063458
G1	63.511196	.000000	4.038589	0.740987
G2	59.693847	.000000	7.735450	0.471583
G3	63.009714	.000000	8.176262	0.704505
G4	63.012345	.000000	1.939742	0.670462
G5	60.032922	.000000	7.600502	0.558003
G6	55.249578	.000000	6.915504	0.350616
G7	56.700303	.000000	7.995289	0.447579
G8	56.727411	.000000	0.055100	0.544146
G9	53.891300	.000000	7.905962	0.497116
H1	42.972857	.000000	5.601398	1.505326
H2	41.955480	.000000	8.559872	1.490324
H3	39.590865	.000000	10.423802	1.355429
H4	38.714195	.000000	2.671945	1.379578
H5	37.450089	.000000	9.268502	1.301001
H6	37.177924	.000000	10.400529	1.299954
H7	39.189468	.000000	8.889480	1.504304
H8	39.554338	.000000	0.062222	1.489521
H9	39.145452	.000000	8.417766	1.382359
I1	50.527559	.000000	8.675960	1.535781
I2	49.785093	.000000	10.185139	1.413411
I3	48.411947	.000000	13.604793	1.126777
I4	48.157433	.000000	4.063865	1.188067
I5	47.427247	.000000	11.861887	1.068942
I6	46.259883	.000000	14.322981	1.076695
I7	46.905224	.000000	10.977178	1.472869
I8	47.016252	.000000	0.061879	1.465104
I9	46.262990	.000000	10.451692	1.367028
J1	49.539870	.000000	11.710958	1.035731
J2	49.075915	.000000	12.152063	1.137933
J3	48.277363	.000000	16.747479	1.153832
J4	46.206641	.000000	5.381569	1.084749
J5	46.917901	.000000	14.529210	1.128356
J6	49.350882	.000000	17.262300	1.200400
J7	50.151835	.000000	13.692262	1.205993
J8	50.560998	.000000	0.049432	1.264564
J9	50.338022	.000000	12.623804	1.249503
K1	55.165154	.000000	14.635730	0.997340
K2	54.861830	.000000	14.161922	1.096550
K3	55.509110	.000000	19.965633	1.073785
K4	55.838128	.000000	8.792857	0.907996
K5	55.879633	.000000	17.284731	0.988469
K6	55.586016	.000000	19.427969	1.107167
K7	54.910659	.000000	16.505783	1.120017
K8	55.414386	.000000	0.031230	1.164050
K9	55.291312	.000000	15.279374	1.149055
L1	63.638885	.000000	17.477547	0.636996
L2	63.238617	.000000	16.526338	0.619599
L3	62.976391	.000000	23.573560	0.653878
L4	61.202274	.000000	12.303081	0.684719
L5	63.067084	.000000	20.239868	0.671526
L6	63.539371	.000000	21.669432	0.658573
L7	64.123514	.000000	19.745093	0.665335
L8	64.699733	.000000	0.013168	0.669084
L9	64.834064	.000000	18.438687	0.659159
M1	76.466214	.000000	20.229749	0.113050
M2	76.031784	.000000	19.251058	0.098058
M3	77.377775	.000000	27.669551	0.097247
M4	77.969969	.000000	13.192089	0.098173
M5	77.819291	.000000	24.230807	0.081787
M6	76.979251	.000000	24.397715	0.070371
M7	77.775953	.000000	23.155551	0.078361

M8	77.903270	.000000	0.019169	0.085516
M9	77.284645	.000000	21.754274	0.066707
N1	76.466214	.000000	21.050718	0.034514
N2	76.031784	.000000	19.340806	0.013967
N3	77.377775	.000000	28.975273	0.014146
N4	77.969969	.000000	13.567842	0.014095
N5	77.819291	.000000	25.486438	0.013524
N6	76.979251	.000000	25.023476	0.012878
N7	77.775953	.000000	24.228444	0.031050
N8	77.903270	.000000	0.023915	0.011621
N9	77.284645	.000000	22.793054	0.032297
O1	83.229442	.000000	23.433167	0.097424
O7	86.704472	.000000	26.806195	0.087012
O9	86.832315	.000000	25.341598	0.090506
P1	83.229442	.000000	23.643912	0.045613
P2	85.871933	.000000	20.929551	0.279527
P3	87.713128	.000000	31.548824	0.282628
P4	88.743070	.000000	14.349292	0.279826
P5	88.886907	.000000	28.277317	0.268054
P6	88.169605	.000000	26.909622	0.254303
P7	86.704472	.000000	27.220758	0.040738
P8	87.153300	.000000	0.030219	0.229735
P9	86.832315	.000000	25.729422	0.042374
D10	.000000	.000000	.000000	2.187643
D11	.000000	.000000	.000000	2.340931
D12	.000000	.000000	.000000	2.334920
D13	.000000	.000000	.000000	2.215581
D14	.000000	.000000	.000000	2.242206
D15	.000000	.000000	.000000	2.517122
F10	36.802277	.000000	8.977562	1.303829
F11	45.445387	.000000	4.189806	1.586626
F12	49.717386	.000000	1.318937	1.708680
F13	50.296076	.000000	7.083584	1.654724
F14	40.969880	.000000	8.853034	1.469104
F15	48.410207	.000000	2.716074	1.758101
G10	60.012939	.000000	10.641417	0.378545
G11	65.235098	.000000	6.640453	0.539569
G12	68.230533	.000000	2.153172	0.663268
G13	67.893544	.000000	9.573680	0.710088
G14	63.955379	.000000	7.949483	0.475412
G15	69.053601	.000000	4.446768	0.548501
H10	38.277252	.000000	13.388622	1.442299
H11	37.819081	.000000	8.838353	1.452004
H12	39.236368	.000000	2.976549	1.525757
H13	40.255040	.000000	12.078551	1.516126
H14	41.565407	.000000	8.310760	1.532782
H15	42.387748	.000000	6.168306	1.651684
I10	47.466538	.000000	16.351810	1.196718
I11	48.191537	.000000	10.461225	1.071197
I12	48.416342	.000000	4.576162	1.236814
I13	48.096919	.000000	14.341889	1.264548
I14	47.201368	.000000	10.030216	1.350447
I15	48.174094	.000000	9.574206	1.449274
J10	49.702013	.000000	18.375057	1.297458
J11	47.512263	.000000	12.168620	1.238390
J12	46.778423	.000000	6.128305	1.215065
J13	49.799908	.000000	16.910219	1.354462
J14	50.740364	.000000	11.674615	1.359232
J15	51.334638	.000000	12.928368	1.446273
K10	56.046681	.000000	19.653307	1.153875
K11	56.404452	.000000	13.999924	1.032946
K12	56.372601	.000000	10.085439	0.949364
K13	55.955697	.000000	19.629952	1.181081

K14	55.077595	.000000	13.519772	1.238142
K15	55.858919	.000000	16.174255	1.314136
L10	64.984938	.000000	21.039028	0.643376
L11	65.278590	.000000	16.091658	0.641695
L12	64.986905	.000000	14.148605	0.642576
L13	66.258203	.000000	22.778479	0.613159
L14	66.369456	.000000	15.694964	0.597999
L15	66.663201	.000000	19.293186	0.608492
M10	76.000306	.000000	23.351235	0.045457
M11	75.982585	.000000	18.623108	0.039919
M12	75.315836	.000000	16.998222	0.039642
M13	73.980428	.000000	25.959989	0.038911
M14	73.622216	.000000	18.348865	0.056747
M15	74.357485	.000000	22.319400	0.083364
N10	76.000306	.000000	23.924946	0.013620
N11	75.982585	.000000	19.437452	0.014499
N12	75.315836	.000000	18.004556	0.015155
N13	73.980428	.000000	27.054540	0.015338
N14	73.622216	.000000	18.665396	0.014719
N15	74.357485	.000000	23.227473	0.036593
O15	83.953601	.000000	25.237225	0.103059
P10	88.388820	.000000	25.861659	0.269399
P11	89.142945	.000000	21.361453	0.287591
P12	89.019144	.000000	20.423613	0.300944
P13	88.057397	.000000	29.639069	0.305831
P14	86.365941	.000000	20.516245	0.293792
P15	83.953601	.000000	25.564351	0.048251
1FIL1	30.122223	.000000	0.600430	1.219868
1FIL2	34.256780	.000000	2.023847	1.273922
1FIL3	34.754855	.000000	1.454429	1.351012
1FIL4	36.361970	.000000	0.290064	1.426940
1FIL5	35.845755	.000000	1.394400	1.390085
1FIL6	35.351660	.000000	1.411815	1.310246
1FIL7	38.486562	.000000	1.889998	1.448052
1FIL8	42.395765	.000000	0.010202	1.656567
1FIL9	37.481328	.000000	1.928007	1.408453
2FIL1	67.076270	.000000	3.255057	0.801235
2FIL2	57.697505	.000000	7.971386	0.709360
2FIL3	67.521279	.000000	7.078933	0.559952
2FIL4	66.713262	.000000	1.568591	0.625655
2FIL5	61.858011	.000000	6.709207	0.609158
2FIL6	51.083818	.000000	6.040032	0.782736
2FIL7	50.993766	.000000	7.769573	0.965236
2FIL8	53.646935	.000000	0.048806	1.049677
2FIL9	49.952321	.000000	7.823598	0.893511
3FIL1	66.486744	.000000	7.149598	0.509171
3FIL2	63.729641	.000000	9.345332	0.500820
3FIL3	57.199473	.000000	12.105880	0.560221
3FIL4	56.511241	.000000	3.390771	0.634183
3FIL5	53.651457	.000000	10.720553	0.670275
3FIL6	52.969075	.000000	12.547710	0.618864
3FIL7	59.625360	.000000	9.811757	0.539844
3FIL8	59.580510	.000000	0.064821	0.545798
3FIL9	57.585508	.000000	9.306653	0.518156
4FIL1	61.963070	.000000	13.197595	0.271616
4FIL2	63.948215	.000000	13.223714	0.276467
4FIL3	63.825254	.000000	18.356149	0.334840
4FIL4	61.114734	.000000	7.095015	0.448783
4FIL5	62.502298	.000000	15.992767	0.365776
4FIL6	65.136062	.000000	18.486817	0.260227
4FIL7	65.186016	.000000	15.146411	0.223667
4FIL8	66.263151	.000000	0.041364	0.236317
4FIL9	65.965986	.000000	13.935867	0.241102

5FIL1	76.466214	.000000	20.810056	0.017263
5FIL2	76.031784	.000000	19.312780	0.015073
5FIL3	77.377775	.000000	28.590569	0.014961
5FIL4	77.969969	.000000	13.453565	0.015156
5FIL5	77.819291	.000000	25.117535	0.012650
5FIL6	76.979251	.000000	24.837515	0.010929
5FIL7	77.775953	.000000	23.910479	0.012263
5FIL8	77.903270	.000000	0.022674	0.013225
5FIL9	77.284645	.000000	22.485419	0.010519
1FIL10	35.960391	.000000	2.189097	1.346320
1FIL11	38.812094	.000000	1.022207	1.513815
1FIL12	38.811360	.000000	0.321076	1.533807
1FIL13	36.761071	.000000	1.728516	1.444461
1FIL14	36.983320	.000000	2.153028	1.408531
1FIL15	41.916755	.000000	0.660969	1.665505
2FIL10	55.703091	.000000	9.611195	0.829794
2FIL11	64.436375	.000000	5.463471	0.873222
2FIL12	70.096955	.000000	1.738110	0.847894
2FIL13	71.402127	.000000	8.344305	0.730825
2FIL14	60.924949	.000000	8.333659	0.878665
2FIL15	66.786099	.000000	3.582532	1.093129
3FIL10	55.919967	.000000	15.263454	0.594556
3FIL11	54.587583	.000000	9.799068	0.669915
3FIL12	57.748496	.000000	3.791167	0.601241
3FIL13	58.738739	.000000	13.297538	0.509295
3FIL14	60.052687	.000000	9.118857	0.412942
3FIL15	62.346423	.000000	7.880415	0.429792
4FIL10	66.378402	.000000	19.263507	0.271268
4FIL11	63.901899	.000000	13.178135	0.353913
4FIL12	62.357368	.000000	8.100751	0.431253
4FIL13	66.502867	.000000	18.275110	0.305630
4FIL14	67.084167	.000000	12.673150	0.251126
4FIL15	68.871654	.000000	14.579082	0.252830
5FIL10	76.000306	.000000	23.752321	0.007132
5FIL11	75.982585	.000000	19.197910	0.006257
5FIL12	75.315836	.000000	17.704907	0.006200
5FIL13	73.980428	.000000	26.729407	0.005992
5FIL14	73.622216	.000000	18.568028	0.008723
5FIL15	74.357485	.000000	22.960113	0.012764

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R E S T R A I N T F O R C E S (R E A C T I O N S)

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

SPEC HORIZ ----------

JOINT	FX	FY	FZ	MY
D1	6839.512	.000000	10279.876	.000000
D2	20.588065	.000000	6193.914	.000000
D3	22.484214	.000000	3325.603	.000000
D4	20.219717	.000000	1958.203	.000000
D5	20.857286	.000000	911.638410	.000000
D6	17.613840	.000000	3502.820	.000000
D7	5728.891	.000000	11430.081	.000000
D8	12572.800	.000000	147.161980	.000000
D9	5881.376	.000000	11692.576	.000000
D10	18.630108	.000000	3125.368	.000000
D11	17.268139	.000000	1054.440	.000000

D12	19.098418	.000000	2062.014	.000000
D13	23.613245	.000000	4277.957	.000000
D14	22.840617	.000000	5821.665	.000000
D15	6928.542	.000000	10724.772	.000000

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C O N S T R A I N T F O R C E S

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

SPEC HORIZ ----------

JOINT	FX	FY	FZ	MY
M1	523.704752	.000000	.000000	.000000
M2	6807.114	.000000	.000000	.000000
M3	980.769849	.000000	.000000	.000000
M4	992.953607	.000000	.000000	.000000
M5	919.108126	.000000	.000000	.000000
M6	6216.744	.000000	.000000	.000000
M7	859.492505	.000000	.000000	.000000
M8	818.263115	.000000	.000000	.000000
M9	826.184574	.000000	.000000	.000000
N1	336.703046	.000000	.000000	.000000
N2	6557.954	.000000	.000000	.000000
N3	696.248332	.000000	.000000	.000000
N4	645.016952	.000000	.000000	.000000
N5	638.037079	.000000	.000000	.000000
N6	5976.131	.000000	.000000	.000000
N7	730.678042	.000000	.000000	.000000
N8	567.146333	.000000	.000000	.000000
N9	749.422302	.000000	.000000	.000000
O1	3387.801	.000000	.000000	.000000
O7	2837.500	.000000	.000000	.000000
O9	2854.788	.000000	.000000	.000000
P1	3387.920	.000000	.000000	.000000
P7	2837.247	.000000	.000000	.000000
P9	2854.979	.000000	.000000	.000000
M10	5648.053	.000000	.000000	.000000
M11	762.594146	.000000	.000000	.000000
M12	750.881353	.000000	.000000	.000000
M13	2380.852	.000000	.000000	.000000
M14	6142.255	.000000	.000000	.000000
M15	670.325789	.000000	.000000	.000000
N10	5494.540	.000000	.000000	.000000
N11	627.119463	.000000	.000000	.000000
N12	628.298613	.000000	.000000	.000000
N13	2340.647	.000000	.000000	.000000
N14	6107.501	.000000	.000000	.000000
N15	732.247677	.000000	.000000	.000000
O15	3569.037	.000000	.000000	.000000
P15	3568.815	.000000	.000000	.000000
5FIL1	203.130022	.000000	.000000	.000000
5FIL2	255.567134	.000000	.000000	.000000
5FIL3	288.001643	.000000	.000000	.000000
5FIL4	350.355264	.000000	.000000	.000000
5FIL5	283.600048	.000000	.000000	.000000
5FIL6	243.387562	.000000	.000000	.000000
5FIL7	139.025126	.000000	.000000	.000000
5FIL8	252.240563	.000000	.000000	.000000

5FIL9	91.165872	.000000	.000000	.000000
5FIL10	156.031720	.000000	.000000	.000000
5FIL11	137.473043	.000000	.000000	.000000
5FIL12	124.773128	.000000	.000000	.000000
5FIL13	49.104106	.000000	.000000	.000000
5FIL14	50.027396	.000000	.000000	.000000
5FIL15	90.403193	.000000	.000000	.000000

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G L O B A L F O R C E B A L A N C E

TOTAL FORCE AND MOMENT AT THE ORIGIN, IN GLOBAL COORDINATES

LOAD DEAD ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	2.75E-16	-2.23E-30	-5657.875	-678945.051	2.8567E+06	-3.77E-14
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	2.42E-13	-9.24E-33	5657.875	678945.051	-2.8567E+06	-2.55E-11
CONSTRS	1.42E-13	.000000	.000000	.000000	-22.019096	-1.61E-11
TOTAL	3.84E-13	-2.24E-30	-1.46E-11	-2.44E-09	9.13E-09	-4.16E-11

LOADMANIFOLD ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-54926.000	-6.5911E+06	2.8637E+07	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	2.50E-12	.000000	54926.000	6.5911E+06	-2.8635E+07	-3.37E-10
CONSTRS	3.81E-12	.000000	.000000	.000000	-2776.505	-4.29E-10
TOTAL	6.31E-12	.000000	-1.89E-10	-2.33E-08	1.19E-07	-7.66E-10

LOAD TBAR ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-31957.000	-3.8348E+06	1.6662E+07	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	1.59E-12	.000000	31957.000	3.8348E+06	-1.6661E+07	-2.16E-10
CONSTRS	-1.53E-12	.000000	.000000	.000000	-876.282024	1.83E-10
TOTAL	6.62E-14	.000000	-7.28E-11	-8.85E-09	4.19E-08	-3.32E-11

LOADTOPCOVER ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-46081.000	-5.5297E+06	2.4026E+07	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	2.84E-12	.000000	46081.000	5.5297E+06	-2.4023E+07	-3.76E-10
CONSTRS	-3.68E-13	.000000	.000000	.000000	-2602.684	3.93E-11
TOTAL	2.47E-12	.000000	-1.53E-10	-1.96E-08	9.69E-08	-3.36E-10

LOAD PEWALLS ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-5064.000	-607680.000	2.9257E+06	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	3.96E-13	.000000	5064.000	607680.000	-2.9255E+06	-4.76E-11

CONSTRS	-5.19E-13	.000000	.000000	.000000	-192.978584	4.36E-11
TOTAL	-1.23E-13	.000000	-2.55E-11	-3.03E-09	1.56E-08	-4.03E-12

LOADHOTBASIN ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-36018.000	-4.3222E+06	1.8779E+07	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	2.05E-12	.000000	36018.000	4.3222E+06	-1.8777E+07	-2.48E-10
CONSTRS	-1.02E-13	.000000	.000000	.000000	-1820.707	1.23E-11
TOTAL	1.94E-12	.000000	-1.24E-10	-1.49E-08	7.84E-08	-2.36E-10

LOADDRIFTELM ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	.000000	.000000	.000000	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	.000000	.000000	.000000	.000000

LOADFANMOTOR ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-1684.000	-202080.000	848736.000	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	1.49E-13	.000000	1684.000	202080.000	-848857.170	-1.75E-11
CONSTRS	1.48E-13	.000000	.000000	.000000	121.169850	-1.94E-11
TOTAL	2.98E-13	.000000	-2.27E-13	-2.91E-11	6.89E-11	-3.69E-11

LOADCABLETRY ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-4742.000	-569040.000	1.3608E+06	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	-1.11E-12	.000000	4742.000	569040.000	-1.3618E+06	1.33E-10
CONSTRS	1.10E-12	.000000	.000000	.000000	1045.597	-1.24E-10
TOTAL	-3.55E-15	.000000	-2.36E-11	-2.79E-09	2.98E-09	9.15E-12

LOADLOUVERWL ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-22346.000	-2.6815E+06	1.1660E+07	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	8.53E-13	.000000	22346.000	2.6815E+06	-1.1659E+07	-1.06E-10
CONSTRS	-2.15E-13	.000000	.000000	.000000	-553.917812	2.36E-11
TOTAL	6.37E-13	.000000	-4.37E-11	-5.12E-09	2.45E-08	-8.28E-11

LOAD SECDIST ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-2536.000	-304320.000	565992.000	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	-1.27E-12	.000000	2536.000	304320.000	-565071.893	1.56E-10
CONSTRS	1.52E-12	.000000	.000000	.000000	-920.106564	-1.73E-10
TOTAL	2.51E-13	.000000	-5.91E-12	-6.98E-10	1.48E-09	-1.72E-11

LOADANGLEWAL ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-2940.000	-352800.000	1.4818E+06	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	-1.42E-14	.000000	2940.000	352800.000	-1.4817E+06	1.42E-12
CONSTRS	-2.02E-14	.000000	.000000	.000000	-43.450867	1.80E-12
TOTAL	-3.44E-14	.000000	-9.55E-12	-1.16E-09	5.01E-09	3.22E-12

LOADNOTRIANG ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	.000000	.000000	.000000	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	.000000	.000000	.000000	.000000

MODE 1 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	4141.662	.000000	-27.080926	-3249.711	2.5359E+06	-496999.490
REACTNS	-4141.741	.000000	27.141396	3256.967	-2.4505E+06	497008.913
CONSTRS	-0.113445	.000000	.000000	.000000	-85479.602	13.613424
TOTAL	-0.191964	.000000	0.060470	7.256360	-56.514073	23.035661

MODE 2 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-694.346802	.000000	-633.018266	-75962.192	458572.582	83321.616
REACTNS	694.577071	.000000	633.145066	75977.408	-332037.474	-83349.249
CONSTRS	-0.454915	.000000	.000000	.000000	-126735.337	54.589751
TOTAL	-0.224645	.000000	0.126800	15.215940	-200.228584	26.957445

MODE 3 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	883.498531	.000000	3485.986	418318.329	-2.6802E+06	-106019.824
REACTNS	-882.974881	.000000	-3483.525	-418023.054	2.7004E+06	105956.986
CONSTRS	0.140461	.000000	.000000	.000000	-21425.503	-16.855300
TOTAL	0.664111	.000000	2.460626	295.275116	-1203.215	-79.693309

MODE 4 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-929.464347	.000000	3378.200	405384.019	-1.2565E+06	111535.722
REACTNS	928.593124	.000000	-3380.338	-405640.554	1.2485E+06	-111431.175
CONSTRS	-1.587372	.000000	.000000	.000000	8223.982	190.484606
TOTAL	-2.458595	.000000	-2.137789	-256.534639	216.032260	295.031408

MODE 5 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-0.056351	.000000	-9289.177	-1.1147E+06	4.6816E+06	6.762122
REACTNS	-0.406118	.000000	9286.184	1.1143E+06	-4.6800E+06	48.734113
CONSTRS	0.581015	.000000	.000000	.000000	382.615847	-69.721810
TOTAL	0.118546	.000000	-2.993528	-359.223333	1986.759	-14.225574

MODE 6 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	8834.892	.000000	1318.313	158197.601	1.4315E+06	-1.0602E+06
REACTNS	-8832.951	.000000	-1310.118	-157214.149	-1.4850E+06	1.0600E+06
CONSTRS	0.451825	.000000	.000000	.000000	49490.679	-54.218982
TOTAL	2.391994	.000000	8.195436	983.452327	-3955.419	-287.039239

MODE 7 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	1821.190	.000000	-28425.569	-3.4111E+06	1.0042E+07	-218542.837
REACTNS	-1819.083	.000000	28429.976	3.4116E+06	-1.0070E+07	218289.919
CONSTRS	-0.701831	.000000	.000000	.000000	24851.395	84.219673
TOTAL	1.405819	.000000	4.406272	528.752626	-2668.653	-168.698234

MODE 8 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-2364.513	.000000	-23200.390	-2.7840E+06	1.9586E+07	283741.528
REACTNS	2360.900	.000000	23192.555	2.7831E+06	-1.9586E+07	-283307.980
CONSTRS	-0.627941	.000000	.000000	.000000	3378.409	75.352923
TOTAL	-4.240837	.000000	-7.834981	-940.197734	3599.799	508.900442

MODE 9 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	38.153220	.000000	-2483.180	-297981.603	5.2745E+06	-4578.386
REACTNS	-35.567691	.000000	2488.462	298615.415	-5.3610E+06	4268.123
CONSTRS	-0.481451	.000000	.000000	.000000	83457.456	57.774133
TOTAL	2.104078	.000000	5.281763	633.811569	-3070.808	-252.489386

MODE 10 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	1480.334	.000000	-12512.952	-1.5016E+06	1.1953E+06	-177640.040
REACTNS	-1474.104	.000000	12525.460	1.5031E+06	-1.1226E+06	176892.513
CONSTRS	-2.122957	.000000	.000000	.000000	-79513.087	254.754790
TOTAL	4.106438	.000000	12.507840	1500.941	-6858.006	-492.772558

MODE 11 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	4060.691	.000000	-3256.741	-390808.884	1.4738E+06	-487282.969

REACTNS	-4056.813	.000000	3258.499	391019.939	-1.6056E+06	486817.604
CONSTRS	-0.569964	.000000	.000000	.000000	130877.884	68.395676
TOTAL	3.308076	.000000	1.758798	211.055814	-943.312603	-396.969091

MODE 12 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-2271.221	.000000	-12119.275	-1.4543E+06	5.8550E+06	272546.574
REACTNS	2272.802	.000000	12120.845	1.4545E+06	-5.8646E+06	-272736.292
CONSTRS	1.075141	.000000	.000000	.000000	9859.600	-129.016947
TOTAL	2.656122	.000000	1.570122	188.414679	314.805354	-318.734608

MODE 13 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-768.825387	.000000	9909.815	1.1892E+06	-2.8619E+06	92259.046
REACTNS	766.149222	.000000	-9911.174	-1.1893E+06	2.8795E+06	-91937.907
CONSTRS	-0.952312	.000000	.000000	.000000	-17660.879	114.277429
TOTAL	-3.628476	.000000	-1.359747	-163.169613	-57.642949	435.417119

MODE 14 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	940.126626	.000000	-207.315096	-24877.811	3.0893E+06	-112815.195
REACTNS	-931.839924	.000000	212.885232	25546.228	-3.1183E+06	111820.791
CONSTRS	-3.456848	.000000	.000000	.000000	26269.043	414.821782
TOTAL	4.829854	.000000	5.570137	668.416415	-2710.260	-579.582470

MODE 15 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	3344.964	.000000	-1166.516	-139981.899	2.7794E+06	-401395.629
REACTNS	-3330.758	.000000	1167.312	140077.422	-3.0146E+06	399691.018
CONSTRS	-11.423152	.000000	.000000	.000000	229701.914	1370.778
TOTAL	2.781933	.000000	0.796025	95.522976	-5497.493	-333.832013

MODE 16 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	903.291038	.000000	1686.111	202333.269	171814.927	-108394.925
REACTNS	-884.375093	.000000	-1680.162	-201619.480	-327527.748	106125.011
CONSTRS	1.465138	.000000	.000000	.000000	156511.512	-175.816538
TOTAL	20.381082	.000000	5.948243	713.789116	798.689899	-2445.730

MODE 17 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	215.043415	.000000	-2970.060	-356407.178	1.1724E+06	-25805.210
REACTNS	-231.937005	.000000	2971.599	356591.825	-1.1778E+06	27832.441
CONSTRS	-4.619565	.000000	.000000	.000000	223.897928	554.347825

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  TOTAL  -21.513155     .000000    1.538726  184.647127   -5153.168    2581.579

MODE      18 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  681.479267     .000000   -3056.139 -366736.696  722773.951  -81777.512
REACTNS -653.781882     .000000    3052.771  366332.544 -727394.250   78453.826
CONSTRS   11.418855     .000000     .000000     .000000   14883.707   -1370.263

  TOTAL   39.116239     .000000   -3.367929 -404.151525   10263.407   -4693.949

MODE      19 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -9761.545     .000000   -2202.146 -264257.507 -2.8098E+06  1.1714E+06
REACTNS    9777.784     .000000    2194.998  263399.761  2.9158E+06 -1.1733E+06
CONSTRS   -1.543214     .000000     .000000     .000000 -106312.074  185.185680

  TOTAL   14.695863     .000000   -7.147880 -857.745629 -311.169742   -1763.504

MODE      20 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -6960.183     .000000    1232.369  147884.316 -1.3438E+06  835221.994
REACTNS    6971.361     .000000   -1231.686 -147802.292  1.4257E+06 -836563.308
CONSTRS  -12.086514     .000000     .000000     .000000  -86306.222    1450.382

  TOTAL   -0.908900     .000000    0.683528   82.023322   -4329.588  109.067948

MODE      21 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -535.544292     .000000  390.261680   46831.402  594197.214   64265.315
REACTNS  518.954591     .000000 -394.307364  -47316.884 -622470.151  -62274.551
CONSTRS    7.050686     .000000     .000000     .000000   31789.898 -846.082301

  TOTAL   -9.539015     .000000   -4.045684 -485.482070    3516.961    1144.682

MODE      22 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -5233.535     .000000    2092.048  251045.817 -4.6049E+06  628024.157
REACTNS    5245.219     .000000   -2120.857 -254502.879  4.7919E+06 -629426.305
CONSTRS   -6.402616     .000000     .000000     .000000 -166741.602  768.313975

  TOTAL    5.281955     .000000  -28.808847   -3457.062   20178.137 -633.834614

MODE      23 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   13.784738     .000000  159.176579   19101.189  -43545.117   -1654.169
REACTNS  -16.586469     .000000 -157.952552  -18954.306   10020.949    1990.376
CONSTRS    4.026627     .000000     .000000     .000000   28396.203 -483.195283

  TOTAL    1.224896     .000000    1.224027  146.883226   -5127.965 -146.987543

MODE      24 ------------------
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                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -133.601706     .000000 -308.740658  -37048.879  -54086.439   16032.205
REACTNS  144.779961     .000000  297.797478   35735.697  121830.707  -17373.595
CONSTRS   -3.386130     .000000     .000000     .000000  -64883.434  406.335653

  TOTAL    7.792125     .000000  -10.943180   -1313.182    2860.834 -935.055006

MODE      25 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -153.050519     .000000  235.550595   28266.071 -255980.329   18366.062
REACTNS  154.013212     .000000 -235.201584  -28224.190  239096.911  -18481.585
CONSTRS    0.115411     .000000     .000000     .000000   16316.381  -13.849372

  TOTAL    1.078104     .000000    0.349010   41.881239 -567.036800 -129.372480

MODE      26 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -127.525089     .000000  269.461259   32335.351  -97362.127   15303.011
REACTNS  120.543938     .000000 -266.003396  -31920.407   62839.391  -14465.273
CONSTRS   -0.295494     .000000     .000000     .000000   37043.569   35.459298

  TOTAL   -7.276645     .000000    3.457864  414.943623    2520.833  873.197434

MODE      27 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -152.936282     .000000  621.514567   74581.748 -267566.322   18352.354
REACTNS  153.641393     .000000 -620.614023  -74473.683  200140.246  -18436.967
CONSTRS    0.211604     .000000     .000000     .000000   63592.477  -25.392462

  TOTAL    0.916714     .000000    0.900544  108.065273   -3833.598 -110.005733

MODE      28 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  240.172614     .000000 -709.122609  -85094.713  491965.191  -28820.714
REACTNS -239.555610     .000000  678.009181   81361.102 -413013.734   28746.673
CONSTRS  -10.030338     .000000     .000000     .000000  -74816.736    1203.641

  TOTAL   -9.413334     .000000  -31.113428   -3733.611    4134.721    1129.600

MODE      29 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  137.497842     .000000 -554.663252  -66559.590  413917.113  -16499.741
REACTNS -131.502525     .000000  558.205278   66984.633 -377585.942   15780.303
CONSTRS    3.532147     .000000     .000000     .000000  -33501.865 -423.857619

  TOTAL    9.527464     .000000    3.542025  425.043042    2829.306   -1143.296

MODE      30 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
```

INERTIA	154.933072	.000000	-491.005007	-58920.601	364938.566	-18591.969
REACTNS	-154.442829	.000000	489.863799	58783.656	-329288.434	18533.139
CONSTRS	0.031070	.000000	.000000	.000000	-36378.297	-3.728343
TOTAL	0.521312	.000000	-1.141208	-136.944966	-728.165049	-62.557441

MODE 31 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-190.071044	.000000	369.670344	44360.441	-173421.010	22808.525
REACTNS	190.770644	.000000	-371.415880	-44569.906	132043.828	-22892.477
CONSTRS	-2.630333	.000000	.000000	.000000	42172.736	315.639910
TOTAL	-1.930732	.000000	-1.745536	-209.464369	795.554035	231.687838

MODE 32 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	34.954776	.000000	22.135814	2656.298	-37049.325	-4194.573
REACTNS	-29.434777	.000000	-28.878358	-3465.403	40476.302	3532.173
CONSTRS	3.230487	.000000	.000000	.000000	2975.780	-387.658480
TOTAL	8.750487	.000000	-6.742544	-809.105282	6402.757	-1050.058

MODE 33 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-106.020851	.000000	195.933068	23511.968	-116287.423	12722.502
REACTNS	110.190236	.000000	-194.520119	-23342.414	98230.840	-13222.828
CONSTRS	2.173806	.000000	.000000	.000000	18719.989	-260.856723
TOTAL	6.343191	.000000	1.412949	169.553877	663.404903	-761.182898

MODE 34 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	940.042888	.000000	-3803.235	-456388.235	2.2564E+06	-112805.147
REACTNS	-941.304898	.000000	3809.587	457150.404	-1.9343E+06	112956.588
CONSTRS	-2.108307	.000000	.000000	.000000	-323960.217	252.996859
TOTAL	-3.370317	.000000	6.351407	762.168831	-1767.165	404.438043

MODE 35 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	713.887790	.000000	-408.886790	-49066.415	-1.0234E+06	-85666.535
REACTNS	-709.856510	.000000	443.228193	53187.383	1.3924E+06	85182.781
CONSTRS	12.220998	.000000	.000000	.000000	-376299.518	-1466.520
TOTAL	16.252277	.000000	34.341403	4120.968	-7343.749	-1950.273

MODE 36 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-81.342481	.000000	-35.273178	-4232.781	285058.581	9761.098
REACTNS	91.295750	.000000	31.752487	3810.298	-355646.207	-10955.490
CONSTRS	10.890138	.000000	.000000	.000000	82693.656	-1306.817

```
  TOTAL   20.843406     .000000   -3.520691 -422.482918   12106.030   -2501.209

MODE      37 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  147.959476     .000000 -163.739257  -19648.711  322667.397  -17755.137
REACTNS -137.339596     .000000  158.027079   18963.249 -374628.440   16480.752
CONSTRS    5.514030     .000000     .000000     .000000   61206.896 -661.683566

  TOTAL   16.133910     .000000   -5.712178 -685.461352    9245.853   -1936.069

MODE      38 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  983.128025     .000000   -5505.336 -660640.341  2.5869E+06 -117975.363
REACTNS -982.123012     .000000    5544.986  665398.316 -2.6434E+06  117854.761
CONSTRS    7.938789     .000000     .000000     .000000   35850.175 -952.654670

  TOTAL    8.943801     .000000   39.649791    4757.975  -20565.945   -1073.256

MODE      39 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    2563.342     .000000 -364.816873  -43778.025  1.2620E+06 -307600.983
REACTNS   -2558.368     .000000  371.067277   44528.073 -1.2888E+06  307004.195
CONSTRS    8.851231     .000000     .000000     .000000   26795.064   -1062.148

  TOTAL   13.824462     .000000    6.250404  750.048517  -76.965065   -1658.935

MODE      40 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -5387.702     .000000   -1680.135 -201616.151 -2.1315E+06  646524.253
REACTNS    5416.647     .000000    1672.241  200668.948  2.0646E+06 -649997.610
CONSTRS   10.078179     .000000     .000000     .000000   83619.684   -1209.381

  TOTAL   39.022817     .000000   -7.893356 -947.202759   16788.822   -4682.738

MODE      41 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -3647.296     .000000   -1719.414 -206329.667   14366.515  437675.506
REACTNS    3653.403     .000000    1709.169  205100.277    4149.794 -438408.371
CONSTRS   38.083412     .000000     .000000     .000000   14756.535   -4570.009

  TOTAL   44.190617     .000000  -10.244921   -1229.390   33272.844   -5302.874

MODE      42 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -3749.673     .000000   67.416751    8090.010 -957558.299  449960.815
REACTNS    3744.401     .000000  -95.015666  -11401.880  979197.576 -449328.171
CONSTRS  -35.773310     .000000     .000000     .000000  -34805.913    4292.797

  TOTAL  -41.045344     .000000  -27.598914   -3311.870  -13166.636    4925.441
```

MODE 43 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	5134.267	.000000	4175.472	501056.616	-823219.305	-616112.094
REACTNS	-5132.205	.000000	-4193.162	-503179.493	888533.488	615864.567
CONSTRS	-20.442801	.000000	.000000	.000000	-79341.282	2453.136
TOTAL	-18.380080	.000000	-17.690643	-2122.877	-14027.099	2205.610

MODE 44 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-23080.331	.000000	1616.902	194028.270	-5.4253E+06	2.7696E+06
REACTNS	23078.056	.000000	-1619.782	-194373.818	5.5087E+06	-2.7694E+06
CONSTRS	-7.331675	.000000	.000000	.000000	-80894.117	879.801055
TOTAL	-9.606420	.000000	-2.879567	-345.548022	2524.532	1152.770

MODE 45 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-44764.164	.000000	64.127473	7695.297	-9.0791E+06	5.3717E+06
REACTNS	44759.456	.000000	-48.206918	-5784.830	9.1972E+06	-5.3711E+06
CONSTRS	-4.413430	.000000	.000000	.000000	-125087.912	529.611556
TOTAL	-9.121094	.000000	15.920554	1910.467	-7001.540	1094.531

MODE 46 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-550.640821	.000000	-75.868363	-9104.204	-348937.850	66076.898
REACTNS	555.281838	.000000	83.147075	9977.649	339973.557	-66633.821
CONSTRS	-14.422939	.000000	.000000	.000000	-8207.743	1730.753
TOTAL	-9.781922	.000000	7.278712	873.445497	-17172.036	1173.831

MODE 47 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-7983.745	.000000	510.420569	61250.468	-1.8829E+06	958049.347
REACTNS	7980.316	.000000	-504.848141	-60581.777	1.9132E+06	-957637.873
CONSTRS	10.426256	.000000	.000000	.000000	-18450.719	-1251.151
TOTAL	6.997308	.000000	5.572428	668.691417	11915.142	-839.676944

MODE 48 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	4536.715	.000000	-115.003373	-13800.405	943877.787	-544405.854
REACTNS	-4545.045	.000000	108.161224	12979.347	-947448.511	545405.380
CONSTRS	4.108975	.000000	.000000	.000000	8290.125	-493.077034
TOTAL	-4.220408	.000000	-6.842149	-821.057848	4719.400	506.449013

MODE 49 ----------

	FX	FY	FZ	MX	MY	MZ

APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	2670.157	.000000	-270.508059	-32460.967	633060.715	-320418.857
REACTNS	-2665.389	.000000	260.790482	31294.858	-633660.087	319846.669
CONSTRS	5.338261	.000000	.000000	.000000	10651.706	-640.591354
TOTAL	10.106496	.000000	-9.717578	-1166.109	10052.333	-1212.780

MODE 50 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-696.551538	.000000	-5.176851	-621.222078	-209618.482	83586.185
REACTNS	692.915584	.000000	-3.788628	-454.635370	219220.704	-83149.870
CONSTRS	9.165031	.000000	.000000	.000000	3168.501	-1099.804
TOTAL	5.529076	.000000	-8.965479	-1075.857	12770.723	-663.489160

MODE 51 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	5028.607	.000000	36.771148	4412.538	964077.141	-603432.881
REACTNS	-5028.963	.000000	-26.217653	-3146.118	-982887.319	603475.599
CONSTRS	7.989684	.000000	.000000	.000000	19770.774	-958.762128
TOTAL	7.633701	.000000	10.553495	1266.419	960.595516	-916.044142

MODE 52 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	2538.105	.000000	-31.339568	-3760.748	514765.305	-304572.578
REACTNS	-2538.288	.000000	38.089735	4570.768	-526261.990	304594.606
CONSTRS	-30.235832	.000000	.000000	.000000	-11604.414	3628.300
TOTAL	-30.419398	.000000	6.750167	810.020038	-23101.099	3650.328

MODE 53 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	24.305386	.000000	-81.741529	-9808.983	29582.302	-2916.646
REACTNS	-17.841853	.000000	79.493428	9539.211	-27980.934	2141.022
CONSTRS	-16.967863	.000000	.000000	.000000	-9215.088	2036.144
TOTAL	-10.504330	.000000	-2.248100	-269.772035	-7613.721	1260.520

MODE 54 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-1220.762	.000000	-19.100809	-2292.097	-224039.312	146491.414
REACTNS	1215.998	.000000	28.357929	3402.951	217489.906	-145919.771
CONSTRS	-46.968284	.000000	.000000	.000000	-28747.579	5636.194
TOTAL	-51.731976	.000000	9.257120	1110.854	-35296.985	6207.837

MODE 55 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	4220.134	.000000	314.121479	37694.577	531633.264	-506416.137
REACTNS	-4207.564	.000000	-319.288260	-38314.591	-642510.528	504907.650

```
CONSTRS   11.609863     .000000     .000000     .000000  121436.622   -1393.184

  TOTAL   24.180591     .000000   -5.166781 -620.013718   10559.357   -2901.671

MODE      56 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  -33.095727     .000000  894.317950  107318.154  2.1628E+06    3971.487
REACTNS   38.400717     .000000 -854.693594 -102563.231 -2.8907E+06   -4608.086
CONSTRS   53.406386     .000000     .000000     .000000  743524.011   -6408.766

  TOTAL   58.711376     .000000   39.624356    4754.923   15662.577   -7045.365

MODE      57 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -2506.466     .000000    2028.812  243457.384 -1.5741E+06  300775.869
REACTNS    2509.560     .000000   -2000.482 -240057.887  1.5788E+06 -301147.249
CONSTRS   24.327242     .000000     .000000     .000000  -10174.418   -2919.269

  TOTAL   27.422074     .000000   28.329148    3399.498   -5472.897   -3290.649

MODE      58 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -901.162726     .000000   -1518.303 -182196.327  2.3385E+06  108139.527
REACTNS  906.799189     .000000    1621.911  194629.265 -2.6272E+06 -108815.903
CONSTRS   56.490417     .000000     .000000     .000000  258885.167   -6778.850

  TOTAL   62.126879     .000000  103.607818   12432.938  -29861.546   -7455.226

MODE      59 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    1676.600     .000000   -3415.502 -409860.243  1.2026E+06 -201192.034
REACTNS   -1695.812     .000000    3422.207  410664.845 -801879.209  203497.444
CONSTRS -100.865195     .000000     .000000     .000000 -478802.567   12103.823

  TOTAL -120.076945     .000000    6.705014  804.601698  -78068.267   14409.233

MODE      60 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    4373.901     .000000    5763.763  691651.501 -7.8574E+06 -524868.094
REACTNS   -4370.536     .000000   -5770.637 -692476.461  8.1877E+06  524464.348
CONSTRS  -95.318454     .000000     .000000     .000000 -392410.582   11438.215

  TOTAL  -91.953905     .000000   -6.874669 -824.960307  -62048.235   11034.469

MODE      61 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   15.752545     .000000   29610.453  3.5533E+06 -1.4945E+07   -1890.305
REACTNS  -40.112232     .000000  -29706.118 -3.5647E+06  1.4987E+07    4813.468
CONSTRS  -43.239683     .000000     .000000     .000000  -26437.702    5188.762

  TOTAL  -67.599371     .000000  -95.665061  -11479.807   16056.700    8111.925
```

MODE 62 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-5316.865	.000000	6750.730	810087.560	-3.3928E+06	638023.815
REACTNS	5311.520	.000000	-6827.156	-819258.732	3.8761E+06	-637382.426
CONSTRS	-18.284440	.000000	.000000	.000000	-448477.492	2194.133
TOTAL	-23.629340	.000000	-76.426436	-9171.172	34824.687	2835.521

MODE 63 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-735.544252	.000000	-17074.514	-2.0489E+06	1.9475E+07	88265.310
REACTNS	753.640975	.000000	17223.071	2.0668E+06	-1.9445E+07	-90436.917
CONSTRS	78.687403	.000000	.000000	.000000	-50931.886	-9442.488
TOTAL	96.784126	.000000	148.557518	17826.902	-20891.410	-11614.095

MODE 64 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-1017.401	.000000	36274.720	4.3530E+06	-8.6186E+06	122088.111
REACTNS	1015.801	.000000	-36344.761	-4.3614E+06	8.6004E+06	-121896.166
CONSTRS	-0.954486	.000000	.000000	.000000	53501.057	114.538283
TOTAL	-2.554026	.000000	-70.040907	-8404.909	35291.684	306.483157

MODE 65 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-667.268183	.000000	-39605.566	-4.7527E+06	2.7788E+07	80072.182
REACTNS	674.519135	.000000	39567.667	4.7481E+06	-2.7712E+07	-80942.296
CONSTRS	-12.351390	.000000	.000000	.000000	-49529.942	1482.167
TOTAL	-5.100437	.000000	-37.899771	-4547.973	26899.601	612.052462

MODE 66 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	513.846608	.000000	20981.811	2.5178E+06	-1.8665E+07	-61661.593
REACTNS	-501.578367	.000000	-20795.962	-2.4955E+06	1.8751E+07	60189.404
CONSTRS	90.772300	.000000	.000000	.000000	-124077.456	-10892.676
TOTAL	103.040541	.000000	185.848986	22301.878	-37816.885	-12364.865

MODE 67 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-769.098574	.000000	-1154.711	-138565.361	-7.8239E+06	92291.829
REACTNS	777.048972	.000000	1198.708	143844.953	7.5832E+06	-93245.877
CONSTRS	45.762279	.000000	.000000	.000000	242056.348	-5491.473
TOTAL	53.712676	.000000	43.996607	5279.593	1393.900	-6445.521

MODE 68 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-1610.431	.000000	-5240.704	-628884.523	580976.726	193251.756
REACTNS	1613.683	.000000	5204.441	624532.938	-510821.285	-193641.963
CONSTRS	-23.460076	.000000	.000000	.000000	-64685.431	2815.209
TOTAL	-20.208350	.000000	-36.263203	-4351.584	5470.010	2425.002

MODE 69 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	2341.415	.000000	9027.150	1.0833E+06	-1.5288E+06	-280969.830
REACTNS	-2332.453	.000000	-9037.822	-1.0845E+06	1.4100E+06	279894.382
CONSTRS	0.344266	.000000	.000000	.000000	126153.321	-41.311939
TOTAL	9.306333	.000000	-10.672683	-1280.722	7283.699	-1116.760

MODE 70 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	848.335168	.000000	-22108.712	-2.6530E+06	1.5432E+07	-101800.220
REACTNS	-856.486575	.000000	22198.774	2.6639E+06	-1.5720E+07	102778.389
CONSTRS	66.851886	.000000	.000000	.000000	273536.768	-8022.226
TOTAL	58.700479	.000000	90.061640	10807.397	-14579.156	-7044.057

MODE 71 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-147.382907	.000000	25561.871	3.0674E+06	-1.4509E+07	17685.949
REACTNS	135.368183	.000000	-25572.140	-3.0687E+06	1.4500E+07	-16244.182
CONSTRS	13.751282	.000000	.000000	.000000	8201.901	-1650.154
TOTAL	1.736558	.000000	-10.268839	-1232.261	-893.188664	-208.386955

MODE 72 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	2709.035	.000000	10033.358	1.2040E+06	-4.8064E+06	-325084.204
REACTNS	-2693.549	.000000	-10035.184	-1.2042E+06	4.4188E+06	323225.936
CONSTRS	0.021045	.000000	.000000	.000000	404219.071	-2.525363
TOTAL	15.506609	.000000	-1.825136	-219.016264	16614.865	-1860.793

MODE 73 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	3205.196	.000000	-18772.049	-2.2526E+06	1.8324E+07	-384623.508
REACTNS	-3173.853	.000000	18797.233	2.2557E+06	-1.7795E+07	380862.406
CONSTRS	-11.219166	.000000	.000000	.000000	-528995.780	1346.300
TOTAL	20.123351	.000000	25.184439	3022.133	-98.582601	-2414.802

MODE 74 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	2041.783	.000000	16018.596	1.9222E+06	-6.8597E+06	-245013.929

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REACTNS   -2064.101     .000000  -16175.987 -1.9411E+06  6.3340E+06  247692.065
CONSTRS   17.693114     .000000     .000000     .000000  593970.189   -2123.174

  TOTAL   -4.624691     .000000 -157.390187  -18886.822   68315.384  554.962974

MODE      75 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    1460.396     .000000  -20420.510 -2.4505E+06  3.7324E+06 -175247.568
REACTNS   -1463.606     .000000   20446.650  2.4536E+06 -3.8801E+06  175632.724
CONSTRS    2.710458     .000000     .000000     .000000  148915.449 -325.254998

  TOTAL   -0.499172     .000000   26.140739    3136.889    1171.340   59.900625

MODE      76 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -1359.362     .000000  -29766.210 -3.5719E+06  2.3669E+07  163123.394
REACTNS    1373.505     .000000   29792.387  3.5751E+06 -2.3691E+07 -164820.544
CONSTRS  -73.433540     .000000     .000000     .000000  -18477.153    8812.025

  TOTAL  -59.290624     .000000   26.176552    3141.186  -40627.103    7114.875

MODE      77 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -2567.040     .000000   -5340.934 -640912.072  3.5777E+06  308044.853
REACTNS    2582.778     .000000    5406.449  648773.842 -3.9451E+06 -309933.360
CONSTRS -149.799439     .000000     .000000     .000000  229593.253   17975.933

  TOTAL -134.061884     .000000   65.514750    7861.770 -137823.155   16087.426

MODE      78 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -7158.681     .000000   -2030.807 -243696.891  4.1174E+06  859041.728
REACTNS    7160.704     .000000    2025.593  243071.176 -3.6099E+06 -859284.429
CONSTRS   15.212791     .000000     .000000     .000000 -503372.267   -1825.535

  TOTAL   17.235292     .000000   -5.214285 -625.714202    4134.685   -2068.235

MODE      79 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -6513.844     .000000   15322.238  1.8387E+06 -8.7641E+06  781661.320
REACTNS    6508.248     .000000  -15318.782 -1.8383E+06  9.3895E+06 -780989.707
CONSTRS  -10.725514     .000000     .000000     .000000 -634341.565    1287.062

  TOTAL  -16.322292     .000000    3.456363  414.763575   -8890.490    1958.675

MODE      80 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    1341.603     .000000   22710.740  2.7253E+06  1.7930E+07 -160992.317
REACTNS   -1347.354     .000000  -22748.742 -2.7298E+06 -1.7750E+07  161682.483
CONSTRS   26.240823     .000000     .000000     .000000 -146081.409   -3148.899
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  TOTAL   20.489446     .000000  -38.002171   -4560.261   34185.400   -2458.734

MODE      81 ------------------

                FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -165932.944     .000000    1958.334  235000.054 -3.2365E+07  1.9912E+07
REACTNS  205847.485     .000000   -1061.504 -127380.432  4.2482E+07 -2.4702E+07
CONSTRS   -5295.612     .000000     .000000     .000000 -2.9518E+06  635473.410

  TOTAL   34618.930     .000000  896.830187  107619.622  7.1650E+06 -4.1543E+06

MODE      82 ------------------

                FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -511.994796     .000000 -328616.461 -3.9434E+07  1.6627E+08   61439.376
REACTNS  237.590976     .000000  443997.822  5.3280E+07 -2.2449E+08  -28510.917
CONSTRS   -1636.606     .000000     .000000     .000000 -1.0632E+06  196392.679

  TOTAL   -1911.009     .000000  115381.361  1.3846E+07 -5.9282E+07  229321.138

SPEC   HORIZ ------------------

                FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   38136.541     .000000  451.430244   54171.629  2.3252E+07  4.5764E+06
REACTNS   38137.459     .000000  449.965923   53995.911  2.2470E+07  4.5765E+06
CONSTRS    6.103711     .000000     .000000     .000000  783517.095  732.445269

  TOTAL   39.214570     .000000    3.779071  453.488545    8224.145    4705.748

COMBDEADLOAD ------------------ MAX

                FX          FY          FZ          MX          MY          MZ
APPLIED    2.75E-16    2.23E-30  213951.875  2.5674E+07  1.0980E+08    3.77E-14
INERTIA     .000000     .000000     .000000     .000000     .000000     .000000
REACTNS    1.30E-11    9.24E-33  213951.875  2.5674E+07  1.0979E+08    1.66E-09
CONSTRS    9.47E-12     .000000     .000000     .000000   10975.419    1.07E-09

  TOTAL    1.25E-11    2.24E-30    6.61E-10    8.19E-08    3.94E-07    1.57E-09

COMBDEADLOAD ------------------ MIN

                FX          FY          FZ          MX          MY          MZ
APPLIED   -2.75E-16   -2.23E-30 -213951.875 -2.5674E+07 -1.0980E+08   -3.77E-14
INERTIA     .000000     .000000     .000000     .000000     .000000     .000000
REACTNS   -1.30E-11   -9.24E-33 -213951.875 -2.5674E+07 -1.0979E+08   -1.66E-09
CONSTRS   -9.47E-12     .000000     .000000     .000000  -10975.419   -1.07E-09

  TOTAL   -1.25E-11   -2.24E-30   -6.61E-10   -8.19E-08   -3.94E-07   -1.57E-09


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                                                                          Page
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F R A M E   E L E M E N T   I N T E R N A L   F O R C E S

ELEM       3 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    3236.568  122.306991     .000000     .000000     .000000    4195.487
0.50000    3236.568  122.306991     .000000     .000000     .000000    1323.403
1.00000    3236.568  122.306991     .000000     .000000     .000000    1770.153

ELEM       5 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3224.411   59.268108     .000000     .000000     .000000    1637.065
0.50000    3224.411   59.268108     .000000     .000000     .000000  317.800826
1.00000    3224.411   59.268108     .000000     .000000     .000000    1252.458

ELEM       7 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3194.971   48.141554     .000000     .000000     .000000    1746.794
0.50000    3194.971   48.141554     .000000     .000000     .000000  623.806880
1.00000    3194.971   48.141554     .000000     .000000     .000000  629.972530

ELEM       8 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3179.758   19.061466     .000000     .000000     .000000  629.972530
0.50000    3179.758   19.061466     .000000     .000000     .000000  867.797159
1.00000    3179.758   19.061466     .000000     .000000     .000000    1236.060

ELEM      10 ================== LENGTH =   63.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3023.697   20.365836     .000000     .000000     .000000  685.023997
0.50000    3023.697   20.365836     .000000     .000000     .000000   43.500282
1.00000    3023.697   20.365836     .000000     .000000     .000000  598.023684

ELEM      11 ================== LENGTH =   21.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  129.218187   28.477318     .000000     .000000     .000000  598.023684
0.50000  129.218187   28.477318     .000000     .000000     .000000  299.011842
1.00000  129.218187   28.477318     .000000     .000000     .000000    1.25E-11

ELEM      12 ================== LENGTH =  103.966341

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    9853.146     .000000     .000000     .000000     .000000     .000000
0.50000    9853.146     .000000     .000000     .000000     .000000     .000000
1.00000    9853.146     .000000     .000000     .000000     .000000     .000000

ELEM      13 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	133.869480	.000000	.000000	.000000	.000000	.000000
0.25000	133.869480	.000000	.000000	.000000	.000000	.000000
0.50000	133.869480	.000000	.000000	.000000	.000000	.000000
0.75000	133.869480	.000000	.000000	.000000	.000000	.000000
1.00000	133.869480	.000000	.000000	.000000	.000000	.000000

ELEM 14 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	247.944610	.000000	.000000	.000000	.000000	.000000
0.25000	247.944610	.000000	.000000	.000000	.000000	.000000
0.50000	247.944610	.000000	.000000	.000000	.000000	.000000
0.75000	247.944610	.000000	.000000	.000000	.000000	.000000
1.00000	247.944610	.000000	.000000	.000000	.000000	.000000

ELEM 15 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	173.142037	.000000	.000000	.000000	.000000	.000000
0.25000	173.142037	.000000	.000000	.000000	.000000	.000000
0.50000	173.142037	.000000	.000000	.000000	.000000	.000000
0.75000	173.142037	.000000	.000000	.000000	.000000	.000000
1.00000	173.142037	.000000	.000000	.000000	.000000	.000000

ELEM 16 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	160.598304	.000000	.000000	.000000	.000000	.000000
0.25000	160.598304	.000000	.000000	.000000	.000000	.000000
0.50000	160.598304	.000000	.000000	.000000	.000000	.000000
0.75000	160.598304	.000000	.000000	.000000	.000000	.000000
1.00000	160.598304	.000000	.000000	.000000	.000000	.000000

ELEM 17 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	103.452317	.000000	.000000	.000000	.000000	.000000
0.25000	103.452317	.000000	.000000	.000000	.000000	.000000
0.50000	103.452317	.000000	.000000	.000000	.000000	.000000
0.75000	103.452317	.000000	.000000	.000000	.000000	.000000
1.00000	103.452317	.000000	.000000	.000000	.000000	.000000

ELEM 18 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	172.170209	.000000	.000000	.000000	.000000	.000000
0.25000	172.170209	.000000	.000000	.000000	.000000	.000000
0.50000	172.170209	.000000	.000000	.000000	.000000	.000000
0.75000	172.170209	.000000	.000000	.000000	.000000	.000000
1.00000	172.170209	.000000	.000000	.000000	.000000	.000000

ELEM 19 ========== LENGTH = 72.000000

```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   55.764484     .000000     .000000     .000000     .000000     .000000
0.25000   55.764484     .000000     .000000     .000000     .000000     .000000
0.50000   55.764484     .000000     .000000     .000000     .000000     .000000
0.75000   55.764484     .000000     .000000     .000000     .000000     .000000
1.00000   55.764484     .000000     .000000     .000000     .000000     .000000

ELEM      20 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  445.455772     .000000     .000000     .000000     .000000     .000000
0.25000  445.455772     .000000     .000000     .000000     .000000     .000000
0.50000  445.455772     .000000     .000000     .000000     .000000     .000000
0.75000  445.455772     .000000     .000000     .000000     .000000     .000000
1.00000  445.455772     .000000     .000000     .000000     .000000     .000000

ELEM      21 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  445.455772     .000000     .000000     .000000     .000000     .000000
0.25000  445.455772     .000000     .000000     .000000     .000000     .000000
0.50000  445.455772     .000000     .000000     .000000     .000000     .000000
0.75000  445.455772     .000000     .000000     .000000     .000000     .000000
1.00000  445.455772     .000000     .000000     .000000     .000000     .000000

ELEM      22 ================== LENGTH =   95.671312

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4462.385     .000000     .000000     .000000     .000000     .000000
0.50000    4462.385     .000000     .000000     .000000     .000000     .000000
1.00000    4462.385     .000000     .000000     .000000     .000000     .000000

ELEM      23 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2907.142     .000000     .000000     .000000     .000000     .000000
0.25000    2907.142     .000000     .000000     .000000     .000000     .000000
0.50000    2907.142     .000000     .000000     .000000     .000000     .000000
0.75000    2907.142     .000000     .000000     .000000     .000000     .000000
1.00000    2907.142     .000000     .000000     .000000     .000000     .000000

ELEM      26 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3992.950  133.099675     .000000     .000000     .000000    4597.615
0.50000    3992.950  133.099675     .000000     .000000     .000000    1458.320
1.00000    3992.950  133.099675     .000000     .000000     .000000    1877.128

ELEM      28 ================== LENGTH =   48.000000
```

```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3611.258   60.524745     .000000     .000000     .000000   1688.768
0.50000    3611.258   60.524745     .000000     .000000     .000000  360.813113
1.00000    3611.258   60.524745     .000000     .000000     .000000   1276.124

ELEM      30 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3223.493   51.463286     .000000     .000000     .000000   1852.485
0.50000    3223.493   51.463286     .000000     .000000     .000000  648.491425
1.00000    3223.493   51.463286     .000000     .000000     .000000  678.540519

ELEM      31 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3216.471   16.592081     .000000     .000000     .000000  678.540519
0.50000    3216.471   16.592081     .000000     .000000     .000000  870.284249
1.00000    3216.471   16.592081     .000000     .000000     .000000   1171.117

ELEM      33 ================== LENGTH =   84.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  202.237157    4.135281     .000000     .000000     .000000  347.363590
0.50000  202.237157    4.135281     .000000     .000000     .000000  173.681795
1.00000  202.237157    4.135281     .000000     .000000     .000000   1.95E-12

ELEM      34 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  528.712953     .000000     .000000     .000000     .000000     .000000
0.25000  528.712953     .000000     .000000     .000000     .000000     .000000
0.50000  528.712953     .000000     .000000     .000000     .000000     .000000
0.75000  528.712953     .000000     .000000     .000000     .000000     .000000
1.00000  528.712953     .000000     .000000     .000000     .000000     .000000

ELEM      35 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  968.660219     .000000     .000000     .000000     .000000     .000000
0.50000  968.660219     .000000     .000000     .000000     .000000     .000000
1.00000  968.660219     .000000     .000000     .000000     .000000     .000000

ELEM      36 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   10967.245     .000000     .000000     .000000     .000000     .000000
0.50000   10967.245     .000000     .000000     .000000     .000000     .000000
1.00000   10967.245     .000000     .000000     .000000     .000000     .000000
```

```
ELEM      37 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  289.908591     .000000     .000000     .000000     .000000     .000000
0.25000  289.908591     .000000     .000000     .000000     .000000     .000000
0.50000  289.908591     .000000     .000000     .000000     .000000     .000000
0.75000  289.908591     .000000     .000000     .000000     .000000     .000000
1.00000  289.908591     .000000     .000000     .000000     .000000     .000000

ELEM      38 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  324.753338     .000000     .000000     .000000     .000000     .000000
0.25000  324.753338     .000000     .000000     .000000     .000000     .000000
0.50000  324.753338     .000000     .000000     .000000     .000000     .000000
0.75000  324.753338     .000000     .000000     .000000     .000000     .000000
1.00000  324.753338     .000000     .000000     .000000     .000000     .000000

ELEM      39 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  687.471780     .000000     .000000     .000000     .000000     .000000
0.50000  687.471780     .000000     .000000     .000000     .000000     .000000
1.00000  687.471780     .000000     .000000     .000000     .000000     .000000

ELEM      40 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  323.736875     .000000     .000000     .000000     .000000     .000000
0.25000  323.736875     .000000     .000000     .000000     .000000     .000000
0.50000  323.736875     .000000     .000000     .000000     .000000     .000000
0.75000  323.736875     .000000     .000000     .000000     .000000     .000000
1.00000  323.736875     .000000     .000000     .000000     .000000     .000000

ELEM      41 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  210.139728     .000000     .000000     .000000     .000000     .000000
0.25000  210.139728     .000000     .000000     .000000     .000000     .000000
0.50000  210.139728     .000000     .000000     .000000     .000000     .000000
0.75000  210.139728     .000000     .000000     .000000     .000000     .000000
1.00000  210.139728     .000000     .000000     .000000     .000000     .000000

ELEM      42 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  727.201037     .000000     .000000     .000000     .000000     .000000
0.50000  727.201037     .000000     .000000     .000000     .000000     .000000
1.00000  727.201037     .000000     .000000     .000000     .000000     .000000

ELEM      43 ================== LENGTH =   72.000000
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```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  260.193210     .000000     .000000     .000000     .000000     .000000
0.25000  260.193210     .000000     .000000     .000000     .000000     .000000
0.50000  260.193210     .000000     .000000     .000000     .000000     .000000
0.75000  260.193210     .000000     .000000     .000000     .000000     .000000
1.00000  260.193210     .000000     .000000     .000000     .000000     .000000

ELEM      44 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   61.342991     .000000     .000000     .000000     .000000     .000000
0.25000   61.342991     .000000     .000000     .000000     .000000     .000000
0.50000   61.342991     .000000     .000000     .000000     .000000     .000000
0.75000   61.342991     .000000     .000000     .000000     .000000     .000000
1.00000   61.342991     .000000     .000000     .000000     .000000     .000000

ELEM      45 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   10335.578     .000000     .000000     .000000     .000000     .000000
0.50000   10335.578     .000000     .000000     .000000     .000000     .000000
1.00000   10335.578     .000000     .000000     .000000     .000000     .000000

ELEM      46 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1465.910     .000000     .000000     .000000     .000000     .000000
0.25000    1465.910     .000000     .000000     .000000     .000000     .000000
0.50000    1465.910     .000000     .000000     .000000     .000000     .000000
0.75000    1465.910     .000000     .000000     .000000     .000000     .000000
1.00000    1465.910     .000000     .000000     .000000     .000000     .000000

ELEM      47 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1465.910     .000000     .000000     .000000     .000000     .000000
0.25000    1465.910     .000000     .000000     .000000     .000000     .000000
0.50000    1465.910     .000000     .000000     .000000     .000000     .000000
0.75000    1465.910     .000000     .000000     .000000     .000000     .000000
1.00000    1465.910     .000000     .000000     .000000     .000000     .000000

ELEM      48 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2088.574     .000000     .000000     .000000     .000000     .000000
0.25000    2088.574     .000000     .000000     .000000     .000000     .000000
0.50000    2088.574     .000000     .000000     .000000     .000000     .000000
0.75000    2088.574     .000000     .000000     .000000     .000000     .000000
1.00000    2088.574     .000000     .000000     .000000     .000000     .000000
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```
ELEM      51 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3814.946  130.151113     .000000     .000000     .000000    4488.249
0.50000    3814.946  130.151113     .000000     .000000     .000000    1416.856
1.00000    3814.946  130.151113     .000000     .000000     .000000    1839.748

ELEM      53 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3415.330   61.155818     .000000     .000000     .000000    1705.581
0.50000    3415.330   61.155818     .000000     .000000     .000000  367.693410
1.00000    3415.330   61.155818     .000000     .000000     .000000    1292.250

ELEM      55 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3730.759   47.185868     .000000     .000000     .000000    1798.402
0.50000    3730.759   47.185868     .000000     .000000     .000000  698.606803
1.00000    3730.759   47.185868     .000000     .000000     .000000  553.886274

ELEM      56 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  929.138142   22.835084     .000000     .000000     .000000  553.886274
0.50000  929.138142   22.835084     .000000     .000000     .000000  891.573635
1.00000  929.138142   22.835084     .000000     .000000     .000000    1372.486

ELEM      58 ================== LENGTH =   84.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  303.832443    4.356092     .000000     .000000     .000000  365.911757
0.50000  303.832443    4.356092     .000000     .000000     .000000  182.955879
1.00000  303.832443    4.356092     .000000     .000000     .000000    3.26E-12

ELEM      59 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  178.113329     .000000     .000000     .000000     .000000     .000000
0.25000  178.113329     .000000     .000000     .000000     .000000     .000000
0.50000  178.113329     .000000     .000000     .000000     .000000     .000000
0.75000  178.113329     .000000     .000000     .000000     .000000     .000000
1.00000  178.113329     .000000     .000000     .000000     .000000     .000000

ELEM      60 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   27.443858     .000000     .000000     .000000     .000000     .000000
0.25000   27.443858     .000000     .000000     .000000     .000000     .000000
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0.50000   27.443858     .000000     .000000     .000000     .000000     .000000
0.75000   27.443858     .000000     .000000     .000000     .000000     .000000
1.00000   27.443858     .000000     .000000     .000000     .000000     .000000

ELEM      61 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  625.005928     .000000     .000000     .000000     .000000     .000000
0.25000  625.005928     .000000     .000000     .000000     .000000     .000000
0.50000  625.005928     .000000     .000000     .000000     .000000     .000000
0.75000  625.005928     .000000     .000000     .000000     .000000     .000000
1.00000  625.005928     .000000     .000000     .000000     .000000     .000000

ELEM      62 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   11912.926     .000000     .000000     .000000     .000000     .000000
0.50000   11912.926     .000000     .000000     .000000     .000000     .000000
1.00000   11912.926     .000000     .000000     .000000     .000000     .000000

ELEM      63 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  121.994281     .000000     .000000     .000000     .000000     .000000
0.25000  121.994281     .000000     .000000     .000000     .000000     .000000
0.50000  121.994281     .000000     .000000     .000000     .000000     .000000
0.75000  121.994281     .000000     .000000     .000000     .000000     .000000
1.00000  121.994281     .000000     .000000     .000000     .000000     .000000

ELEM      64 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  620.380877     .000000     .000000     .000000     .000000     .000000
0.25000  620.380877     .000000     .000000     .000000     .000000     .000000
0.50000  620.380877     .000000     .000000     .000000     .000000     .000000
0.75000  620.380877     .000000     .000000     .000000     .000000     .000000
1.00000  620.380877     .000000     .000000     .000000     .000000     .000000

ELEM      65 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   11326.640     .000000     .000000     .000000     .000000     .000000
0.50000   11326.640     .000000     .000000     .000000     .000000     .000000
1.00000   11326.640     .000000     .000000     .000000     .000000     .000000

ELEM      66 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  116.797003     .000000     .000000     .000000     .000000     .000000
0.25000  116.797003     .000000     .000000     .000000     .000000     .000000
0.50000  116.797003     .000000     .000000     .000000     .000000     .000000
```

```
0.75000  116.797003     .000000     .000000     .000000     .000000     .000000
1.00000  116.797003     .000000     .000000     .000000     .000000     .000000

ELEM      67 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1869.347     .000000     .000000     .000000     .000000     .000000
0.25000    1869.347     .000000     .000000     .000000     .000000     .000000
0.50000    1869.347     .000000     .000000     .000000     .000000     .000000
0.75000    1869.347     .000000     .000000     .000000     .000000     .000000
1.00000    1869.347     .000000     .000000     .000000     .000000     .000000

ELEM      69 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  640.908246     .000000     .000000     .000000     .000000     .000000
0.25000  640.908246     .000000     .000000     .000000     .000000     .000000
0.50000  640.908246     .000000     .000000     .000000     .000000     .000000
0.75000  640.908246     .000000     .000000     .000000     .000000     .000000
1.00000  640.908246     .000000     .000000     .000000     .000000     .000000

ELEM      70 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  640.908246     .000000     .000000     .000000     .000000     .000000
0.25000  640.908246     .000000     .000000     .000000     .000000     .000000
0.50000  640.908246     .000000     .000000     .000000     .000000     .000000
0.75000  640.908246     .000000     .000000     .000000     .000000     .000000
1.00000  640.908246     .000000     .000000     .000000     .000000     .000000

ELEM      71 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1258.171     .000000     .000000     .000000     .000000     .000000
0.25000    1258.171     .000000     .000000     .000000     .000000     .000000
0.50000    1258.171     .000000     .000000     .000000     .000000     .000000
0.75000    1258.171     .000000     .000000     .000000     .000000     .000000
1.00000    1258.171     .000000     .000000     .000000     .000000     .000000

ELEM      74 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1956.339  115.805846     .000000     .000000     .000000    4030.233
0.50000    1956.339  115.805846     .000000     .000000     .000000    1310.820
1.00000    1956.339  115.805846     .000000     .000000     .000000    1625.789

ELEM      76 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1951.076   55.077558     .000000     .000000     .000000    1544.585
0.50000    1951.076   55.077558     .000000     .000000     .000000  367.459774
```

```
1.00000    1951.076   55.077558     .000000     .000000     .000000    1174.285

ELEM      78 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5760.940   33.426515     .000000     .000000     .000000    1526.884
0.50000    5760.940   33.426515     .000000     .000000     .000000  759.818473
1.00000    5760.940   33.426515     .000000     .000000     .000000  332.323453

ELEM      79 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  429.222279   37.698556     .000000     .000000     .000000  332.323453
0.50000  429.222279   37.698556     .000000     .000000     .000000  884.909541
1.00000  429.222279   37.698556     .000000     .000000     .000000    1758.662

ELEM      81 ================== LENGTH =   84.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  154.164781    4.577366     .000000     .000000     .000000  384.498779
0.50000  154.164781    4.577366     .000000     .000000     .000000  192.249390
1.00000  154.164781    4.577366     .000000     .000000     .000000    1.17E-12

ELEM      82 ================== LENGTH =   60.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   10234.484   25.431455    1.25E-15     .000000     .000000     .000000
0.50000   10234.484   25.431455    1.25E-15     .000000    3.76E-14  762.943650
1.00000   10234.484   25.431455    1.25E-15     .000000    7.51E-14    1525.887

ELEM      83 ================== LENGTH =   60.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    6797.195   15.582402    7.67E-16     .000000     .000000     .000000
0.50000    6797.195   15.582402    7.67E-16     .000000    2.30E-14  467.472058
1.00000    6797.195   15.582402    7.67E-16     .000000    4.60E-14  934.944116

ELEM      84 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  104.270442     .000000     .000000     .000000     .000000     .000000
0.25000  104.270442     .000000     .000000     .000000     .000000     .000000
0.50000  104.270442     .000000     .000000     .000000     .000000     .000000
0.75000  104.270442     .000000     .000000     .000000     .000000     .000000
1.00000  104.270442     .000000     .000000     .000000     .000000     .000000

ELEM      85 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000  219.889878     .000000     .000000     .000000     .000000     .000000
0.25000  219.889878     .000000     .000000     .000000     .000000     .000000
0.50000  219.889878     .000000     .000000     .000000     .000000     .000000
0.75000  219.889878     .000000     .000000     .000000     .000000     .000000
1.00000  219.889878     .000000     .000000     .000000     .000000     .000000

ELEM      86 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  482.829473     .000000     .000000     .000000     .000000     .000000
0.25000  482.829473     .000000     .000000     .000000     .000000     .000000
0.50000  482.829473     .000000     .000000     .000000     .000000     .000000
0.75000  482.829473     .000000     .000000     .000000     .000000     .000000
1.00000  482.829473     .000000     .000000     .000000     .000000     .000000

ELEM      87 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    8252.885     .000000     .000000     .000000     .000000     .000000
0.50000    8252.885     .000000     .000000     .000000     .000000     .000000
1.00000    8252.885     .000000     .000000     .000000     .000000     .000000

ELEM      88 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  110.427500     .000000     .000000     .000000     .000000     .000000
0.25000  110.427500     .000000     .000000     .000000     .000000     .000000
0.50000  110.427500     .000000     .000000     .000000     .000000     .000000
0.75000  110.427500     .000000     .000000     .000000     .000000     .000000
1.00000  110.427500     .000000     .000000     .000000     .000000     .000000

ELEM      89 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1291.778     .000000     .000000     .000000     .000000     .000000
0.25000    1291.778     .000000     .000000     .000000     .000000     .000000
0.50000    1291.778     .000000     .000000     .000000     .000000     .000000
0.75000    1291.778     .000000     .000000     .000000     .000000     .000000
1.00000    1291.778     .000000     .000000     .000000     .000000     .000000

ELEM      90 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  134.999622     .000000     .000000     .000000     .000000     .000000
0.25000  134.999622     .000000     .000000     .000000     .000000     .000000
0.50000  134.999622     .000000     .000000     .000000     .000000     .000000
0.75000  134.999622     .000000     .000000     .000000     .000000     .000000
1.00000  134.999622     .000000     .000000     .000000     .000000     .000000

ELEM      91 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	2199.612	.000000	.000000	.000000	.000000	.000000
0.25000	2199.612	.000000	.000000	.000000	.000000	.000000
0.50000	2199.612	.000000	.000000	.000000	.000000	.000000
0.75000	2199.612	.000000	.000000	.000000	.000000	.000000
1.00000	2199.612	.000000	.000000	.000000	.000000	.000000

ELEM 92 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	176.152886	.000000	.000000	.000000	.000000	.000000
0.25000	176.152886	.000000	.000000	.000000	.000000	.000000
0.50000	176.152886	.000000	.000000	.000000	.000000	.000000
0.75000	176.152886	.000000	.000000	.000000	.000000	.000000
1.00000	176.152886	.000000	.000000	.000000	.000000	.000000

ELEM 93 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	176.152886	.000000	.000000	.000000	.000000	.000000
0.25000	176.152886	.000000	.000000	.000000	.000000	.000000
0.50000	176.152886	.000000	.000000	.000000	.000000	.000000
0.75000	176.152886	.000000	.000000	.000000	.000000	.000000
1.00000	176.152886	.000000	.000000	.000000	.000000	.000000

ELEM 94 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	376.824568	.000000	.000000	.000000	.000000	.000000
0.25000	376.824568	.000000	.000000	.000000	.000000	.000000
0.50000	376.824568	.000000	.000000	.000000	.000000	.000000
0.75000	376.824568	.000000	.000000	.000000	.000000	.000000
1.00000	376.824568	.000000	.000000	.000000	.000000	.000000

ELEM 95 ========== LENGTH = 60.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	6859.720	13.046125	6.42E-16	.000000	3.85E-14	782.767471
0.50000	6859.720	13.046125	6.42E-16	.000000	1.93E-14	391.383736
1.00000	6859.720	13.046125	6.42E-16	.000000	2.72E-29	4.99E-13

ELEM 96 ========== LENGTH = 60.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	10186.575	22.880374	1.13E-15	.000000	6.76E-14	1372.822
0.50000	10186.575	22.880374	1.13E-15	.000000	3.38E-14	686.411209
1.00000	10186.575	22.880374	1.13E-15	.000000	4.36E-29	1.30E-12

ELEM 99 ========== LENGTH = 48.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3

```
0.00000  849.388311  111.965562     .000000     .000000     .000000    3978.694
0.50000  849.388311  111.965562     .000000     .000000     .000000    1345.527
1.00000  849.388311  111.965562     .000000     .000000     .000000    1494.216

ELEM     101 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1095.810   48.999065     .000000     .000000     .000000    1389.518
0.50000    1095.810   48.999065     .000000     .000000     .000000  352.583955
1.00000    1095.810   48.999065     .000000     .000000     .000000    1041.018

ELEM     103 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3084.032   42.887001     .000000     .000000     .000000    1638.469
0.50000    3084.032   42.887001     .000000     .000000     .000000  633.161490
1.00000    3084.032   42.887001     .000000     .000000     .000000  485.875054

ELEM     104 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  807.710125   22.558047     .000000     .000000     .000000  485.875054
0.50000  807.710125   22.558047     .000000     .000000     .000000  889.228249
1.00000  807.710125   22.558047     .000000     .000000     .000000    1389.817

ELEM     106 ================== LENGTH =   84.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  303.538229    4.745564     .000000     .000000     .000000  398.627358
0.50000  303.538229    4.745564     .000000     .000000     .000000  199.313679
1.00000  303.538229    4.745564     .000000     .000000     .000000    2.35E-12

ELEM     107 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  813.437594     .000000     .000000     .000000     .000000     .000000
0.25000  813.437594     .000000     .000000     .000000     .000000     .000000
0.50000  813.437594     .000000     .000000     .000000     .000000     .000000
0.75000  813.437594     .000000     .000000     .000000     .000000     .000000
1.00000  813.437594     .000000     .000000     .000000     .000000     .000000

ELEM     108 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1053.907     .000000     .000000     .000000     .000000     .000000
0.50000    1053.907     .000000     .000000     .000000     .000000     .000000
1.00000    1053.907     .000000     .000000     .000000     .000000     .000000

ELEM     109 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    8704.124     .000000     .000000     .000000     .000000     .000000
0.50000    8704.124     .000000     .000000     .000000     .000000     .000000
1.00000    8704.124     .000000     .000000     .000000     .000000     .000000

ELEM     110 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  455.414758     .000000     .000000     .000000     .000000     .000000
0.25000  455.414758     .000000     .000000     .000000     .000000     .000000
0.50000  455.414758     .000000     .000000     .000000     .000000     .000000
0.75000  455.414758     .000000     .000000     .000000     .000000     .000000
1.00000  455.414758     .000000     .000000     .000000     .000000     .000000

ELEM     111 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  201.779560     .000000     .000000     .000000     .000000     .000000
0.25000  201.779560     .000000     .000000     .000000     .000000     .000000
0.50000  201.779560     .000000     .000000     .000000     .000000     .000000
0.75000  201.779560     .000000     .000000     .000000     .000000     .000000
1.00000  201.779560     .000000     .000000     .000000     .000000     .000000

ELEM     112 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    9721.967     .000000     .000000     .000000     .000000     .000000
0.50000    9721.967     .000000     .000000     .000000     .000000     .000000
1.00000    9721.967     .000000     .000000     .000000     .000000     .000000

ELEM     113 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  218.147338     .000000     .000000     .000000     .000000     .000000
0.25000  218.147338     .000000     .000000     .000000     .000000     .000000
0.50000  218.147338     .000000     .000000     .000000     .000000     .000000
0.75000  218.147338     .000000     .000000     .000000     .000000     .000000
1.00000  218.147338     .000000     .000000     .000000     .000000     .000000

ELEM     114 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  723.250627     .000000     .000000     .000000     .000000     .000000
0.25000  723.250627     .000000     .000000     .000000     .000000     .000000
0.50000  723.250627     .000000     .000000     .000000     .000000     .000000
0.75000  723.250627     .000000     .000000     .000000     .000000     .000000
1.00000  723.250627     .000000     .000000     .000000     .000000     .000000

ELEM     115 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000  273.796760     .000000     .000000     .000000     .000000     .000000
0.25000  273.796760     .000000     .000000     .000000     .000000     .000000
0.50000  273.796760     .000000     .000000     .000000     .000000     .000000
0.75000  273.796760     .000000     .000000     .000000     .000000     .000000
1.00000  273.796760     .000000     .000000     .000000     .000000     .000000

ELEM     116 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  479.010493     .000000     .000000     .000000     .000000     .000000
0.25000  479.010493     .000000     .000000     .000000     .000000     .000000
0.50000  479.010493     .000000     .000000     .000000     .000000     .000000
0.75000  479.010493     .000000     .000000     .000000     .000000     .000000
1.00000  479.010493     .000000     .000000     .000000     .000000     .000000

ELEM     117 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    9446.487     .000000     .000000     .000000     .000000     .000000
0.50000    9446.487     .000000     .000000     .000000     .000000     .000000
1.00000    9446.487     .000000     .000000     .000000     .000000     .000000

ELEM     118 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  915.206746     .000000     .000000     .000000     .000000     .000000
0.25000  915.206746     .000000     .000000     .000000     .000000     .000000
0.50000  915.206746     .000000     .000000     .000000     .000000     .000000
0.75000  915.206746     .000000     .000000     .000000     .000000     .000000
1.00000  915.206746     .000000     .000000     .000000     .000000     .000000

ELEM     119 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  915.206746     .000000     .000000     .000000     .000000     .000000
0.25000  915.206746     .000000     .000000     .000000     .000000     .000000
0.50000  915.206746     .000000     .000000     .000000     .000000     .000000
0.75000  915.206746     .000000     .000000     .000000     .000000     .000000
1.00000  915.206746     .000000     .000000     .000000     .000000     .000000

ELEM     120 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  701.324408     .000000     .000000     .000000     .000000     .000000
0.25000  701.324408     .000000     .000000     .000000     .000000     .000000
0.50000  701.324408     .000000     .000000     .000000     .000000     .000000
0.75000  701.324408     .000000     .000000     .000000     .000000     .000000
1.00000  701.324408     .000000     .000000     .000000     .000000     .000000

ELEM     123 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	2204.009	113.766941	.000000	.000000	.000000	3963.180
0.50000	2204.009	113.766941	.000000	.000000	.000000	1286.596
1.00000	2204.009	113.766941	.000000	.000000	.000000	1585.592

ELEM 125 ========== LENGTH = 48.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	2770.974	53.889345	.000000	.000000	.000000	1499.474
0.50000	2770.974	53.889345	.000000	.000000	.000000	327.517128
1.00000	2770.974	53.889345	.000000	.000000	.000000	1145.247

ELEM 127 ========== LENGTH = 48.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	3142.752	50.468643	.000000	.000000	.000000	1813.316
0.50000	3142.752	50.468643	.000000	.000000	.000000	619.714495
1.00000	3142.752	50.468643	.000000	.000000	.000000	643.598050

ELEM 128 ========== LENGTH = 48.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	3136.680	13.859283	.000000	.000000	.000000	643.598050
0.50000	3136.680	13.859283	.000000	.000000	.000000	888.595702
1.00000	3136.680	13.859283	.000000	.000000	.000000	1177.396

ELEM 130 ========== LENGTH = 84.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	259.127218	4.851276	.000000	.000000	.000000	407.507221
0.50000	259.127218	4.851276	.000000	.000000	.000000	203.753610
1.00000	259.127218	4.851276	.000000	.000000	.000000	1.76E-12

ELEM 131 ========== LENGTH = 103.966341

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	8253.625	.000000	.000000	.000000	.000000	.000000
0.50000	8253.625	.000000	.000000	.000000	.000000	.000000
1.00000	8253.625	.000000	.000000	.000000	.000000	.000000

ELEM 132 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	237.537242	.000000	.000000	.000000	.000000	.000000
0.25000	237.537242	.000000	.000000	.000000	.000000	.000000
0.50000	237.537242	.000000	.000000	.000000	.000000	.000000
0.75000	237.537242	.000000	.000000	.000000	.000000	.000000
1.00000	237.537242	.000000	.000000	.000000	.000000	.000000

ELEM 133 ========== LENGTH = 120.000000

```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   10184.571     .000000     .000000     .000000     .000000     .000000
0.50000   10184.571     .000000     .000000     .000000     .000000     .000000
1.00000   10184.571     .000000     .000000     .000000     .000000     .000000

ELEM     134 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  195.876649     .000000     .000000     .000000     .000000     .000000
0.25000  195.876649     .000000     .000000     .000000     .000000     .000000
0.50000  195.876649     .000000     .000000     .000000     .000000     .000000
0.75000  195.876649     .000000     .000000     .000000     .000000     .000000
1.00000  195.876649     .000000     .000000     .000000     .000000     .000000

ELEM     135 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  446.173178     .000000     .000000     .000000     .000000     .000000
0.25000  446.173178     .000000     .000000     .000000     .000000     .000000
0.50000  446.173178     .000000     .000000     .000000     .000000     .000000
0.75000  446.173178     .000000     .000000     .000000     .000000     .000000
1.00000  446.173178     .000000     .000000     .000000     .000000     .000000

ELEM     136 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  915.213628     .000000     .000000     .000000     .000000     .000000
0.50000  915.213628     .000000     .000000     .000000     .000000     .000000
1.00000  915.213628     .000000     .000000     .000000     .000000     .000000

ELEM     137 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  427.821565     .000000     .000000     .000000     .000000     .000000
0.25000  427.821565     .000000     .000000     .000000     .000000     .000000
0.50000  427.821565     .000000     .000000     .000000     .000000     .000000
0.75000  427.821565     .000000     .000000     .000000     .000000     .000000
1.00000  427.821565     .000000     .000000     .000000     .000000     .000000

ELEM     138 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  175.620269     .000000     .000000     .000000     .000000     .000000
0.25000  175.620269     .000000     .000000     .000000     .000000     .000000
0.50000  175.620269     .000000     .000000     .000000     .000000     .000000
0.75000  175.620269     .000000     .000000     .000000     .000000     .000000
1.00000  175.620269     .000000     .000000     .000000     .000000     .000000

ELEM     139 ================== LENGTH =   86.533231
```

```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  846.763010     .000000     .000000     .000000     .000000     .000000
0.50000  846.763010     .000000     .000000     .000000     .000000     .000000
1.00000  846.763010     .000000     .000000     .000000     .000000     .000000

ELEM     140 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  446.939674     .000000     .000000     .000000     .000000     .000000
0.25000  446.939674     .000000     .000000     .000000     .000000     .000000
0.50000  446.939674     .000000     .000000     .000000     .000000     .000000
0.75000  446.939674     .000000     .000000     .000000     .000000     .000000
1.00000  446.939674     .000000     .000000     .000000     .000000     .000000

ELEM     141 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  480.488402     .000000     .000000     .000000     .000000     .000000
0.25000  480.488402     .000000     .000000     .000000     .000000     .000000
0.50000  480.488402     .000000     .000000     .000000     .000000     .000000
0.75000  480.488402     .000000     .000000     .000000     .000000     .000000
1.00000  480.488402     .000000     .000000     .000000     .000000     .000000

ELEM     142 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  856.186909     .000000     .000000     .000000     .000000     .000000
0.25000  856.186909     .000000     .000000     .000000     .000000     .000000
0.50000  856.186909     .000000     .000000     .000000     .000000     .000000
0.75000  856.186909     .000000     .000000     .000000     .000000     .000000
1.00000  856.186909     .000000     .000000     .000000     .000000     .000000

ELEM     143 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  856.186909     .000000     .000000     .000000     .000000     .000000
0.25000  856.186909     .000000     .000000     .000000     .000000     .000000
0.50000  856.186909     .000000     .000000     .000000     .000000     .000000
0.75000  856.186909     .000000     .000000     .000000     .000000     .000000
1.00000  856.186909     .000000     .000000     .000000     .000000     .000000

ELEM     144 ================== LENGTH =   95.671312

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3725.494     .000000     .000000     .000000     .000000     .000000
0.50000    3725.494     .000000     .000000     .000000     .000000     .000000
1.00000    3725.494     .000000     .000000     .000000     .000000     .000000

ELEM     145 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	1520.364	.000000	.000000	.000000	.000000	.000000
0.25000	1520.364	.000000	.000000	.000000	.000000	.000000
0.50000	1520.364	.000000	.000000	.000000	.000000	.000000
0.75000	1520.364	.000000	.000000	.000000	.000000	.000000
1.00000	1520.364	.000000	.000000	.000000	.000000	.000000

ELEM 148 ========== LENGTH = 48.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	3856.849	111.270651	.000000	.000000	.000000	3850.289
0.50000	3856.849	111.270651	.000000	.000000	.000000	1235.795
1.00000	3856.849	111.270651	.000000	.000000	.000000	1578.844

ELEM 150 ========== LENGTH = 48.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	3360.939	53.150543	.000000	.000000	.000000	1474.063
0.50000	3360.939	53.150543	.000000	.000000	.000000	317.730288
1.00000	3360.939	53.150543	.000000	.000000	.000000	1132.882

ELEM 152 ========== LENGTH = 48.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	2931.800	52.916601	.000000	.000000	.000000	1895.665
0.50000	2931.800	52.916601	.000000	.000000	.000000	640.092098
1.00000	2931.800	52.916601	.000000	.000000	.000000	672.071685

ELEM 153 ========== LENGTH = 48.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	2924.240	12.862824	.000000	.000000	.000000	672.071685
0.50000	2924.240	12.862824	.000000	.000000	.000000	918.546663
1.00000	2924.240	12.862824	.000000	.000000	.000000	1194.310

ELEM 155 ========== LENGTH = 63.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	2615.664	28.071363	.000000	.000000	.000000	944.286951
0.50000	2615.664	28.071363	.000000	.000000	.000000	60.039029
1.00000	2615.664	28.071363	.000000	.000000	.000000	824.208945

ELEM 156 ========== LENGTH = 21.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	255.599851	39.248045	.000000	.000000	.000000	824.208945
0.50000	255.599851	39.248045	.000000	.000000	.000000	412.104473
1.00000	255.599851	39.248045	.000000	.000000	.000000	1.88E-11

ELEM 157 ========== LENGTH = 103.966341

```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    8971.438     .000000     .000000     .000000     .000000     .000000
0.50000    8971.438     .000000     .000000     .000000     .000000     .000000
1.00000    8971.438     .000000     .000000     .000000     .000000     .000000

ELEM     158 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   51.331204     .000000     .000000     .000000     .000000     .000000
0.25000   51.331204     .000000     .000000     .000000     .000000     .000000
0.50000   51.331204     .000000     .000000     .000000     .000000     .000000
0.75000   51.331204     .000000     .000000     .000000     .000000     .000000
1.00000   51.331204     .000000     .000000     .000000     .000000     .000000

ELEM     159 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   54.908757     .000000     .000000     .000000     .000000     .000000
0.25000   54.908757     .000000     .000000     .000000     .000000     .000000
0.50000   54.908757     .000000     .000000     .000000     .000000     .000000
0.75000   54.908757     .000000     .000000     .000000     .000000     .000000
1.00000   54.908757     .000000     .000000     .000000     .000000     .000000

ELEM     160 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  226.362630     .000000     .000000     .000000     .000000     .000000
0.25000  226.362630     .000000     .000000     .000000     .000000     .000000
0.50000  226.362630     .000000     .000000     .000000     .000000     .000000
0.75000  226.362630     .000000     .000000     .000000     .000000     .000000
1.00000  226.362630     .000000     .000000     .000000     .000000     .000000

ELEM     161 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  290.834745     .000000     .000000     .000000     .000000     .000000
0.25000  290.834745     .000000     .000000     .000000     .000000     .000000
0.50000  290.834745     .000000     .000000     .000000     .000000     .000000
0.75000  290.834745     .000000     .000000     .000000     .000000     .000000
1.00000  290.834745     .000000     .000000     .000000     .000000     .000000

ELEM     162 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   86.882769     .000000     .000000     .000000     .000000     .000000
0.25000   86.882769     .000000     .000000     .000000     .000000     .000000
0.50000   86.882769     .000000     .000000     .000000     .000000     .000000
0.75000   86.882769     .000000     .000000     .000000     .000000     .000000
1.00000   86.882769     .000000     .000000     .000000     .000000     .000000
```

ELEM 163 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	126.435970	.000000	.000000	.000000	.000000	.000000
0.25000	126.435970	.000000	.000000	.000000	.000000	.000000
0.50000	126.435970	.000000	.000000	.000000	.000000	.000000
0.75000	126.435970	.000000	.000000	.000000	.000000	.000000
1.00000	126.435970	.000000	.000000	.000000	.000000	.000000

ELEM 164 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	485.664799	.000000	.000000	.000000	.000000	.000000
0.25000	485.664799	.000000	.000000	.000000	.000000	.000000
0.50000	485.664799	.000000	.000000	.000000	.000000	.000000
0.75000	485.664799	.000000	.000000	.000000	.000000	.000000
1.00000	485.664799	.000000	.000000	.000000	.000000	.000000

ELEM 165 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	139.787629	.000000	.000000	.000000	.000000	.000000
0.25000	139.787629	.000000	.000000	.000000	.000000	.000000
0.50000	139.787629	.000000	.000000	.000000	.000000	.000000
0.75000	139.787629	.000000	.000000	.000000	.000000	.000000
1.00000	139.787629	.000000	.000000	.000000	.000000	.000000

ELEM 166 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	139.787629	.000000	.000000	.000000	.000000	.000000
0.25000	139.787629	.000000	.000000	.000000	.000000	.000000
0.50000	139.787629	.000000	.000000	.000000	.000000	.000000
0.75000	139.787629	.000000	.000000	.000000	.000000	.000000
1.00000	139.787629	.000000	.000000	.000000	.000000	.000000

ELEM 167 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	573.561385	.000000	.000000	.000000	.000000	.000000
0.25000	573.561385	.000000	.000000	.000000	.000000	.000000
0.50000	573.561385	.000000	.000000	.000000	.000000	.000000
0.75000	573.561385	.000000	.000000	.000000	.000000	.000000
1.00000	573.561385	.000000	.000000	.000000	.000000	.000000

ELEM 170 ========== LENGTH = 48.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	0.206192	107.579781	.000000	.000000	.000000	3775.675
0.50000	0.206192	107.579781	.000000	.000000	.000000	1244.664
1.00000	0.206192	107.579781	.000000	.000000	.000000	1474.864

```
ELEM     172 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    0.171035   50.843404     .000000     .000000     .000000    1396.058
0.50000    0.171035   50.843404     .000000     .000000     .000000  307.322968
1.00000    0.171035   50.843404     .000000     .000000     .000000    1103.583

ELEM     174 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    0.352641   54.640509     .000000     .000000     .000000    1919.555
0.50000    0.352641   54.640509     .000000     .000000     .000000  622.031395
1.00000    0.352641   54.640509     .000000     .000000     .000000  727.013666

ELEM     175 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    0.293332   10.388040     .000000     .000000     .000000  727.013666
0.50000    0.293332   10.388040     .000000     .000000     .000000  921.027137
1.00000    0.293332   10.388040     .000000     .000000     .000000    1136.814

ELEM     177 ================== LENGTH =   84.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    0.289579    4.088193     .000000     .000000     .000000  343.408224
0.50000    0.289579    4.088193     .000000     .000000     .000000  171.704112
1.00000    0.289579    4.088193     .000000     .000000     .000000    2.47E-12

ELEM     178 ================== LENGTH =  103.966341

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    9164.409     .000000     .000000     .000000     .000000     .000000
0.50000    9164.409     .000000     .000000     .000000     .000000     .000000
1.00000    9164.409     .000000     .000000     .000000     .000000     .000000

ELEM     179 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  135.538635     .000000     .000000     .000000     .000000     .000000
0.25000  135.538635     .000000     .000000     .000000     .000000     .000000
0.50000  135.538635     .000000     .000000     .000000     .000000     .000000
0.75000  135.538635     .000000     .000000     .000000     .000000     .000000
1.00000  135.538635     .000000     .000000     .000000     .000000     .000000

ELEM     180 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  255.592890     .000000     .000000     .000000     .000000     .000000
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```
0.25000  255.592890     .000000     .000000     .000000     .000000     .000000
0.50000  255.592890     .000000     .000000     .000000     .000000     .000000
0.75000  255.592890     .000000     .000000     .000000     .000000     .000000
1.00000  255.592890     .000000     .000000     .000000     .000000     .000000

ELEM     181 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   97.525541     .000000     .000000     .000000     .000000     .000000
0.25000   97.525541     .000000     .000000     .000000     .000000     .000000
0.50000   97.525541     .000000     .000000     .000000     .000000     .000000
0.75000   97.525541     .000000     .000000     .000000     .000000     .000000
1.00000   97.525541     .000000     .000000     .000000     .000000     .000000

ELEM     182 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  172.757883     .000000     .000000     .000000     .000000     .000000
0.25000  172.757883     .000000     .000000     .000000     .000000     .000000
0.50000  172.757883     .000000     .000000     .000000     .000000     .000000
0.75000  172.757883     .000000     .000000     .000000     .000000     .000000
1.00000  172.757883     .000000     .000000     .000000     .000000     .000000

ELEM     183 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   66.606682     .000000     .000000     .000000     .000000     .000000
0.25000   66.606682     .000000     .000000     .000000     .000000     .000000
0.50000   66.606682     .000000     .000000     .000000     .000000     .000000
0.75000   66.606682     .000000     .000000     .000000     .000000     .000000
1.00000   66.606682     .000000     .000000     .000000     .000000     .000000

ELEM     184 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  171.179991     .000000     .000000     .000000     .000000     .000000
0.25000  171.179991     .000000     .000000     .000000     .000000     .000000
0.50000  171.179991     .000000     .000000     .000000     .000000     .000000
0.75000  171.179991     .000000     .000000     .000000     .000000     .000000
1.00000  171.179991     .000000     .000000     .000000     .000000     .000000

ELEM     185 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  439.616903     .000000     .000000     .000000     .000000     .000000
0.25000  439.616903     .000000     .000000     .000000     .000000     .000000
0.50000  439.616903     .000000     .000000     .000000     .000000     .000000
0.75000  439.616903     .000000     .000000     .000000     .000000     .000000
1.00000  439.616903     .000000     .000000     .000000     .000000     .000000

ELEM     186 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	648.219033	.000000	.000000	.000000	.000000	.000000
0.25000	648.219033	.000000	.000000	.000000	.000000	.000000
0.50000	648.219033	.000000	.000000	.000000	.000000	.000000
0.75000	648.219033	.000000	.000000	.000000	.000000	.000000
1.00000	648.219033	.000000	.000000	.000000	.000000	.000000

ELEM 187 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	648.219033	.000000	.000000	.000000	.000000	.000000
0.25000	648.219033	.000000	.000000	.000000	.000000	.000000
0.50000	648.219033	.000000	.000000	.000000	.000000	.000000
0.75000	648.219033	.000000	.000000	.000000	.000000	.000000
1.00000	648.219033	.000000	.000000	.000000	.000000	.000000

ELEM 188 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	438.864468	.000000	.000000	.000000	.000000	.000000
0.25000	438.864468	.000000	.000000	.000000	.000000	.000000
0.50000	438.864468	.000000	.000000	.000000	.000000	.000000
0.75000	438.864468	.000000	.000000	.000000	.000000	.000000
1.00000	438.864468	.000000	.000000	.000000	.000000	.000000

ELEM 191 ========== LENGTH = 48.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	3416.146	113.840583	.000000	.000000	.000000	4065.717
0.50000	3416.146	113.840583	.000000	.000000	.000000	1373.498
1.00000	3416.146	113.840583	.000000	.000000	.000000	1473.935

ELEM 193 ========== LENGTH = 48.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	3285.205	50.963820	.000000	.000000	.000000	1383.650
0.50000	3285.205	50.963820	.000000	.000000	.000000	298.832272
1.00000	3285.205	50.963820	.000000	.000000	.000000	1120.811

ELEM 195 ========== LENGTH = 48.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	2933.409	59.390405	.000000	.000000	.000000	1999.742
0.50000	2933.409	59.390405	.000000	.000000	.000000	587.864580
1.00000	2933.409	59.390405	.000000	.000000	.000000	869.229774

ELEM 196 ========== LENGTH = 48.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	2926.140	5.220185	.000000	.000000	.000000	869.229774

```
0.50000    2926.140    5.220185     .000000     .000000     .000000  916.466731
1.00000    2926.140    5.220185     .000000     .000000     .000000  977.575838

ELEM     198 ================== LENGTH =   63.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2625.795   30.014412     .000000     .000000     .000000    1009.708
0.50000    2625.795   30.014412     .000000     .000000     .000000   64.254033
1.00000    2625.795   30.014412     .000000     .000000     .000000  881.199962

ELEM     199 ================== LENGTH =   21.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  240.988958   41.961903     .000000     .000000     .000000  881.199962
0.50000  240.988958   41.961903     .000000     .000000     .000000  440.599981
1.00000  240.988958   41.961903     .000000     .000000     .000000    6.25E-12

ELEM     200 ================== LENGTH =  103.966341

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    8469.323     .000000     .000000     .000000     .000000     .000000
0.50000    8469.323     .000000     .000000     .000000     .000000     .000000
1.00000    8469.323     .000000     .000000     .000000     .000000     .000000

ELEM     201 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  495.182062     .000000     .000000     .000000     .000000     .000000
0.25000  495.182062     .000000     .000000     .000000     .000000     .000000
0.50000  495.182062     .000000     .000000     .000000     .000000     .000000
0.75000  495.182062     .000000     .000000     .000000     .000000     .000000
1.00000  495.182062     .000000     .000000     .000000     .000000     .000000

ELEM     202 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1177.016     .000000     .000000     .000000     .000000     .000000
0.50000    1177.016     .000000     .000000     .000000     .000000     .000000
1.00000    1177.016     .000000     .000000     .000000     .000000     .000000

ELEM     203 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   10236.761     .000000     .000000     .000000     .000000     .000000
0.50000   10236.761     .000000     .000000     .000000     .000000     .000000
1.00000   10236.761     .000000     .000000     .000000     .000000     .000000

ELEM     204 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------
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```
REL DIST          P          V2          V3           T          M2          M3
0.00000  495.461647     .000000     .000000     .000000     .000000     .000000
0.25000  495.461647     .000000     .000000     .000000     .000000     .000000
0.50000  495.461647     .000000     .000000     .000000     .000000     .000000
0.75000  495.461647     .000000     .000000     .000000     .000000     .000000
1.00000  495.461647     .000000     .000000     .000000     .000000     .000000

ELEM     205 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  106.216386     .000000     .000000     .000000     .000000     .000000
0.25000  106.216386     .000000     .000000     .000000     .000000     .000000
0.50000  106.216386     .000000     .000000     .000000     .000000     .000000
0.75000  106.216386     .000000     .000000     .000000     .000000     .000000
1.00000  106.216386     .000000     .000000     .000000     .000000     .000000

ELEM     206 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  369.348149     .000000     .000000     .000000     .000000     .000000
0.50000  369.348149     .000000     .000000     .000000     .000000     .000000
1.00000  369.348149     .000000     .000000     .000000     .000000     .000000

ELEM     207 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  235.923074     .000000     .000000     .000000     .000000     .000000
0.25000  235.923074     .000000     .000000     .000000     .000000     .000000
0.50000  235.923074     .000000     .000000     .000000     .000000     .000000
0.75000  235.923074     .000000     .000000     .000000     .000000     .000000
1.00000  235.923074     .000000     .000000     .000000     .000000     .000000

ELEM     208 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  150.111613     .000000     .000000     .000000     .000000     .000000
0.25000  150.111613     .000000     .000000     .000000     .000000     .000000
0.50000  150.111613     .000000     .000000     .000000     .000000     .000000
0.75000  150.111613     .000000     .000000     .000000     .000000     .000000
1.00000  150.111613     .000000     .000000     .000000     .000000     .000000

ELEM     209 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  691.495681     .000000     .000000     .000000     .000000     .000000
0.50000  691.495681     .000000     .000000     .000000     .000000     .000000
1.00000  691.495681     .000000     .000000     .000000     .000000     .000000

ELEM     210 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
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```
0.00000  254.684474     .000000     .000000     .000000     .000000     .000000
0.25000  254.684474     .000000     .000000     .000000     .000000     .000000
0.50000  254.684474     .000000     .000000     .000000     .000000     .000000
0.75000  254.684474     .000000     .000000     .000000     .000000     .000000
1.00000  254.684474     .000000     .000000     .000000     .000000     .000000

ELEM     211 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  460.133731     .000000     .000000     .000000     .000000     .000000
0.25000  460.133731     .000000     .000000     .000000     .000000     .000000
0.50000  460.133731     .000000     .000000     .000000     .000000     .000000
0.75000  460.133731     .000000     .000000     .000000     .000000     .000000
1.00000  460.133731     .000000     .000000     .000000     .000000     .000000

ELEM     212 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1383.967     .000000     .000000     .000000     .000000     .000000
0.25000    1383.967     .000000     .000000     .000000     .000000     .000000
0.50000    1383.967     .000000     .000000     .000000     .000000     .000000
0.75000    1383.967     .000000     .000000     .000000     .000000     .000000
1.00000    1383.967     .000000     .000000     .000000     .000000     .000000

ELEM     213 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1383.967     .000000     .000000     .000000     .000000     .000000
0.25000    1383.967     .000000     .000000     .000000     .000000     .000000
0.50000    1383.967     .000000     .000000     .000000     .000000     .000000
0.75000    1383.967     .000000     .000000     .000000     .000000     .000000
1.00000    1383.967     .000000     .000000     .000000     .000000     .000000

ELEM     214 ================== LENGTH =   95.671312

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3742.300     .000000     .000000     .000000     .000000     .000000
0.50000    3742.300     .000000     .000000     .000000     .000000     .000000
1.00000    3742.300     .000000     .000000     .000000     .000000     .000000

ELEM     215 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1679.037     .000000     .000000     .000000     .000000     .000000
0.25000    1679.037     .000000     .000000     .000000     .000000     .000000
0.50000    1679.037     .000000     .000000     .000000     .000000     .000000
0.75000    1679.037     .000000     .000000     .000000     .000000     .000000
1.00000    1679.037     .000000     .000000     .000000     .000000     .000000

ELEM     218 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	2889.280	107.728443	.000000	.000000	.000000	3860.382
0.50000	2889.280	107.728443	.000000	.000000	.000000	1319.966
1.00000	2889.280	107.728443	.000000	.000000	.000000	1396.964

ELEM 220 ========== LENGTH = 48.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	2198.734	49.980799	.000000	.000000	.000000	1340.526
0.50000	2198.734	49.980799	.000000	.000000	.000000	294.241949
1.00000	2198.734	49.980799	.000000	.000000	.000000	1119.792

ELEM 222 ========== LENGTH = 48.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	2484.583	64.396514	.000000	.000000	.000000	2051.105
0.50000	2484.583	64.396514	.000000	.000000	.000000	520.417474
1.00000	2484.583	64.396514	.000000	.000000	.000000	1054.456

ELEM 223 ========== LENGTH = 48.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	2478.674	7.781663	.000000	.000000	.000000	1054.456
0.50000	2478.674	7.781663	.000000	.000000	.000000	889.253932
1.00000	2478.674	7.781663	.000000	.000000	.000000	734.455942

ELEM 225 ========== LENGTH = 84.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	249.649147	5.405247	.000000	.000000	.000000	454.040715
0.50000	249.649147	5.405247	.000000	.000000	.000000	227.020357
1.00000	249.649147	5.405247	.000000	.000000	.000000	2.61E-13

ELEM 226 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	205.356549	.000000	.000000	.000000	.000000	.000000
0.25000	205.356549	.000000	.000000	.000000	.000000	.000000
0.50000	205.356549	.000000	.000000	.000000	.000000	.000000
0.75000	205.356549	.000000	.000000	.000000	.000000	.000000
1.00000	205.356549	.000000	.000000	.000000	.000000	.000000

ELEM 227 ========== LENGTH = 120.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	8868.321	.000000	.000000	.000000	.000000	.000000
0.50000	8868.321	.000000	.000000	.000000	.000000	.000000
1.00000	8868.321	.000000	.000000	.000000	.000000	.000000

ELEM 228 ========== LENGTH = 72.000000

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SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  272.768757     .000000     .000000     .000000     .000000     .000000
0.25000  272.768757     .000000     .000000     .000000     .000000     .000000
0.50000  272.768757     .000000     .000000     .000000     .000000     .000000
0.75000  272.768757     .000000     .000000     .000000     .000000     .000000
1.00000  272.768757     .000000     .000000     .000000     .000000     .000000

ELEM     229 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  533.617155     .000000     .000000     .000000     .000000     .000000
0.25000  533.617155     .000000     .000000     .000000     .000000     .000000
0.50000  533.617155     .000000     .000000     .000000     .000000     .000000
0.75000  533.617155     .000000     .000000     .000000     .000000     .000000
1.00000  533.617155     .000000     .000000     .000000     .000000     .000000

ELEM     230 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   11081.449     .000000     .000000     .000000     .000000     .000000
0.50000   11081.449     .000000     .000000     .000000     .000000     .000000
1.00000   11081.449     .000000     .000000     .000000     .000000     .000000

ELEM     231 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  108.183723     .000000     .000000     .000000     .000000     .000000
0.25000  108.183723     .000000     .000000     .000000     .000000     .000000
0.50000  108.183723     .000000     .000000     .000000     .000000     .000000
0.75000  108.183723     .000000     .000000     .000000     .000000     .000000
1.00000  108.183723     .000000     .000000     .000000     .000000     .000000

ELEM     232 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  587.235743     .000000     .000000     .000000     .000000     .000000
0.25000  587.235743     .000000     .000000     .000000     .000000     .000000
0.50000  587.235743     .000000     .000000     .000000     .000000     .000000
0.75000  587.235743     .000000     .000000     .000000     .000000     .000000
1.00000  587.235743     .000000     .000000     .000000     .000000     .000000

ELEM     233 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  113.002063     .000000     .000000     .000000     .000000     .000000
0.25000  113.002063     .000000     .000000     .000000     .000000     .000000
0.50000  113.002063     .000000     .000000     .000000     .000000     .000000
0.75000  113.002063     .000000     .000000     .000000     .000000     .000000
1.00000  113.002063     .000000     .000000     .000000     .000000     .000000

ELEM     234 ================== LENGTH =   72.000000
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SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  494.439522     .000000     .000000     .000000     .000000     .000000
0.25000  494.439522     .000000     .000000     .000000     .000000     .000000
0.50000  494.439522     .000000     .000000     .000000     .000000     .000000
0.75000  494.439522     .000000     .000000     .000000     .000000     .000000
1.00000  494.439522     .000000     .000000     .000000     .000000     .000000

ELEM     235 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    8345.745     .000000     .000000     .000000     .000000     .000000
0.50000    8345.745     .000000     .000000     .000000     .000000     .000000
1.00000    8345.745     .000000     .000000     .000000     .000000     .000000

ELEM     236 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  150.394083     .000000     .000000     .000000     .000000     .000000
0.25000  150.394083     .000000     .000000     .000000     .000000     .000000
0.50000  150.394083     .000000     .000000     .000000     .000000     .000000
0.75000  150.394083     .000000     .000000     .000000     .000000     .000000
1.00000  150.394083     .000000     .000000     .000000     .000000     .000000

ELEM     237 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  150.394083     .000000     .000000     .000000     .000000     .000000
0.25000  150.394083     .000000     .000000     .000000     .000000     .000000
0.50000  150.394083     .000000     .000000     .000000     .000000     .000000
0.75000  150.394083     .000000     .000000     .000000     .000000     .000000
1.00000  150.394083     .000000     .000000     .000000     .000000     .000000

ELEM     238 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  846.402986     .000000     .000000     .000000     .000000     .000000
0.25000  846.402986     .000000     .000000     .000000     .000000     .000000
0.50000  846.402986     .000000     .000000     .000000     .000000     .000000
0.75000  846.402986     .000000     .000000     .000000     .000000     .000000
1.00000  846.402986     .000000     .000000     .000000     .000000     .000000

ELEM     241 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1049.536   93.405303     .000000     .000000     .000000    3387.850
0.50000    1049.536   93.405303     .000000     .000000     .000000    1194.922
1.00000    1049.536   93.405303     .000000     .000000     .000000    1195.337

ELEM     243 ================== LENGTH =   48.000000
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SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1773.620   45.835528     .000000     .000000     .000000    1201.462
0.50000    1773.620   45.835528     .000000     .000000     .000000  286.050596
1.00000    1773.620   45.835528     .000000     .000000     .000000    1067.881

ELEM     245 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3499.473   65.902932     .000000     .000000     .000000    2045.426
0.50000    3499.473   65.902932     .000000     .000000     .000000  477.837816
1.00000    3499.473   65.902932     .000000     .000000     .000000    1129.713

ELEM     246 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  594.757836   10.751987     .000000     .000000     .000000    1129.713
0.50000  594.757836   10.751987     .000000     .000000     .000000  887.696635
1.00000  594.757836   10.751987     .000000     .000000     .000000  657.979353

ELEM     248 ================== LENGTH =   84.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  229.934927    5.740492     .000000     .000000     .000000  482.201318
0.50000  229.934927    5.740492     .000000     .000000     .000000  241.100659
1.00000  229.934927    5.740492     .000000     .000000     .000000    1.56E-12

ELEM     249 ================== LENGTH =   60.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    8791.788   14.670907    7.22E-16     .000000     .000000     .000000
0.50000    8791.788   14.670907    7.22E-16     .000000    2.17E-14  440.127214
1.00000    8791.788   14.670907    7.22E-16     .000000    4.33E-14  880.254428

ELEM     250 ================== LENGTH =   60.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    9908.289   19.032329    9.37E-16     .000000     .000000     .000000
0.50000    9908.289   19.032329    9.37E-16     .000000    2.81E-14  570.969884
1.00000    9908.289   19.032329    9.37E-16     .000000    5.62E-14    1141.940

ELEM     251 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  262.783600     .000000     .000000     .000000     .000000     .000000
0.25000  262.783600     .000000     .000000     .000000     .000000     .000000
0.50000  262.783600     .000000     .000000     .000000     .000000     .000000
0.75000  262.783600     .000000     .000000     .000000     .000000     .000000
1.00000  262.783600     .000000     .000000     .000000     .000000     .000000
```

ELEM 252 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	76.224057	.000000	.000000	.000000	.000000	.000000
0.25000	76.224057	.000000	.000000	.000000	.000000	.000000
0.50000	76.224057	.000000	.000000	.000000	.000000	.000000
0.75000	76.224057	.000000	.000000	.000000	.000000	.000000
1.00000	76.224057	.000000	.000000	.000000	.000000	.000000

ELEM 253 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	313.268853	.000000	.000000	.000000	.000000	.000000
0.25000	313.268853	.000000	.000000	.000000	.000000	.000000
0.50000	313.268853	.000000	.000000	.000000	.000000	.000000
0.75000	313.268853	.000000	.000000	.000000	.000000	.000000
1.00000	313.268853	.000000	.000000	.000000	.000000	.000000

ELEM 254 ========== LENGTH = 120.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	7719.798	.000000	.000000	.000000	.000000	.000000
0.50000	7719.798	.000000	.000000	.000000	.000000	.000000
1.00000	7719.798	.000000	.000000	.000000	.000000	.000000

ELEM 255 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	58.525306	.000000	.000000	.000000	.000000	.000000
0.25000	58.525306	.000000	.000000	.000000	.000000	.000000
0.50000	58.525306	.000000	.000000	.000000	.000000	.000000
0.75000	58.525306	.000000	.000000	.000000	.000000	.000000
1.00000	58.525306	.000000	.000000	.000000	.000000	.000000

ELEM 256 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1077.984	.000000	.000000	.000000	.000000	.000000
0.25000	1077.984	.000000	.000000	.000000	.000000	.000000
0.50000	1077.984	.000000	.000000	.000000	.000000	.000000
0.75000	1077.984	.000000	.000000	.000000	.000000	.000000
1.00000	1077.984	.000000	.000000	.000000	.000000	.000000

ELEM 257 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	202.513277	.000000	.000000	.000000	.000000	.000000
0.25000	202.513277	.000000	.000000	.000000	.000000	.000000
0.50000	202.513277	.000000	.000000	.000000	.000000	.000000
0.75000	202.513277	.000000	.000000	.000000	.000000	.000000
1.00000	202.513277	.000000	.000000	.000000	.000000	.000000

ELEM 258 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	518.154229	.000000	.000000	.000000	.000000	.000000
0.25000	518.154229	.000000	.000000	.000000	.000000	.000000
0.50000	518.154229	.000000	.000000	.000000	.000000	.000000
0.75000	518.154229	.000000	.000000	.000000	.000000	.000000
1.00000	518.154229	.000000	.000000	.000000	.000000	.000000

ELEM 259 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	769.983828	.000000	.000000	.000000	.000000	.000000
0.25000	769.983828	.000000	.000000	.000000	.000000	.000000
0.50000	769.983828	.000000	.000000	.000000	.000000	.000000
0.75000	769.983828	.000000	.000000	.000000	.000000	.000000
1.00000	769.983828	.000000	.000000	.000000	.000000	.000000

ELEM 260 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	769.983828	.000000	.000000	.000000	.000000	.000000
0.25000	769.983828	.000000	.000000	.000000	.000000	.000000
0.50000	769.983828	.000000	.000000	.000000	.000000	.000000
0.75000	769.983828	.000000	.000000	.000000	.000000	.000000
1.00000	769.983828	.000000	.000000	.000000	.000000	.000000

ELEM 261 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	238.020913	.000000	.000000	.000000	.000000	.000000
0.25000	238.020913	.000000	.000000	.000000	.000000	.000000
0.50000	238.020913	.000000	.000000	.000000	.000000	.000000
0.75000	238.020913	.000000	.000000	.000000	.000000	.000000
1.00000	238.020913	.000000	.000000	.000000	.000000	.000000

ELEM 262 ========== LENGTH = 60.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	9958.814	22.462602	1.11E-15	.000000	6.64E-14	1347.756
0.50000	9958.814	22.462602	1.11E-15	.000000	3.32E-14	673.878047
1.00000	9958.814	22.462602	1.11E-15	.000000	1.45E-29	9.83E-14

ELEM 263 ========== LENGTH = 60.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	8735.115	18.111085	8.92E-16	.000000	5.35E-14	1086.665
0.50000	8735.115	18.111085	8.92E-16	.000000	2.68E-14	543.332560
1.00000	8735.115	18.111085	8.92E-16	.000000	9.40E-29	1.04E-12

```
ELEM     266 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2060.005  101.010103     .000000     .000000     .000000    3625.775
0.50000    2060.005  101.010103     .000000     .000000     .000000    1251.562
1.00000    2060.005  101.010103     .000000     .000000     .000000    1319.269

ELEM     268 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2054.323   53.025182     .000000     .000000     .000000    1356.765
0.50000    2054.323   53.025182     .000000     .000000     .000000  286.329179
1.00000    2054.323   53.025182     .000000     .000000     .000000    1249.881

ELEM     270 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5021.013   68.999264     .000000     .000000     .000000    2154.627
0.50000    5021.013   68.999264     .000000     .000000     .000000  508.958791
1.00000    5021.013   68.999264     .000000     .000000     .000000    1166.284

ELEM     271 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  556.456637   12.169258     .000000     .000000     .000000    1166.284
0.50000  556.456637   12.169258     .000000     .000000     .000000  885.640343
1.00000  556.456637   12.169258     .000000     .000000     .000000  615.711413

ELEM     273 ================== LENGTH =   84.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  218.808027    5.995926     .000000     .000000     .000000  503.657802
0.50000  218.808027    5.995926     .000000     .000000     .000000  251.828901
1.00000  218.808027    5.995926     .000000     .000000     .000000    9.16E-13

ELEM     274 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  360.002991     .000000     .000000     .000000     .000000     .000000
0.25000  360.002991     .000000     .000000     .000000     .000000     .000000
0.50000  360.002991     .000000     .000000     .000000     .000000     .000000
0.75000  360.002991     .000000     .000000     .000000     .000000     .000000
1.00000  360.002991     .000000     .000000     .000000     .000000     .000000

ELEM     275 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  144.137650     .000000     .000000     .000000     .000000     .000000
0.25000  144.137650     .000000     .000000     .000000     .000000     .000000
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0.50000  144.137650     .000000     .000000     .000000     .000000     .000000
0.75000  144.137650     .000000     .000000     .000000     .000000     .000000
1.00000  144.137650     .000000     .000000     .000000     .000000     .000000

ELEM     276 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  419.582188     .000000     .000000     .000000     .000000     .000000
0.25000  419.582188     .000000     .000000     .000000     .000000     .000000
0.50000  419.582188     .000000     .000000     .000000     .000000     .000000
0.75000  419.582188     .000000     .000000     .000000     .000000     .000000
1.00000  419.582188     .000000     .000000     .000000     .000000     .000000

ELEM     277 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   11667.439     .000000     .000000     .000000     .000000     .000000
0.50000   11667.439     .000000     .000000     .000000     .000000     .000000
1.00000   11667.439     .000000     .000000     .000000     .000000     .000000

ELEM     278 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  171.671236     .000000     .000000     .000000     .000000     .000000
0.25000  171.671236     .000000     .000000     .000000     .000000     .000000
0.50000  171.671236     .000000     .000000     .000000     .000000     .000000
0.75000  171.671236     .000000     .000000     .000000     .000000     .000000
1.00000  171.671236     .000000     .000000     .000000     .000000     .000000

ELEM     279 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1039.524     .000000     .000000     .000000     .000000     .000000
0.25000    1039.524     .000000     .000000     .000000     .000000     .000000
0.50000    1039.524     .000000     .000000     .000000     .000000     .000000
0.75000    1039.524     .000000     .000000     .000000     .000000     .000000
1.00000    1039.524     .000000     .000000     .000000     .000000     .000000

ELEM     280 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    9699.783     .000000     .000000     .000000     .000000     .000000
0.50000    9699.783     .000000     .000000     .000000     .000000     .000000
1.00000    9699.783     .000000     .000000     .000000     .000000     .000000

ELEM     281 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  392.899891     .000000     .000000     .000000     .000000     .000000
0.25000  392.899891     .000000     .000000     .000000     .000000     .000000
0.50000  392.899891     .000000     .000000     .000000     .000000     .000000
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0.75000  392.899891     .000000     .000000     .000000     .000000     .000000
1.00000  392.899891     .000000     .000000     .000000     .000000     .000000

ELEM     282 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1446.460     .000000     .000000     .000000     .000000     .000000
0.25000    1446.460     .000000     .000000     .000000     .000000     .000000
0.50000    1446.460     .000000     .000000     .000000     .000000     .000000
0.75000    1446.460     .000000     .000000     .000000     .000000     .000000
1.00000    1446.460     .000000     .000000     .000000     .000000     .000000

ELEM     283 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4102.871     .000000     .000000     .000000     .000000     .000000
0.50000    4102.871     .000000     .000000     .000000     .000000     .000000
1.00000    4102.871     .000000     .000000     .000000     .000000     .000000

ELEM     284 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1480.750     .000000     .000000     .000000     .000000     .000000
0.25000    1480.750     .000000     .000000     .000000     .000000     .000000
0.50000    1480.750     .000000     .000000     .000000     .000000     .000000
0.75000    1480.750     .000000     .000000     .000000     .000000     .000000
1.00000    1480.750     .000000     .000000     .000000     .000000     .000000

ELEM     285 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1480.750     .000000     .000000     .000000     .000000     .000000
0.25000    1480.750     .000000     .000000     .000000     .000000     .000000
0.50000    1480.750     .000000     .000000     .000000     .000000     .000000
0.75000    1480.750     .000000     .000000     .000000     .000000     .000000
1.00000    1480.750     .000000     .000000     .000000     .000000     .000000

ELEM     286 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1092.857     .000000     .000000     .000000     .000000     .000000
0.25000    1092.857     .000000     .000000     .000000     .000000     .000000
0.50000    1092.857     .000000     .000000     .000000     .000000     .000000
0.75000    1092.857     .000000     .000000     .000000     .000000     .000000
1.00000    1092.857     .000000     .000000     .000000     .000000     .000000

ELEM     289 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4825.157  118.555152     .000000     .000000     .000000    4229.980
0.50000    4825.157  118.555152     .000000     .000000     .000000    1426.039
```

```
1.00000    4825.157  118.555152     .000000     .000000     .000000    1538.240

ELEM     291 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4881.909   62.400626     .000000     .000000     .000000    1571.267
0.50000    4881.909   62.400626     .000000     .000000     .000000  275.263207
1.00000    4881.909   62.400626     .000000     .000000     .000000    1472.536

ELEM     293 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5563.876   85.854546     .000000     .000000     .000000    2507.776
0.50000    5563.876   85.854546     .000000     .000000     .000000  465.084130
1.00000    5563.876   85.854546     .000000     .000000     .000000    1623.287

ELEM     294 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2779.383   30.714823     .000000     .000000     .000000    1623.287
0.50000    2779.383   30.714823     .000000     .000000     .000000  888.460740
1.00000    2779.383   30.714823     .000000     .000000     .000000  174.536822

ELEM     296 ================== LENGTH =   84.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  286.920805    6.171922     .000000     .000000     .000000  518.441413
0.50000  286.920805    6.171922     .000000     .000000     .000000  259.220706
1.00000  286.920805    6.171922     .000000     .000000     .000000    1.43E-12

ELEM     297 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  426.762019     .000000     .000000     .000000     .000000     .000000
0.25000  426.762019     .000000     .000000     .000000     .000000     .000000
0.50000  426.762019     .000000     .000000     .000000     .000000     .000000
0.75000  426.762019     .000000     .000000     .000000     .000000     .000000
1.00000  426.762019     .000000     .000000     .000000     .000000     .000000

ELEM     298 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1066.257     .000000     .000000     .000000     .000000     .000000
0.50000    1066.257     .000000     .000000     .000000     .000000     .000000
1.00000    1066.257     .000000     .000000     .000000     .000000     .000000

ELEM     299 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
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```
0.00000   11288.013     .000000     .000000     .000000     .000000     .000000
0.50000   11288.013     .000000     .000000     .000000     .000000     .000000
1.00000   11288.013     .000000     .000000     .000000     .000000     .000000

ELEM     300 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  396.699388     .000000     .000000     .000000     .000000     .000000
0.25000  396.699388     .000000     .000000     .000000     .000000     .000000
0.50000  396.699388     .000000     .000000     .000000     .000000     .000000
0.75000  396.699388     .000000     .000000     .000000     .000000     .000000
1.00000  396.699388     .000000     .000000     .000000     .000000     .000000

ELEM     301 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  320.899835     .000000     .000000     .000000     .000000     .000000
0.25000  320.899835     .000000     .000000     .000000     .000000     .000000
0.50000  320.899835     .000000     .000000     .000000     .000000     .000000
0.75000  320.899835     .000000     .000000     .000000     .000000     .000000
1.00000  320.899835     .000000     .000000     .000000     .000000     .000000

ELEM     302 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  781.429067     .000000     .000000     .000000     .000000     .000000
0.50000  781.429067     .000000     .000000     .000000     .000000     .000000
1.00000  781.429067     .000000     .000000     .000000     .000000     .000000

ELEM     303 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  323.590324     .000000     .000000     .000000     .000000     .000000
0.25000  323.590324     .000000     .000000     .000000     .000000     .000000
0.50000  323.590324     .000000     .000000     .000000     .000000     .000000
0.75000  323.590324     .000000     .000000     .000000     .000000     .000000
1.00000  323.590324     .000000     .000000     .000000     .000000     .000000

ELEM     304 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  246.102987     .000000     .000000     .000000     .000000     .000000
0.25000  246.102987     .000000     .000000     .000000     .000000     .000000
0.50000  246.102987     .000000     .000000     .000000     .000000     .000000
0.75000  246.102987     .000000     .000000     .000000     .000000     .000000
1.00000  246.102987     .000000     .000000     .000000     .000000     .000000

ELEM     305 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1369.017     .000000     .000000     .000000     .000000     .000000
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```
0.50000    1369.017     .000000     .000000     .000000     .000000     .000000
1.00000    1369.017     .000000     .000000     .000000     .000000     .000000

ELEM     306 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  624.195423     .000000     .000000     .000000     .000000     .000000
0.25000  624.195423     .000000     .000000     .000000     .000000     .000000
0.50000  624.195423     .000000     .000000     .000000     .000000     .000000
0.75000  624.195423     .000000     .000000     .000000     .000000     .000000
1.00000  624.195423     .000000     .000000     .000000     .000000     .000000

ELEM     307 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  115.883202     .000000     .000000     .000000     .000000     .000000
0.25000  115.883202     .000000     .000000     .000000     .000000     .000000
0.50000  115.883202     .000000     .000000     .000000     .000000     .000000
0.75000  115.883202     .000000     .000000     .000000     .000000     .000000
1.00000  115.883202     .000000     .000000     .000000     .000000     .000000

ELEM     308 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    8945.333     .000000     .000000     .000000     .000000     .000000
0.50000    8945.333     .000000     .000000     .000000     .000000     .000000
1.00000    8945.333     .000000     .000000     .000000     .000000     .000000

ELEM     309 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  537.060061     .000000     .000000     .000000     .000000     .000000
0.25000  537.060061     .000000     .000000     .000000     .000000     .000000
0.50000  537.060061     .000000     .000000     .000000     .000000     .000000
0.75000  537.060061     .000000     .000000     .000000     .000000     .000000
1.00000  537.060061     .000000     .000000     .000000     .000000     .000000

ELEM     310 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  537.060061     .000000     .000000     .000000     .000000     .000000
0.25000  537.060061     .000000     .000000     .000000     .000000     .000000
0.50000  537.060061     .000000     .000000     .000000     .000000     .000000
0.75000  537.060061     .000000     .000000     .000000     .000000     .000000
1.00000  537.060061     .000000     .000000     .000000     .000000     .000000

ELEM     311 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1925.885     .000000     .000000     .000000     .000000     .000000
0.25000    1925.885     .000000     .000000     .000000     .000000     .000000
```

```
0.50000    1925.885     .000000     .000000     .000000     .000000     .000000
0.75000    1925.885     .000000     .000000     .000000     .000000     .000000
1.00000    1925.885     .000000     .000000     .000000     .000000     .000000

ELEM     314 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3409.138  120.022359     .000000     .000000     .000000    4273.954
0.50000    3409.138  120.022359     .000000     .000000     .000000    1432.520
1.00000    3409.138  120.022359     .000000     .000000     .000000    1559.656

ELEM     316 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2991.037   64.331855     .000000     .000000     .000000    1606.520
0.50000    2991.037   64.331855     .000000     .000000     .000000  267.822889
1.00000    2991.037   64.331855     .000000     .000000     .000000    1526.501

ELEM     318 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2273.511   89.500801     .000000     .000000     .000000    2597.237
0.50000    2273.511   89.500801     .000000     .000000     .000000  470.712198
1.00000    2273.511   89.500801     .000000     .000000     .000000    1710.401

ELEM     319 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2266.866   34.021923     .000000     .000000     .000000    1710.401
0.50000    2266.866   34.021923     .000000     .000000     .000000  896.393515
1.00000    2266.866   34.021923     .000000     .000000     .000000  122.471866

ELEM     321 ================== LENGTH =   84.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  197.867174    5.632716     .000000     .000000     .000000  473.148149
0.50000  197.867174    5.632716     .000000     .000000     .000000  236.574075
1.00000  197.867174    5.632716     .000000     .000000     .000000    2.67E-12

ELEM     322 ================== LENGTH =  103.966341

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    9977.790     .000000     .000000     .000000     .000000     .000000
0.50000    9977.790     .000000     .000000     .000000     .000000     .000000
1.00000    9977.790     .000000     .000000     .000000     .000000     .000000

ELEM     323 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
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```
0.00000  138.632585     .000000     .000000     .000000     .000000     .000000
0.25000  138.632585     .000000     .000000     .000000     .000000     .000000
0.50000  138.632585     .000000     .000000     .000000     .000000     .000000
0.75000  138.632585     .000000     .000000     .000000     .000000     .000000
1.00000  138.632585     .000000     .000000     .000000     .000000     .000000

ELEM     324 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  239.145810     .000000     .000000     .000000     .000000     .000000
0.25000  239.145810     .000000     .000000     .000000     .000000     .000000
0.50000  239.145810     .000000     .000000     .000000     .000000     .000000
0.75000  239.145810     .000000     .000000     .000000     .000000     .000000
1.00000  239.145810     .000000     .000000     .000000     .000000     .000000

ELEM     325 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  153.015100     .000000     .000000     .000000     .000000     .000000
0.25000  153.015100     .000000     .000000     .000000     .000000     .000000
0.50000  153.015100     .000000     .000000     .000000     .000000     .000000
0.75000  153.015100     .000000     .000000     .000000     .000000     .000000
1.00000  153.015100     .000000     .000000     .000000     .000000     .000000

ELEM     326 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  170.856621     .000000     .000000     .000000     .000000     .000000
0.25000  170.856621     .000000     .000000     .000000     .000000     .000000
0.50000  170.856621     .000000     .000000     .000000     .000000     .000000
0.75000  170.856621     .000000     .000000     .000000     .000000     .000000
1.00000  170.856621     .000000     .000000     .000000     .000000     .000000

ELEM     327 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  124.558668     .000000     .000000     .000000     .000000     .000000
0.25000  124.558668     .000000     .000000     .000000     .000000     .000000
0.50000  124.558668     .000000     .000000     .000000     .000000     .000000
0.75000  124.558668     .000000     .000000     .000000     .000000     .000000
1.00000  124.558668     .000000     .000000     .000000     .000000     .000000

ELEM     328 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  276.458102     .000000     .000000     .000000     .000000     .000000
0.25000  276.458102     .000000     .000000     .000000     .000000     .000000
0.50000  276.458102     .000000     .000000     .000000     .000000     .000000
0.75000  276.458102     .000000     .000000     .000000     .000000     .000000
1.00000  276.458102     .000000     .000000     .000000     .000000     .000000

ELEM     329 ================== LENGTH =   72.000000
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SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   30.945705     .000000     .000000     .000000     .000000     .000000
0.25000   30.945705     .000000     .000000     .000000     .000000     .000000
0.50000   30.945705     .000000     .000000     .000000     .000000     .000000
0.75000   30.945705     .000000     .000000     .000000     .000000     .000000
1.00000   30.945705     .000000     .000000     .000000     .000000     .000000

ELEM     330 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  753.880004     .000000     .000000     .000000     .000000     .000000
0.25000  753.880004     .000000     .000000     .000000     .000000     .000000
0.50000  753.880004     .000000     .000000     .000000     .000000     .000000
0.75000  753.880004     .000000     .000000     .000000     .000000     .000000
1.00000  753.880004     .000000     .000000     .000000     .000000     .000000

ELEM     331 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  753.880004     .000000     .000000     .000000     .000000     .000000
0.25000  753.880004     .000000     .000000     .000000     .000000     .000000
0.50000  753.880004     .000000     .000000     .000000     .000000     .000000
0.75000  753.880004     .000000     .000000     .000000     .000000     .000000
1.00000  753.880004     .000000     .000000     .000000     .000000     .000000

ELEM     332 ================== LENGTH =   95.671312

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4689.049     .000000     .000000     .000000     .000000     .000000
0.50000    4689.049     .000000     .000000     .000000     .000000     .000000
1.00000    4689.049     .000000     .000000     .000000     .000000     .000000

ELEM     333 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2748.131     .000000     .000000     .000000     .000000     .000000
0.25000    2748.131     .000000     .000000     .000000     .000000     .000000
0.50000    2748.131     .000000     .000000     .000000     .000000     .000000
0.75000    2748.131     .000000     .000000     .000000     .000000     .000000
1.00000    2748.131     .000000     .000000     .000000     .000000     .000000

ELEM     336 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3611.918  109.355682     .000000     .000000     .000000    3883.406
0.50000    3611.918  109.355682     .000000     .000000     .000000    1304.488
1.00000    3611.918  109.355682     .000000     .000000     .000000    1448.766

ELEM     338 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    3596.023   61.391127     .000000     .000000     .000000    1532.201
0.50000    3596.023   61.391127     .000000     .000000     .000000  271.007054
1.00000    3596.023   61.391127     .000000     .000000     .000000    1463.212

ELEM     340 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3552.093   85.807117     .000000     .000000     .000000    2524.849
0.50000    3552.093   85.807117     .000000     .000000     .000000  487.881353
1.00000    3552.093   85.807117     .000000     .000000     .000000    1607.237

ELEM     341 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3533.620   29.610702     .000000     .000000     .000000    1607.237
0.50000    3533.620   29.610702     .000000     .000000     .000000  900.570678
1.00000    3533.620   29.610702     .000000     .000000     .000000  221.155025

ELEM     343 ================== LENGTH =   63.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3241.414   30.507569     .000000     .000000     .000000    1026.459
0.50000    3241.414   30.507569     .000000     .000000     .000000   65.470888
1.00000    3241.414   30.507569     .000000     .000000     .000000  895.517550

ELEM     344 ================== LENGTH =   21.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  238.649560   42.643693     .000000     .000000     .000000  895.517550
0.50000  238.649560   42.643693     .000000     .000000     .000000  447.758775
1.00000  238.649560   42.643693     .000000     .000000     .000000    1.56E-11

ELEM     346 ================== LENGTH =   18.250000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3240.542   17.001516     .000000     .000000     .000000    6.36E-12
0.50000    3240.542   17.001516     .000000     .000000     .000000  155.138837
1.00000    3240.542   17.001516     .000000     .000000     .000000  310.277675

ELEM     347 ================== LENGTH =   56.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3240.500   16.116924     .000000     .000000     .000000  310.277675
0.50000    3240.500   16.116924     .000000     .000000     .000000  754.874344
1.00000    3240.500   16.116924     .000000     .000000     .000000    1208.998

ELEM     348 ================== LENGTH =   18.250000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    6193.914   20.588065     .000000     .000000     .000000    4.24E-12
0.50000    6193.914   20.588065     .000000     .000000     .000000  187.866092
1.00000    6193.914   20.588065     .000000     .000000     .000000  375.732185

ELEM     349 ================== LENGTH =   56.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    6193.801   19.227643     .000000     .000000     .000000  375.732185
0.50000    6193.801   19.227643     .000000     .000000     .000000  895.380102
1.00000    6193.801   19.227643     .000000     .000000     .000000    1434.420

ELEM     350 ================== LENGTH =   18.250000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3325.603   22.484214     .000000     .000000     .000000    4.29E-12
0.50000    3325.603   22.484214     .000000     .000000     .000000  205.168448
1.00000    3325.603   22.484214     .000000     .000000     .000000  410.336897

ELEM     351 ================== LENGTH =   56.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3325.508   21.211187     .000000     .000000     .000000  410.336897
0.50000    3325.508   21.211187     .000000     .000000     .000000  991.877071
1.00000    3325.508   21.211187     .000000     .000000     .000000    1588.632

ELEM     352 ================== LENGTH =   18.250000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1958.203   20.219717     .000000     .000000     .000000    1.06E-11
0.50000    1958.203   20.219717     .000000     .000000     .000000  184.504913
1.00000    1958.203   20.219717     .000000     .000000     .000000  369.009827

ELEM     353 ================== LENGTH =   56.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1958.170   18.814564     .000000     .000000     .000000  369.009827
0.50000    1958.170   18.814564     .000000     .000000     .000000  879.961259
1.00000    1958.170   18.814564     .000000     .000000     .000000    1408.018

ELEM     354 ================== LENGTH =   18.250000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  911.638410   20.857286     .000000     .000000     .000000    2.11E-12
0.50000  911.638410   20.857286     .000000     .000000     .000000  190.322732
1.00000  911.638410   20.857286     .000000     .000000     .000000  380.645463

ELEM     355 ================== LENGTH =   56.750000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000  911.518163   19.473755     .000000     .000000     .000000  380.645463
0.50000  911.518163   19.473755     .000000     .000000     .000000  910.139671
1.00000  911.518163   19.473755     .000000     .000000     .000000    1456.873

ELEM     356 ================== LENGTH =   18.250000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3502.820   17.613840     .000000     .000000     .000000    6.31E-12
0.50000    3502.820   17.613840     .000000     .000000     .000000  160.726288
1.00000    3502.820   17.613840     .000000     .000000     .000000  321.452576

ELEM     357 ================== LENGTH =   56.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3502.733   15.981744     .000000     .000000     .000000  321.452576
0.50000    3502.733   15.981744     .000000     .000000     .000000  741.059962
1.00000    3502.733   15.981744     .000000     .000000     .000000    1185.875

ELEM     358 ================== LENGTH =   18.250000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5538.335   15.604369     .000000     .000000     .000000    4.17E-12
0.50000    5538.335   15.604369     .000000     .000000     .000000  142.389871
1.00000    5538.335   15.604369     .000000     .000000     .000000  284.779743

ELEM     359 ================== LENGTH =   56.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5538.232   13.638608     .000000     .000000     .000000  284.779743
0.50000    5538.232   13.638608     .000000     .000000     .000000  629.401770
1.00000    5538.232   13.638608     .000000     .000000     .000000    1005.348

ELEM     360 ================== LENGTH =   18.250000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    0.403509   15.708049     .000000     .000000     .000000    2.18E-12
0.50000    0.403509   15.708049     .000000     .000000     .000000  143.335948
1.00000    0.403509   15.708049     .000000     .000000     .000000  286.671896

ELEM     361 ================== LENGTH =   56.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    0.381570   13.708837     .000000     .000000     .000000  286.671896
0.50000    0.381570   13.708837     .000000     .000000     .000000  635.060032
1.00000    0.381570   13.708837     .000000     .000000     .000000    1013.432

ELEM     362 ================== LENGTH =   18.250000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    5632.310   18.093613     .000000     .000000     .000000   4.22E-12
0.50000    5632.310   18.093613     .000000     .000000     .000000  165.104222
1.00000    5632.310   18.093613     .000000     .000000     .000000  330.208444

ELEM     363 ================== LENGTH =   56.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5632.210   16.456884     .000000     .000000     .000000  330.208444
0.50000    5632.210   16.456884     .000000     .000000     .000000  762.628327
1.00000    5632.210   16.456884     .000000     .000000     .000000   1220.769

ELEM     364 ================== LENGTH =   18.250000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3125.368   18.630108     .000000     .000000     .000000   1.05E-11
0.50000    3125.368   18.630108     .000000     .000000     .000000  169.999733
1.00000    3125.368   18.630108     .000000     .000000     .000000  339.999466

ELEM     365 ================== LENGTH =   56.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3125.252   17.059679     .000000     .000000     .000000  339.999466
0.50000    3125.252   17.059679     .000000     .000000     .000000  793.674430
1.00000    3125.252   17.059679     .000000     .000000     .000000   1269.993

ELEM     366 ================== LENGTH =   18.250000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1054.440   17.268139     .000000     .000000     .000000   2.39E-12
0.50000    1054.440   17.268139     .000000     .000000     .000000  157.571771
1.00000    1054.440   17.268139     .000000     .000000     .000000  315.143542

ELEM     367 ================== LENGTH =   56.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1054.347   15.606087     .000000     .000000     .000000  315.143542
0.50000    1054.347   15.606087     .000000     .000000     .000000  727.977641
1.00000    1054.347   15.606087     .000000     .000000     .000000   1163.087

ELEM     368 ================== LENGTH =   18.250000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2062.014   19.098418     .000000     .000000     .000000   8.34E-12
0.50000    2062.014   19.098418     .000000     .000000     .000000  174.273061
1.00000    2062.014   19.098418     .000000     .000000     .000000  348.546123

ELEM     369 ================== LENGTH =   56.750000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    2061.979   17.584943     .000000     .000000     .000000  348.546123
0.50000    2061.979   17.584943     .000000     .000000     .000000  822.331524
1.00000    2061.979   17.584943     .000000     .000000     .000000    1314.885

ELEM     370 ================== LENGTH =   18.250000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4277.957   23.613245     .000000     .000000     .000000    8.41E-12
0.50000    4277.957   23.613245     .000000     .000000     .000000  215.470863
1.00000    4277.957   23.613245     .000000     .000000     .000000  430.941727

ELEM     371 ================== LENGTH =   56.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4277.860   22.340409     .000000     .000000     .000000  430.941727
0.50000    4277.860   22.340409     .000000     .000000     .000000    1045.310
1.00000    4277.860   22.340409     .000000     .000000     .000000    1674.311

ELEM     372 ================== LENGTH =   18.250000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5821.665   22.840617     .000000     .000000     .000000    2.19E-12
0.50000    5821.665   22.840617     .000000     .000000     .000000  208.420628
1.00000    5821.665   22.840617     .000000     .000000     .000000  416.841255

ELEM     373 ================== LENGTH =   56.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5821.558   21.505663     .000000     .000000     .000000  416.841255
0.50000    5821.558   21.505663     .000000     .000000     .000000    1003.811
1.00000    5821.558   21.505663     .000000     .000000     .000000    1608.186

ELEM     374 ================== LENGTH =   18.250000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3617.788   20.126287     .000000     .000000     .000000    4.21E-12
0.50000    3617.788   20.126287     .000000     .000000     .000000  183.652372
1.00000    3617.788   20.126287     .000000     .000000     .000000  367.304743

ELEM     375 ================== LENGTH =   56.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3617.719   18.587538     .000000     .000000     .000000  367.304743
0.50000    3617.719   18.587538     .000000     .000000     .000000  869.260231
1.00000    3617.719   18.587538     .000000     .000000     .000000    1390.202

ELEM     391 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    3239.678  114.218399     .000000     .000000     .000000    1208.998
0.50000    3239.678  114.218399     .000000     .000000     .000000  263.833549
1.00000    3239.678  114.218399     .000000     .000000     .000000    1560.366

ELEM     392 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3237.634  119.156153     .000000     .000000     .000000    1560.366
0.50000    3237.634  119.156153     .000000     .000000     .000000    2823.807
1.00000    3237.634  119.156153     .000000     .000000     .000000    4195.487

ELEM     393 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4518.308  125.084306     .000000     .000000     .000000    1434.420
0.50000    4518.308  125.084306     .000000     .000000     .000000  159.033621
1.00000    4518.308  125.084306     .000000     .000000     .000000    1580.852

ELEM     394 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4516.299  128.790345     .000000     .000000     .000000    1580.852
0.50000    4516.299  128.790345     .000000     .000000     .000000    3070.840
1.00000    4516.299  128.790345     .000000     .000000     .000000    4597.615

ELEM     395 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3818.404  126.059832     .000000     .000000     .000000    1588.632
0.50000    3818.404  126.059832     .000000     .000000     .000000  249.089729
1.00000    3818.404  126.059832     .000000     .000000     .000000    1475.456

ELEM     396 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3816.566  130.693328     .000000     .000000     .000000    1475.456
0.50000    3816.566  130.693328     .000000     .000000     .000000    2949.753
1.00000    3816.566  130.693328     .000000     .000000     .000000    4488.249

ELEM     397 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1957.691  113.052453     .000000     .000000     .000000    1408.018
0.50000    1957.691  113.052453     .000000     .000000     .000000  241.958113
1.00000    1957.691  113.052453     .000000     .000000     .000000    1347.390

ELEM     398 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    1956.970  117.451913     .000000     .000000     .000000    1347.390
0.50000    1956.970  117.451913     .000000     .000000     .000000    2653.798
1.00000    1956.970  117.451913     .000000     .000000     .000000    4030.233

ELEM     399 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  853.734195  112.750095     .000000     .000000     .000000    1456.873
0.50000  853.734195  112.750095     .000000     .000000     .000000  251.818670
1.00000  853.734195  112.750095     .000000     .000000     .000000    1290.569

ELEM     400 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  851.403889  117.075382     .000000     .000000     .000000    1290.569
0.50000  851.403889  117.075382     .000000     .000000     .000000    2602.697
1.00000  851.403889  117.075382     .000000     .000000     .000000    3978.694

ELEM     401 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2639.281  106.720835     .000000     .000000     .000000    1185.875
0.50000    2639.281  106.720835     .000000     .000000     .000000  170.271723
1.00000    2639.281  106.720835     .000000     .000000     .000000    1389.897

ELEM     402 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2637.096  109.797013     .000000     .000000     .000000    1389.897
0.50000    2637.096  109.797013     .000000     .000000     .000000    2661.453
1.00000    2637.096  109.797013     .000000     .000000     .000000    3963.180

ELEM     403 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3860.617  100.966511     .000000     .000000     .000000    1005.348
0.50000    3860.617  100.966511     .000000     .000000     .000000  216.011789
1.00000    3860.617  100.966511     .000000     .000000     .000000    1420.752

ELEM     404 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3858.567  103.162304     .000000     .000000     .000000    1420.752
0.50000    3858.567  103.162304     .000000     .000000     .000000    2624.713
1.00000    3858.567  103.162304     .000000     .000000     .000000    3850.289

ELEM     405 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    0.285536   99.621756     .000000     .000000     .000000    1013.432
0.50000    0.285536   99.621756     .000000     .000000     .000000  192.446380
1.00000    0.285536   99.621756     .000000     .000000     .000000    1380.319

ELEM     406 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    0.241619  101.995738     .000000     .000000     .000000    1380.319
0.50000    0.241619  101.995738     .000000     .000000     .000000    2565.629
1.00000    0.241619  101.995738     .000000     .000000     .000000    3775.675

ELEM     407 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4045.174  109.530213     .000000     .000000     .000000    1220.769
0.50000    4045.174  109.530213     .000000     .000000     .000000  117.333603
1.00000    4045.174  109.530213     .000000     .000000     .000000    1411.508

ELEM     408 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4043.236  112.520706     .000000     .000000     .000000    1411.508
0.50000    4043.236  112.520706     .000000     .000000     .000000    2727.276
1.00000    4043.236  112.520706     .000000     .000000     .000000    4065.717

ELEM     409 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2893.359  106.792666     .000000     .000000     .000000    1269.993
0.50000    2893.359  106.792666     .000000     .000000     .000000  148.725388
1.00000    2893.359  106.792666     .000000     .000000     .000000    1309.924

ELEM     410 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2891.215  109.708985     .000000     .000000     .000000    1309.924
0.50000    2891.215  109.708985     .000000     .000000     .000000    2564.378
1.00000    2891.215  109.708985     .000000     .000000     .000000    3860.382

ELEM     411 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1053.063   95.687320     .000000     .000000     .000000    1163.087
0.50000    1053.063   95.687320     .000000     .000000     .000000  197.930439
1.00000    1053.063   95.687320     .000000     .000000     .000000    1167.274

ELEM     412 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    1051.167   98.289721     .000000     .000000     .000000    1167.274
0.50000    1051.167   98.289721     .000000     .000000     .000000    2242.513
1.00000    1051.167   98.289721     .000000     .000000     .000000    3387.850

ELEM     413 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2061.463  103.665094     .000000     .000000     .000000    1314.885
0.50000    2061.463  103.665094     .000000     .000000     .000000  246.094370
1.00000    2061.463  103.665094     .000000     .000000     .000000    1219.501

ELEM     414 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2060.685  106.928005     .000000     .000000     .000000    1219.501
0.50000    2060.685  106.928005     .000000     .000000     .000000    2381.234
1.00000    2060.685  106.928005     .000000     .000000     .000000    3625.775

ELEM     415 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4828.974  122.959578     .000000     .000000     .000000    1674.311
0.50000    4828.974  122.959578     .000000     .000000     .000000  327.669400
1.00000    4828.974  122.959578     .000000     .000000     .000000    1328.798

ELEM     416 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4826.945  127.111719     .000000     .000000     .000000    1328.798
0.50000    4826.945  127.111719     .000000     .000000     .000000    2739.079
1.00000    4826.945  127.111719     .000000     .000000     .000000    4229.980

ELEM     417 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3981.835  122.358807     .000000     .000000     .000000    1608.186
0.50000    3981.835  122.358807     .000000     .000000     .000000  232.203094
1.00000    3981.835  122.358807     .000000     .000000     .000000    1354.038

ELEM     418 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3980.002  125.663785     .000000     .000000     .000000    1354.038
0.50000    3980.002  125.663785     .000000     .000000     .000000    2788.564
1.00000    3980.002  125.663785     .000000     .000000     .000000    4273.954

ELEM     419 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    3615.873  110.458490     .000000     .000000     .000000    1390.202
0.50000    3615.873  110.458490     .000000     .000000     .000000  212.944830
1.00000    3615.873  110.458490     .000000     .000000     .000000    1293.036

ELEM     420 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3614.326  113.245068     .000000     .000000     .000000    1293.036
0.50000    3614.326  113.245068     .000000     .000000     .000000    2555.322
1.00000    3614.326  113.245068     .000000     .000000     .000000    3883.406

ELEM     437 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3232.840   72.021536     .000000     .000000     .000000    1770.153
0.50000    3232.840   72.021536     .000000     .000000     .000000    1057.357
1.00000    3232.840   72.021536     .000000     .000000     .000000  772.300138

ELEM     438 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3227.042   89.771531     .000000     .000000     .000000  772.300138
0.50000    3227.042   89.771531     .000000     .000000     .000000  691.179818
1.00000    3227.042   89.771531     .000000     .000000     .000000    1637.065

ELEM     439 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3621.887   73.501420     .000000     .000000     .000000    1877.128
0.50000    3621.887   73.501420     .000000     .000000     .000000    1128.568
1.00000    3621.887   73.501420     .000000     .000000     .000000  761.333408

ELEM     440 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3614.480   92.141953     .000000     .000000     .000000  761.333408
0.50000    3614.480   92.141953     .000000     .000000     .000000  702.284039
1.00000    3614.480   92.141953     .000000     .000000     .000000    1688.768

ELEM     441 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3060.832   71.386213     .000000     .000000     .000000    1839.748
0.50000    3060.832   71.386213     .000000     .000000     .000000    1093.109
1.00000    3060.832   71.386213     .000000     .000000     .000000  687.565690

ELEM     442 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    3053.309   90.125784     .000000     .000000     .000000  687.565690
0.50000    3053.309   90.125784     .000000     .000000     .000000  721.951178
1.00000    3053.309   90.125784     .000000     .000000     .000000    1705.581

ELEM     443 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1955.477   65.596093     .000000     .000000     .000000    1625.789
0.50000    1955.477   65.596093     .000000     .000000     .000000  961.926081
1.00000    1955.477   65.596093     .000000     .000000     .000000  668.306525

ELEM     444 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1952.447   81.738862     .000000     .000000     .000000  668.306525
0.50000    1952.447   81.738862     .000000     .000000     .000000  673.861434
1.00000    1952.447   81.738862     .000000     .000000     .000000    1544.585

ELEM     445 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1106.222   59.559717     .000000     .000000     .000000    1494.216
0.50000    1106.222   59.559717     .000000     .000000     .000000  899.126057
1.00000    1106.222   59.559717     .000000     .000000     .000000  637.033823

ELEM     446 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1099.116   75.503246     .000000     .000000     .000000  637.033823
0.50000    1099.116   75.503246     .000000     .000000     .000000  589.388994
1.00000    1099.116   75.503246     .000000     .000000     .000000    1389.518

ELEM     447 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2317.527   61.913371     .000000     .000000     .000000    1585.592
0.50000    2317.527   61.913371     .000000     .000000     .000000  946.272474
1.00000    2317.527   61.913371     .000000     .000000     .000000  617.043264

ELEM     448 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2309.930   79.966564     .000000     .000000     .000000  617.043264
0.50000    2309.930   79.966564     .000000     .000000     .000000  627.497627
1.00000    2309.930   79.966564     .000000     .000000     .000000    1499.474

ELEM     449 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    3371.785   62.969612     .000000     .000000     .000000   1578.844
0.50000    3371.785   62.969612     .000000     .000000     .000000  953.595728
1.00000    3371.785   62.969612     .000000     .000000     .000000  684.038983

ELEM     450 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3364.238   81.296548     .000000     .000000     .000000  684.038983
0.50000    3364.238   81.296548     .000000     .000000     .000000  607.182253
1.00000    3364.238   81.296548     .000000     .000000     .000000   1474.063

ELEM     451 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    0.167251   59.776718     .000000     .000000     .000000   1474.864
0.50000    0.167251   59.776718     .000000     .000000     .000000  895.220057
1.00000    0.167251   59.776718     .000000     .000000     .000000  675.805469

ELEM     452 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    0.150204   77.817243     .000000     .000000     .000000  675.805469
0.50000    0.150204   77.817243     .000000     .000000     .000000  575.195830
1.00000    0.150204   77.817243     .000000     .000000     .000000   1396.058

ELEM     453 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3413.979   58.421286     .000000     .000000     .000000   1473.935
0.50000    3413.979   58.421286     .000000     .000000     .000000  902.819563
1.00000    3413.979   58.421286     .000000     .000000     .000000  663.805961

ELEM     454 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3406.757   77.434784     .000000     .000000     .000000  663.805961
0.50000    3406.757   77.434784     .000000     .000000     .000000  560.461798
1.00000    3406.757   77.434784     .000000     .000000     .000000   1383.650

ELEM     455 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2209.186   56.427753     .000000     .000000     .000000   1396.964
0.50000    2209.186   56.427753     .000000     .000000     .000000  848.405854
1.00000    2209.186   56.427753     .000000     .000000     .000000  636.470618

ELEM     456 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    2201.893   74.170870     .000000     .000000     .000000  636.470618
0.50000    2201.893   74.170870     .000000     .000000     .000000  555.754434
1.00000    2201.893   74.170870     .000000     .000000     .000000    1340.526

ELEM     457 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1779.410   51.741625     .000000     .000000     .000000    1195.337
0.50000    1779.410   51.741625     .000000     .000000     .000000  716.934201
1.00000    1779.410   51.741625     .000000     .000000     .000000  608.433901

ELEM     458 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1775.497   66.240942     .000000     .000000     .000000  608.433901
0.50000    1775.497   66.240942     .000000     .000000     .000000  524.404058
1.00000    1775.497   66.240942     .000000     .000000     .000000    1201.462

ELEM     459 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2059.074   57.253372     .000000     .000000     .000000    1319.269
0.50000    2059.074   57.253372     .000000     .000000     .000000  777.786759
1.00000    2059.074   57.253372     .000000     .000000     .000000  643.025547

ELEM     460 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2055.803   72.577915     .000000     .000000     .000000  643.025547
0.50000    2055.803   72.577915     .000000     .000000     .000000  607.139622
1.00000    2055.803   72.577915     .000000     .000000     .000000    1356.765

ELEM     461 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4893.091   63.512273     .000000     .000000     .000000    1538.240
0.50000    4893.091   63.512273     .000000     .000000     .000000  903.195753
1.00000    4893.091   63.512273     .000000     .000000     .000000  653.512840

ELEM     462 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4885.413   82.295280     .000000     .000000     .000000  653.512840
0.50000    4885.413   82.295280     .000000     .000000     .000000  687.559091
1.00000    4885.413   82.295280     .000000     .000000     .000000    1571.267

ELEM     463 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    3407.090   64.295509     .000000     .000000     .000000   1559.656
0.50000    3407.090   64.295509     .000000     .000000     .000000  918.048358
1.00000    3407.090   64.295509     .000000     .000000     .000000  666.082242

ELEM     464 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3400.282   84.194666     .000000     .000000     .000000  666.082242
0.50000    3400.282   84.194666     .000000     .000000     .000000  701.075252
1.00000    3400.282   84.194666     .000000     .000000     .000000   1606.520

ELEM     465 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3608.607   62.298251     .000000     .000000     .000000   1448.766
0.50000    3608.607   62.298251     .000000     .000000     .000000  848.482204
1.00000    3608.607   62.298251     .000000     .000000     .000000  677.252288

ELEM     466 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3602.095   80.897907     .000000     .000000     .000000  677.252288
0.50000    3602.095   80.897907     .000000     .000000     .000000  678.786230
1.00000    3602.095   80.897907     .000000     .000000     .000000   1532.201

ELEM     482 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3215.412   57.296545     .000000     .000000     .000000   1252.458
0.50000    3215.412   57.296545     .000000     .000000     .000000  876.478778
1.00000    3215.412   57.296545     .000000     .000000     .000000  955.641849

ELEM     483 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3200.955   98.672611     .000000     .000000     .000000  955.641849
0.50000    3200.955   98.672611     .000000     .000000     .000000  761.738784
1.00000    3200.955   98.672611     .000000     .000000     .000000   1746.794

ELEM     484 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3606.834   66.195796     .000000     .000000     .000000   1276.124
0.50000    3606.834   66.195796     .000000     .000000     .000000  950.928308
1.00000    3606.834   66.195796     .000000     .000000     .000000   1200.841

ELEM     485 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    3585.665  112.563585     .000000     .000000     .000000    1200.841
0.50000    3585.665  112.563585     .000000     .000000     .000000  782.495926
1.00000    3585.665  112.563585     .000000     .000000     .000000    1852.485

ELEM     486 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3757.908   66.733138     .000000     .000000     .000000    1292.250
0.50000    3757.908   66.733138     .000000     .000000     .000000  967.954395
1.00000    3757.908   66.733138     .000000     .000000     .000000    1219.227

ELEM     487 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3736.489  111.434343     .000000     .000000     .000000    1219.227
0.50000    3736.489  111.434343     .000000     .000000     .000000  756.468849
1.00000    3736.489  111.434343     .000000     .000000     .000000    1798.402

ELEM     488 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5776.175   63.360861     .000000     .000000     .000000    1174.285
0.50000    5776.175   63.360861     .000000     .000000     .000000  903.002199
1.00000    5776.175   63.360861     .000000     .000000     .000000    1186.627

ELEM     489 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5764.520  100.616855     .000000     .000000     .000000    1186.627
0.50000    5764.520  100.616855     .000000     .000000     .000000  641.802007
1.00000    5764.520  100.616855     .000000     .000000     .000000    1526.884

ELEM     490 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3096.764   63.884625     .000000     .000000     .000000    1041.018
0.50000    3096.764   63.884625     .000000     .000000     .000000  780.227525
1.00000    3096.764   63.884625     .000000     .000000     .000000    1144.199

ELEM     491 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3086.907  101.236682     .000000     .000000     .000000    1144.199
0.50000    3086.907  101.236682     .000000     .000000     .000000  721.837191
1.00000    3086.907  101.236682     .000000     .000000     .000000    1638.469

ELEM     492 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    3165.677   65.218217     .000000     .000000     .000000    1145.247
0.50000    3165.677   65.218217     .000000     .000000     .000000  868.792427
1.00000    3165.677   65.218217     .000000     .000000     .000000    1192.893

ELEM     493 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3147.567  110.309342     .000000     .000000     .000000    1192.893
0.50000    3147.567  110.309342     .000000     .000000     .000000  776.749985
1.00000    3147.567  110.309342     .000000     .000000     .000000    1813.316

ELEM     494 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3356.366   64.196020     .000000     .000000     .000000    1132.882
0.50000    3356.366   64.196020     .000000     .000000     .000000  861.373543
1.00000    3356.366   64.196020     .000000     .000000     .000000    1177.876

ELEM     495 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3334.471  112.824409     .000000     .000000     .000000    1177.876
0.50000    3334.471  112.824409     .000000     .000000     .000000  810.829027
1.00000    3334.471  112.824409     .000000     .000000     .000000    1895.665

ELEM     496 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    0.238891   65.366192     .000000     .000000     .000000    1103.583
0.50000    0.238891   65.366192     .000000     .000000     .000000  835.693564
1.00000    0.238891   65.366192     .000000     .000000     .000000    1187.190

ELEM     497 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    0.320624  113.207788     .000000     .000000     .000000    1187.190
0.50000    0.320624  113.207788     .000000     .000000     .000000  837.586567
1.00000    0.320624  113.207788     .000000     .000000     .000000    1919.555

ELEM     498 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3280.766   65.684770     .000000     .000000     .000000    1120.811
0.50000    3280.766   65.684770     .000000     .000000     .000000  829.183335
1.00000    3280.766   65.684770     .000000     .000000     .000000    1166.810

ELEM     499 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    3259.431  114.866337     .000000     .000000     .000000    1166.810
0.50000    3259.431  114.866337     .000000     .000000     .000000  883.306590
1.00000    3259.431  114.866337     .000000     .000000     .000000    1999.742

ELEM     500 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2507.710   67.196920     .000000     .000000     .000000    1119.792
0.50000    2507.710   67.196920     .000000     .000000     .000000  804.537602
1.00000    2507.710   67.196920     .000000     .000000     .000000    1158.046

ELEM     501 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2489.375  115.603105     .000000     .000000     .000000    1158.046
0.50000    2489.375  115.603105     .000000     .000000     .000000  921.750388
1.00000    2489.375  115.603105     .000000     .000000     .000000    2051.105

ELEM     502 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3512.314   66.143693     .000000     .000000     .000000    1067.881
0.50000    3512.314   66.143693     .000000     .000000     .000000  723.487447
1.00000    3512.314   66.143693     .000000     .000000     .000000    1080.044

ELEM     503 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3502.355  111.354883     .000000     .000000     .000000    1080.044
0.50000    3502.355  111.354883     .000000     .000000     .000000  943.156938
1.00000    3502.355  111.354883     .000000     .000000     .000000    2045.426

ELEM     504 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5036.877   67.639026     .000000     .000000     .000000    1249.881
0.50000    5036.877   67.639026     .000000     .000000     .000000  822.941737
1.00000    5036.877   67.639026     .000000     .000000     .000000    1053.506

ELEM     505 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5024.666  116.126105     .000000     .000000     .000000    1053.506
0.50000    5024.666  116.126105     .000000     .000000     .000000  966.574407
1.00000    5024.666  116.126105     .000000     .000000     .000000    2154.627

ELEM     506 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    5594.615   75.408390     .000000     .000000     .000000    1472.536
0.50000    5594.615   75.408390     .000000     .000000     .000000  953.843046
1.00000    5594.615   75.408390     .000000     .000000     .000000    1135.325

ELEM     507 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5570.417  131.299905     .000000     .000000     .000000    1135.325
0.50000    5570.417  131.299905     .000000     .000000     .000000    1142.996
1.00000    5570.417  131.299905     .000000     .000000     .000000    2507.776

ELEM     508 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2986.957   77.002209     .000000     .000000     .000000    1526.501
0.50000    2986.957   77.002209     .000000     .000000     .000000  985.407391
1.00000    2986.957   77.002209     .000000     .000000     .000000    1148.695

ELEM     509 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2967.475  134.927400     .000000     .000000     .000000    1148.695
0.50000    2967.475  134.927400     .000000     .000000     .000000    1187.852
1.00000    2967.475  134.927400     .000000     .000000     .000000    2597.237

ELEM     510 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3586.347   76.765802     .000000     .000000     .000000    1463.212
0.50000    3586.347   76.765802     .000000     .000000     .000000  961.715161
1.00000    3586.347   76.765802     .000000     .000000     .000000    1185.741

ELEM     511 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3565.822  133.225704     .000000     .000000     .000000    1185.741
0.50000    3565.822  133.225704     .000000     .000000     .000000    1155.229
1.00000    3565.822  133.225704     .000000     .000000     .000000    2524.849

ELEM     527 ================== LENGTH =   10.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3165.483  146.100685     .000000     .000000     .000000    1236.060
0.50000    3165.483  146.100685     .000000     .000000     .000000  473.601177
1.00000    3165.483  146.100685     .000000     .000000     .000000  288.877379

ELEM     528 ================== LENGTH =    4.562500

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    3142.970   96.406800     .000000     .000000     .000000  288.877379
0.50000    3142.970   96.406800     .000000     .000000     .000000  477.478458
1.00000    3142.970   96.406800     .000000     .000000     .000000  685.023997

ELEM     529 ================== LENGTH =   10.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2582.207  138.688868     .000000     .000000     .000000    1171.117
0.50000    2582.207  138.688868     .000000     .000000     .000000  447.334917
1.00000    2582.207  138.688868     .000000     .000000     .000000  276.450609

ELEM     530 ================== LENGTH =    4.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2601.961   28.787724     .000000     .000000     .000000  276.450609
0.50000    2601.961   28.787724     .000000     .000000     .000000  306.969689
1.00000    2601.961   28.787724     .000000     .000000     .000000  347.363590

ELEM     531 ================== LENGTH =   10.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  918.378690  162.570872     .000000     .000000     .000000    1372.486
0.50000  918.378690  162.570872     .000000     .000000     .000000  524.069596
1.00000  918.378690  162.570872     .000000     .000000     .000000  324.349558

ELEM     532 ================== LENGTH =    4.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  869.949491   26.407106     .000000     .000000     .000000  324.349558
0.50000  869.949491   26.407106     .000000     .000000     .000000  340.467357
1.00000  869.949491   26.407106     .000000     .000000     .000000  365.911757

ELEM     533 ================== LENGTH =   10.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  424.077894  208.386291     .000000     .000000     .000000    1758.662
0.50000  424.077894  208.386291     .000000     .000000     .000000  671.146239
1.00000  424.077894  208.386291     .000000     .000000     .000000  416.371125

ELEM     534 ================== LENGTH =    4.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  401.331315   24.569879     .000000     .000000     .000000  416.371125
0.50000  401.331315   24.569879     .000000     .000000     .000000  396.812936
1.00000  401.331315   24.569879     .000000     .000000     .000000  384.498779

ELEM     535 ================== LENGTH =   10.437500

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000  798.290806  164.588937     .000000     .000000     .000000    1389.817
0.50000  798.290806  164.588937     .000000     .000000     .000000  530.869226
1.00000  798.290806  164.588937     .000000     .000000     .000000  328.081009

ELEM     536 ================== LENGTH =    4.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  755.831466   25.409130     .000000     .000000     .000000  328.081009
0.50000  755.831466   25.409130     .000000     .000000     .000000  360.431085
1.00000  755.831466   25.409130     .000000     .000000     .000000  398.627358

ELEM     537 ================== LENGTH =   10.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2255.256  139.362570     .000000     .000000     .000000    1177.396
0.50000    2255.256  139.362570     .000000     .000000     .000000  450.098255
1.00000    2255.256  139.362570     .000000     .000000     .000000  277.201762

ELEM     538 ================== LENGTH =    4.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2260.923   32.877083     .000000     .000000     .000000  277.201762
0.50000    2260.923   32.877083     .000000     .000000     .000000  340.332703
1.00000    2260.923   32.877083     .000000     .000000     .000000  407.507221

ELEM     539 ================== LENGTH =   10.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2917.704  140.851083     .000000     .000000     .000000    1194.310
0.50000    2917.704  140.851083     .000000     .000000     .000000  459.245661
1.00000    2917.704  140.851083     .000000     .000000     .000000  275.830334

ELEM     540 ================== LENGTH =    4.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2888.644  148.859835     .000000     .000000     .000000  275.830334
0.50000    2888.644  148.859835     .000000     .000000     .000000  607.092347
1.00000    2888.644  148.859835     .000000     .000000     .000000  944.286951

ELEM     541 ================== LENGTH =   10.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    0.249861  134.607782     .000000     .000000     .000000    1136.814
0.50000    0.249861  134.607782     .000000     .000000     .000000  434.330330
1.00000    0.249861  134.607782     .000000     .000000     .000000  268.155218

ELEM     542 ================== LENGTH =    4.562500

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    0.258034   22.126370     .000000     .000000     .000000  268.155218
0.50000    0.258034   22.126370     .000000     .000000     .000000  303.925008
1.00000    0.258034   22.126370     .000000     .000000     .000000  343.408224

ELEM     543 ================== LENGTH =   10.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2919.838  115.057107     .000000     .000000     .000000  977.575838
0.50000    2919.838  115.057107     .000000     .000000     .000000  377.124131
1.00000    2919.838  115.057107     .000000     .000000     .000000  223.341389

ELEM     544 ================== LENGTH =    4.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2891.789  173.854706     .000000     .000000     .000000  223.341389
0.50000    2891.789  173.854706     .000000     .000000     .000000  614.328457
1.00000    2891.789  173.854706     .000000     .000000     .000000    1009.708

ELEM     545 ================== LENGTH =   10.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2291.331   86.737069     .000000     .000000     .000000  734.455942
0.50000    2291.331   86.737069     .000000     .000000     .000000  281.797418
1.00000    2291.331   86.737069     .000000     .000000     .000000  170.864056

ELEM     546 ================== LENGTH =    4.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2296.722   63.169381     .000000     .000000     .000000  170.864056
0.50000    2296.722   63.169381     .000000     .000000     .000000  311.299620
1.00000    2296.722   63.169381     .000000     .000000     .000000  454.040715

ELEM     547 ================== LENGTH =   10.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  587.510664   77.633506     .000000     .000000     .000000  657.979353
0.50000  587.510664   77.633506     .000000     .000000     .000000  252.830340
1.00000  587.510664   77.633506     .000000     .000000     .000000  152.323188

ELEM     548 ================== LENGTH =    4.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  554.918148   73.402584     .000000     .000000     .000000  152.323188
0.50000  554.918148   73.402584     .000000     .000000     .000000  315.944376
1.00000  554.918148   73.402584     .000000     .000000     .000000  482.201318

ELEM     549 ================== LENGTH =   10.437500

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000  549.858541   72.595369     .000000     .000000     .000000  615.711413
0.50000  549.858541   72.595369     .000000     .000000     .000000  236.855319
1.00000  549.858541   72.595369     .000000     .000000     .000000  142.006053

ELEM     550 ================== LENGTH =    4.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  519.941863   80.252142     .000000     .000000     .000000  142.006053
0.50000  519.941863   80.252142     .000000     .000000     .000000  321.561691
1.00000  519.941863   80.252142     .000000     .000000     .000000  503.657802

ELEM     551 ================== LENGTH =   10.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  786.109737   20.265838     .000000     .000000     .000000  174.536822
0.50000  786.109737   20.265838     .000000     .000000     .000000   68.794228
1.00000  786.109737   20.265838     .000000     .000000     .000000   37.061255

ELEM     552 ================== LENGTH =    4.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  740.835464  106.864551     .000000     .000000     .000000   37.061255
0.50000  740.835464  106.864551     .000000     .000000     .000000  275.039106
1.00000  740.835464  106.864551     .000000     .000000     .000000  518.441413

ELEM     553 ================== LENGTH =   10.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2817.042   14.227388     .000000     .000000     .000000  122.471866
0.50000    2817.042   14.227388     .000000     .000000     .000000   48.279796
1.00000    2817.042   14.227388     .000000     .000000     .000000   26.237390

ELEM     554 ================== LENGTH =    4.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2831.569  100.608493     .000000     .000000     .000000   26.237390
0.50000    2831.569  100.608493     .000000     .000000     .000000  244.136256
1.00000    2831.569  100.608493     .000000     .000000     .000000  473.148149

ELEM     555 ================== LENGTH =   10.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3517.531   25.384275     .000000     .000000     .000000  221.155025
0.50000    3517.531   25.384275     .000000     .000000     .000000   88.752920
1.00000    3517.531   25.384275     .000000     .000000     .000000   44.084409

ELEM     556 ================== LENGTH =    4.562500

SPEC   HORIZ ------------------
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	3491.206	217.498972	.000000	.000000	.000000	44.084409
0.50000	3491.206	217.498972	.000000	.000000	.000000	530.657026
1.00000	3491.206	217.498972	.000000	.000000	.000000	1026.459

S A P 2 0 0 0

Structural Analysis Programs

Version 7.40

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STEADY STATE LOAD FREQUENCY - - - - - - - - 0.0000E+00

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FORCE UNITS - - - - - - - - - - - - - - - - - LB

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G E N E R A T E D J O I N T C O O R D I N A T E S

JOINT	X	Y	Z
1	130.625	120.000	548.219
2	562.625	120.000	548.219
D2	94.625	120.000	146.500
D3	166.625	120.000	146.500
D4	238.625	120.000	146.500
D5	310.625	120.000	146.500
D6	382.625	120.000	146.500
D7	454.625	120.000	146.500
D8	526.625	120.000	146.500
D9	598.625	120.000	146.500

E2	94.625	120.000	162.250
E3	166.625	120.000	162.250
E4	238.625	120.000	162.250
E5	310.625	120.000	162.250
E6	382.625	120.000	162.250
E7	454.625	120.000	162.250
E8	526.625	120.000	162.250
E9	598.625	120.000	162.250
F2	94.625	120.000	195.000
F3	166.625	120.000	195.000
F8	526.625	120.000	195.000
F9	598.625	120.000	195.000
G2	94.625	120.000	243.000
G3	166.625	120.000	243.000
G4	238.625	120.000	243.000
G5	310.625	120.000	243.000
G6	382.625	120.000	243.000
G7	454.625	120.000	243.000
G8	526.625	120.000	243.000
G9	598.625	120.000	243.000
H2	94.625	120.000	291.000
H3	166.625	120.000	291.000
H8	526.625	120.000	291.000
H9	598.625	120.000	291.000
I1	82.113	120.000	339.000
I2	94.625	120.000	339.000
I3	166.625	120.000	339.000
I4	238.625	120.000	339.000
I5	310.625	120.000	339.000
I6	382.625	120.000	339.000
I7	454.625	120.000	339.000
I8	526.625	120.000	339.000
I9	598.625	120.000	339.000
J1	69.600	120.000	387.000
J2	94.625	120.000	387.000
J3	166.625	120.000	387.000
J8	526.625	120.000	387.000
J9	598.625	120.000	387.000
K1	57.088	120.000	435.000
K2	94.625	120.000	435.000
K3	166.625	120.000	435.000
K4	238.625	120.000	435.000
K5	310.625	120.000	435.000
K6	382.625	120.000	435.000
K7	454.625	120.000	435.000
K8	526.625	120.000	435.000
K9	598.625	120.000	435.000
L1	44.575	120.000	483.000
L2	94.625	120.000	483.000
L3	166.625	120.000	483.000
L8	526.625	120.000	483.000
L9	598.625	120.000	483.000
M1	32.063	120.000	531.000
M2	94.625	120.000	531.000
M3	166.625	120.000	531.000
M4	238.625	120.000	531.000
M5	310.625	120.000	531.000
M6	382.625	120.000	531.000
M7	454.625	120.000	531.000
M8	526.625	120.000	531.000
M9	598.625	120.000	531.000
N1	23.086	120.000	565.437
N2	94.625	120.000	565.437

N3	166.625	120.000	565.437
N8	526.625	120.000	565.437
N9	598.625	120.000	565.437
O4	238.625	120.000	641.000
O7	454.625	120.000	641.000
P1	0.000	120.000	654.000
P2	94.625	120.000	654.000
P3	166.625	120.000	654.000
P4	238.625	120.000	654.000
P5	310.625	120.000	654.000
P6	382.625	120.000	654.000
P7	454.625	120.000	654.000
P8	526.625	120.000	654.000
P9	598.625	120.000	654.000
E2A	130.625	120.000	162.250
E2B	154.625	120.000	162.250
E3A	178.625	120.000	162.250
E3B	202.625	120.000	162.250
E3C	226.625	120.000	162.250
E4A	250.625	120.000	162.250
E4B	280.625	120.000	162.250
E6A	412.625	120.000	162.250
E6B	442.625	120.000	162.250
E7A	466.625	120.000	162.250
E7B	490.625	120.000	162.250
E7C	514.625	120.000	162.250
E8A	538.625	120.000	162.250
E8B	562.625	120.000	162.250
G2A	109.625	120.000	243.000
G2B	133.625	120.000	243.000
G2C	157.625	120.000	243.000
G3A	181.625	120.000	243.000
G3B	205.625	120.000	243.000
G3C	229.625	120.000	243.000
G4A	264.625	120.000	243.000
G6A	428.625	120.000	243.000
G7A	463.625	120.000	243.000
G7B	487.625	120.000	243.000
G7C	511.625	120.000	243.000
G8A	535.625	120.000	243.000
G8B	559.625	120.000	243.000
G8C	583.625	120.000	243.000
I10	611.137	120.000	339.000
I1A	86.113	120.000	339.000
I2A	110.113	120.000	339.000
I2B	134.113	120.000	339.000
I2C	158.113	120.000	339.000
I3A	182.113	120.000	339.000
I3B	206.113	120.000	339.000
I3C	230.113	120.000	339.000
I4A	250.625	120.000	339.000
I6A	442.625	120.000	339.000
I7A	463.137	120.000	339.000
I7B	487.137	120.000	339.000
I7C	511.137	120.000	339.000
I8A	535.137	120.000	339.000
I8B	559.137	120.000	339.000
I8C	583.137	120.000	339.000
I9A	607.137	120.000	339.000
J10	623.650	120.000	387.000
K10	636.162	120.000	435.000
K1A	61.088	120.000	435.000
K1B	85.088	120.000	435.000

K2A	109.088	120.000	435.000
K2B	133.088	120.000	435.000
K2C	157.088	120.000	435.000
K3A	181.088	120.000	435.000
K3B	212.088	120.000	435.000
K7A	481.162	120.000	435.000
K7B	512.162	120.000	435.000
K8A	536.162	120.000	435.000
K8B	560.162	120.000	435.000
K8C	584.162	120.000	435.000
K9A	608.162	120.000	435.000
K9B	632.162	120.000	435.000
L10	648.675	120.000	483.000
M10	661.187	120.000	531.000
M3A	190.625	120.000	531.000
M7A	502.625	120.000	531.000
N10	670.164	120.000	565.437
N1A	29.086	120.000	565.437
N1B	53.086	120.000	565.437
N1C	77.086	120.000	565.437
N2A	101.086	120.000	565.437
N2B	125.086	120.000	565.437
N2C	149.086	120.000	565.437
N8A	544.164	120.000	565.437
N8B	568.164	120.000	565.437
N8C	592.164	120.000	565.437
N9A	616.164	120.000	565.437
N9B	640.164	120.000	565.437
N9C	664.164	120.000	565.437
P10	693.250	120.000	654.000

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P A T T E R N S

PATTERN	JOINT	VALUE
DEFAULT		

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R E S T R A I N T D A T A

JOINT			
D2	U1	U2	U3
D3	U1	U2	U3
D4	U1	U2	U3
D5	U1	U2	U3
D6	U1	U2	U3
D7	U1	U2	U3
D8	U1	U2	U3
D9	U1	U2	U3

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C O N S T R A I N T D A T A

CONSTR	TYPE	CSYS	AXIS	DEGREES OF FREEDOM
PO4	EQUAL	0		UX
PO7	EQUAL	0		UX

C O N S T R A I N T D A T A

CONSTR	JOINTS	
PO4		
	O4	P4
PO7		
	O7	P7

J O I N T M A S S E S

JOINT	U1	U2	U3	R1	R2	R3
D2	0.562E-01	0.562E-01	0.562E-01	0.000E+00	0.000E+00	0.000E+00
D3	0.510E-01	0.510E-01	0.510E-01	0.000E+00	0.000E+00	0.000E+00
D4	0.510E-01	0.510E-01	0.510E-01	0.000E+00	0.000E+00	0.000E+00
D5	0.510E-01	0.510E-01	0.510E-01	0.000E+00	0.000E+00	0.000E+00
D6	0.510E-01	0.510E-01	0.510E-01	0.000E+00	0.000E+00	0.000E+00
D7	0.510E-01	0.510E-01	0.510E-01	0.000E+00	0.000E+00	0.000E+00
D8	0.510E-01	0.510E-01	0.510E-01	0.000E+00	0.000E+00	0.000E+00
D9	0.562E-01	0.562E-01	0.562E-01	0.000E+00	0.000E+00	0.000E+00
E2	0.173E+00	0.173E+00	0.173E+00	0.000E+00	0.000E+00	0.000E+00
E3	0.157E+00	0.157E+00	0.157E+00	0.000E+00	0.000E+00	0.000E+00
E4	0.312E+00	0.312E+00	0.312E+00	0.000E+00	0.000E+00	0.000E+00
E5	0.312E+00	0.312E+00	0.312E+00	0.000E+00	0.000E+00	0.000E+00
E6	0.312E+00	0.312E+00	0.312E+00	0.000E+00	0.000E+00	0.000E+00
E7	0.312E+00	0.312E+00	0.312E+00	0.000E+00	0.000E+00	0.000E+00
E8	0.157E+00	0.157E+00	0.157E+00	0.000E+00	0.000E+00	0.000E+00
E9	0.173E+00	0.173E+00	0.173E+00	0.000E+00	0.000E+00	0.000E+00
F2	0.288E+00	0.288E+00	0.288E+00	0.000E+00	0.000E+00	0.000E+00
F3	0.261E+00	0.261E+00	0.261E+00	0.000E+00	0.000E+00	0.000E+00
F8	0.261E+00	0.261E+00	0.261E+00	0.000E+00	0.000E+00	0.000E+00
F9	0.288E+00	0.288E+00	0.288E+00	0.000E+00	0.000E+00	0.000E+00
G2	0.343E+00	0.343E+00	0.343E+00	0.000E+00	0.000E+00	0.000E+00
G3	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
G4	0.572E+00	0.572E+00	0.572E+00	0.000E+00	0.000E+00	0.000E+00
G5	0.572E+00	0.572E+00	0.572E+00	0.000E+00	0.000E+00	0.000E+00
G6	0.572E+00	0.572E+00	0.572E+00	0.000E+00	0.000E+00	0.000E+00
G7	0.572E+00	0.572E+00	0.572E+00	0.000E+00	0.000E+00	0.000E+00
G8	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
G9	0.964E+00	0.964E+00	0.964E+00	0.000E+00	0.000E+00	0.000E+00
H2	0.346E+00	0.346E+00	0.346E+00	0.000E+00	0.000E+00	0.000E+00
H3	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
H8	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
H9	0.967E+00	0.967E+00	0.967E+00	0.000E+00	0.000E+00	0.000E+00
I1	0.349E+00	0.349E+00	0.349E+00	0.000E+00	0.000E+00	0.000E+00
I2	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00

I3	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
I4	0.621E+00	0.621E+00	0.621E+00	0.000E+00	0.000E+00	0.000E+00
I5	0.621E+00	0.621E+00	0.621E+00	0.000E+00	0.000E+00	0.000E+00
I6	0.621E+00	0.621E+00	0.621E+00	0.000E+00	0.000E+00	0.000E+00
I7	0.621E+00	0.621E+00	0.621E+00	0.000E+00	0.000E+00	0.000E+00
I8	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
I9	0.932E+00	0.932E+00	0.932E+00	0.000E+00	0.000E+00	0.000E+00
J1	0.349E+00	0.349E+00	0.349E+00	0.000E+00	0.000E+00	0.000E+00
J2	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
J3	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
J8	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
J9	0.932E+00	0.932E+00	0.932E+00	0.000E+00	0.000E+00	0.000E+00
K1	0.349E+00	0.349E+00	0.349E+00	0.000E+00	0.000E+00	0.000E+00
K2	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
K3	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
K4	0.621E+00	0.621E+00	0.621E+00	0.000E+00	0.000E+00	0.000E+00
K5	0.621E+00	0.621E+00	0.621E+00	0.000E+00	0.000E+00	0.000E+00
K6	0.621E+00	0.621E+00	0.621E+00	0.000E+00	0.000E+00	0.000E+00
K7	0.621E+00	0.621E+00	0.621E+00	0.000E+00	0.000E+00	0.000E+00
K8	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
K9	0.932E+00	0.932E+00	0.932E+00	0.000E+00	0.000E+00	0.000E+00
L1	0.349E+00	0.349E+00	0.349E+00	0.000E+00	0.000E+00	0.000E+00
L2	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
L3	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
L8	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
L9	0.932E+00	0.932E+00	0.932E+00	0.000E+00	0.000E+00	0.000E+00
M1	0.296E+00	0.296E+00	0.296E+00	0.000E+00	0.000E+00	0.000E+00
M2	0.263E+00	0.263E+00	0.263E+00	0.000E+00	0.000E+00	0.000E+00
M3	0.263E+00	0.263E+00	0.263E+00	0.000E+00	0.000E+00	0.000E+00
M4	0.709E+00	0.709E+00	0.709E+00	0.000E+00	0.000E+00	0.000E+00
M5	0.709E+00	0.709E+00	0.709E+00	0.000E+00	0.000E+00	0.000E+00
M6	0.709E+00	0.709E+00	0.709E+00	0.000E+00	0.000E+00	0.000E+00
M7	0.709E+00	0.709E+00	0.709E+00	0.000E+00	0.000E+00	0.000E+00
M8	0.263E+00	0.263E+00	0.263E+00	0.000E+00	0.000E+00	0.000E+00
M9	0.790E+00	0.790E+00	0.790E+00	0.000E+00	0.000E+00	0.000E+00
N1	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
N2	0.744E+01	0.744E+01	0.744E+01	0.000E+00	0.000E+00	0.000E+00
N3	0.637E+01	0.637E+01	0.637E+01	0.000E+00	0.000E+00	0.000E+00
N8	0.637E+01	0.637E+01	0.637E+01	0.000E+00	0.000E+00	0.000E+00
N9	0.824E+01	0.824E+01	0.824E+01	0.000E+00	0.000E+00	0.000E+00
O4	0.290E+00	0.290E+00	0.290E+00	0.000E+00	0.000E+00	0.000E+00
O7	0.290E+00	0.290E+00	0.290E+00	0.000E+00	0.000E+00	0.000E+00
P1	0.146E+01	0.146E+01	0.146E+01	0.000E+00	0.000E+00	0.000E+00
P2	0.255E+01	0.255E+01	0.255E+01	0.000E+00	0.000E+00	0.000E+00
P3	0.255E+01	0.255E+01	0.255E+01	0.000E+00	0.000E+00	0.000E+00
P4	0.230E+01	0.230E+01	0.230E+01	0.000E+00	0.000E+00	0.000E+00
P5	0.255E+01	0.255E+01	0.255E+01	0.000E+00	0.000E+00	0.000E+00
P6	0.255E+01	0.255E+01	0.255E+01	0.000E+00	0.000E+00	0.000E+00
P7	0.230E+01	0.230E+01	0.230E+01	0.000E+00	0.000E+00	0.000E+00
P8	0.255E+01	0.255E+01	0.255E+01	0.000E+00	0.000E+00	0.000E+00
P9	0.278E+01	0.278E+01	0.278E+01	0.000E+00	0.000E+00	0.000E+00
E2A	0.797E-01	0.797E-01	0.797E-01	0.000E+00	0.000E+00	0.000E+00
E2B	0.137E+00	0.137E+00	0.137E+00	0.000E+00	0.000E+00	0.000E+00
E3A	0.119E+00	0.119E+00	0.119E+00	0.000E+00	0.000E+00	0.000E+00
E3B	0.119E+00	0.119E+00	0.119E+00	0.000E+00	0.000E+00	0.000E+00
E3C	0.102E+00	0.102E+00	0.102E+00	0.000E+00	0.000E+00	0.000E+00
E4A	0.102E+00	0.102E+00	0.102E+00	0.000E+00	0.000E+00	0.000E+00
E4B	0.675E-01	0.675E-01	0.675E-01	0.000E+00	0.000E+00	0.000E+00
E6A	0.675E-01	0.675E-01	0.675E-01	0.000E+00	0.000E+00	0.000E+00
E6B	0.102E+00	0.102E+00	0.102E+00	0.000E+00	0.000E+00	0.000E+00
E7A	0.102E+00	0.102E+00	0.102E+00	0.000E+00	0.000E+00	0.000E+00
E7B	0.119E+00	0.119E+00	0.119E+00	0.000E+00	0.000E+00	0.000E+00
E7C	0.119E+00	0.119E+00	0.119E+00	0.000E+00	0.000E+00	0.000E+00

E8A	0.137E+00	0.137E+00	0.137E+00	0.000E+00	0.000E+00	0.000E+00
E8B	0.797E-01	0.797E-01	0.797E-01	0.000E+00	0.000E+00	0.000E+00
G2A	0.174E+00	0.174E+00	0.174E+00	0.000E+00	0.000E+00	0.000E+00
G2B	0.299E+00	0.299E+00	0.299E+00	0.000E+00	0.000E+00	0.000E+00
G2C	0.261E+00	0.261E+00	0.261E+00	0.000E+00	0.000E+00	0.000E+00
G3A	0.261E+00	0.261E+00	0.261E+00	0.000E+00	0.000E+00	0.000E+00
G3B	0.222E+00	0.222E+00	0.222E+00	0.000E+00	0.000E+00	0.000E+00
G3C	0.222E+00	0.222E+00	0.222E+00	0.000E+00	0.000E+00	0.000E+00
G4A	0.148E+00	0.148E+00	0.148E+00	0.000E+00	0.000E+00	0.000E+00
G6A	0.148E+00	0.148E+00	0.148E+00	0.000E+00	0.000E+00	0.000E+00
G7A	0.222E+00	0.222E+00	0.222E+00	0.000E+00	0.000E+00	0.000E+00
G7B	0.222E+00	0.222E+00	0.222E+00	0.000E+00	0.000E+00	0.000E+00
G7C	0.261E+00	0.261E+00	0.261E+00	0.000E+00	0.000E+00	0.000E+00
G8A	0.261E+00	0.261E+00	0.261E+00	0.000E+00	0.000E+00	0.000E+00
G8B	0.299E+00	0.299E+00	0.299E+00	0.000E+00	0.000E+00	0.000E+00
G8C	0.174E+00	0.174E+00	0.174E+00	0.000E+00	0.000E+00	0.000E+00
I10	0.349E+00	0.349E+00	0.349E+00	0.000E+00	0.000E+00	0.000E+00
I1A	0.190E+00	0.190E+00	0.190E+00	0.000E+00	0.000E+00	0.000E+00
I2A	0.325E+00	0.325E+00	0.325E+00	0.000E+00	0.000E+00	0.000E+00
I2B	0.283E+00	0.283E+00	0.283E+00	0.000E+00	0.000E+00	0.000E+00
I2C	0.283E+00	0.283E+00	0.283E+00	0.000E+00	0.000E+00	0.000E+00
I3A	0.241E+00	0.241E+00	0.241E+00	0.000E+00	0.000E+00	0.000E+00
I3B	0.241E+00	0.241E+00	0.241E+00	0.000E+00	0.000E+00	0.000E+00
I3C	0.802E-01	0.802E-01	0.802E-01	0.000E+00	0.000E+00	0.000E+00
I4A	0.802E-01	0.802E-01	0.802E-01	0.000E+00	0.000E+00	0.000E+00
I6A	0.802E-01	0.802E-01	0.802E-01	0.000E+00	0.000E+00	0.000E+00
I7A	0.802E-01	0.802E-01	0.802E-01	0.000E+00	0.000E+00	0.000E+00
I7B	0.241E+00	0.241E+00	0.241E+00	0.000E+00	0.000E+00	0.000E+00
I7C	0.241E+00	0.241E+00	0.241E+00	0.000E+00	0.000E+00	0.000E+00
I8A	0.283E+00	0.283E+00	0.283E+00	0.000E+00	0.000E+00	0.000E+00
I8B	0.283E+00	0.283E+00	0.283E+00	0.000E+00	0.000E+00	0.000E+00
I8C	0.325E+00	0.325E+00	0.325E+00	0.000E+00	0.000E+00	0.000E+00
I9A	0.190E+00	0.190E+00	0.190E+00	0.000E+00	0.000E+00	0.000E+00
J10	0.349E+00	0.349E+00	0.349E+00	0.000E+00	0.000E+00	0.000E+00
K10	0.349E+00	0.349E+00	0.349E+00	0.000E+00	0.000E+00	0.000E+00
K1A	0.223E+00	0.223E+00	0.223E+00	0.000E+00	0.000E+00	0.000E+00
K1B	0.381E+00	0.381E+00	0.381E+00	0.000E+00	0.000E+00	0.000E+00
K2A	0.332E+00	0.332E+00	0.332E+00	0.000E+00	0.000E+00	0.000E+00
K2B	0.332E+00	0.332E+00	0.332E+00	0.000E+00	0.000E+00	0.000E+00
K2C	0.283E+00	0.283E+00	0.283E+00	0.000E+00	0.000E+00	0.000E+00
K3A	0.283E+00	0.283E+00	0.283E+00	0.000E+00	0.000E+00	0.000E+00
K3B	0.188E+00	0.188E+00	0.188E+00	0.000E+00	0.000E+00	0.000E+00
K7A	0.188E+00	0.188E+00	0.188E+00	0.000E+00	0.000E+00	0.000E+00
K7B	0.283E+00	0.283E+00	0.283E+00	0.000E+00	0.000E+00	0.000E+00
K8A	0.283E+00	0.283E+00	0.283E+00	0.000E+00	0.000E+00	0.000E+00
K8B	0.332E+00	0.332E+00	0.332E+00	0.000E+00	0.000E+00	0.000E+00
K8C	0.332E+00	0.332E+00	0.332E+00	0.000E+00	0.000E+00	0.000E+00
K9A	0.381E+00	0.381E+00	0.381E+00	0.000E+00	0.000E+00	0.000E+00
K9B	0.223E+00	0.223E+00	0.223E+00	0.000E+00	0.000E+00	0.000E+00
L10	0.349E+00	0.349E+00	0.349E+00	0.000E+00	0.000E+00	0.000E+00
M10	0.296E+00	0.296E+00	0.296E+00	0.000E+00	0.000E+00	0.000E+00
M3A	0.108E+00	0.108E+00	0.108E+00	0.000E+00	0.000E+00	0.000E+00
M7A	0.108E+00	0.108E+00	0.108E+00	0.000E+00	0.000E+00	0.000E+00
N10	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
N1A	0.128E+00	0.128E+00	0.128E+00	0.000E+00	0.000E+00	0.000E+00
N1B	0.219E+00	0.219E+00	0.219E+00	0.000E+00	0.000E+00	0.000E+00
N1C	0.191E+00	0.191E+00	0.191E+00	0.000E+00	0.000E+00	0.000E+00
N2A	0.191E+00	0.191E+00	0.191E+00	0.000E+00	0.000E+00	0.000E+00
N2B	0.163E+00	0.163E+00	0.163E+00	0.000E+00	0.000E+00	0.000E+00
N2C	0.163E+00	0.163E+00	0.163E+00	0.000E+00	0.000E+00	0.000E+00
N8A	0.163E+00	0.163E+00	0.163E+00	0.000E+00	0.000E+00	0.000E+00
N8B	0.163E+00	0.163E+00	0.163E+00	0.000E+00	0.000E+00	0.000E+00
N8C	0.191E+00	0.191E+00	0.191E+00	0.000E+00	0.000E+00	0.000E+00

```
     N9A  0.191E+00  0.191E+00  0.191E+00  0.000E+00  0.000E+00  0.000E+00
     N9B  0.219E+00  0.219E+00  0.219E+00  0.000E+00  0.000E+00  0.000E+00
     N9C  0.128E+00  0.128E+00  0.128E+00  0.000E+00  0.000E+00  0.000E+00
     P10  0.169E+01  0.169E+01  0.169E+01  0.000E+00  0.000E+00  0.000E+00


C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE    8
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 J O I N T   S P R I N G S

   JOINT
       1              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

   JOINT
       2              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

   JOINT
      D2              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

   JOINT
      D3              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

   JOINT
      D4              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

   JOINT
      D5              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

   JOINT
      D6              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

   JOINT
      D7              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

   JOINT
      D8              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

   JOINT
      D9              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

   JOINT
      E2              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

   JOINT
      E3              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

   JOINT
      E4              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00
```

```
JOINT
   E5              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   F2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   F3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   F8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   F9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   G2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   G3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   G4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   G5              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   G6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   G7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   G8              U1         U2         U3         R1         R2         R3
```

```
        R2                                                  0.100E+01  0.000E+00

JOINT
   G9              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   H2              U1         U2         U3         R1         R2         R3
        U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   H3              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   H8              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   H9              U1         U2         U3         R1         R2         R3
        U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   I1              U1         U2         U3         R1         R2         R3
        U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   I2              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   I3              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   I4              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   I5              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   I6              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   I7              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   I8              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   I9              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   J1              U1         U2         U3         R1         R2         R3
```

```
        U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   J2              U1         U2         U3         R1         R2         R3
        R2                                                0.100E+01  0.000E+00

JOINT
   J3              U1         U2         U3         R1         R2         R3
        R2                                                0.100E+01  0.000E+00

JOINT
   J8              U1         U2         U3         R1         R2         R3
        R2                                                0.100E+01  0.000E+00

JOINT
   J9              U1         U2         U3         R1         R2         R3
        R2                                                0.100E+01  0.000E+00

JOINT
   K1              U1         U2         U3         R1         R2         R3
        U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   K2              U1         U2         U3         R1         R2         R3
        R2                                                0.100E+01  0.000E+00

JOINT
   K3              U1         U2         U3         R1         R2         R3
        R2                                                0.100E+01  0.000E+00

JOINT
   K4              U1         U2         U3         R1         R2         R3
        R2                                                0.100E+01  0.000E+00

JOINT
   K5              U1         U2         U3         R1         R2         R3
        R2                                                0.100E+01  0.000E+00

JOINT
   K6              U1         U2         U3         R1         R2         R3
        R2                                                0.100E+01  0.000E+00

JOINT
   K7              U1         U2         U3         R1         R2         R3
        R2                                                0.100E+01  0.000E+00

JOINT
   K8              U1         U2         U3         R1         R2         R3
        R2                                                0.100E+01  0.000E+00

JOINT
   K9              U1         U2         U3         R1         R2         R3
        R2                                                0.100E+01  0.000E+00

JOINT
   L1              U1         U2         U3         R1         R2         R3
        U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   L2              U1         U2         U3         R1         R2         R3
```

```
        R2                                                  0.100E+01  0.000E+00

JOINT
   L3              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   L8              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   L9              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   M1              U1         U2         U3         R1         R2         R3
        U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   M2              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   M3              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   M4              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   M5              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   M6              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   M7              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   M8              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   M9              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   N1              U1         U2         U3         R1         R2         R3
        U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   N2              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   N3              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00
```

```
JOINT
   N8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   N9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   O4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   O7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P1              U1         U2         U3         R1         R2         R3
       U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00

JOINT
   P2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P5              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E2A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E2B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
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  E3A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E3B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E3C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E4A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E4B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E6A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E6B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E7A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E7B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E7C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E8A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E8B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G2A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G2B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G2C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G3A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00
```

```
JOINT
  G3B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G3C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G4A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G6A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G7A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G7B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G7C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G8A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G8B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G8C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I10              U1         U2         U3         R1         R2         R3
       U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00

JOINT
  I1A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I2A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I2B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I2C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I3A              U1         U2         U3         R1         R2         R3
```

```
        R2                                                  0.100E+01  0.000E+00

JOINT
  I3B              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  I3C              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  I4A              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  I6A              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  I7A              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  I7B              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  I7C              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  I8A              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  I8B              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  I8C              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  I9A              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  J10              U1         U2         U3         R1         R2         R3
        U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
  K10              U1         U2         U3         R1         R2         R3
        U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
  K1A              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  K1B              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00
```

```
JOINT
  K2A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K2B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K2C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K3A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K3B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K7A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K7B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K8A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K8B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K8C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K9A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K9B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  L10              U1         U2         U3         R1         R2         R3
       U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00

JOINT
  M10              U1         U2         U3         R1         R2         R3
       U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00

JOINT
  M3A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00
```

```
JOINT
  M7A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N10              U1         U2         U3         R1         R2         R3
       U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00

JOINT
  N1A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N1B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N1C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N2A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N2B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N2C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N8A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N8B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N8C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N9A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N9B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N9C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  P10              U1         U2         U3         R1         R2         R3
       U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00
```

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M A T E R I A L P R O P E R T Y D A T A

MAT LABEL	NUMBER TEMPS	WEIGHT PER UNIT VOL	MASS PER UNIT VOL	DESIGN CODE
STEEL	1	0.2830E+00	0.7324E-03	S
CONC	1	0.8680E-01	0.2246E-03	C
OTHER	1	0.8680E-01	0.2246E-03	N
WOOD	1	0.1852E-01	0.4793E-04	N

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T E M P E R A T U R E D E P E N D E N T D A T A

MATERIAL PROPERTIES

MAT LABEL	TEMP	MODULUS OF ELASTICITY E1	E2	E3	SHEAR MODULII G12	G13	G23
STEEL	0.00	0.290E+08	0.290E+08	0.290E+08	0.112E+08	0.112E+08	0.112E+08
CONC	0.00	0.360E+07	0.360E+07	0.360E+07	0.150E+07	0.150E+07	0.150E+07
OTHER	0.00	0.360E+07	0.360E+07	0.360E+07	0.150E+07	0.150E+07	0.150E+07
WOOD	0.00	0.140E+07	0.140E+07	0.140E+07	0.538E+06	0.538E+06	0.538E+06

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T E M P E R A T U R E D E P E N D E N T D A T A

THERMAL EXPANSION COEFFICIENTS

MAT LABEL	TEMP	COEFFICIENTS OF THERMAL EXPANSION A1	A2	A3	A12	A13	A23
STEEL	0.00	0.650E-05	0.650E-05	0.650E-05	0.000E+00	0.000E+00	0.000E+00
CONC	0.00	0.550E-05	0.550E-05	0.550E-05	0.000E+00	0.000E+00	0.000E+00
OTHER	0.00	0.550E-05	0.550E-05	0.550E-05	0.000E+00	0.000E+00	0.000E+00
WOOD	0.00	0.650E-05	0.650E-05	0.650E-05	0.000E+00	0.000E+00	0.000E+00

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T E M P E R A T U R E D E P E N D E N T D A T A

MATERIAL PROPERTIES

MAT LABEL	TEMP	POISSONS RATIO U12	U13	U23	U14	U24	U34	U15	U25	U35	U45	U16	U26	U36	U46	U56
STEEL	0.00	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CONC	0.00	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER	0.00	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WOOD	0.00	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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MATERIAL PROPERTIES

MAT LABEL	TEMP	YIELD FY
CONC	0.00	36.00

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	SHAPE TYPE	DEPTH	FLANGE WIDTH TOP	FLANGE THICK TOP	WEB THICK	FLANGE WIDTH BOTTOM	FLANGE THICK BOTTOM
2X4	R	3.500	1.500				
4X4	R	3.500	3.500				
2X6	R	5.500	1.500				
2X4X4	R	7.000	3.500				
2X2X4	R	3.500	3.000				

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	AXIAL AREA	TORSIONAL CONSTANT	MOMENTS OF INERTIA I33	I22	SHEAR AREAS A2	A3
2X4	0.525E+01	0.288E+01	0.536E+01	0.984E+00	0.438E+01	0.438E+01
4X4	0.123E+02	0.211E+02	0.125E+02	0.125E+02	0.102E+02	0.102E+02
2X6	0.825E+01	0.512E+01	0.208E+02	0.155E+01	0.688E+01	0.688E+01
2X4X4	0.245E+02	0.687E+02	0.100E+03	0.250E+02	0.204E+02	0.204E+02
2X2X4	0.105E+02	0.153E+02	0.107E+02	0.788E+01	0.875E+01	0.875E+01

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	MAT LABEL	ADDITIONAL MASS PER LENGTH	ADDITIONAL WEIGHT PER LENGTH
2X4	WOOD	0.000E+00	0.000E+00
4X4	WOOD	0.000E+00	0.000E+00
2X6	WOOD	0.000E+00	0.000E+00
2X4X4	WOOD	0.000E+00	0.000E+00
2X2X4	WOOD	0.000E+00	0.000E+00

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F R A M E E L E M E N T D A T A

ELEMENT LABEL	JOINT END-I	JOINT END-J	ELEMENT LENGTH	END-OFFSET-LENGTHS END-I	END-J	RIGID-END FACTOR	NUMBER OF SEGMENTS
1	N1	P1	91.522	0.000	0.000	0.0000	2
2	N1	N1A	6.000	0.000	0.000	0.0000	4
3	M1	N1	35.588	0.000	0.000	0.0000	2
4	L1	M1	49.604	0.000	0.000	0.0000	2
5	N1A	N1B	24.000	0.000	0.000	0.0000	4
6	P1	P2	94.625	0.000	0.000	0.0000	4
7	K1	L1	49.604	0.000	0.000	0.0000	2
8	K1	K1A	4.000	0.000	0.000	0.0000	4
9	J1	K1	49.604	0.000	0.000	0.0000	2
10	M1	M2	62.562	0.000	0.000	0.0000	4
11	N1B	N1C	24.000	0.000	0.000	0.0000	4
12	L1	L2	50.050	0.000	0.000	0.0000	4
13	I1	J1	49.604	0.000	0.000	0.0000	2
14	K1A	K1B	24.000	0.000	0.000	0.0000	4
15	J1	J2	25.025	0.000	0.000	0.0000	4
16	I1	I1A	4.000	0.000	0.000	0.0000	4
17	H2	I1	49.604	0.000	0.000	0.0000	2
18	N1C	N2	17.539	0.000	0.000	0.0000	4
19	I1A	I2	8.512	0.000	0.000	0.0000	4
20	K1B	K2	9.537	0.000	0.000	0.0000	4
21	D2	E2	15.750	0.000	0.000	0.0000	2
22	E2	F2	32.750	0.000	0.000	0.0000	2
23	F2	G2	48.000	0.000	0.000	0.0000	2
24	G2	H2	48.000	0.000	0.000	0.0000	2
25	H2	I2	48.000	0.000	0.000	0.0000	2
26	I2	J2	48.000	0.000	0.000	0.0000	2
27	J2	K2	48.000	0.000	0.000	0.0000	2
28	K2	L2	48.000	0.000	0.000	0.0000	2
29	L2	M2	48.000	0.000	0.000	0.0000	2
30	M2	N2	34.437	0.000	0.000	0.0000	2
31	N2	P2	88.563	0.000	0.000	0.0000	2
32	G2	G2A	15.000	0.000	0.000	0.0000	4
33	N2	N2A	6.461	0.000	0.000	0.0000	4
34	I2	I2A	15.488	0.000	0.000	0.0000	4
35	K2	K2A	14.463	0.000	0.000	0.0000	4
36	E2	E2A	36.000	0.000	0.000	0.0000	4
37	M2	1	39.906	0.000	0.000	0.0000	2
38	N2	1	39.906	0.000	0.000	0.0000	2
39	G2A	G2B	24.000	0.000	0.000	0.0000	4
40	N2A	N2B	24.000	0.000	0.000	0.0000	4
41	I2A	I2B	24.000	0.000	0.000	0.0000	4
42	K2A	K2B	24.000	0.000	0.000	0.0000	4
43	E3	F2	79.098	0.000	0.000	0.0000	2

45	F2	F3	72.000	0.000	0.000	0.0000	4
46	G2	H3	86.533	0.000	0.000	0.0000	2
47	H2	H3	72.000	0.000	0.000	0.0000	4
48	I2	J3	86.533	0.000	0.000	0.0000	2
49	J2	J3	72.000	0.000	0.000	0.0000	4
50	K2	L3	86.533	0.000	0.000	0.0000	2
51	L2	L3	72.000	0.000	0.000	0.0000	4
52	M2	M3	72.000	0.000	0.000	0.0000	4
53	P2	P3	72.000	0.000	0.000	0.0000	4
54	E2A	E2B	24.000	0.000	0.000	0.0000	4
55	G2B	G2C	24.000	0.000	0.000	0.0000	4
56	N2B	N2C	24.000	0.000	0.000	0.0000	4
57	I2B	I2C	24.000	0.000	0.000	0.0000	4
58	1	M3	39.906	0.000	0.000	0.0000	2
59	1	N3	39.906	0.000	0.000	0.0000	2
60	K2B	K2C	24.000	0.000	0.000	0.0000	4
61	E2B	E3	12.000	0.000	0.000	0.0000	4
62	G2C	G3	9.000	0.000	0.000	0.0000	4
63	N2C	N3	17.539	0.000	0.000	0.0000	4
64	I2C	I3	8.512	0.000	0.000	0.0000	4
65	K2C	K3	9.537	0.000	0.000	0.0000	4
66	D3	E3	15.750	0.000	0.000	0.0000	2
67	E3	F3	32.750	0.000	0.000	0.0000	2
68	F3	G3	48.000	0.000	0.000	0.0000	2
69	G3	H3	48.000	0.000	0.000	0.0000	2
70	H3	I3	48.000	0.000	0.000	0.0000	2
71	I3	J3	48.000	0.000	0.000	0.0000	2
72	J3	K3	48.000	0.000	0.000	0.0000	2
73	K3	L3	48.000	0.000	0.000	0.0000	2
74	L3	M3	48.000	0.000	0.000	0.0000	2
75	M3	N3	34.437	0.000	0.000	0.0000	2
76	N3	P3	88.563	0.000	0.000	0.0000	2
77	E3	E3A	12.000	0.000	0.000	0.0000	4
78	G3	G3A	15.000	0.000	0.000	0.0000	4
79	I3	I3A	15.488	0.000	0.000	0.0000	4
80	K3	K3A	14.463	0.000	0.000	0.0000	4
81	E3A	E3B	24.000	0.000	0.000	0.0000	4
82	G3A	G3B	24.000	0.000	0.000	0.0000	4
83	I3A	I3B	24.000	0.000	0.000	0.0000	4
86	P3	P4	72.000	0.000	0.000	0.0000	4
87	E3B	E3C	24.000	0.000	0.000	0.0000	4
88	M3	M3A	24.000	0.000	0.000	0.0000	4
89	G3B	G3C	24.000	0.000	0.000	0.0000	4
90	I3B	I3C	24.000	0.000	0.000	0.0000	4
91	E3C	E4	12.000	0.000	0.000	0.0000	4
92	G3C	G4	9.000	0.000	0.000	0.0000	4
93	I3C	I4	8.512	0.000	0.000	0.0000	4
94	D4	E4	15.750	0.000	0.000	0.0000	2
95	E4	G4	80.750	0.000	0.000	0.0000	2
96	G4	I4	96.000	0.000	0.000	0.0000	2
97	I4	K4	96.000	0.000	0.000	0.0000	2
98	K4	M4	96.000	0.000	0.000	0.0000	2
99	M4	O4	110.000	0.000	0.000	0.0000	2
100	O4	P4	13.000	0.000	0.000	0.0000	2
101	E4	E4A	12.000	0.000	0.000	0.0000	4
102	I4	I4A	12.000	0.000	0.000	0.0000	4
103	G4	G4A	26.000	0.000	0.000	0.0000	4
104	E4A	E4B	30.000	0.000	0.000	0.0000	4
106	K4	K5	72.000	0.000	0.000	0.0000	4
107	M4	M5	72.000	0.000	0.000	0.0000	4
109	P4	P5	72.000	0.000	0.000	0.0000	4
110	I4A	I5	60.000	0.000	0.000	0.0000	4
111	G4A	G5	46.000	0.000	0.000	0.0000	4

112	E4B	E5	30.000	0.000	0.000	0.0000	4
113	D5	E5	15.750	0.000	0.000	0.0000	2
114	E5	G5	80.750	0.000	0.000	0.0000	2
115	G5	I5	96.000	0.000	0.000	0.0000	2
116	I5	K5	96.000	0.000	0.000	0.0000	2
117	K5	M5	96.000	0.000	0.000	0.0000	2
118	M5	P5	123.000	0.000	0.000	0.0000	2
121	E5	E6	72.000	0.000	0.000	0.0000	4
122	G5	G6	72.000	0.000	0.000	0.0000	4
123	I5	I6	72.000	0.000	0.000	0.0000	4
124	K5	K6	72.000	0.000	0.000	0.0000	4
125	M5	M6	72.000	0.000	0.000	0.0000	4
126	P5	P6	72.000	0.000	0.000	0.0000	4
129	D6	E6	15.750	0.000	0.000	0.0000	2
130	E6	G6	80.750	0.000	0.000	0.0000	2
131	G6	I6	96.000	0.000	0.000	0.0000	2
132	I6	K6	96.000	0.000	0.000	0.0000	2
133	K6	M6	96.000	0.000	0.000	0.0000	2
134	M6	P6	123.000	0.000	0.000	0.0000	2
135	E6	E6A	30.000	0.000	0.000	0.0000	4
136	G6	G6A	46.000	0.000	0.000	0.0000	4
137	K3A	K3B	31.000	0.000	0.000	0.0000	4
139	K6	K7	72.000	0.000	0.000	0.0000	4
140	M6	M7	72.000	0.000	0.000	0.0000	4
142	P6	P7	72.000	0.000	0.000	0.0000	4
143	E6A	E6B	30.000	0.000	0.000	0.0000	4
144	G6A	G7	26.000	0.000	0.000	0.0000	4
145	E6B	E7	12.000	0.000	0.000	0.0000	4
146	D7	E7	15.750	0.000	0.000	0.0000	2
147	E7	G7	80.750	0.000	0.000	0.0000	2
148	G7	I7	96.000	0.000	0.000	0.0000	2
149	I7	K7	96.000	0.000	0.000	0.0000	2
150	K7	M7	96.000	0.000	0.000	0.0000	2
151	M7	O7	110.000	0.000	0.000	0.0000	2
152	O7	P7	13.000	0.000	0.000	0.0000	2
153	G7	G7A	9.000	0.000	0.000	0.0000	4
154	E7	E7A	12.000	0.000	0.000	0.0000	4
155	G7A	G7B	24.000	0.000	0.000	0.0000	4
156	M3A	M4	48.000	0.000	0.000	0.0000	4
157	K3B	K4	26.537	0.000	0.000	0.0000	4
158	E7A	E7B	24.000	0.000	0.000	0.0000	4
161	P7	P8	72.000	0.000	0.000	0.0000	4
162	G7B	G7C	24.000	0.000	0.000	0.0000	4
163	E7B	E7C	24.000	0.000	0.000	0.0000	4
164	K7B	K8	14.463	0.000	0.000	0.0000	4
165	I7C	I8	15.488	0.000	0.000	0.0000	4
166	G7C	G8	15.000	0.000	0.000	0.0000	4
167	E7C	E8	12.000	0.000	0.000	0.0000	4
168	D8	E8	15.750	0.000	0.000	0.0000	2
169	E8	F8	32.750	0.000	0.000	0.0000	2
170	F8	G8	48.000	0.000	0.000	0.0000	2
171	G8	H8	48.000	0.000	0.000	0.0000	2
172	H8	I8	48.000	0.000	0.000	0.0000	2
173	I8	J8	48.000	0.000	0.000	0.0000	2
174	J8	K8	48.000	0.000	0.000	0.0000	2
175	K8	L8	48.000	0.000	0.000	0.0000	2
176	L8	M8	48.000	0.000	0.000	0.0000	2
177	M8	N8	34.437	0.000	0.000	0.0000	2
178	N8	P8	88.563	0.000	0.000	0.0000	2
179	K8	K8A	9.537	0.000	0.000	0.0000	4
180	I8	I8A	8.512	0.000	0.000	0.0000	4
181	N8	N8A	17.539	0.000	0.000	0.0000	4
182	G8	G8A	9.000	0.000	0.000	0.0000	4

183	E8	E8A	12.000	0.000	0.000	0.0000	4
184	K8A	K8B	24.000	0.000	0.000	0.0000	4
185	M8	2	39.906	0.000	0.000	0.0000	2
186	N8	2	39.906	0.000	0.000	0.0000	2
187	I8A	I8B	24.000	0.000	0.000	0.0000	4
188	N8A	N8B	24.000	0.000	0.000	0.0000	4
189	G8A	G8B	24.000	0.000	0.000	0.0000	4
190	E8A	E8B	24.000	0.000	0.000	0.0000	4
191	E8	F9	79.098	0.000	0.000	0.0000	2
193	F8	F9	72.000	0.000	0.000	0.0000	4
194	H8	G9	86.533	0.000	0.000	0.0000	2
195	H8	H9	72.000	0.000	0.000	0.0000	4
196	J8	I9	86.533	0.000	0.000	0.0000	2
197	J8	J9	72.000	0.000	0.000	0.0000	4
198	L8	K9	86.533	0.000	0.000	0.0000	2
199	L8	L9	72.000	0.000	0.000	0.0000	4
200	M8	M9	72.000	0.000	0.000	0.0000	4
201	P8	P9	72.000	0.000	0.000	0.0000	4
202	K8B	K8C	24.000	0.000	0.000	0.0000	4
203	I8B	I8C	24.000	0.000	0.000	0.0000	4
204	N8B	N8C	24.000	0.000	0.000	0.0000	4
205	G8B	G8C	24.000	0.000	0.000	0.0000	4
206	2	M9	39.906	0.000	0.000	0.0000	2
207	2	N9	39.906	0.000	0.000	0.0000	2
208	E8B	E9	36.000	0.000	0.000	0.0000	4
209	K8C	K9	14.463	0.000	0.000	0.0000	4
210	I8C	I9	15.488	0.000	0.000	0.0000	4
211	N8C	N9	6.461	0.000	0.000	0.0000	4
212	G8C	G9	15.000	0.000	0.000	0.0000	4
213	D9	E9	15.750	0.000	0.000	0.0000	2
214	E9	F9	32.750	0.000	0.000	0.0000	2
215	F9	G9	48.000	0.000	0.000	0.0000	2
216	G9	H9	48.000	0.000	0.000	0.0000	2
217	H9	I9	48.000	0.000	0.000	0.0000	2
218	I9	J9	48.000	0.000	0.000	0.0000	2
219	J9	K9	48.000	0.000	0.000	0.0000	2
220	K9	L9	48.000	0.000	0.000	0.0000	2
221	L9	M9	48.000	0.000	0.000	0.0000	2
222	M9	N9	34.437	0.000	0.000	0.0000	2
223	N9	P9	88.563	0.000	0.000	0.0000	2
224	K9	K9A	9.537	0.000	0.000	0.0000	4
225	I9	I9A	8.512	0.000	0.000	0.0000	4
226	H9	I10	49.604	0.000	0.000	0.0000	2
227	N9	N9A	17.539	0.000	0.000	0.0000	4
228	I9A	I10	4.000	0.000	0.000	0.0000	4
229	J9	J10	25.025	0.000	0.000	0.0000	4
230	K9A	K9B	24.000	0.000	0.000	0.0000	4
231	I10	J10	49.604	0.000	0.000	0.0000	2
232	L9	L10	50.050	0.000	0.000	0.0000	4
233	N9A	N9B	24.000	0.000	0.000	0.0000	4
234	J10	K10	49.604	0.000	0.000	0.0000	2
235	M9	M10	62.562	0.000	0.000	0.0000	4
236	K9B	K10	4.000	0.000	0.000	0.0000	4
237	K10	L10	49.604	0.000	0.000	0.0000	2
238	N9B	N9C	24.000	0.000	0.000	0.0000	4
239	P9	P10	94.625	0.000	0.000	0.0000	4
240	L10	M10	49.604	0.000	0.000	0.0000	2
241	M10	N10	35.588	0.000	0.000	0.0000	2
242	N9C	N10	6.000	0.000	0.000	0.0000	4
243	N10	P10	91.522	0.000	0.000	0.0000	2
244	I7	I7A	8.512	0.000	0.000	0.0000	4
245	I7A	I7B	24.000	0.000	0.000	0.0000	4
246	I7B	I7C	24.000	0.000	0.000	0.0000	4

247	K7	K7A	26.537	0.000	0.000	0.0000	4
248	K7A	K7B	31.000	0.000	0.000	0.0000	4
249	M7	M7A	48.000	0.000	0.000	0.0000	4
250	M7A	M8	24.000	0.000	0.000	0.0000	4
251	I6	I6A	60.000	0.000	0.000	0.0000	4
252	I6A	I7	12.000	0.000	0.000	0.0000	4

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 18
PROGRAM:SAP2000/FILE:\EndBentDL.EKO

F R A M E E L E M E N T D A T A

ELEMENT LABEL	SECTION LABEL	LOCAL PLANE	COORD SYSTEM	PLN 1ST	PLN 2ND	PLANE JOINTA	PLANE JOINTB	COORD ANGLE
1	2X2X4	12	0	+Z	+X	0	0	0.00
2	2X6	12	0	+Z	+X	0	0	0.00
3	2X2X4	12	0	+Z	+X	0	0	0.00
4	2X2X4	12	0	+Z	+X	0	0	0.00
5	2X6	12	0	+Z	+X	0	0	0.00
6	2X6	12	0	+Z	+X	0	0	0.00
7	2X2X4	12	0	+Z	+X	0	0	0.00
8	2X4	12	0	+Z	+X	0	0	0.00
9	2X2X4	12	0	+Z	+X	0	0	0.00
10	2X4	12	0	+Z	+X	0	0	0.00
11	2X6	12	0	+Z	+X	0	0	0.00
12	2X4	12	0	+Z	+X	0	0	0.00
13	2X2X4	12	0	+Z	+X	0	0	0.00
14	2X4	12	0	+Z	+X	0	0	0.00
15	2X4	12	0	+Z	+X	0	0	0.00
16	2X4	12	0	+Z	+X	0	0	0.00
17	2X2X4	12	0	+Z	+X	0	0	0.00
18	2X6	12	0	+Z	+X	0	0	0.00
19	2X4	12	0	+Z	+X	0	0	0.00
20	2X4	12	0	+Z	+X	0	0	0.00
21	2X4X4	12	0	+Z	+X	0	0	0.00
22	2X4X4	12	0	+Z	+X	0	0	0.00
23	2X4X4	12	0	+Z	+X	0	0	0.00
24	2X4X4	12	0	+Z	+X	0	0	0.00
25	4X4	12	0	+Z	+X	0	0	0.00
26	4X4	12	0	+Z	+X	0	0	0.00
27	4X4	12	0	+Z	+X	0	0	0.00
28	4X4	12	0	+Z	+X	0	0	0.00
29	4X4	12	0	+Z	+X	0	0	0.00
30	4X4	12	0	+Z	+X	0	0	0.00
31	4X4	12	0	+Z	+X	0	0	0.00
32	2X4	12	0	+Z	+X	0	0	0.00
33	2X6	12	0	+Z	+X	0	0	0.00
34	2X4	12	0	+Z	+X	0	0	0.00
35	2X4	12	0	+Z	+X	0	0	0.00
36	2X4	12	0	+Z	+X	0	0	0.00
37	4X4	12	0	+Z	+X	0	0	0.00
38	4X4	12	0	+Z	+X	0	0	0.00
39	2X4	12	0	+Z	+X	0	0	0.00
40	2X6	12	0	+Z	+X	0	0	0.00
41	2X4	12	0	+Z	+X	0	0	0.00
42	2X4	12	0	+Z	+X	0	0	0.00
43	2X4	12	0	+Z	+X	0	0	0.00
45	2X4	12	0	+Z	+X	0	0	0.00
46	2X4	12	0	+Z	+X	0	0	0.00
47	2X4	12	0	+Z	+X	0	0	0.00

48	2X4	12	0	+Z	+X	0	0	0.00
49	2X4	12	0	+Z	+X	0	0	0.00
50	2X4	12	0	+Z	+X	0	0	0.00
51	2X4	12	0	+Z	+X	0	0	0.00
52	2X4	12	0	+Z	+X	0	0	0.00
53	2X6	12	0	+Z	+X	0	0	0.00
54	2X4	12	0	+Z	+X	0	0	0.00
55	2X4	12	0	+Z	+X	0	0	0.00
56	2X6	12	0	+Z	+X	0	0	0.00
57	2X4	12	0	+Z	+X	0	0	0.00
58	4X4	12	0	+Z	+X	0	0	0.00
59	4X4	12	0	+Z	+X	0	0	0.00
60	2X4	12	0	+Z	+X	0	0	0.00
61	2X4	12	0	+Z	+X	0	0	0.00
62	2X4	12	0	+Z	+X	0	0	0.00
63	2X6	12	0	+Z	+X	0	0	0.00
64	2X4	12	0	+Z	+X	0	0	0.00
65	2X4	12	0	+Z	+X	0	0	0.00
66	4X4	12	0	+Z	+X	0	0	0.00
67	4X4	12	0	+Z	+X	0	0	0.00
68	4X4	12	0	+Z	+X	0	0	0.00
69	4X4	12	0	+Z	+X	0	0	0.00
70	4X4	12	0	+Z	+X	0	0	0.00
71	4X4	12	0	+Z	+X	0	0	0.00
72	4X4	12	0	+Z	+X	0	0	0.00
73	4X4	12	0	+Z	+X	0	0	0.00
74	4X4	12	0	+Z	+X	0	0	0.00
75	4X4	12	0	+Z	+X	0	0	0.00
76	4X4	12	0	+Z	+X	0	0	0.00
77	2X4	12	0	+Z	+X	0	0	0.00
78	2X4	12	0	+Z	+X	0	0	0.00
79	2X4	12	0	+Z	+X	0	0	0.00
80	2X4	12	0	+Z	+X	0	0	0.00
81	2X4	12	0	+Z	+X	0	0	0.00
82	2X4	12	0	+Z	+X	0	0	0.00
83	2X4	12	0	+Z	+X	0	0	0.00
86	2X6	12	0	+Z	+X	0	0	0.00
87	2X4	12	0	+Z	+X	0	0	0.00
88	2X4	12	0	+Z	+X	0	0	0.00
89	2X4	12	0	+Z	+X	0	0	0.00
90	2X4	12	0	+Z	+X	0	0	0.00
91	2X4	12	0	+Z	+X	0	0	0.00
92	2X4	12	0	+Z	+X	0	0	0.00
93	2X4	12	0	+Z	+X	0	0	0.00
94	4X4	12	0	+Z	+X	0	0	0.00
95	4X4	12	0	+Z	+X	0	0	0.00
96	4X4	12	0	+Z	+X	0	0	0.00
97	4X4	12	0	+Z	+X	0	0	0.00
98	4X4	12	0	+Z	+X	0	0	0.00
99	4X4	12	0	+Z	+X	0	0	0.00
100	4X4	12	0	+Z	+X	0	0	0.00
101	2X4	12	0	+Z	+X	0	0	0.00
102	2X4	12	0	+Z	+X	0	0	0.00
103	2X4	12	0	+Z	+X	0	0	0.00
104	2X4	12	0	+Z	+X	0	0	0.00
106	2X4	12	0	+Z	+X	0	0	0.00
107	2X4	12	0	+Z	+X	0	0	0.00
109	2X6	12	0	+Z	+X	0	0	0.00
110	2X4	12	0	+Z	+X	0	0	0.00
111	2X4	12	0	+Z	+X	0	0	0.00
112	2X4	12	0	+Z	+X	0	0	0.00
113	4X4	12	0	+Z	+X	0	0	0.00
114	4X4	12	0	+Z	+X	0	0	0.00

115	4X4	12	0	+Z	+X	0	0	0.00
116	4X4	12	0	+Z	+X	0	0	0.00
117	4X4	12	0	+Z	+X	0	0	0.00
118	4X4	12	0	+Z	+X	0	0	0.00
121	2X4	12	0	+Z	+X	0	0	0.00
122	2X4	12	0	+Z	+X	0	0	0.00
123	2X4	12	0	+Z	+X	0	0	0.00
124	2X4	12	0	+Z	+X	0	0	0.00
125	2X4	12	0	+Z	+X	0	0	0.00
126	2X6	12	0	+Z	+X	0	0	0.00
129	4X4	12	0	+Z	+X	0	0	0.00
130	4X4	12	0	+Z	+X	0	0	0.00
131	4X4	12	0	+Z	+X	0	0	0.00
132	4X4	12	0	+Z	+X	0	0	0.00
133	4X4	12	0	+Z	+X	0	0	0.00
134	4X4	12	0	+Z	+X	0	0	0.00
135	2X4	12	0	+Z	+X	0	0	0.00
136	2X4	12	0	+Z	+X	0	0	0.00
137	2X4	12	0	+Z	+X	0	0	0.00
139	2X4	12	0	+Z	+X	0	0	0.00
140	2X4	12	0	+Z	+X	0	0	0.00
142	2X6	12	0	+Z	+X	0	0	0.00
143	2X4	12	0	+Z	+X	0	0	0.00
144	2X4	12	0	+Z	+X	0	0	0.00
145	2X4	12	0	+Z	+X	0	0	0.00
146	4X4	12	0	+Z	+X	0	0	0.00
147	4X4	12	0	+Z	+X	0	0	0.00
148	4X4	12	0	+Z	+X	0	0	0.00
149	4X4	12	0	+Z	+X	0	0	0.00
150	4X4	12	0	+Z	+X	0	0	0.00
151	4X4	12	0	+Z	+X	0	0	0.00
152	4X4	12	0	+Z	+X	0	0	0.00
153	2X4	12	0	+Z	+X	0	0	0.00
154	2X4	12	0	+Z	+X	0	0	0.00
155	2X4	12	0	+Z	+X	0	0	0.00
156	2X4	12	0	+Z	+X	0	0	0.00
157	2X4	12	0	+Z	+X	0	0	0.00
158	2X4	12	0	+Z	+X	0	0	0.00
161	2X6	12	0	+Z	+X	0	0	0.00
162	2X4	12	0	+Z	+X	0	0	0.00
163	2X4	12	0	+Z	+X	0	0	0.00
164	2X4	12	0	+Z	+X	0	0	0.00
165	2X4	12	0	+Z	+X	0	0	0.00
166	2X4	12	0	+Z	+X	0	0	0.00
167	2X4	12	0	+Z	+X	0	0	0.00
168	4X4	12	0	+Z	+X	0	0	0.00
169	4X4	12	0	+Z	+X	0	0	0.00
170	4X4	12	0	+Z	+X	0	0	0.00
171	4X4	12	0	+Z	+X	0	0	0.00
172	4X4	12	0	+Z	+X	0	0	0.00
173	4X4	12	0	+Z	+X	0	0	0.00
174	4X4	12	0	+Z	+X	0	0	0.00
175	4X4	12	0	+Z	+X	0	0	0.00
176	4X4	12	0	+Z	+X	0	0	0.00
177	4X4	12	0	+Z	+X	0	0	0.00
178	4X4	12	0	+Z	+X	0	0	0.00
179	2X4	12	0	+Z	+X	0	0	0.00
180	2X4	12	0	+Z	+X	0	0	0.00
181	2X6	12	0	+Z	+X	0	0	0.00
182	2X4	12	0	+Z	+X	0	0	0.00
183	2X4	12	0	+Z	+X	0	0	0.00
184	2X4	12	0	+Z	+X	0	0	0.00
185	4X4	12	0	+Z	+X	0	0	0.00

186	4X4	12	0	+Z	+X	0	0	0.00
187	2X4	12	0	+Z	+X	0	0	0.00
188	2X6	12	0	+Z	+X	0	0	0.00
189	2X4	12	0	+Z	+X	0	0	0.00
190	2X4	12	0	+Z	+X	0	0	0.00
191	2X4	12	0	+Z	+X	0	0	0.00
193	2X4	12	0	+Z	+X	0	0	0.00
194	2X4	12	0	+Z	+X	0	0	0.00
195	2X4	12	0	+Z	+X	0	0	0.00
196	2X4	12	0	+Z	+X	0	0	0.00
197	2X4	12	0	+Z	+X	0	0	0.00
198	2X4	12	0	+Z	+X	0	0	0.00
199	2X4	12	0	+Z	+X	0	0	0.00
200	2X4	12	0	+Z	+X	0	0	0.00
201	2X6	12	0	+Z	+X	0	0	0.00
202	2X4	12	0	+Z	+X	0	0	0.00
203	2X4	12	0	+Z	+X	0	0	0.00
204	2X6	12	0	+Z	+X	0	0	0.00
205	2X4	12	0	+Z	+X	0	0	0.00
206	4X4	12	0	+Z	+X	0	0	0.00
207	4X4	12	0	+Z	+X	0	0	0.00
208	2X4	12	0	+Z	+X	0	0	0.00
209	2X4	12	0	+Z	+X	0	0	0.00
210	2X4	12	0	+Z	+X	0	0	0.00
211	2X6	12	0	+Z	+X	0	0	0.00
212	2X4	12	0	+Z	+X	0	0	0.00
213	2X4X4	12	0	+Z	+X	0	0	0.00
214	2X4X4	12	0	+Z	+X	0	0	0.00
215	2X4X4	12	0	+Z	+X	0	0	0.00
216	2X4X4	12	0	+Z	+X	0	0	0.00
217	4X4	12	0	+Z	+X	0	0	0.00
218	4X4	12	0	+Z	+X	0	0	0.00
219	4X4	12	0	+Z	+X	0	0	0.00
220	4X4	12	0	+Z	+X	0	0	0.00
221	4X4	12	0	+Z	+X	0	0	0.00
222	4X4	12	0	+Z	+X	0	0	0.00
223	4X4	12	0	+Z	+X	0	0	0.00
224	2X4	12	0	+Z	+X	0	0	0.00
225	2X4	12	0	+Z	+X	0	0	0.00
226	2X2X4	12	0	+Z	+X	0	0	0.00
227	2X6	12	0	+Z	+X	0	0	0.00
228	2X4	12	0	+Z	+X	0	0	0.00
229	2X4	12	0	+Z	+X	0	0	0.00
230	2X4	12	0	+Z	+X	0	0	0.00
231	2X2X4	12	0	+Z	+X	0	0	0.00
232	2X4	12	0	+Z	+X	0	0	0.00
233	2X6	12	0	+Z	+X	0	0	0.00
234	2X2X4	12	0	+Z	+X	0	0	0.00
235	2X4	12	0	+Z	+X	0	0	0.00
236	2X4	12	0	+Z	+X	0	0	0.00
237	2X2X4	12	0	+Z	+X	0	0	0.00
238	2X6	12	0	+Z	+X	0	0	0.00
239	2X6	12	0	+Z	+X	0	0	0.00
240	2X2X4	12	0	+Z	+X	0	0	0.00
241	2X2X4	12	0	+Z	+X	0	0	0.00
242	2X6	12	0	+Z	+X	0	0	0.00
243	2X2X4	12	0	+Z	+X	0	0	0.00
244	2X4	12	0	+Z	+X	0	0	0.00
245	2X4	12	0	+Z	+X	0	0	0.00
246	2X4	12	0	+Z	+X	0	0	0.00
247	2X4	12	0	+Z	+X	0	0	0.00
248	2X4	12	0	+Z	+X	0	0	0.00
249	2X4	12	0	+Z	+X	0	0	0.00

250	2X4	12	0	+Z	+X	0	0	0.00
251	2X4	12	0	+Z	+X	0	0	0.00
252	2X4	12	0	+Z	+X	0	0	0.00

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 19
PROGRAM:SAP2000/FILE:\EndBentDL.EKO

F R A M E E L E M E N T D A T A

ELEMENT LABEL	END-I RELEASE CODES		END-J RELEASE CODES	
1	R2	R3	R2	R3
2	R2	R3		
3	R2	R3	R2	R3
4	R2	R3	R2	R3
6	R2	R3	R2	R3
7	R2	R3	R2	R3
8	R2	R3		
9	R2	R3	R2	R3
10	R2	R3	R2	R3
12	R2	R3	R2	R3
13	R2	R3	R2	R3
15	R2	R3	R2	R3
16	R2	R3		
17	R2	R3	R2	R3
18			R2	R3
19			R2	R3
20			R2	R3
21	R2	R3	R2	R3
22	R2	R3		
23			R2	R3
24	R2	R3	R2	R3
25	R2	R3	R2	R3
26	R2	R3	R2	R3
27	R2	R3	R2	R3
28	R2	R3	R2	R3
29	R2	R3	R2	R3
30	R2	R3	R2	R3
31	R2	R3	R2	R3
32	R2	R3		
33	R2	R3		
34	R2	R3		
35	R2	R3		
36	R2	R3		
37	R2	R3	R2	R3
38	R2	R3	R2	R3
43	R2	R3	R2	R3
45	R2	R3	R2	R3
46	R2	R3	R2	R3
47	R2	R3	R2	R3
48	R2	R3	R2	R3
49	R2	R3	R2	R3
50	R2	R3	R2	R3
51	R2	R3	R2	R3
52	R2	R3	R2	R3
53	R2	R3	R2	R3
58	R2	R3	R2	R3
59	R2	R3	R2	R3
61			R2	R3
62			R2	R3

63			R2	R3
64			R2	R3
65			R2	R3
66	R2	R3	R2	R3
67	R2	R3		
68			R2	R3
69	R2	R3	R2	R3
70	R2	R3	R2	R3
71	R2	R3	R2	R3
72	R2	R3	R2	R3
73	R2	R3	R2	R3
74	R2	R3	R2	R3
75	R2	R3	R2	R3
76	R2	R3	R2	R3
77	R2	R3		
78	R2	R3		
79	R2	R3		
80	R2	R3		
86	R2	R3	R2	R3
88	R2	R3		
91			R2	R3
92			R2	R3
93			R2	R3
94	R2	R3	R2	R3
95	R2	R3	R2	R3
96	R2	R3	R2	R3
97	R2	R3	R2	R3
98	R2	R3	R2	R3
99	R2	R3	R2	R3
100	R2	R3	R2	R3
101	R2	R3		
102	R2	R3		
103	R2	R3		
106	R2	R3	R2	R3
107	R2	R3	R2	R3
109	R2	R3	R2	R3
110			R2	R3
111			R2	R3
112			R2	R3
113	R2	R3	R2	R3
114	R2	R3	R2	R3
115	R2	R3	R2	R3
116	R2	R3	R2	R3
117	R2	R3	R2	R3
118	R2	R3	R2	R3
121	R2	R3	R2	R3
122	R2	R3	R2	R3
123	R2	R3	R2	R3
124	R2	R3	R2	R3
125	R2	R3	R2	R3
126	R2	R3	R2	R3
129	R2	R3	R2	R3
130	R2	R3	R2	R3
131	R2	R3	R2	R3
132	R2	R3	R2	R3
133	R2	R3	R2	R3
134	R2	R3	R2	R3
135	R2	R3		
136	R2	R3		
139	R2	R3	R2	R3
140	R2	R3	R2	R3
142	R2	R3	R2	R3
144			R2	R3

145			R2	R3
146	R2	R3	R2	R3
147	R2	R3	R2	R3
148	R2	R3	R2	R3
149	R2	R3	R2	R3
150	R2	R3	R2	R3
151	R2	R3	R2	R3
152	R2	R3	R2	R3
153	R2	R3		
154	R2	R3		
156			R2	R3
157			R2	R3
161	R2	R3	R2	R3
164			R2	R3
165			R2	R3
166			R2	R3
167			R2	R3
168	R2	R3	R2	R3
169	R2	R3		
170			R2	R3
171	R2	R3	R2	R3
172	R2	R3	R2	R3
173	R2	R3	R2	R3
174	R2	R3	R2	R3
175	R2	R3	R2	R3
176	R2	R3	R2	R3
177	R2	R3	R2	R3
178	R2	R3	R2	R3
179	R2	R3		
180	R2	R3		
181	R2	R3		
182	R2	R3		
183	R2	R3		
185	R2	R3	R2	R3
186	R2	R3	R2	R3
191	R2	R3	R2	R3
193	R2	R3	R2	R3
194	R2	R3	R2	R3
195	R2	R3	R2	R3
196	R2	R3	R2	R3
197	R2	R3	R2	R3
198	R2	R3	R2	R3
199	R2	R3	R2	R3
200	R2	R3	R2	R3
201	R2	R3	R2	R3
206	R2	R3	R2	R3
207	R2	R3	R2	R3
208			R2	R3
209			R2	R3
210			R2	R3
211			R2	R3
212			R2	R3
213	R2	R3	R2	R3
214	R2	R3		
215			R2	R3
216	R2	R3	R2	R3
217	R2	R3	R2	R3
218	R2	R3	R2	R3
219	R2	R3	R2	R3
220	R2	R3	R2	R3
221	R2	R3	R2	R3
222	R2	R3	R2	R3
223	R2	R3	R2	R3

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     224                      R2  R3
     225                      R2  R3
     226                      R2  R3                      R2  R3
     227                      R2  R3
     228                                                  R2  R3
     229                      R2  R3                      R2  R3
     231                      R2  R3                      R2  R3
     232                      R2  R3                      R2  R3
     234                      R2  R3                      R2  R3
     235                      R2  R3                      R2  R3
     236                                                  R2  R3
     237                      R2  R3                      R2  R3
     239                      R2  R3                      R2  R3
     240                      R2  R3                      R2  R3
     241                      R2  R3                      R2  R3
     242                                                  R2  R3
     243                      R2  R3                      R2  R3
     244                      R2  R3
     247                      R2  R3
     249                      R2  R3
     250                                                  R2  R3
     251                      R2  R3
     252                                                  R2  R3
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C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 20
PROGRAM:SAP2000/FILE:\EndBentDL.EKO

T O T A L W E I G H T S A N D M A S S E S

SECTION LABEL	WEIGHT	MASS
2X4	403.3525	1.0439
4X4	927.8803	2.4014
2X6	149.7723	0.3876
2X4X4	131.1204	0.3393
2X2X4	145.8841	0.3776
TOTAL	1758.0097	4.5498

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 21
PROGRAM:SAP2000/FILE:\EndBentDL.EKO

L O A D C O N D I T I O N DEAD

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.1000E+01

L O A D C O N D I T I O N MANIFOLD

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
N2	0.000E+00	0.000E+00	-0.189E+04	0.000E+00	0.000E+00	0.000E+00
N3	0.000E+00	0.000E+00	-0.189E+04	0.000E+00	0.000E+00	0.000E+00
N8	0.000E+00	0.000E+00	-0.189E+04	0.000E+00	0.000E+00	0.000E+00

N9	0.000E+00	0.000E+00	-0.189E+04	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N TBAR

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
E2A	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
E2B	0.000E+00	0.000E+00	-0.530E+02	0.000E+00	0.000E+00	0.000E+00
E3A	0.000E+00	0.000E+00	-0.460E+02	0.000E+00	0.000E+00	0.000E+00
E3B	0.000E+00	0.000E+00	-0.460E+02	0.000E+00	0.000E+00	0.000E+00
E3C	0.000E+00	0.000E+00	-0.390E+02	0.000E+00	0.000E+00	0.000E+00
E4A	0.000E+00	0.000E+00	-0.390E+02	0.000E+00	0.000E+00	0.000E+00
E6B	0.000E+00	0.000E+00	-0.390E+02	0.000E+00	0.000E+00	0.000E+00
E7A	0.000E+00	0.000E+00	-0.390E+02	0.000E+00	0.000E+00	0.000E+00
E7B	0.000E+00	0.000E+00	-0.460E+02	0.000E+00	0.000E+00	0.000E+00
E7C	0.000E+00	0.000E+00	-0.460E+02	0.000E+00	0.000E+00	0.000E+00
E8A	0.000E+00	0.000E+00	-0.530E+02	0.000E+00	0.000E+00	0.000E+00
E8B	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
G2A	0.000E+00	0.000E+00	-0.670E+02	0.000E+00	0.000E+00	0.000E+00
G2B	0.000E+00	0.000E+00	-0.116E+03	0.000E+00	0.000E+00	0.000E+00
G2C	0.000E+00	0.000E+00	-0.101E+03	0.000E+00	0.000E+00	0.000E+00
G3A	0.000E+00	0.000E+00	-0.101E+03	0.000E+00	0.000E+00	0.000E+00
G3B	0.000E+00	0.000E+00	-0.860E+02	0.000E+00	0.000E+00	0.000E+00
G3C	0.000E+00	0.000E+00	-0.860E+02	0.000E+00	0.000E+00	0.000E+00
G7A	0.000E+00	0.000E+00	-0.860E+02	0.000E+00	0.000E+00	0.000E+00
G7B	0.000E+00	0.000E+00	-0.860E+02	0.000E+00	0.000E+00	0.000E+00
G7C	0.000E+00	0.000E+00	-0.101E+03	0.000E+00	0.000E+00	0.000E+00
G8A	0.000E+00	0.000E+00	-0.101E+03	0.000E+00	0.000E+00	0.000E+00
G8B	0.000E+00	0.000E+00	-0.116E+03	0.000E+00	0.000E+00	0.000E+00
G8C	0.000E+00	0.000E+00	-0.670E+02	0.000E+00	0.000E+00	0.000E+00
I1A	0.000E+00	0.000E+00	-0.730E+02	0.000E+00	0.000E+00	0.000E+00
I2A	0.000E+00	0.000E+00	-0.125E+03	0.000E+00	0.000E+00	0.000E+00
I2B	0.000E+00	0.000E+00	-0.109E+03	0.000E+00	0.000E+00	0.000E+00
I2C	0.000E+00	0.000E+00	-0.109E+03	0.000E+00	0.000E+00	0.000E+00
I3A	0.000E+00	0.000E+00	-0.930E+02	0.000E+00	0.000E+00	0.000E+00
I3B	0.000E+00	0.000E+00	-0.930E+02	0.000E+00	0.000E+00	0.000E+00
I7B	0.000E+00	0.000E+00	-0.930E+02	0.000E+00	0.000E+00	0.000E+00
I7C	0.000E+00	0.000E+00	-0.930E+02	0.000E+00	0.000E+00	0.000E+00
I8A	0.000E+00	0.000E+00	-0.109E+03	0.000E+00	0.000E+00	0.000E+00
I8B	0.000E+00	0.000E+00	-0.109E+03	0.000E+00	0.000E+00	0.000E+00
I8C	0.000E+00	0.000E+00	-0.125E+03	0.000E+00	0.000E+00	0.000E+00
I9A	0.000E+00	0.000E+00	-0.730E+02	0.000E+00	0.000E+00	0.000E+00
K1A	0.000E+00	0.000E+00	-0.860E+02	0.000E+00	0.000E+00	0.000E+00
K1B	0.000E+00	0.000E+00	-0.147E+03	0.000E+00	0.000E+00	0.000E+00
K2A	0.000E+00	0.000E+00	-0.128E+03	0.000E+00	0.000E+00	0.000E+00
K2B	0.000E+00	0.000E+00	-0.128E+03	0.000E+00	0.000E+00	0.000E+00
K2C	0.000E+00	0.000E+00	-0.109E+03	0.000E+00	0.000E+00	0.000E+00
K3A	0.000E+00	0.000E+00	-0.109E+03	0.000E+00	0.000E+00	0.000E+00
K7B	0.000E+00	0.000E+00	-0.109E+03	0.000E+00	0.000E+00	0.000E+00
K8A	0.000E+00	0.000E+00	-0.109E+03	0.000E+00	0.000E+00	0.000E+00
K8B	0.000E+00	0.000E+00	-0.128E+03	0.000E+00	0.000E+00	0.000E+00
K8C	0.000E+00	0.000E+00	-0.128E+03	0.000E+00	0.000E+00	0.000E+00
K9A	0.000E+00	0.000E+00	-0.147E+03	0.000E+00	0.000E+00	0.000E+00
K9B	0.000E+00	0.000E+00	-0.860E+02	0.000E+00	0.000E+00	0.000E+00
N1A	0.000E+00	0.000E+00	-0.490E+02	0.000E+00	0.000E+00	0.000E+00
N1B	0.000E+00	0.000E+00	-0.850E+02	0.000E+00	0.000E+00	0.000E+00
N1C	0.000E+00	0.000E+00	-0.740E+02	0.000E+00	0.000E+00	0.000E+00
N2A	0.000E+00	0.000E+00	-0.740E+02	0.000E+00	0.000E+00	0.000E+00

N2B	0.000E+00	0.000E+00	-0.630E+02	0.000E+00	0.000E+00	0.000E+00
N2C	0.000E+00	0.000E+00	-0.630E+02	0.000E+00	0.000E+00	0.000E+00
N8A	0.000E+00	0.000E+00	-0.630E+02	0.000E+00	0.000E+00	0.000E+00
N8B	0.000E+00	0.000E+00	-0.630E+02	0.000E+00	0.000E+00	0.000E+00
N8C	0.000E+00	0.000E+00	-0.740E+02	0.000E+00	0.000E+00	0.000E+00
N9A	0.000E+00	0.000E+00	-0.740E+02	0.000E+00	0.000E+00	0.000E+00
N9B	0.000E+00	0.000E+00	-0.850E+02	0.000E+00	0.000E+00	0.000E+00
N9C	0.000E+00	0.000E+00	-0.490E+02	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N TOPCOVER

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
P1	0.000E+00	0.000E+00	-0.437E+03	0.000E+00	0.000E+00	0.000E+00
P2	0.000E+00	0.000E+00	-0.873E+03	0.000E+00	0.000E+00	0.000E+00
P3	0.000E+00	0.000E+00	-0.873E+03	0.000E+00	0.000E+00	0.000E+00
P4	0.000E+00	0.000E+00	-0.873E+03	0.000E+00	0.000E+00	0.000E+00
P5	0.000E+00	0.000E+00	-0.873E+03	0.000E+00	0.000E+00	0.000E+00
P6	0.000E+00	0.000E+00	-0.873E+03	0.000E+00	0.000E+00	0.000E+00
P7	0.000E+00	0.000E+00	-0.873E+03	0.000E+00	0.000E+00	0.000E+00
P8	0.000E+00	0.000E+00	-0.873E+03	0.000E+00	0.000E+00	0.000E+00
P9	0.000E+00	0.000E+00	-0.873E+03	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.437E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N PEWALLS

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
D2	0.000E+00	0.000E+00	-0.100E+02	0.000E+00	0.000E+00	0.000E+00
D3	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
D4	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
D5	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
D6	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
D7	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
D8	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
D9	0.000E+00	0.000E+00	-0.100E+02	0.000E+00	0.000E+00	0.000E+00
E2	0.000E+00	0.000E+00	-0.300E+02	0.000E+00	0.000E+00	0.000E+00
E3	0.000E+00	0.000E+00	-0.610E+02	0.000E+00	0.000E+00	0.000E+00
E4	0.000E+00	0.000E+00	-0.121E+03	0.000E+00	0.000E+00	0.000E+00
E5	0.000E+00	0.000E+00	-0.121E+03	0.000E+00	0.000E+00	0.000E+00
E6	0.000E+00	0.000E+00	-0.121E+03	0.000E+00	0.000E+00	0.000E+00
E7	0.000E+00	0.000E+00	-0.121E+03	0.000E+00	0.000E+00	0.000E+00
E8	0.000E+00	0.000E+00	-0.610E+02	0.000E+00	0.000E+00	0.000E+00
E9	0.000E+00	0.000E+00	-0.300E+02	0.000E+00	0.000E+00	0.000E+00
F2	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00
F3	0.000E+00	0.000E+00	-0.101E+03	0.000E+00	0.000E+00	0.000E+00
F8	0.000E+00	0.000E+00	-0.101E+03	0.000E+00	0.000E+00	0.000E+00
F9	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00
G2	0.000E+00	0.000E+00	-0.600E+02	0.000E+00	0.000E+00	0.000E+00
G3	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
G4	0.000E+00	0.000E+00	-0.221E+03	0.000E+00	0.000E+00	0.000E+00
G5	0.000E+00	0.000E+00	-0.221E+03	0.000E+00	0.000E+00	0.000E+00
G6	0.000E+00	0.000E+00	-0.221E+03	0.000E+00	0.000E+00	0.000E+00

G7	0.000E+00	0.000E+00	-0.221E+03	0.000E+00	0.000E+00	0.000E+00
G8	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
G9	0.000E+00	0.000E+00	-0.600E+02	0.000E+00	0.000E+00	0.000E+00
H2	0.000E+00	0.000E+00	-0.600E+02	0.000E+00	0.000E+00	0.000E+00
H3	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
H8	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
H9	0.000E+00	0.000E+00	-0.600E+02	0.000E+00	0.000E+00	0.000E+00
I1	0.000E+00	0.000E+00	-0.600E+02	0.000E+00	0.000E+00	0.000E+00
I2	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
I3	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
I4	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
I5	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
I6	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
I7	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
I8	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
I9	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
J1	0.000E+00	0.000E+00	-0.600E+02	0.000E+00	0.000E+00	0.000E+00
J2	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
J3	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
J8	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
J9	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
K1	0.000E+00	0.000E+00	-0.600E+02	0.000E+00	0.000E+00	0.000E+00
K2	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
K3	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
K4	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
K5	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
K6	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
K7	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
K8	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
K9	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
L1	0.000E+00	0.000E+00	-0.600E+02	0.000E+00	0.000E+00	0.000E+00
L2	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
L3	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
L8	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
L9	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
M1	0.000E+00	0.000E+00	-0.510E+02	0.000E+00	0.000E+00	0.000E+00
M2	0.000E+00	0.000E+00	-0.102E+03	0.000E+00	0.000E+00	0.000E+00
M3	0.000E+00	0.000E+00	-0.102E+03	0.000E+00	0.000E+00	0.000E+00
M4	0.000E+00	0.000E+00	-0.274E+03	0.000E+00	0.000E+00	0.000E+00
M5	0.000E+00	0.000E+00	-0.274E+03	0.000E+00	0.000E+00	0.000E+00
M6	0.000E+00	0.000E+00	-0.274E+03	0.000E+00	0.000E+00	0.000E+00
M7	0.000E+00	0.000E+00	-0.274E+03	0.000E+00	0.000E+00	0.000E+00
M8	0.000E+00	0.000E+00	-0.102E+03	0.000E+00	0.000E+00	0.000E+00
M9	0.000E+00	0.000E+00	-0.102E+03	0.000E+00	0.000E+00	0.000E+00
N1	0.000E+00	0.000E+00	-0.770E+02	0.000E+00	0.000E+00	0.000E+00
N2	0.000E+00	0.000E+00	-0.154E+03	0.000E+00	0.000E+00	0.000E+00
N3	0.000E+00	0.000E+00	-0.154E+03	0.000E+00	0.000E+00	0.000E+00
N8	0.000E+00	0.000E+00	-0.154E+03	0.000E+00	0.000E+00	0.000E+00
N9	0.000E+00	0.000E+00	-0.154E+03	0.000E+00	0.000E+00	0.000E+00
O4	0.000E+00	0.000E+00	-0.112E+03	0.000E+00	0.000E+00	0.000E+00
O7	0.000E+00	0.000E+00	-0.112E+03	0.000E+00	0.000E+00	0.000E+00
P1	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00
P2	0.000E+00	0.000E+00	-0.112E+03	0.000E+00	0.000E+00	0.000E+00
P3	0.000E+00	0.000E+00	-0.112E+03	0.000E+00	0.000E+00	0.000E+00
P4	0.000E+00	0.000E+00	-0.160E+02	0.000E+00	0.000E+00	0.000E+00
P5	0.000E+00	0.000E+00	-0.112E+03	0.000E+00	0.000E+00	0.000E+00
P6	0.000E+00	0.000E+00	-0.112E+03	0.000E+00	0.000E+00	0.000E+00
P7	0.000E+00	0.000E+00	-0.160E+02	0.000E+00	0.000E+00	0.000E+00
P8	0.000E+00	0.000E+00	-0.112E+03	0.000E+00	0.000E+00	0.000E+00
P9	0.000E+00	0.000E+00	-0.112E+03	0.000E+00	0.000E+00	0.000E+00
I10	0.000E+00	0.000E+00	-0.600E+02	0.000E+00	0.000E+00	0.000E+00
J10	0.000E+00	0.000E+00	-0.600E+02	0.000E+00	0.000E+00	0.000E+00
K10	0.000E+00	0.000E+00	-0.600E+02	0.000E+00	0.000E+00	0.000E+00

L10	0.000E+00	0.000E+00	-0.600E+02	0.000E+00	0.000E+00	0.000E+00
M10	0.000E+00	0.000E+00	-0.510E+02	0.000E+00	0.000E+00	0.000E+00
N10	0.000E+00	0.000E+00	-0.770E+02	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N HOTBASIN

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
N1	0.000E+00	0.000E+00	-0.414E+03	0.000E+00	0.000E+00	0.000E+00
N2	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N3	0.000E+00	0.000E+00	-0.414E+03	0.000E+00	0.000E+00	0.000E+00
N8	0.000E+00	0.000E+00	-0.414E+03	0.000E+00	0.000E+00	0.000E+00
N9	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N10	0.000E+00	0.000E+00	-0.414E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N DRIFTELM

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
E4B	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
E6A	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
G4A	0.000E+00	0.000E+00	-0.570E+02	0.000E+00	0.000E+00	0.000E+00
G6A	0.000E+00	0.000E+00	-0.570E+02	0.000E+00	0.000E+00	0.000E+00
I3C	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
I4A	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
I6A	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
I7A	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
K3B	0.000E+00	0.000E+00	-0.730E+02	0.000E+00	0.000E+00	0.000E+00
K7A	0.000E+00	0.000E+00	-0.730E+02	0.000E+00	0.000E+00	0.000E+00
M3A	0.000E+00	0.000E+00	-0.420E+02	0.000E+00	0.000E+00	0.000E+00
M7A	0.000E+00	0.000E+00	-0.420E+02	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N FANMOTOR

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

L O A D C O N D I T I O N CABLETRY

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
G9	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
H9	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
I9	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
J9	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
K9	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
L9	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
M9	0.000E+00	0.000E+00	-0.204E+03	0.000E+00	0.000E+00	0.000E+00

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     N9  0.000E+00  0.000E+00 -0.308E+03  0.000E+00  0.000E+00  0.000E+00
     P9  0.000E+00  0.000E+00 -0.314E+03  0.000E+00  0.000E+00  0.000E+00
    P10  0.000E+00  0.000E+00 -0.900E+02  0.000E+00  0.000E+00  0.000E+00

 L O A D   C O N D I T I O N   LOUVERWL

 SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

 JOINT FORCES IN LOCAL COORDINATES

   JOINT      FORCE      FORCE      FORCE     MOMENT     MOMENT     MOMENT
   LABEL          1          2          3          1          2          3

     D2  0.000E+00  0.000E+00 -0.120E+02  0.000E+00  0.000E+00  0.000E+00
     D9  0.000E+00  0.000E+00 -0.120E+02  0.000E+00  0.000E+00  0.000E+00
     E2  0.000E+00  0.000E+00 -0.370E+02  0.000E+00  0.000E+00  0.000E+00
     E9  0.000E+00  0.000E+00 -0.370E+02  0.000E+00  0.000E+00  0.000E+00
     F2  0.000E+00  0.000E+00 -0.610E+02  0.000E+00  0.000E+00  0.000E+00
     F9  0.000E+00  0.000E+00 -0.610E+02  0.000E+00  0.000E+00  0.000E+00
     G2  0.000E+00  0.000E+00 -0.720E+02  0.000E+00  0.000E+00  0.000E+00
     G9  0.000E+00  0.000E+00 -0.720E+02  0.000E+00  0.000E+00  0.000E+00
     H2  0.000E+00  0.000E+00 -0.740E+02  0.000E+00  0.000E+00  0.000E+00
     H9  0.000E+00  0.000E+00 -0.740E+02  0.000E+00  0.000E+00  0.000E+00
     I1  0.000E+00  0.000E+00 -0.750E+02  0.000E+00  0.000E+00  0.000E+00
     J1  0.000E+00  0.000E+00 -0.750E+02  0.000E+00  0.000E+00  0.000E+00
     K1  0.000E+00  0.000E+00 -0.750E+02  0.000E+00  0.000E+00  0.000E+00
     L1  0.000E+00  0.000E+00 -0.750E+02  0.000E+00  0.000E+00  0.000E+00
     M1  0.000E+00  0.000E+00 -0.630E+02  0.000E+00  0.000E+00  0.000E+00
     N1  0.000E+00  0.000E+00 -0.960E+02  0.000E+00  0.000E+00  0.000E+00
     P1  0.000E+00  0.000E+00 -0.700E+02  0.000E+00  0.000E+00  0.000E+00
    I10  0.000E+00  0.000E+00 -0.750E+02  0.000E+00  0.000E+00  0.000E+00
    J10  0.000E+00  0.000E+00 -0.750E+02  0.000E+00  0.000E+00  0.000E+00
    K10  0.000E+00  0.000E+00 -0.750E+02  0.000E+00  0.000E+00  0.000E+00
    L10  0.000E+00  0.000E+00 -0.750E+02  0.000E+00  0.000E+00  0.000E+00
    M10  0.000E+00  0.000E+00 -0.630E+02  0.000E+00  0.000E+00  0.000E+00
    N10  0.000E+00  0.000E+00 -0.960E+02  0.000E+00  0.000E+00  0.000E+00
    P10  0.000E+00  0.000E+00 -0.700E+02  0.000E+00  0.000E+00  0.000E+00

 L O A D   C O N D I T I O N   SECDIST

 SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00


C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE   22
                                          PROGRAM:SAP2000/FILE:\EndBentDL.EKO


 L O A D   C O M B I N A T I O N   M U L T I P L I E R S

 COMBO LABEL              DEADLOAD
 COMBO TYPE                    ABS

                 LOAD MODE    SPEC    HIST    MOVE   COMBO     SCALE
                LABEL  NUM   LABEL   LABEL   LABEL   LABEL    FACTOR

                 DEAD                                          1.000
             MANIFOLD                                          1.000
                 TBAR                                          1.000
             TOPCOVER                                          1.000
              PEWALLS                                          1.000
             HOTBASIN                                          1.000
             DRIFTELM                                          1.000
             FANMOTOR                                          1.000
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             CABLETRY                                        1.000
             LOUVERWL                                        1.000
              SECDIST                                        1.000

C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE   23
                                          PROGRAM:SAP2000/FILE:\EndBentDL.EKO

 O U T P U T   S E L E C T I O N

 DISPLACEMENTS AT JOINTS

      LOAD     MODES      SPEC      HIST      MOVE      COMB
     LABEL               LABEL     LABEL     LABEL     LABEL

                                                       DEADLOAD

 REACTIONS AT JOINTS

      LOAD     MODES      SPEC      HIST      MOVE      COMB
     LABEL               LABEL     LABEL     LABEL     LABEL

      DEAD
  MANIFOLD
      TBAR
  TOPCOVER
   PEWALLS
  HOTBASIN
  DRIFTELM
  FANMOTOR
  CABLETRY
  LOUVERWL
   SECDIST
                                                       DEADLOAD

 INTERNAL FORCES AT ELEMENT FRAME

      LOAD     MODES      SPEC      HIST      MOVE      COMB
     LABEL               LABEL     LABEL     LABEL     LABEL

                                                       DEADLOAD

C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE   24
                                          PROGRAM:SAP2000/FILE:\EndBentDL.EKO

 I N P U T   C O M P L E T E
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Program SAP2000 Nonlinear Version 7.40                    File:End Bent DL.LOG



B E G I N   A N A L Y S I S                               2005/04/05  13:22:38

MAXIMUM MEMORY BLOCK SIZE (BYTES)         =       7.629 MB


E L E M E N T   F O R M A T I O N                                     13:22:38

NUMBER OF JOINT  ELEMENTS FORMED          =         164
NUMBER OF SPRING ELEMENTS FORMED          =         166
NUMBER OF FRAME  ELEMENTS FORMED          =         238
NUMBER OF CONSTRAINTS FORMED              =           2


E Q U A T I O N   S O L U T I O N                                     13:22:39

TOTAL NUMBER OF EQUILIBRIUM EQUATIONS     =         480
APPROXIMATE "EFFECTIVE" BAND WIDTH        =          19

NUMBER OF EQUATION STORAGE BLOCKS         =           1
MAXIMUM BLOCK SIZE (8-BYTE TERMS)         =        9368
SIZE OF STIFFNESS FILE(S) (BYTES)         =      75.078 KB

NUMBER OF EQUATIONS TO SOLVE              =         480
NUMBER OF STATIC LOAD CASES               =          11
NUMBER OF ACCELERATION LOADS              =           6
NUMBER OF NONLINEAR DEFORMATION LOADS     =           0


J O I N T   O U T P U T                                               13:22:40

G L O B A L   F O R C E   B A L A N C E   R E L A T I V E   E R R O R S

PERCENT FORCE AND MOMENT ERROR AT THE ORIGIN, IN GLOBAL COORDINATES

   LOAD          FX          FY          FZ          MX          MY          MZ
   DEAD    2.14E-15    3.54E-32    1.94E-14    1.10E-14    6.16E-14    6.83E-16
MANIFOLD    8.00E-15     .000000    1.80E-14    4.08E-15    1.31E-13    2.55E-15
   TBAR    4.58E-15     .000000    1.80E-14     .000000    7.96E-14    1.46E-15
TOPCOVER    2.68E-15     .000000     .000000    1.97E-15    7.07E-14    8.54E-16
 PEWALLS    7.42E-15     .000000    8.70E-15     .000000    5.33E-14    2.37E-15
HOTBASIN    1.00E-13     .000000    4.12E-14    1.63E-14    5.61E-14    3.19E-14
DRIFTELM    4.63E-14     .000000    1.09E-14    3.72E-15    4.46E-14    1.48E-14
FANMOTOR     .000000     .000000     .000000     .000000     .000000     .000000
CABLETRY    1.29E-12     .000000    4.51E-13    1.01E-13    5.85E-14    2.86E-13
LOUVERWL    1.44E-14     .000000    2.90E-14    1.23E-14    1.28E-13    4.58E-15
 SECDIST     .000000     .000000     .000000     .000000     .000000     .000000

 COMB MAX/MIN     FX          FY          FZ          MX          MY          MZ
DEADLOAD    9.76E-14    1.54E-33    4.26E-14    1.29E-14    8.02E-14    3.11E-14
DEADLOAD    9.76E-14    1.54E-33    4.26E-14    1.29E-14    8.02E-14    3.11E-14


E L E M E N T   J O I N T - F O R C E   O U T P U T                   13:22:41

NUMBER OF JOINT  ELEMENTS SAVED           =         164
NUMBER OF FRAME  ELEMENTS SAVED           =         238
NUMBER OF SPRING ELEMENTS SAVED           =         166
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E L E M E N T   O U T P U T                                          13:22:42

NUMBER OF FRAME  ELEMENTS SAVED          =        238
NUMBER OF FRAME  ELEMENTS PRINTED        =        238


A N A L Y S I S   C O M P L E T E                        2005/04/05  13:22:44
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S A P 2 0 0 0 (R)

Structural Analysis Programs

Nonlinear Version 7.40

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D I S P L A C E M E N T D E G R E E S O F F R E E D O M

(A) = Active DOF, equilibrium equation
(-) = Restrained DOF, reaction computed
(+) = Constrained DOF
(>) = External substructure DOF
( ) = Null DOF

JOINTS	UX	UY	UZ	RX	RY	RZ
1 TO 2	A		A		A	
D2 TO D9	-	-	-		A	
E2 TO N9	A		A		A	
O4 TO O7	+		A		A	
P1 TO P3	A		A		A	
P4	+		A		A	
P5 TO P6	A		A		A	
P7	+		A		A	
P8 TO P10	A		A		A	

CONSTRAINTS	U1	U2	U3	R1	R2	R3
PO4 TO PO7	A					

A S S E M B L E D J O I N T M A S S E S

IN GLOBAL COORDINATES

JOINT	UX	UY	UZ	RX	RY	RZ
1	0.046857	0.046857	0.046857	.000000	.000000	.000000
2	0.046857	0.046857	0.046857	.000000	.000000	.000000
D2	0.065447	0.065447	0.065447	.000000	.000000	.000000
D3	0.055623	0.055623	0.055623	.000000	.000000	.000000
D4	0.055623	0.055623	0.055623	.000000	.000000	.000000

D5	0.055623	0.055623	0.055623	.000000	.000000	.000000
D6	0.055623	0.055623	0.055623	.000000	.000000	.000000
D7	0.055623	0.055623	0.055623	.000000	.000000	.000000
D8	0.055623	0.055623	0.055623	.000000	.000000	.000000
D9	0.065447	0.065447	0.065447	.000000	.000000	.000000
E2	0.206103	0.206103	0.206103	.000000	.000000	.000000
E3	0.184108	0.184108	0.184108	.000000	.000000	.000000
E4	0.343547	0.343547	0.343547	.000000	.000000	.000000
E5	0.353360	0.353360	0.353360	.000000	.000000	.000000
E6	0.353360	0.353360	0.353360	.000000	.000000	.000000
E7	0.343547	0.343547	0.343547	.000000	.000000	.000000
E8	0.184108	0.184108	0.184108	.000000	.000000	.000000
E9	0.206103	0.206103	0.206103	.000000	.000000	.000000
F2	0.354717	0.354717	0.354717	.000000	.000000	.000000
F3	0.293962	0.293962	0.293962	.000000	.000000	.000000
F8	0.293962	0.293962	0.293962	.000000	.000000	.000000
F9	0.354717	0.354717	0.354717	.000000	.000000	.000000
G2	0.411835	0.411835	0.411835	.000000	.000000	.000000
G3	0.341800	0.341800	0.341800	.000000	.000000	.000000
G4	0.628088	0.628088	0.628088	.000000	.000000	.000000
G5	0.638530	0.638530	0.638530	.000000	.000000	.000000
G6	0.638530	0.638530	0.638530	.000000	.000000	.000000
G7	0.628088	0.628088	0.628088	.000000	.000000	.000000
G8	0.341800	0.341800	0.341800	.000000	.000000	.000000
G9	1.032935	1.032935	1.032935	.000000	.000000	.000000
H2	0.409610	0.409610	0.409610	.000000	.000000	.000000
H3	0.358725	0.358725	0.358725	.000000	.000000	.000000
H8	0.358725	0.358725	0.358725	.000000	.000000	.000000
H9	1.030810	1.030810	1.030810	.000000	.000000	.000000
I1	0.374465	0.374465	0.374465	.000000	.000000	.000000
I2	0.352686	0.352686	0.352686	.000000	.000000	.000000
I3	0.341800	0.341800	0.341800	.000000	.000000	.000000
I4	0.680042	0.680042	0.680042	.000000	.000000	.000000
I5	0.694068	0.694068	0.694068	.000000	.000000	.000000
I6	0.694068	0.694068	0.694068	.000000	.000000	.000000
I7	0.680042	0.680042	0.680042	.000000	.000000	.000000
I8	0.341800	0.341800	0.341800	.000000	.000000	.000000
I9	0.973786	0.973786	0.973786	.000000	.000000	.000000
J1	0.377110	0.377110	0.377110	.000000	.000000	.000000
J2	0.350987	0.350987	0.350987	.000000	.000000	.000000
J3	0.358725	0.358725	0.358725	.000000	.000000	.000000
J8	0.358725	0.358725	0.358725	.000000	.000000	.000000
J9	0.972087	0.972087	0.972087	.000000	.000000	.000000
K1	0.374465	0.374465	0.374465	.000000	.000000	.000000
K2	0.352686	0.352686	0.352686	.000000	.000000	.000000
K3	0.341800	0.341800	0.341800	.000000	.000000	.000000
K4	0.689858	0.689858	0.689858	.000000	.000000	.000000
K5	0.695577	0.695577	0.695577	.000000	.000000	.000000
K6	0.695577	0.695577	0.695577	.000000	.000000	.000000
K7	0.689858	0.689858	0.689858	.000000	.000000	.000000
K8	0.341800	0.341800	0.341800	.000000	.000000	.000000
K9	0.973786	0.973786	0.973786	.000000	.000000	.000000
L1	0.380259	0.380259	0.380259	.000000	.000000	.000000
L2	0.354135	0.354135	0.354135	.000000	.000000	.000000
L3	0.358725	0.358725	0.358725	.000000	.000000	.000000
L8	0.358725	0.358725	0.358725	.000000	.000000	.000000
L9	0.975235	0.975235	0.975235	.000000	.000000	.000000
M1	0.325306	0.325306	0.325306	.000000	.000000	.000000
M2	0.316243	0.316243	0.316243	.000000	.000000	.000000
M3	0.311391	0.311391	0.311391	.000000	.000000	.000000
M4	0.784068	0.784068	0.784068	.000000	.000000	.000000
M5	0.790903	0.790903	0.790903	.000000	.000000	.000000
M6	0.790903	0.790903	0.790903	.000000	.000000	.000000

M7	0.784068	0.784068	0.784068	.000000	.000000	.000000
M8	0.311391	0.311391	0.311391	.000000	.000000	.000000
M9	0.843143	0.843143	0.843143	.000000	.000000	.000000
N1	1.551669	1.551669	1.551669	.000000	.000000	.000000
N2	7.494766	7.494766	7.494766	.000000	.000000	.000000
N3	6.422088	6.422088	6.422088	.000000	.000000	.000000
N8	6.422088	6.422088	6.422088	.000000	.000000	.000000
N9	8.290566	8.290566	8.290566	.000000	.000000	.000000
O4	0.325806	0.325806	0.325806	.000000	.000000	.000000
O7	0.325806	0.325806	0.325806	.000000	.000000	.000000
P1	1.497335	1.497335	1.497335	.000000	.000000	.000000
P2	2.608739	2.608739	2.608739	.000000	.000000	.000000
P3	2.604266	2.604266	2.604266	.000000	.000000	.000000
P4	2.334384	2.334384	2.334384	.000000	.000000	.000000
P5	2.614375	2.614375	2.614375	.000000	.000000	.000000
P6	2.614375	2.614375	2.614375	.000000	.000000	.000000
P7	2.334384	2.334384	2.334384	.000000	.000000	.000000
P8	2.604266	2.604266	2.604266	.000000	.000000	.000000
P9	2.841639	2.841639	2.841639	.000000	.000000	.000000
E2A	0.087248	0.087248	0.087248	.000000	.000000	.000000
E2B	0.141129	0.141129	0.141129	.000000	.000000	.000000
E3A	0.123529	0.123529	0.123529	.000000	.000000	.000000
E3B	0.125039	0.125039	0.125039	.000000	.000000	.000000
E3C	0.106029	0.106029	0.106029	.000000	.000000	.000000
E4A	0.106784	0.106784	0.106784	.000000	.000000	.000000
E4B	0.075048	0.075048	0.075048	.000000	.000000	.000000
E6A	0.075048	0.075048	0.075048	.000000	.000000	.000000
E6B	0.106784	0.106784	0.106784	.000000	.000000	.000000
E7A	0.106029	0.106029	0.106029	.000000	.000000	.000000
E7B	0.125039	0.125039	0.125039	.000000	.000000	.000000
E7C	0.123529	0.123529	0.123529	.000000	.000000	.000000
E8A	0.141129	0.141129	0.141129	.000000	.000000	.000000
E8B	0.087248	0.087248	0.087248	.000000	.000000	.000000
G2A	0.179306	0.179306	0.179306	.000000	.000000	.000000
G2B	0.305039	0.305039	0.305039	.000000	.000000	.000000
G2C	0.264752	0.264752	0.264752	.000000	.000000	.000000
G3A	0.265506	0.265506	0.265506	.000000	.000000	.000000
G3B	0.228239	0.228239	0.228239	.000000	.000000	.000000
G3C	0.226352	0.226352	0.226352	.000000	.000000	.000000
G4A	0.156758	0.156758	0.156758	.000000	.000000	.000000
G6A	0.156758	0.156758	0.156758	.000000	.000000	.000000
G7A	0.226352	0.226352	0.226352	.000000	.000000	.000000
G7B	0.228239	0.228239	0.228239	.000000	.000000	.000000
G7C	0.265506	0.265506	0.265506	.000000	.000000	.000000
G8A	0.264752	0.264752	0.264752	.000000	.000000	.000000
G8B	0.305039	0.305039	0.305039	.000000	.000000	.000000
G8C	0.179306	0.179306	0.179306	.000000	.000000	.000000
I10	0.374465	0.374465	0.374465	.000000	.000000	.000000
I1A	0.191074	0.191074	0.191074	.000000	.000000	.000000
I2A	0.329768	0.329768	0.329768	.000000	.000000	.000000
I2B	0.289139	0.289139	0.289139	.000000	.000000	.000000
I2C	0.287190	0.287190	0.287190	.000000	.000000	.000000
I3A	0.246268	0.246268	0.246268	.000000	.000000	.000000
I3B	0.247339	0.247339	0.247339	.000000	.000000	.000000
I3C	0.084290	0.084290	0.084290	.000000	.000000	.000000
I4A	0.089258	0.089258	0.089258	.000000	.000000	.000000
I6A	0.089258	0.089258	0.089258	.000000	.000000	.000000
I7A	0.084290	0.084290	0.084290	.000000	.000000	.000000
I7B	0.247339	0.247339	0.247339	.000000	.000000	.000000
I7C	0.246268	0.246268	0.246268	.000000	.000000	.000000
I8A	0.287190	0.287190	0.287190	.000000	.000000	.000000
I8B	0.289139	0.289139	0.289139	.000000	.000000	.000000
I8C	0.329768	0.329768	0.329768	.000000	.000000	.000000

I9A	0.191074	0.191074	0.191074	.000000	.000000	.000000
J10	0.377110	0.377110	0.377110	.000000	.000000	.000000
K10	0.374465	0.374465	0.374465	.000000	.000000	.000000
K1A	0.226023	0.226023	0.226023	.000000	.000000	.000000
K1B	0.385619	0.385619	0.385619	.000000	.000000	.000000
K2A	0.337239	0.337239	0.337239	.000000	.000000	.000000
K2B	0.338439	0.338439	0.338439	.000000	.000000	.000000
K2C	0.287619	0.287619	0.287619	.000000	.000000	.000000
K3A	0.289120	0.289120	0.289120	.000000	.000000	.000000
K3B	0.195639	0.195639	0.195639	.000000	.000000	.000000
K7A	0.195639	0.195639	0.195639	.000000	.000000	.000000
K7B	0.289120	0.289120	0.289120	.000000	.000000	.000000
K8A	0.287619	0.287619	0.287619	.000000	.000000	.000000
K8B	0.338439	0.338439	0.338439	.000000	.000000	.000000
K8C	0.337239	0.337239	0.337239	.000000	.000000	.000000
K9A	0.385619	0.385619	0.385619	.000000	.000000	.000000
K9B	0.226023	0.226023	0.226023	.000000	.000000	.000000
L10	0.380259	0.380259	0.380259	.000000	.000000	.000000
M10	0.325306	0.325306	0.325306	.000000	.000000	.000000
M3A	0.117258	0.117258	0.117258	.000000	.000000	.000000
M7A	0.117258	0.117258	0.117258	.000000	.000000	.000000
N10	1.551669	1.551669	1.551669	.000000	.000000	.000000
N1A	0.133631	0.133631	0.133631	.000000	.000000	.000000
N1B	0.228489	0.228489	0.228489	.000000	.000000	.000000
N1C	0.199012	0.199012	0.199012	.000000	.000000	.000000
N2A	0.196822	0.196822	0.196822	.000000	.000000	.000000
N2B	0.172189	0.172189	0.172189	.000000	.000000	.000000
N2C	0.170912	0.170912	0.170912	.000000	.000000	.000000
N8A	0.170912	0.170912	0.170912	.000000	.000000	.000000
N8B	0.172189	0.172189	0.172189	.000000	.000000	.000000
N8C	0.196822	0.196822	0.196822	.000000	.000000	.000000
N9A	0.199012	0.199012	0.199012	.000000	.000000	.000000
N9B	0.228489	0.228489	0.228489	.000000	.000000	.000000
N9C	0.133631	0.133631	0.133631	.000000	.000000	.000000
P10	1.730235	1.730235	1.730235	.000000	.000000	.000000

T O T A L A S S E M B L E D J O I N T M A S S E S

IN GLOBAL COORDINATES

	UX	UY	UZ	RX	RY	RZ
TOTAL	104.105965	104.105965	104.105965	.000000	.000000	.000000

T O T A L A C C E L E R A T E D M A S S A N D L O C A T I O N

TOTAL MASS ACTIVATED BY ACCELERATION LOADS, IN GLOBAL COORDINATES

	UX	UY	UZ
MASS	103.641331	.000000	103.641331
X-LOC	360.247640	.000000	360.247640
Y-LOC	120.000000	.000000	120.000000
Z-LOC	495.977859	.000000	495.977859

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J O I N T D I S P L A C E M E N T S

TRANSLATIONS AND ROTATIONS, IN GLOBAL COORDINATES

COMBDEADLOAD ---------- MAX

JOINT	UX	UY	UZ	RY
1	0.013363	.000000	0.107498	.000000
2	0.013129	.000000	0.121779	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	0.121837	.000000	0.003615	.000000
E3	0.122371	.000000	0.005580	.000000
E4	0.121972	.000000	0.002524	.000000
E5	0.121574	.000000	0.002101	.000000
E6	0.121613	.000000	0.002101	.000000
E7	0.122090	.000000	0.002524	.000000
E8	0.122567	.000000	0.005581	.000000
E9	0.121931	.000000	0.004684	.000000
F2	0.121987	.000000	0.011030	0.000171
F3	0.122013	.000000	0.016687	0.000116
F8	0.121002	.000000	0.016690	0.000126
F9	0.120954	.000000	0.014323	0.000178
G2	0.137144	.000000	0.021771	.000000
G3	0.132084	.000000	0.032648	.000000
G4	0.127054	.000000	0.014309	.000000
G5	0.122023	.000000	0.012117	.000000
G6	0.122101	.000000	0.012117	.000000
G7	0.127285	.000000	0.014309	.000000
G8	0.132469	.000000	0.032654	.000000
G9	0.137692	.000000	0.028336	.000000
H2	0.168665	.000000	0.032632	.000000
H3	0.163289	.000000	0.047396	.000000
H8	0.159973	.000000	0.047406	.000000
H9	0.165582	.000000	0.042155	.000000
I1	0.005580	.000000	0.084616	.000000
I2	0.005494	.000000	0.047835	.000000
I3	0.004617	.000000	0.060689	.000000
I4	0.003740	.000000	0.025927	.000000
I5	0.002863	.000000	0.022520	.000000
I6	0.002867	.000000	0.022520	.000000
I7	0.003754	.000000	0.025927	.000000
I8	0.004640	.000000	0.060702	.000000
I9	0.005526	.000000	0.062350	.000000
J1	0.024522	.000000	0.087826	.000000
J2	0.024527	.000000	0.062061	.000000
J3	0.024540	.000000	0.072751	.000000
J8	0.029393	.000000	0.072768	.000000
J9	0.029375	.000000	0.080899	.000000
K1	0.007748	.000000	0.098203	.000000
K2	0.007405	.000000	0.075908	.000000
K3	0.006361	.000000	0.084499	.000000
K4	0.005317	.000000	0.035345	.000000
K5	0.004273	.000000	0.031390	.000000
K6	0.004280	.000000	0.031390	.000000
K7	0.005338	.000000	0.035345	.000000
K8	0.006397	.000000	0.084517	.000000
K9	0.007455	.000000	0.098396	.000000
L1	0.025567	.000000	0.101005	.000000
L2	0.025580	.000000	0.088462	.000000

L3	0.025597	.000000	0.095014	.000000
L8	0.033108	.000000	0.095034	.000000
L9	0.033083	.000000	0.113932	.000000
M1	0.012320	.000000	0.110307	.000000
M2	0.012053	.000000	0.100633	.000000
M3	0.008818	.000000	0.105213	.000000
M4	0.006690	.000000	0.042878	.000000
M5	0.004561	.000000	0.038755	.000000
M6	0.004568	.000000	0.038755	.000000
M7	0.006710	.000000	0.042878	.000000
M8	0.008852	.000000	0.105234	.000000
M9	0.011883	.000000	0.128413	.000000
N1	0.019936	.000000	0.113467	.000000
N2	0.019039	.000000	0.108832	.000000
N3	0.019853	.000000	0.112118	.000000
N8	0.026507	.000000	0.112120	.000000
N9	0.025822	.000000	0.137840	.000000
O4	0.118602	.000000	0.049468	.000000
O7	0.118820	.000000	0.049468	.000000
P1	0.121470	.000000	0.147773	.000000
P2	0.120332	.000000	0.114036	.000000
P3	0.119467	.000000	0.117314	.000000
P4	0.118602	.000000	0.050152	.000000
P5	0.117736	.000000	0.045999	.000000
P6	0.117809	.000000	0.045999	.000000
P7	0.118820	.000000	0.050152	.000000
P8	0.119832	.000000	0.117315	.000000
P9	0.120843	.000000	0.144665	.000000
E2A	0.122104	.000000	0.068098	0.000265
E2B	0.122282	.000000	0.040286	0.002514
E3A	0.122304	.000000	0.053876	0.003607
E3B	0.122172	.000000	0.099268	7.49E-05
E3C	0.122039	.000000	0.051099	0.003599
E4A	0.121906	.000000	0.029414	0.001925
E4B	0.121740	.000000	0.050365	0.000636
E6A	0.121812	.000000	0.050365	0.000636
E6B	0.122011	.000000	0.029414	0.001925
E7A	0.122170	.000000	0.051099	0.003599
E7B	0.122329	.000000	0.099268	7.49E-05
E7C	0.122488	.000000	0.053877	0.003607
E8A	0.122461	.000000	0.040467	0.002529
E8B	0.122249	.000000	0.068639	0.000279
G2A	0.136089	.000000	0.146875	0.007143
G2B	0.134403	.000000	0.230771	0.001089
G2C	0.132716	.000000	0.112326	0.008466
G3A	0.131036	.000000	0.146316	0.006588
G3B	0.129359	.000000	0.209306	0.001366
G3C	0.127682	.000000	0.089856	0.007821
G4A	0.125237	.000000	0.068372	0.000934
G6A	0.125413	.000000	0.068372	0.000934
G7A	0.127933	.000000	0.089857	0.007821
G7B	0.129661	.000000	0.209308	0.001366
G7C	0.131389	.000000	0.146322	0.006588
G8A	0.133122	.000000	0.113160	0.008556
G8B	0.134863	.000000	0.233811	0.001179
G8C	0.136604	.000000	0.152095	0.007232
I10	0.005612	.000000	0.093651	.000000
I1A	0.005552	.000000	0.073247	0.003455
I2A	0.005305	.000000	0.201003	0.008237
I2B	0.005013	.000000	0.287264	0.001804
I2C	0.004721	.000000	0.146068	0.009769
I3A	0.004428	.000000	0.163132	0.006033
I3B	0.004136	.000000	0.209334	0.001872

I3C	0.003843	.000000	0.090346	0.007198
I4A	0.003594	.000000	0.037716	0.000844
I6A	0.003606	.000000	0.037716	0.000844
I7A	0.003858	.000000	0.090348	0.007198
I7B	0.004154	.000000	0.209340	0.001872
I7C	0.004449	.000000	0.163142	0.006033
I8A	0.004745	.000000	0.147803	0.009968
I8B	0.005040	.000000	0.293855	0.002003
I8C	0.005336	.000000	0.212432	0.008436
I9A	0.005585	.000000	0.084034	0.003017
J10	0.029368	.000000	0.099670	.000000
K10	0.007798	.000000	0.107882	.000000
K1A	0.007711	.000000	0.102288	0.002892
K1B	0.007492	.000000	0.097235	0.002520
K2A	0.007195	.000000	0.232494	0.009329
K2B	0.006847	.000000	0.336313	0.001524
K2C	0.006499	.000000	0.188804	0.010498
K3A	0.006151	.000000	0.161532	0.005302
K3B	0.005702	.000000	0.179095	0.003181
K7A	0.005728	.000000	0.179102	0.003181
K7B	0.006184	.000000	0.161547	0.005302
K8A	0.006537	.000000	0.191808	0.010808
K8B	0.006890	.000000	0.346830	0.001834
K8C	0.007242	.000000	0.250500	0.009638
K9A	0.007542	.000000	0.116469	0.002179
K9B	0.007762	.000000	0.113332	0.002550
L10	0.033065	.000000	0.114872	.000000
M10	0.012151	.000000	0.120692	.000000
M3A	0.008109	.000000	0.123076	0.001676
M7A	0.008138	.000000	0.123091	0.001677
N10	0.026715	.000000	0.127590	.000000
N1A	0.019861	.000000	0.123619	0.002720
N1B	0.019560	.000000	0.150462	0.001479
N1C	0.019259	.000000	0.138281	0.002256
N2A	0.019112	.000000	0.119295	0.001882
N2B	0.019383	.000000	0.144490	0.000744
N2C	0.019655	.000000	0.135915	0.001451
N8A	0.026340	.000000	0.143000	0.001851
N8B	0.026112	.000000	0.161268	0.001144
N8C	0.025883	.000000	0.145714	0.002283
N9A	0.026041	.000000	0.163639	0.002048
N9B	0.026340	.000000	0.170827	0.001271
N9C	0.026640	.000000	0.138991	0.002512
P10	0.122172	.000000	0.159128	.000000

COMBDEADLOAD ---------- MIN

JOINT	UX	UY	UZ	RY
1	-0.013363	.000000	-0.107498	.000000
2	-0.013129	.000000	-0.121779	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	-0.121837	.000000	-0.003615	.000000
E3	-0.122371	.000000	-0.005580	.000000
E4	-0.121972	.000000	-0.002524	.000000
E5	-0.121574	.000000	-0.002101	.000000
E6	-0.121613	.000000	-0.002101	.000000

E7	-0.122090	.000000	-0.002524	.000000
E8	-0.122567	.000000	-0.005581	.000000
E9	-0.121931	.000000	-0.004684	.000000
F2	-0.121987	.000000	-0.011030	-0.000171
F3	-0.122013	.000000	-0.016687	-0.000116
F8	-0.121002	.000000	-0.016690	-0.000126
F9	-0.120954	.000000	-0.014323	-0.000178
G2	-0.137144	.000000	-0.021771	.000000
G3	-0.132084	.000000	-0.032648	.000000
G4	-0.127054	.000000	-0.014309	.000000
G5	-0.122023	.000000	-0.012117	.000000
G6	-0.122101	.000000	-0.012117	.000000
G7	-0.127285	.000000	-0.014309	.000000
G8	-0.132469	.000000	-0.032654	.000000
G9	-0.137692	.000000	-0.028336	.000000
H2	-0.168665	.000000	-0.032632	.000000
H3	-0.163289	.000000	-0.047396	.000000
H8	-0.159973	.000000	-0.047406	.000000
H9	-0.165582	.000000	-0.042155	.000000
I1	-0.005580	.000000	-0.084616	.000000
I2	-0.005494	.000000	-0.047835	.000000
I3	-0.004617	.000000	-0.060689	.000000
I4	-0.003740	.000000	-0.025927	.000000
I5	-0.002863	.000000	-0.022520	.000000
I6	-0.002867	.000000	-0.022520	.000000
I7	-0.003754	.000000	-0.025927	.000000
I8	-0.004640	.000000	-0.060702	.000000
I9	-0.005526	.000000	-0.062350	.000000
J1	-0.024522	.000000	-0.087826	.000000
J2	-0.024527	.000000	-0.062061	.000000
J3	-0.024540	.000000	-0.072751	.000000
J8	-0.029393	.000000	-0.072768	.000000
J9	-0.029375	.000000	-0.080899	.000000
K1	-0.007748	.000000	-0.098203	.000000
K2	-0.007405	.000000	-0.075908	.000000
K3	-0.006361	.000000	-0.084499	.000000
K4	-0.005317	.000000	-0.035345	.000000
K5	-0.004273	.000000	-0.031390	.000000
K6	-0.004280	.000000	-0.031390	.000000
K7	-0.005338	.000000	-0.035345	.000000
K8	-0.006397	.000000	-0.084517	.000000
K9	-0.007455	.000000	-0.098396	.000000
L1	-0.025567	.000000	-0.101005	.000000
L2	-0.025580	.000000	-0.088462	.000000
L3	-0.025597	.000000	-0.095014	.000000
L8	-0.033108	.000000	-0.095034	.000000
L9	-0.033083	.000000	-0.113932	.000000
M1	-0.012320	.000000	-0.110307	.000000
M2	-0.012053	.000000	-0.100633	.000000
M3	-0.008818	.000000	-0.105213	.000000
M4	-0.006690	.000000	-0.042878	.000000
M5	-0.004561	.000000	-0.038755	.000000
M6	-0.004568	.000000	-0.038755	.000000
M7	-0.006710	.000000	-0.042878	.000000
M8	-0.008852	.000000	-0.105234	.000000
M9	-0.011883	.000000	-0.128413	.000000
N1	-0.019936	.000000	-0.113467	.000000
N2	-0.019039	.000000	-0.108832	.000000
N3	-0.019853	.000000	-0.112118	.000000
N8	-0.026507	.000000	-0.112120	.000000
N9	-0.025822	.000000	-0.137840	.000000
O4	-0.118602	.000000	-0.049468	.000000
O7	-0.118820	.000000	-0.049468	.000000

P1	-0.121470	.000000	-0.147773	.000000
P2	-0.120332	.000000	-0.114036	.000000
P3	-0.119467	.000000	-0.117314	.000000
P4	-0.118602	.000000	-0.050152	.000000
P5	-0.117736	.000000	-0.045999	.000000
P6	-0.117809	.000000	-0.045999	.000000
P7	-0.118820	.000000	-0.050152	.000000
P8	-0.119832	.000000	-0.117315	.000000
P9	-0.120843	.000000	-0.144665	.000000
E2A	-0.122104	.000000	-0.068098	-0.000265
E2B	-0.122282	.000000	-0.040286	-0.002514
E3A	-0.122304	.000000	-0.053876	-0.003607
E3B	-0.122172	.000000	-0.099268	-7.49E-05
E3C	-0.122039	.000000	-0.051099	-0.003599
E4A	-0.121906	.000000	-0.029414	-0.001925
E4B	-0.121740	.000000	-0.050365	-0.000636
E6A	-0.121812	.000000	-0.050365	-0.000636
E6B	-0.122011	.000000	-0.029414	-0.001925
E7A	-0.122170	.000000	-0.051099	-0.003599
E7B	-0.122329	.000000	-0.099268	-7.49E-05
E7C	-0.122488	.000000	-0.053877	-0.003607
E8A	-0.122461	.000000	-0.040467	-0.002529
E8B	-0.122249	.000000	-0.068639	-0.000279
G2A	-0.136089	.000000	-0.146875	-0.007143
G2B	-0.134403	.000000	-0.230771	-0.001089
G2C	-0.132716	.000000	-0.112326	-0.008466
G3A	-0.131036	.000000	-0.146316	-0.006588
G3B	-0.129359	.000000	-0.209306	-0.001366
G3C	-0.127682	.000000	-0.089856	-0.007821
G4A	-0.125237	.000000	-0.068372	-0.000934
G6A	-0.125413	.000000	-0.068372	-0.000934
G7A	-0.127933	.000000	-0.089857	-0.007821
G7B	-0.129661	.000000	-0.209308	-0.001366
G7C	-0.131389	.000000	-0.146322	-0.006588
G8A	-0.133122	.000000	-0.113160	-0.008556
G8B	-0.134863	.000000	-0.233811	-0.001179
G8C	-0.136604	.000000	-0.152095	-0.007232
I10	-0.005612	.000000	-0.093651	.000000
I1A	-0.005552	.000000	-0.073247	-0.003455
I2A	-0.005305	.000000	-0.201003	-0.008237
I2B	-0.005013	.000000	-0.287264	-0.001804
I2C	-0.004721	.000000	-0.146068	-0.009769
I3A	-0.004428	.000000	-0.163132	-0.006033
I3B	-0.004136	.000000	-0.209334	-0.001872
I3C	-0.003843	.000000	-0.090346	-0.007198
I4A	-0.003594	.000000	-0.037716	-0.000844
I6A	-0.003606	.000000	-0.037716	-0.000844
I7A	-0.003858	.000000	-0.090348	-0.007198
I7B	-0.004154	.000000	-0.209340	-0.001872
I7C	-0.004449	.000000	-0.163142	-0.006033
I8A	-0.004745	.000000	-0.147803	-0.009968
I8B	-0.005040	.000000	-0.293855	-0.002003
I8C	-0.005336	.000000	-0.212432	-0.008436
I9A	-0.005585	.000000	-0.084034	-0.003017
J10	-0.029368	.000000	-0.099670	.000000
K10	-0.007798	.000000	-0.107882	.000000
K1A	-0.007711	.000000	-0.102288	-0.002892
K1B	-0.007492	.000000	-0.097235	-0.002520
K2A	-0.007195	.000000	-0.232494	-0.009329
K2B	-0.006847	.000000	-0.336313	-0.001524
K2C	-0.006499	.000000	-0.188804	-0.010498
K3A	-0.006151	.000000	-0.161532	-0.005302
K3B	-0.005702	.000000	-0.179095	-0.003181

K7A	-0.005728	.000000	-0.179102	-0.003181
K7B	-0.006184	.000000	-0.161547	-0.005302
K8A	-0.006537	.000000	-0.191808	-0.010808
K8B	-0.006890	.000000	-0.346830	-0.001834
K8C	-0.007242	.000000	-0.250500	-0.009638
K9A	-0.007542	.000000	-0.116469	-0.002179
K9B	-0.007762	.000000	-0.113332	-0.002550
L10	-0.033065	.000000	-0.114872	.000000
M10	-0.012151	.000000	-0.120692	.000000
M3A	-0.008109	.000000	-0.123076	-0.001676
M7A	-0.008138	.000000	-0.123091	-0.001677
N10	-0.026715	.000000	-0.127590	.000000
N1A	-0.019861	.000000	-0.123619	-0.002720
N1B	-0.019560	.000000	-0.150462	-0.001479
N1C	-0.019259	.000000	-0.138281	-0.002256
N2A	-0.019112	.000000	-0.119295	-0.001882
N2B	-0.019383	.000000	-0.144490	-0.000744
N2C	-0.019655	.000000	-0.135915	-0.001451
N8A	-0.026340	.000000	-0.143000	-0.001851
N8B	-0.026112	.000000	-0.161268	-0.001144
N8C	-0.025883	.000000	-0.145714	-0.002283
N9A	-0.026041	.000000	-0.163639	-0.002048
N9B	-0.026340	.000000	-0.170827	-0.001271
N9C	-0.026640	.000000	-0.138991	-0.002512
P10	-0.122172	.000000	-0.159128	.000000

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S P R I N G F O R C E S

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

LOAD DEAD ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-5.85E-06
F3	.000000	.000000	.000000	-3.61E-06
F8	.000000	.000000	.000000	3.61E-06
F9	.000000	.000000	.000000	5.85E-06
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000

G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	-0.187996	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	0.187996	.000000	.000000	.000000
I1	0.019321	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	-0.018805	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	0.022493	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	-0.002451	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	0.035444	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	0.018731	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	0.012578	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-7.85E-07

E2B	.000000	.000000	.000000	0.000171
E3A	.000000	.000000	.000000	-0.000171
E3B	.000000	.000000	.000000	8.35E-07
E3C	.000000	.000000	.000000	0.000172
E4A	.000000	.000000	.000000	-0.000172
E4B	.000000	.000000	.000000	4.99E-05
E6A	.000000	.000000	.000000	-4.99E-05
E6B	.000000	.000000	.000000	0.000172
E7A	.000000	.000000	.000000	-0.000172
E7B	.000000	.000000	.000000	-8.35E-07
E7C	.000000	.000000	.000000	0.000171
E8A	.000000	.000000	.000000	-0.000171
E8B	.000000	.000000	.000000	7.85E-07
G2A	.000000	.000000	.000000	-0.000160
G2B	.000000	.000000	.000000	2.11E-05
G2C	.000000	.000000	.000000	0.000180
G3A	.000000	.000000	.000000	-0.000152
G3B	.000000	.000000	.000000	2.97E-05
G3C	.000000	.000000	.000000	0.000189
G4A	.000000	.000000	.000000	-8.18E-05
G6A	.000000	.000000	.000000	8.18E-05
G7A	.000000	.000000	.000000	-0.000189
G7B	.000000	.000000	.000000	-2.97E-05
G7C	.000000	.000000	.000000	0.000152
G8A	.000000	.000000	.000000	-0.000180
G8B	.000000	.000000	.000000	-2.11E-05
G8C	.000000	.000000	.000000	0.000160
I10	-0.019321	.000000	.000000	.000000
I1A	.000000	.000000	.000000	3.28E-05
I2A	.000000	.000000	.000000	-0.000158
I2B	.000000	.000000	.000000	2.44E-05
I2C	.000000	.000000	.000000	0.000181
I3A	.000000	.000000	.000000	-0.000146
I3B	.000000	.000000	.000000	3.72E-05
I3C	.000000	.000000	.000000	0.000194
I4A	.000000	.000000	.000000	-0.000172
I6A	.000000	.000000	.000000	0.000172
I7A	.000000	.000000	.000000	-0.000194
I7B	.000000	.000000	.000000	-3.72E-05
I7C	.000000	.000000	.000000	0.000146
I8A	.000000	.000000	.000000	-0.000181
I8B	.000000	.000000	.000000	-2.44E-05
I8C	.000000	.000000	.000000	0.000158
I9A	.000000	.000000	.000000	-3.28E-05
J10	0.018805	.000000	.000000	.000000
K10	-0.022493	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-2.07E-05
K1B	.000000	.000000	.000000	2.54E-05
K2A	.000000	.000000	.000000	-0.000163
K2B	.000000	.000000	.000000	1.70E-05
K2C	.000000	.000000	.000000	0.000179
K3A	.000000	.000000	.000000	-0.000149
K3B	.000000	.000000	.000000	8.80E-05
K7A	.000000	.000000	.000000	-8.80E-05
K7B	.000000	.000000	.000000	0.000149
K8A	.000000	.000000	.000000	-0.000179
K8B	.000000	.000000	.000000	-1.70E-05
K8C	.000000	.000000	.000000	0.000163
K9A	.000000	.000000	.000000	-2.54E-05
K9B	.000000	.000000	.000000	2.07E-05
L10	0.002451	.000000	.000000	.000000
M10	-0.035444	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-8.48E-05

M7A	.000000	.000000	.000000	8.48E-05
N10	-0.018731	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-7.63E-05
N1B	.000000	.000000	.000000	-1.86E-05
N1C	.000000	.000000	.000000	5.65E-05
N2A	.000000	.000000	.000000	-8.04E-05
N2B	.000000	.000000	.000000	-2.12E-05
N2C	.000000	.000000	.000000	5.48E-05
N8A	.000000	.000000	.000000	-5.48E-05
N8B	.000000	.000000	.000000	2.12E-05
N8C	.000000	.000000	.000000	8.04E-05
N9A	.000000	.000000	.000000	-5.65E-05
N9B	.000000	.000000	.000000	1.86E-05
N9C	.000000	.000000	.000000	7.63E-05
P10	-0.012578	.000000	.000000	.000000

LOADMANIFOLD ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	4.17E-06
F3	.000000	.000000	.000000	4.40E-06
F8	.000000	.000000	.000000	-4.40E-06
F9	.000000	.000000	.000000	-4.17E-06
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	-0.697242	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	0.697242	.000000	.000000	.000000
I1	0.002999	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	-0.877837	.000000	.000000	.000000

J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	0.002995	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	-0.877009	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	0.125794	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	-0.276501	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	1.82E-14	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-1.21E-05
E2B	.000000	.000000	.000000	-1.21E-05
E3A	.000000	.000000	.000000	2.42E-05
E3B	.000000	.000000	.000000	2.42E-05
E3C	.000000	.000000	.000000	2.42E-05
E4A	.000000	.000000	.000000	5.09E-13
E4B	.000000	.000000	.000000	5.09E-13
E6A	.000000	.000000	.000000	-5.09E-13
E6B	.000000	.000000	.000000	-5.09E-13
E7A	.000000	.000000	.000000	-2.42E-05
E7B	.000000	.000000	.000000	-2.42E-05
E7C	.000000	.000000	.000000	-2.42E-05
E8A	.000000	.000000	.000000	1.21E-05
E8B	.000000	.000000	.000000	1.21E-05
G2A	.000000	.000000	.000000	-7.39E-05
G2B	.000000	.000000	.000000	-7.39E-05
G2C	.000000	.000000	.000000	-7.39E-05
G3A	.000000	.000000	.000000	0.000148
G3B	.000000	.000000	.000000	0.000148
G3C	.000000	.000000	.000000	0.000148

G4A	.000000	.000000	.000000	3.05E-12
G6A	.000000	.000000	.000000	-3.05E-12
G7A	.000000	.000000	.000000	-0.000148
G7B	.000000	.000000	.000000	-0.000148
G7C	.000000	.000000	.000000	-0.000148
G8A	.000000	.000000	.000000	7.39E-05
G8B	.000000	.000000	.000000	7.39E-05
G8C	.000000	.000000	.000000	7.39E-05
I10	-0.002999	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.000278
I2A	.000000	.000000	.000000	-0.000110
I2B	.000000	.000000	.000000	-0.000110
I2C	.000000	.000000	.000000	-0.000110
I3A	.000000	.000000	.000000	0.000295
I3B	.000000	.000000	.000000	0.000295
I3C	.000000	.000000	.000000	0.000295
I4A	.000000	.000000	.000000	5.60E-12
I6A	.000000	.000000	.000000	-5.60E-12
I7A	.000000	.000000	.000000	-0.000295
I7B	.000000	.000000	.000000	-0.000295
I7C	.000000	.000000	.000000	-0.000295
I8A	.000000	.000000	.000000	0.000110
I8B	.000000	.000000	.000000	0.000110
I8C	.000000	.000000	.000000	0.000110
I9A	.000000	.000000	.000000	0.000278
J10	0.877837	.000000	.000000	.000000
K10	-0.002995	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.000375
K1B	.000000	.000000	.000000	-0.000375
K2A	.000000	.000000	.000000	-0.000110
K2B	.000000	.000000	.000000	-0.000110
K2C	.000000	.000000	.000000	-0.000110
K3A	.000000	.000000	.000000	0.000442
K3B	.000000	.000000	.000000	0.000442
K7A	.000000	.000000	.000000	-0.000442
K7B	.000000	.000000	.000000	-0.000442
K8A	.000000	.000000	.000000	0.000110
K8B	.000000	.000000	.000000	0.000110
K8C	.000000	.000000	.000000	0.000110
K9A	.000000	.000000	.000000	0.000375
K9B	.000000	.000000	.000000	0.000375
L10	0.877009	.000000	.000000	.000000
M10	-0.125794	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000589
M7A	.000000	.000000	.000000	-0.000589
N10	0.276501	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.000407
N1B	.000000	.000000	.000000	-0.000407
N1C	.000000	.000000	.000000	-0.000407
N2A	.000000	.000000	.000000	-0.000110
N2B	.000000	.000000	.000000	-0.000110
N2C	.000000	.000000	.000000	-0.000110
N8A	.000000	.000000	.000000	0.000110
N8B	.000000	.000000	.000000	0.000110
N8C	.000000	.000000	.000000	0.000110
N9A	.000000	.000000	.000000	0.000407
N9B	.000000	.000000	.000000	0.000407
N9C	.000000	.000000	.000000	0.000407
P10	1.84E-14	.000000	.000000	.000000

LOAD TBAR ----------

JOINT	FX	FY	FZ	MY

1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-1.91E-05
F3	.000000	.000000	.000000	-1.23E-05
F8	.000000	.000000	.000000	1.23E-05
F9	.000000	.000000	.000000	1.91E-05
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	-0.725255	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	0.725255	.000000	.000000	.000000
I1	0.047178	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	-0.221149	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	0.116949	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	-0.045784	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	0.087276	.000000	.000000	.000000

M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	0.064283	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	-4.88E-15	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-0.000233
E2B	.000000	.000000	.000000	0.002313
E3A	.000000	.000000	.000000	-0.003402
E3B	.000000	.000000	.000000	3.99E-05
E3C	.000000	.000000	.000000	0.003392
E4A	.000000	.000000	.000000	-0.000828
E4B	.000000	.000000	.000000	0.000342
E6A	.000000	.000000	.000000	-0.000342
E6B	.000000	.000000	.000000	0.000828
E7A	.000000	.000000	.000000	-0.003392
E7B	.000000	.000000	.000000	-3.99E-05
E7C	.000000	.000000	.000000	0.003402
E8A	.000000	.000000	.000000	-0.002313
E8B	.000000	.000000	.000000	0.000233
G2A	.000000	.000000	.000000	-0.006803
G2B	.000000	.000000	.000000	0.000889
G2C	.000000	.000000	.000000	0.008106
G3A	.000000	.000000	.000000	-0.006231
G3B	.000000	.000000	.000000	0.001131
G3C	.000000	.000000	.000000	0.007427
G4A	.000000	.000000	.000000	1.96E-05
G6A	.000000	.000000	.000000	-1.96E-05
G7A	.000000	.000000	.000000	-0.007427
G7B	.000000	.000000	.000000	-0.001131
G7C	.000000	.000000	.000000	0.006231
G8A	.000000	.000000	.000000	-0.008106
G8B	.000000	.000000	.000000	-0.000889
G8C	.000000	.000000	.000000	0.006803
I10	-0.047178	.000000	.000000	.000000
I1A	.000000	.000000	.000000	4.24E-05
I2A	.000000	.000000	.000000	-0.007794
I2B	.000000	.000000	.000000	0.001495
I2C	.000000	.000000	.000000	0.009304
I3A	.000000	.000000	.000000	-0.005136
I3B	.000000	.000000	.000000	0.001405
I3C	.000000	.000000	.000000	0.006064
I4A	.000000	.000000	.000000	2.68E-05
I6A	.000000	.000000	.000000	-2.68E-05
I7A	.000000	.000000	.000000	-0.006064

I7B	.000000	.000000	.000000	-0.001405
I7C	.000000	.000000	.000000	0.005136
I8A	.000000	.000000	.000000	-0.009304
I8B	.000000	.000000	.000000	-0.001495
I8C	.000000	.000000	.000000	0.007794
I9A	.000000	.000000	.000000	-4.24E-05
J10	0.221149	.000000	.000000	.000000
K10	-0.116949	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.001459
K1B	.000000	.000000	.000000	0.001083
K2A	.000000	.000000	.000000	-0.008836
K2B	.000000	.000000	.000000	0.001178
K2C	.000000	.000000	.000000	0.009990
K3A	.000000	.000000	.000000	-0.002283
K3B	.000000	.000000	.000000	0.001520
K7A	.000000	.000000	.000000	-0.001520
K7B	.000000	.000000	.000000	0.002283
K8A	.000000	.000000	.000000	-0.009990
K8B	.000000	.000000	.000000	-0.001178
K8C	.000000	.000000	.000000	0.008836
K9A	.000000	.000000	.000000	-0.001083
K9B	.000000	.000000	.000000	0.001459
L10	0.045784	.000000	.000000	.000000
M10	-0.087276	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000133
M7A	.000000	.000000	.000000	-0.000133
N10	-0.064283	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.001612
N1B	.000000	.000000	.000000	-0.000429
N1C	.000000	.000000	.000000	0.001167
N2A	.000000	.000000	.000000	-0.001417
N2B	.000000	.000000	.000000	-0.000337
N2C	.000000	.000000	.000000	0.001011
N8A	.000000	.000000	.000000	-0.001011
N8B	.000000	.000000	.000000	0.000337
N8C	.000000	.000000	.000000	0.001417
N9A	.000000	.000000	.000000	-0.001167
N9B	.000000	.000000	.000000	0.000429
N9C	.000000	.000000	.000000	0.001612
P10	-4.46E-15	.000000	.000000	.000000

LOADTOPCOVER ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-2.98E-05

F3	.000000	.000000	.000000	-1.90E-05
F8	.000000	.000000	.000000	1.90E-05
F9	.000000	.000000	.000000	2.98E-05
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	-0.963876	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	0.963876	.000000	.000000	.000000
I1	0.001163	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	-0.340360	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	0.001161	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	-0.340048	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	0.057860	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	-0.081254	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	0.340845	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000

P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-4.39E-06
E2B	.000000	.000000	.000000	-4.39E-06
E3A	.000000	.000000	.000000	1.08E-06
E3B	.000000	.000000	.000000	1.08E-06
E3C	.000000	.000000	.000000	1.08E-06
E4A	.000000	.000000	.000000	1.31E-14
E4B	.000000	.000000	.000000	1.31E-14
E6A	.000000	.000000	.000000	-1.31E-14
E6B	.000000	.000000	.000000	-1.31E-14
E7A	.000000	.000000	.000000	-1.08E-06
E7B	.000000	.000000	.000000	-1.08E-06
E7C	.000000	.000000	.000000	-1.08E-06
E8A	.000000	.000000	.000000	4.39E-06
E8B	.000000	.000000	.000000	4.39E-06
G2A	.000000	.000000	.000000	-2.61E-05
G2B	.000000	.000000	.000000	-2.61E-05
G2C	.000000	.000000	.000000	-2.61E-05
G3A	.000000	.000000	.000000	5.97E-06
G3B	.000000	.000000	.000000	5.97E-06
G3C	.000000	.000000	.000000	5.97E-06
G4A	.000000	.000000	.000000	7.76E-14
G6A	.000000	.000000	.000000	-7.76E-14
G7A	.000000	.000000	.000000	-5.97E-06
G7B	.000000	.000000	.000000	-5.97E-06
G7C	.000000	.000000	.000000	-5.97E-06
G8A	.000000	.000000	.000000	2.61E-05
G8B	.000000	.000000	.000000	2.61E-05
G8C	.000000	.000000	.000000	2.61E-05
I10	-0.001163	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.000132
I2A	.000000	.000000	.000000	-3.74E-05
I2B	.000000	.000000	.000000	-3.74E-05
I2C	.000000	.000000	.000000	-3.74E-05
I3A	.000000	.000000	.000000	8.86E-06
I3B	.000000	.000000	.000000	8.86E-06
I3C	.000000	.000000	.000000	8.86E-06
I4A	.000000	.000000	.000000	1.35E-13
I6A	.000000	.000000	.000000	-1.35E-13
I7A	.000000	.000000	.000000	-8.86E-06
I7B	.000000	.000000	.000000	-8.86E-06
I7C	.000000	.000000	.000000	-8.86E-06
I8A	.000000	.000000	.000000	3.74E-05
I8B	.000000	.000000	.000000	3.74E-05
I8C	.000000	.000000	.000000	3.74E-05
I9A	.000000	.000000	.000000	-0.000132
J10	0.340360	.000000	.000000	.000000
K10	-0.001161	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-2.48E-06
K1B	.000000	.000000	.000000	-2.48E-06
K2A	.000000	.000000	.000000	-3.74E-05
K2B	.000000	.000000	.000000	-3.74E-05
K2C	.000000	.000000	.000000	-3.74E-05
K3A	.000000	.000000	.000000	8.83E-06
K3B	.000000	.000000	.000000	8.83E-06
K7A	.000000	.000000	.000000	-8.83E-06
K7B	.000000	.000000	.000000	-8.83E-06
K8A	.000000	.000000	.000000	3.74E-05
K8B	.000000	.000000	.000000	3.74E-05

K8C	.000000	.000000	.000000	3.74E-05
K9A	.000000	.000000	.000000	2.48E-06
K9B	.000000	.000000	.000000	2.48E-06
L10	0.340048	.000000	.000000	.000000
M10	-0.057860	.000000	.000000	.000000
M3A	.000000	.000000	.000000	8.81E-06
M7A	.000000	.000000	.000000	-8.81E-06
N10	0.081254	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-3.65E-05
N1B	.000000	.000000	.000000	-3.65E-05
N1C	.000000	.000000	.000000	-3.65E-05
N2A	.000000	.000000	.000000	-3.74E-05
N2B	.000000	.000000	.000000	-3.74E-05
N2C	.000000	.000000	.000000	-3.74E-05
N8A	.000000	.000000	.000000	3.74E-05
N8B	.000000	.000000	.000000	3.74E-05
N8C	.000000	.000000	.000000	3.74E-05
N9A	.000000	.000000	.000000	3.65E-05
N9B	.000000	.000000	.000000	3.65E-05
N9C	.000000	.000000	.000000	3.65E-05
P10	-0.340845	.000000	.000000	.000000

LOAD PEWALLS ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-2.91E-05
F3	.000000	.000000	.000000	-1.86E-05
F8	.000000	.000000	.000000	1.86E-05
F9	.000000	.000000	.000000	2.91E-05
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	-1.019704	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	1.019704	.000000	.000000	.000000
I1	0.110248	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000

I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	-0.213932	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	0.115294	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	-0.149176	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	0.123071	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	-0.032047	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	0.043678	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-7.54E-06
E2B	.000000	.000000	.000000	-7.54E-06
E3A	.000000	.000000	.000000	9.87E-07
E3B	.000000	.000000	.000000	9.87E-07
E3C	.000000	.000000	.000000	9.87E-07
E4A	.000000	.000000	.000000	2.04E-07
E4B	.000000	.000000	.000000	2.04E-07
E6A	.000000	.000000	.000000	-2.04E-07
E6B	.000000	.000000	.000000	-2.04E-07
E7A	.000000	.000000	.000000	-9.87E-07
E7B	.000000	.000000	.000000	-9.87E-07
E7C	.000000	.000000	.000000	-9.87E-07
E8A	.000000	.000000	.000000	7.54E-06
E8B	.000000	.000000	.000000	7.54E-06

G2A	.000000	.000000	.000000	-3.95E-05
G2B	.000000	.000000	.000000	-3.95E-05
G2C	.000000	.000000	.000000	-3.95E-05
G3A	.000000	.000000	.000000	5.45E-06
G3B	.000000	.000000	.000000	5.45E-06
G3C	.000000	.000000	.000000	5.45E-06
G4A	.000000	.000000	.000000	1.25E-06
G6A	.000000	.000000	.000000	-1.25E-06
G7A	.000000	.000000	.000000	-5.45E-06
G7B	.000000	.000000	.000000	-5.45E-06
G7C	.000000	.000000	.000000	-5.45E-06
G8A	.000000	.000000	.000000	3.95E-05
G8B	.000000	.000000	.000000	3.95E-05
G8C	.000000	.000000	.000000	3.95E-05
I10	-0.110248	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.000161
I2A	.000000	.000000	.000000	-4.99E-05
I2B	.000000	.000000	.000000	-4.99E-05
I2C	.000000	.000000	.000000	-4.99E-05
I3A	.000000	.000000	.000000	7.92E-06
I3B	.000000	.000000	.000000	7.92E-06
I3C	.000000	.000000	.000000	7.92E-06
I4A	.000000	.000000	.000000	2.49E-06
I6A	.000000	.000000	.000000	-2.49E-06
I7A	.000000	.000000	.000000	-7.92E-06
I7B	.000000	.000000	.000000	-7.92E-06
I7C	.000000	.000000	.000000	-7.92E-06
I8A	.000000	.000000	.000000	4.99E-05
I8B	.000000	.000000	.000000	4.99E-05
I8C	.000000	.000000	.000000	4.99E-05
I9A	.000000	.000000	.000000	-0.000161
J10	0.213932	.000000	.000000	.000000
K10	-0.115294	.000000	.000000	.000000
K1A	.000000	.000000	.000000	1.55E-05
K1B	.000000	.000000	.000000	1.55E-05
K2A	.000000	.000000	.000000	-4.63E-05
K2B	.000000	.000000	.000000	-4.63E-05
K2C	.000000	.000000	.000000	-4.63E-05
K3A	.000000	.000000	.000000	7.97E-06
K3B	.000000	.000000	.000000	7.97E-06
K7A	.000000	.000000	.000000	-7.97E-06
K7B	.000000	.000000	.000000	-7.97E-06
K8A	.000000	.000000	.000000	4.63E-05
K8B	.000000	.000000	.000000	4.63E-05
K8C	.000000	.000000	.000000	4.63E-05
K9A	.000000	.000000	.000000	-1.55E-05
K9B	.000000	.000000	.000000	-1.55E-05
L10	0.149176	.000000	.000000	.000000
M10	-0.123071	.000000	.000000	.000000
M3A	.000000	.000000	.000000	8.83E-06
M7A	.000000	.000000	.000000	-8.83E-06
N10	0.032047	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-1.26E-05
N1B	.000000	.000000	.000000	-1.26E-05
N1C	.000000	.000000	.000000	-1.26E-05
N2A	.000000	.000000	.000000	-4.41E-05
N2B	.000000	.000000	.000000	-4.41E-05
N2C	.000000	.000000	.000000	-4.41E-05
N8A	.000000	.000000	.000000	4.41E-05
N8B	.000000	.000000	.000000	4.41E-05
N8C	.000000	.000000	.000000	4.41E-05
N9A	.000000	.000000	.000000	1.26E-05
N9B	.000000	.000000	.000000	1.26E-05

N9C	.000000	.000000	.000000	1.26E-05
P10	-0.043678	.000000	.000000	.000000

LOADHOTBASIN ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-2.62E-05
F3	.000000	.000000	.000000	-1.58E-05
F8	.000000	.000000	.000000	1.58E-05
F9	.000000	.000000	.000000	2.62E-05
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	-0.641761	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	0.641761	.000000	.000000	.000000
I1	-0.000450	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	0.131652	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	-0.001103	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000

L1	0.322867	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	0.324915	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	0.853004	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	2.40E-14	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	2.05E-06
E2B	.000000	.000000	.000000	2.05E-06
E3A	.000000	.000000	.000000	5.67E-06
E3B	.000000	.000000	.000000	5.67E-06
E3C	.000000	.000000	.000000	5.67E-06
E4A	.000000	.000000	.000000	1.10E-13
E4B	.000000	.000000	.000000	1.10E-13
E6A	.000000	.000000	.000000	-1.10E-13
E6B	.000000	.000000	.000000	-1.10E-13
E7A	.000000	.000000	.000000	-5.67E-06
E7B	.000000	.000000	.000000	-5.67E-06
E7C	.000000	.000000	.000000	-5.67E-06
E8A	.000000	.000000	.000000	-2.05E-06
E8B	.000000	.000000	.000000	-2.05E-06
G2A	.000000	.000000	.000000	1.34E-05
G2B	.000000	.000000	.000000	1.34E-05
G2C	.000000	.000000	.000000	1.34E-05
G3A	.000000	.000000	.000000	3.41E-05
G3B	.000000	.000000	.000000	3.41E-05
G3C	.000000	.000000	.000000	3.41E-05
G4A	.000000	.000000	.000000	6.61E-13
G6A	.000000	.000000	.000000	-6.61E-13
G7A	.000000	.000000	.000000	-3.41E-05
G7B	.000000	.000000	.000000	-3.41E-05
G7C	.000000	.000000	.000000	-3.41E-05
G8A	.000000	.000000	.000000	-1.34E-05
G8B	.000000	.000000	.000000	-1.34E-05
G8C	.000000	.000000	.000000	-1.34E-05
I10	0.000450	.000000	.000000	.000000
I1A	.000000	.000000	.000000	5.62E-05
I2A	.000000	.000000	.000000	4.17E-05
I2B	.000000	.000000	.000000	4.17E-05
I2C	.000000	.000000	.000000	4.17E-05

I3A	.000000	.000000	.000000	6.51E-05
I3B	.000000	.000000	.000000	6.51E-05
I3C	.000000	.000000	.000000	6.51E-05
I4A	.000000	.000000	.000000	1.20E-12
I6A	.000000	.000000	.000000	-1.20E-12
I7A	.000000	.000000	.000000	-6.51E-05
I7B	.000000	.000000	.000000	-6.51E-05
I7C	.000000	.000000	.000000	-6.51E-05
I8A	.000000	.000000	.000000	-4.17E-05
I8B	.000000	.000000	.000000	-4.17E-05
I8C	.000000	.000000	.000000	-4.17E-05
I9A	.000000	.000000	.000000	-5.62E-05
J10	-0.131652	.000000	.000000	.000000
K10	0.001103	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-3.29E-05
K1B	.000000	.000000	.000000	-3.29E-05
K2A	.000000	.000000	.000000	8.18E-05
K2B	.000000	.000000	.000000	8.18E-05
K2C	.000000	.000000	.000000	8.18E-05
K3A	.000000	.000000	.000000	9.33E-05
K3B	.000000	.000000	.000000	9.33E-05
K7A	.000000	.000000	.000000	-9.33E-05
K7B	.000000	.000000	.000000	-9.33E-05
K8A	.000000	.000000	.000000	-8.18E-05
K8B	.000000	.000000	.000000	-8.18E-05
K8C	.000000	.000000	.000000	-8.18E-05
K9A	.000000	.000000	.000000	3.29E-05
K9B	.000000	.000000	.000000	3.29E-05
L10	-0.322867	.000000	.000000	.000000
M10	-0.324915	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000122
M7A	.000000	.000000	.000000	-0.000122
N10	-0.853004	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-2.21E-05
N1B	.000000	.000000	.000000	-2.21E-05
N1C	.000000	.000000	.000000	-2.21E-05
N2A	.000000	.000000	.000000	0.000135
N2B	.000000	.000000	.000000	0.000135
N2C	.000000	.000000	.000000	0.000135
N8A	.000000	.000000	.000000	-0.000135
N8B	.000000	.000000	.000000	-0.000135
N8C	.000000	.000000	.000000	-0.000135
N9A	.000000	.000000	.000000	2.21E-05
N9B	.000000	.000000	.000000	2.21E-05
N9C	.000000	.000000	.000000	2.21E-05
P10	2.45E-14	.000000	.000000	.000000

LOADDRIFTELM ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000

E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-2.15E-07
F3	.000000	.000000	.000000	-2.35E-07
F8	.000000	.000000	.000000	2.35E-07
F9	.000000	.000000	.000000	2.15E-07
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	-0.032945	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	0.032945	.000000	.000000	.000000
I1	0.000183	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	-0.053543	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	0.000235	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	-0.068837	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	0.000141	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	-0.053271	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000

O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	8.11E-16	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-7.42E-07
E2B	.000000	.000000	.000000	-7.42E-07
E3A	.000000	.000000	.000000	-1.30E-06
E3B	.000000	.000000	.000000	-1.30E-06
E3C	.000000	.000000	.000000	-1.30E-06
E4A	.000000	.000000	.000000	-0.000925
E4B	.000000	.000000	.000000	0.000244
E6A	.000000	.000000	.000000	-0.000244
E6B	.000000	.000000	.000000	0.000925
E7A	.000000	.000000	.000000	1.30E-06
E7B	.000000	.000000	.000000	1.30E-06
E7C	.000000	.000000	.000000	1.30E-06
E8A	.000000	.000000	.000000	7.42E-07
E8B	.000000	.000000	.000000	7.42E-07
G2A	.000000	.000000	.000000	-4.56E-06
G2B	.000000	.000000	.000000	-4.56E-06
G2C	.000000	.000000	.000000	-4.56E-06
G3A	.000000	.000000	.000000	-7.27E-06
G3B	.000000	.000000	.000000	-7.27E-06
G3C	.000000	.000000	.000000	-7.27E-06
G4A	.000000	.000000	.000000	-0.000832
G6A	.000000	.000000	.000000	0.000832
G7A	.000000	.000000	.000000	7.27E-06
G7B	.000000	.000000	.000000	7.27E-06
G7C	.000000	.000000	.000000	7.27E-06
G8A	.000000	.000000	.000000	4.56E-06
G8B	.000000	.000000	.000000	4.56E-06
G8C	.000000	.000000	.000000	4.56E-06
I10	-0.000183	.000000	.000000	.000000
I1A	.000000	.000000	.000000	6.88E-06
I2A	.000000	.000000	.000000	-9.10E-06
I2B	.000000	.000000	.000000	-9.10E-06
I2C	.000000	.000000	.000000	-9.10E-06
I3A	.000000	.000000	.000000	-0.000369
I3B	.000000	.000000	.000000	-4.68E-05
I3C	.000000	.000000	.000000	0.000557
I4A	.000000	.000000	.000000	-0.000643
I6A	.000000	.000000	.000000	0.000643
I7A	.000000	.000000	.000000	-0.000557
I7B	.000000	.000000	.000000	4.68E-05
I7C	.000000	.000000	.000000	0.000369
I8A	.000000	.000000	.000000	9.10E-06
I8B	.000000	.000000	.000000	9.10E-06
I8C	.000000	.000000	.000000	9.10E-06
I9A	.000000	.000000	.000000	-6.88E-06
J10	0.053543	.000000	.000000	.000000
K10	-0.000235	.000000	.000000	.000000
K1A	.000000	.000000	.000000	2.29E-06
K1B	.000000	.000000	.000000	2.29E-06
K2A	.000000	.000000	.000000	-1.34E-05
K2B	.000000	.000000	.000000	-1.34E-05
K2C	.000000	.000000	.000000	-1.34E-05

K3A	.000000	.000000	.000000	-0.002314
K3B	.000000	.000000	.000000	0.001017
K7A	.000000	.000000	.000000	-0.001017
K7B	.000000	.000000	.000000	0.002314
K8A	.000000	.000000	.000000	1.34E-05
K8B	.000000	.000000	.000000	1.34E-05
K8C	.000000	.000000	.000000	1.34E-05
K9A	.000000	.000000	.000000	-2.29E-06
K9B	.000000	.000000	.000000	-2.29E-06
L10	0.068837	.000000	.000000	.000000
M10	-0.000141	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.000727
M7A	.000000	.000000	.000000	0.000727
N10	0.053271	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-7.53E-07
N1B	.000000	.000000	.000000	-7.53E-07
N1C	.000000	.000000	.000000	-7.53E-07
N2A	.000000	.000000	.000000	-1.55E-05
N2B	.000000	.000000	.000000	-1.55E-05
N2C	.000000	.000000	.000000	-1.55E-05
N8A	.000000	.000000	.000000	1.55E-05
N8B	.000000	.000000	.000000	1.55E-05
N8C	.000000	.000000	.000000	1.55E-05
N9A	.000000	.000000	.000000	7.53E-07
N9B	.000000	.000000	.000000	7.53E-07
N9C	.000000	.000000	.000000	7.53E-07
P10	8.06E-16	.000000	.000000	.000000

LOADFANMOTOR ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000

H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	.000000
E2B	.000000	.000000	.000000	.000000
E3A	.000000	.000000	.000000	.000000
E3B	.000000	.000000	.000000	.000000
E3C	.000000	.000000	.000000	.000000
E4A	.000000	.000000	.000000	.000000
E4B	.000000	.000000	.000000	.000000
E6A	.000000	.000000	.000000	.000000

E6B	.000000	.000000	.000000	.000000
E7A	.000000	.000000	.000000	.000000
E7B	.000000	.000000	.000000	.000000
E7C	.000000	.000000	.000000	.000000
E8A	.000000	.000000	.000000	.000000
E8B	.000000	.000000	.000000	.000000
G2A	.000000	.000000	.000000	.000000
G2B	.000000	.000000	.000000	.000000
G2C	.000000	.000000	.000000	.000000
G3A	.000000	.000000	.000000	.000000
G3B	.000000	.000000	.000000	.000000
G3C	.000000	.000000	.000000	.000000
G4A	.000000	.000000	.000000	.000000
G6A	.000000	.000000	.000000	.000000
G7A	.000000	.000000	.000000	.000000
G7B	.000000	.000000	.000000	.000000
G7C	.000000	.000000	.000000	.000000
G8A	.000000	.000000	.000000	.000000
G8B	.000000	.000000	.000000	.000000
G8C	.000000	.000000	.000000	.000000
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	.000000
I2A	.000000	.000000	.000000	.000000
I2B	.000000	.000000	.000000	.000000
I2C	.000000	.000000	.000000	.000000
I3A	.000000	.000000	.000000	.000000
I3B	.000000	.000000	.000000	.000000
I3C	.000000	.000000	.000000	.000000
I4A	.000000	.000000	.000000	.000000
I6A	.000000	.000000	.000000	.000000
I7A	.000000	.000000	.000000	.000000
I7B	.000000	.000000	.000000	.000000
I7C	.000000	.000000	.000000	.000000
I8A	.000000	.000000	.000000	.000000
I8B	.000000	.000000	.000000	.000000
I8C	.000000	.000000	.000000	.000000
I9A	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	.000000
K1B	.000000	.000000	.000000	.000000
K2A	.000000	.000000	.000000	.000000
K2B	.000000	.000000	.000000	.000000
K2C	.000000	.000000	.000000	.000000
K3A	.000000	.000000	.000000	.000000
K3B	.000000	.000000	.000000	.000000
K7A	.000000	.000000	.000000	.000000
K7B	.000000	.000000	.000000	.000000
K8A	.000000	.000000	.000000	.000000
K8B	.000000	.000000	.000000	.000000
K8C	.000000	.000000	.000000	.000000
K9A	.000000	.000000	.000000	.000000
K9B	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	.000000
M7A	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	.000000
N1B	.000000	.000000	.000000	.000000
N1C	.000000	.000000	.000000	.000000
N2A	.000000	.000000	.000000	.000000
N2B	.000000	.000000	.000000	.000000

N2C	.000000	.000000	.000000	.000000
N8A	.000000	.000000	.000000	.000000
N8B	.000000	.000000	.000000	.000000
N8C	.000000	.000000	.000000	.000000
N9A	.000000	.000000	.000000	.000000
N9B	.000000	.000000	.000000	.000000
N9C	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000

LOADCABLETRY ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-1.97E-05
F3	.000000	.000000	.000000	-1.81E-05
F8	.000000	.000000	.000000	-2.81E-05
F9	.000000	.000000	.000000	-2.65E-05
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	11.884491	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	11.576143	.000000	.000000	.000000
I1	0.240750	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	0.232665	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	0.372376	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000

K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	0.363619	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	0.347394	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	0.341926	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	-11.695261	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-2.48E-07
E2B	.000000	.000000	.000000	-2.48E-07
E3A	.000000	.000000	.000000	1.66E-07
E3B	.000000	.000000	.000000	1.66E-07
E3C	.000000	.000000	.000000	1.66E-07
E4A	.000000	.000000	.000000	1.63E-15
E4B	.000000	.000000	.000000	1.63E-15
E6A	.000000	.000000	.000000	-1.93E-15
E6B	.000000	.000000	.000000	-1.93E-15
E7A	.000000	.000000	.000000	-1.80E-07
E7B	.000000	.000000	.000000	-1.80E-07
E7C	.000000	.000000	.000000	-1.80E-07
E8A	.000000	.000000	.000000	-1.48E-05
E8B	.000000	.000000	.000000	-1.48E-05
G2A	.000000	.000000	.000000	-1.14E-06
G2B	.000000	.000000	.000000	-1.14E-06
G2C	.000000	.000000	.000000	-1.14E-06
G3A	.000000	.000000	.000000	7.20E-07
G3B	.000000	.000000	.000000	7.20E-07
G3C	.000000	.000000	.000000	7.20E-07
G4A	.000000	.000000	.000000	9.56E-15
G6A	.000000	.000000	.000000	-1.13E-14
G7A	.000000	.000000	.000000	-8.10E-07
G7B	.000000	.000000	.000000	-8.10E-07
G7C	.000000	.000000	.000000	-8.10E-07
G8A	.000000	.000000	.000000	-9.08E-05
G8B	.000000	.000000	.000000	-9.08E-05

G8C	.000000	.000000	.000000	-9.08E-05
I10	0.243995	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.002426
I2A	.000000	.000000	.000000	-1.52E-06
I2B	.000000	.000000	.000000	-1.52E-06
I2C	.000000	.000000	.000000	-1.52E-06
I3A	.000000	.000000	.000000	1.07E-06
I3B	.000000	.000000	.000000	1.07E-06
I3C	.000000	.000000	.000000	1.07E-06
I4A	.000000	.000000	.000000	1.67E-14
I6A	.000000	.000000	.000000	-1.99E-14
I7A	.000000	.000000	.000000	-1.25E-06
I7B	.000000	.000000	.000000	-1.25E-06
I7C	.000000	.000000	.000000	-1.25E-06
I8A	.000000	.000000	.000000	-0.000201
I8B	.000000	.000000	.000000	-0.000201
I8C	.000000	.000000	.000000	-0.000201
I9A	.000000	.000000	.000000	-0.001988
J10	-0.717317	.000000	.000000	.000000
K10	0.377421	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.000799
K1B	.000000	.000000	.000000	-0.000799
K2A	.000000	.000000	.000000	-1.59E-06
K2B	.000000	.000000	.000000	-1.59E-06
K2C	.000000	.000000	.000000	-1.59E-06
K3A	.000000	.000000	.000000	1.11E-06
K3B	.000000	.000000	.000000	1.11E-06
K7A	.000000	.000000	.000000	-1.37E-06
K7B	.000000	.000000	.000000	-1.37E-06
K8A	.000000	.000000	.000000	-0.000311
K8B	.000000	.000000	.000000	-0.000311
K8C	.000000	.000000	.000000	-0.000311
K9A	.000000	.000000	.000000	-0.000458
K9B	.000000	.000000	.000000	-0.000458
L10	-1.113399	.000000	.000000	.000000
M10	0.330469	.000000	.000000	.000000
M3A	.000000	.000000	.000000	1.13E-06
M7A	.000000	.000000	.000000	-1.43E-06
N10	-1.019812	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.000421
N1B	.000000	.000000	.000000	-0.000421
N1C	.000000	.000000	.000000	-0.000421
N2A	.000000	.000000	.000000	-1.63E-06
N2B	.000000	.000000	.000000	-1.63E-06
N2C	.000000	.000000	.000000	-1.63E-06
N8A	.000000	.000000	.000000	-0.000402
N8B	.000000	.000000	.000000	-0.000402
N8C	.000000	.000000	.000000	-0.000402
N9A	.000000	.000000	.000000	-0.000212
N9B	.000000	.000000	.000000	-0.000212
N9C	.000000	.000000	.000000	-0.000212
P10	-11.765458	.000000	.000000	.000000

LOADLOUVERWL ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000

D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-3.67E-05
F3	.000000	.000000	.000000	-2.36E-05
F8	.000000	.000000	.000000	2.36E-05
F9	.000000	.000000	.000000	3.67E-05
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	-0.713277	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	0.713277	.000000	.000000	.000000
I1	0.135659	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	0.362244	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	0.142159	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	0.386958	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	0.130115	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000

M9	.000000	.000000	.000000	.000000
N1	0.272570	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	0.054598	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	3.68E-06
E2B	.000000	.000000	.000000	3.68E-06
E3A	.000000	.000000	.000000	8.33E-07
E3B	.000000	.000000	.000000	8.33E-07
E3C	.000000	.000000	.000000	8.33E-07
E4A	.000000	.000000	.000000	6.56E-15
E4B	.000000	.000000	.000000	6.56E-15
E6A	.000000	.000000	.000000	-6.56E-15
E6B	.000000	.000000	.000000	-6.56E-15
E7A	.000000	.000000	.000000	-8.33E-07
E7B	.000000	.000000	.000000	-8.33E-07
E7C	.000000	.000000	.000000	-8.33E-07
E8A	.000000	.000000	.000000	-3.68E-06
E8B	.000000	.000000	.000000	-3.68E-06
G2A	.000000	.000000	.000000	2.11E-05
G2B	.000000	.000000	.000000	2.11E-05
G2C	.000000	.000000	.000000	2.11E-05
G3A	.000000	.000000	.000000	4.37E-06
G3B	.000000	.000000	.000000	4.37E-06
G3C	.000000	.000000	.000000	4.37E-06
G4A	.000000	.000000	.000000	3.79E-14
G6A	.000000	.000000	.000000	-3.79E-14
G7A	.000000	.000000	.000000	-4.37E-06
G7B	.000000	.000000	.000000	-4.37E-06
G7C	.000000	.000000	.000000	-4.37E-06
G8A	.000000	.000000	.000000	-2.11E-05
G8B	.000000	.000000	.000000	-2.11E-05
G8C	.000000	.000000	.000000	-2.11E-05
I10	-0.135659	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.000321
I2A	.000000	.000000	.000000	3.44E-05
I2B	.000000	.000000	.000000	3.44E-05
I2C	.000000	.000000	.000000	3.44E-05
I3A	.000000	.000000	.000000	5.01E-06
I3B	.000000	.000000	.000000	5.01E-06
I3C	.000000	.000000	.000000	5.01E-06
I4A	.000000	.000000	.000000	6.11E-14
I6A	.000000	.000000	.000000	-6.11E-14
I7A	.000000	.000000	.000000	-5.01E-06
I7B	.000000	.000000	.000000	-5.01E-06
I7C	.000000	.000000	.000000	-5.01E-06
I8A	.000000	.000000	.000000	-3.44E-05
I8B	.000000	.000000	.000000	-3.44E-05
I8C	.000000	.000000	.000000	-3.44E-05
I9A	.000000	.000000	.000000	-0.000321
J10	-0.362244	.000000	.000000	.000000

K10	-0.142159	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.000184
K1B	.000000	.000000	.000000	0.000184
K2A	.000000	.000000	.000000	3.87E-05
K2B	.000000	.000000	.000000	3.87E-05
K2C	.000000	.000000	.000000	3.87E-05
K3A	.000000	.000000	.000000	2.60E-06
K3B	.000000	.000000	.000000	2.60E-06
K7A	.000000	.000000	.000000	-2.60E-06
K7B	.000000	.000000	.000000	-2.60E-06
K8A	.000000	.000000	.000000	-3.87E-05
K8B	.000000	.000000	.000000	-3.87E-05
K8C	.000000	.000000	.000000	-3.87E-05
K9A	.000000	.000000	.000000	-0.000184
K9B	.000000	.000000	.000000	-0.000184
L10	-0.386958	.000000	.000000	.000000
M10	-0.130115	.000000	.000000	.000000
M3A	.000000	.000000	.000000	1.19E-06
M7A	.000000	.000000	.000000	-1.19E-06
N10	-0.272570	.000000	.000000	.000000
N1A	.000000	.000000	.000000	0.000133
N1B	.000000	.000000	.000000	0.000133
N1C	.000000	.000000	.000000	0.000133
N2A	.000000	.000000	.000000	4.14E-05
N2B	.000000	.000000	.000000	4.14E-05
N2C	.000000	.000000	.000000	4.14E-05
N8A	.000000	.000000	.000000	-4.14E-05
N8B	.000000	.000000	.000000	-4.14E-05
N8C	.000000	.000000	.000000	-4.14E-05
N9A	.000000	.000000	.000000	-0.000133
N9B	.000000	.000000	.000000	-0.000133
N9C	.000000	.000000	.000000	-0.000133
P10	-0.054598	.000000	.000000	.000000

LOAD SECDIST ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000

G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	.000000
E2B	.000000	.000000	.000000	.000000

E3A	.000000	.000000	.000000	.000000
E3B	.000000	.000000	.000000	.000000
E3C	.000000	.000000	.000000	.000000
E4A	.000000	.000000	.000000	.000000
E4B	.000000	.000000	.000000	.000000
E6A	.000000	.000000	.000000	.000000
E6B	.000000	.000000	.000000	.000000
E7A	.000000	.000000	.000000	.000000
E7B	.000000	.000000	.000000	.000000
E7C	.000000	.000000	.000000	.000000
E8A	.000000	.000000	.000000	.000000
E8B	.000000	.000000	.000000	.000000
G2A	.000000	.000000	.000000	.000000
G2B	.000000	.000000	.000000	.000000
G2C	.000000	.000000	.000000	.000000
G3A	.000000	.000000	.000000	.000000
G3B	.000000	.000000	.000000	.000000
G3C	.000000	.000000	.000000	.000000
G4A	.000000	.000000	.000000	.000000
G6A	.000000	.000000	.000000	.000000
G7A	.000000	.000000	.000000	.000000
G7B	.000000	.000000	.000000	.000000
G7C	.000000	.000000	.000000	.000000
G8A	.000000	.000000	.000000	.000000
G8B	.000000	.000000	.000000	.000000
G8C	.000000	.000000	.000000	.000000
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	.000000
I2A	.000000	.000000	.000000	.000000
I2B	.000000	.000000	.000000	.000000
I2C	.000000	.000000	.000000	.000000
I3A	.000000	.000000	.000000	.000000
I3B	.000000	.000000	.000000	.000000
I3C	.000000	.000000	.000000	.000000
I4A	.000000	.000000	.000000	.000000
I6A	.000000	.000000	.000000	.000000
I7A	.000000	.000000	.000000	.000000
I7B	.000000	.000000	.000000	.000000
I7C	.000000	.000000	.000000	.000000
I8A	.000000	.000000	.000000	.000000
I8B	.000000	.000000	.000000	.000000
I8C	.000000	.000000	.000000	.000000
I9A	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	.000000
K1B	.000000	.000000	.000000	.000000
K2A	.000000	.000000	.000000	.000000
K2B	.000000	.000000	.000000	.000000
K2C	.000000	.000000	.000000	.000000
K3A	.000000	.000000	.000000	.000000
K3B	.000000	.000000	.000000	.000000
K7A	.000000	.000000	.000000	.000000
K7B	.000000	.000000	.000000	.000000
K8A	.000000	.000000	.000000	.000000
K8B	.000000	.000000	.000000	.000000
K8C	.000000	.000000	.000000	.000000
K9A	.000000	.000000	.000000	.000000
K9B	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	.000000
M7A	.000000	.000000	.000000	.000000

N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	.000000
N1B	.000000	.000000	.000000	.000000
N1C	.000000	.000000	.000000	.000000
N2A	.000000	.000000	.000000	.000000
N2B	.000000	.000000	.000000	.000000
N2C	.000000	.000000	.000000	.000000
N8A	.000000	.000000	.000000	.000000
N8B	.000000	.000000	.000000	.000000
N8C	.000000	.000000	.000000	.000000
N9A	.000000	.000000	.000000	.000000
N9B	.000000	.000000	.000000	.000000
N9C	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MAX

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	0.000171
F3	.000000	.000000	.000000	0.000116
F8	.000000	.000000	.000000	0.000126
F9	.000000	.000000	.000000	0.000178
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	16.866548	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	16.558200	.000000	.000000	.000000
I1	0.557952	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	2.452187	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000

J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	0.774766	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	2.556749	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	1.232010	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	1.993586	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	12.146960	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	0.000265
E2B	.000000	.000000	.000000	0.002514
E3A	.000000	.000000	.000000	0.003607
E3B	.000000	.000000	.000000	7.49E-05
E3C	.000000	.000000	.000000	0.003599
E4A	.000000	.000000	.000000	0.001925
E4B	.000000	.000000	.000000	0.000636
E6A	.000000	.000000	.000000	0.000636
E6B	.000000	.000000	.000000	0.001925
E7A	.000000	.000000	.000000	0.003599
E7B	.000000	.000000	.000000	7.49E-05
E7C	.000000	.000000	.000000	0.003607
E8A	.000000	.000000	.000000	0.002529
E8B	.000000	.000000	.000000	0.000279
G2A	.000000	.000000	.000000	0.007143
G2B	.000000	.000000	.000000	0.001089
G2C	.000000	.000000	.000000	0.008466
G3A	.000000	.000000	.000000	0.006588
G3B	.000000	.000000	.000000	0.001366
G3C	.000000	.000000	.000000	0.007821
G4A	.000000	.000000	.000000	0.000934

G6A	.000000	.000000	.000000	0.000934
G7A	.000000	.000000	.000000	0.007821
G7B	.000000	.000000	.000000	0.001366
G7C	.000000	.000000	.000000	0.006588
G8A	.000000	.000000	.000000	0.008556
G8B	.000000	.000000	.000000	0.001179
G8C	.000000	.000000	.000000	0.007232
I10	0.561197	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.003455
I2A	.000000	.000000	.000000	0.008237
I2B	.000000	.000000	.000000	0.001804
I2C	.000000	.000000	.000000	0.009769
I3A	.000000	.000000	.000000	0.006033
I3B	.000000	.000000	.000000	0.001872
I3C	.000000	.000000	.000000	0.007198
I4A	.000000	.000000	.000000	0.000844
I6A	.000000	.000000	.000000	0.000844
I7A	.000000	.000000	.000000	0.007198
I7B	.000000	.000000	.000000	0.001872
I7C	.000000	.000000	.000000	0.006033
I8A	.000000	.000000	.000000	0.009968
I8B	.000000	.000000	.000000	0.002003
I8C	.000000	.000000	.000000	0.008436
I9A	.000000	.000000	.000000	0.003017
J10	2.936839	.000000	.000000	.000000
K10	0.779810	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.002892
K1B	.000000	.000000	.000000	0.002520
K2A	.000000	.000000	.000000	0.009329
K2B	.000000	.000000	.000000	0.001524
K2C	.000000	.000000	.000000	0.010498
K3A	.000000	.000000	.000000	0.005302
K3B	.000000	.000000	.000000	0.003181
K7A	.000000	.000000	.000000	0.003181
K7B	.000000	.000000	.000000	0.005302
K8A	.000000	.000000	.000000	0.010808
K8B	.000000	.000000	.000000	0.001834
K8C	.000000	.000000	.000000	0.009638
K9A	.000000	.000000	.000000	0.002179
K9B	.000000	.000000	.000000	0.002550
L10	3.306529	.000000	.000000	.000000
M10	1.215085	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.001676
M7A	.000000	.000000	.000000	0.001677
N10	2.671472	.000000	.000000	.000000
N1A	.000000	.000000	.000000	0.002720
N1B	.000000	.000000	.000000	0.001479
N1C	.000000	.000000	.000000	0.002256
N2A	.000000	.000000	.000000	0.001882
N2B	.000000	.000000	.000000	0.000744
N2C	.000000	.000000	.000000	0.001451
N8A	.000000	.000000	.000000	0.001851
N8B	.000000	.000000	.000000	0.001144
N8C	.000000	.000000	.000000	0.002283
N9A	.000000	.000000	.000000	0.002048
N9B	.000000	.000000	.000000	0.001271
N9C	.000000	.000000	.000000	0.002512
P10	12.217157	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000

2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-0.000171
F3	.000000	.000000	.000000	-0.000116
F8	.000000	.000000	.000000	-0.000126
F9	.000000	.000000	.000000	-0.000178
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	-16.866548	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	-16.558200	.000000	.000000	.000000
I1	-0.557952	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	-2.452187	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	-0.774766	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	-2.556749	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	-1.232010	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000

M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	-1.993586	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	-12.146960	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-0.000265
E2B	.000000	.000000	.000000	-0.002514
E3A	.000000	.000000	.000000	-0.003607
E3B	.000000	.000000	.000000	-7.49E-05
E3C	.000000	.000000	.000000	-0.003599
E4A	.000000	.000000	.000000	-0.001925
E4B	.000000	.000000	.000000	-0.000636
E6A	.000000	.000000	.000000	-0.000636
E6B	.000000	.000000	.000000	-0.001925
E7A	.000000	.000000	.000000	-0.003599
E7B	.000000	.000000	.000000	-7.49E-05
E7C	.000000	.000000	.000000	-0.003607
E8A	.000000	.000000	.000000	-0.002529
E8B	.000000	.000000	.000000	-0.000279
G2A	.000000	.000000	.000000	-0.007143
G2B	.000000	.000000	.000000	-0.001089
G2C	.000000	.000000	.000000	-0.008466
G3A	.000000	.000000	.000000	-0.006588
G3B	.000000	.000000	.000000	-0.001366
G3C	.000000	.000000	.000000	-0.007821
G4A	.000000	.000000	.000000	-0.000934
G6A	.000000	.000000	.000000	-0.000934
G7A	.000000	.000000	.000000	-0.007821
G7B	.000000	.000000	.000000	-0.001366
G7C	.000000	.000000	.000000	-0.006588
G8A	.000000	.000000	.000000	-0.008556
G8B	.000000	.000000	.000000	-0.001179
G8C	.000000	.000000	.000000	-0.007232
I10	-0.561197	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.003455
I2A	.000000	.000000	.000000	-0.008237
I2B	.000000	.000000	.000000	-0.001804
I2C	.000000	.000000	.000000	-0.009769
I3A	.000000	.000000	.000000	-0.006033
I3B	.000000	.000000	.000000	-0.001872
I3C	.000000	.000000	.000000	-0.007198
I4A	.000000	.000000	.000000	-0.000844
I6A	.000000	.000000	.000000	-0.000844
I7A	.000000	.000000	.000000	-0.007198
I7B	.000000	.000000	.000000	-0.001872

I7C	.000000	.000000	.000000	-0.006033
I8A	.000000	.000000	.000000	-0.009968
I8B	.000000	.000000	.000000	-0.002003
I8C	.000000	.000000	.000000	-0.008436
I9A	.000000	.000000	.000000	-0.003017
J10	-2.936839	.000000	.000000	.000000
K10	-0.779810	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.002892
K1B	.000000	.000000	.000000	-0.002520
K2A	.000000	.000000	.000000	-0.009329
K2B	.000000	.000000	.000000	-0.001524
K2C	.000000	.000000	.000000	-0.010498
K3A	.000000	.000000	.000000	-0.005302
K3B	.000000	.000000	.000000	-0.003181
K7A	.000000	.000000	.000000	-0.003181
K7B	.000000	.000000	.000000	-0.005302
K8A	.000000	.000000	.000000	-0.010808
K8B	.000000	.000000	.000000	-0.001834
K8C	.000000	.000000	.000000	-0.009638
K9A	.000000	.000000	.000000	-0.002179
K9B	.000000	.000000	.000000	-0.002550
L10	-3.306529	.000000	.000000	.000000
M10	-1.215085	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.001676
M7A	.000000	.000000	.000000	-0.001677
N10	-2.671472	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.002720
N1B	.000000	.000000	.000000	-0.001479
N1C	.000000	.000000	.000000	-0.002256
N2A	.000000	.000000	.000000	-0.001882
N2B	.000000	.000000	.000000	-0.000744
N2C	.000000	.000000	.000000	-0.001451
N8A	.000000	.000000	.000000	-0.001851
N8B	.000000	.000000	.000000	-0.001144
N8C	.000000	.000000	.000000	-0.002283
N9A	.000000	.000000	.000000	-0.002048
N9B	.000000	.000000	.000000	-0.001271
N9C	.000000	.000000	.000000	-0.002512
P10	-12.217157	.000000	.000000	.000000

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R E S T R A I N T F O R C E S (R E A C T I O N S)

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

LOAD DEAD ----------

JOINT	FX	FY	FZ	MY
D2	.000000	.000000	330.159249	.000000
D3	.000000	.000000	226.590921	.000000
D4	.000000	.000000	161.127333	.000000
D5	.000000	.000000	161.127322	.000000
D6	.000000	.000000	161.127322	.000000
D7	.000000	.000000	161.127333	.000000
D8	.000000	.000000	226.590921	.000000
D9	.000000	.000000	330.159249	.000000

LOADMANIFOLD ----------

JOINT	FX	FY	FZ	MY
D2	.000000	.000000	1893.689	.000000
D3	.000000	.000000	1894.311	.000000
D4	.000000	.000000	3.99E-05	.000000
D5	.000000	.000000	1.34E-13	.000000
D6	.000000	.000000	1.34E-13	.000000
D7	.000000	.000000	3.99E-05	.000000
D8	.000000	.000000	1894.311	.000000
D9	.000000	.000000	1893.689	.000000

LOAD TBAR ----------

JOINT	FX	FY	FZ	MY
D2	.000000	.000000	1073.590	.000000
D3	.000000	.000000	1116.463	.000000
D4	.000000	.000000	331.446435	.000000
D5	.000000	.000000	6.499994	.000000
D6	.000000	.000000	6.499994	.000000
D7	.000000	.000000	331.446435	.000000
D8	.000000	.000000	1116.463	.000000
D9	.000000	.000000	1073.590	.000000

LOADTOPCOVER ----------

JOINT	FX	FY	FZ	MY
D2	.000000	.000000	1225.698	.000000
D3	.000000	.000000	957.301931	.000000
D4	.000000	.000000	873.000001	.000000
D5	.000000	.000000	873.000000	.000000
D6	.000000	.000000	873.000000	.000000
D7	.000000	.000000	873.000001	.000000
D8	.000000	.000000	957.301931	.000000
D9	.000000	.000000	1225.698	.000000

LOAD PEWALLS ----------

JOINT	FX	FY	FZ	MY
D2	.000000	.000000	1430.601	.000000
D3	.000000	.000000	1321.399	.000000
D4	.000000	.000000	1244.000	.000000
D5	.000000	.000000	1228.000	.000000
D6	.000000	.000000	1228.000	.000000
D7	.000000	.000000	1244.000	.000000
D8	.000000	.000000	1321.399	.000000
D9	.000000	.000000	1430.601	.000000

LOADHOTBASIN ----------

JOINT	FX	FY	FZ	MY
D2	.000000	.000000	1211.254	.000000
D3	.000000	.000000	444.745931	.000000
D4	.000000	.000000	8.65E-06	.000000
D5	.000000	.000000	2.90E-14	.000000
D6	.000000	.000000	2.90E-14	.000000
D7	.000000	.000000	8.65E-06	.000000
D8	.000000	.000000	444.745931	.000000
D9	.000000	.000000	1211.254	.000000

LOADDRIFTELM ----------

JOINT	FX	FY	FZ	MY
D2	.000000	.000000	0.251766	.000000
D3	.000000	.000000	58.319094	.000000

D4	.000000	.000000	160.512503	.000000
D5	.000000	.000000	40.916637	.000000
D6	.000000	.000000	40.916637	.000000
D7	.000000	.000000	160.512503	.000000
D8	.000000	.000000	58.319094	.000000
D9	.000000	.000000	0.251766	.000000

LOADFANMOTOR ----------

JOINT	FX	FY	FZ	MY
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000

LOADCABLETRY ----------

JOINT	FX	FY	FZ	MY
D2	.000000	.000000	-12.981419	.000000
D3	.000000	.000000	12.981419	.000000
D4	.000000	.000000	1.28E-07	.000000
D5	.000000	.000000	4.09E-16	.000000
D6	.000000	.000000	4.87E-16	.000000
D7	.000000	.000000	1.51E-07	.000000
D8	.000000	.000000	14.128633	.000000
D9	.000000	.000000	2341.871	.000000

LOADLOUVERWL ----------

JOINT	FX	FY	FZ	MY
D2	.000000	.000000	719.719059	.000000
D3	.000000	.000000	65.280941	.000000
D4	.000000	.000000	5.14E-07	.000000
D5	.000000	.000000	1.56E-15	.000000
D6	.000000	.000000	1.56E-15	.000000
D7	.000000	.000000	5.14E-07	.000000
D8	.000000	.000000	65.280941	.000000
D9	.000000	.000000	719.719059	.000000

LOAD SECDIST ----------

JOINT	FX	FY	FZ	MY
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MAX

JOINT	FX	FY	FZ	MY
D2	.000000	.000000	7897.943	.000000
D3	.000000	.000000	6097.394	.000000
D4	.000000	.000000	2770.086	.000000
D5	.000000	.000000	2309.544	.000000
D6	.000000	.000000	2309.544	.000000

D7	.000000	.000000	2770.086	.000000
D8	.000000	.000000	6098.541	.000000
D9	.000000	.000000	10226.833	.000000

COMBDEADLOAD ---------- MIN

JOINT	FX	FY	FZ	MY
D2	.000000	.000000	-7897.943	.000000
D3	.000000	.000000	-6097.394	.000000
D4	.000000	.000000	-2770.086	.000000
D5	.000000	.000000	-2309.544	.000000
D6	.000000	.000000	-2309.544	.000000
D7	.000000	.000000	-2770.086	.000000
D8	.000000	.000000	-6098.541	.000000
D9	.000000	.000000	-10226.833	.000000

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C O N S T R A I N T F O R C E S

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

LOAD DEAD ----------

JOINT	FX	FY	FZ	MY
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P4	8.88E-16	.000000	.000000	.000000
P7	-8.88E-16	.000000	.000000	.000000

LOADMANIFOLD ----------

JOINT	FX	FY	FZ	MY
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P4	2.76E-27	.000000	.000000	.000000
P7	2.76E-27	.000000	.000000	.000000

LOAD TBAR ----------

JOINT	FX	FY	FZ	MY
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P4	1.89E-28	.000000	.000000	.000000
P7	8.20E-28	.000000	.000000	.000000

LOADTOPCOVER ----------

JOINT	FX	FY	FZ	MY
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P4	-1.42E-14	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000

LOAD PEWALLS ----------

JOINT	FX	FY	FZ	MY
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P4	1.78E-15	.000000	.000000	.000000

```
     P7   -1.78E-15     .000000     .000000     .000000

LOADHOTBASIN ------------------

  JOINT          FX          FY          FZ          MY
     O4     .000000     .000000     .000000     .000000
     O7     .000000     .000000     .000000     .000000
     P4    4.58E-27     .000000     .000000     .000000
     P7    1.10E-26     .000000     .000000     .000000

LOADDRIFTELM ------------------

  JOINT          FX          FY          FZ          MY
     O4     .000000     .000000     .000000     .000000
     O7     .000000     .000000     .000000     .000000
     P4    2.91E-28     .000000     .000000     .000000
     P7   -1.13E-28     .000000     .000000     .000000

LOADFANMOTOR ------------------

  JOINT          FX          FY          FZ          MY
     O4     .000000     .000000     .000000     .000000
     O7     .000000     .000000     .000000     .000000
     P4     .000000     .000000     .000000     .000000
     P7     .000000     .000000     .000000     .000000

LOADCABLETRY ------------------

  JOINT          FX          FY          FZ          MY
     O4     .000000     .000000     .000000     .000000
     O7     .000000     .000000     .000000     .000000
     P4    2.78E-12     .000000     .000000     .000000
     P7   -3.09E-12     .000000     .000000     .000000

LOADLOUVERWL ------------------

  JOINT          FX          FY          FZ          MY
     O4     .000000     .000000     .000000     .000000
     O7     .000000     .000000     .000000     .000000
     P4    3.55E-15     .000000     .000000     .000000
     P7   -7.11E-15     .000000     .000000     .000000

LOAD SECDIST ------------------

  JOINT          FX          FY          FZ          MY
     O4     .000000     .000000     .000000     .000000
     O7     .000000     .000000     .000000     .000000
     P4     .000000     .000000     .000000     .000000
     P7     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MAX

  JOINT          FX          FY          FZ          MY
     O4     .000000     .000000     .000000     .000000
     O7     .000000     .000000     .000000     .000000
     P4    2.80E-12     .000000     .000000     .000000
     P7    3.10E-12     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

  JOINT          FX          FY          FZ          MY
     O4     .000000     .000000     .000000     .000000
     O7     .000000     .000000     .000000     .000000
```

```
     P4   -2.80E-12     .000000     .000000     .000000
     P7   -3.10E-12     .000000     .000000     .000000


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G L O B A L   F O R C E   B A L A N C E

TOTAL FORCE AND MOMENT AT THE ORIGIN, IN GLOBAL COORDINATES

LOAD    DEAD ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED   -2.44E-15   -1.24E-30   -1758.010 -210961.158  609370.095    2.93E-13
SPRINGS    7.77E-14     .000000     .000000     .000000    6.13E-11   -9.33E-12
REACTNS     .000000     .000000    1758.010  210961.158 -609370.095     .000000
CONSTRS     .000000     .000000     .000000     .000000     .000000     .000000

  TOTAL    7.53E-14   -1.24E-30    6.82E-13    1.46E-10    8.15E-10   -9.04E-12

LOADMANIFOLD ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000   -7576.000 -909120.000  2.6260E+06     .000000
SPRINGS    1.21E-12     .000000     .000000     .000000    5.95E-10   -1.45E-10
REACTNS     .000000     .000000    7576.000  909120.000 -2.6260E+06     .000000
CONSTRS    5.53E-27     .000000     .000000     .000000    3.62E-24   -6.63E-25

  TOTAL    1.21E-12     .000000   -2.73E-12   -2.33E-10    7.45E-09   -1.45E-10

LOAD    TBAR ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000   -5056.000 -606720.000  1.7525E+06     .000000
SPRINGS    4.63E-13     .000000     .000000     .000000    2.54E-10   -5.56E-11
REACTNS     .000000     .000000    5056.000  606720.000 -1.7525E+06     .000000
CONSTRS    1.01E-27     .000000     .000000     .000000    6.60E-25   -1.21E-25

  TOTAL    4.63E-13     .000000   -1.82E-12     .000000    3.03E-09   -5.56E-11

LOADTOPCOVER ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000   -7858.000 -942960.000  2.7238E+06     .000000
SPRINGS    4.35E-13     .000000     .000000     .000000    5.01E-10   -5.22E-11
REACTNS     .000000     .000000    7858.000  942960.000 -2.7238E+06     .000000
CONSTRS   -1.42E-14     .000000     .000000     .000000   -9.29E-12    1.71E-12

  TOTAL    4.21E-13     .000000     .000000   -1.16E-10    4.18E-09   -5.05E-11

LOAD PEWALLS ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000  -10448.000 -1.2538E+06  3.6215E+06     .000000
SPRINGS    1.55E-12     .000000     .000000     .000000    8.81E-10   -1.86E-10
REACTNS     .000000     .000000   10448.000  1.2538E+06 -3.6215E+06     .000000
CONSTRS     .000000     .000000     .000000     .000000     .000000     .000000

  TOTAL    1.55E-12     .000000   -1.82E-12     .000000    4.19E-09   -1.86E-10

LOADHOTBASIN ------------------
```

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-3312.000	-397440.000	1.1480E+06	.000000
SPRINGS	-6.63E-12	.000000	.000000	.000000	-3.30E-09	7.96E-10
REACTNS	.000000	.000000	3312.000	397440.000	-1.1480E+06	.000000
CONSTRS	1.56E-26	.000000	.000000	.000000	1.02E-23	-1.88E-24
TOTAL	-6.63E-12	.000000	-2.73E-12	-4.07E-10	1.40E-09	7.96E-10

LOADDRIFTELM ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-520.000000	-62400.000	180245.000	.000000
SPRINGS	4.82E-13	.000000	.000000	.000000	2.54E-10	-5.78E-11
REACTNS	.000000	.000000	520.000000	62400.000	-180245.000	.000000
CONSTRS	1.79E-28	.000000	.000000	.000000	1.17E-25	-2.15E-26
TOTAL	4.82E-13	.000000	1.14E-13	1.46E-11	1.75E-10	-5.78E-11

LOADFANMOTOR ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	.000000	.000000	.000000	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	.000000	.000000	.000000	.000000

LOADCABLETRY ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-2356.000	-282720.000	1.4189E+06	.000000
SPRINGS	-6.74E-11	.000000	.000000	.000000	-8598.849	8.08E-09
REACTNS	.000000	.000000	2356.000	282720.000	-1.4103E+06	.000000
CONSTRS	-3.11E-13	.000000	.000000	.000000	-2.03E-10	3.73E-11
TOTAL	-6.77E-11	.000000	-2.36E-11	-2.85E-09	1.66E-09	8.12E-09

LOADLOUVERWL ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-1570.000	-188400.000	544201.250	.000000
SPRINGS	-4.48E-13	.000000	.000000	.000000	-1.38E-10	5.37E-11
REACTNS	.000000	.000000	1570.000	188400.000	-544201.250	.000000
CONSTRS	-3.55E-15	.000000	.000000	.000000	-2.32E-12	4.26E-13
TOTAL	-4.51E-13	.000000	-9.09E-13	-1.46E-10	1.51E-09	5.41E-11

LOAD SECDIST ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	.000000	.000000	.000000	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MAX

	FX	FY	FZ	MX	MY	MZ
APPLIED	2.44E-15	1.24E-30	40454.010	4.8545E+06	1.4625E+07	2.93E-13

```
SPRINGS    7.87E-11     .000000     .000000     .000000    8598.849    9.44E-09
REACTNS     .000000     .000000   40454.010  4.8545E+06  1.4616E+07     .000000
CONSTRS    3.29E-13     .000000     .000000     .000000    2.15E-10    3.94E-11

  TOTAL    7.90E-11    1.24E-30    3.44E-11    3.91E-09    2.44E-08    9.48E-09

COMBDEADLOAD ------------------ MIN

                FX          FY          FZ          MX          MY          MZ
APPLIED   -2.44E-15   -1.24E-30  -40454.010 -4.8545E+06 -1.4625E+07   -2.93E-13
SPRINGS   -7.87E-11     .000000     .000000     .000000   -8598.849   -9.44E-09
REACTNS     .000000     .000000  -40454.010 -4.8545E+06 -1.4616E+07     .000000
CONSTRS   -3.29E-13     .000000     .000000     .000000   -2.15E-10   -3.94E-11

  TOTAL   -7.90E-11   -1.24E-30   -3.44E-11   -3.91E-09   -2.44E-08   -9.48E-09


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F R A M E   E L E M E N T   I N T E R N A L   F O R C E S

ELEM       1 ================== LENGTH =   91.522018

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  607.089344    2.244472    2.72E-16     .000000     .000000     .000000
0.50000  598.479100    1.26E-17    2.38E-32     .000000    6.22E-15   51.354661
1.00000  589.868857    2.244472    2.72E-16     .000000    1.11E-30    1.08E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -607.089344   -2.244472   -2.72E-16     .000000     .000000     .000000
0.50000 -598.479100   -1.26E-17   -2.38E-32     .000000   -6.22E-15  -51.354661
1.00000 -589.868857   -2.244472   -2.72E-16     .000000   -1.11E-30   -1.08E-14

ELEM       2 ================== LENGTH =    6.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  186.535644  117.852658    1.71E-15     .000000     .000000     .000000
0.25000  186.535644  117.623491    1.68E-15     .000000    2.55E-15  176.607111
0.50000  186.535644  117.394324    1.66E-15     .000000    5.05E-15  352.870473
0.75000  186.535644  117.165158    1.63E-15     .000000    7.52E-15  528.790084
1.00000  186.535644  116.935991    1.60E-15     .000000    9.94E-15  704.365945

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -186.535644 -117.852658   -1.71E-15     .000000     .000000     .000000
0.25000 -186.535644 -117.623491   -1.68E-15     .000000   -2.55E-15 -176.607111
0.50000 -186.535644 -117.394324   -1.66E-15     .000000   -5.05E-15 -352.870473
0.75000 -186.535644 -117.165158   -1.63E-15     .000000   -7.52E-15 -528.790084
1.00000 -186.535644 -116.935991   -1.60E-15     .000000   -9.94E-15 -704.365945

ELEM       3 ================== LENGTH =   35.588312

COMBDEADLOAD ------------------ MAX
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    1343.005    0.872764    1.06E-16     .000000     .000000     .000000
0.50000    1339.657    2.74E-16    4.16E-32     .000000    9.40E-16    7.765049
1.00000    1336.309    0.872764    1.06E-16     .000000    1.55E-30    9.73E-15

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1343.005   -0.872764   -1.06E-16     .000000     .000000     .000000
0.50000   -1339.657   -2.74E-16   -4.16E-32     .000000   -9.40E-16   -7.765049
1.00000   -1336.309   -0.872764   -1.06E-16     .000000   -1.55E-30   -9.73E-15

ELEM       4 ================== LENGTH =   49.604034

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1473.835    1.216483    1.47E-16     .000000     .000000     .000000
0.50000    1469.169    2.77E-16    1.47E-32     .000000    1.83E-15   15.085621
1.00000    1464.502    1.216483    1.47E-16     .000000    1.09E-30    1.34E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1473.835   -1.216483   -1.47E-16     .000000     .000000     .000000
0.50000   -1469.169   -2.77E-16   -1.47E-32     .000000   -1.83E-15  -15.085621
1.00000   -1464.502   -1.216483   -1.47E-16     .000000   -1.09E-30   -1.34E-14

ELEM       5 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  186.535644   67.935991    9.07E-16     .000000    5.64E-15  704.364770
0.25000  186.535644   67.019324    7.96E-16     .000000    9.56E-15    1109.230
0.50000  186.535644   66.102657    6.85E-16     .000000    1.40E-14    1508.596
0.75000  186.535644   65.185991    7.39E-16     .000000    1.78E-14    1902.461
1.00000  186.535644   64.269324    8.50E-16     .000000    2.09E-14    2290.827

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -186.535644  -67.935991   -9.07E-16     .000000   -5.64E-15 -704.364770
0.25000 -186.535644  -67.019324   -7.96E-16     .000000   -9.56E-15   -1109.230
0.50000 -186.535644  -66.102657   -6.85E-16     .000000   -1.40E-14   -1508.596
0.75000 -186.535644  -65.185991   -7.39E-16     .000000   -1.78E-14   -1902.461
1.00000 -186.535644  -64.269324   -8.50E-16     .000000   -2.09E-14   -2290.827

ELEM       6 ================== LENGTH =   94.625000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  162.207110    7.228299    8.75E-16     .000000     .000000     .000000
0.25000  162.207110    3.614150    4.38E-16     .000000    1.55E-14  128.245840
0.50000  162.207110    4.37E-15    8.84E-32     .000000    2.07E-14  170.994453
0.75000  162.207110    3.614150    4.38E-16     .000000    1.55E-14  128.245840
1.00000  162.207110    7.228299    8.75E-16     .000000    6.46E-30    4.11E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -162.207110   -7.228299   -8.75E-16     .000000     .000000     .000000
```

```
0.25000 -162.207110   -3.614150   -4.38E-16     .000000   -1.55E-14 -128.245840
0.50000 -162.207110   -4.37E-15   -8.84E-32     .000000   -2.07E-14 -170.994453
0.75000 -162.207110   -3.614150   -4.38E-16     .000000   -1.55E-14 -128.245840
1.00000 -162.207110   -7.228299   -8.75E-16     .000000   -6.46E-30   -4.11E-13

ELEM       7 ================== LENGTH =   49.604034

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1625.829    1.216483    1.47E-16     .000000     .000000     .000000
0.50000    1621.162    3.05E-16    2.33E-32     .000000    1.83E-15   15.085621
1.00000    1616.495    1.216483    1.47E-16     .000000    1.24E-30    1.70E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1625.829   -1.216483   -1.47E-16     .000000     .000000     .000000
0.50000   -1621.162   -3.05E-16   -2.33E-32     .000000   -1.83E-15  -15.085621
1.00000   -1616.495   -1.216483   -1.47E-16     .000000   -1.24E-30   -1.70E-14

ELEM       8 ================== LENGTH =    4.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   67.927067  116.009342    3.73E-15     .000000     .000000     .000000
0.25000   67.927067  115.912120    3.72E-15     .000000    3.72E-15  115.960731
0.50000   67.927067  115.814897    3.70E-15     .000000    7.43E-15  231.824239
0.75000   67.927067  115.717675    3.69E-15     .000000    1.11E-14  347.590526
1.00000   67.927067  115.620453    3.68E-15     .000000    1.48E-14  463.259590

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -67.927067 -116.009342   -3.73E-15     .000000     .000000     .000000
0.25000  -67.927067 -115.912120   -3.72E-15     .000000   -3.72E-15 -115.960731
0.50000  -67.927067 -115.814897   -3.70E-15     .000000   -7.43E-15 -231.824239
0.75000  -67.927067 -115.717675   -3.69E-15     .000000   -1.11E-14 -347.590526
1.00000  -67.927067 -115.620453   -3.68E-15     .000000   -1.48E-14 -463.259590

ELEM       9 ================== LENGTH =   49.604034

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1895.194    1.216483    1.47E-16     .000000     .000000     .000000
0.50000    1890.527    3.17E-16    7.49E-33     .000000    1.83E-15   15.085621
1.00000    1885.860    1.216483    1.47E-16     .000000    6.45E-32    1.39E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1895.194   -1.216483   -1.47E-16     .000000     .000000     .000000
0.50000   -1890.527   -3.17E-16   -7.49E-33     .000000   -1.83E-15  -15.085621
1.00000   -1885.860   -1.216483   -1.47E-16     .000000   -6.45E-32   -1.39E-14

ELEM      10 ================== LENGTH =   62.562000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   33.323617    3.041209    3.68E-16     .000000     .000000     .000000
```

0.25000	33.323617	1.520604	1.84E-16	.000000	4.32E-15	35.674517
0.50000	33.323617	4.21E-16	3.88E-32	.000000	5.76E-15	47.566023
0.75000	33.323617	1.520604	1.84E-16	.000000	4.32E-15	35.674517
1.00000	33.323617	3.041209	3.68E-16	.000000	2.77E-30	3.93E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-33.323617	-3.041209	-3.68E-16	.000000	.000000	.000000
0.25000	-33.323617	-1.520604	-1.84E-16	.000000	-4.32E-15	-35.674517
0.50000	-33.323617	-4.21E-16	-3.88E-32	.000000	-5.76E-15	-47.566023
0.75000	-33.323617	-1.520604	-1.84E-16	.000000	-4.32E-15	-35.674517
1.00000	-33.323617	-3.041209	-3.68E-16	.000000	-2.77E-30	-3.93E-14

ELEM 11 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	186.535644	22.493667	4.36E-16	.000000	2.02E-14	2290.827
0.25000	186.535644	21.647429	3.25E-16	.000000	1.98E-14	2163.692
0.50000	186.535644	22.564096	2.34E-16	.000000	1.87E-14	2031.058
0.75000	186.535644	23.480763	3.45E-16	.000000	1.70E-14	1892.923
1.00000	186.535644	24.397430	4.56E-16	.000000	1.49E-14	1749.289

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-186.535644	-22.493667	-4.36E-16	.000000	-2.02E-14	-2290.827
0.25000	-186.535644	-21.647429	-3.25E-16	.000000	-1.98E-14	-2163.692
0.50000	-186.535644	-22.564096	-2.34E-16	.000000	-1.87E-14	-2031.058
0.75000	-186.535644	-23.480763	-3.45E-16	.000000	-1.70E-14	-1892.923
1.00000	-186.535644	-24.397430	-4.56E-16	.000000	-1.49E-14	-1749.289

ELEM 12 ========== LENGTH = 50.049600

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	40.122441	2.432967	2.95E-16	.000000	.000000	.000000
0.25000	40.122441	1.216483	1.47E-16	.000000	2.77E-15	22.831691
0.50000	40.122441	9.34E-16	2.04E-31	.000000	3.69E-15	30.442255
0.75000	40.122441	1.216483	1.47E-16	.000000	2.77E-15	22.831691
1.00000	40.122441	2.432967	2.95E-16	.000000	1.02E-29	4.61E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-40.122441	-2.432967	-2.95E-16	.000000	.000000	.000000
0.25000	-40.122441	-1.216483	-1.47E-16	.000000	-2.77E-15	-22.831691
0.50000	-40.122441	-9.34E-16	-2.04E-31	.000000	-3.69E-15	-30.442255
0.75000	-40.122441	-1.216483	-1.47E-16	.000000	-2.77E-15	-22.831691
1.00000	-40.122441	-2.432967	-2.95E-16	.000000	-1.02E-29	-4.61E-14

ELEM 13 ========== LENGTH = 49.604034

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2045.930	1.216483	1.47E-16	.000000	.000000	.000000
0.50000	2041.263	2.77E-16	1.47E-32	.000000	1.83E-15	15.085621
1.00000	2036.596	1.216483	1.47E-16	.000000	1.09E-30	1.34E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2045.930	-1.216483	-1.47E-16	.000000	.000000	.000000
0.50000	-2041.263	-2.77E-16	-1.47E-32	.000000	-1.83E-15	-15.085621
1.00000	-2036.596	-1.216483	-1.47E-16	.000000	-1.09E-30	-1.34E-14

ELEM 14 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	67.927067	29.620453	8.08E-16	.000000	1.01E-14	463.258919
0.25000	67.927067	29.037120	7.37E-16	.000000	1.41E-14	639.230734
0.50000	67.927067	28.453786	6.67E-16	.000000	1.83E-14	811.702549
0.75000	67.927067	28.498781	7.25E-16	.000000	2.21E-14	980.674850
1.00000	67.927067	29.082114	7.95E-16	.000000	2.58E-14	1146.148

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-67.927067	-29.620453	-8.08E-16	.000000	-1.01E-14	-463.258919
0.25000	-67.927067	-29.037120	-7.37E-16	.000000	-1.41E-14	-639.230734
0.50000	-67.927067	-28.453786	-6.67E-16	.000000	-1.83E-14	-811.702549
0.75000	-67.927067	-28.498781	-7.25E-16	.000000	-2.21E-14	-980.674850
1.00000	-67.927067	-29.082114	-7.95E-16	.000000	-2.58E-14	-1146.148

ELEM 15 ========== LENGTH = 25.024800

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	39.750201	1.216483	1.47E-16	.000000	.000000	.000000
0.25000	39.750201	0.608242	7.37E-17	.000000	6.91E-16	5.707923
0.50000	39.750201	2.61E-16	2.49E-32	.000000	9.22E-16	7.610564
0.75000	39.750201	0.608242	7.37E-17	.000000	6.91E-16	5.707923
1.00000	39.750201	1.216483	1.47E-16	.000000	6.79E-31	4.84E-15

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-39.750201	-1.216483	-1.47E-16	.000000	.000000	.000000
0.25000	-39.750201	-0.608242	-7.37E-17	.000000	-6.91E-16	-5.707923
0.50000	-39.750201	-2.61E-16	-2.49E-32	.000000	-9.22E-16	-7.610564
0.75000	-39.750201	-0.608242	-7.37E-17	.000000	-6.91E-16	-5.707923
1.00000	-39.750201	-1.216483	-1.47E-16	.000000	-6.79E-31	-4.84E-15

ELEM 16 ========== LENGTH = 4.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	50.742960	50.271656	1.62E-15	.000000	.000000	.000000
0.25000	50.742960	50.174434	1.61E-15	.000000	1.62E-15	50.223045
0.50000	50.742960	50.077212	1.60E-15	.000000	3.22E-15	100.348868
0.75000	50.742960	49.979989	1.59E-15	.000000	4.81E-15	150.377468
1.00000	50.742960	49.882767	1.60E-15	.000000	6.40E-15	200.308846

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-50.742960	-50.271656	-1.62E-15	.000000	.000000	.000000
0.25000	-50.742960	-50.174434	-1.61E-15	.000000	-1.62E-15	-50.223045

```
0.50000  -50.742960  -50.077212   -1.60E-15     .000000   -3.22E-15 -100.348868
0.75000  -50.742960  -49.979989   -1.59E-15     .000000   -4.81E-15 -150.377468
1.00000  -50.742960  -49.882767   -1.60E-15     .000000   -6.40E-15 -200.308846

ELEM      17 ================== LENGTH =   49.604034

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2247.360    1.216483    1.47E-16     .000000     .000000     .000000
0.50000    2242.693    3.32E-16    2.08E-32     .000000    1.83E-15   15.085621
1.00000    2238.027    1.216483    1.47E-16     .000000    1.09E-30    1.87E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2247.360   -1.216483   -1.47E-16     .000000     .000000     .000000
0.50000   -2242.693   -3.32E-16   -2.08E-32     .000000   -1.83E-15  -15.085621
1.00000   -2238.027   -1.216483   -1.47E-16     .000000   -1.09E-30   -1.87E-14

ELEM      18 ================== LENGTH =   17.539000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  186.535644   98.397430    1.08E-15     .000000    1.62E-14    1749.291
0.25000  186.535644   99.067322    1.00E-15     .000000    1.27E-14    1316.374
0.50000  186.535644   99.737214    9.25E-16     .000000    8.82E-15  880.520123
0.75000  186.535644  100.407107    1.01E-15     .000000    4.59E-15  441.728717
1.00000  186.535644  101.076999    1.09E-15     .000000    3.16E-29    4.35E-12

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -186.535644  -98.397430   -1.08E-15     .000000   -1.62E-14   -1749.291
0.25000 -186.535644  -99.067322   -1.00E-15     .000000   -1.27E-14   -1316.374
0.50000 -186.535644  -99.737214   -9.25E-16     .000000   -8.82E-15 -880.520123
0.75000 -186.535644 -100.407107   -1.01E-15     .000000   -4.59E-15 -441.728717
1.00000 -186.535644 -101.076999   -1.09E-15     .000000   -3.16E-29   -4.35E-12

ELEM      19 ================== LENGTH =    8.512400

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   50.742960   23.556474    6.29E-16     .000000    4.93E-15  200.310140
0.25000   50.742960   23.349575    6.04E-16     .000000    3.71E-15  150.893057
0.50000   50.742960   23.531570    5.79E-16     .000000    2.53E-15  101.035672
0.75000   50.742960   23.738469    5.94E-16     .000000    1.29E-15   50.737987
1.00000   50.742960   23.945368    6.19E-16     .000000    2.21E-29    2.00E-12

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -50.742960  -23.556474   -6.29E-16     .000000   -4.93E-15 -200.310140
0.25000  -50.742960  -23.349575   -6.04E-16     .000000   -3.71E-15 -150.893057
0.50000  -50.742960  -23.531570   -5.79E-16     .000000   -2.53E-15 -101.035672
0.75000  -50.742960  -23.738469   -5.94E-16     .000000   -1.29E-15  -50.737987
1.00000  -50.742960  -23.945368   -6.19E-16     .000000   -2.21E-29   -2.00E-12

ELEM      20 ================== LENGTH =    9.537200

COMBDEADLOAD ------------------ MAX
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	67.927067	119.713031	2.90E-15	.000000	2.75E-14	1146.149
0.25000	67.927067	119.944838	2.87E-15	.000000	2.07E-14	860.440569
0.50000	67.927067	120.176645	2.89E-15	.000000	1.39E-14	574.179744
0.75000	67.927067	120.408452	2.91E-15	.000000	6.98E-15	287.366221
1.00000	67.927067	120.640259	2.94E-15	.000000	4.26E-29	3.37E-12

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-67.927067	-119.713031	-2.90E-15	.000000	-2.75E-14	-1146.149
0.25000	-67.927067	-119.944838	-2.87E-15	.000000	-2.07E-14	-860.440569
0.50000	-67.927067	-120.176645	-2.89E-15	.000000	-1.39E-14	-574.179744
0.75000	-67.927067	-120.408452	-2.91E-15	.000000	-6.98E-15	-287.366221
1.00000	-67.927067	-120.640259	-2.94E-15	.000000	-4.26E-29	-3.37E-12

ELEM 21 ========== LENGTH = 15.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7875.943	.000000	.000000	.000000	.000000	.000000
0.50000	7872.371	.000000	.000000	.000000	.000000	.000000
1.00000	7868.798	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7875.943	.000000	.000000	.000000	.000000	.000000
0.50000	-7872.371	.000000	.000000	.000000	.000000	.000000
1.00000	-7868.798	.000000	.000000	.000000	.000000	.000000

ELEM 22 ========== LENGTH = 32.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7773.964	64.943956	.000000	.000000	.000000	.000000
0.50000	7766.535	64.943956	.000000	.000000	.000000	1063.457
1.00000	7759.105	64.943956	.000000	.000000	.000000	2126.915

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7773.964	-64.943956	.000000	.000000	.000000	.000000
0.50000	-7766.535	-64.943956	.000000	.000000	.000000	-1063.457
1.00000	-7759.105	-64.943956	.000000	.000000	.000000	-2126.915

ELEM 23 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7686.123	44.310724	.000000	.000000	.000000	2126.915
0.50000	7675.234	44.310724	.000000	.000000	.000000	1063.457
1.00000	7664.345	44.310724	.000000	.000000	.000000	1.99E-12

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7686.123	-44.310724	.000000	.000000	.000000	-2126.915
0.50000	-7675.234	-44.310724	.000000	.000000	.000000	-1063.457

```
1.00000   -7664.345  -44.310724     .000000     .000000     .000000   -1.99E-12

ELEM      24 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7771.701     .000000     .000000     .000000     .000000     .000000
0.50000    7760.812     .000000     .000000     .000000     .000000     .000000
1.00000    7749.923     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7771.701     .000000     .000000     .000000     .000000     .000000
0.50000   -7760.812     .000000     .000000     .000000     .000000     .000000
1.00000   -7749.923     .000000     .000000     .000000     .000000     .000000

ELEM      25 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    5437.429     .000000     .000000     .000000     .000000     .000000
0.50000    5431.985     .000000     .000000     .000000     .000000     .000000
1.00000    5426.540     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -5437.429     .000000     .000000     .000000     .000000     .000000
0.50000   -5431.985     .000000     .000000     .000000     .000000     .000000
1.00000   -5426.540     .000000     .000000     .000000     .000000     .000000

ELEM      26 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    5088.345     .000000     .000000     .000000     .000000     .000000
0.50000    5082.901     .000000     .000000     .000000     .000000     .000000
1.00000    5077.456     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -5088.345     .000000     .000000     .000000     .000000     .000000
0.50000   -5082.901     .000000     .000000     .000000     .000000     .000000
1.00000   -5077.456     .000000     .000000     .000000     .000000     .000000

ELEM      27 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    4952.740     .000000     .000000     .000000     .000000     .000000
0.50000    4947.295     .000000     .000000     .000000     .000000     .000000
1.00000    4941.851     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -4952.740     .000000     .000000     .000000     .000000     .000000
```

```
0.50000   -4947.295     .000000     .000000     .000000     .000000     .000000
1.00000   -4941.851     .000000     .000000     .000000     .000000     .000000

ELEM      28 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    4490.838     .000000     .000000     .000000     .000000     .000000
0.50000    4485.394     .000000     .000000     .000000     .000000     .000000
1.00000    4479.949     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -4490.838     .000000     .000000     .000000     .000000     .000000
0.50000   -4485.394     .000000     .000000     .000000     .000000     .000000
1.00000   -4479.949     .000000     .000000     .000000     .000000     .000000

ELEM      29 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    4354.016     .000000     .000000     .000000     .000000     .000000
0.50000    4348.572     .000000     .000000     .000000     .000000     .000000
1.00000    4343.127     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -4354.016     .000000     .000000     .000000     .000000     .000000
0.50000   -4348.572     .000000     .000000     .000000     .000000     .000000
1.00000   -4343.127     .000000     .000000     .000000     .000000     .000000

ELEM      30 ================== LENGTH =   34.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    4087.213     .000000     .000000     .000000     .000000     .000000
0.50000    4083.307     .000000     .000000     .000000     .000000     .000000
1.00000    4079.401     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -4087.213     .000000     .000000     .000000     .000000     .000000
0.50000   -4083.307     .000000     .000000     .000000     .000000     .000000
1.00000   -4079.401     .000000     .000000     .000000     .000000     .000000

ELEM      31 ================== LENGTH =   88.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1017.819     .000000     .000000     .000000     .000000     .000000
0.50000    1007.774     .000000     .000000     .000000     .000000     .000000
1.00000  997.728300     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000   -1017.819     .000000     .000000     .000000     .000000     .000000
0.50000   -1007.774     .000000     .000000     .000000     .000000     .000000
1.00000 -997.728300     .000000     .000000     .000000     .000000     .000000

ELEM      32 ================== LENGTH =   15.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  533.154841  122.333310    2.87E-15     .000000     .000000     .000000
0.25000  533.154841  121.968727    2.82E-15     .000000    1.07E-14  458.066319
0.50000  533.154841  121.604143    2.78E-15     .000000    2.12E-14  914.765450
0.75000  533.154841  121.239560    2.74E-15     .000000    3.15E-14    1370.097
1.00000  533.154841  120.874977    2.78E-15     .000000    4.17E-14    1824.062

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -533.154841 -122.333310   -2.87E-15     .000000     .000000     .000000
0.25000 -533.154841 -121.968727   -2.82E-15     .000000   -1.07E-14 -458.066319
0.50000 -533.154841 -121.604143   -2.78E-15     .000000   -2.12E-14 -914.765450
0.75000 -533.154841 -121.239560   -2.74E-15     .000000   -3.15E-14   -1370.097
1.00000 -533.154841 -120.874977   -2.78E-15     .000000   -4.17E-14   -1824.062

ELEM      33 ================== LENGTH =    6.461000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  294.398185  124.552805    1.73E-15     .000000     .000000     .000000
0.25000  294.398185  124.306031    1.70E-15     .000000    2.76E-15  200.984618
0.50000  294.398185  124.059257    1.67E-15     .000000    5.48E-15  401.570633
0.75000  294.398185  123.812482    1.64E-15     .000000    8.14E-15  601.758046
1.00000  294.398185  123.565708    1.62E-15     .000000    1.08E-14  801.546857

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -294.398185 -124.552805   -1.73E-15     .000000     .000000     .000000
0.25000 -294.398185 -124.306031   -1.70E-15     .000000   -2.76E-15 -200.984618
0.50000 -294.398185 -124.059257   -1.67E-15     .000000   -5.48E-15 -401.570633
0.75000 -294.398185 -123.812482   -1.64E-15     .000000   -8.14E-15 -601.758046
1.00000 -294.398185 -123.565708   -1.62E-15     .000000   -1.08E-14 -801.546857

ELEM      34 ================== LENGTH =   15.487600

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   90.483581  163.718764    3.81E-15     .000000     .000000     .000000
0.25000   90.483581  163.342329    3.77E-15     .000000    1.47E-14  633.173924
0.50000   90.483581  162.965895    3.72E-15     .000000    2.92E-14    1264.890
0.75000   90.483581  162.589460    3.68E-15     .000000    4.35E-14    1895.149
1.00000   90.483581  162.213025    3.73E-15     .000000    5.77E-14    2523.951

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -90.483581 -163.718764   -3.81E-15     .000000     .000000     .000000
0.25000  -90.483581 -163.342329   -3.77E-15     .000000   -1.47E-14 -633.173924
0.50000  -90.483581 -162.965895   -3.72E-15     .000000   -2.92E-14   -1264.890
0.75000  -90.483581 -162.589460   -3.68E-15     .000000   -4.35E-14   -1895.149
1.00000  -90.483581 -162.213025   -3.73E-15     .000000   -5.77E-14   -2523.951
```

```
ELEM      35 ================== LENGTH =   14.462800

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  108.038530  179.848287    4.20E-15     .000000     .000000     .000000
0.25000  108.038530  179.496760    4.16E-15     .000000    1.51E-14  649.641943
0.50000  108.038530  179.145234    4.12E-15     .000000    3.01E-14    1298.013
0.75000  108.038530  178.793707    4.07E-15     .000000    4.49E-14    1945.113
1.00000  108.038530  178.442181    4.11E-15     .000000    5.95E-14    2590.942

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -108.038530 -179.848287   -4.20E-15     .000000     .000000     .000000
0.25000 -108.038530 -179.496760   -4.16E-15     .000000   -1.51E-14 -649.641943
0.50000 -108.038530 -179.145234   -4.12E-15     .000000   -3.01E-14   -1298.013
0.75000 -108.038530 -178.793707   -4.07E-15     .000000   -4.49E-14   -1945.113
1.00000 -108.038530 -178.442181   -4.11E-15     .000000   -5.95E-14   -2590.942

ELEM      36 ================== LENGTH =   36.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   64.943956   27.833303    7.52E-16     .000000     .000000     .000000
0.25000   64.943956   26.958303    6.46E-16     .000000    6.29E-15  246.562229
0.50000   64.943956   26.083303    5.49E-16     .000000    1.16E-14  485.249457
0.75000   64.943956   25.208303    6.55E-16     .000000    1.60E-14  716.061684
1.00000   64.943956   24.333308    7.60E-16     .000000    1.97E-14  938.998911

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -64.943956  -27.833303   -7.52E-16     .000000     .000000     .000000
0.25000  -64.943956  -26.958303   -6.46E-16     .000000   -6.29E-15 -246.562229
0.50000  -64.943956  -26.083303   -5.49E-16     .000000   -1.16E-14 -485.249457
0.75000  -64.943956  -25.208303   -6.55E-16     .000000   -1.60E-14 -716.061684
1.00000  -64.943956  -24.333308   -7.60E-16     .000000   -1.97E-14 -938.998911

ELEM      37 ================== LENGTH =   39.905978

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  333.633660    4.083334    4.95E-16     .000000     .000000     .000000
0.50000  331.680602    6.11E-16    1.31E-32     .000000    4.93E-15   40.737356
1.00000  329.727543    4.083334    4.95E-16     .000000    6.39E-32    2.60E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -333.633660   -4.083334   -4.95E-16     .000000     .000000     .000000
0.50000 -331.680602   -6.11E-16   -1.31E-32     .000000   -4.93E-15  -40.737356
1.00000 -329.727543   -4.083334   -4.95E-16     .000000   -6.39E-32   -2.60E-14

ELEM      38 ================== LENGTH =   39.905935

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  313.295124    4.083334    4.95E-16     .000000     .000000     .000000
```

```
0.50000  311.342077    8.02E-17    2.09E-32     .000000    4.93E-15   40.737312
1.00000  309.389030    4.083334    4.95E-16     .000000    1.18E-30    3.20E-15

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -313.295124   -4.083334   -4.95E-16     .000000     .000000     .000000
0.50000 -311.342077   -8.02E-17   -2.09E-32     .000000   -4.93E-15  -40.737312
1.00000 -309.389030   -4.083334   -4.95E-16     .000000   -1.18E-30   -3.20E-15

ELEM      39 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  533.154841   53.874977    1.38E-15     .000000    3.94E-14    1824.055
0.25000  533.154841   53.291643    1.31E-15     .000000    4.74E-14    2145.555
0.50000  533.154841   52.708310    1.24E-15     .000000    5.50E-14    2463.555
0.75000  533.154841   52.124976    1.26E-15     .000000    6.22E-14    2778.055
1.00000  533.154841   52.124978    1.34E-15     .000000    6.90E-14    3089.054

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -533.154841  -53.874977   -1.38E-15     .000000   -3.94E-14   -1824.055
0.25000 -533.154841  -53.291643   -1.31E-15     .000000   -4.74E-14   -2145.555
0.50000 -533.154841  -52.708310   -1.24E-15     .000000   -5.50E-14   -2463.555
0.75000 -533.154841  -52.124976   -1.26E-15     .000000   -6.22E-14   -2778.055
1.00000 -533.154841  -52.124978   -1.34E-15     .000000   -6.90E-14   -3089.054

ELEM      40 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  294.398185   49.565708    7.16E-16     .000000    6.77E-15  801.545538
0.25000  294.398185   48.649041    6.05E-16     .000000    9.59E-15    1096.190
0.50000  294.398185   47.732374    4.94E-16     .000000    1.29E-14    1385.334
0.75000  294.398185   46.815708    5.50E-16     .000000    1.55E-14    1668.978
1.00000  294.398185   45.899041    6.61E-16     .000000    1.75E-14    1947.122

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -294.398185  -49.565708   -7.16E-16     .000000   -6.77E-15 -801.545538
0.25000 -294.398185  -48.649041   -6.05E-16     .000000   -9.59E-15   -1096.190
0.50000 -294.398185  -47.732374   -4.94E-16     .000000   -1.29E-14   -1385.334
0.75000 -294.398185  -46.815708   -5.50E-16     .000000   -1.55E-14   -1668.978
1.00000 -294.398185  -45.899041   -6.61E-16     .000000   -1.75E-14   -1947.122

ELEM      41 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   90.483581   37.213025    9.86E-16     .000000    5.52E-14    2523.943
0.25000   90.483581   36.629692    9.15E-16     .000000    6.09E-14    2745.471
0.50000   90.483581   36.046358    8.45E-16     .000000    6.62E-14    2963.499
0.75000   90.483581   35.463025    8.77E-16     .000000    7.10E-14    3178.027
1.00000   90.483581   35.557837    9.47E-16     .000000    7.54E-14    3389.055

COMBDEADLOAD ------------------ MIN
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	-90.483581	-37.213025	-9.86E-16	.000000	-5.52E-14	-2523.943
0.25000	-90.483581	-36.629692	-9.15E-16	.000000	-6.09E-14	-2745.471
0.50000	-90.483581	-36.046358	-8.45E-16	.000000	-6.62E-14	-2963.499
0.75000	-90.483581	-35.463025	-8.77E-16	.000000	-7.10E-14	-3178.027
1.00000	-90.483581	-35.557837	-9.47E-16	.000000	-7.54E-14	-3389.055

ELEM 42 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	108.038530	50.442181	1.30E-15	.000000	5.65E-14	2590.933
0.25000	108.038530	49.858848	1.23E-15	.000000	6.40E-14	2891.836
0.50000	108.038530	49.275514	1.15E-15	.000000	7.12E-14	3189.239
0.75000	108.038530	48.692181	1.18E-15	.000000	7.79E-14	3483.142
1.00000	108.038530	48.587726	1.25E-15	.000000	8.42E-14	3773.545

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-108.038530	-50.442181	-1.30E-15	.000000	-5.65E-14	-2590.933
0.25000	-108.038530	-49.858848	-1.23E-15	.000000	-6.40E-14	-2891.836
0.50000	-108.038530	-49.275514	-1.15E-15	.000000	-7.12E-14	-3189.239
0.75000	-108.038530	-48.692181	-1.18E-15	.000000	-7.79E-14	-3483.142
1.00000	-108.038530	-48.587726	-1.25E-15	.000000	-8.42E-14	-3773.545

ELEM 43 ========== LENGTH = 79.098436

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	133.469904	3.500000	4.24E-16	.000000	.000000	.000000
0.50000	131.877890	5.93E-16	2.03E-31	.000000	8.38E-15	69.211137
1.00000	130.285875	3.500000	4.24E-16	.000000	1.49E-29	5.14E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-133.469904	-3.500000	-4.24E-16	.000000	.000000	.000000
0.50000	-131.877890	-5.93E-16	-2.03E-31	.000000	-8.38E-15	-69.211137
1.00000	-130.285875	-3.500000	-4.24E-16	.000000	-1.49E-29	-5.14E-14

ELEM 45 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	10.788251	3.500000	4.24E-16	.000000	.000000	.000000
0.25000	10.788251	1.750000	2.12E-16	.000000	5.72E-15	47.250004
0.50000	10.788251	1.79E-15	1.56E-31	.000000	7.63E-15	63.000005
0.75000	10.788251	1.750000	2.12E-16	.000000	5.72E-15	47.250004
1.00000	10.788251	3.500000	4.24E-16	.000000	1.23E-29	1.41E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-10.788251	-3.500000	-4.24E-16	.000000	.000000	.000000
0.25000	-10.788251	-1.750000	-2.12E-16	.000000	-5.72E-15	-47.250004
0.50000	-10.788251	-1.79E-15	-1.56E-31	.000000	-7.63E-15	-63.000005
0.75000	-10.788251	-1.750000	-2.12E-16	.000000	-5.72E-15	-47.250004
1.00000	-10.788251	-3.500000	-4.24E-16	.000000	-1.23E-29	-1.41E-13

```
ELEM      46 ================== LENGTH =   86.533231

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  687.615751    3.500000    4.24E-16     .000000     .000000     .000000
0.50000  689.949085    1.04E-15    1.52E-31     .000000    9.17E-15   75.716583
1.00000  692.282418    3.500000    4.24E-16     .000000    1.25E-29    7.45E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -687.615751   -3.500000   -4.24E-16     .000000     .000000     .000000
0.50000 -689.949085   -1.04E-15   -1.52E-31     .000000   -9.17E-15  -75.716583
1.00000 -692.282418   -3.500000   -4.24E-16     .000000   -1.25E-29   -7.45E-14

ELEM      47 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  574.072339    3.500000    4.24E-16     .000000     .000000     .000000
0.25000  574.072339    1.750000    2.12E-16     .000000    5.72E-15   47.250004
0.50000  574.072339    1.79E-15    1.56E-31     .000000    7.63E-15   63.000005
0.75000  574.072339    1.750000    2.12E-16     .000000    5.72E-15   47.250004
1.00000  574.072339    3.500000    4.24E-16     .000000    1.23E-29    1.41E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -574.072339   -3.500000   -4.24E-16     .000000     .000000     .000000
0.25000 -574.072339   -1.750000   -2.12E-16     .000000   -5.72E-15  -47.250004
0.50000 -574.072339   -1.79E-15   -1.56E-31     .000000   -7.63E-15  -63.000005
0.75000 -574.072339   -1.750000   -2.12E-16     .000000   -5.72E-15  -47.250004
1.00000 -574.072339   -3.500000   -4.24E-16     .000000   -1.23E-29   -1.41E-13

ELEM      48 ================== LENGTH =   86.533231

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   50.107130    3.500000    4.24E-16     .000000     .000000     .000000
0.50000   47.773796    1.04E-15    1.52E-31     .000000    9.17E-15   75.716583
1.00000   45.440463    3.500000    4.24E-16     .000000    1.25E-29    7.45E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -50.107130   -3.500000   -4.24E-16     .000000     .000000     .000000
0.50000  -47.773796   -1.04E-15   -1.52E-31     .000000   -9.17E-15  -75.716583
1.00000  -45.440463   -3.500000   -4.24E-16     .000000   -1.25E-29   -7.45E-14

ELEM      49 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   39.750201    3.500000    4.24E-16     .000000     .000000     .000000
0.25000   39.750201    1.750000    2.12E-16     .000000    5.72E-15   47.250004
0.50000   39.750201    1.79E-15    1.56E-31     .000000    7.63E-15   63.000005
0.75000   39.750201    1.750000    2.12E-16     .000000    5.72E-15   47.250004
1.00000   39.750201    3.500000    4.24E-16     .000000    1.23E-29    1.41E-13
```

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-39.750201	-3.500000	-4.24E-16	.000000	.000000	.000000
0.25000	-39.750201	-1.750000	-2.12E-16	.000000	-5.72E-15	-47.250004
0.50000	-39.750201	-1.79E-15	-1.56E-31	.000000	-7.63E-15	-63.000005
0.75000	-39.750201	-1.750000	-2.12E-16	.000000	-5.72E-15	-47.250004
1.00000	-39.750201	-3.500000	-4.24E-16	.000000	-1.23E-29	-1.41E-13

ELEM 50 ========== LENGTH = 86.533231

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	50.554507	3.500000	4.24E-16	.000000	.000000	.000000
0.50000	48.221173	1.04E-15	1.52E-31	.000000	9.17E-15	75.716583
1.00000	45.887840	3.500000	4.24E-16	.000000	1.25E-29	7.45E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-50.554507	-3.500000	-4.24E-16	.000000	.000000	.000000
0.50000	-48.221173	-1.04E-15	-1.52E-31	.000000	-9.17E-15	-75.716583
1.00000	-45.887840	-3.500000	-4.24E-16	.000000	-1.25E-29	-7.45E-14

ELEM 51 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	40.122441	3.500000	4.24E-16	.000000	.000000	.000000
0.25000	40.122441	1.750000	2.12E-16	.000000	5.72E-15	47.250004
0.50000	40.122441	1.79E-15	1.56E-31	.000000	7.63E-15	63.000005
0.75000	40.122441	1.750000	2.12E-16	.000000	5.72E-15	47.250004
1.00000	40.122441	3.500000	4.24E-16	.000000	1.23E-29	1.41E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-40.122441	-3.500000	-4.24E-16	.000000	.000000	.000000
0.25000	-40.122441	-1.750000	-2.12E-16	.000000	-5.72E-15	-47.250004
0.50000	-40.122441	-1.79E-15	-1.56E-31	.000000	-7.63E-15	-63.000005
0.75000	-40.122441	-1.750000	-2.12E-16	.000000	-5.72E-15	-47.250004
1.00000	-40.122441	-3.500000	-4.24E-16	.000000	-1.23E-29	-1.41E-13

ELEM 52 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	330.785374	3.500000	4.24E-16	.000000	.000000	.000000
0.25000	330.785374	1.750000	2.12E-16	.000000	5.72E-15	47.250004
0.50000	330.785374	1.79E-15	1.56E-31	.000000	7.63E-15	63.000005
0.75000	330.785374	1.750000	2.12E-16	.000000	5.72E-15	47.250004
1.00000	330.785374	3.500000	4.24E-16	.000000	1.23E-29	1.41E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-330.785374	-3.500000	-4.24E-16	.000000	.000000	.000000
0.25000	-330.785374	-1.750000	-2.12E-16	.000000	-5.72E-15	-47.250004
0.50000	-330.785374	-1.79E-15	-1.56E-31	.000000	-7.63E-15	-63.000005
0.75000	-330.785374	-1.750000	-2.12E-16	.000000	-5.72E-15	-47.250004

```
1.00000 -330.785374   -3.500000   -4.24E-16     .000000   -1.23E-29   -1.41E-13

ELEM      53 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  162.207110    5.500000    6.66E-16     .000000     .000000     .000000
0.25000  162.207110    2.750000    3.33E-16     .000000    8.99E-15   74.250006
0.50000  162.207110    9.87E-17    2.14E-31     .000000    1.20E-14   99.000008
0.75000  162.207110    2.750000    3.33E-16     .000000    8.99E-15   74.250006
1.00000  162.207110    5.500000    6.66E-16     .000000    1.70E-29    1.42E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -162.207110   -5.500000   -6.66E-16     .000000     .000000     .000000
0.25000 -162.207110   -2.750000   -3.33E-16     .000000   -8.99E-15  -74.250006
0.50000 -162.207110   -9.87E-17   -2.14E-31     .000000   -1.20E-14  -99.000008
0.75000 -162.207110   -2.750000   -3.33E-16     .000000   -8.99E-15  -74.250006
1.00000 -162.207110   -5.500000   -6.66E-16     .000000   -1.70E-29   -1.42E-14

ELEM      54 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   64.943956    6.666699    2.70E-16     .000000    2.05E-14  938.998646
0.25000   64.943956    7.250032    2.00E-16     .000000    2.01E-14  897.248464
0.50000   64.943956    7.833366    1.84E-16     .000000    1.92E-14  851.998281
0.75000   64.943956    8.416699    2.54E-16     .000000    1.79E-14  803.248098
1.00000   64.943956    9.000032    3.25E-16     .000000    1.61E-14  750.997915

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -64.943956   -6.666699   -2.70E-16     .000000   -2.05E-14 -938.998646
0.25000  -64.943956   -7.250032   -2.00E-16     .000000   -2.01E-14 -897.248464
0.50000  -64.943956   -7.833366   -1.84E-16     .000000   -1.92E-14 -851.998281
0.75000  -64.943956   -8.416699   -2.54E-16     .000000   -1.79E-14 -803.248098
1.00000  -64.943956   -9.000032   -3.25E-16     .000000   -1.61E-14 -750.997915

ELEM      55 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  533.154841   64.458372    1.61E-15     .000000    6.92E-14    3089.055
0.25000  533.154841   65.041705    1.54E-15     .000000    6.06E-14    2700.555
0.50000  533.154841   65.625039    1.54E-15     .000000    5.16E-14    2308.555
0.75000  533.154841   66.208372    1.61E-15     .000000    4.21E-14    1913.055
1.00000  533.154841   66.791705    1.68E-15     .000000    3.23E-14    1514.055

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -533.154841  -64.458372   -1.61E-15     .000000   -6.92E-14   -3089.055
0.25000 -533.154841  -65.041705   -1.54E-15     .000000   -6.06E-14   -2700.555
0.50000 -533.154841  -65.625039   -1.54E-15     .000000   -5.16E-14   -2308.555
0.75000 -533.154841  -66.208372   -1.61E-15     .000000   -4.21E-14   -1913.055
1.00000 -533.154841  -66.791705   -1.68E-15     .000000   -3.23E-14   -1514.055

ELEM      56 ================== LENGTH =   24.000000
```

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	294.398185	18.793465	3.98E-16	.000000	1.70E-14	1947.122
0.25000	294.398185	18.017658	2.87E-16	.000000	1.68E-14	1841.766
0.50000	294.398185	18.934325	1.96E-16	.000000	1.60E-14	1730.910
0.75000	294.398185	19.850991	3.07E-16	.000000	1.45E-14	1614.554
1.00000	294.398185	20.767658	4.18E-16	.000000	1.27E-14	1492.698

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-294.398185	-18.793465	-3.98E-16	.000000	-1.70E-14	-1947.122
0.25000	-294.398185	-18.017658	-2.87E-16	.000000	-1.68E-14	-1841.766
0.50000	-294.398185	-18.934325	-1.96E-16	.000000	-1.60E-14	-1730.910
0.75000	-294.398185	-19.850991	-3.07E-16	.000000	-1.45E-14	-1614.554
1.00000	-294.398185	-20.767658	-4.18E-16	.000000	-1.27E-14	-1492.698

ELEM 57 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	90.483581	74.120332	1.84E-15	.000000	7.60E-14	3389.056
0.25000	90.483581	74.703665	1.76E-15	.000000	6.61E-14	2942.584
0.50000	90.483581	75.286999	1.76E-15	.000000	5.57E-14	2492.612
0.75000	90.483581	75.870332	1.83E-15	.000000	4.49E-14	2039.141
1.00000	90.483581	76.453666	1.91E-15	.000000	3.37E-14	1582.169

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-90.483581	-74.120332	-1.84E-15	.000000	-7.60E-14	-3389.056
0.25000	-90.483581	-74.703665	-1.76E-15	.000000	-6.61E-14	-2942.584
0.50000	-90.483581	-75.286999	-1.76E-15	.000000	-5.57E-14	-2492.612
0.75000	-90.483581	-75.870332	-1.83E-15	.000000	-4.49E-14	-2039.141
1.00000	-90.483581	-76.453666	-1.91E-15	.000000	-3.37E-14	-1582.169

ELEM 58 ========== LENGTH = 39.905978

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	304.471483	4.083334	4.95E-16	.000000	.000000	.000000
0.50000	306.424542	9.33E-16	1.07E-31	.000000	4.93E-15	40.737356
1.00000	308.377600	4.083334	4.95E-16	.000000	5.23E-30	4.67E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-304.471483	-4.083334	-4.95E-16	.000000	.000000	.000000
0.50000	-306.424542	-9.33E-16	-1.07E-31	.000000	-4.93E-15	-40.737356
1.00000	-308.377600	-4.083334	-4.95E-16	.000000	-5.23E-30	-4.67E-14

ELEM 59 ========== LENGTH = 39.905935

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	324.386807	4.083334	4.95E-16	.000000	.000000	.000000
0.50000	326.339854	1.20E-15	1.23E-31	.000000	4.93E-15	40.737312
1.00000	328.292901	4.083334	4.95E-16	.000000	5.13E-30	3.77E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-324.386807	-4.083334	-4.95E-16	.000000	.000000	.000000
0.50000	-326.339854	-1.20E-15	-1.23E-31	.000000	-4.93E-15	-40.737312
1.00000	-328.292901	-4.083334	-4.95E-16	.000000	-5.13E-30	-3.77E-14

ELEM 60 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	108.038530	79.891180	1.97E-15	.000000	8.46E-14	3773.546
0.25000	108.038530	80.474513	1.90E-15	.000000	7.39E-14	3292.449
0.50000	108.038530	81.057847	1.90E-15	.000000	6.27E-14	2807.852
0.75000	108.038530	81.641180	1.97E-15	.000000	5.11E-14	2319.755
1.00000	108.038530	82.224513	2.04E-15	.000000	3.90E-14	1828.158

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-108.038530	-79.891180	-1.97E-15	.000000	-8.46E-14	-3773.546
0.25000	-108.038530	-80.474513	-1.90E-15	.000000	-7.39E-14	-3292.449
0.50000	-108.038530	-81.057847	-1.90E-15	.000000	-6.27E-14	-2807.852
0.75000	-108.038530	-81.641180	-1.97E-15	.000000	-5.11E-14	-2319.755
1.00000	-108.038530	-82.224513	-2.04E-15	.000000	-3.90E-14	-1828.158

ELEM 61 ========== LENGTH = 12.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	64.943956	62.000032	1.41E-15	.000000	1.74E-14	751.000388
0.25000	64.943956	62.291699	1.42E-15	.000000	1.32E-14	564.562791
0.50000	64.943956	62.583366	1.45E-15	.000000	8.93E-15	377.250194
0.75000	64.943956	62.875032	1.49E-15	.000000	4.52E-15	189.062597
1.00000	64.943956	63.166699	1.52E-15	.000000	6.09E-30	5.57E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-64.943956	-62.000032	-1.41E-15	.000000	-1.74E-14	-751.000388
0.25000	-64.943956	-62.291699	-1.42E-15	.000000	-1.32E-14	-564.562791
0.50000	-64.943956	-62.583366	-1.45E-15	.000000	-8.93E-15	-377.250194
0.75000	-64.943956	-62.875032	-1.49E-15	.000000	-4.52E-15	-189.062597
1.00000	-64.943956	-63.166699	-1.52E-15	.000000	-6.09E-30	-5.57E-13

ELEM 62 ========== LENGTH = 9.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	533.154841	167.791705	4.03E-15	.000000	3.68E-14	1514.063
0.25000	533.154841	168.010455	4.06E-15	.000000	2.77E-14	1136.285
0.50000	533.154841	168.229205	4.08E-15	.000000	1.85E-14	758.015799
0.75000	533.154841	168.447955	4.11E-15	.000000	9.28E-15	379.253993
1.00000	533.154841	168.666705	4.14E-15	.000000	9.62E-29	3.06E-12

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-533.154841	-167.791705	-4.03E-15	.000000	-3.68E-14	-1514.063

```
0.25000 -533.154841 -168.010455   -4.06E-15     .000000   -2.77E-14   -1136.285
0.50000 -533.154841 -168.229205   -4.08E-15     .000000   -1.85E-14 -758.015799
0.75000 -533.154841 -168.447955   -4.11E-15     .000000   -9.28E-15 -379.253993
1.00000 -533.154841 -168.666705   -4.14E-15     .000000   -9.62E-29   -3.06E-12

ELEM      63 ================== LENGTH =   17.539000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  294.398185   83.767658    9.40E-16     .000000    1.37E-14    1492.699
0.25000  294.398185   84.437551    8.59E-16     .000000    1.08E-14    1123.931
0.50000  294.398185   85.107443    7.83E-16     .000000    7.58E-15  752.224342
0.75000  294.398185   85.777335    8.65E-16     .000000    3.97E-15  377.580826
1.00000  294.398185   86.447228    9.46E-16     .000000    1.65E-29    3.08E-12

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -294.398185  -83.767658   -9.40E-16     .000000   -1.37E-14   -1492.699
0.25000 -294.398185  -84.437551   -8.59E-16     .000000   -1.08E-14   -1123.931
0.50000 -294.398185  -85.107443   -7.83E-16     .000000   -7.58E-15 -752.224342
0.75000 -294.398185  -85.777335   -8.65E-16     .000000   -3.97E-15 -377.580826
1.00000 -294.398185  -86.447228   -9.46E-16     .000000   -1.65E-29   -3.08E-12

ELEM      64 ================== LENGTH =    8.512400

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   90.483581  185.453666    4.51E-15     .000000    3.88E-14    1582.178
0.25000   90.483581  185.660564    4.53E-15     .000000    2.92E-14    1187.294
0.50000   90.483581  185.867463    4.56E-15     .000000    1.95E-14  791.969697
0.75000   90.483581  186.074361    4.58E-15     .000000    9.78E-15  396.204999
1.00000   90.483581  186.281260    4.61E-15     .000000    8.12E-29    1.76E-12

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -90.483581 -185.453666   -4.51E-15     .000000   -3.88E-14   -1582.178
0.25000  -90.483581 -185.660564   -4.53E-15     .000000   -2.92E-14   -1187.294
0.50000  -90.483581 -185.867463   -4.56E-15     .000000   -1.95E-14 -791.969697
0.75000  -90.483581 -186.074361   -4.58E-15     .000000   -9.78E-15 -396.204999
1.00000  -90.483581 -186.281260   -4.61E-15     .000000   -8.12E-29   -1.76E-12

ELEM      65 ================== LENGTH =    9.537200

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  108.038530  191.224513    4.56E-15     .000000    4.40E-14    1828.168
0.25000  108.038530  191.456320    4.58E-15     .000000    3.31E-14    1371.955
0.50000  108.038530  191.688127    4.61E-15     .000000    2.21E-14  915.189399
0.75000  108.038530  191.919934    4.64E-15     .000000    1.11E-14  457.871048
1.00000  108.038530  192.151741    4.67E-15     .000000    1.51E-28    2.85E-12

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -108.038530 -191.224513   -4.56E-15     .000000   -4.40E-14   -1828.168
0.25000 -108.038530 -191.456320   -4.58E-15     .000000   -3.31E-14   -1371.955
0.50000 -108.038530 -191.688127   -4.61E-15     .000000   -2.21E-14 -915.189399
0.75000 -108.038530 -191.919934   -4.64E-15     .000000   -1.11E-14 -457.871048
```

```
1.00000 -108.038530 -192.151741   -4.67E-15     .000000   -1.51E-28   -2.85E-12

ELEM      66 ================== LENGTH =   15.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6077.394     .000000     .000000     .000000     .000000     .000000
0.50000    6075.607     .000000     .000000     .000000     .000000     .000000
1.00000    6073.821     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6077.394     .000000     .000000     .000000     .000000     .000000
0.50000   -6075.607     .000000     .000000     .000000     .000000     .000000
1.00000   -6073.821     .000000     .000000     .000000     .000000     .000000

ELEM      67 ================== LENGTH =   32.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    5820.119    6.412829     .000000     .000000     .000000     .000000
0.50000    5816.404    6.412829     .000000     .000000     .000000  105.010076
1.00000    5812.689    6.412829     .000000     .000000     .000000  210.020151

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -5820.119   -6.412829     .000000     .000000     .000000     .000000
0.50000   -5816.404   -6.412829     .000000     .000000     .000000 -105.010076
1.00000   -5812.689   -6.412829     .000000     .000000     .000000 -210.020151

ELEM      68 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    5708.189    4.375422     .000000     .000000     .000000  210.020258
0.50000    5702.745    4.375422     .000000     .000000     .000000  105.010129
1.00000    5697.300    4.375422     .000000     .000000     .000000    1.75E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -5708.189   -4.375422     .000000     .000000     .000000 -210.020258
0.50000   -5702.745   -4.375422     .000000     .000000     .000000 -105.010129
1.00000   -5697.300   -4.375422     .000000     .000000     .000000   -1.75E-14

ELEM      69 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    5275.009     .000000     .000000     .000000     .000000     .000000
0.50000    5269.564     .000000     .000000     .000000     .000000     .000000
1.00000    5264.120     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -5275.009     .000000     .000000     .000000     .000000     .000000
```

```
0.50000   -5269.564     .000000     .000000     .000000     .000000     .000000
1.00000   -5264.120     .000000     .000000     .000000     .000000     .000000

ELEM      70 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    4829.486     .000000     .000000     .000000     .000000     .000000
0.50000    4824.041     .000000     .000000     .000000     .000000     .000000
1.00000    4818.597     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -4829.486     .000000     .000000     .000000     .000000     .000000
0.50000   -4824.041     .000000     .000000     .000000     .000000     .000000
1.00000   -4818.597     .000000     .000000     .000000     .000000     .000000

ELEM      71 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    4390.160     .000000     .000000     .000000     .000000     .000000
0.50000    4384.716     .000000     .000000     .000000     .000000     .000000
1.00000    4379.272     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -4390.160     .000000     .000000     .000000     .000000     .000000
0.50000   -4384.716     .000000     .000000     .000000     .000000     .000000
1.00000   -4379.272     .000000     .000000     .000000     .000000     .000000

ELEM      72 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    4251.995     .000000     .000000     .000000     .000000     .000000
0.50000    4246.550     .000000     .000000     .000000     .000000     .000000
1.00000    4241.106     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -4251.995     .000000     .000000     .000000     .000000     .000000
0.50000   -4246.550     .000000     .000000     .000000     .000000     .000000
1.00000   -4241.106     .000000     .000000     .000000     .000000     .000000

ELEM      73 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3811.444     .000000     .000000     .000000     .000000     .000000
0.50000    3805.999     .000000     .000000     .000000     .000000     .000000
1.00000    3800.555     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000   -3811.444     .000000     .000000     .000000     .000000     .000000
0.50000   -3805.999     .000000     .000000     .000000     .000000     .000000
1.00000   -3800.555     .000000     .000000     .000000     .000000     .000000

ELEM      74 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3673.130     .000000     .000000     .000000     .000000     .000000
0.50000    3667.685     .000000     .000000     .000000     .000000     .000000
1.00000    3662.241     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3673.130     .000000     .000000     .000000     .000000     .000000
0.50000   -3667.685     .000000     .000000     .000000     .000000     .000000
1.00000   -3662.241     .000000     .000000     .000000     .000000     .000000

ELEM      75 ================== LENGTH =   34.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3443.094     .000000     .000000     .000000     .000000     .000000
0.50000    3439.188     .000000     .000000     .000000     .000000     .000000
1.00000    3435.282     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3443.094     .000000     .000000     .000000     .000000     .000000
0.50000   -3439.188     .000000     .000000     .000000     .000000     .000000
1.00000   -3435.282     .000000     .000000     .000000     .000000     .000000

ELEM      76 ================== LENGTH =   88.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1016.091     .000000     .000000     .000000     .000000     .000000
0.50000    1006.045     .000000     .000000     .000000     .000000     .000000
1.00000  996.000001     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1016.091     .000000     .000000     .000000     .000000     .000000
0.50000   -1006.045     .000000     .000000     .000000     .000000     .000000
1.00000 -996.000001     .000000     .000000     .000000     .000000     .000000

ELEM      77 ================== LENGTH =   12.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   48.686146   71.333335    1.71E-15     .000000     .000000     .000000
0.25000   48.686146   71.041668    1.68E-15     .000000    5.09E-15  213.562504
0.50000   48.686146   70.750001    1.64E-15     .000000    1.01E-14  426.250007
0.75000   48.686146   70.458335    1.61E-15     .000000    1.50E-14  638.062511
1.00000   48.686146   70.166668    1.61E-15     .000000    1.97E-14  849.000014
```

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-48.686146	-71.333335	-1.71E-15	.000000	.000000	.000000
0.25000	-48.686146	-71.041668	-1.68E-15	.000000	-5.09E-15	-213.562504
0.50000	-48.686146	-70.750001	-1.64E-15	.000000	-1.01E-14	-426.250007
0.75000	-48.686146	-70.458335	-1.61E-15	.000000	-1.50E-14	-638.062511
1.00000	-48.686146	-70.166668	-1.61E-15	.000000	-1.97E-14	-849.000014

ELEM 78 ========== LENGTH = 15.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	529.245443	133.624976	3.13E-15	.000000	.000000	.000000
0.25000	529.245443	133.260392	3.08E-15	.000000	1.16E-14	500.410065
0.50000	529.245443	132.895809	3.04E-15	.000000	2.31E-14	999.452942
0.75000	529.245443	132.531226	3.00E-15	.000000	3.44E-14	1497.129
1.00000	529.245443	132.166642	3.04E-15	.000000	4.56E-14	1993.437

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-529.245443	-133.624976	-3.13E-15	.000000	.000000	.000000
0.25000	-529.245443	-133.260392	-3.08E-15	.000000	-1.16E-14	-500.410065
0.50000	-529.245443	-132.895809	-3.04E-15	.000000	-2.31E-14	-999.452942
0.75000	-529.245443	-132.531226	-3.00E-15	.000000	-3.44E-14	-1497.129
1.00000	-529.245443	-132.166642	-3.04E-15	.000000	-4.56E-14	-1993.437

ELEM 79 ========== LENGTH = 15.487600

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	90.483581	122.155408	2.86E-15	.000000	.000000	.000000
0.25000	90.483581	121.778974	2.81E-15	.000000	1.10E-14	472.244767
0.50000	90.483581	121.402539	2.77E-15	.000000	2.18E-14	943.032017
0.75000	90.483581	121.026104	2.73E-15	.000000	3.24E-14	1412.362
1.00000	90.483581	120.649669	2.77E-15	.000000	4.29E-14	1880.234

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-90.483581	-122.155408	-2.86E-15	.000000	.000000	.000000
0.25000	-90.483581	-121.778974	-2.81E-15	.000000	-1.10E-14	-472.244767
0.50000	-90.483581	-121.402539	-2.77E-15	.000000	-2.18E-14	-943.032017
0.75000	-90.483581	-121.026104	-2.73E-15	.000000	-3.24E-14	-1412.362
1.00000	-90.483581	-120.649669	-2.77E-15	.000000	-4.29E-14	-1880.234

ELEM 80 ========== LENGTH = 14.462800

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	108.038530	117.510745	2.76E-15	.000000	.000000	.000000
0.25000	108.038530	117.159219	2.72E-15	.000000	9.91E-15	424.248094
0.50000	108.038530	116.807692	2.68E-15	.000000	1.97E-14	847.225175
0.75000	108.038530	116.456166	2.63E-15	.000000	2.93E-14	1268.931
1.00000	108.038530	116.104640	2.67E-15	.000000	3.87E-14	1689.366

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3

0.00000	-108.038530	-117.510745	-2.76E-15	.000000	.000000	.000000
0.25000	-108.038530	-117.159219	-2.72E-15	.000000	-9.91E-15	-424.248094
0.50000	-108.038530	-116.807692	-2.68E-15	.000000	-1.97E-14	-847.225175
0.75000	-108.038530	-116.456166	-2.63E-15	.000000	-2.93E-14	-1268.931
1.00000	-108.038530	-116.104640	-2.67E-15	.000000	-3.87E-14	-1689.366

ELEM 81 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	48.686146	24.166668	6.80E-16	.000000	1.81E-14	848.996442
0.25000	48.686146	23.583334	6.10E-16	.000000	2.20E-14	992.246431
0.50000	48.686146	23.000001	5.39E-16	.000000	2.54E-14	1131.996
0.75000	48.686146	22.416668	5.55E-16	.000000	2.84E-14	1268.246
1.00000	48.686146	21.833334	6.26E-16	.000000	3.10E-14	1400.996

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-48.686146	-24.166668	-6.80E-16	.000000	-1.81E-14	-848.996442
0.25000	-48.686146	-23.583334	-6.10E-16	.000000	-2.20E-14	-992.246431
0.50000	-48.686146	-23.000001	-5.39E-16	.000000	-2.54E-14	-1131.996
0.75000	-48.686146	-22.416668	-5.55E-16	.000000	-2.84E-14	-1268.246
1.00000	-48.686146	-21.833334	-6.26E-16	.000000	-3.10E-14	-1400.996

ELEM 82 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	529.245443	31.166642	8.44E-16	.000000	4.35E-14	1993.431
0.25000	529.245443	30.583309	7.74E-16	.000000	4.83E-14	2178.680
0.50000	529.245443	29.999975	7.03E-16	.000000	5.27E-14	2360.430
0.75000	529.245443	29.416642	7.33E-16	.000000	5.67E-14	2538.680
1.00000	529.245443	29.416644	8.03E-16	.000000	6.03E-14	2713.430

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-529.245443	-31.166642	-8.44E-16	.000000	-4.35E-14	-1993.431
0.25000	-529.245443	-30.583309	-7.74E-16	.000000	-4.83E-14	-2178.680
0.50000	-529.245443	-29.999975	-7.03E-16	.000000	-5.27E-14	-2360.430
0.75000	-529.245443	-29.416642	-7.33E-16	.000000	-5.67E-14	-2538.680
1.00000	-529.245443	-29.416644	-8.03E-16	.000000	-6.03E-14	-2713.430

ELEM 83 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	90.483581	27.649669	7.62E-16	.000000	4.10E-14	1880.228
0.25000	90.483581	27.066336	6.91E-16	.000000	4.53E-14	2044.376
0.50000	90.483581	26.483003	6.21E-16	.000000	4.93E-14	2205.024
0.75000	90.483581	25.899669	6.52E-16	.000000	5.28E-14	2362.172
1.00000	90.483581	25.994483	7.23E-16	.000000	5.59E-14	2515.820

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-90.483581	-27.649669	-7.62E-16	.000000	-4.10E-14	-1880.228
0.25000	-90.483581	-27.066336	-6.91E-16	.000000	-4.53E-14	-2044.376
0.50000	-90.483581	-26.483003	-6.21E-16	.000000	-4.93E-14	-2205.024

```
0.75000  -90.483581  -25.899669   -6.52E-16     .000000   -5.28E-14   -2362.172
1.00000  -90.483581  -25.994483   -7.23E-16     .000000   -5.59E-14   -2515.820

ELEM      86 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  162.207110    5.500000    6.66E-16     .000000     .000000     .000000
0.25000  162.207110    2.750000    3.33E-16     .000000    8.99E-15   74.250006
0.50000  162.207110    3.55E-15     .000000     .000000    1.20E-14   99.000008
0.75000  162.207110    2.750000    3.33E-16     .000000    8.99E-15   74.250006
1.00000  162.207110    5.500000    6.66E-16     .000000    3.94E-31    2.45E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -162.207110   -5.500000   -6.66E-16     .000000     .000000     .000000
0.25000 -162.207110   -2.750000   -3.33E-16     .000000   -8.99E-15  -74.250006
0.50000 -162.207110   -3.55E-15     .000000     .000000   -1.20E-14  -99.000008
0.75000 -162.207110   -2.750000   -3.33E-16     .000000   -8.99E-15  -74.250006
1.00000 -162.207110   -5.500000   -6.66E-16     .000000   -3.94E-31   -2.45E-13

ELEM      87 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   48.686146   24.166669    6.80E-16     .000000    3.11E-14    1400.996
0.25000   48.686146   24.750002    6.10E-16     .000000    2.81E-14    1254.246
0.50000   48.686146   25.333335    5.94E-16     .000000    2.48E-14    1103.996
0.75000   48.686146   25.916669    6.64E-16     .000000    2.10E-14  950.246456
1.00000   48.686146   26.500002    7.35E-16     .000000    1.68E-14  792.996461

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -48.686146  -24.166669   -6.80E-16     .000000   -3.11E-14   -1400.996
0.25000  -48.686146  -24.750002   -6.10E-16     .000000   -2.81E-14   -1254.246
0.50000  -48.686146  -25.333335   -5.94E-16     .000000   -2.48E-14   -1103.996
0.75000  -48.686146  -25.916669   -6.64E-16     .000000   -2.10E-14 -950.246456
1.00000  -48.686146  -26.500002   -7.35E-16     .000000   -1.68E-14 -792.996461

ELEM      88 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  218.667026   31.500024    7.96E-16     .000000     .000000     .000000
0.25000  218.667026   30.916690    7.26E-16     .000000    4.57E-15  187.250141
0.50000  218.667026   30.333357    6.55E-16     .000000    8.71E-15  371.000282
0.75000  218.667026   29.750023    6.78E-16     .000000    1.24E-14  551.250423
1.00000  218.667026   29.166690    7.49E-16     .000000    1.57E-14  728.000563

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -218.667026  -31.500024   -7.96E-16     .000000     .000000     .000000
0.25000 -218.667026  -30.916690   -7.26E-16     .000000   -4.57E-15 -187.250141
0.50000 -218.667026  -30.333357   -6.55E-16     .000000   -8.71E-15 -371.000282
0.75000 -218.667026  -29.750023   -6.78E-16     .000000   -1.24E-14 -551.250423
1.00000 -218.667026  -29.166690   -7.49E-16     .000000   -1.57E-14 -728.000563
```

ELEM 89 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	529.245443	57.166709	1.44E-15	.000000	6.07E-14	2713.431
0.25000	529.245443	57.750042	1.37E-15	.000000	5.32E-14	2368.681
0.50000	529.245443	58.333375	1.37E-15	.000000	4.52E-14	2020.431
0.75000	529.245443	58.916709	1.44E-15	.000000	3.68E-14	1668.680
1.00000	529.245443	59.500042	1.51E-15	.000000	2.79E-14	1313.430

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-529.245443	-57.166709	-1.44E-15	.000000	-6.07E-14	-2713.431
0.25000	-529.245443	-57.750042	-1.37E-15	.000000	-5.32E-14	-2368.681
0.50000	-529.245443	-58.333375	-1.37E-15	.000000	-4.52E-14	-2020.431
0.75000	-529.245443	-58.916709	-1.44E-15	.000000	-3.68E-14	-1668.680
1.00000	-529.245443	-59.500042	-1.51E-15	.000000	-2.79E-14	-1313.430

ELEM 90 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	90.483581	75.013814	1.86E-15	.000000	5.65E-14	2515.821
0.25000	90.483581	75.597148	1.79E-15	.000000	4.74E-14	2107.969
0.50000	90.483581	76.180481	1.79E-15	.000000	3.80E-14	1696.617
0.75000	90.483581	76.763814	1.86E-15	.000000	2.81E-14	1281.765
1.00000	90.483581	77.347148	1.93E-15	.000000	1.78E-14	863.413066

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-90.483581	-75.013814	-1.86E-15	.000000	-5.65E-14	-2515.821
0.25000	-90.483581	-75.597148	-1.79E-15	.000000	-4.74E-14	-2107.969
0.50000	-90.483581	-76.180481	-1.79E-15	.000000	-3.80E-14	-1696.617
0.75000	-90.483581	-76.763814	-1.86E-15	.000000	-2.81E-14	-1281.765
1.00000	-90.483581	-77.347148	-1.93E-15	.000000	-1.78E-14	-863.413066

ELEM 91 ========== LENGTH = 12.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	48.686146	65.500002	1.50E-15	.000000	1.84E-14	793.000025
0.25000	48.686146	65.791669	1.50E-15	.000000	1.40E-14	596.062519
0.50000	48.686146	66.083335	1.53E-15	.000000	9.42E-15	398.250013
0.75000	48.686146	66.375002	1.57E-15	.000000	4.76E-15	199.562506
1.00000	48.686146	66.666669	1.61E-15	.000000	4.30E-30	8.39E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-48.686146	-65.500002	-1.50E-15	.000000	-1.84E-14	-793.000025
0.25000	-48.686146	-65.791669	-1.50E-15	.000000	-1.40E-14	-596.062519
0.50000	-48.686146	-66.083335	-1.53E-15	.000000	-9.42E-15	-398.250013
0.75000	-48.686146	-66.375002	-1.57E-15	.000000	-4.76E-15	-199.562506
1.00000	-48.686146	-66.666669	-1.61E-15	.000000	-4.30E-30	-8.39E-13

ELEM 92 ========== LENGTH = 9.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	529.245443	145.500042	3.49E-15	.000000	3.19E-14	1313.438
0.25000	529.245443	145.718792	3.52E-15	.000000	2.40E-14	985.816690
0.50000	529.245443	145.937542	3.54E-15	.000000	1.61E-14	657.703314
0.75000	529.245443	146.156292	3.57E-15	.000000	8.06E-15	329.097751
1.00000	529.245443	146.375042	3.59E-15	.000000	7.30E-29	2.61E-12

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-529.245443	-145.500042	-3.49E-15	.000000	-3.19E-14	-1313.438
0.25000	-529.245443	-145.718792	-3.52E-15	.000000	-2.40E-14	-985.816690
0.50000	-529.245443	-145.937542	-3.54E-15	.000000	-1.61E-14	-657.703314
0.75000	-529.245443	-146.156292	-3.57E-15	.000000	-8.06E-15	-329.097751
1.00000	-529.245443	-146.375042	-3.59E-15	.000000	-7.30E-29	-2.61E-12

ELEM 93 ========== LENGTH = 8.512400

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	90.483581	101.017030	2.43E-15	.000000	2.11E-14	863.419770
0.25000	90.483581	101.223928	2.46E-15	.000000	1.59E-14	648.225279
0.50000	90.483581	101.430827	2.48E-15	.000000	1.07E-14	432.590487
0.75000	90.483581	101.637725	2.51E-15	.000000	5.36E-15	216.515394
1.00000	90.483581	101.844624	2.53E-15	.000000	8.35E-29	6.01E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-90.483581	-101.017030	-2.43E-15	.000000	-2.11E-14	-863.419770
0.25000	-90.483581	-101.223928	-2.46E-15	.000000	-1.59E-14	-648.225279
0.50000	-90.483581	-101.430827	-2.48E-15	.000000	-1.07E-14	-432.590487
0.75000	-90.483581	-101.637725	-2.51E-15	.000000	-5.36E-15	-216.515394
1.00000	-90.483581	-101.844624	-2.53E-15	.000000	-8.35E-29	-6.01E-13

ELEM 94 ========== LENGTH = 15.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2750.086	.000000	.000000	.000000	.000000	.000000
0.50000	2748.300	.000000	.000000	.000000	.000000	.000000
1.00000	2746.513	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2750.086	.000000	.000000	.000000	.000000	.000000
0.50000	-2748.300	.000000	.000000	.000000	.000000	.000000
1.00000	-2746.513	.000000	.000000	.000000	.000000	.000000

ELEM 95 ========== LENGTH = 80.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2512.013	.000000	.000000	.000000	.000000	.000000
0.50000	2502.854	.000000	.000000	.000000	.000000	.000000
1.00000	2493.695	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

```
REL DIST          P          V2          V3           T          M2          M3
0.00000   -2512.013     .000000     .000000     .000000     .000000     .000000
0.50000   -2502.854     .000000     .000000     .000000     .000000     .000000
1.00000   -2493.695     .000000     .000000     .000000     .000000     .000000

ELEM      96 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2086.403     .000000     .000000     .000000     .000000     .000000
0.50000    2075.514     .000000     .000000     .000000     .000000     .000000
1.00000    2064.626     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2086.403     .000000     .000000     .000000     .000000     .000000
0.50000   -2075.514     .000000     .000000     .000000     .000000     .000000
1.00000   -2064.626     .000000     .000000     .000000     .000000     .000000

ELEM      97 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1693.448     .000000     .000000     .000000     .000000     .000000
0.50000    1682.559     .000000     .000000     .000000     .000000     .000000
1.00000    1671.670     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1693.448     .000000     .000000     .000000     .000000     .000000
0.50000   -1682.559     .000000     .000000     .000000     .000000     .000000
1.00000   -1671.670     .000000     .000000     .000000     .000000     .000000

ELEM      98 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1356.681     .000000     .000000     .000000     .000000     .000000
0.50000    1345.792     .000000     .000000     .000000     .000000     .000000
1.00000    1334.903     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1356.681     .000000     .000000     .000000     .000000     .000000
0.50000   -1345.792     .000000     .000000     .000000     .000000     .000000
1.00000   -1334.903     .000000     .000000     .000000     .000000     .000000

ELEM      99 ================== LENGTH =  110.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1039.903     .000000     .000000     .000000     .000000     .000000
0.50000    1027.426     .000000     .000000     .000000     .000000     .000000
1.00000    1014.949     .000000     .000000     .000000     .000000     .000000
```

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1039.903	.000000	.000000	.000000	.000000	.000000
0.50000	-1027.426	.000000	.000000	.000000	.000000	.000000
1.00000	-1014.949	.000000	.000000	.000000	.000000	.000000

ELEM 100 ========== LENGTH = 13.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	902.949075	.000000	.000000	.000000	.000000	.000000
0.50000	901.474538	.000000	.000000	.000000	.000000	.000000
1.00000	900.000001	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-902.949075	.000000	.000000	.000000	.000000	.000000
0.50000	-901.474538	.000000	.000000	.000000	.000000	.000000
1.00000	-900.000001	.000000	.000000	.000000	.000000	.000000

ELEM 101 ========== LENGTH = 12.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	48.686146	46.833352	1.14E-15	.000000	.000000	.000000
0.25000	48.686146	46.541685	1.10E-15	.000000	3.37E-15	140.062555
0.50000	48.686146	46.250018	1.07E-15	.000000	6.63E-15	279.250109
0.75000	48.686146	45.958351	1.03E-15	.000000	9.79E-15	417.562663
1.00000	48.686146	45.666685	1.03E-15	.000000	1.28E-14	555.000218

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-48.686146	-46.833352	-1.14E-15	.000000	.000000	.000000
0.25000	-48.686146	-46.541685	-1.10E-15	.000000	-3.37E-15	-140.062555
0.50000	-48.686146	-46.250018	-1.07E-15	.000000	-6.63E-15	-279.250109
0.75000	-48.686146	-45.958351	-1.03E-15	.000000	-9.79E-15	-417.562663
1.00000	-48.686146	-45.666685	-1.03E-15	.000000	-1.28E-14	-555.000218

ELEM 102 ========== LENGTH = 12.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	90.483581	29.333345	7.30E-16	.000000	.000000	.000000
0.25000	90.483581	29.041679	6.95E-16	.000000	2.14E-15	87.562536
0.50000	90.483581	28.750012	6.59E-16	.000000	4.17E-15	174.250072
0.75000	90.483581	28.458345	6.24E-16	.000000	6.09E-15	260.062608
1.00000	90.483581	28.166679	6.22E-16	.000000	7.91E-15	345.000143

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-90.483581	-29.333345	-7.30E-16	.000000	.000000	.000000
0.25000	-90.483581	-29.041679	-6.95E-16	.000000	-2.14E-15	-87.562536
0.50000	-90.483581	-28.750012	-6.59E-16	.000000	-4.17E-15	-174.250072
0.75000	-90.483581	-28.458345	-6.24E-16	.000000	-6.09E-15	-260.062608
1.00000	-90.483581	-28.166679	-6.22E-16	.000000	-7.91E-15	-345.000143

ELEM 103 ========== LENGTH = 26.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	529.245443	39.916680	9.92E-16	.000000	.000000	.000000
0.25000	529.245443	39.284735	9.15E-16	.000000	6.20E-15	257.404600
0.50000	529.245443	38.652791	8.39E-16	.000000	1.19E-14	510.701561
0.75000	529.245443	38.020846	8.77E-16	.000000	1.71E-14	759.890882
1.00000	529.245443	37.388902	9.53E-16	.000000	2.18E-14	1004.973

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-529.245443	-39.916680	-9.92E-16	.000000	.000000	.000000
0.25000	-529.245443	-39.284735	-9.15E-16	.000000	-6.20E-15	-257.404600
0.50000	-529.245443	-38.652791	-8.39E-16	.000000	-1.19E-14	-510.701561
0.75000	-529.245443	-38.020846	-8.77E-16	.000000	-1.71E-14	-759.890882
1.00000	-529.245443	-37.388902	-9.53E-16	.000000	-2.18E-14	-1004.973

ELEM 104 ========== LENGTH = 30.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	48.686146	19.666671	5.96E-16	.000000	1.16E-14	554.998293
0.25000	48.686146	18.937505	5.07E-16	.000000	1.35E-14	602.264053
0.50000	48.686146	18.208338	4.19E-16	.000000	1.47E-14	644.061063
0.75000	48.686146	17.479171	4.67E-16	.000000	1.53E-14	680.389323
1.00000	48.686146	17.916668	5.55E-16	.000000	1.52E-14	711.248832

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-48.686146	-19.666671	-5.96E-16	.000000	-1.16E-14	-554.998293
0.25000	-48.686146	-18.937505	-5.07E-16	.000000	-1.35E-14	-602.264053
0.50000	-48.686146	-18.208338	-4.19E-16	.000000	-1.47E-14	-644.061063
0.75000	-48.686146	-17.479171	-4.67E-16	.000000	-1.53E-14	-680.389323
1.00000	-48.686146	-17.916668	-5.55E-16	.000000	-1.52E-14	-711.248832

ELEM 106 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	108.038530	3.500000	4.24E-16	.000000	.000000	.000000
0.25000	108.038530	1.750000	2.12E-16	.000000	5.72E-15	47.250004
0.50000	108.038530	2.11E-15	1.08E-31	.000000	7.63E-15	63.000005
0.75000	108.038530	1.750000	2.12E-16	.000000	5.72E-15	47.250004
1.00000	108.038530	3.500000	4.24E-16	.000000	8.19E-30	1.55E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-108.038530	-3.500000	-4.24E-16	.000000	.000000	.000000
0.25000	-108.038530	-1.750000	-2.12E-16	.000000	-5.72E-15	-47.250004
0.50000	-108.038530	-2.11E-15	-1.08E-31	.000000	-7.63E-15	-63.000005
0.75000	-108.038530	-1.750000	-2.12E-16	.000000	-5.72E-15	-47.250004
1.00000	-108.038530	-3.500000	-4.24E-16	.000000	-8.19E-30	-1.55E-13

ELEM 107 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

```
REL DIST          P          V2          V3           T          M2          M3
0.00000  218.667026    3.500000    4.24E-16     .000000     .000000     .000000
0.25000  218.667026    1.750000    2.12E-16     .000000    5.72E-15   47.250004
0.50000  218.667026    2.11E-15    1.08E-31     .000000    7.63E-15   63.000005
0.75000  218.667026    1.750000    2.12E-16     .000000    5.72E-15   47.250004
1.00000  218.667026    3.500000    4.24E-16     .000000    8.19E-30    1.55E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -218.667026   -3.500000   -4.24E-16     .000000     .000000     .000000
0.25000 -218.667026   -1.750000   -2.12E-16     .000000   -5.72E-15  -47.250004
0.50000 -218.667026   -2.11E-15   -1.08E-31     .000000   -7.63E-15  -63.000005
0.75000 -218.667026   -1.750000   -2.12E-16     .000000   -5.72E-15  -47.250004
1.00000 -218.667026   -3.500000   -4.24E-16     .000000   -8.19E-30   -1.55E-13

ELEM     109 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  162.207110    5.500000    6.66E-16     .000000     .000000     .000000
0.25000  162.207110    2.750000    3.33E-16     .000000    8.99E-15   74.250006
0.50000  162.207110    3.55E-15     .000000     .000000    1.20E-14   99.000008
0.75000  162.207110    2.750000    3.33E-16     .000000    8.99E-15   74.250006
1.00000  162.207110    5.500000    6.66E-16     .000000    3.94E-31    2.45E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -162.207110   -5.500000   -6.66E-16     .000000     .000000     .000000
0.25000 -162.207110   -2.750000   -3.33E-16     .000000   -8.99E-15  -74.250006
0.50000 -162.207110   -3.55E-15     .000000     .000000   -1.20E-14  -99.000008
0.75000 -162.207110   -2.750000   -3.33E-16     .000000   -8.99E-15  -74.250006
1.00000 -162.207110   -5.500000   -6.66E-16     .000000   -3.94E-31   -2.45E-13

ELEM     110 ================== LENGTH =   60.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   90.483581    7.499994    5.27E-16     .000000    1.05E-14  344.999348
0.25000   90.483581    6.041661    3.51E-16     .000000    6.50E-15  291.562014
0.50000   90.483581    5.749989    1.74E-16     .000000    6.98E-15  216.249678
0.75000   90.483581    7.208323    2.33E-16     .000000    4.82E-15  119.062340
1.00000   90.483581    8.666656    4.09E-16     .000000    5.62E-30    1.00E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -90.483581   -7.499994   -5.27E-16     .000000   -1.05E-14 -344.999348
0.25000  -90.483581   -6.041661   -3.51E-16     .000000   -6.50E-15 -291.562014
0.50000  -90.483581   -5.749989   -1.74E-16     .000000   -6.98E-15 -216.249678
0.75000  -90.483581   -7.208323   -2.33E-16     .000000   -4.82E-15 -119.062340
1.00000  -90.483581   -8.666656   -4.09E-16     .000000   -5.62E-30   -1.00E-13

ELEM     111 ================== LENGTH =   46.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  529.245443   21.555546    7.57E-16     .000000    2.24E-14    1004.972
```

```
0.25000  529.245443   20.729154    6.22E-16     .000000    1.73E-14  773.015202
0.50000  529.245443   21.847210    4.87E-16     .000000    1.31E-14  528.201108
0.75000  529.245443   22.965266    5.68E-16     .000000    7.31E-15  270.529374
1.00000  529.245443   24.083321    7.03E-16     .000000    2.87E-30    8.86E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -529.245443  -21.555546   -7.57E-16     .000000   -2.24E-14   -1004.972
0.25000 -529.245443  -20.729154   -6.22E-16     .000000   -1.73E-14 -773.015202
0.50000 -529.245443  -21.847210   -4.87E-16     .000000   -1.31E-14 -528.201108
0.75000 -529.245443  -22.965266   -5.68E-16     .000000   -7.31E-15 -270.529374
1.00000 -529.245443  -24.083321   -7.03E-16     .000000   -2.87E-30   -8.86E-14

ELEM     112 ================== LENGTH =   30.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   48.686146   22.249982    6.53E-16     .000000    1.49E-14  711.249468
0.25000   48.686146   22.979149    5.65E-16     .000000    1.22E-14  541.640227
0.50000   48.686146   23.708316    4.96E-16     .000000    8.76E-15  366.562235
0.75000   48.686146   24.437482    5.84E-16     .000000    4.71E-15  186.015493
1.00000   48.686146   25.166649    6.73E-16     .000000    5.94E-30    2.65E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -48.686146  -22.249982   -6.53E-16     .000000   -1.49E-14 -711.249468
0.25000  -48.686146  -22.979149   -5.65E-16     .000000   -1.22E-14 -541.640227
0.50000  -48.686146  -23.708316   -4.96E-16     .000000   -8.76E-15 -366.562235
0.75000  -48.686146  -24.437482   -5.84E-16     .000000   -4.71E-15 -186.015493
1.00000  -48.686146  -25.166649   -6.73E-16     .000000   -5.94E-30   -2.65E-13

ELEM     113 ================== LENGTH =   15.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2289.544     .000000     .000000     .000000     .000000     .000000
0.50000    2287.757     .000000     .000000     .000000     .000000     .000000
1.00000    2285.971     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2289.544     .000000     .000000     .000000     .000000     .000000
0.50000   -2287.757     .000000     .000000     .000000     .000000     .000000
1.00000   -2285.971     .000000     .000000     .000000     .000000     .000000

ELEM     114 ================== LENGTH =   80.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2136.304     .000000     .000000     .000000     .000000     .000000
0.50000    2127.145     .000000     .000000     .000000     .000000     .000000
1.00000    2117.986     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2136.304     .000000     .000000     .000000     .000000     .000000
```

```
0.50000   -2127.145     .000000     .000000     .000000     .000000     .000000
1.00000   -2117.986     .000000     .000000     .000000     .000000     .000000

ELEM     115 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1869.403     .000000     .000000     .000000     .000000     .000000
0.50000    1858.514     .000000     .000000     .000000     .000000     .000000
1.00000    1847.625     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1869.403     .000000     .000000     .000000     .000000     .000000
0.50000   -1858.514     .000000     .000000     .000000     .000000     .000000
1.00000   -1847.625     .000000     .000000     .000000     .000000     .000000

ELEM     116 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1595.458     .000000     .000000     .000000     .000000     .000000
0.50000    1584.569     .000000     .000000     .000000     .000000     .000000
1.00000    1573.681     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1595.458     .000000     .000000     .000000     .000000     .000000
0.50000   -1584.569     .000000     .000000     .000000     .000000     .000000
1.00000   -1573.681     .000000     .000000     .000000     .000000     .000000

ELEM     117 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1326.681     .000000     .000000     .000000     .000000     .000000
0.50000    1315.792     .000000     .000000     .000000     .000000     .000000
1.00000    1304.903     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1326.681     .000000     .000000     .000000     .000000     .000000
0.50000   -1315.792     .000000     .000000     .000000     .000000     .000000
1.00000   -1304.903     .000000     .000000     .000000     .000000     .000000

ELEM     118 ================== LENGTH =  123.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1023.903     .000000     .000000     .000000     .000000     .000000
0.50000    1009.951     .000000     .000000     .000000     .000000     .000000
1.00000  996.000001     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
```

0.00000	-1023.903	.000000	.000000	.000000	.000000	.000000
0.50000	-1009.951	.000000	.000000	.000000	.000000	.000000
1.00000	-996.000001	.000000	.000000	.000000	.000000	.000000

ELEM 121 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	48.686146	3.500000	4.24E-16	.000000	.000000	.000000
0.25000	48.686146	1.750000	2.12E-16	.000000	5.72E-15	47.250004
0.50000	48.686146	2.11E-15	1.08E-31	.000000	7.63E-15	63.000005
0.75000	48.686146	1.750000	2.12E-16	.000000	5.72E-15	47.250004
1.00000	48.686146	3.500000	4.24E-16	.000000	8.19E-30	1.55E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-48.686146	-3.500000	-4.24E-16	.000000	.000000	.000000
0.25000	-48.686146	-1.750000	-2.12E-16	.000000	-5.72E-15	-47.250004
0.50000	-48.686146	-2.11E-15	-1.08E-31	.000000	-7.63E-15	-63.000005
0.75000	-48.686146	-1.750000	-2.12E-16	.000000	-5.72E-15	-47.250004
1.00000	-48.686146	-3.500000	-4.24E-16	.000000	-8.19E-30	-1.55E-13

ELEM 122 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	529.245443	3.500000	4.24E-16	.000000	.000000	.000000
0.25000	529.245443	1.750000	2.12E-16	.000000	5.72E-15	47.250004
0.50000	529.245443	2.11E-15	1.08E-31	.000000	7.63E-15	63.000005
0.75000	529.245443	1.750000	2.12E-16	.000000	5.72E-15	47.250004
1.00000	529.245443	3.500000	4.24E-16	.000000	8.19E-30	1.55E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-529.245443	-3.500000	-4.24E-16	.000000	.000000	.000000
0.25000	-529.245443	-1.750000	-2.12E-16	.000000	-5.72E-15	-47.250004
0.50000	-529.245443	-2.11E-15	-1.08E-31	.000000	-7.63E-15	-63.000005
0.75000	-529.245443	-1.750000	-2.12E-16	.000000	-5.72E-15	-47.250004
1.00000	-529.245443	-3.500000	-4.24E-16	.000000	-8.19E-30	-1.55E-13

ELEM 123 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	90.483581	3.500000	4.24E-16	.000000	.000000	.000000
0.25000	90.483581	1.750000	2.12E-16	.000000	5.72E-15	47.250004
0.50000	90.483581	2.11E-15	1.08E-31	.000000	7.63E-15	63.000005
0.75000	90.483581	1.750000	2.12E-16	.000000	5.72E-15	47.250004
1.00000	90.483581	3.500000	4.24E-16	.000000	8.19E-30	1.55E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-90.483581	-3.500000	-4.24E-16	.000000	.000000	.000000
0.25000	-90.483581	-1.750000	-2.12E-16	.000000	-5.72E-15	-47.250004
0.50000	-90.483581	-2.11E-15	-1.08E-31	.000000	-7.63E-15	-63.000005
0.75000	-90.483581	-1.750000	-2.12E-16	.000000	-5.72E-15	-47.250004
1.00000	-90.483581	-3.500000	-4.24E-16	.000000	-8.19E-30	-1.55E-13

```
ELEM     124 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  108.038530    3.500000    4.24E-16     .000000     .000000     .000000
0.25000  108.038530    1.750000    2.12E-16     .000000    5.72E-15   47.250004
0.50000  108.038530    2.11E-15    1.08E-31     .000000    7.63E-15   63.000005
0.75000  108.038530    1.750000    2.12E-16     .000000    5.72E-15   47.250004
1.00000  108.038530    3.500000    4.24E-16     .000000    8.19E-30    1.55E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -108.038530   -3.500000   -4.24E-16     .000000     .000000     .000000
0.25000 -108.038530   -1.750000   -2.12E-16     .000000   -5.72E-15  -47.250004
0.50000 -108.038530   -2.11E-15   -1.08E-31     .000000   -7.63E-15  -63.000005
0.75000 -108.038530   -1.750000   -2.12E-16     .000000   -5.72E-15  -47.250004
1.00000 -108.038530   -3.500000   -4.24E-16     .000000   -8.19E-30   -1.55E-13

ELEM     125 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  218.667026    3.500000    4.24E-16     .000000     .000000     .000000
0.25000  218.667026    1.750000    2.12E-16     .000000    5.72E-15   47.250004
0.50000  218.667026    2.11E-15    1.08E-31     .000000    7.63E-15   63.000005
0.75000  218.667026    1.750000    2.12E-16     .000000    5.72E-15   47.250004
1.00000  218.667026    3.500000    4.24E-16     .000000    8.19E-30    1.55E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -218.667026   -3.500000   -4.24E-16     .000000     .000000     .000000
0.25000 -218.667026   -1.750000   -2.12E-16     .000000   -5.72E-15  -47.250004
0.50000 -218.667026   -2.11E-15   -1.08E-31     .000000   -7.63E-15  -63.000005
0.75000 -218.667026   -1.750000   -2.12E-16     .000000   -5.72E-15  -47.250004
1.00000 -218.667026   -3.500000   -4.24E-16     .000000   -8.19E-30   -1.55E-13

ELEM     126 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  162.207110    5.500000    6.66E-16     .000000     .000000     .000000
0.25000  162.207110    2.750000    3.33E-16     .000000    8.99E-15   74.250006
0.50000  162.207110    3.55E-15     .000000     .000000    1.20E-14   99.000008
0.75000  162.207110    2.750000    3.33E-16     .000000    8.99E-15   74.250006
1.00000  162.207110    5.500000    6.66E-16     .000000    3.94E-31    2.45E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -162.207110   -5.500000   -6.66E-16     .000000     .000000     .000000
0.25000 -162.207110   -2.750000   -3.33E-16     .000000   -8.99E-15  -74.250006
0.50000 -162.207110   -3.55E-15     .000000     .000000   -1.20E-14  -99.000008
0.75000 -162.207110   -2.750000   -3.33E-16     .000000   -8.99E-15  -74.250006
1.00000 -162.207110   -5.500000   -6.66E-16     .000000   -3.94E-31   -2.45E-13

ELEM     129 ================== LENGTH =   15.750000
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```
COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2289.544     .000000     .000000     .000000     .000000     .000000
0.50000    2287.757     .000000     .000000     .000000     .000000     .000000
1.00000    2285.971     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2289.544     .000000     .000000     .000000     .000000     .000000
0.50000   -2287.757     .000000     .000000     .000000     .000000     .000000
1.00000   -2285.971     .000000     .000000     .000000     .000000     .000000

ELEM     130 ================== LENGTH =   80.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2136.304     .000000     .000000     .000000     .000000     .000000
0.50000    2127.145     .000000     .000000     .000000     .000000     .000000
1.00000    2117.986     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2136.304     .000000     .000000     .000000     .000000     .000000
0.50000   -2127.145     .000000     .000000     .000000     .000000     .000000
1.00000   -2117.986     .000000     .000000     .000000     .000000     .000000

ELEM     131 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1869.403     .000000     .000000     .000000     .000000     .000000
0.50000    1858.514     .000000     .000000     .000000     .000000     .000000
1.00000    1847.625     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1869.403     .000000     .000000     .000000     .000000     .000000
0.50000   -1858.514     .000000     .000000     .000000     .000000     .000000
1.00000   -1847.625     .000000     .000000     .000000     .000000     .000000

ELEM     132 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1595.458     .000000     .000000     .000000     .000000     .000000
0.50000    1584.569     .000000     .000000     .000000     .000000     .000000
1.00000    1573.681     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1595.458     .000000     .000000     .000000     .000000     .000000
0.50000   -1584.569     .000000     .000000     .000000     .000000     .000000
1.00000   -1573.681     .000000     .000000     .000000     .000000     .000000

ELEM     133 ================== LENGTH =   96.000000
```

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1326.681	.000000	.000000	.000000	.000000	.000000
0.50000	1315.792	.000000	.000000	.000000	.000000	.000000
1.00000	1304.903	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1326.681	.000000	.000000	.000000	.000000	.000000
0.50000	-1315.792	.000000	.000000	.000000	.000000	.000000
1.00000	-1304.903	.000000	.000000	.000000	.000000	.000000

ELEM 134 ========== LENGTH = 123.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1023.903	.000000	.000000	.000000	.000000	.000000
0.50000	1009.951	.000000	.000000	.000000	.000000	.000000
1.00000	996.000001	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1023.903	.000000	.000000	.000000	.000000	.000000
0.50000	-1009.951	.000000	.000000	.000000	.000000	.000000
1.00000	-996.000001	.000000	.000000	.000000	.000000	.000000

ELEM 135 ========== LENGTH = 30.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	48.686146	25.166649	6.73E-16	.000000	.000000	.000000
0.25000	48.686146	24.437482	5.84E-16	.000000	4.71E-15	186.015493
0.50000	48.686146	23.708316	4.96E-16	.000000	8.76E-15	366.562235
0.75000	48.686146	22.979149	5.65E-16	.000000	1.22E-14	541.640227
1.00000	48.686146	22.249982	6.53E-16	.000000	1.49E-14	711.249468

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-48.686146	-25.166649	-6.73E-16	.000000	.000000	.000000
0.25000	-48.686146	-24.437482	-5.84E-16	.000000	-4.71E-15	-186.015493
0.50000	-48.686146	-23.708316	-4.96E-16	.000000	-8.76E-15	-366.562235
0.75000	-48.686146	-22.979149	-5.65E-16	.000000	-1.22E-14	-541.640227
1.00000	-48.686146	-22.249982	-6.53E-16	.000000	-1.49E-14	-711.249468

ELEM 136 ========== LENGTH = 46.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	529.245443	24.083321	7.03E-16	.000000	.000000	.000000
0.25000	529.245443	22.965266	5.68E-16	.000000	7.31E-15	270.529374
0.50000	529.245443	21.847210	4.87E-16	.000000	1.31E-14	528.201108
0.75000	529.245443	20.729154	6.22E-16	.000000	1.73E-14	773.015202
1.00000	529.245443	21.555546	7.57E-16	.000000	2.24E-14	1004.972

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-529.245443	-24.083321	-7.03E-16	.000000	.000000	.000000
0.25000	-529.245443	-22.965266	-5.68E-16	.000000	-7.31E-15	-270.529374
0.50000	-529.245443	-21.847210	-4.87E-16	.000000	-1.31E-14	-528.201108
0.75000	-529.245443	-20.729154	-6.22E-16	.000000	-1.73E-14	-773.015202
1.00000	-529.245443	-21.555546	-7.57E-16	.000000	-2.24E-14	-1004.972

ELEM 137 ========== LENGTH = 31.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	108.038530	50.894763	1.32E-15	.000000	3.67E-14	1689.362
0.25000	108.038530	50.141291	1.23E-15	.000000	3.88E-14	1741.503
0.50000	108.038530	49.387818	1.13E-15	.000000	4.02E-14	1787.804
0.75000	108.038530	48.967389	1.20E-15	.000000	4.08E-14	1828.267
1.00000	108.038530	49.720861	1.29E-15	.000000	4.07E-14	1862.890

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-108.038530	-50.894763	-1.32E-15	.000000	-3.67E-14	-1689.362
0.25000	-108.038530	-50.141291	-1.23E-15	.000000	-3.88E-14	-1741.503
0.50000	-108.038530	-49.387818	-1.13E-15	.000000	-4.02E-14	-1787.804
0.75000	-108.038530	-48.967389	-1.20E-15	.000000	-4.08E-14	-1828.267
1.00000	-108.038530	-49.720861	-1.29E-15	.000000	-4.07E-14	-1862.890

ELEM 139 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	108.038530	3.500000	4.24E-16	.000000	.000000	.000000
0.25000	108.038530	1.750000	2.12E-16	.000000	5.72E-15	47.250004
0.50000	108.038530	2.11E-15	1.08E-31	.000000	7.63E-15	63.000005
0.75000	108.038530	1.750000	2.12E-16	.000000	5.72E-15	47.250004
1.00000	108.038530	3.500000	4.24E-16	.000000	8.19E-30	1.55E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-108.038530	-3.500000	-4.24E-16	.000000	.000000	.000000
0.25000	-108.038530	-1.750000	-2.12E-16	.000000	-5.72E-15	-47.250004
0.50000	-108.038530	-2.11E-15	-1.08E-31	.000000	-7.63E-15	-63.000005
0.75000	-108.038530	-1.750000	-2.12E-16	.000000	-5.72E-15	-47.250004
1.00000	-108.038530	-3.500000	-4.24E-16	.000000	-8.19E-30	-1.55E-13

ELEM 140 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	218.667026	3.500000	4.24E-16	.000000	.000000	.000000
0.25000	218.667026	1.750000	2.12E-16	.000000	5.72E-15	47.250004
0.50000	218.667026	2.11E-15	1.08E-31	.000000	7.63E-15	63.000005
0.75000	218.667026	1.750000	2.12E-16	.000000	5.72E-15	47.250004
1.00000	218.667026	3.500000	4.24E-16	.000000	8.19E-30	1.55E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-218.667026	-3.500000	-4.24E-16	.000000	.000000	.000000

0.25000	-218.667026	-1.750000	-2.12E-16	.000000	-5.72E-15	-47.250004
0.50000	-218.667026	-2.11E-15	-1.08E-31	.000000	-7.63E-15	-63.000005
0.75000	-218.667026	-1.750000	-2.12E-16	.000000	-5.72E-15	-47.250004
1.00000	-218.667026	-3.500000	-4.24E-16	.000000	-8.19E-30	-1.55E-13

ELEM 142 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	162.207110	5.500000	6.66E-16	.000000	.000000	.000000
0.25000	162.207110	2.750000	3.33E-16	.000000	8.99E-15	74.250006
0.50000	162.207110	3.55E-15	.000000	.000000	1.20E-14	99.000008
0.75000	162.207110	2.750000	3.33E-16	.000000	8.99E-15	74.250006
1.00000	162.207110	5.500000	6.66E-16	.000000	3.94E-31	2.45E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-162.207110	-5.500000	-6.66E-16	.000000	.000000	.000000
0.25000	-162.207110	-2.750000	-3.33E-16	.000000	-8.99E-15	-74.250006
0.50000	-162.207110	-3.55E-15	.000000	.000000	-1.20E-14	-99.000008
0.75000	-162.207110	-2.750000	-3.33E-16	.000000	-8.99E-15	-74.250006
1.00000	-162.207110	-5.500000	-6.66E-16	.000000	-3.94E-31	-2.45E-13

ELEM 143 ========== LENGTH = 30.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	48.686146	17.916668	5.55E-16	.000000	1.52E-14	711.248832
0.25000	48.686146	17.479171	4.67E-16	.000000	1.53E-14	680.389323
0.50000	48.686146	18.208338	4.19E-16	.000000	1.47E-14	644.061063
0.75000	48.686146	18.937505	5.07E-16	.000000	1.35E-14	602.264053
1.00000	48.686146	19.666671	5.96E-16	.000000	1.16E-14	554.998293

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-48.686146	-17.916668	-5.55E-16	.000000	-1.52E-14	-711.248832
0.25000	-48.686146	-17.479171	-4.67E-16	.000000	-1.53E-14	-680.389323
0.50000	-48.686146	-18.208338	-4.19E-16	.000000	-1.47E-14	-644.061063
0.75000	-48.686146	-18.937505	-5.07E-16	.000000	-1.35E-14	-602.264053
1.00000	-48.686146	-19.666671	-5.96E-16	.000000	-1.16E-14	-554.998293

ELEM 144 ========== LENGTH = 26.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	529.245443	37.388902	9.53E-16	.000000	2.18E-14	1004.973
0.25000	529.245443	38.020846	8.77E-16	.000000	1.71E-14	759.890882
0.50000	529.245443	38.652791	8.39E-16	.000000	1.19E-14	510.701561
0.75000	529.245443	39.284735	9.15E-16	.000000	6.20E-15	257.404600
1.00000	529.245443	39.916680	9.92E-16	.000000	4.58E-30	4.20E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-529.245443	-37.388902	-9.53E-16	.000000	-2.18E-14	-1004.973
0.25000	-529.245443	-38.020846	-8.77E-16	.000000	-1.71E-14	-759.890882
0.50000	-529.245443	-38.652791	-8.39E-16	.000000	-1.19E-14	-510.701561
0.75000	-529.245443	-39.284735	-9.15E-16	.000000	-6.20E-15	-257.404600

```
1.00000 -529.245443  -39.916680   -9.92E-16     .000000   -4.58E-30   -4.20E-13

ELEM     145 ================== LENGTH =   12.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   48.686146   45.666685    1.03E-15     .000000    1.28E-14  555.000218
0.25000   48.686146   45.958351    1.03E-15     .000000    9.79E-15  417.562663
0.50000   48.686146   46.250018    1.07E-15     .000000    6.63E-15  279.250109
0.75000   48.686146   46.541685    1.10E-15     .000000    3.37E-15  140.062555
1.00000   48.686146   46.833352    1.14E-15     .000000    3.55E-30    3.60E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -48.686146  -45.666685   -1.03E-15     .000000   -1.28E-14 -555.000218
0.25000  -48.686146  -45.958351   -1.03E-15     .000000   -9.79E-15 -417.562663
0.50000  -48.686146  -46.250018   -1.07E-15     .000000   -6.63E-15 -279.250109
0.75000  -48.686146  -46.541685   -1.10E-15     .000000   -3.37E-15 -140.062555
1.00000  -48.686146  -46.833352   -1.14E-15     .000000   -3.55E-30   -3.60E-13

ELEM     146 ================== LENGTH =   15.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2750.086     .000000     .000000     .000000     .000000     .000000
0.50000    2748.300     .000000     .000000     .000000     .000000     .000000
1.00000    2746.513     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2750.086     .000000     .000000     .000000     .000000     .000000
0.50000   -2748.300     .000000     .000000     .000000     .000000     .000000
1.00000   -2746.513     .000000     .000000     .000000     .000000     .000000

ELEM     147 ================== LENGTH =   80.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2512.013     .000000     .000000     .000000     .000000     .000000
0.50000    2502.854     .000000     .000000     .000000     .000000     .000000
1.00000    2493.695     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2512.013     .000000     .000000     .000000     .000000     .000000
0.50000   -2502.854     .000000     .000000     .000000     .000000     .000000
1.00000   -2493.695     .000000     .000000     .000000     .000000     .000000

ELEM     148 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2086.403     .000000     .000000     .000000     .000000     .000000
0.50000    2075.514     .000000     .000000     .000000     .000000     .000000
1.00000    2064.626     .000000     .000000     .000000     .000000     .000000
```

```
COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2086.403     .000000     .000000     .000000     .000000     .000000
0.50000   -2075.514     .000000     .000000     .000000     .000000     .000000
1.00000   -2064.626     .000000     .000000     .000000     .000000     .000000

ELEM     149 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1693.448     .000000     .000000     .000000     .000000     .000000
0.50000    1682.559     .000000     .000000     .000000     .000000     .000000
1.00000    1671.670     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1693.448     .000000     .000000     .000000     .000000     .000000
0.50000   -1682.559     .000000     .000000     .000000     .000000     .000000
1.00000   -1671.670     .000000     .000000     .000000     .000000     .000000

ELEM     150 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1356.681     .000000     .000000     .000000     .000000     .000000
0.50000    1345.792     .000000     .000000     .000000     .000000     .000000
1.00000    1334.903     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1356.681     .000000     .000000     .000000     .000000     .000000
0.50000   -1345.792     .000000     .000000     .000000     .000000     .000000
1.00000   -1334.903     .000000     .000000     .000000     .000000     .000000

ELEM     151 ================== LENGTH =  110.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1039.903     .000000     .000000     .000000     .000000     .000000
0.50000    1027.426     .000000     .000000     .000000     .000000     .000000
1.00000    1014.949     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1039.903     .000000     .000000     .000000     .000000     .000000
0.50000   -1027.426     .000000     .000000     .000000     .000000     .000000
1.00000   -1014.949     .000000     .000000     .000000     .000000     .000000

ELEM     152 ================== LENGTH =   13.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  902.949075     .000000     .000000     .000000     .000000     .000000
0.50000  901.474538     .000000     .000000     .000000     .000000     .000000
1.00000  900.000001     .000000     .000000     .000000     .000000     .000000
```

```
COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -902.949075     .000000     .000000     .000000     .000000     .000000
0.50000 -901.474538     .000000     .000000     .000000     .000000     .000000
1.00000 -900.000001     .000000     .000000     .000000     .000000     .000000

ELEM     153 ================== LENGTH =    9.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  529.245443  146.375042    3.59E-15     .000000     .000000     .000000
0.25000  529.245443  146.156292    3.57E-15     .000000    8.06E-15  329.097751
0.50000  529.245443  145.937542    3.54E-15     .000000    1.61E-14  657.703314
0.75000  529.245443  145.718792    3.52E-15     .000000    2.40E-14  985.816690
1.00000  529.245443  145.500042    3.49E-15     .000000    3.19E-14    1313.438

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -529.245443 -146.375042   -3.59E-15     .000000     .000000     .000000
0.25000 -529.245443 -146.156292   -3.57E-15     .000000   -8.06E-15 -329.097751
0.50000 -529.245443 -145.937542   -3.54E-15     .000000   -1.61E-14 -657.703314
0.75000 -529.245443 -145.718792   -3.52E-15     .000000   -2.40E-14 -985.816690
1.00000 -529.245443 -145.500042   -3.49E-15     .000000   -3.19E-14   -1313.438

ELEM     154 ================== LENGTH =   12.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   48.686146   66.666669    1.61E-15     .000000     .000000     .000000
0.25000   48.686146   66.375002    1.57E-15     .000000    4.76E-15  199.562506
0.50000   48.686146   66.083335    1.53E-15     .000000    9.42E-15  398.250013
0.75000   48.686146   65.791669    1.50E-15     .000000    1.40E-14  596.062519
1.00000   48.686146   65.500002    1.50E-15     .000000    1.84E-14  793.000025

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -48.686146  -66.666669   -1.61E-15     .000000     .000000     .000000
0.25000  -48.686146  -66.375002   -1.57E-15     .000000   -4.76E-15 -199.562506
0.50000  -48.686146  -66.083335   -1.53E-15     .000000   -9.42E-15 -398.250013
0.75000  -48.686146  -65.791669   -1.50E-15     .000000   -1.40E-14 -596.062519
1.00000  -48.686146  -65.500002   -1.50E-15     .000000   -1.84E-14 -793.000025

ELEM     155 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  529.245443   59.500042    1.51E-15     .000000    2.79E-14    1313.430
0.25000  529.245443   58.916709    1.44E-15     .000000    3.68E-14    1668.680
0.50000  529.245443   58.333375    1.37E-15     .000000    4.52E-14    2020.431
0.75000  529.245443   57.750042    1.37E-15     .000000    5.32E-14    2368.681
1.00000  529.245443   57.166709    1.44E-15     .000000    6.07E-14    2713.431

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -529.245443  -59.500042   -1.51E-15     .000000   -2.79E-14   -1313.430
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```
0.25000 -529.245443  -58.916709   -1.44E-15     .000000   -3.68E-14   -1668.680
0.50000 -529.245443  -58.333375   -1.37E-15     .000000   -4.52E-14   -2020.431
0.75000 -529.245443  -57.750042   -1.37E-15     .000000   -5.32E-14   -2368.681
1.00000 -529.245443  -57.166709   -1.44E-15     .000000   -6.07E-14   -2713.431

ELEM     156 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  218.667026   15.166670    6.27E-16     .000000    1.65E-14  728.000039
0.25000  218.667026   14.000003    4.85E-16     .000000    1.27E-14  567.000031
0.50000  218.667026   15.166667    3.44E-16     .000000    1.01E-14  392.000022
0.75000  218.667026   16.333334    4.22E-16     .000000    5.91E-15  203.000012
1.00000  218.667026   17.500001    5.63E-16     .000000    6.46E-30    1.91E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -218.667026  -15.166670   -6.27E-16     .000000   -1.65E-14 -728.000039
0.25000 -218.667026  -14.000003   -4.85E-16     .000000   -1.27E-14 -567.000031
0.50000 -218.667026  -15.166667   -3.44E-16     .000000   -1.01E-14 -392.000022
0.75000 -218.667026  -16.333334   -4.22E-16     .000000   -5.91E-15 -203.000012
1.00000 -218.667026  -17.500001   -5.63E-16     .000000   -6.46E-30   -1.91E-13

ELEM     157 ================== LENGTH =   26.537200

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  108.038530   68.909281    1.67E-15     .000000    4.11E-14    1862.892
0.25000  108.038530   69.554282    1.59E-15     .000000    3.16E-14    1403.588
0.50000  108.038530   70.199283    1.55E-15     .000000    2.16E-14  940.004478
0.75000  108.038530   70.844285    1.63E-15     .000000    1.10E-14  472.141805
1.00000  108.038530   71.489286    1.70E-15     .000000    3.60E-30    3.15E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -108.038530  -68.909281   -1.67E-15     .000000   -4.11E-14   -1862.892
0.25000 -108.038530  -69.554282   -1.59E-15     .000000   -3.16E-14   -1403.588
0.50000 -108.038530  -70.199283   -1.55E-15     .000000   -2.16E-14 -940.004478
0.75000 -108.038530  -70.844285   -1.63E-15     .000000   -1.10E-14 -472.141805
1.00000 -108.038530  -71.489286   -1.70E-15     .000000   -3.60E-30   -3.15E-13

ELEM     158 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   48.686146   26.500002    7.35E-16     .000000    1.68E-14  792.996461
0.25000   48.686146   25.916669    6.64E-16     .000000    2.10E-14  950.246456
0.50000   48.686146   25.333335    5.94E-16     .000000    2.48E-14    1103.996
0.75000   48.686146   24.750002    6.10E-16     .000000    2.81E-14    1254.246
1.00000   48.686146   24.166669    6.80E-16     .000000    3.11E-14    1400.996

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -48.686146  -26.500002   -7.35E-16     .000000   -1.68E-14 -792.996461
0.25000  -48.686146  -25.916669   -6.64E-16     .000000   -2.10E-14 -950.246456
0.50000  -48.686146  -25.333335   -5.94E-16     .000000   -2.48E-14   -1103.996
0.75000  -48.686146  -24.750002   -6.10E-16     .000000   -2.81E-14   -1254.246
```

```
1.00000  -48.686146  -24.166669   -6.80E-16     .000000   -3.11E-14   -1400.996

ELEM     161 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  162.207110    5.500000    6.66E-16     .000000     .000000     .000000
0.25000  162.207110    2.750000    3.33E-16     .000000    8.99E-15   74.250006
0.50000  162.207110    3.55E-15     .000000     .000000    1.20E-14   99.000008
0.75000  162.207110    2.750000    3.33E-16     .000000    8.99E-15   74.250006
1.00000  162.207110    5.500000    6.66E-16     .000000    3.94E-31    2.45E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -162.207110   -5.500000   -6.66E-16     .000000     .000000     .000000
0.25000 -162.207110   -2.750000   -3.33E-16     .000000   -8.99E-15  -74.250006
0.50000 -162.207110   -3.55E-15     .000000     .000000   -1.20E-14  -99.000008
0.75000 -162.207110   -2.750000   -3.33E-16     .000000   -8.99E-15  -74.250006
1.00000 -162.207110   -5.500000   -6.66E-16     .000000   -3.94E-31   -2.45E-13

ELEM     162 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  529.245443   29.416644    8.03E-16     .000000    6.03E-14    2713.430
0.25000  529.245443   29.416642    7.33E-16     .000000    5.67E-14    2538.680
0.50000  529.245443   29.999975    7.03E-16     .000000    5.27E-14    2360.430
0.75000  529.245443   30.583309    7.74E-16     .000000    4.83E-14    2178.680
1.00000  529.245443   31.166642    8.44E-16     .000000    4.35E-14    1993.431

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -529.245443  -29.416644   -8.03E-16     .000000   -6.03E-14   -2713.430
0.25000 -529.245443  -29.416642   -7.33E-16     .000000   -5.67E-14   -2538.680
0.50000 -529.245443  -29.999975   -7.03E-16     .000000   -5.27E-14   -2360.430
0.75000 -529.245443  -30.583309   -7.74E-16     .000000   -4.83E-14   -2178.680
1.00000 -529.245443  -31.166642   -8.44E-16     .000000   -4.35E-14   -1993.431

ELEM     163 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   48.686146   21.833334    6.26E-16     .000000    3.10E-14    1400.996
0.25000   48.686146   22.416668    5.55E-16     .000000    2.84E-14    1268.246
0.50000   48.686146   23.000001    5.39E-16     .000000    2.54E-14    1131.996
0.75000   48.686146   23.583334    6.10E-16     .000000    2.20E-14  992.246431
1.00000   48.686146   24.166668    6.80E-16     .000000    1.81E-14  848.996442

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -48.686146  -21.833334   -6.26E-16     .000000   -3.10E-14   -1400.996
0.25000  -48.686146  -22.416668   -5.55E-16     .000000   -2.84E-14   -1268.246
0.50000  -48.686146  -23.000001   -5.39E-16     .000000   -2.54E-14   -1131.996
0.75000  -48.686146  -23.583334   -6.10E-16     .000000   -2.20E-14 -992.246431
1.00000  -48.686146  -24.166668   -6.80E-16     .000000   -1.81E-14 -848.996442

ELEM     164 ================== LENGTH =   14.462800
```

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	108.038530	116.104640	2.67E-15	.000000	3.87E-14	1689.366
0.25000	108.038530	116.456166	2.63E-15	.000000	2.93E-14	1268.931
0.50000	108.038530	116.807692	2.68E-15	.000000	1.97E-14	847.225175
0.75000	108.038530	117.159219	2.72E-15	.000000	9.91E-15	424.248094
1.00000	108.038530	117.510745	2.76E-15	.000000	1.68E-29	1.27E-12

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-108.038530	-116.104640	-2.67E-15	.000000	-3.87E-14	-1689.366
0.25000	-108.038530	-116.456166	-2.63E-15	.000000	-2.93E-14	-1268.931
0.50000	-108.038530	-116.807692	-2.68E-15	.000000	-1.97E-14	-847.225175
0.75000	-108.038530	-117.159219	-2.72E-15	.000000	-9.91E-15	-424.248094
1.00000	-108.038530	-117.510745	-2.76E-15	.000000	-1.68E-29	-1.27E-12

ELEM 165 ========== LENGTH = 15.487600

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	90.483581	120.649669	2.77E-15	.000000	4.29E-14	1880.234
0.25000	90.483581	121.026104	2.73E-15	.000000	3.24E-14	1412.362
0.50000	90.483581	121.402539	2.77E-15	.000000	2.18E-14	943.032017
0.75000	90.483581	121.778974	2.81E-15	.000000	1.10E-14	472.244767
1.00000	90.483581	122.155408	2.86E-15	.000000	4.53E-29	2.57E-12

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-90.483581	-120.649669	-2.77E-15	.000000	-4.29E-14	-1880.234
0.25000	-90.483581	-121.026104	-2.73E-15	.000000	-3.24E-14	-1412.362
0.50000	-90.483581	-121.402539	-2.77E-15	.000000	-2.18E-14	-943.032017
0.75000	-90.483581	-121.778974	-2.81E-15	.000000	-1.10E-14	-472.244767
1.00000	-90.483581	-122.155408	-2.86E-15	.000000	-4.53E-29	-2.57E-12

ELEM 166 ========== LENGTH = 15.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	529.245443	132.166642	3.04E-15	.000000	4.56E-14	1993.437
0.25000	529.245443	132.531226	3.00E-15	.000000	3.44E-14	1497.129
0.50000	529.245443	132.895809	3.04E-15	.000000	2.31E-14	999.452942
0.75000	529.245443	133.260392	3.08E-15	.000000	1.16E-14	500.410065
1.00000	529.245443	133.624976	3.13E-15	.000000	3.84E-29	4.02E-12

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-529.245443	-132.166642	-3.04E-15	.000000	-4.56E-14	-1993.437
0.25000	-529.245443	-132.531226	-3.00E-15	.000000	-3.44E-14	-1497.129
0.50000	-529.245443	-132.895809	-3.04E-15	.000000	-2.31E-14	-999.452942
0.75000	-529.245443	-133.260392	-3.08E-15	.000000	-1.16E-14	-500.410065
1.00000	-529.245443	-133.624976	-3.13E-15	.000000	-3.84E-29	-4.02E-12

ELEM 167 ========== LENGTH = 12.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	48.686146	70.166668	1.61E-15	.000000	1.97E-14	849.000014
0.25000	48.686146	70.458335	1.61E-15	.000000	1.50E-14	638.062511
0.50000	48.686146	70.750001	1.64E-15	.000000	1.01E-14	426.250007
0.75000	48.686146	71.041668	1.68E-15	.000000	5.09E-15	213.562504
1.00000	48.686146	71.333335	1.71E-15	.000000	9.27E-30	7.96E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-48.686146	-70.166668	-1.61E-15	.000000	-1.97E-14	-849.000014
0.25000	-48.686146	-70.458335	-1.61E-15	.000000	-1.50E-14	-638.062511
0.50000	-48.686146	-70.750001	-1.64E-15	.000000	-1.01E-14	-426.250007
0.75000	-48.686146	-71.041668	-1.68E-15	.000000	-5.09E-15	-213.562504
1.00000	-48.686146	-71.333335	-1.71E-15	.000000	-9.27E-30	-7.96E-13

ELEM 168 ========== LENGTH = 15.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	6078.541	.000000	.000000	.000000	.000000	.000000
0.50000	6076.755	.000000	.000000	.000000	.000000	.000000
1.00000	6074.968	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-6078.541	.000000	.000000	.000000	.000000	.000000
0.50000	-6076.755	.000000	.000000	.000000	.000000	.000000
1.00000	-6074.968	.000000	.000000	.000000	.000000	.000000

ELEM 169 ========== LENGTH = 32.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	5821.266	6.412830	.000000	.000000	.000000	.000000
0.50000	5817.551	6.412830	.000000	.000000	.000000	105.010092
1.00000	5813.836	6.412830	.000000	.000000	.000000	210.020183

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-5821.266	-6.412830	.000000	.000000	.000000	.000000
0.50000	-5817.551	-6.412830	.000000	.000000	.000000	-105.010092
1.00000	-5813.836	-6.412830	.000000	.000000	.000000	-210.020183

ELEM 170 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	5709.336	4.375422	.000000	.000000	.000000	210.020243
0.50000	5703.892	4.375422	.000000	.000000	.000000	105.010122
1.00000	5698.447	4.375422	.000000	.000000	.000000	1.42E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-5709.336	-4.375422	.000000	.000000	.000000	-210.020243
0.50000	-5703.892	-4.375422	.000000	.000000	.000000	-105.010122
1.00000	-5698.447	-4.375422	.000000	.000000	.000000	-1.42E-13

```
ELEM     171 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    5276.156     .000000     .000000     .000000     .000000     .000000
0.50000    5270.711     .000000     .000000     .000000     .000000     .000000
1.00000    5265.267     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -5276.156     .000000     .000000     .000000     .000000     .000000
0.50000   -5270.711     .000000     .000000     .000000     .000000     .000000
1.00000   -5265.267     .000000     .000000     .000000     .000000     .000000

ELEM     172 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    4830.633     .000000     .000000     .000000     .000000     .000000
0.50000    4825.189     .000000     .000000     .000000     .000000     .000000
1.00000    4819.744     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -4830.633     .000000     .000000     .000000     .000000     .000000
0.50000   -4825.189     .000000     .000000     .000000     .000000     .000000
1.00000   -4819.744     .000000     .000000     .000000     .000000     .000000

ELEM     173 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    4391.308     .000000     .000000     .000000     .000000     .000000
0.50000    4385.863     .000000     .000000     .000000     .000000     .000000
1.00000    4380.419     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -4391.308     .000000     .000000     .000000     .000000     .000000
0.50000   -4385.863     .000000     .000000     .000000     .000000     .000000
1.00000   -4380.419     .000000     .000000     .000000     .000000     .000000

ELEM     174 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    4252.819     .000000     .000000     .000000     .000000     .000000
0.50000    4247.375     .000000     .000000     .000000     .000000     .000000
1.00000    4241.930     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -4252.819     .000000     .000000     .000000     .000000     .000000
0.50000   -4247.375     .000000     .000000     .000000     .000000     .000000
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1.00000   -4241.930     .000000     .000000     .000000     .000000     .000000

ELEM     175 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3812.268     .000000     .000000     .000000     .000000     .000000
0.50000    3806.823     .000000     .000000     .000000     .000000     .000000
1.00000    3801.379     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3812.268     .000000     .000000     .000000     .000000     .000000
0.50000   -3806.823     .000000     .000000     .000000     .000000     .000000
1.00000   -3801.379     .000000     .000000     .000000     .000000     .000000

ELEM     176 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3673.454     .000000     .000000     .000000     .000000     .000000
0.50000    3668.009     .000000     .000000     .000000     .000000     .000000
1.00000    3662.565     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3673.454     .000000     .000000     .000000     .000000     .000000
0.50000   -3668.009     .000000     .000000     .000000     .000000     .000000
1.00000   -3662.565     .000000     .000000     .000000     .000000     .000000

ELEM     177 ================== LENGTH =   34.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3452.978     .000000     .000000     .000000     .000000     .000000
0.50000    3449.072     .000000     .000000     .000000     .000000     .000000
1.00000    3445.166     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3452.978     .000000     .000000     .000000     .000000     .000000
0.50000   -3449.072     .000000     .000000     .000000     .000000     .000000
1.00000   -3445.166     .000000     .000000     .000000     .000000     .000000

ELEM     178 ================== LENGTH =   88.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1016.091     .000000     .000000     .000000     .000000     .000000
0.50000    1006.045     .000000     .000000     .000000     .000000     .000000
1.00000  996.000001     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1016.091     .000000     .000000     .000000     .000000     .000000
```

```
0.50000   -1006.045     .000000     .000000     .000000     .000000     .000000
1.00000 -996.000001     .000000     .000000     .000000     .000000     .000000

ELEM     179 ================== LENGTH =    9.537200

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  108.038530  192.151754    4.67E-15     .000000     .000000     .000000
0.25000  108.038530  191.919947    4.64E-15     .000000    1.11E-14  457.871079
0.50000  108.038530  191.688140    4.61E-15     .000000    2.21E-14  915.189460
0.75000  108.038530  191.456333    4.58E-15     .000000    3.31E-14    1371.955
1.00000  108.038530  191.224526    4.56E-15     .000000    4.40E-14    1828.168

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -108.038530 -192.151754   -4.67E-15     .000000     .000000     .000000
0.25000 -108.038530 -191.919947   -4.64E-15     .000000   -1.11E-14 -457.871079
0.50000 -108.038530 -191.688140   -4.61E-15     .000000   -2.21E-14 -915.189460
0.75000 -108.038530 -191.456333   -4.58E-15     .000000   -3.31E-14   -1371.955
1.00000 -108.038530 -191.224526   -4.56E-15     .000000   -4.40E-14   -1828.168

ELEM     180 ================== LENGTH =    8.512400

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   90.483581  186.281268    4.61E-15     .000000     .000000     .000000
0.25000   90.483581  186.074370    4.58E-15     .000000    9.78E-15  396.205017
0.50000   90.483581  185.867471    4.56E-15     .000000    1.95E-14  791.969733
0.75000   90.483581  185.660572    4.53E-15     .000000    2.92E-14    1187.294
1.00000   90.483581  185.453674    4.51E-15     .000000    3.88E-14    1582.178

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -90.483581 -186.281268   -4.61E-15     .000000     .000000     .000000
0.25000  -90.483581 -186.074370   -4.58E-15     .000000   -9.78E-15 -396.205017
0.50000  -90.483581 -185.867471   -4.56E-15     .000000   -1.95E-14 -791.969733
0.75000  -90.483581 -185.660572   -4.53E-15     .000000   -2.92E-14   -1187.294
1.00000  -90.483581 -185.453674   -4.51E-15     .000000   -3.88E-14   -1582.178

ELEM     181 ================== LENGTH =   17.539000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  315.062571   86.447244    9.46E-16     .000000     .000000     .000000
0.25000  315.062571   85.777352    8.65E-16     .000000    3.97E-15  377.580900
0.50000  315.062571   85.107460    7.83E-16     .000000    7.58E-15  752.224489
0.75000  315.062571   84.437567    8.59E-16     .000000    1.08E-14    1123.931
1.00000  315.062571   83.767675    9.40E-16     .000000    1.37E-14    1492.700

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -315.062571  -86.447244   -9.46E-16     .000000     .000000     .000000
0.25000 -315.062571  -85.777352   -8.65E-16     .000000   -3.97E-15 -377.580900
0.50000 -315.062571  -85.107460   -7.83E-16     .000000   -7.58E-15 -752.224489
0.75000 -315.062571  -84.437567   -8.59E-16     .000000   -1.08E-14   -1123.931
1.00000 -315.062571  -83.767675   -9.40E-16     .000000   -1.37E-14   -1492.700
```

ELEM 182 ========== LENGTH = 9.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	533.154841	168.666709	4.14E-15	.000000	.000000	.000000
0.25000	533.154841	168.447959	4.11E-15	.000000	9.28E-15	379.254002
0.50000	533.154841	168.229209	4.08E-15	.000000	1.85E-14	758.015816
0.75000	533.154841	168.010459	4.06E-15	.000000	2.77E-14	1136.285
1.00000	533.154841	167.791709	4.03E-15	.000000	3.68E-14	1514.063

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-533.154841	-168.666709	-4.14E-15	.000000	.000000	.000000
0.25000	-533.154841	-168.447959	-4.11E-15	.000000	-9.28E-15	-379.254002
0.50000	-533.154841	-168.229209	-4.08E-15	.000000	-1.85E-14	-758.015816
0.75000	-533.154841	-168.010459	-4.06E-15	.000000	-2.77E-14	-1136.285
1.00000	-533.154841	-167.791709	-4.03E-15	.000000	-3.68E-14	-1514.063

ELEM 183 ========== LENGTH = 12.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	64.943958	63.166699	1.52E-15	.000000	.000000	.000000
0.25000	64.943958	62.875033	1.49E-15	.000000	4.52E-15	189.062598
0.50000	64.943958	62.583366	1.45E-15	.000000	8.93E-15	377.250197
0.75000	64.943958	62.291699	1.42E-15	.000000	1.32E-14	564.562795
1.00000	64.943958	62.000033	1.41E-15	.000000	1.74E-14	751.000393

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-64.943958	-63.166699	-1.52E-15	.000000	.000000	.000000
0.25000	-64.943958	-62.875033	-1.49E-15	.000000	-4.52E-15	-189.062598
0.50000	-64.943958	-62.583366	-1.45E-15	.000000	-8.93E-15	-377.250197
0.75000	-64.943958	-62.291699	-1.42E-15	.000000	-1.32E-14	-564.562795
1.00000	-64.943958	-62.000033	-1.41E-15	.000000	-1.74E-14	-751.000393

ELEM 184 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	108.038530	82.224526	2.04E-15	.000000	3.90E-14	1828.158
0.25000	108.038530	81.641193	1.97E-15	.000000	5.11E-14	2319.755
0.50000	108.038530	81.057860	1.90E-15	.000000	6.27E-14	2807.852
0.75000	108.038530	80.474526	1.90E-15	.000000	7.39E-14	3292.449
1.00000	108.038530	79.891193	1.97E-15	.000000	8.46E-14	3773.546

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-108.038530	-82.224526	-2.04E-15	.000000	-3.90E-14	-1828.158
0.25000	-108.038530	-81.641193	-1.97E-15	.000000	-5.11E-14	-2319.755
0.50000	-108.038530	-81.057860	-1.90E-15	.000000	-6.27E-14	-2807.852
0.75000	-108.038530	-80.474526	-1.90E-15	.000000	-7.39E-14	-3292.449
1.00000	-108.038530	-79.891193	-1.97E-15	.000000	-8.46E-14	-3773.546

ELEM 185 ========== LENGTH = 39.905978

COMBDEADLOAD ---------- MAX

```
REL DIST          P          V2          V3           T          M2          M3
0.00000  332.035322    4.083334    4.95E-16     .000000     .000000     .000000
0.50000  330.082264    9.33E-16    1.07E-31     .000000    4.93E-15   40.737356
1.00000  328.129205    4.083334    4.95E-16     .000000    5.23E-30    4.67E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -332.035322   -4.083334   -4.95E-16     .000000     .000000     .000000
0.50000 -330.082264   -9.33E-16   -1.07E-31     .000000   -4.93E-15  -40.737356
1.00000 -328.129205   -4.083334   -4.95E-16     .000000   -5.23E-30   -4.67E-14

ELEM     186 ================== LENGTH =   39.905935

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  351.199336    4.083334    4.95E-16     .000000     .000000     .000000
0.50000  349.246289    1.20E-15    1.23E-31     .000000    4.93E-15   40.737312
1.00000  347.293242    4.083334    4.95E-16     .000000    5.13E-30    3.77E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -351.199336   -4.083334   -4.95E-16     .000000     .000000     .000000
0.50000 -349.246289   -1.20E-15   -1.23E-31     .000000   -4.93E-15  -40.737312
1.00000 -347.293242   -4.083334   -4.95E-16     .000000   -5.13E-30   -3.77E-14

ELEM     187 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   90.483581   76.453674    1.91E-15     .000000    3.37E-14    1582.169
0.25000   90.483581   75.870340    1.83E-15     .000000    4.49E-14    2039.141
0.50000   90.483581   75.287007    1.76E-15     .000000    5.57E-14    2492.613
0.75000   90.483581   74.703674    1.76E-15     .000000    6.61E-14    2942.584
1.00000   90.483581   74.120340    1.84E-15     .000000    7.60E-14    3389.056

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -90.483581  -76.453674   -1.91E-15     .000000   -3.37E-14   -1582.169
0.25000  -90.483581  -75.870340   -1.83E-15     .000000   -4.49E-14   -2039.141
0.50000  -90.483581  -75.287007   -1.76E-15     .000000   -5.57E-14   -2492.613
0.75000  -90.483581  -74.703674   -1.76E-15     .000000   -6.61E-14   -2942.584
1.00000  -90.483581  -74.120340   -1.84E-15     .000000   -7.60E-14   -3389.056

ELEM     188 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  315.062571   20.767675    4.18E-16     .000000    1.27E-14    1492.698
0.25000  315.062571   19.851008    3.07E-16     .000000    1.45E-14    1614.554
0.50000  315.062571   18.934341    1.96E-16     .000000    1.60E-14    1730.910
0.75000  315.062571   18.017675    2.87E-16     .000000    1.68E-14    1841.766
1.00000  315.062571   18.793481    3.98E-16     .000000    1.70E-14    1947.122

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
```

0.00000	-315.062571	-20.767675	-4.18E-16	.000000	-1.27E-14	-1492.698
0.25000	-315.062571	-19.851008	-3.07E-16	.000000	-1.45E-14	-1614.554
0.50000	-315.062571	-18.934341	-1.96E-16	.000000	-1.60E-14	-1730.910
0.75000	-315.062571	-18.017675	-2.87E-16	.000000	-1.68E-14	-1841.766
1.00000	-315.062571	-18.793481	-3.98E-16	.000000	-1.70E-14	-1947.122

ELEM 189 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	533.154841	66.791709	1.68E-15	.000000	3.23E-14	1514.055
0.25000	533.154841	66.208376	1.61E-15	.000000	4.21E-14	1913.055
0.50000	533.154841	65.625042	1.54E-15	.000000	5.16E-14	2308.555
0.75000	533.154841	65.041709	1.54E-15	.000000	6.06E-14	2700.555
1.00000	533.154841	64.458376	1.61E-15	.000000	6.92E-14	3089.055

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-533.154841	-66.791709	-1.68E-15	.000000	-3.23E-14	-1514.055
0.25000	-533.154841	-66.208376	-1.61E-15	.000000	-4.21E-14	-1913.055
0.50000	-533.154841	-65.625042	-1.54E-15	.000000	-5.16E-14	-2308.555
0.75000	-533.154841	-65.041709	-1.54E-15	.000000	-6.06E-14	-2700.555
1.00000	-533.154841	-64.458376	-1.61E-15	.000000	-6.92E-14	-3089.055

ELEM 190 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	64.943958	9.000033	3.25E-16	.000000	1.61E-14	750.997924
0.25000	64.943958	8.416699	2.54E-16	.000000	1.79E-14	803.248105
0.50000	64.943958	7.833366	1.84E-16	.000000	1.92E-14	851.998286
0.75000	64.943958	7.250033	2.00E-16	.000000	2.01E-14	897.248466
1.00000	64.943958	6.666699	2.70E-16	.000000	2.05E-14	938.998646

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-64.943958	-9.000033	-3.25E-16	.000000	-1.61E-14	-750.997924
0.25000	-64.943958	-8.416699	-2.54E-16	.000000	-1.79E-14	-803.248105
0.50000	-64.943958	-7.833366	-1.84E-16	.000000	-1.92E-14	-851.998286
0.75000	-64.943958	-7.250033	-2.00E-16	.000000	-2.01E-14	-897.248466
1.00000	-64.943958	-6.666699	-2.70E-16	.000000	-2.05E-14	-938.998646

ELEM 191 ========== LENGTH = 79.098436

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	133.469907	3.500000	4.24E-16	.000000	.000000	.000000
0.50000	131.877893	1.08E-15	2.15E-31	.000000	8.38E-15	69.211137
1.00000	130.285879	3.500000	4.24E-16	.000000	1.77E-29	9.40E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-133.469907	-3.500000	-4.24E-16	.000000	.000000	.000000
0.50000	-131.877893	-1.08E-15	-2.15E-31	.000000	-8.38E-15	-69.211137
1.00000	-130.285879	-3.500000	-4.24E-16	.000000	-1.77E-29	-9.40E-14

ELEM 193 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	10.788252	3.500000	4.24E-16	.000000	.000000	.000000
0.25000	10.788252	1.750000	2.12E-16	.000000	5.72E-15	47.250004
0.50000	10.788252	2.11E-15	1.08E-31	.000000	7.63E-15	63.000005
0.75000	10.788252	1.750000	2.12E-16	.000000	5.72E-15	47.250004
1.00000	10.788252	3.500000	4.24E-16	.000000	8.19E-30	1.55E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-10.788252	-3.500000	-4.24E-16	.000000	.000000	.000000
0.25000	-10.788252	-1.750000	-2.12E-16	.000000	-5.72E-15	-47.250004
0.50000	-10.788252	-2.11E-15	-1.08E-31	.000000	-7.63E-15	-63.000005
0.75000	-10.788252	-1.750000	-2.12E-16	.000000	-5.72E-15	-47.250004
1.00000	-10.788252	-3.500000	-4.24E-16	.000000	-8.19E-30	-1.55E-13

ELEM 194 ========== LENGTH = 86.533231

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	692.282418	3.500000	4.24E-16	.000000	.000000	.000000
0.50000	689.949085	1.30E-18	2.19E-31	.000000	9.17E-15	75.716583
1.00000	687.615751	3.500000	4.24E-16	.000000	1.87E-29	4.70E-15

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-692.282418	-3.500000	-4.24E-16	.000000	.000000	.000000
0.50000	-689.949085	-1.30E-18	-2.19E-31	.000000	-9.17E-15	-75.716583
1.00000	-687.615751	-3.500000	-4.24E-16	.000000	-1.87E-29	-4.70E-15

ELEM 195 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	574.072339	3.500000	4.24E-16	.000000	.000000	.000000
0.25000	574.072339	1.750000	2.12E-16	.000000	5.72E-15	47.250004
0.50000	574.072339	2.11E-15	1.08E-31	.000000	7.63E-15	63.000005
0.75000	574.072339	1.750000	2.12E-16	.000000	5.72E-15	47.250004
1.00000	574.072339	3.500000	4.24E-16	.000000	8.19E-30	1.55E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-574.072339	-3.500000	-4.24E-16	.000000	.000000	.000000
0.25000	-574.072339	-1.750000	-2.12E-16	.000000	-5.72E-15	-47.250004
0.50000	-574.072339	-2.11E-15	-1.08E-31	.000000	-7.63E-15	-63.000005
0.75000	-574.072339	-1.750000	-2.12E-16	.000000	-5.72E-15	-47.250004
1.00000	-574.072339	-3.500000	-4.24E-16	.000000	-8.19E-30	-1.55E-13

ELEM 196 ========== LENGTH = 86.533231

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	46.022943	3.500000	4.24E-16	.000000	.000000	.000000
0.50000	48.356276	1.30E-18	2.19E-31	.000000	9.17E-15	75.716583
1.00000	50.689610	3.500000	4.24E-16	.000000	1.87E-29	4.70E-15

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-46.022943	-3.500000	-4.24E-16	.000000	.000000	.000000
0.50000	-48.356276	-1.30E-18	-2.19E-31	.000000	-9.17E-15	-75.716583
1.00000	-50.689610	-3.500000	-4.24E-16	.000000	-1.87E-29	-4.70E-15

ELEM 197 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	40.234854	3.500000	4.24E-16	.000000	.000000	.000000
0.25000	40.234854	1.750000	2.12E-16	.000000	5.72E-15	47.250004
0.50000	40.234854	2.11E-15	1.08E-31	.000000	7.63E-15	63.000005
0.75000	40.234854	1.750000	2.12E-16	.000000	5.72E-15	47.250004
1.00000	40.234854	3.500000	4.24E-16	.000000	8.19E-30	1.55E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-40.234854	-3.500000	-4.24E-16	.000000	.000000	.000000
0.25000	-40.234854	-1.750000	-2.12E-16	.000000	-5.72E-15	-47.250004
0.50000	-40.234854	-2.11E-15	-1.08E-31	.000000	-7.63E-15	-63.000005
0.75000	-40.234854	-1.750000	-2.12E-16	.000000	-5.72E-15	-47.250004
1.00000	-40.234854	-3.500000	-4.24E-16	.000000	-8.19E-30	-1.55E-13

ELEM 198 ========== LENGTH = 86.533231

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	46.788963	3.500000	4.24E-16	.000000	.000000	.000000
0.50000	49.122296	1.30E-18	2.19E-31	.000000	9.17E-15	75.716583
1.00000	51.455630	3.500000	4.24E-16	.000000	1.87E-29	4.70E-15

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-46.788963	-3.500000	-4.24E-16	.000000	.000000	.000000
0.50000	-49.122296	-1.30E-18	-2.19E-31	.000000	-9.17E-15	-75.716583
1.00000	-51.455630	-3.500000	-4.24E-16	.000000	-1.87E-29	-4.70E-15

ELEM 199 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	40.872221	3.500000	4.24E-16	.000000	.000000	.000000
0.25000	40.872221	1.750000	2.12E-16	.000000	5.72E-15	47.250004
0.50000	40.872221	2.11E-15	1.08E-31	.000000	7.63E-15	63.000005
0.75000	40.872221	1.750000	2.12E-16	.000000	5.72E-15	47.250004
1.00000	40.872221	3.500000	4.24E-16	.000000	8.19E-30	1.55E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-40.872221	-3.500000	-4.24E-16	.000000	.000000	.000000
0.25000	-40.872221	-1.750000	-2.12E-16	.000000	-5.72E-15	-47.250004
0.50000	-40.872221	-2.11E-15	-1.08E-31	.000000	-7.63E-15	-63.000005
0.75000	-40.872221	-1.750000	-2.12E-16	.000000	-5.72E-15	-47.250004
1.00000	-40.872221	-3.500000	-4.24E-16	.000000	-8.19E-30	-1.55E-13

ELEM 200 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	351.523643	3.500000	4.24E-16	.000000	.000000	.000000
0.25000	351.523643	1.750000	2.12E-16	.000000	5.72E-15	47.250004
0.50000	351.523643	2.11E-15	1.08E-31	.000000	7.63E-15	63.000005
0.75000	351.523643	1.750000	2.12E-16	.000000	5.72E-15	47.250004
1.00000	351.523643	3.500000	4.24E-16	.000000	8.19E-30	1.55E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-351.523643	-3.500000	-4.24E-16	.000000	.000000	.000000
0.25000	-351.523643	-1.750000	-2.12E-16	.000000	-5.72E-15	-47.250004
0.50000	-351.523643	-2.11E-15	-1.08E-31	.000000	-7.63E-15	-63.000005
0.75000	-351.523643	-1.750000	-2.12E-16	.000000	-5.72E-15	-47.250004
1.00000	-351.523643	-3.500000	-4.24E-16	.000000	-8.19E-30	-1.55E-13

ELEM 201 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	162.207110	5.500000	6.66E-16	.000000	.000000	.000000
0.25000	162.207110	2.750000	3.33E-16	.000000	8.99E-15	74.250006
0.50000	162.207110	3.55E-15	.000000	.000000	1.20E-14	99.000008
0.75000	162.207110	2.750000	3.33E-16	.000000	8.99E-15	74.250006
1.00000	162.207110	5.500000	6.66E-16	.000000	3.94E-31	2.45E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-162.207110	-5.500000	-6.66E-16	.000000	.000000	.000000
0.25000	-162.207110	-2.750000	-3.33E-16	.000000	-8.99E-15	-74.250006
0.50000	-162.207110	-3.55E-15	.000000	.000000	-1.20E-14	-99.000008
0.75000	-162.207110	-2.750000	-3.33E-16	.000000	-8.99E-15	-74.250006
1.00000	-162.207110	-5.500000	-6.66E-16	.000000	-3.94E-31	-2.45E-13

ELEM 202 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	108.038530	48.587739	1.25E-15	.000000	8.42E-14	3773.545
0.25000	108.038530	48.692194	1.18E-15	.000000	7.79E-14	3483.142
0.50000	108.038530	49.275527	1.15E-15	.000000	7.12E-14	3189.239
0.75000	108.038530	49.858861	1.23E-15	.000000	6.40E-14	2891.836
1.00000	108.038530	50.442194	1.30E-15	.000000	5.65E-14	2590.933

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-108.038530	-48.587739	-1.25E-15	.000000	-8.42E-14	-3773.545
0.25000	-108.038530	-48.692194	-1.18E-15	.000000	-7.79E-14	-3483.142
0.50000	-108.038530	-49.275527	-1.15E-15	.000000	-7.12E-14	-3189.239
0.75000	-108.038530	-49.858861	-1.23E-15	.000000	-6.40E-14	-2891.836
1.00000	-108.038530	-50.442194	-1.30E-15	.000000	-5.65E-14	-2590.933

ELEM 203 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	90.483581	35.557846	9.47E-16	.000000	7.54E-14	3389.055
0.25000	90.483581	35.463033	8.77E-16	.000000	7.10E-14	3178.027
0.50000	90.483581	36.046367	8.45E-16	.000000	6.62E-14	2963.499
0.75000	90.483581	36.629700	9.15E-16	.000000	6.09E-14	2745.471
1.00000	90.483581	37.213033	9.86E-16	.000000	5.52E-14	2523.943

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-90.483581	-35.557846	-9.47E-16	.000000	-7.54E-14	-3389.055
0.25000	-90.483581	-35.463033	-8.77E-16	.000000	-7.10E-14	-3178.027
0.50000	-90.483581	-36.046367	-8.45E-16	.000000	-6.62E-14	-2963.499
0.75000	-90.483581	-36.629700	-9.15E-16	.000000	-6.09E-14	-2745.471
1.00000	-90.483581	-37.213033	-9.86E-16	.000000	-5.52E-14	-2523.943

ELEM 204 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	315.062571	45.899058	6.61E-16	.000000	1.75E-14	1947.122
0.25000	315.062571	46.815724	5.50E-16	.000000	1.55E-14	1668.978
0.50000	315.062571	47.732391	4.94E-16	.000000	1.29E-14	1385.334
0.75000	315.062571	48.649058	6.05E-16	.000000	9.59E-15	1096.190
1.00000	315.062571	49.565725	7.16E-16	.000000	6.77E-15	801.545830

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-315.062571	-45.899058	-6.61E-16	.000000	-1.75E-14	-1947.122
0.25000	-315.062571	-46.815724	-5.50E-16	.000000	-1.55E-14	-1668.978
0.50000	-315.062571	-47.732391	-4.94E-16	.000000	-1.29E-14	-1385.334
0.75000	-315.062571	-48.649058	-6.05E-16	.000000	-9.59E-15	-1096.190
1.00000	-315.062571	-49.565725	-7.16E-16	.000000	-6.77E-15	-801.545830

ELEM 205 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	533.154841	52.124981	1.34E-15	.000000	6.90E-14	3089.055
0.25000	533.154841	52.124980	1.26E-15	.000000	6.22E-14	2778.055
0.50000	533.154841	52.708314	1.24E-15	.000000	5.50E-14	2463.555
0.75000	533.154841	53.291647	1.31E-15	.000000	4.74E-14	2145.555
1.00000	533.154841	53.874980	1.38E-15	.000000	3.94E-14	1824.055

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-533.154841	-52.124981	-1.34E-15	.000000	-6.90E-14	-3089.055
0.25000	-533.154841	-52.124980	-1.26E-15	.000000	-6.22E-14	-2778.055
0.50000	-533.154841	-52.708314	-1.24E-15	.000000	-5.50E-14	-2463.555
0.75000	-533.154841	-53.291647	-1.31E-15	.000000	-4.74E-14	-2145.555
1.00000	-533.154841	-53.874980	-1.38E-15	.000000	-3.94E-14	-1824.055

ELEM 206 ========== LENGTH = 39.905978

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3

```
0.00000  352.633868    4.083334    4.95E-16     .000000     .000000     .000000
0.50000  354.586926    9.33E-16    1.07E-31     .000000    4.93E-15   40.737356
1.00000  356.539985    4.083334    4.95E-16     .000000    5.23E-30    4.67E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -352.633868   -4.083334   -4.95E-16     .000000     .000000     .000000
0.50000 -354.586926   -9.33E-16   -1.07E-31     .000000   -4.93E-15  -40.737356
1.00000 -356.539985   -4.083334   -4.95E-16     .000000   -5.23E-30   -4.67E-14

ELEM     207 ================== LENGTH =   39.905935

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  333.046862    4.083334    4.95E-16     .000000     .000000     .000000
0.50000  334.999909    1.20E-15    1.23E-31     .000000    4.93E-15   40.737312
1.00000  336.952956    4.083334    4.95E-16     .000000    5.13E-30    3.77E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -333.046862   -4.083334   -4.95E-16     .000000     .000000     .000000
0.50000 -334.999909   -1.20E-15   -1.23E-31     .000000   -4.93E-15  -40.737312
1.00000 -336.952956   -4.083334   -4.95E-16     .000000   -5.13E-30   -3.77E-14

ELEM     208 ================== LENGTH =   36.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   64.943958   24.333308    7.60E-16     .000000    1.97E-14  938.998926
0.25000   64.943958   25.208303    6.55E-16     .000000    1.60E-14  716.061695
0.50000   64.943958   26.083303    5.49E-16     .000000    1.16E-14  485.249464
0.75000   64.943958   26.958304    6.46E-16     .000000    6.29E-15  246.562232
1.00000   64.943958   27.833304    7.52E-16     .000000    5.60E-30    1.63E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -64.943958  -24.333308   -7.60E-16     .000000   -1.97E-14 -938.998926
0.25000  -64.943958  -25.208303   -6.55E-16     .000000   -1.60E-14 -716.061695
0.50000  -64.943958  -26.083303   -5.49E-16     .000000   -1.16E-14 -485.249464
0.75000  -64.943958  -26.958304   -6.46E-16     .000000   -6.29E-15 -246.562232
1.00000  -64.943958  -27.833304   -7.52E-16     .000000   -5.60E-30   -1.63E-13

ELEM     209 ================== LENGTH =   14.462800

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  108.038530  178.442194    4.11E-15     .000000    5.95E-14    2590.942
0.25000  108.038530  178.793720    4.07E-15     .000000    4.49E-14    1945.113
0.50000  108.038530  179.145247    4.12E-15     .000000    3.01E-14    1298.013
0.75000  108.038530  179.496773    4.16E-15     .000000    1.51E-14  649.641990
1.00000  108.038530  179.848300    4.20E-15     .000000    4.81E-29    2.60E-12

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -108.038530 -178.442194   -4.11E-15     .000000   -5.95E-14   -2590.942
0.25000 -108.038530 -178.793720   -4.07E-15     .000000   -4.49E-14   -1945.113
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0.50000 -108.038530 -179.145247   -4.12E-15     .000000   -3.01E-14   -1298.013
0.75000 -108.038530 -179.496773   -4.16E-15     .000000   -1.51E-14 -649.641990
1.00000 -108.038530 -179.848300   -4.20E-15     .000000   -4.81E-29   -2.60E-12

ELEM     210 ================== LENGTH =   15.487600

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   90.483581  162.213033    3.73E-15     .000000    5.77E-14    2523.951
0.25000   90.483581  162.589468    3.68E-15     .000000    4.35E-14    1895.149
0.50000   90.483581  162.965903    3.72E-15     .000000    2.92E-14    1264.890
0.75000   90.483581  163.342338    3.77E-15     .000000    1.47E-14  633.173956
1.00000   90.483581  163.718773    3.81E-15     .000000    1.63E-28    2.60E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -90.483581 -162.213033   -3.73E-15     .000000   -5.77E-14   -2523.951
0.25000  -90.483581 -162.589468   -3.68E-15     .000000   -4.35E-14   -1895.149
0.50000  -90.483581 -162.965903   -3.72E-15     .000000   -2.92E-14   -1264.890
0.75000  -90.483581 -163.342338   -3.77E-15     .000000   -1.47E-14 -633.173956
1.00000  -90.483581 -163.718773   -3.81E-15     .000000   -1.63E-28   -2.60E-13

ELEM     211 ================== LENGTH =    6.461000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  315.062571  123.565725    1.62E-15     .000000    1.08E-14  801.546965
0.25000  315.062571  123.812499    1.64E-15     .000000    8.14E-15  601.758127
0.50000  315.062571  124.059273    1.67E-15     .000000    5.48E-15  401.570687
0.75000  315.062571  124.306048    1.70E-15     .000000    2.76E-15  200.984645
1.00000  315.062571  124.552822    1.73E-15     .000000    2.95E-28    1.20E-11

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -315.062571 -123.565725   -1.62E-15     .000000   -1.08E-14 -801.546965
0.25000 -315.062571 -123.812499   -1.64E-15     .000000   -8.14E-15 -601.758127
0.50000 -315.062571 -124.059273   -1.67E-15     .000000   -5.48E-15 -401.570687
0.75000 -315.062571 -124.306048   -1.70E-15     .000000   -2.76E-15 -200.984645
1.00000 -315.062571 -124.552822   -1.73E-15     .000000   -2.95E-28   -1.20E-11

ELEM     212 ================== LENGTH =   15.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  533.154841  120.874980    2.78E-15     .000000    4.17E-14    1824.062
0.25000  533.154841  121.239564    2.74E-15     .000000    3.15E-14    1370.097
0.50000  533.154841  121.604147    2.78E-15     .000000    2.12E-14  914.765478
0.75000  533.154841  121.968730    2.82E-15     .000000    1.07E-14  458.066333
1.00000  533.154841  122.333314    2.87E-15     .000000    3.20E-29    4.01E-12

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -533.154841 -120.874980   -2.78E-15     .000000   -4.17E-14   -1824.062
0.25000 -533.154841 -121.239564   -2.74E-15     .000000   -3.15E-14   -1370.097
0.50000 -533.154841 -121.604147   -2.78E-15     .000000   -2.12E-14 -914.765478
0.75000 -533.154841 -121.968730   -2.82E-15     .000000   -1.07E-14 -458.066333
1.00000 -533.154841 -122.333314   -2.87E-15     .000000   -3.20E-29   -4.01E-12
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ELEM     213 ================== LENGTH =   15.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   10204.833     .000000     .000000     .000000     .000000     .000000
0.50000   10201.260     .000000     .000000     .000000     .000000     .000000
1.00000   10197.688     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -10204.833     .000000     .000000     .000000     .000000     .000000
0.50000  -10201.260     .000000     .000000     .000000     .000000     .000000
1.00000  -10197.688     .000000     .000000     .000000     .000000     .000000

ELEM     214 ================== LENGTH =   32.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   10102.854   64.943958     .000000     .000000     .000000     .000000
0.50000   10095.425   64.943958     .000000     .000000     .000000    1063.457
1.00000   10087.995   64.943958     .000000     .000000     .000000    2126.915

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -10102.854  -64.943958     .000000     .000000     .000000     .000000
0.50000  -10095.425  -64.943958     .000000     .000000     .000000   -1063.457
1.00000  -10087.995  -64.943958     .000000     .000000     .000000   -2126.915

ELEM     215 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   10024.008   44.310724     .000000     .000000     .000000    2126.915
0.50000   10013.119   44.310724     .000000     .000000     .000000    1063.457
1.00000   10002.230   44.310724     .000000     .000000     .000000    1.24E-12

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -10024.008  -44.310724     .000000     .000000     .000000   -2126.915
0.50000  -10013.119  -44.310724     .000000     .000000     .000000   -1063.457
1.00000  -10002.230  -44.310724     .000000     .000000     .000000   -1.24E-12

ELEM     216 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9885.432     .000000     .000000     .000000     .000000     .000000
0.50000    9874.543     .000000     .000000     .000000     .000000     .000000
1.00000    9863.654     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9885.432     .000000     .000000     .000000     .000000     .000000
0.50000   -9874.543     .000000     .000000     .000000     .000000     .000000
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1.00000   -9863.654     .000000     .000000     .000000     .000000     .000000

ELEM     217 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7221.160     .000000     .000000     .000000     .000000     .000000
0.50000    7215.715     .000000     .000000     .000000     .000000     .000000
1.00000    7210.271     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7221.160     .000000     .000000     .000000     .000000     .000000
0.50000   -7215.715     .000000     .000000     .000000     .000000     .000000
1.00000   -7210.271     .000000     .000000     .000000     .000000     .000000

ELEM     218 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6632.709     .000000     .000000     .000000     .000000     .000000
0.50000    6627.265     .000000     .000000     .000000     .000000     .000000
1.00000    6621.820     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6632.709     .000000     .000000     .000000     .000000     .000000
0.50000   -6627.265     .000000     .000000     .000000     .000000     .000000
1.00000   -6621.820     .000000     .000000     .000000     .000000     .000000

ELEM     219 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6257.104     .000000     .000000     .000000     .000000     .000000
0.50000    6251.659     .000000     .000000     .000000     .000000     .000000
1.00000    6246.215     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6257.104     .000000     .000000     .000000     .000000     .000000
0.50000   -6251.659     .000000     .000000     .000000     .000000     .000000
1.00000   -6246.215     .000000     .000000     .000000     .000000     .000000

ELEM     220 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    5556.187     .000000     .000000     .000000     .000000     .000000
0.50000    5550.742     .000000     .000000     .000000     .000000     .000000
1.00000    5545.298     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -5556.187     .000000     .000000     .000000     .000000     .000000
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```
0.50000   -5550.742     .000000     .000000     .000000     .000000     .000000
1.00000   -5545.298     .000000     .000000     .000000     .000000     .000000

ELEM     221 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    5179.365     .000000     .000000     .000000     .000000     .000000
0.50000    5173.920     .000000     .000000     .000000     .000000     .000000
1.00000    5168.476     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -5179.365     .000000     .000000     .000000     .000000     .000000
0.50000   -5173.920     .000000     .000000     .000000     .000000     .000000
1.00000   -5168.476     .000000     .000000     .000000     .000000     .000000

ELEM     222 ================== LENGTH =   34.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    4698.635     .000000     .000000     .000000     .000000     .000000
0.50000    4694.729     .000000     .000000     .000000     .000000     .000000
1.00000    4690.823     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -4698.635     .000000     .000000     .000000     .000000     .000000
0.50000   -4694.729     .000000     .000000     .000000     .000000     .000000
1.00000   -4690.823     .000000     .000000     .000000     .000000     .000000

ELEM     223 ================== LENGTH =   88.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1331.819     .000000     .000000     .000000     .000000     .000000
0.50000    1321.774     .000000     .000000     .000000     .000000     .000000
1.00000    1311.728     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1331.819     .000000     .000000     .000000     .000000     .000000
0.50000   -1321.774     .000000     .000000     .000000     .000000     .000000
1.00000   -1311.728     .000000     .000000     .000000     .000000     .000000

ELEM     224 ================== LENGTH =    9.537200

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   67.932116  120.640241    2.94E-15     .000000     .000000     .000000
0.25000   67.932116  120.408434    2.91E-15     .000000    6.98E-15  287.366177
0.50000   67.932116  120.176627    2.89E-15     .000000    1.39E-14  574.179657
0.75000   67.932116  119.944820    2.87E-15     .000000    2.07E-14  860.440439
1.00000   67.932116  119.713013    2.90E-15     .000000    2.75E-14    1146.149

COMBDEADLOAD ------------------ MIN
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	-67.932116	-120.640241	-2.94E-15	.000000	.000000	.000000
0.25000	-67.932116	-120.408434	-2.91E-15	.000000	-6.98E-15	-287.366177
0.50000	-67.932116	-120.176627	-2.89E-15	.000000	-1.39E-14	-574.179657
0.75000	-67.932116	-119.944820	-2.87E-15	.000000	-2.07E-14	-860.440439
1.00000	-67.932116	-119.713013	-2.90E-15	.000000	-2.75E-14	-1146.149

ELEM 225 ========== LENGTH = 8.512400

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	50.746215	23.945333	6.19E-16	.000000	.000000	.000000
0.25000	50.746215	23.738434	5.94E-16	.000000	1.29E-15	50.737912
0.50000	50.746215	23.531535	5.79E-16	.000000	2.53E-15	101.035523
0.75000	50.746215	23.349540	6.04E-16	.000000	3.71E-15	150.892833
1.00000	50.746215	23.556439	6.29E-16	.000000	4.93E-15	200.309842

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-50.746215	-23.945333	-6.19E-16	.000000	.000000	.000000
0.25000	-50.746215	-23.738434	-5.94E-16	.000000	-1.29E-15	-50.737912
0.50000	-50.746215	-23.531535	-5.79E-16	.000000	-2.53E-15	-101.035523
0.75000	-50.746215	-23.349540	-6.04E-16	.000000	-3.71E-15	-150.892833
1.00000	-50.746215	-23.556439	-6.29E-16	.000000	-4.93E-15	-200.309842

ELEM 226 ========== LENGTH = 49.604034

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2340.367	1.216483	1.47E-16	.000000	.000000	.000000
0.50000	2335.700	2.53E-16	8.41E-32	.000000	1.83E-15	15.085621
1.00000	2331.034	1.216483	1.47E-16	.000000	3.62E-30	1.37E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2340.367	-1.216483	-1.47E-16	.000000	.000000	.000000
0.50000	-2335.700	-2.53E-16	-8.41E-32	.000000	-1.83E-15	-15.085621
1.00000	-2331.034	-1.216483	-1.47E-16	.000000	-3.62E-30	-1.37E-14

ELEM 227 ========== LENGTH = 17.539000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	187.213494	101.076991	1.09E-15	.000000	.000000	.000000
0.25000	187.213494	100.407098	1.01E-15	.000000	4.59E-15	441.728679
0.50000	187.213494	99.737206	9.25E-16	.000000	8.82E-15	880.520047
0.75000	187.213494	99.067313	1.00E-15	.000000	1.27E-14	1316.374
1.00000	187.213494	98.397421	1.08E-15	.000000	1.62E-14	1749.291

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-187.213494	-101.076991	-1.09E-15	.000000	.000000	.000000
0.25000	-187.213494	-100.407098	-1.01E-15	.000000	-4.59E-15	-441.728679
0.50000	-187.213494	-99.737206	-9.25E-16	.000000	-8.82E-15	-880.520047
0.75000	-187.213494	-99.067313	-1.00E-15	.000000	-1.27E-14	-1316.374
1.00000	-187.213494	-98.397421	-1.08E-15	.000000	-1.62E-14	-1749.291

ELEM 228 ========== LENGTH = 4.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	50.746215	49.882732	1.60E-15	.000000	6.40E-15	200.308706
0.25000	50.746215	49.979954	1.59E-15	.000000	4.81E-15	150.377363
0.50000	50.746215	50.077177	1.60E-15	.000000	3.22E-15	100.348798
0.75000	50.746215	50.174399	1.61E-15	.000000	1.62E-15	50.223010
1.00000	50.746215	50.271621	1.62E-15	.000000	2.99E-30	1.19E-15

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-50.746215	-49.882732	-1.60E-15	.000000	-6.40E-15	-200.308706
0.25000	-50.746215	-49.979954	-1.59E-15	.000000	-4.81E-15	-150.377363
0.50000	-50.746215	-50.077177	-1.60E-15	.000000	-3.22E-15	-100.348798
0.75000	-50.746215	-50.174399	-1.61E-15	.000000	-1.62E-15	-50.223010
1.00000	-50.746215	-50.271621	-1.62E-15	.000000	-2.99E-30	-1.19E-15

ELEM 229 ========== LENGTH = 25.024800

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	40.234854	1.216483	1.47E-16	.000000	.000000	.000000
0.25000	40.234854	0.608242	7.37E-17	.000000	6.91E-16	5.707923
0.50000	40.234854	4.42E-16	2.21E-32	.000000	9.22E-16	7.610564
0.75000	40.234854	0.608242	7.37E-17	.000000	6.91E-16	5.707923
1.00000	40.234854	1.216483	1.47E-16	.000000	6.56E-31	1.12E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-40.234854	-1.216483	-1.47E-16	.000000	.000000	.000000
0.25000	-40.234854	-0.608242	-7.37E-17	.000000	-6.91E-16	-5.707923
0.50000	-40.234854	-4.42E-16	-2.21E-32	.000000	-9.22E-16	-7.610564
0.75000	-40.234854	-0.608242	-7.37E-17	.000000	-6.91E-16	-5.707923
1.00000	-40.234854	-1.216483	-1.47E-16	.000000	-6.56E-31	-1.12E-14

ELEM 230 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	67.932116	29.082096	7.95E-16	.000000	2.58E-14	1146.147
0.25000	67.932116	28.498763	7.25E-16	.000000	2.21E-14	980.674791
0.50000	67.932116	28.453768	6.67E-16	.000000	1.83E-14	811.702499
0.75000	67.932116	29.037101	7.37E-16	.000000	1.41E-14	639.230575
1.00000	67.932116	29.620435	8.08E-16	.000000	1.01E-14	463.258651

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-67.932116	-29.082096	-7.95E-16	.000000	-2.58E-14	-1146.147
0.25000	-67.932116	-28.498763	-7.25E-16	.000000	-2.21E-14	-980.674791
0.50000	-67.932116	-28.453768	-6.67E-16	.000000	-1.83E-14	-811.702499
0.75000	-67.932116	-29.037101	-7.37E-16	.000000	-1.41E-14	-639.230575
1.00000	-67.932116	-29.620435	-8.08E-16	.000000	-1.01E-14	-463.258651

ELEM 231 ========== LENGTH = 49.604034

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2138.937	1.216483	1.47E-16	.000000	.000000	.000000
0.50000	2134.270	1.60E-16	2.61E-32	.000000	1.83E-15	15.085621
1.00000	2129.604	1.216483	1.47E-16	.000000	1.43E-30	6.57E-15

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2138.937	-1.216483	-1.47E-16	.000000	.000000	.000000
0.50000	-2134.270	-1.60E-16	-2.61E-32	.000000	-1.83E-15	-15.085621
1.00000	-2129.604	-1.216483	-1.47E-16	.000000	-1.43E-30	-6.57E-15

ELEM 232 ========== LENGTH = 50.049600

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	40.872221	2.432967	2.95E-16	.000000	.000000	.000000
0.25000	40.872221	1.216483	1.47E-16	.000000	2.77E-15	22.831691
0.50000	40.872221	1.34E-15	1.04E-31	.000000	3.69E-15	30.442255
0.75000	40.872221	1.216483	1.47E-16	.000000	2.77E-15	22.831691
1.00000	40.872221	2.432967	2.95E-16	.000000	5.46E-30	6.80E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-40.872221	-2.432967	-2.95E-16	.000000	.000000	.000000
0.25000	-40.872221	-1.216483	-1.47E-16	.000000	-2.77E-15	-22.831691
0.50000	-40.872221	-1.34E-15	-1.04E-31	.000000	-3.69E-15	-30.442255
0.75000	-40.872221	-1.216483	-1.47E-16	.000000	-2.77E-15	-22.831691
1.00000	-40.872221	-2.432967	-2.95E-16	.000000	-5.46E-30	-6.80E-14

ELEM 233 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	187.213494	24.397421	4.56E-16	.000000	1.49E-14	1749.289
0.25000	187.213494	23.480754	3.45E-16	.000000	1.70E-14	1892.923
0.50000	187.213494	22.564087	2.34E-16	.000000	1.87E-14	2031.058
0.75000	187.213494	21.647421	3.25E-16	.000000	1.98E-14	2163.692
1.00000	187.213494	22.493658	4.36E-16	.000000	2.02E-14	2290.827

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-187.213494	-24.397421	-4.56E-16	.000000	-1.49E-14	-1749.289
0.25000	-187.213494	-23.480754	-3.45E-16	.000000	-1.70E-14	-1892.923
0.50000	-187.213494	-22.564087	-2.34E-16	.000000	-1.87E-14	-2031.058
0.75000	-187.213494	-21.647421	-3.25E-16	.000000	-1.98E-14	-2163.692
1.00000	-187.213494	-22.493658	-4.36E-16	.000000	-2.02E-14	-2290.827

ELEM 234 ========== LENGTH = 49.604034

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1988.201	1.216483	1.47E-16	.000000	.000000	.000000
0.50000	1983.534	2.70E-16	5.30E-33	.000000	1.83E-15	15.085621
1.00000	1978.868	1.216483	1.47E-16	.000000	6.07E-31	1.15E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1988.201	-1.216483	-1.47E-16	.000000	.000000	.000000
0.50000	-1983.534	-2.70E-16	-5.30E-33	.000000	-1.83E-15	-15.085621
1.00000	-1978.868	-1.216483	-1.47E-16	.000000	-6.07E-31	-1.15E-14

ELEM 235 ========== LENGTH = 62.562000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	33.306680	3.041209	3.68E-16	.000000	.000000	.000000
0.25000	33.306680	1.520604	1.84E-16	.000000	4.32E-15	35.674517
0.50000	33.306680	1.95E-18	9.94E-32	.000000	5.76E-15	47.566023
0.75000	33.306680	1.520604	1.84E-16	.000000	4.32E-15	35.674517
1.00000	33.306680	3.041209	3.68E-16	.000000	5.59E-30	4.09E-16

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-33.306680	-3.041209	-3.68E-16	.000000	.000000	.000000
0.25000	-33.306680	-1.520604	-1.84E-16	.000000	-4.32E-15	-35.674517
0.50000	-33.306680	-1.95E-18	-9.94E-32	.000000	-5.76E-15	-47.566023
0.75000	-33.306680	-1.520604	-1.84E-16	.000000	-4.32E-15	-35.674517
1.00000	-33.306680	-3.041209	-3.68E-16	.000000	-5.59E-30	-4.09E-16

ELEM 236 ========== LENGTH = 4.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	67.932116	115.620435	3.68E-15	.000000	1.48E-14	463.259517
0.25000	67.932116	115.717657	3.69E-15	.000000	1.11E-14	347.590471
0.50000	67.932116	115.814879	3.70E-15	.000000	7.43E-15	231.824203
0.75000	67.932116	115.912101	3.72E-15	.000000	3.72E-15	115.960713
1.00000	67.932116	116.009324	3.73E-15	.000000	3.01E-30	1.19E-15

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-67.932116	-115.620435	-3.68E-15	.000000	-1.48E-14	-463.259517
0.25000	-67.932116	-115.717657	-3.69E-15	.000000	-1.11E-14	-347.590471
0.50000	-67.932116	-115.814879	-3.70E-15	.000000	-7.43E-15	-231.824203
0.75000	-67.932116	-115.912101	-3.72E-15	.000000	-3.72E-15	-115.960713
1.00000	-67.932116	-116.009324	-3.73E-15	.000000	-3.01E-30	-1.19E-15

ELEM 237 ========== LENGTH = 49.604034

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1718.836	1.216483	1.47E-16	.000000	.000000	.000000
0.50000	1714.170	3.25E-17	2.39E-32	.000000	1.83E-15	15.085621
1.00000	1709.503	1.216483	1.47E-16	.000000	1.63E-30	1.41E-16

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1718.836	-1.216483	-1.47E-16	.000000	.000000	.000000
0.50000	-1714.170	-3.25E-17	-2.39E-32	.000000	-1.83E-15	-15.085621
1.00000	-1709.503	-1.216483	-1.47E-16	.000000	-1.63E-30	-1.41E-16

ELEM 238 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	187.213494	64.269315	8.50E-16	.000000	2.09E-14	2290.827
0.25000	187.213494	65.185982	7.39E-16	.000000	1.78E-14	1902.461
0.50000	187.213494	66.102649	6.85E-16	.000000	1.40E-14	1508.596
0.75000	187.213494	67.019315	7.96E-16	.000000	9.56E-15	1109.230
1.00000	187.213494	67.935982	9.07E-16	.000000	5.64E-15	704.364614

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-187.213494	-64.269315	-8.50E-16	.000000	-2.09E-14	-2290.827
0.25000	-187.213494	-65.185982	-7.39E-16	.000000	-1.78E-14	-1902.461
0.50000	-187.213494	-66.102649	-6.85E-16	.000000	-1.40E-14	-1508.596
0.75000	-187.213494	-67.019315	-7.96E-16	.000000	-9.56E-15	-1109.230
1.00000	-187.213494	-67.935982	-9.07E-16	.000000	-5.64E-15	-704.364614

ELEM 239 ========== LENGTH = 94.625000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	162.207110	7.228299	8.75E-16	.000000	.000000	.000000
0.25000	162.207110	3.614150	4.38E-16	.000000	1.55E-14	128.245840
0.50000	162.207110	1.94E-15	2.03E-31	.000000	2.07E-14	170.994453
0.75000	162.207110	3.614150	4.38E-16	.000000	1.55E-14	128.245840
1.00000	162.207110	7.228299	8.75E-16	.000000	2.14E-29	2.21E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-162.207110	-7.228299	-8.75E-16	.000000	.000000	.000000
0.25000	-162.207110	-3.614150	-4.38E-16	.000000	-1.55E-14	-128.245840
0.50000	-162.207110	-1.94E-15	-2.03E-31	.000000	-2.07E-14	-170.994453
0.75000	-162.207110	-3.614150	-4.38E-16	.000000	-1.55E-14	-128.245840
1.00000	-162.207110	-7.228299	-8.75E-16	.000000	-2.14E-29	-2.21E-13

ELEM 240 ========== LENGTH = 49.604034

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1566.843	1.216483	1.47E-16	.000000	.000000	.000000
0.50000	1562.176	2.53E-16	8.41E-32	.000000	1.83E-15	15.085621
1.00000	1557.510	1.216483	1.47E-16	.000000	3.62E-30	1.37E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1566.843	-1.216483	-1.47E-16	.000000	.000000	.000000
0.50000	-1562.176	-2.53E-16	-8.41E-32	.000000	-1.83E-15	-15.085621
1.00000	-1557.510	-1.216483	-1.47E-16	.000000	-3.62E-30	-1.37E-14

ELEM 241 ========== LENGTH = 35.588312

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1436.013	0.872764	1.06E-16	.000000	.000000	.000000
0.50000	1432.665	2.02E-16	3.78E-32	.000000	9.40E-16	7.765049

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1.00000    1429.317    0.872764    1.06E-16     .000000    1.32E-30    7.04E-15

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1436.013   -0.872764   -1.06E-16     .000000     .000000     .000000
0.50000   -1432.665   -2.02E-16   -3.78E-32     .000000   -9.40E-16   -7.765049
1.00000   -1429.317   -0.872764   -1.06E-16     .000000   -1.32E-30   -7.04E-15

ELEM     242 ================== LENGTH =    6.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  187.213494  116.935982    1.60E-15     .000000    9.94E-15  704.365893
0.25000  187.213494  117.165149    1.63E-15     .000000    7.52E-15  528.790045
0.50000  187.213494  117.394316    1.66E-15     .000000    5.05E-15  352.870447
0.75000  187.213494  117.623482    1.68E-15     .000000    2.55E-15  176.607098
1.00000  187.213494  117.852649    1.71E-15     .000000    3.64E-28    1.03E-11

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -187.213494 -116.935982   -1.60E-15     .000000   -9.94E-15 -704.365893
0.25000 -187.213494 -117.165149   -1.63E-15     .000000   -7.52E-15 -528.790045
0.50000 -187.213494 -117.394316   -1.66E-15     .000000   -5.05E-15 -352.870447
0.75000 -187.213494 -117.623482   -1.68E-15     .000000   -2.55E-15 -176.607098
1.00000 -187.213494 -117.852649   -1.71E-15     .000000   -3.64E-28   -1.03E-11

ELEM     243 ================== LENGTH =   91.522018

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  700.096900    2.244472    2.72E-16     .000000     .000000     .000000
0.50000  691.486656    7.48E-17    6.79E-32     .000000    6.22E-15   51.354661
1.00000  682.876412    2.244472    2.72E-16     .000000    6.06E-30    3.05E-15

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -700.096900   -2.244472   -2.72E-16     .000000     .000000     .000000
0.50000 -691.486656   -7.48E-17   -6.79E-32     .000000   -6.22E-15  -51.354661
1.00000 -682.876412   -2.244472   -2.72E-16     .000000   -6.06E-30   -3.05E-15

ELEM     244 ================== LENGTH =    8.512400

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   90.483581  101.844624    2.53E-15     .000000     .000000     .000000
0.25000   90.483581  101.637725    2.51E-15     .000000    5.36E-15  216.515394
0.50000   90.483581  101.430827    2.48E-15     .000000    1.07E-14  432.590487
0.75000   90.483581  101.223928    2.46E-15     .000000    1.59E-14  648.225279
1.00000   90.483581  101.017030    2.43E-15     .000000    2.11E-14  863.419770

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -90.483581 -101.844624   -2.53E-15     .000000     .000000     .000000
0.25000  -90.483581 -101.637725   -2.51E-15     .000000   -5.36E-15 -216.515394
0.50000  -90.483581 -101.430827   -2.48E-15     .000000   -1.07E-14 -432.590487
0.75000  -90.483581 -101.223928   -2.46E-15     .000000   -1.59E-14 -648.225279
```

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1.00000  -90.483581 -101.017030   -2.43E-15     .000000   -2.11E-14 -863.419770

ELEM     245 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   90.483581   77.347148    1.93E-15     .000000    1.78E-14  863.413066
0.25000   90.483581   76.763814    1.86E-15     .000000    2.81E-14    1281.765
0.50000   90.483581   76.180481    1.79E-15     .000000    3.80E-14    1696.617
0.75000   90.483581   75.597148    1.79E-15     .000000    4.74E-14    2107.969
1.00000   90.483581   75.013814    1.86E-15     .000000    5.65E-14    2515.821

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -90.483581  -77.347148   -1.93E-15     .000000   -1.78E-14 -863.413066
0.25000  -90.483581  -76.763814   -1.86E-15     .000000   -2.81E-14   -1281.765
0.50000  -90.483581  -76.180481   -1.79E-15     .000000   -3.80E-14   -1696.617
0.75000  -90.483581  -75.597148   -1.79E-15     .000000   -4.74E-14   -2107.969
1.00000  -90.483581  -75.013814   -1.86E-15     .000000   -5.65E-14   -2515.821

ELEM     246 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   90.483581   25.994483    7.23E-16     .000000    5.59E-14    2515.820
0.25000   90.483581   25.899669    6.52E-16     .000000    5.28E-14    2362.172
0.50000   90.483581   26.483003    6.21E-16     .000000    4.93E-14    2205.024
0.75000   90.483581   27.066336    6.91E-16     .000000    4.53E-14    2044.376
1.00000   90.483581   27.649669    7.62E-16     .000000    4.10E-14    1880.228

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -90.483581  -25.994483   -7.23E-16     .000000   -5.59E-14   -2515.820
0.25000  -90.483581  -25.899669   -6.52E-16     .000000   -5.28E-14   -2362.172
0.50000  -90.483581  -26.483003   -6.21E-16     .000000   -4.93E-14   -2205.024
0.75000  -90.483581  -27.066336   -6.91E-16     .000000   -4.53E-14   -2044.376
1.00000  -90.483581  -27.649669   -7.62E-16     .000000   -4.10E-14   -1880.228

ELEM     247 ================== LENGTH =   26.537200

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  108.038530   71.489286    1.70E-15     .000000     .000000     .000000
0.25000  108.038530   70.844285    1.63E-15     .000000    1.10E-14  472.141805
0.50000  108.038530   70.199283    1.55E-15     .000000    2.16E-14  940.004478
0.75000  108.038530   69.554282    1.59E-15     .000000    3.16E-14    1403.588
1.00000  108.038530   68.909281    1.67E-15     .000000    4.11E-14    1862.892

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -108.038530  -71.489286   -1.70E-15     .000000     .000000     .000000
0.25000 -108.038530  -70.844285   -1.63E-15     .000000   -1.10E-14 -472.141805
0.50000 -108.038530  -70.199283   -1.55E-15     .000000   -2.16E-14 -940.004478
0.75000 -108.038530  -69.554282   -1.59E-15     .000000   -3.16E-14   -1403.588
1.00000 -108.038530  -68.909281   -1.67E-15     .000000   -4.11E-14   -1862.892

ELEM     248 ================== LENGTH =   31.000000
```

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	108.038530	49.720861	1.29E-15	.000000	4.07E-14	1862.890
0.25000	108.038530	48.967389	1.20E-15	.000000	4.08E-14	1828.267
0.50000	108.038530	49.387818	1.13E-15	.000000	4.02E-14	1787.804
0.75000	108.038530	50.141291	1.23E-15	.000000	3.88E-14	1741.503
1.00000	108.038530	50.894763	1.32E-15	.000000	3.67E-14	1689.362

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-108.038530	-49.720861	-1.29E-15	.000000	-4.07E-14	-1862.890
0.25000	-108.038530	-48.967389	-1.20E-15	.000000	-4.08E-14	-1828.267
0.50000	-108.038530	-49.387818	-1.13E-15	.000000	-4.02E-14	-1787.804
0.75000	-108.038530	-50.141291	-1.23E-15	.000000	-3.88E-14	-1741.503
1.00000	-108.038530	-50.894763	-1.32E-15	.000000	-3.67E-14	-1689.362

ELEM 249 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	218.667026	17.500001	5.63E-16	.000000	.000000	.000000
0.25000	218.667026	16.333334	4.22E-16	.000000	5.91E-15	203.000012
0.50000	218.667026	15.166667	3.44E-16	.000000	1.01E-14	392.000022
0.75000	218.667026	14.000003	4.85E-16	.000000	1.27E-14	567.000031
1.00000	218.667026	15.166670	6.27E-16	.000000	1.65E-14	728.000039

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-218.667026	-17.500001	-5.63E-16	.000000	.000000	.000000
0.25000	-218.667026	-16.333334	-4.22E-16	.000000	-5.91E-15	-203.000012
0.50000	-218.667026	-15.166667	-3.44E-16	.000000	-1.01E-14	-392.000022
0.75000	-218.667026	-14.000003	-4.85E-16	.000000	-1.27E-14	-567.000031
1.00000	-218.667026	-15.166670	-6.27E-16	.000000	-1.65E-14	-728.000039

ELEM 250 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	218.667026	29.166690	7.49E-16	.000000	1.57E-14	728.000563
0.25000	218.667026	29.750023	6.78E-16	.000000	1.24E-14	551.250423
0.50000	218.667026	30.333357	6.55E-16	.000000	8.71E-15	371.000282
0.75000	218.667026	30.916690	7.26E-16	.000000	4.57E-15	187.250141
1.00000	218.667026	31.500024	7.96E-16	.000000	7.09E-30	2.30E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-218.667026	-29.166690	-7.49E-16	.000000	-1.57E-14	-728.000563
0.25000	-218.667026	-29.750023	-6.78E-16	.000000	-1.24E-14	-551.250423
0.50000	-218.667026	-30.333357	-6.55E-16	.000000	-8.71E-15	-371.000282
0.75000	-218.667026	-30.916690	-7.26E-16	.000000	-4.57E-15	-187.250141
1.00000	-218.667026	-31.500024	-7.96E-16	.000000	-7.09E-30	-2.30E-13

ELEM 251 ========== LENGTH = 60.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	90.483581	8.666656	4.09E-16	.000000	.000000	.000000
0.25000	90.483581	7.208323	2.33E-16	.000000	4.82E-15	119.062340
0.50000	90.483581	5.749989	1.74E-16	.000000	6.98E-15	216.249678
0.75000	90.483581	6.041661	3.51E-16	.000000	6.50E-15	291.562014
1.00000	90.483581	7.499994	5.27E-16	.000000	1.05E-14	344.999348

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-90.483581	-8.666656	-4.09E-16	.000000	.000000	.000000
0.25000	-90.483581	-7.208323	-2.33E-16	.000000	-4.82E-15	-119.062340
0.50000	-90.483581	-5.749989	-1.74E-16	.000000	-6.98E-15	-216.249678
0.75000	-90.483581	-6.041661	-3.51E-16	.000000	-6.50E-15	-291.562014
1.00000	-90.483581	-7.499994	-5.27E-16	.000000	-1.05E-14	-344.999348

ELEM 252 ========== LENGTH = 12.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	90.483581	28.166679	6.22E-16	.000000	7.91E-15	345.000143
0.25000	90.483581	28.458345	6.24E-16	.000000	6.09E-15	260.062608
0.50000	90.483581	28.750012	6.59E-16	.000000	4.17E-15	174.250072
0.75000	90.483581	29.041679	6.95E-16	.000000	2.14E-15	87.562536
1.00000	90.483581	29.333345	7.30E-16	.000000	5.97E-30	2.58E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-90.483581	-28.166679	-6.22E-16	.000000	-7.91E-15	-345.000143
0.25000	-90.483581	-28.458345	-6.24E-16	.000000	-6.09E-15	-260.062608
0.50000	-90.483581	-28.750012	-6.59E-16	.000000	-4.17E-15	-174.250072
0.75000	-90.483581	-29.041679	-6.95E-16	.000000	-2.14E-15	-87.562536
1.00000	-90.483581	-29.333345	-7.30E-16	.000000	-5.97E-30	-2.58E-13

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                    S A P 2 0 0 0

                Structural Analysis Programs

                       Version 7.40

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                                   PROGRAM:SAP2000/FILE:\EndBentSeismic.EKO


 S Y S T E M   D A T A


 STEADY STATE LOAD FREQUENCY  - - - - - - - -  0.0000E+00

 LENGTH UNITS - - - - - - - - - - - - - - - -          IN
 FORCE  UNITS - - - - - - - - - - - - - - - -          LB

 UP DIRECTION - - - - - - - - - - - - - - - -          +Z

 GLOBAL DEGREES OF FREEDOM  - - - - - - - - -          UX
                            - - - - - - - - -          UZ
                            - - - - - - - - -          RY

 PAGINATION BY  - - - - - - - - - - - - - - -    SECTIONS
 NUMBER OF LINES PER PAGE - - - - - - - - - -          59
 INCLUDE WARNING MESSAGES IN OUTPUT FILE  - -           Y
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G E N E R A T E D J O I N T C O O R D I N A T E S

JOINT	X	Y	Z
1	130.625	120.000	548.219
2	562.625	120.000	548.219
D2	94.625	120.000	146.500
D3	166.625	120.000	146.500
D4	238.625	120.000	146.500
D5	310.625	120.000	146.500
D6	382.625	120.000	146.500
D7	454.625	120.000	146.500
D8	526.625	120.000	146.500
D9	598.625	120.000	146.500
E2	94.625	120.000	162.250
E3	166.625	120.000	162.250
E4	238.625	120.000	162.250
E5	310.625	120.000	162.250
E6	382.625	120.000	162.250
E7	454.625	120.000	162.250
E8	526.625	120.000	162.250
E9	598.625	120.000	162.250
F2	94.625	120.000	195.000
F3	166.625	120.000	195.000
F8	526.625	120.000	195.000
F9	598.625	120.000	195.000
G2	94.625	120.000	243.000
G3	166.625	120.000	243.000
G4	238.625	120.000	243.000
G5	310.625	120.000	243.000
G6	382.625	120.000	243.000
G7	454.625	120.000	243.000
G8	526.625	120.000	243.000
G9	598.625	120.000	243.000
H2	94.625	120.000	291.000
H3	166.625	120.000	291.000
H8	526.625	120.000	291.000
H9	598.625	120.000	291.000
I1	82.113	120.000	339.000
I2	94.625	120.000	339.000
I3	166.625	120.000	339.000
I4	238.625	120.000	339.000
I5	310.625	120.000	339.000
I6	382.625	120.000	339.000
I7	454.625	120.000	339.000
I8	526.625	120.000	339.000
I9	598.625	120.000	339.000
J1	69.600	120.000	387.000
J2	94.625	120.000	387.000
J3	166.625	120.000	387.000
J8	526.625	120.000	387.000
J9	598.625	120.000	387.000
K1	57.088	120.000	435.000
K2	94.625	120.000	435.000
K3	166.625	120.000	435.000
K4	238.625	120.000	435.000
K5	310.625	120.000	435.000
K6	382.625	120.000	435.000
K7	454.625	120.000	435.000
K8	526.625	120.000	435.000

K9	598.625	120.000	435.000
L1	44.575	120.000	483.000
L2	94.625	120.000	483.000
L3	166.625	120.000	483.000
L8	526.625	120.000	483.000
L9	598.625	120.000	483.000
M1	32.063	120.000	531.000
M2	94.625	120.000	531.000
M3	166.625	120.000	531.000
M4	238.625	120.000	531.000
M5	310.625	120.000	531.000
M6	382.625	120.000	531.000
M7	454.625	120.000	531.000
M8	526.625	120.000	531.000
M9	598.625	120.000	531.000
N1	23.086	120.000	565.437
N2	94.625	120.000	565.437
N3	166.625	120.000	565.437
N8	526.625	120.000	565.437
N9	598.625	120.000	565.437
O4	238.625	120.000	641.000
O7	454.625	120.000	641.000
P1	0.000	120.000	654.000
P2	94.625	120.000	654.000
P3	166.625	120.000	654.000
P4	238.625	120.000	654.000
P5	310.625	120.000	654.000
P6	382.625	120.000	654.000
P7	454.625	120.000	654.000
P8	526.625	120.000	654.000
P9	598.625	120.000	654.000
E2A	130.625	120.000	162.250
E2B	154.625	120.000	162.250
E3A	178.625	120.000	162.250
E3B	202.625	120.000	162.250
E3C	226.625	120.000	162.250
E4A	250.625	120.000	162.250
E4B	280.625	120.000	162.250
E6A	412.625	120.000	162.250
E6B	442.625	120.000	162.250
E7A	466.625	120.000	162.250
E7B	490.625	120.000	162.250
E7C	514.625	120.000	162.250
E8A	538.625	120.000	162.250
E8B	562.625	120.000	162.250
G2A	109.625	120.000	243.000
G2B	133.625	120.000	243.000
G2C	157.625	120.000	243.000
G3A	181.625	120.000	243.000
G3B	205.625	120.000	243.000
G3C	229.625	120.000	243.000
G4A	264.625	120.000	243.000
G6A	428.625	120.000	243.000
G7A	463.625	120.000	243.000
G7B	487.625	120.000	243.000
G7C	511.625	120.000	243.000
G8A	535.625	120.000	243.000
G8B	559.625	120.000	243.000
G8C	583.625	120.000	243.000
I10	611.137	120.000	339.000
I1A	86.113	120.000	339.000
I2A	110.113	120.000	339.000
I2B	134.113	120.000	339.000

I2C	158.113	120.000	339.000
I3A	182.113	120.000	339.000
I3B	206.113	120.000	339.000
I3C	230.113	120.000	339.000
I4A	250.625	120.000	339.000
I6A	442.625	120.000	339.000
I7A	463.137	120.000	339.000
I7B	487.137	120.000	339.000
I7C	511.137	120.000	339.000
I8A	535.137	120.000	339.000
I8B	559.137	120.000	339.000
I8C	583.137	120.000	339.000
I9A	607.137	120.000	339.000
J10	623.650	120.000	387.000
K10	636.162	120.000	435.000
K1A	61.088	120.000	435.000
K1B	85.088	120.000	435.000
K2A	109.088	120.000	435.000
K2B	133.088	120.000	435.000
K2C	157.088	120.000	435.000
K3A	181.088	120.000	435.000
K3B	212.088	120.000	435.000
K7A	481.162	120.000	435.000
K7B	512.162	120.000	435.000
K8A	536.162	120.000	435.000
K8B	560.162	120.000	435.000
K8C	584.162	120.000	435.000
K9A	608.162	120.000	435.000
K9B	632.162	120.000	435.000
L10	648.675	120.000	483.000
L5A	346.625	120.000	483.000
M10	661.187	120.000	531.000
M3A	190.625	120.000	531.000
M7A	502.625	120.000	531.000
N10	670.164	120.000	565.437
N1A	29.086	120.000	565.437
N1B	53.086	120.000	565.437
N1C	77.086	120.000	565.437
N2A	101.086	120.000	565.437
N2B	125.086	120.000	565.437
N2C	149.086	120.000	565.437
N8A	544.164	120.000	565.437
N8B	568.164	120.000	565.437
N8C	592.164	120.000	565.437
N9A	616.164	120.000	565.437
N9B	640.164	120.000	565.437
N9C	664.164	120.000	565.437
P10	693.250	120.000	654.000

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PROGRAM:SAP2000/FILE:\EndBentSeismic.EKO

P A T T E R N S

PATTERN	JOINT	VALUE
DEFAULT		

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R E S T R A I N T D A T A

JOINT			
D2	U1	U2	U3
D3	U1	U2	U3
D4	U1	U2	U3
D5	U1	U2	U3
D6	U1	U2	U3
D7	U1	U2	U3
D8	U1	U2	U3
D9	U1	U2	U3

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C O N S T R A I N T D A T A

CONSTR	TYPE	CSYS	AXIS	DEGREES OF FREEDOM
PO4	EQUAL	0		UX
PO7	EQUAL	0		UX

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C O N S T R A I N T D A T A

CONSTR	JOINTS	
PO4		
	O4	P4
PO7		
	O7	P7

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J O I N T M A S S E S

JOINT	U1	U2	U3	R1	R2	R3
D2	0.562E-01	0.562E-01	0.562E-01	0.000E+00	0.000E+00	0.000E+00
D3	0.510E-01	0.510E-01	0.510E-01	0.000E+00	0.000E+00	0.000E+00
D4	0.510E-01	0.510E-01	0.510E-01	0.000E+00	0.000E+00	0.000E+00
D5	0.510E-01	0.510E-01	0.510E-01	0.000E+00	0.000E+00	0.000E+00
D6	0.510E-01	0.510E-01	0.510E-01	0.000E+00	0.000E+00	0.000E+00
D7	0.510E-01	0.510E-01	0.510E-01	0.000E+00	0.000E+00	0.000E+00
D8	0.510E-01	0.510E-01	0.510E-01	0.000E+00	0.000E+00	0.000E+00
D9	0.562E-01	0.562E-01	0.562E-01	0.000E+00	0.000E+00	0.000E+00
E2	0.173E+00	0.173E+00	0.173E+00	0.000E+00	0.000E+00	0.000E+00
E3	0.157E+00	0.157E+00	0.157E+00	0.000E+00	0.000E+00	0.000E+00
E4	0.312E+00	0.312E+00	0.312E+00	0.000E+00	0.000E+00	0.000E+00
E5	0.312E+00	0.312E+00	0.312E+00	0.000E+00	0.000E+00	0.000E+00
E6	0.312E+00	0.312E+00	0.312E+00	0.000E+00	0.000E+00	0.000E+00
E7	0.312E+00	0.312E+00	0.312E+00	0.000E+00	0.000E+00	0.000E+00
E8	0.157E+00	0.157E+00	0.157E+00	0.000E+00	0.000E+00	0.000E+00
E9	0.173E+00	0.173E+00	0.173E+00	0.000E+00	0.000E+00	0.000E+00

F2	0.288E+00	0.288E+00	0.288E+00	0.000E+00	0.000E+00	0.000E+00
F3	0.261E+00	0.261E+00	0.261E+00	0.000E+00	0.000E+00	0.000E+00
F8	0.261E+00	0.261E+00	0.261E+00	0.000E+00	0.000E+00	0.000E+00
F9	0.288E+00	0.288E+00	0.288E+00	0.000E+00	0.000E+00	0.000E+00
G2	0.343E+00	0.343E+00	0.343E+00	0.000E+00	0.000E+00	0.000E+00
G3	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
G4	0.572E+00	0.572E+00	0.572E+00	0.000E+00	0.000E+00	0.000E+00
G5	0.572E+00	0.572E+00	0.572E+00	0.000E+00	0.000E+00	0.000E+00
G6	0.572E+00	0.572E+00	0.572E+00	0.000E+00	0.000E+00	0.000E+00
G7	0.572E+00	0.572E+00	0.572E+00	0.000E+00	0.000E+00	0.000E+00
G8	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
G9	0.964E+00	0.964E+00	0.964E+00	0.000E+00	0.000E+00	0.000E+00
H2	0.346E+00	0.346E+00	0.346E+00	0.000E+00	0.000E+00	0.000E+00
H3	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
H8	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
H9	0.967E+00	0.967E+00	0.967E+00	0.000E+00	0.000E+00	0.000E+00
I1	0.349E+00	0.349E+00	0.349E+00	0.000E+00	0.000E+00	0.000E+00
I2	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
I3	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
I4	0.621E+00	0.621E+00	0.621E+00	0.000E+00	0.000E+00	0.000E+00
I5	0.621E+00	0.621E+00	0.621E+00	0.000E+00	0.000E+00	0.000E+00
I6	0.621E+00	0.621E+00	0.621E+00	0.000E+00	0.000E+00	0.000E+00
I7	0.621E+00	0.621E+00	0.621E+00	0.000E+00	0.000E+00	0.000E+00
I8	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
I9	0.932E+00	0.932E+00	0.932E+00	0.000E+00	0.000E+00	0.000E+00
J1	0.349E+00	0.349E+00	0.349E+00	0.000E+00	0.000E+00	0.000E+00
J2	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
J3	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
J8	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
J9	0.932E+00	0.932E+00	0.932E+00	0.000E+00	0.000E+00	0.000E+00
K1	0.349E+00	0.349E+00	0.349E+00	0.000E+00	0.000E+00	0.000E+00
K2	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
K3	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
K4	0.621E+00	0.621E+00	0.621E+00	0.000E+00	0.000E+00	0.000E+00
K5	0.621E+00	0.621E+00	0.621E+00	0.000E+00	0.000E+00	0.000E+00
K6	0.621E+00	0.621E+00	0.621E+00	0.000E+00	0.000E+00	0.000E+00
K7	0.621E+00	0.621E+00	0.621E+00	0.000E+00	0.000E+00	0.000E+00
K8	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
K9	0.932E+00	0.932E+00	0.932E+00	0.000E+00	0.000E+00	0.000E+00
L1	0.349E+00	0.349E+00	0.349E+00	0.000E+00	0.000E+00	0.000E+00
L2	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
L3	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
L8	0.311E+00	0.311E+00	0.311E+00	0.000E+00	0.000E+00	0.000E+00
L9	0.932E+00	0.932E+00	0.932E+00	0.000E+00	0.000E+00	0.000E+00
M1	0.296E+00	0.296E+00	0.296E+00	0.000E+00	0.000E+00	0.000E+00
M2	0.263E+00	0.263E+00	0.263E+00	0.000E+00	0.000E+00	0.000E+00
M3	0.263E+00	0.263E+00	0.263E+00	0.000E+00	0.000E+00	0.000E+00
M4	0.709E+00	0.709E+00	0.709E+00	0.000E+00	0.000E+00	0.000E+00
M5	0.709E+00	0.709E+00	0.709E+00	0.000E+00	0.000E+00	0.000E+00
M6	0.709E+00	0.709E+00	0.709E+00	0.000E+00	0.000E+00	0.000E+00
M7	0.709E+00	0.709E+00	0.709E+00	0.000E+00	0.000E+00	0.000E+00
M8	0.263E+00	0.263E+00	0.263E+00	0.000E+00	0.000E+00	0.000E+00
M9	0.790E+00	0.790E+00	0.790E+00	0.000E+00	0.000E+00	0.000E+00
N1	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
N2	0.744E+01	0.744E+01	0.744E+01	0.000E+00	0.000E+00	0.000E+00
N3	0.637E+01	0.637E+01	0.637E+01	0.000E+00	0.000E+00	0.000E+00
N8	0.637E+01	0.637E+01	0.637E+01	0.000E+00	0.000E+00	0.000E+00
N9	0.824E+01	0.824E+01	0.824E+01	0.000E+00	0.000E+00	0.000E+00
O4	0.290E+00	0.290E+00	0.290E+00	0.000E+00	0.000E+00	0.000E+00
O7	0.290E+00	0.290E+00	0.290E+00	0.000E+00	0.000E+00	0.000E+00
P1	0.146E+01	0.146E+01	0.146E+01	0.000E+00	0.000E+00	0.000E+00
P2	0.255E+01	0.255E+01	0.255E+01	0.000E+00	0.000E+00	0.000E+00
P3	0.255E+01	0.255E+01	0.255E+01	0.000E+00	0.000E+00	0.000E+00

P4	0.230E+01	0.230E+01	0.230E+01	0.000E+00	0.000E+00	0.000E+00
P5	0.255E+01	0.255E+01	0.255E+01	0.000E+00	0.000E+00	0.000E+00
P6	0.255E+01	0.255E+01	0.255E+01	0.000E+00	0.000E+00	0.000E+00
P7	0.230E+01	0.230E+01	0.230E+01	0.000E+00	0.000E+00	0.000E+00
P8	0.255E+01	0.255E+01	0.255E+01	0.000E+00	0.000E+00	0.000E+00
P9	0.278E+01	0.278E+01	0.278E+01	0.000E+00	0.000E+00	0.000E+00
E2A	0.797E-01	0.797E-01	0.797E-01	0.000E+00	0.000E+00	0.000E+00
E2B	0.137E+00	0.137E+00	0.137E+00	0.000E+00	0.000E+00	0.000E+00
E3A	0.119E+00	0.119E+00	0.119E+00	0.000E+00	0.000E+00	0.000E+00
E3B	0.119E+00	0.119E+00	0.119E+00	0.000E+00	0.000E+00	0.000E+00
E3C	0.102E+00	0.102E+00	0.102E+00	0.000E+00	0.000E+00	0.000E+00
E4A	0.102E+00	0.102E+00	0.102E+00	0.000E+00	0.000E+00	0.000E+00
E4B	0.675E-01	0.675E-01	0.675E-01	0.000E+00	0.000E+00	0.000E+00
E6A	0.675E-01	0.675E-01	0.675E-01	0.000E+00	0.000E+00	0.000E+00
E6B	0.102E+00	0.102E+00	0.102E+00	0.000E+00	0.000E+00	0.000E+00
E7A	0.102E+00	0.102E+00	0.102E+00	0.000E+00	0.000E+00	0.000E+00
E7B	0.119E+00	0.119E+00	0.119E+00	0.000E+00	0.000E+00	0.000E+00
E7C	0.119E+00	0.119E+00	0.119E+00	0.000E+00	0.000E+00	0.000E+00
E8A	0.137E+00	0.137E+00	0.137E+00	0.000E+00	0.000E+00	0.000E+00
E8B	0.797E-01	0.797E-01	0.797E-01	0.000E+00	0.000E+00	0.000E+00
G2A	0.174E+00	0.174E+00	0.174E+00	0.000E+00	0.000E+00	0.000E+00
G2B	0.299E+00	0.299E+00	0.299E+00	0.000E+00	0.000E+00	0.000E+00
G2C	0.261E+00	0.261E+00	0.261E+00	0.000E+00	0.000E+00	0.000E+00
G3A	0.261E+00	0.261E+00	0.261E+00	0.000E+00	0.000E+00	0.000E+00
G3B	0.222E+00	0.222E+00	0.222E+00	0.000E+00	0.000E+00	0.000E+00
G3C	0.222E+00	0.222E+00	0.222E+00	0.000E+00	0.000E+00	0.000E+00
G4A	0.148E+00	0.148E+00	0.148E+00	0.000E+00	0.000E+00	0.000E+00
G6A	0.148E+00	0.148E+00	0.148E+00	0.000E+00	0.000E+00	0.000E+00
G7A	0.222E+00	0.222E+00	0.222E+00	0.000E+00	0.000E+00	0.000E+00
G7B	0.222E+00	0.222E+00	0.222E+00	0.000E+00	0.000E+00	0.000E+00
G7C	0.261E+00	0.261E+00	0.261E+00	0.000E+00	0.000E+00	0.000E+00
G8A	0.261E+00	0.261E+00	0.261E+00	0.000E+00	0.000E+00	0.000E+00
G8B	0.299E+00	0.299E+00	0.299E+00	0.000E+00	0.000E+00	0.000E+00
G8C	0.174E+00	0.174E+00	0.174E+00	0.000E+00	0.000E+00	0.000E+00
I10	0.349E+00	0.349E+00	0.349E+00	0.000E+00	0.000E+00	0.000E+00
I1A	0.190E+00	0.190E+00	0.190E+00	0.000E+00	0.000E+00	0.000E+00
I2A	0.325E+00	0.325E+00	0.325E+00	0.000E+00	0.000E+00	0.000E+00
I2B	0.283E+00	0.283E+00	0.283E+00	0.000E+00	0.000E+00	0.000E+00
I2C	0.283E+00	0.283E+00	0.283E+00	0.000E+00	0.000E+00	0.000E+00
I3A	0.241E+00	0.241E+00	0.241E+00	0.000E+00	0.000E+00	0.000E+00
I3B	0.241E+00	0.241E+00	0.241E+00	0.000E+00	0.000E+00	0.000E+00
I3C	0.802E-01	0.802E-01	0.802E-01	0.000E+00	0.000E+00	0.000E+00
I4A	0.802E-01	0.802E-01	0.802E-01	0.000E+00	0.000E+00	0.000E+00
I6A	0.802E-01	0.802E-01	0.802E-01	0.000E+00	0.000E+00	0.000E+00
I7A	0.802E-01	0.802E-01	0.802E-01	0.000E+00	0.000E+00	0.000E+00
I7B	0.241E+00	0.241E+00	0.241E+00	0.000E+00	0.000E+00	0.000E+00
I7C	0.241E+00	0.241E+00	0.241E+00	0.000E+00	0.000E+00	0.000E+00
I8A	0.283E+00	0.283E+00	0.283E+00	0.000E+00	0.000E+00	0.000E+00
I8B	0.283E+00	0.283E+00	0.283E+00	0.000E+00	0.000E+00	0.000E+00
I8C	0.325E+00	0.325E+00	0.325E+00	0.000E+00	0.000E+00	0.000E+00
I9A	0.190E+00	0.190E+00	0.190E+00	0.000E+00	0.000E+00	0.000E+00
J10	0.349E+00	0.349E+00	0.349E+00	0.000E+00	0.000E+00	0.000E+00
K10	0.349E+00	0.349E+00	0.349E+00	0.000E+00	0.000E+00	0.000E+00
K1A	0.223E+00	0.223E+00	0.223E+00	0.000E+00	0.000E+00	0.000E+00
K1B	0.381E+00	0.381E+00	0.381E+00	0.000E+00	0.000E+00	0.000E+00
K2A	0.332E+00	0.332E+00	0.332E+00	0.000E+00	0.000E+00	0.000E+00
K2B	0.332E+00	0.332E+00	0.332E+00	0.000E+00	0.000E+00	0.000E+00
K2C	0.283E+00	0.283E+00	0.283E+00	0.000E+00	0.000E+00	0.000E+00
K3A	0.283E+00	0.283E+00	0.283E+00	0.000E+00	0.000E+00	0.000E+00
K3B	0.188E+00	0.188E+00	0.188E+00	0.000E+00	0.000E+00	0.000E+00
K7A	0.188E+00	0.188E+00	0.188E+00	0.000E+00	0.000E+00	0.000E+00
K7B	0.283E+00	0.283E+00	0.283E+00	0.000E+00	0.000E+00	0.000E+00
K8A	0.283E+00	0.283E+00	0.283E+00	0.000E+00	0.000E+00	0.000E+00

K8B	0.332E+00	0.332E+00	0.332E+00	0.000E+00	0.000E+00	0.000E+00
K8C	0.332E+00	0.332E+00	0.332E+00	0.000E+00	0.000E+00	0.000E+00
K9A	0.381E+00	0.381E+00	0.381E+00	0.000E+00	0.000E+00	0.000E+00
K9B	0.223E+00	0.223E+00	0.223E+00	0.000E+00	0.000E+00	0.000E+00
L10	0.349E+00	0.349E+00	0.349E+00	0.000E+00	0.000E+00	0.000E+00
M10	0.296E+00	0.296E+00	0.296E+00	0.000E+00	0.000E+00	0.000E+00
M3A	0.108E+00	0.108E+00	0.108E+00	0.000E+00	0.000E+00	0.000E+00
M7A	0.108E+00	0.108E+00	0.108E+00	0.000E+00	0.000E+00	0.000E+00
N10	0.152E+01	0.152E+01	0.152E+01	0.000E+00	0.000E+00	0.000E+00
N1A	0.128E+00	0.128E+00	0.128E+00	0.000E+00	0.000E+00	0.000E+00
N1B	0.219E+00	0.219E+00	0.219E+00	0.000E+00	0.000E+00	0.000E+00
N1C	0.191E+00	0.191E+00	0.191E+00	0.000E+00	0.000E+00	0.000E+00
N2A	0.191E+00	0.191E+00	0.191E+00	0.000E+00	0.000E+00	0.000E+00
N2B	0.163E+00	0.163E+00	0.163E+00	0.000E+00	0.000E+00	0.000E+00
N2C	0.163E+00	0.163E+00	0.163E+00	0.000E+00	0.000E+00	0.000E+00
N8A	0.163E+00	0.163E+00	0.163E+00	0.000E+00	0.000E+00	0.000E+00
N8B	0.163E+00	0.163E+00	0.163E+00	0.000E+00	0.000E+00	0.000E+00
N8C	0.191E+00	0.191E+00	0.191E+00	0.000E+00	0.000E+00	0.000E+00
N9A	0.191E+00	0.191E+00	0.191E+00	0.000E+00	0.000E+00	0.000E+00
N9B	0.219E+00	0.219E+00	0.219E+00	0.000E+00	0.000E+00	0.000E+00
N9C	0.128E+00	0.128E+00	0.128E+00	0.000E+00	0.000E+00	0.000E+00
P10	0.169E+01	0.169E+01	0.169E+01	0.000E+00	0.000E+00	0.000E+00

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 8
PROGRAM:SAP2000/FILE:\EndBentSeismic.EKO

J O I N T S P R I N G S

JOINT						
1	U1	U2	U3	R1	R2	R3
R2					0.100E+01	0.000E+00
JOINT						
2	U1	U2	U3	R1	R2	R3
R2					0.100E+01	0.000E+00
JOINT						
D2	U1	U2	U3	R1	R2	R3
R2					0.100E+01	0.000E+00
JOINT						
D3	U1	U2	U3	R1	R2	R3
R2					0.100E+01	0.000E+00
JOINT						
D4	U1	U2	U3	R1	R2	R3
R2					0.100E+01	0.000E+00
JOINT						
D5	U1	U2	U3	R1	R2	R3
R2					0.100E+01	0.000E+00
JOINT						
D6	U1	U2	U3	R1	R2	R3
R2					0.100E+01	0.000E+00
JOINT						
D7	U1	U2	U3	R1	R2	R3
R2					0.100E+01	0.000E+00
JOINT						

```
   D8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   D9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E5              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   F2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   F3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   F8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   F9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   G2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   G3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00
```

```
JOINT
   G4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   G5              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   G6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   G7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   G8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   G9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   H2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   H3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   H8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   H9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   I1              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   I2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   I3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   I4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   I5              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   I6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00
```

```
JOINT
   I7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   I8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   I9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   J1              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   J2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   J3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   J8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   J9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K1              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K5              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K8              U1         U2         U3         R1         R2         R3
```

```
        R2                                                  0.100E+01  0.000E+00

JOINT
   K9              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   L1              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   L2              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   L3              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   L8              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   L9              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   M1              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   M2              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   M3              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   M4              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   M5              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   M6              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   M7              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   M8              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   M9              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
```

```
   N1              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   N2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   N3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   N8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   N9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   O4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   O7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P1              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P5              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00
```

```
JOINT
  E2A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E2B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E3A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E3B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E3C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E4A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E4B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E6A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E6B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E7A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E7B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E7C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E8A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E8B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G2A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G2B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00
```

```
JOINT
  G2C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G3A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G3B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G3C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G4A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G6A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G7A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G7B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G7C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G8A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G8B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G8C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I10              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I1A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I2A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I2B              U1         U2         U3         R1         R2         R3
```

```
        R2                                                  0.100E+01  0.000E+00

JOINT
  I2C               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  I3A               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  I3B               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  I3C               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  I4A               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  I6A               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  I7A               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  I7B               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  I7C               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  I8A               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  I8B               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  I8C               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  I9A               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  J10               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  K10               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
```

```
  K1A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K1B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K2A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K2B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K2C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K3A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K3B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K7A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K7B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K8A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K8B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K8C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K9A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K9B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  L10              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  L5A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00
```

```
JOINT
  M10              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  M3A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  M7A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N10              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N1A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N1B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N1C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N2A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N2B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N2C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N8A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N8B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N8C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N9A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N9B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N9C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00
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   JOINT
     P10              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

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 M A T E R I A L   P R O P E R T Y   D A T A

     MAT    NUMBER     WEIGHT PER       MASS PER    DESIGN
   LABEL     TEMPS       UNIT VOL       UNIT VOL      CODE

   STEEL         1     0.2830E+00     0.7324E-03         S
    CONC         1     0.8680E-01     0.2246E-03         C
   OTHER         1     0.8680E-01     0.2246E-03         N
    WOOD         1     0.1852E-01     0.4793E-04         N

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 T E M P E R A T U R E   D E P E N D E N T   D A T A

 MATERIAL PROPERTIES

     MAT      TEMP         MODULUS OF ELASTICITY          SHEAR MODULII
   LABEL                  E1        E2        E3       G12       G13       G23

   STEEL      0.00 0.290E+08 0.290E+08 0.290E+08 0.112E+08 0.112E+08 0.112E+08

    CONC      0.00 0.360E+07 0.360E+07 0.360E+07 0.150E+07 0.150E+07 0.150E+07

   OTHER      0.00 0.360E+07 0.360E+07 0.360E+07 0.150E+07 0.150E+07 0.150E+07

    WOOD      0.00 0.140E+07 0.140E+07 0.140E+07 0.538E+06 0.538E+06 0.538E+06

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 T E M P E R A T U R E   D E P E N D E N T   D A T A

 THERMAL EXPANSION COEFFICIENTS

     MAT      TEMP            COEFFICIENTS OF THERMAL EXPANSION
   LABEL                  A1        A2        A3       A12       A13       A23

   STEEL      0.00 0.650E-05 0.650E-05 0.650E-05 0.000E+00 0.000E+00 0.000E+00

    CONC      0.00 0.550E-05 0.550E-05 0.550E-05 0.000E+00 0.000E+00 0.000E+00

   OTHER      0.00 0.550E-05 0.550E-05 0.550E-05 0.000E+00 0.000E+00 0.000E+00

    WOOD      0.00 0.650E-05 0.650E-05 0.650E-05 0.000E+00 0.000E+00 0.000E+00

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T E M P E R A T U R E D E P E N D E N T D A T A

MATERIAL PROPERTIES

MAT LABEL	TEMP	U12	U13	U23	U14	U24	U34	U15	U25	U35	U45	U16	U26	U36	U46	U56
		POISSONS RATIO														
STEEL	0.00	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CONC	0.00	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER	0.00	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WOOD	0.00	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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MATERIAL PROPERTIES

MAT LABEL	TEMP	YIELD FY
CONC	0.00	36.00

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	SHAPE TYPE	DEPTH	FLANGE WIDTH TOP	FLANGE THICK TOP	WEB THICK	FLANGE WIDTH BOTTOM	FLANGE THICK BOTTOM
2X4	R	3.500	1.500				
4X4	R	3.500	3.500				
2X6	R	5.500	1.500				
2X4X4	R	7.000	3.500				
2X2X4	R	3.500	3.000				

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	AXIAL AREA	TORSIONAL CONSTANT	MOMENTS OF INERTIA I33	I22	SHEAR AREAS A2	A3
2X4	0.525E+01	0.288E+01	0.536E+01	0.984E+00	0.438E+01	0.438E+01
4X4	0.123E+02	0.211E+02	0.125E+02	0.125E+02	0.102E+02	0.102E+02
2X6	0.825E+01	0.512E+01	0.208E+02	0.155E+01	0.688E+01	0.688E+01
2X4X4	0.245E+02	0.687E+02	0.100E+03	0.250E+02	0.204E+02	0.204E+02
2X2X4	0.105E+02	0.153E+02	0.107E+02	0.788E+01	0.875E+01	0.875E+01

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	MAT LABEL	ADDITIONAL MASS PER LENGTH	ADDITIONAL WEIGHT PER LENGTH
2X4	WOOD	0.000E+00	0.000E+00
4X4	WOOD	0.000E+00	0.000E+00
2X6	WOOD	0.000E+00	0.000E+00
2X4X4	WOOD	0.000E+00	0.000E+00
2X2X4	WOOD	0.000E+00	0.000E+00

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F R A M E E L E M E N T D A T A

ELEMENT LABEL	JOINT END-I	JOINT END-J	ELEMENT LENGTH	END-OFFSET-LENGTHS END-I	END-J	RIGID-END FACTOR	NUMBER OF SEGMENTS
1	N1	P1	91.522	0.000	0.000	0.0000	2
2	N1	N1A	6.000	0.000	0.000	0.0000	4
3	M1	N1	35.588	0.000	0.000	0.0000	2
4	L1	M1	49.604	0.000	0.000	0.0000	2
5	N1A	N1B	24.000	0.000	0.000	0.0000	4
6	P1	P2	94.625	0.000	0.000	0.0000	4
7	K1	L1	49.604	0.000	0.000	0.0000	2
8	K1	K1A	4.000	0.000	0.000	0.0000	4
9	J1	K1	49.604	0.000	0.000	0.0000	2
10	M1	M2	62.562	0.000	0.000	0.0000	4
11	N1B	N1C	24.000	0.000	0.000	0.0000	4
12	L1	L2	50.050	0.000	0.000	0.0000	4
13	I1	J1	49.604	0.000	0.000	0.0000	2
14	K1A	K1B	24.000	0.000	0.000	0.0000	4
15	J1	J2	25.025	0.000	0.000	0.0000	4
16	I1	I1A	4.000	0.000	0.000	0.0000	4
17	H2	I1	49.604	0.000	0.000	0.0000	2
18	N1C	N2	17.539	0.000	0.000	0.0000	4
19	I1A	I2	8.512	0.000	0.000	0.0000	4
20	K1B	K2	9.537	0.000	0.000	0.0000	4
21	D2	E2	15.750	0.000	0.000	0.0000	2
22	E2	F2	32.750	0.000	0.000	0.0000	2
23	F2	G2	48.000	0.000	0.000	0.0000	2
24	G2	H2	48.000	0.000	0.000	0.0000	2
25	H2	I2	48.000	0.000	0.000	0.0000	2
26	I2	J2	48.000	0.000	0.000	0.0000	2
27	J2	K2	48.000	0.000	0.000	0.0000	2
28	K2	L2	48.000	0.000	0.000	0.0000	2
29	L2	M2	48.000	0.000	0.000	0.0000	2
30	M2	N2	34.437	0.000	0.000	0.0000	2
31	N2	P2	88.563	0.000	0.000	0.0000	2
32	G2	G2A	15.000	0.000	0.000	0.0000	4
33	N2	N2A	6.461	0.000	0.000	0.0000	4
34	I2	I2A	15.488	0.000	0.000	0.0000	4
35	K2	K2A	14.463	0.000	0.000	0.0000	4
36	E2	E2A	36.000	0.000	0.000	0.0000	4
37	M2	1	39.906	0.000	0.000	0.0000	2

38	N2	1	39.906	0.000	0.000	0.0000	2
39	G2A	G2B	24.000	0.000	0.000	0.0000	4
40	N2A	N2B	24.000	0.000	0.000	0.0000	4
41	I2A	I2B	24.000	0.000	0.000	0.0000	4
42	K2A	K2B	24.000	0.000	0.000	0.0000	4
43	E3	F2	79.098	0.000	0.000	0.0000	2
44	D2	G3	120.400	0.000	0.000	0.0000	2
45	F2	F3	72.000	0.000	0.000	0.0000	4
46	G2	H3	86.533	0.000	0.000	0.0000	2
47	H2	H3	72.000	0.000	0.000	0.0000	4
48	I2	J3	86.533	0.000	0.000	0.0000	2
49	J2	J3	72.000	0.000	0.000	0.0000	4
50	K2	L3	86.533	0.000	0.000	0.0000	2
51	L2	L3	72.000	0.000	0.000	0.0000	4
52	M2	M3	72.000	0.000	0.000	0.0000	4
53	P2	P3	72.000	0.000	0.000	0.0000	4
54	E2A	E2B	24.000	0.000	0.000	0.0000	4
55	G2B	G2C	24.000	0.000	0.000	0.0000	4
56	N2B	N2C	24.000	0.000	0.000	0.0000	4
57	I2B	I2C	24.000	0.000	0.000	0.0000	4
58	1	M3	39.906	0.000	0.000	0.0000	2
59	1	N3	39.906	0.000	0.000	0.0000	2
60	K2B	K2C	24.000	0.000	0.000	0.0000	4
61	E2B	E3	12.000	0.000	0.000	0.0000	4
62	G2C	G3	9.000	0.000	0.000	0.0000	4
63	N2C	N3	17.539	0.000	0.000	0.0000	4
64	I2C	I3	8.512	0.000	0.000	0.0000	4
65	K2C	K3	9.537	0.000	0.000	0.0000	4
66	D3	E3	15.750	0.000	0.000	0.0000	2
67	E3	F3	32.750	0.000	0.000	0.0000	2
68	F3	G3	48.000	0.000	0.000	0.0000	2
69	G3	H3	48.000	0.000	0.000	0.0000	2
70	H3	I3	48.000	0.000	0.000	0.0000	2
71	I3	J3	48.000	0.000	0.000	0.0000	2
72	J3	K3	48.000	0.000	0.000	0.0000	2
73	K3	L3	48.000	0.000	0.000	0.0000	2
74	L3	M3	48.000	0.000	0.000	0.0000	2
75	M3	N3	34.437	0.000	0.000	0.0000	2
76	N3	P3	88.563	0.000	0.000	0.0000	2
77	E3	E3A	12.000	0.000	0.000	0.0000	4
78	G3	G3A	15.000	0.000	0.000	0.0000	4
79	I3	I3A	15.488	0.000	0.000	0.0000	4
80	K3	K3A	14.463	0.000	0.000	0.0000	4
81	E3A	E3B	24.000	0.000	0.000	0.0000	4
82	G3A	G3B	24.000	0.000	0.000	0.0000	4
83	I3A	I3B	24.000	0.000	0.000	0.0000	4
84	G3	I4	120.000	0.000	0.000	0.0000	2
86	P3	P4	72.000	0.000	0.000	0.0000	4
87	E3B	E3C	24.000	0.000	0.000	0.0000	4
88	M3	M3A	24.000	0.000	0.000	0.0000	4
89	G3B	G3C	24.000	0.000	0.000	0.0000	4
90	I3B	I3C	24.000	0.000	0.000	0.0000	4
91	E3C	E4	12.000	0.000	0.000	0.0000	4
92	G3C	G4	9.000	0.000	0.000	0.0000	4
93	I3C	I4	8.512	0.000	0.000	0.0000	4
94	D4	E4	15.750	0.000	0.000	0.0000	2
95	E4	G4	80.750	0.000	0.000	0.0000	2
96	G4	I4	96.000	0.000	0.000	0.0000	2
97	I4	K4	96.000	0.000	0.000	0.0000	2
98	K4	M4	96.000	0.000	0.000	0.0000	2
99	M4	O4	110.000	0.000	0.000	0.0000	2
100	O4	P4	13.000	0.000	0.000	0.0000	2
101	E4	E4A	12.000	0.000	0.000	0.0000	4

102	I4	I4A	12.000	0.000	0.000	0.0000	4
103	G4	G4A	26.000	0.000	0.000	0.0000	4
104	E4A	E4B	30.000	0.000	0.000	0.0000	4
105	I4	K5	120.000	0.000	0.000	0.0000	2
106	K4	K5	72.000	0.000	0.000	0.0000	4
107	M4	M5	72.000	0.000	0.000	0.0000	4
108	M5	O4	131.469	0.000	0.000	0.0000	2
109	P4	P5	72.000	0.000	0.000	0.0000	4
110	I4A	I5	60.000	0.000	0.000	0.0000	4
111	G4A	G5	46.000	0.000	0.000	0.0000	4
112	E4B	E5	30.000	0.000	0.000	0.0000	4
113	D5	E5	15.750	0.000	0.000	0.0000	2
114	E5	G5	80.750	0.000	0.000	0.0000	2
115	G5	I5	96.000	0.000	0.000	0.0000	2
116	I5	K5	96.000	0.000	0.000	0.0000	2
117	K5	M5	96.000	0.000	0.000	0.0000	2
118	M5	P5	123.000	0.000	0.000	0.0000	2
119	K5	L5A	60.000	0.000	0.000	0.0000	2
120	L5A	M5	60.000	0.000	0.000	0.0000	2
121	E5	E6	72.000	0.000	0.000	0.0000	4
122	G5	G6	72.000	0.000	0.000	0.0000	4
123	I5	I6	72.000	0.000	0.000	0.0000	4
124	K5	K6	72.000	0.000	0.000	0.0000	4
125	M5	M6	72.000	0.000	0.000	0.0000	4
126	P5	P6	72.000	0.000	0.000	0.0000	4
127	K6	L5A	60.000	0.000	0.000	0.0000	2
128	L5A	M6	60.000	0.000	0.000	0.0000	2
129	D6	E6	15.750	0.000	0.000	0.0000	2
130	E6	G6	80.750	0.000	0.000	0.0000	2
131	G6	I6	96.000	0.000	0.000	0.0000	2
132	I6	K6	96.000	0.000	0.000	0.0000	2
133	K6	M6	96.000	0.000	0.000	0.0000	2
134	M6	P6	123.000	0.000	0.000	0.0000	2
135	E6	E6A	30.000	0.000	0.000	0.0000	4
136	G6	G6A	46.000	0.000	0.000	0.0000	4
137	K3A	K3B	31.000	0.000	0.000	0.0000	4
138	I7	K6	120.000	0.000	0.000	0.0000	2
139	K6	K7	72.000	0.000	0.000	0.0000	4
140	M6	M7	72.000	0.000	0.000	0.0000	4
141	M6	O7	131.469	0.000	0.000	0.0000	2
142	P6	P7	72.000	0.000	0.000	0.0000	4
143	E6A	E6B	30.000	0.000	0.000	0.0000	4
144	G6A	G7	26.000	0.000	0.000	0.0000	4
145	E6B	E7	12.000	0.000	0.000	0.0000	4
146	D7	E7	15.750	0.000	0.000	0.0000	2
147	E7	G7	80.750	0.000	0.000	0.0000	2
148	G7	I7	96.000	0.000	0.000	0.0000	2
149	I7	K7	96.000	0.000	0.000	0.0000	2
150	K7	M7	96.000	0.000	0.000	0.0000	2
151	M7	O7	110.000	0.000	0.000	0.0000	2
152	O7	P7	13.000	0.000	0.000	0.0000	2
153	G7	G7A	9.000	0.000	0.000	0.0000	4
154	E7	E7A	12.000	0.000	0.000	0.0000	4
155	G7A	G7B	24.000	0.000	0.000	0.0000	4
156	M3A	M4	48.000	0.000	0.000	0.0000	4
157	K3B	K4	26.537	0.000	0.000	0.0000	4
158	E7A	E7B	24.000	0.000	0.000	0.0000	4
159	G8	I7	120.000	0.000	0.000	0.0000	2
161	P7	P8	72.000	0.000	0.000	0.0000	4
162	G7B	G7C	24.000	0.000	0.000	0.0000	4
163	E7B	E7C	24.000	0.000	0.000	0.0000	4
164	K7B	K8	14.463	0.000	0.000	0.0000	4
165	I7C	I8	15.488	0.000	0.000	0.0000	4

166	G7C	G8	15.000	0.000	0.000	0.0000	4
167	E7C	E8	12.000	0.000	0.000	0.0000	4
168	D8	E8	15.750	0.000	0.000	0.0000	2
169	E8	F8	32.750	0.000	0.000	0.0000	2
170	F8	G8	48.000	0.000	0.000	0.0000	2
171	G8	H8	48.000	0.000	0.000	0.0000	2
172	H8	I8	48.000	0.000	0.000	0.0000	2
173	I8	J8	48.000	0.000	0.000	0.0000	2
174	J8	K8	48.000	0.000	0.000	0.0000	2
175	K8	L8	48.000	0.000	0.000	0.0000	2
176	L8	M8	48.000	0.000	0.000	0.0000	2
177	M8	N8	34.437	0.000	0.000	0.0000	2
178	N8	P8	88.563	0.000	0.000	0.0000	2
179	K8	K8A	9.537	0.000	0.000	0.0000	4
180	I8	I8A	8.512	0.000	0.000	0.0000	4
181	N8	N8A	17.539	0.000	0.000	0.0000	4
182	G8	G8A	9.000	0.000	0.000	0.0000	4
183	E8	E8A	12.000	0.000	0.000	0.0000	4
184	K8A	K8B	24.000	0.000	0.000	0.0000	4
185	M8	2	39.906	0.000	0.000	0.0000	2
186	N8	2	39.906	0.000	0.000	0.0000	2
187	I8A	I8B	24.000	0.000	0.000	0.0000	4
188	N8A	N8B	24.000	0.000	0.000	0.0000	4
189	G8A	G8B	24.000	0.000	0.000	0.0000	4
190	E8A	E8B	24.000	0.000	0.000	0.0000	4
191	E8	F9	79.098	0.000	0.000	0.0000	2
192	D9	G8	120.400	0.000	0.000	0.0000	2
193	F8	F9	72.000	0.000	0.000	0.0000	4
194	H8	G9	86.533	0.000	0.000	0.0000	2
195	H8	H9	72.000	0.000	0.000	0.0000	4
196	J8	I9	86.533	0.000	0.000	0.0000	2
197	J8	J9	72.000	0.000	0.000	0.0000	4
198	L8	K9	86.533	0.000	0.000	0.0000	2
199	L8	L9	72.000	0.000	0.000	0.0000	4
200	M8	M9	72.000	0.000	0.000	0.0000	4
201	P8	P9	72.000	0.000	0.000	0.0000	4
202	K8B	K8C	24.000	0.000	0.000	0.0000	4
203	I8B	I8C	24.000	0.000	0.000	0.0000	4
204	N8B	N8C	24.000	0.000	0.000	0.0000	4
205	G8B	G8C	24.000	0.000	0.000	0.0000	4
206	2	M9	39.906	0.000	0.000	0.0000	2
207	2	N9	39.906	0.000	0.000	0.0000	2
208	E8B	E9	36.000	0.000	0.000	0.0000	4
209	K8C	K9	14.463	0.000	0.000	0.0000	4
210	I8C	I9	15.488	0.000	0.000	0.0000	4
211	N8C	N9	6.461	0.000	0.000	0.0000	4
212	G8C	G9	15.000	0.000	0.000	0.0000	4
213	D9	E9	15.750	0.000	0.000	0.0000	2
214	E9	F9	32.750	0.000	0.000	0.0000	2
215	F9	G9	48.000	0.000	0.000	0.0000	2
216	G9	H9	48.000	0.000	0.000	0.0000	2
217	H9	I9	48.000	0.000	0.000	0.0000	2
218	I9	J9	48.000	0.000	0.000	0.0000	2
219	J9	K9	48.000	0.000	0.000	0.0000	2
220	K9	L9	48.000	0.000	0.000	0.0000	2
221	L9	M9	48.000	0.000	0.000	0.0000	2
222	M9	N9	34.437	0.000	0.000	0.0000	2
223	N9	P9	88.563	0.000	0.000	0.0000	2
224	K9	K9A	9.537	0.000	0.000	0.0000	4
225	I9	I9A	8.512	0.000	0.000	0.0000	4
226	H9	I10	49.604	0.000	0.000	0.0000	2
227	N9	N9A	17.539	0.000	0.000	0.0000	4
228	I9A	I10	4.000	0.000	0.000	0.0000	4

229	J9	J10	25.025	0.000	0.000	0.0000	4
230	K9A	K9B	24.000	0.000	0.000	0.0000	4
231	I10	J10	49.604	0.000	0.000	0.0000	2
232	L9	L10	50.050	0.000	0.000	0.0000	4
233	N9A	N9B	24.000	0.000	0.000	0.0000	4
234	J10	K10	49.604	0.000	0.000	0.0000	2
235	M9	M10	62.562	0.000	0.000	0.0000	4
236	K9B	K10	4.000	0.000	0.000	0.0000	4
237	K10	L10	49.604	0.000	0.000	0.0000	2
238	N9B	N9C	24.000	0.000	0.000	0.0000	4
239	P9	P10	94.625	0.000	0.000	0.0000	4
240	L10	M10	49.604	0.000	0.000	0.0000	2
241	M10	N10	35.588	0.000	0.000	0.0000	2
242	N9C	N10	6.000	0.000	0.000	0.0000	4
243	N10	P10	91.522	0.000	0.000	0.0000	2
244	I7	I7A	8.512	0.000	0.000	0.0000	4
245	I7A	I7B	24.000	0.000	0.000	0.0000	4
246	I7B	I7C	24.000	0.000	0.000	0.0000	4
247	K7	K7A	26.537	0.000	0.000	0.0000	4
248	K7A	K7B	31.000	0.000	0.000	0.0000	4
249	M7	M7A	48.000	0.000	0.000	0.0000	4
250	M7A	M8	24.000	0.000	0.000	0.0000	4
251	I6	I6A	60.000	0.000	0.000	0.0000	4
252	I6A	I7	12.000	0.000	0.000	0.0000	4

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 18
PROGRAM:SAP2000/FILE:\EndBentSeismic.EKO

F R A M E E L E M E N T D A T A

ELEMENT LABEL	SECTION LABEL	LOCAL PLANE	COORD SYSTEM	PLN 1ST	PLN 2ND	PLANE JOINTA	PLANE JOINTB	COORD ANGLE
1	2X2X4	12	0	+Z	+X	0	0	0.00
2	2X6	12	0	+Z	+X	0	0	0.00
3	2X2X4	12	0	+Z	+X	0	0	0.00
4	2X2X4	12	0	+Z	+X	0	0	0.00
5	2X6	12	0	+Z	+X	0	0	0.00
6	2X6	12	0	+Z	+X	0	0	0.00
7	2X2X4	12	0	+Z	+X	0	0	0.00
8	2X4	12	0	+Z	+X	0	0	0.00
9	2X2X4	12	0	+Z	+X	0	0	0.00
10	2X4	12	0	+Z	+X	0	0	0.00
11	2X6	12	0	+Z	+X	0	0	0.00
12	2X4	12	0	+Z	+X	0	0	0.00
13	2X2X4	12	0	+Z	+X	0	0	0.00
14	2X4	12	0	+Z	+X	0	0	0.00
15	2X4	12	0	+Z	+X	0	0	0.00
16	2X4	12	0	+Z	+X	0	0	0.00
17	2X2X4	12	0	+Z	+X	0	0	0.00
18	2X6	12	0	+Z	+X	0	0	0.00
19	2X4	12	0	+Z	+X	0	0	0.00
20	2X4	12	0	+Z	+X	0	0	0.00
21	2X4X4	12	0	+Z	+X	0	0	0.00
22	2X4X4	12	0	+Z	+X	0	0	0.00
23	2X4X4	12	0	+Z	+X	0	0	0.00
24	2X4X4	12	0	+Z	+X	0	0	0.00
25	4X4	12	0	+Z	+X	0	0	0.00
26	4X4	12	0	+Z	+X	0	0	0.00
27	4X4	12	0	+Z	+X	0	0	0.00
28	4X4	12	0	+Z	+X	0	0	0.00

29	4X4	12	0	+Z	+X	0	0	0.00
30	4X4	12	0	+Z	+X	0	0	0.00
31	4X4	12	0	+Z	+X	0	0	0.00
32	2X4	12	0	+Z	+X	0	0	0.00
33	2X6	12	0	+Z	+X	0	0	0.00
34	2X4	12	0	+Z	+X	0	0	0.00
35	2X4	12	0	+Z	+X	0	0	0.00
36	2X4	12	0	+Z	+X	0	0	0.00
37	4X4	12	0	+Z	+X	0	0	0.00
38	4X4	12	0	+Z	+X	0	0	0.00
39	2X4	12	0	+Z	+X	0	0	0.00
40	2X6	12	0	+Z	+X	0	0	0.00
41	2X4	12	0	+Z	+X	0	0	0.00
42	2X4	12	0	+Z	+X	0	0	0.00
43	2X4	12	0	+Z	+X	0	0	0.00
44	4X4	12	0	+Z	+X	0	0	0.00
45	2X4	12	0	+Z	+X	0	0	0.00
46	2X4	12	0	+Z	+X	0	0	0.00
47	2X4	12	0	+Z	+X	0	0	0.00
48	2X4	12	0	+Z	+X	0	0	0.00
49	2X4	12	0	+Z	+X	0	0	0.00
50	2X4	12	0	+Z	+X	0	0	0.00
51	2X4	12	0	+Z	+X	0	0	0.00
52	2X4	12	0	+Z	+X	0	0	0.00
53	2X6	12	0	+Z	+X	0	0	0.00
54	2X4	12	0	+Z	+X	0	0	0.00
55	2X4	12	0	+Z	+X	0	0	0.00
56	2X6	12	0	+Z	+X	0	0	0.00
57	2X4	12	0	+Z	+X	0	0	0.00
58	4X4	12	0	+Z	+X	0	0	0.00
59	4X4	12	0	+Z	+X	0	0	0.00
60	2X4	12	0	+Z	+X	0	0	0.00
61	2X4	12	0	+Z	+X	0	0	0.00
62	2X4	12	0	+Z	+X	0	0	0.00
63	2X6	12	0	+Z	+X	0	0	0.00
64	2X4	12	0	+Z	+X	0	0	0.00
65	2X4	12	0	+Z	+X	0	0	0.00
66	4X4	12	0	+Z	+X	0	0	0.00
67	4X4	12	0	+Z	+X	0	0	0.00
68	4X4	12	0	+Z	+X	0	0	0.00
69	4X4	12	0	+Z	+X	0	0	0.00
70	4X4	12	0	+Z	+X	0	0	0.00
71	4X4	12	0	+Z	+X	0	0	0.00
72	4X4	12	0	+Z	+X	0	0	0.00
73	4X4	12	0	+Z	+X	0	0	0.00
74	4X4	12	0	+Z	+X	0	0	0.00
75	4X4	12	0	+Z	+X	0	0	0.00
76	4X4	12	0	+Z	+X	0	0	0.00
77	2X4	12	0	+Z	+X	0	0	0.00
78	2X4	12	0	+Z	+X	0	0	0.00
79	2X4	12	0	+Z	+X	0	0	0.00
80	2X4	12	0	+Z	+X	0	0	0.00
81	2X4	12	0	+Z	+X	0	0	0.00
82	2X4	12	0	+Z	+X	0	0	0.00
83	2X4	12	0	+Z	+X	0	0	0.00
84	4X4	12	0	+Z	+X	0	0	0.00
86	2X6	12	0	+Z	+X	0	0	0.00
87	2X4	12	0	+Z	+X	0	0	0.00
88	2X4	12	0	+Z	+X	0	0	0.00
89	2X4	12	0	+Z	+X	0	0	0.00
90	2X4	12	0	+Z	+X	0	0	0.00
91	2X4	12	0	+Z	+X	0	0	0.00
92	2X4	12	0	+Z	+X	0	0	0.00

93	2X4	12	0	+Z	+X	0	0	0.00
94	4X4	12	0	+Z	+X	0	0	0.00
95	4X4	12	0	+Z	+X	0	0	0.00
96	4X4	12	0	+Z	+X	0	0	0.00
97	4X4	12	0	+Z	+X	0	0	0.00
98	4X4	12	0	+Z	+X	0	0	0.00
99	4X4	12	0	+Z	+X	0	0	0.00
100	4X4	12	0	+Z	+X	0	0	0.00
101	2X4	12	0	+Z	+X	0	0	0.00
102	2X4	12	0	+Z	+X	0	0	0.00
103	2X4	12	0	+Z	+X	0	0	0.00
104	2X4	12	0	+Z	+X	0	0	0.00
105	4X4	12	0	+Z	+X	0	0	0.00
106	2X4	12	0	+Z	+X	0	0	0.00
107	2X4	12	0	+Z	+X	0	0	0.00
108	4X4	12	0	+Z	+X	0	0	0.00
109	2X6	12	0	+Z	+X	0	0	0.00
110	2X4	12	0	+Z	+X	0	0	0.00
111	2X4	12	0	+Z	+X	0	0	0.00
112	2X4	12	0	+Z	+X	0	0	0.00
113	4X4	12	0	+Z	+X	0	0	0.00
114	4X4	12	0	+Z	+X	0	0	0.00
115	4X4	12	0	+Z	+X	0	0	0.00
116	4X4	12	0	+Z	+X	0	0	0.00
117	4X4	12	0	+Z	+X	0	0	0.00
118	4X4	12	0	+Z	+X	0	0	0.00
119	4X4	12	0	+Z	+X	0	0	0.00
120	4X4	12	0	+Z	+X	0	0	0.00
121	2X4	12	0	+Z	+X	0	0	0.00
122	2X4	12	0	+Z	+X	0	0	0.00
123	2X4	12	0	+Z	+X	0	0	0.00
124	2X4	12	0	+Z	+X	0	0	0.00
125	2X4	12	0	+Z	+X	0	0	0.00
126	2X6	12	0	+Z	+X	0	0	0.00
127	4X4	12	0	+Z	+X	0	0	0.00
128	4X4	12	0	+Z	+X	0	0	0.00
129	4X4	12	0	+Z	+X	0	0	0.00
130	4X4	12	0	+Z	+X	0	0	0.00
131	4X4	12	0	+Z	+X	0	0	0.00
132	4X4	12	0	+Z	+X	0	0	0.00
133	4X4	12	0	+Z	+X	0	0	0.00
134	4X4	12	0	+Z	+X	0	0	0.00
135	2X4	12	0	+Z	+X	0	0	0.00
136	2X4	12	0	+Z	+X	0	0	0.00
137	2X4	12	0	+Z	+X	0	0	0.00
138	4X4	12	0	+Z	+X	0	0	0.00
139	2X4	12	0	+Z	+X	0	0	0.00
140	2X4	12	0	+Z	+X	0	0	0.00
141	4X4	12	0	+Z	+X	0	0	0.00
142	2X6	12	0	+Z	+X	0	0	0.00
143	2X4	12	0	+Z	+X	0	0	0.00
144	2X4	12	0	+Z	+X	0	0	0.00
145	2X4	12	0	+Z	+X	0	0	0.00
146	4X4	12	0	+Z	+X	0	0	0.00
147	4X4	12	0	+Z	+X	0	0	0.00
148	4X4	12	0	+Z	+X	0	0	0.00
149	4X4	12	0	+Z	+X	0	0	0.00
150	4X4	12	0	+Z	+X	0	0	0.00
151	4X4	12	0	+Z	+X	0	0	0.00
152	4X4	12	0	+Z	+X	0	0	0.00
153	2X4	12	0	+Z	+X	0	0	0.00
154	2X4	12	0	+Z	+X	0	0	0.00
155	2X4	12	0	+Z	+X	0	0	0.00

156	2X4	12	0	+Z	+X	0	0	0.00
157	2X4	12	0	+Z	+X	0	0	0.00
158	2X4	12	0	+Z	+X	0	0	0.00
159	4X4	12	0	+Z	+X	0	0	0.00
161	2X6	12	0	+Z	+X	0	0	0.00
162	2X4	12	0	+Z	+X	0	0	0.00
163	2X4	12	0	+Z	+X	0	0	0.00
164	2X4	12	0	+Z	+X	0	0	0.00
165	2X4	12	0	+Z	+X	0	0	0.00
166	2X4	12	0	+Z	+X	0	0	0.00
167	2X4	12	0	+Z	+X	0	0	0.00
168	4X4	12	0	+Z	+X	0	0	0.00
169	4X4	12	0	+Z	+X	0	0	0.00
170	4X4	12	0	+Z	+X	0	0	0.00
171	4X4	12	0	+Z	+X	0	0	0.00
172	4X4	12	0	+Z	+X	0	0	0.00
173	4X4	12	0	+Z	+X	0	0	0.00
174	4X4	12	0	+Z	+X	0	0	0.00
175	4X4	12	0	+Z	+X	0	0	0.00
176	4X4	12	0	+Z	+X	0	0	0.00
177	4X4	12	0	+Z	+X	0	0	0.00
178	4X4	12	0	+Z	+X	0	0	0.00
179	2X4	12	0	+Z	+X	0	0	0.00
180	2X4	12	0	+Z	+X	0	0	0.00
181	2X6	12	0	+Z	+X	0	0	0.00
182	2X4	12	0	+Z	+X	0	0	0.00
183	2X4	12	0	+Z	+X	0	0	0.00
184	2X4	12	0	+Z	+X	0	0	0.00
185	4X4	12	0	+Z	+X	0	0	0.00
186	4X4	12	0	+Z	+X	0	0	0.00
187	2X4	12	0	+Z	+X	0	0	0.00
188	2X6	12	0	+Z	+X	0	0	0.00
189	2X4	12	0	+Z	+X	0	0	0.00
190	2X4	12	0	+Z	+X	0	0	0.00
191	2X4	12	0	+Z	+X	0	0	0.00
192	4X4	12	0	+Z	+X	0	0	0.00
193	2X4	12	0	+Z	+X	0	0	0.00
194	2X4	12	0	+Z	+X	0	0	0.00
195	2X4	12	0	+Z	+X	0	0	0.00
196	2X4	12	0	+Z	+X	0	0	0.00
197	2X4	12	0	+Z	+X	0	0	0.00
198	2X4	12	0	+Z	+X	0	0	0.00
199	2X4	12	0	+Z	+X	0	0	0.00
200	2X4	12	0	+Z	+X	0	0	0.00
201	2X6	12	0	+Z	+X	0	0	0.00
202	2X4	12	0	+Z	+X	0	0	0.00
203	2X4	12	0	+Z	+X	0	0	0.00
204	2X6	12	0	+Z	+X	0	0	0.00
205	2X4	12	0	+Z	+X	0	0	0.00
206	4X4	12	0	+Z	+X	0	0	0.00
207	4X4	12	0	+Z	+X	0	0	0.00
208	2X4	12	0	+Z	+X	0	0	0.00
209	2X4	12	0	+Z	+X	0	0	0.00
210	2X4	12	0	+Z	+X	0	0	0.00
211	2X6	12	0	+Z	+X	0	0	0.00
212	2X4	12	0	+Z	+X	0	0	0.00
213	2X4X4	12	0	+Z	+X	0	0	0.00
214	2X4X4	12	0	+Z	+X	0	0	0.00
215	2X4X4	12	0	+Z	+X	0	0	0.00
216	2X4X4	12	0	+Z	+X	0	0	0.00
217	4X4	12	0	+Z	+X	0	0	0.00
218	4X4	12	0	+Z	+X	0	0	0.00
219	4X4	12	0	+Z	+X	0	0	0.00

220	4X4	12	0	+Z	+X	0	0	0.00
221	4X4	12	0	+Z	+X	0	0	0.00
222	4X4	12	0	+Z	+X	0	0	0.00
223	4X4	12	0	+Z	+X	0	0	0.00
224	2X4	12	0	+Z	+X	0	0	0.00
225	2X4	12	0	+Z	+X	0	0	0.00
226	2X2X4	12	0	+Z	+X	0	0	0.00
227	2X6	12	0	+Z	+X	0	0	0.00
228	2X4	12	0	+Z	+X	0	0	0.00
229	2X4	12	0	+Z	+X	0	0	0.00
230	2X4	12	0	+Z	+X	0	0	0.00
231	2X2X4	12	0	+Z	+X	0	0	0.00
232	2X4	12	0	+Z	+X	0	0	0.00
233	2X6	12	0	+Z	+X	0	0	0.00
234	2X2X4	12	0	+Z	+X	0	0	0.00
235	2X4	12	0	+Z	+X	0	0	0.00
236	2X4	12	0	+Z	+X	0	0	0.00
237	2X2X4	12	0	+Z	+X	0	0	0.00
238	2X6	12	0	+Z	+X	0	0	0.00
239	2X6	12	0	+Z	+X	0	0	0.00
240	2X2X4	12	0	+Z	+X	0	0	0.00
241	2X2X4	12	0	+Z	+X	0	0	0.00
242	2X6	12	0	+Z	+X	0	0	0.00
243	2X2X4	12	0	+Z	+X	0	0	0.00
244	2X4	12	0	+Z	+X	0	0	0.00
245	2X4	12	0	+Z	+X	0	0	0.00
246	2X4	12	0	+Z	+X	0	0	0.00
247	2X4	12	0	+Z	+X	0	0	0.00
248	2X4	12	0	+Z	+X	0	0	0.00
249	2X4	12	0	+Z	+X	0	0	0.00
250	2X4	12	0	+Z	+X	0	0	0.00
251	2X4	12	0	+Z	+X	0	0	0.00
252	2X4	12	0	+Z	+X	0	0	0.00

F R A M E E L E M E N T D A T A

ELEMENT LABEL	END-I RELEASE CODES		END-J RELEASE CODES	
1	R2	R3	R2	R3
2	R2	R3		
3	R2	R3	R2	R3
4	R2	R3	R2	R3
6	R2	R3	R2	R3
7	R2	R3	R2	R3
8	R2	R3		
9	R2	R3	R2	R3
10	R2	R3	R2	R3
12	R2	R3	R2	R3
13	R2	R3	R2	R3
15	R2	R3	R2	R3
16	R2	R3		
17	R2	R3	R2	R3
18			R2	R3
19			R2	R3
20			R2	R3
21	R2	R3	R2	R3
22	R2	R3		

23			R2	R3
24	R2	R3	R2	R3
25	R2	R3	R2	R3
26	R2	R3	R2	R3
27	R2	R3	R2	R3
28	R2	R3	R2	R3
29	R2	R3	R2	R3
30	R2	R3	R2	R3
31	R2	R3	R2	R3
32	R2	R3		
33	R2	R3		
34	R2	R3		
35	R2	R3		
36	R2	R3		
37	R2	R3	R2	R3
38	R2	R3	R2	R3
43	R2	R3	R2	R3
44	R2	R3	R2	R3
45	R2	R3	R2	R3
46	R2	R3	R2	R3
47	R2	R3	R2	R3
48	R2	R3	R2	R3
49	R2	R3	R2	R3
50	R2	R3	R2	R3
51	R2	R3	R2	R3
52	R2	R3	R2	R3
53	R2	R3	R2	R3
58	R2	R3	R2	R3
59	R2	R3	R2	R3
61			R2	R3
62			R2	R3
63			R2	R3
64			R2	R3
65			R2	R3
66	R2	R3	R2	R3
67	R2	R3		
68			R2	R3
69	R2	R3	R2	R3
70	R2	R3	R2	R3
71	R2	R3	R2	R3
72	R2	R3	R2	R3
73	R2	R3	R2	R3
74	R2	R3	R2	R3
75	R2	R3	R2	R3
76	R2	R3	R2	R3
77	R2	R3		
78	R2	R3		
79	R2	R3		
80	R2	R3		
84	R2	R3	R2	R3
86	R2	R3	R2	R3
88	R2	R3		
91			R2	R3
92			R2	R3
93			R2	R3
94	R2	R3	R2	R3
95	R2	R3	R2	R3
96	R2	R3	R2	R3
97	R2	R3	R2	R3
98	R2	R3	R2	R3
99	R2	R3	R2	R3
100	R2	R3	R2	R3
101	R2	R3		

102	R2	R3		
103	R2	R3		
105	R2	R3	R2	R3
106	R2	R3	R2	R3
107	R2	R3	R2	R3
108	R2	R3	R2	R3
109	R2	R3	R2	R3
110			R2	R3
111			R2	R3
112			R2	R3
113	R2	R3	R2	R3
114	R2	R3	R2	R3
115	R2	R3	R2	R3
116	R2	R3	R2	R3
117	R2	R3	R2	R3
118	R2	R3	R2	R3
119	R2	R3	R2	R3
120	R2	R3	R2	R3
121	R2	R3	R2	R3
122	R2	R3	R2	R3
123	R2	R3	R2	R3
124	R2	R3	R2	R3
125	R2	R3	R2	R3
126	R2	R3	R2	R3
127	R2	R3	R2	R3
128	R2	R3	R2	R3
129	R2	R3	R2	R3
130	R2	R3	R2	R3
131	R2	R3	R2	R3
132	R2	R3	R2	R3
133	R2	R3	R2	R3
134	R2	R3	R2	R3
135	R2	R3		
136	R2	R3		
138	R2	R3	R2	R3
139	R2	R3	R2	R3
140	R2	R3	R2	R3
141	R2	R3	R2	R3
142	R2	R3	R2	R3
144			R2	R3
145			R2	R3
146	R2	R3	R2	R3
147	R2	R3	R2	R3
148	R2	R3	R2	R3
149	R2	R3	R2	R3
150	R2	R3	R2	R3
151	R2	R3	R2	R3
152	R2	R3	R2	R3
153	R2	R3		
154	R2	R3		
156			R2	R3
157			R2	R3
159	R2	R3	R2	R3
161	R2	R3	R2	R3
164			R2	R3
165			R2	R3
166			R2	R3
167			R2	R3
168	R2	R3	R2	R3
169	R2	R3		
170			R2	R3
171	R2	R3	R2	R3
172	R2	R3	R2	R3

173	R2 R3	R2 R3
174	R2 R3	R2 R3
175	R2 R3	R2 R3
176	R2 R3	R2 R3
177	R2 R3	R2 R3
178	R2 R3	R2 R3
179	R2 R3	
180	R2 R3	
181	R2 R3	
182	R2 R3	
183	R2 R3	
185	R2 R3	R2 R3
186	R2 R3	R2 R3
191	R2 R3	R2 R3
192	R2 R3	R2 R3
193	R2 R3	R2 R3
194	R2 R3	R2 R3
195	R2 R3	R2 R3
196	R2 R3	R2 R3
197	R2 R3	R2 R3
198	R2 R3	R2 R3
199	R2 R3	R2 R3
200	R2 R3	R2 R3
201	R2 R3	R2 R3
206	R2 R3	R2 R3
207	R2 R3	R2 R3
208		R2 R3
209		R2 R3
210		R2 R3
211		R2 R3
212		R2 R3
213	R2 R3	R2 R3
214	R2 R3	
215		R2 R3
216	R2 R3	R2 R3
217	R2 R3	R2 R3
218	R2 R3	R2 R3
219	R2 R3	R2 R3
220	R2 R3	R2 R3
221	R2 R3	R2 R3
222	R2 R3	R2 R3
223	R2 R3	R2 R3
224	R2 R3	
225	R2 R3	
226	R2 R3	R2 R3
227	R2 R3	
228		R2 R3
229	R2 R3	R2 R3
231	R2 R3	R2 R3
232	R2 R3	R2 R3
234	R2 R3	R2 R3
235	R2 R3	R2 R3
236		R2 R3
237	R2 R3	R2 R3
239	R2 R3	R2 R3
240	R2 R3	R2 R3
241	R2 R3	R2 R3
242		R2 R3
243	R2 R3	R2 R3
244	R2 R3	
247	R2 R3	
249	R2 R3	
250		R2 R3

```
     251                      R2  R3
     252                                                R2  R3


C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE   20
                                     PROGRAM:SAP2000/FILE:\EndBentSeismic.EKO


 T O T A L   W E I G H T S   A N D   M A S S E S

 SECTION        WEIGHT          MASS
   LABEL

     2X4      403.3525        1.0439
     4X4     1205.4876        3.1198
     2X6      149.7723        0.3876
   2X4X4      131.1204        0.3393
   2X2X4      145.8841        0.3776

   TOTAL     2035.6169        5.2682


C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE   21
                                     PROGRAM:SAP2000/FILE:\EndBentSeismic.EKO


 L O A D   C O N D I T I O N       DEAD

 SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.1000E+01

 L O A D   C O N D I T I O N   MANIFOLD

 SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

 JOINT FORCES IN LOCAL COORDINATES

   JOINT      FORCE      FORCE      FORCE     MOMENT     MOMENT     MOMENT
   LABEL          1          2          3          1          2          3

      N2  0.000E+00  0.000E+00 -0.189E+04  0.000E+00  0.000E+00  0.000E+00
      N3  0.000E+00  0.000E+00 -0.189E+04  0.000E+00  0.000E+00  0.000E+00
      N8  0.000E+00  0.000E+00 -0.189E+04  0.000E+00  0.000E+00  0.000E+00
      N9  0.000E+00  0.000E+00 -0.189E+04  0.000E+00  0.000E+00  0.000E+00

 L O A D   C O N D I T I O N       TBAR

 SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

 JOINT FORCES IN LOCAL COORDINATES

   JOINT      FORCE      FORCE      FORCE     MOMENT     MOMENT     MOMENT
   LABEL          1          2          3          1          2          3

     E2A  0.000E+00  0.000E+00 -0.310E+02  0.000E+00  0.000E+00  0.000E+00
     E2B  0.000E+00  0.000E+00 -0.530E+02  0.000E+00  0.000E+00  0.000E+00
     E3A  0.000E+00  0.000E+00 -0.460E+02  0.000E+00  0.000E+00  0.000E+00
     E3B  0.000E+00  0.000E+00 -0.460E+02  0.000E+00  0.000E+00  0.000E+00
     E3C  0.000E+00  0.000E+00 -0.390E+02  0.000E+00  0.000E+00  0.000E+00
     E4A  0.000E+00  0.000E+00 -0.390E+02  0.000E+00  0.000E+00  0.000E+00
     E6B  0.000E+00  0.000E+00 -0.390E+02  0.000E+00  0.000E+00  0.000E+00
     E7A  0.000E+00  0.000E+00 -0.390E+02  0.000E+00  0.000E+00  0.000E+00
     E7B  0.000E+00  0.000E+00 -0.460E+02  0.000E+00  0.000E+00  0.000E+00
     E7C  0.000E+00  0.000E+00 -0.460E+02  0.000E+00  0.000E+00  0.000E+00
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E8A	0.000E+00	0.000E+00	-0.530E+02	0.000E+00	0.000E+00	0.000E+00
E8B	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
G2A	0.000E+00	0.000E+00	-0.670E+02	0.000E+00	0.000E+00	0.000E+00
G2B	0.000E+00	0.000E+00	-0.116E+03	0.000E+00	0.000E+00	0.000E+00
G2C	0.000E+00	0.000E+00	-0.101E+03	0.000E+00	0.000E+00	0.000E+00
G3A	0.000E+00	0.000E+00	-0.101E+03	0.000E+00	0.000E+00	0.000E+00
G3B	0.000E+00	0.000E+00	-0.860E+02	0.000E+00	0.000E+00	0.000E+00
G3C	0.000E+00	0.000E+00	-0.860E+02	0.000E+00	0.000E+00	0.000E+00
G7A	0.000E+00	0.000E+00	-0.860E+02	0.000E+00	0.000E+00	0.000E+00
G7B	0.000E+00	0.000E+00	-0.860E+02	0.000E+00	0.000E+00	0.000E+00
G7C	0.000E+00	0.000E+00	-0.101E+03	0.000E+00	0.000E+00	0.000E+00
G8A	0.000E+00	0.000E+00	-0.101E+03	0.000E+00	0.000E+00	0.000E+00
G8B	0.000E+00	0.000E+00	-0.116E+03	0.000E+00	0.000E+00	0.000E+00
G8C	0.000E+00	0.000E+00	-0.670E+02	0.000E+00	0.000E+00	0.000E+00
I1A	0.000E+00	0.000E+00	-0.730E+02	0.000E+00	0.000E+00	0.000E+00
I2A	0.000E+00	0.000E+00	-0.125E+03	0.000E+00	0.000E+00	0.000E+00
I2B	0.000E+00	0.000E+00	-0.109E+03	0.000E+00	0.000E+00	0.000E+00
I2C	0.000E+00	0.000E+00	-0.109E+03	0.000E+00	0.000E+00	0.000E+00
I3A	0.000E+00	0.000E+00	-0.930E+02	0.000E+00	0.000E+00	0.000E+00
I3B	0.000E+00	0.000E+00	-0.930E+02	0.000E+00	0.000E+00	0.000E+00
I7B	0.000E+00	0.000E+00	-0.930E+02	0.000E+00	0.000E+00	0.000E+00
I7C	0.000E+00	0.000E+00	-0.930E+02	0.000E+00	0.000E+00	0.000E+00
I8A	0.000E+00	0.000E+00	-0.109E+03	0.000E+00	0.000E+00	0.000E+00
I8B	0.000E+00	0.000E+00	-0.109E+03	0.000E+00	0.000E+00	0.000E+00
I8C	0.000E+00	0.000E+00	-0.125E+03	0.000E+00	0.000E+00	0.000E+00
I9A	0.000E+00	0.000E+00	-0.730E+02	0.000E+00	0.000E+00	0.000E+00
K1A	0.000E+00	0.000E+00	-0.860E+02	0.000E+00	0.000E+00	0.000E+00
K1B	0.000E+00	0.000E+00	-0.147E+03	0.000E+00	0.000E+00	0.000E+00
K2A	0.000E+00	0.000E+00	-0.128E+03	0.000E+00	0.000E+00	0.000E+00
K2B	0.000E+00	0.000E+00	-0.128E+03	0.000E+00	0.000E+00	0.000E+00
K2C	0.000E+00	0.000E+00	-0.109E+03	0.000E+00	0.000E+00	0.000E+00
K3A	0.000E+00	0.000E+00	-0.109E+03	0.000E+00	0.000E+00	0.000E+00
K7B	0.000E+00	0.000E+00	-0.109E+03	0.000E+00	0.000E+00	0.000E+00
K8A	0.000E+00	0.000E+00	-0.109E+03	0.000E+00	0.000E+00	0.000E+00
K8B	0.000E+00	0.000E+00	-0.128E+03	0.000E+00	0.000E+00	0.000E+00
K8C	0.000E+00	0.000E+00	-0.128E+03	0.000E+00	0.000E+00	0.000E+00
K9A	0.000E+00	0.000E+00	-0.147E+03	0.000E+00	0.000E+00	0.000E+00
K9B	0.000E+00	0.000E+00	-0.860E+02	0.000E+00	0.000E+00	0.000E+00
N1A	0.000E+00	0.000E+00	-0.490E+02	0.000E+00	0.000E+00	0.000E+00
N1B	0.000E+00	0.000E+00	-0.850E+02	0.000E+00	0.000E+00	0.000E+00
N1C	0.000E+00	0.000E+00	-0.740E+02	0.000E+00	0.000E+00	0.000E+00
N2A	0.000E+00	0.000E+00	-0.740E+02	0.000E+00	0.000E+00	0.000E+00
N2B	0.000E+00	0.000E+00	-0.630E+02	0.000E+00	0.000E+00	0.000E+00
N2C	0.000E+00	0.000E+00	-0.630E+02	0.000E+00	0.000E+00	0.000E+00
N8A	0.000E+00	0.000E+00	-0.630E+02	0.000E+00	0.000E+00	0.000E+00
N8B	0.000E+00	0.000E+00	-0.630E+02	0.000E+00	0.000E+00	0.000E+00
N8C	0.000E+00	0.000E+00	-0.740E+02	0.000E+00	0.000E+00	0.000E+00
N9A	0.000E+00	0.000E+00	-0.740E+02	0.000E+00	0.000E+00	0.000E+00
N9B	0.000E+00	0.000E+00	-0.850E+02	0.000E+00	0.000E+00	0.000E+00
N9C	0.000E+00	0.000E+00	-0.490E+02	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N TOPCOVER

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
P1	0.000E+00	0.000E+00	-0.437E+03	0.000E+00	0.000E+00	0.000E+00
P2	0.000E+00	0.000E+00	-0.873E+03	0.000E+00	0.000E+00	0.000E+00
P3	0.000E+00	0.000E+00	-0.873E+03	0.000E+00	0.000E+00	0.000E+00

P4	0.000E+00	0.000E+00	-0.873E+03	0.000E+00	0.000E+00	0.000E+00
P5	0.000E+00	0.000E+00	-0.873E+03	0.000E+00	0.000E+00	0.000E+00
P6	0.000E+00	0.000E+00	-0.873E+03	0.000E+00	0.000E+00	0.000E+00
P7	0.000E+00	0.000E+00	-0.873E+03	0.000E+00	0.000E+00	0.000E+00
P8	0.000E+00	0.000E+00	-0.873E+03	0.000E+00	0.000E+00	0.000E+00
P9	0.000E+00	0.000E+00	-0.873E+03	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.437E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N PEWALLS

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
D2	0.000E+00	0.000E+00	-0.100E+02	0.000E+00	0.000E+00	0.000E+00
D3	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
D4	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
D5	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
D6	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
D7	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
D8	0.000E+00	0.000E+00	-0.200E+02	0.000E+00	0.000E+00	0.000E+00
D9	0.000E+00	0.000E+00	-0.100E+02	0.000E+00	0.000E+00	0.000E+00
E2	0.000E+00	0.000E+00	-0.300E+02	0.000E+00	0.000E+00	0.000E+00
E3	0.000E+00	0.000E+00	-0.610E+02	0.000E+00	0.000E+00	0.000E+00
E4	0.000E+00	0.000E+00	-0.121E+03	0.000E+00	0.000E+00	0.000E+00
E5	0.000E+00	0.000E+00	-0.121E+03	0.000E+00	0.000E+00	0.000E+00
E6	0.000E+00	0.000E+00	-0.121E+03	0.000E+00	0.000E+00	0.000E+00
E7	0.000E+00	0.000E+00	-0.121E+03	0.000E+00	0.000E+00	0.000E+00
E8	0.000E+00	0.000E+00	-0.610E+02	0.000E+00	0.000E+00	0.000E+00
E9	0.000E+00	0.000E+00	-0.300E+02	0.000E+00	0.000E+00	0.000E+00
F2	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00
F3	0.000E+00	0.000E+00	-0.101E+03	0.000E+00	0.000E+00	0.000E+00
F8	0.000E+00	0.000E+00	-0.101E+03	0.000E+00	0.000E+00	0.000E+00
F9	0.000E+00	0.000E+00	-0.500E+02	0.000E+00	0.000E+00	0.000E+00
G2	0.000E+00	0.000E+00	-0.600E+02	0.000E+00	0.000E+00	0.000E+00
G3	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
G4	0.000E+00	0.000E+00	-0.221E+03	0.000E+00	0.000E+00	0.000E+00
G5	0.000E+00	0.000E+00	-0.221E+03	0.000E+00	0.000E+00	0.000E+00
G6	0.000E+00	0.000E+00	-0.221E+03	0.000E+00	0.000E+00	0.000E+00
G7	0.000E+00	0.000E+00	-0.221E+03	0.000E+00	0.000E+00	0.000E+00
G8	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
G9	0.000E+00	0.000E+00	-0.600E+02	0.000E+00	0.000E+00	0.000E+00
H2	0.000E+00	0.000E+00	-0.600E+02	0.000E+00	0.000E+00	0.000E+00
H3	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
H8	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
H9	0.000E+00	0.000E+00	-0.600E+02	0.000E+00	0.000E+00	0.000E+00
I1	0.000E+00	0.000E+00	-0.600E+02	0.000E+00	0.000E+00	0.000E+00
I2	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
I3	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
I4	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
I5	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
I6	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
I7	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
I8	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
I9	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
J1	0.000E+00	0.000E+00	-0.600E+02	0.000E+00	0.000E+00	0.000E+00
J2	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
J3	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
J8	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
J9	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00

K1	0.000E+00	0.000E+00	-0.600E+02	0.000E+00	0.000E+00	0.000E+00
K2	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
K3	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
K4	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
K5	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
K6	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
K7	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
K8	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
K9	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
L1	0.000E+00	0.000E+00	-0.600E+02	0.000E+00	0.000E+00	0.000E+00
L2	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
L3	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
L8	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
L9	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
M1	0.000E+00	0.000E+00	-0.510E+02	0.000E+00	0.000E+00	0.000E+00
M2	0.000E+00	0.000E+00	-0.102E+03	0.000E+00	0.000E+00	0.000E+00
M3	0.000E+00	0.000E+00	-0.102E+03	0.000E+00	0.000E+00	0.000E+00
M4	0.000E+00	0.000E+00	-0.274E+03	0.000E+00	0.000E+00	0.000E+00
M5	0.000E+00	0.000E+00	-0.274E+03	0.000E+00	0.000E+00	0.000E+00
M6	0.000E+00	0.000E+00	-0.274E+03	0.000E+00	0.000E+00	0.000E+00
M7	0.000E+00	0.000E+00	-0.274E+03	0.000E+00	0.000E+00	0.000E+00
M8	0.000E+00	0.000E+00	-0.102E+03	0.000E+00	0.000E+00	0.000E+00
M9	0.000E+00	0.000E+00	-0.102E+03	0.000E+00	0.000E+00	0.000E+00
N1	0.000E+00	0.000E+00	-0.770E+02	0.000E+00	0.000E+00	0.000E+00
N2	0.000E+00	0.000E+00	-0.154E+03	0.000E+00	0.000E+00	0.000E+00
N3	0.000E+00	0.000E+00	-0.154E+03	0.000E+00	0.000E+00	0.000E+00
N8	0.000E+00	0.000E+00	-0.154E+03	0.000E+00	0.000E+00	0.000E+00
N9	0.000E+00	0.000E+00	-0.154E+03	0.000E+00	0.000E+00	0.000E+00
O4	0.000E+00	0.000E+00	-0.112E+03	0.000E+00	0.000E+00	0.000E+00
O7	0.000E+00	0.000E+00	-0.112E+03	0.000E+00	0.000E+00	0.000E+00
P1	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00
P2	0.000E+00	0.000E+00	-0.112E+03	0.000E+00	0.000E+00	0.000E+00
P3	0.000E+00	0.000E+00	-0.112E+03	0.000E+00	0.000E+00	0.000E+00
P4	0.000E+00	0.000E+00	-0.160E+02	0.000E+00	0.000E+00	0.000E+00
P5	0.000E+00	0.000E+00	-0.112E+03	0.000E+00	0.000E+00	0.000E+00
P6	0.000E+00	0.000E+00	-0.112E+03	0.000E+00	0.000E+00	0.000E+00
P7	0.000E+00	0.000E+00	-0.160E+02	0.000E+00	0.000E+00	0.000E+00
P8	0.000E+00	0.000E+00	-0.112E+03	0.000E+00	0.000E+00	0.000E+00
P9	0.000E+00	0.000E+00	-0.112E+03	0.000E+00	0.000E+00	0.000E+00
I10	0.000E+00	0.000E+00	-0.600E+02	0.000E+00	0.000E+00	0.000E+00
J10	0.000E+00	0.000E+00	-0.600E+02	0.000E+00	0.000E+00	0.000E+00
K10	0.000E+00	0.000E+00	-0.600E+02	0.000E+00	0.000E+00	0.000E+00
L10	0.000E+00	0.000E+00	-0.600E+02	0.000E+00	0.000E+00	0.000E+00
M10	0.000E+00	0.000E+00	-0.510E+02	0.000E+00	0.000E+00	0.000E+00
N10	0.000E+00	0.000E+00	-0.770E+02	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.560E+02	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N HOTBASIN

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
N1	0.000E+00	0.000E+00	-0.414E+03	0.000E+00	0.000E+00	0.000E+00
N2	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N3	0.000E+00	0.000E+00	-0.414E+03	0.000E+00	0.000E+00	0.000E+00
N8	0.000E+00	0.000E+00	-0.414E+03	0.000E+00	0.000E+00	0.000E+00
N9	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N10	0.000E+00	0.000E+00	-0.414E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N DRIFTELM

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
E4B	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
E6A	0.000E+00	0.000E+00	-0.260E+02	0.000E+00	0.000E+00	0.000E+00
G4A	0.000E+00	0.000E+00	-0.570E+02	0.000E+00	0.000E+00	0.000E+00
G6A	0.000E+00	0.000E+00	-0.570E+02	0.000E+00	0.000E+00	0.000E+00
I3C	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
I4A	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
I6A	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
I7A	0.000E+00	0.000E+00	-0.310E+02	0.000E+00	0.000E+00	0.000E+00
K3B	0.000E+00	0.000E+00	-0.730E+02	0.000E+00	0.000E+00	0.000E+00
K7A	0.000E+00	0.000E+00	-0.730E+02	0.000E+00	0.000E+00	0.000E+00
M3A	0.000E+00	0.000E+00	-0.420E+02	0.000E+00	0.000E+00	0.000E+00
M7A	0.000E+00	0.000E+00	-0.420E+02	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N FANMOTOR

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

L O A D C O N D I T I O N CABLETRY

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
G9	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
H9	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
I9	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
J9	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
K9	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
L9	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
M9	0.000E+00	0.000E+00	-0.204E+03	0.000E+00	0.000E+00	0.000E+00
N9	0.000E+00	0.000E+00	-0.308E+03	0.000E+00	0.000E+00	0.000E+00
P9	0.000E+00	0.000E+00	-0.314E+03	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.900E+02	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N LOUVERWL

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
D2	0.000E+00	0.000E+00	-0.120E+02	0.000E+00	0.000E+00	0.000E+00
D9	0.000E+00	0.000E+00	-0.120E+02	0.000E+00	0.000E+00	0.000E+00
E2	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
E9	0.000E+00	0.000E+00	-0.370E+02	0.000E+00	0.000E+00	0.000E+00
F2	0.000E+00	0.000E+00	-0.610E+02	0.000E+00	0.000E+00	0.000E+00
F9	0.000E+00	0.000E+00	-0.610E+02	0.000E+00	0.000E+00	0.000E+00
G2	0.000E+00	0.000E+00	-0.720E+02	0.000E+00	0.000E+00	0.000E+00
G9	0.000E+00	0.000E+00	-0.720E+02	0.000E+00	0.000E+00	0.000E+00

H2	0.000E+00	0.000E+00	-0.740E+02	0.000E+00	0.000E+00	0.000E+00
H9	0.000E+00	0.000E+00	-0.740E+02	0.000E+00	0.000E+00	0.000E+00
I1	0.000E+00	0.000E+00	-0.750E+02	0.000E+00	0.000E+00	0.000E+00
J1	0.000E+00	0.000E+00	-0.750E+02	0.000E+00	0.000E+00	0.000E+00
K1	0.000E+00	0.000E+00	-0.750E+02	0.000E+00	0.000E+00	0.000E+00
L1	0.000E+00	0.000E+00	-0.750E+02	0.000E+00	0.000E+00	0.000E+00
M1	0.000E+00	0.000E+00	-0.630E+02	0.000E+00	0.000E+00	0.000E+00
N1	0.000E+00	0.000E+00	-0.960E+02	0.000E+00	0.000E+00	0.000E+00
P1	0.000E+00	0.000E+00	-0.700E+02	0.000E+00	0.000E+00	0.000E+00
I10	0.000E+00	0.000E+00	-0.750E+02	0.000E+00	0.000E+00	0.000E+00
J10	0.000E+00	0.000E+00	-0.750E+02	0.000E+00	0.000E+00	0.000E+00
K10	0.000E+00	0.000E+00	-0.750E+02	0.000E+00	0.000E+00	0.000E+00
L10	0.000E+00	0.000E+00	-0.750E+02	0.000E+00	0.000E+00	0.000E+00
M10	0.000E+00	0.000E+00	-0.630E+02	0.000E+00	0.000E+00	0.000E+00
N10	0.000E+00	0.000E+00	-0.960E+02	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.700E+02	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N SECDIST

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

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PROGRAM:SAP2000/FILE:\EndBentSeismic.EKO

F U N C T I O N D A T A

FUNCTION LABEL = 5DAMP
TIME INCREMENT = 0.000

TIME	VALUE	TIME	VALUE	TIME	VALUE	TIME	VALUE
0.010	0.813E-01	0.011	0.822E-01	0.012	0.830E-01	0.013	0.839E-01
0.014	0.848E-01	0.015	0.858E-01	0.016	0.865E-01	0.017	0.877E-01
0.019	0.887E-01	0.020	0.897E-01	0.022	0.907E-01	0.024	0.917E-01
0.026	0.927E-01	0.029	0.942E-01	0.033	0.958E-01	0.037	0.972E-01
0.041	0.985E-01	0.045	0.996E-01	0.050	0.101E+00	0.055	0.103E+00
0.062	0.104E+00	0.068	0.105E+00	0.074	0.106E+00	0.082	0.108E+00
0.090	0.109E+00	0.098	0.110E+00	0.106	0.111E+00	0.117	0.112E+00
0.129	0.113E+00	0.142	0.114E+00	0.155	0.114E+00	0.168	0.114E+00
0.181	0.115E+00	0.197	0.114E+00	0.216	0.114E+00	0.238	0.114E+00
0.258	0.113E+00	0.279	0.112E+00	0.302	0.110E+00	0.329	0.109E+00
0.355	0.107E+00	0.381	0.106E+00	0.410	0.104E+00	0.439	0.102E+00
0.466	0.998E-01	0.493	0.974E-01	0.522	0.947E-01	0.550	0.924E-01
0.582	0.897E-01	0.614	0.868E-01	0.649	0.844E-01	0.681	0.813E-01
0.714	0.790E-01	0.753	0.763E-01	0.787	0.737E-01	0.824	0.714E-01
0.865	0.685E-01	0.906	0.659E-01	0.946	0.637E-01	0.979	0.614E-01

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M O D E S D A T A

NUMBER OF EIGENVALUES 1000

EIGEN CONVERGENCE TOLERANCE 0.1000E-04
EIGEN CUTOFF FREQUENCY 0.3300E+02
EIGEN FREQUENCY SHIFT 0.0000E+00
INCLUDE RESIDUAL-MASS MODES YES

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C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE   24
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 R E S P O N S E   S P E C T R U M   D A T A

 SPEC LABEL            HORIZ              ACC  FUNCTION    FUNCTION
 DAMPING RATIO         0.050              DIR    FACTOR       LABEL
 DIRECTION FACTOR      0.000               U1    772.80       5DAMP
 MODAL COMBINATION       CQC               U2      0.00           0
 COORDINATE SYSTEM         0               U3      0.00           0
 COORDINATE ANGLE          0


C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE   25
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 L O A D   C O M B I N A T I O N   M U L T I P L I E R S

 COMBO LABEL              DEADLOAD
 COMBO TYPE                    ABS

                LOAD MODE    SPEC    HIST    MOVE   COMBO     SCALE
               LABEL  NUM   LABEL   LABEL   LABEL   LABEL    FACTOR

                DEAD                                          1.000
             MANIFOLD                                         1.000
                 TBAR                                         1.000
             TOPCOVER                                         1.000
              PEWALLS                                         1.000
             HOTBASIN                                         1.000
             DRIFTELM                                         1.000
             FANMOTOR                                         1.000
             CABLETRY                                         1.000
             LOUVERWL                                         1.000
              SECDIST                                         1.000

 COMBO LABEL                DLSEIS
 COMBO TYPE                    ABS

                LOAD MODE    SPEC    HIST    MOVE   COMBO     SCALE
               LABEL  NUM   LABEL   LABEL   LABEL   LABEL    FACTOR

                                                   DEADLOAD     1.000


C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE   26
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 O U T P U T   S E L E C T I O N

 DISPLACEMENTS AT JOINTS

      LOAD     MODES      SPEC      HIST      MOVE      COMB
     LABEL               LABEL     LABEL     LABEL     LABEL

                         HORIZ

 REACTIONS AT JOINTS
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     LOAD     MODES      SPEC      HIST      MOVE      COMB
    LABEL               LABEL     LABEL     LABEL     LABEL

                ALL
                        HORIZ

 INTERNAL FORCES AT ELEMENT FRAME

     LOAD     MODES      SPEC      HIST      MOVE      COMB
    LABEL               LABEL     LABEL     LABEL     LABEL

                        HORIZ


C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE   27
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 I N P U T   C O M P L E T E
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Program SAP2000 Nonlinear Version 7.40                File:End Bent Seismic.LOG



B E G I N   A N A L Y S I S                                2005/04/05  22:56:48

MAXIMUM MEMORY BLOCK SIZE (BYTES)         =       7.629 MB


E L E M E N T   F O R M A T I O N                                     22:56:48

NUMBER OF JOINT  ELEMENTS FORMED          =         164
NUMBER OF SPRING ELEMENTS FORMED          =         167
NUMBER OF FRAME  ELEMENTS FORMED          =         250
NUMBER OF CONSTRAINTS FORMED              =           2


E Q U A T I O N   S O L U T I O N                                     22:56:49

TOTAL NUMBER OF EQUILIBRIUM EQUATIONS     =         483
APPROXIMATE "EFFECTIVE" BAND WIDTH        =          21

NUMBER OF EQUATION STORAGE BLOCKS         =           1
MAXIMUM BLOCK SIZE (8-BYTE TERMS)         =       10589
SIZE OF STIFFNESS FILE(S) (BYTES)         =      84.629 KB

NUMBER OF EQUATIONS TO SOLVE              =         483
NUMBER OF STATIC LOAD CASES               =          11
NUMBER OF ACCELERATION LOADS              =           6
NUMBER OF NONLINEAR DEFORMATION LOADS     =           0


E I G E N   A N A L Y S I S                                           22:56:50

NUMBER OF STIFFNESS DEGREES OF FREEDOM    =         483
NUMBER OF MASS DEGREES OF FREEDOM         =         316
NUMBER OF EIGEN MODES SOUGHT              =         998
NUMBER OF RESIDUAL-MASS MODES SOUGHT      =           2
NUMBER OF SUBSPACE VECTORS USED           =          20

RELATIVE CONVERGENCE TOLERANCE            =    1.00E-05
FREQUENCY SHIFT  (CENTER) (CYC/TIME)      =     .000000
FREQUENCY CUTOFF (RADIUS) (CYC/TIME)      =   33.000000

* * * W A R N I N G * * *
NUMBER OF MODES SOUGHT REDUCED TO THE NUMBER OF MASS DEGREES OF FREEDOM


NUMBER OF EIGEN MODES FOUND               =          65
NUMBER OF ITERATIONS PERFORMED            =          51

NON-ZERO RESIDUAL-MASS MODES SOUGHT       =       UX,UZ
SIGNIFICANT RESIDUAL-MASS MODES FOUND     =       UX,UZ


R E S P O N S E - S P E C T R U M   A N A L Y S I S                   22:57:15

NUMBER OF SPEC ANALYSES PERFORMED         =           1


J O I N T   O U T P U T                                               22:57:15
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G L O B A L F O R C E B A L A N C E R E L A T I V E E R R O R S

PERCENT FORCE AND MOMENT ERROR AT THE ORIGIN, IN GLOBAL COORDINATES

LOAD	FX	FY	FZ	MX	MY	MZ
DEAD	1.18E-15	3.02E-32	5.58E-15	7.60E-15	1.37E-14	3.95E-16
MANIFOLD	1.17E-14	.000000	1.80E-14	8.17E-15	2.45E-14	3.71E-15
TBAR	3.86E-15	.000000	1.80E-14	6.12E-15	1.23E-14	1.24E-15
TOPCOVER	7.23E-16	.000000	1.16E-14	3.94E-15	2.28E-15	2.58E-16
PEWALLS	1.84E-15	.000000	2.61E-14	5.92E-15	5.19E-15	5.48E-16
HOTBASIN	1.35E-14	.000000	2.06E-14	4.67E-15	5.62E-14	4.31E-15
DRIFTELM	1.76E-14	.000000	2.19E-14	3.72E-15	6.24E-15	5.60E-15
FANMOTOR	.000000	.000000	.000000	.000000	.000000	.000000
CABLETRY	9.78E-14	.000000	8.68E-14	2.05E-14	1.39E-14	2.17E-14
LOUVERWL	2.12E-14	.000000	5.07E-14	1.72E-14	2.89E-14	6.77E-15
SECDIST	.000000	.000000	.000000	.000000	.000000	.000000

MODE	FX	FY	FZ	MX	MY	MZ
1	0.001514	.000000	0.008179	0.001811	0.005296	0.000335
2	0.001146	.000000	0.040065	0.008872	0.023025	0.000254
3	0.008310	.000000	0.021908	0.006632	0.020126	0.002515
4	0.018335	.000000	0.043322	0.009594	0.033842	0.004060
5	0.004232	.000000	0.021790	0.006596	0.021276	0.001281
6	0.022257	.000000	0.024931	0.005521	0.012634	0.004929
7	0.009790	.000000	0.044857	0.014308	0.033878	0.003123
8	0.012287	.000000	0.072953	0.016156	0.054755	0.002721
9	0.002516	.000000	0.006646	0.002120	0.013693	0.000803
10	0.011582	.000000	0.090515	0.020045	0.072311	0.002565
11	0.003807	.000000	0.020941	0.006679	0.024630	0.001214
12	0.053984	.000000	0.010283	0.002277	0.035171	0.011955
13	0.002296	.000000	0.026122	0.008332	0.011208	0.000732
14	0.007506	.000000	0.018383	0.004071	0.006523	0.001662
15	0.005822	.000000	0.006677	0.002130	0.000611	0.001857
16	0.007401	.000000	0.030837	0.009836	0.019368	0.002361
17	0.001541	.000000	0.012298	0.002723	0.009842	0.000341
18	0.007164	.000000	0.008271	0.002638	0.009961	0.002285
19	0.004244	.000000	0.003718	0.000823	0.001688	0.000940
20	0.002032	.000000	0.007227	0.002305	0.007453	0.000648
21	0.046929	.000000	0.018646	0.004340	0.038594	0.010923
22	0.114484	.000000	0.046135	0.013412	0.124193	0.033281
23	0.011105	.000000	0.075659	0.024133	0.149796	0.003542
24	0.090895	.000000	0.187738	0.041575	0.421430	0.020129
25	0.004164	.000000	0.016866	0.005106	0.056029	0.001260
26	0.054973	.000000	0.034627	0.008802	0.031722	0.013975
27	0.047920	.000000	0.381856	0.115596	0.238954	0.014506
28	0.025178	.000000	0.140426	0.044792	0.147890	0.008031
29	0.091870	.000000	0.242003	0.053593	0.218367	0.020345
30	0.009717	.000000	0.004902	0.001564	0.012434	0.003100
31	0.014487	.000000	0.127962	0.028338	0.120079	0.003208
32	0.047910	.000000	0.093225	0.028221	0.027547	0.014503
33	0.015830	.000000	0.005218	0.001664	0.012376	0.005049
34	0.041838	.000000	0.042029	0.013406	0.002673	0.013345
35	0.065915	.000000	0.219597	0.048631	0.240149	0.014597
36	0.038657	.000000	0.013069	0.003999	0.043326	0.011828
37	0.342251	.000000	0.266776	0.085094	0.009085	0.109168
38	0.006763	.000000	0.010092	0.002235	0.006236	0.001498
39	0.010599	.000000	0.001947	0.000621	0.008876	0.003381
40	0.013824	.000000	0.002444	0.000780	0.000860	0.004409
41	0.036894	.000000	0.062408	0.013821	0.015600	0.008170
42	0.042814	.000000	0.109005	0.024140	0.100428	0.009481
43	0.005312	.000000	0.049467	0.015779	0.076658	0.001694
44	0.012879	.000000	0.145650	0.046458	0.188511	0.004108
45	0.022885	.000000	0.082362	0.026271	0.091145	0.007300

46	0.017004	.000000	0.197669	0.043775	0.139580	0.003766
47	0.033347	.000000	0.533570	0.170194	0.617884	0.010637
48	0.008618	.000000	0.685132	0.207403	0.707402	0.002609
49	0.010202	.000000	0.004031	0.000893	0.007304	0.002259
50	0.030582	.000000	0.165524	0.052798	0.313771	0.009755
51	0.321369	.000000	0.465657	0.140964	0.084314	0.097285
52	0.149267	.000000	1.531809	0.463709	2.147799	0.045186
53	0.352723	.000000	2.325711	0.704039	2.675384	0.106776
54	0.255029	.000000	1.958442	0.592860	2.273876	0.077202
55	0.131692	.000000	0.529511	0.168899	1.165222	0.042006
56	0.030849	.000000	0.031561	0.010067	0.057458	0.009840
57	0.056043	.000000	0.411822	0.124667	0.956348	0.016965
58	0.223052	.000000	0.404838	0.122553	0.652095	0.067522
59	0.030954	.000000	0.197121	0.059672	0.183887	0.009370
60	0.148002	.000000	0.515623	0.114187	0.213847	0.032776
61	0.112230	.000000	0.028123	0.008970	0.385369	0.035798
62	0.030511	.000000	0.025960	0.005749	0.026068	0.006757
63	0.326748	.000000	0.320663	0.102282	0.597072	0.104223
64	0.095362	.000000	0.179019	0.039645	0.432708	0.021118
65	0.239522	.000000	0.056684	0.012553	0.512097	0.053043
66	9.280853	.000000	2.984370	0.660902	12.718058	2.055286
67	0.198206	.000000	23.493631	7.493802	19.149108	0.063222

SPEC	FX	FY	FZ	MX	MY	MZ
HORIZ	0.014691	.000000	0.009628	0.002132	0.020908	0.003253

COMB MAX/MIN	FX	FY	FZ	MX	MY	MZ
DEADLOAD	1.17E-14	1.51E-33	2.43E-14	7.93E-15	1.56E-14	3.74E-15
DEADLOAD	1.17E-14	1.51E-33	2.43E-14	7.93E-15	1.56E-14	3.74E-15
DLSEIS	1.17E-14	1.51E-33	2.43E-14	7.93E-15	1.56E-14	3.74E-15
DLSEIS	1.17E-14	1.51E-33	2.43E-14	7.93E-15	1.56E-14	3.74E-15

E L E M E N T J O I N T - F O R C E O U T P U T 22:57:19

NUMBER OF JOINT ELEMENTS SAVED = 164
NUMBER OF FRAME ELEMENTS SAVED = 250
NUMBER OF SPRING ELEMENTS SAVED = 167

E L E M E N T O U T P U T 22:57:21

NUMBER OF FRAME ELEMENTS SAVED = 250
NUMBER OF FRAME ELEMENTS PRINTED = 250

A N A L Y S I S C O M P L E T E 2005/04/05 22:57:29

S A P 2 0 0 0 (R)

Structural Analysis Programs

Nonlinear Version 7.40

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5 Apr 2005 22:56:48

D I S P L A C E M E N T D E G R E E S O F F R E E D O M

(A) = Active DOF, equilibrium equation
(-) = Restrained DOF, reaction computed
(+) = Constrained DOF
(>) = External substructure DOF
( ) = Null DOF

JOINTS	UX	UY	UZ	RX	RY	RZ
1 TO 2	A		A		A	
D2 TO D9	-	-	-		A	
E2 TO N9	A		A		A	
O4 TO O7	+		A		A	
P1 TO P3	A		A		A	
P4	+		A		A	
P5 TO P6	A		A		A	
P7	+		A		A	
P8 TO P10	A		A		A	

CONSTRAINTS	U1	U2	U3	R1	R2	R3
PO4 TO PO7	A					

A S S E M B L E D J O I N T M A S S E S

IN GLOBAL COORDINATES

JOINT	UX	UY	UZ	RX	RY	RZ
1	0.046857	0.046857	0.046857	.000000	.000000	.000000
2	0.046857	0.046857	0.046857	.000000	.000000	.000000
D2	0.100790	0.100790	0.100790	.000000	.000000	.000000
D3	0.055623	0.055623	0.055623	.000000	.000000	.000000
D4	0.055623	0.055623	0.055623	.000000	.000000	.000000

D5	0.055623	0.055623	0.055623	.000000	.000000	.000000
D6	0.055623	0.055623	0.055623	.000000	.000000	.000000
D7	0.055623	0.055623	0.055623	.000000	.000000	.000000
D8	0.055623	0.055623	0.055623	.000000	.000000	.000000
D9	0.100790	0.100790	0.100790	.000000	.000000	.000000
E2	0.206103	0.206103	0.206103	.000000	.000000	.000000
E3	0.184108	0.184108	0.184108	.000000	.000000	.000000
E4	0.343547	0.343547	0.343547	.000000	.000000	.000000
E5	0.353360	0.353360	0.353360	.000000	.000000	.000000
E6	0.353360	0.353360	0.353360	.000000	.000000	.000000
E7	0.343547	0.343547	0.343547	.000000	.000000	.000000
E8	0.184108	0.184108	0.184108	.000000	.000000	.000000
E9	0.206103	0.206103	0.206103	.000000	.000000	.000000
F2	0.354717	0.354717	0.354717	.000000	.000000	.000000
F3	0.293962	0.293962	0.293962	.000000	.000000	.000000
F8	0.293962	0.293962	0.293962	.000000	.000000	.000000
F9	0.354717	0.354717	0.354717	.000000	.000000	.000000
G2	0.411835	0.411835	0.411835	.000000	.000000	.000000
G3	0.412369	0.412369	0.412369	.000000	.000000	.000000
G4	0.628088	0.628088	0.628088	.000000	.000000	.000000
G5	0.638530	0.638530	0.638530	.000000	.000000	.000000
G6	0.638530	0.638530	0.638530	.000000	.000000	.000000
G7	0.628088	0.628088	0.628088	.000000	.000000	.000000
G8	0.412369	0.412369	0.412369	.000000	.000000	.000000
G9	1.032935	1.032935	1.032935	.000000	.000000	.000000
H2	0.409610	0.409610	0.409610	.000000	.000000	.000000
H3	0.358725	0.358725	0.358725	.000000	.000000	.000000
H8	0.358725	0.358725	0.358725	.000000	.000000	.000000
H9	1.030810	1.030810	1.030810	.000000	.000000	.000000
I1	0.374465	0.374465	0.374465	.000000	.000000	.000000
I2	0.352686	0.352686	0.352686	.000000	.000000	.000000
I3	0.341800	0.341800	0.341800	.000000	.000000	.000000
I4	0.750494	0.750494	0.750494	.000000	.000000	.000000
I5	0.694068	0.694068	0.694068	.000000	.000000	.000000
I6	0.694068	0.694068	0.694068	.000000	.000000	.000000
I7	0.750494	0.750494	0.750494	.000000	.000000	.000000
I8	0.341800	0.341800	0.341800	.000000	.000000	.000000
I9	0.973786	0.973786	0.973786	.000000	.000000	.000000
J1	0.377110	0.377110	0.377110	.000000	.000000	.000000
J2	0.350987	0.350987	0.350987	.000000	.000000	.000000
J3	0.358725	0.358725	0.358725	.000000	.000000	.000000
J8	0.358725	0.358725	0.358725	.000000	.000000	.000000
J9	0.972087	0.972087	0.972087	.000000	.000000	.000000
K1	0.374465	0.374465	0.374465	.000000	.000000	.000000
K2	0.352686	0.352686	0.352686	.000000	.000000	.000000
K3	0.341800	0.341800	0.341800	.000000	.000000	.000000
K4	0.689858	0.689858	0.689858	.000000	.000000	.000000
K5	0.748416	0.748416	0.748416	.000000	.000000	.000000
K6	0.748416	0.748416	0.748416	.000000	.000000	.000000
K7	0.689858	0.689858	0.689858	.000000	.000000	.000000
K8	0.341800	0.341800	0.341800	.000000	.000000	.000000
K9	0.973786	0.973786	0.973786	.000000	.000000	.000000
L1	0.380259	0.380259	0.380259	.000000	.000000	.000000
L2	0.354135	0.354135	0.354135	.000000	.000000	.000000
L3	0.358725	0.358725	0.358725	.000000	.000000	.000000
L8	0.358725	0.358725	0.358725	.000000	.000000	.000000
L9	0.975235	0.975235	0.975235	.000000	.000000	.000000
M1	0.325306	0.325306	0.325306	.000000	.000000	.000000
M2	0.316243	0.316243	0.316243	.000000	.000000	.000000
M3	0.311391	0.311391	0.311391	.000000	.000000	.000000
M4	0.784068	0.784068	0.784068	.000000	.000000	.000000
M5	0.847109	0.847109	0.847109	.000000	.000000	.000000
M6	0.847109	0.847109	0.847109	.000000	.000000	.000000

M7	0.784068	0.784068	0.784068	.000000	.000000	.000000
M8	0.311391	0.311391	0.311391	.000000	.000000	.000000
M9	0.843143	0.843143	0.843143	.000000	.000000	.000000
N1	1.551669	1.551669	1.551669	.000000	.000000	.000000
N2	7.494766	7.494766	7.494766	.000000	.000000	.000000
N3	6.422088	6.422088	6.422088	.000000	.000000	.000000
N8	6.422088	6.422088	6.422088	.000000	.000000	.000000
N9	8.290566	8.290566	8.290566	.000000	.000000	.000000
O4	0.364399	0.364399	0.364399	.000000	.000000	.000000
O7	0.364399	0.364399	0.364399	.000000	.000000	.000000
P1	1.497335	1.497335	1.497335	.000000	.000000	.000000
P2	2.608739	2.608739	2.608739	.000000	.000000	.000000
P3	2.604266	2.604266	2.604266	.000000	.000000	.000000
P4	2.334384	2.334384	2.334384	.000000	.000000	.000000
P5	2.614375	2.614375	2.614375	.000000	.000000	.000000
P6	2.614375	2.614375	2.614375	.000000	.000000	.000000
P7	2.334384	2.334384	2.334384	.000000	.000000	.000000
P8	2.604266	2.604266	2.604266	.000000	.000000	.000000
P9	2.841639	2.841639	2.841639	.000000	.000000	.000000
E2A	0.087248	0.087248	0.087248	.000000	.000000	.000000
E2B	0.141129	0.141129	0.141129	.000000	.000000	.000000
E3A	0.123529	0.123529	0.123529	.000000	.000000	.000000
E3B	0.125039	0.125039	0.125039	.000000	.000000	.000000
E3C	0.106029	0.106029	0.106029	.000000	.000000	.000000
E4A	0.106784	0.106784	0.106784	.000000	.000000	.000000
E4B	0.075048	0.075048	0.075048	.000000	.000000	.000000
E6A	0.075048	0.075048	0.075048	.000000	.000000	.000000
E6B	0.106784	0.106784	0.106784	.000000	.000000	.000000
E7A	0.106029	0.106029	0.106029	.000000	.000000	.000000
E7B	0.125039	0.125039	0.125039	.000000	.000000	.000000
E7C	0.123529	0.123529	0.123529	.000000	.000000	.000000
E8A	0.141129	0.141129	0.141129	.000000	.000000	.000000
E8B	0.087248	0.087248	0.087248	.000000	.000000	.000000
G2A	0.179306	0.179306	0.179306	.000000	.000000	.000000
G2B	0.305039	0.305039	0.305039	.000000	.000000	.000000
G2C	0.264752	0.264752	0.264752	.000000	.000000	.000000
G3A	0.265506	0.265506	0.265506	.000000	.000000	.000000
G3B	0.228239	0.228239	0.228239	.000000	.000000	.000000
G3C	0.226352	0.226352	0.226352	.000000	.000000	.000000
G4A	0.156758	0.156758	0.156758	.000000	.000000	.000000
G6A	0.156758	0.156758	0.156758	.000000	.000000	.000000
G7A	0.226352	0.226352	0.226352	.000000	.000000	.000000
G7B	0.228239	0.228239	0.228239	.000000	.000000	.000000
G7C	0.265506	0.265506	0.265506	.000000	.000000	.000000
G8A	0.264752	0.264752	0.264752	.000000	.000000	.000000
G8B	0.305039	0.305039	0.305039	.000000	.000000	.000000
G8C	0.179306	0.179306	0.179306	.000000	.000000	.000000
I10	0.374465	0.374465	0.374465	.000000	.000000	.000000
I1A	0.191074	0.191074	0.191074	.000000	.000000	.000000
I2A	0.329768	0.329768	0.329768	.000000	.000000	.000000
I2B	0.289139	0.289139	0.289139	.000000	.000000	.000000
I2C	0.287190	0.287190	0.287190	.000000	.000000	.000000
I3A	0.246268	0.246268	0.246268	.000000	.000000	.000000
I3B	0.247339	0.247339	0.247339	.000000	.000000	.000000
I3C	0.084290	0.084290	0.084290	.000000	.000000	.000000
I4A	0.089258	0.089258	0.089258	.000000	.000000	.000000
I6A	0.089258	0.089258	0.089258	.000000	.000000	.000000
I7A	0.084290	0.084290	0.084290	.000000	.000000	.000000
I7B	0.247339	0.247339	0.247339	.000000	.000000	.000000
I7C	0.246268	0.246268	0.246268	.000000	.000000	.000000
I8A	0.287190	0.287190	0.287190	.000000	.000000	.000000
I8B	0.289139	0.289139	0.289139	.000000	.000000	.000000
I8C	0.329768	0.329768	0.329768	.000000	.000000	.000000

I9A	0.191074	0.191074	0.191074	.000000	.000000	.000000
J10	0.377110	0.377110	0.377110	.000000	.000000	.000000
K10	0.374465	0.374465	0.374465	.000000	.000000	.000000
K1A	0.226023	0.226023	0.226023	.000000	.000000	.000000
K1B	0.385619	0.385619	0.385619	.000000	.000000	.000000
K2A	0.337239	0.337239	0.337239	.000000	.000000	.000000
K2B	0.338439	0.338439	0.338439	.000000	.000000	.000000
K2C	0.287619	0.287619	0.287619	.000000	.000000	.000000
K3A	0.289120	0.289120	0.289120	.000000	.000000	.000000
K3B	0.195639	0.195639	0.195639	.000000	.000000	.000000
K7A	0.195639	0.195639	0.195639	.000000	.000000	.000000
K7B	0.289120	0.289120	0.289120	.000000	.000000	.000000
K8A	0.287619	0.287619	0.287619	.000000	.000000	.000000
K8B	0.338439	0.338439	0.338439	.000000	.000000	.000000
K8C	0.337239	0.337239	0.337239	.000000	.000000	.000000
K9A	0.385619	0.385619	0.385619	.000000	.000000	.000000
K9B	0.226023	0.226023	0.226023	.000000	.000000	.000000
L10	0.380259	0.380259	0.380259	.000000	.000000	.000000
L5A	0.070452	0.070452	0.070452	.000000	.000000	.000000
M10	0.325306	0.325306	0.325306	.000000	.000000	.000000
M3A	0.117258	0.117258	0.117258	.000000	.000000	.000000
M7A	0.117258	0.117258	0.117258	.000000	.000000	.000000
N10	1.551669	1.551669	1.551669	.000000	.000000	.000000
N1A	0.133631	0.133631	0.133631	.000000	.000000	.000000
N1B	0.228489	0.228489	0.228489	.000000	.000000	.000000
N1C	0.199012	0.199012	0.199012	.000000	.000000	.000000
N2A	0.196822	0.196822	0.196822	.000000	.000000	.000000
N2B	0.172189	0.172189	0.172189	.000000	.000000	.000000
N2C	0.170912	0.170912	0.170912	.000000	.000000	.000000
N8A	0.170912	0.170912	0.170912	.000000	.000000	.000000
N8B	0.172189	0.172189	0.172189	.000000	.000000	.000000
N8C	0.196822	0.196822	0.196822	.000000	.000000	.000000
N9A	0.199012	0.199012	0.199012	.000000	.000000	.000000
N9B	0.228489	0.228489	0.228489	.000000	.000000	.000000
N9C	0.133631	0.133631	0.133631	.000000	.000000	.000000
P10	1.730235	1.730235	1.730235	.000000	.000000	.000000

T O T A L A S S E M B L E D J O I N T M A S S E S

IN GLOBAL COORDINATES

	UX	UY	UZ	RX	RY	RZ
TOTAL	104.824418	104.824418	104.824418	.000000	.000000	.000000

T O T A L A C C E L E R A T E D M A S S A N D L O C A T I O N

TOTAL MASS ACTIVATED BY ACCELERATION LOADS, IN GLOBAL COORDINATES

	UX	UY	UZ
MASS	104.289098	.000000	104.289098
X-LOC	360.163026	.000000	360.163026
Y-LOC	120.000000	.000000	120.000000
Z-LOC	495.497929	.000000	495.497929

M O D A L P E R I O D S A N D F R E Q U E N C I E S

MODE	PERIOD (TIME)	FREQUENCY (CYC/TIME)	FREQUENCY (RAD/TIME)	EIGENVALUE (RAD/TIME)**2
1	0.396721	2.520663	15.837791	250.835625
2	0.244396	4.091718	25.709021	660.953737
3	0.227996	4.386049	27.558357	759.463037
4	0.173161	5.774963	36.285164	1316.613
5	0.164474	6.079971	38.201585	1459.361
6	0.144248	6.932528	43.558361	1897.331
7	0.143999	6.944501	43.633584	1903.890
8	0.136076	7.348844	46.174147	2132.052
9	0.135940	7.356191	46.220309	2136.317
10	0.128815	7.763042	48.776630	2379.160
11	0.128704	7.769794	48.819053	2383.300
12	0.120905	8.270981	51.968104	2700.684
13	0.120753	8.281391	52.033517	2707.487
14	0.119860	8.343062	52.421006	2747.962
15	0.119793	8.347724	52.450297	2751.034
16	0.110092	9.083273	57.071886	3257.200
17	0.108890	9.183551	57.701954	3329.515
18	0.105953	9.438138	59.301572	3516.676
19	0.102379	9.767608	61.371693	3766.485
20	0.099350	10.065463	63.243171	3999.699
21	0.094377	10.595768	66.575176	4432.254
22	0.091051	10.982861	69.007350	4762.014
23	0.086181	11.603514	72.907031	5315.435
24	0.086179	11.603723	72.908344	5315.627
25	0.078466	12.744402	80.075440	6412.076
26	0.076611	13.052911	82.013857	6726.273
27	0.075090	13.317428	83.675869	7001.651
28	0.074354	13.449141	84.503446	7140.832
29	0.074285	13.461668	84.582154	7154.141
30	0.071253	14.034429	88.180918	7775.874
31	0.071250	14.035128	88.185313	7776.649
32	0.070133	14.258666	89.589841	8026.340
33	0.068885	14.516881	91.212250	8319.675
34	0.062911	15.895510	99.874434	9974.903
35	0.062906	15.896627	99.881453	9976.305
36	0.061835	16.172005	101.611702	10324.938
37	0.061765	16.190478	101.727775	10348.540
38	0.059727	16.742837	105.198350	11066.693
39	0.057664	17.341788	108.961668	11872.645
40	0.055793	17.923283	112.615311	12682.208
41	0.054292	18.418859	115.729105	13393.226
42	0.051767	19.317438	121.375044	14731.901
43	0.051671	19.353051	121.598805	14786.269
44	0.047055	21.251693	133.528325	17829.814
45	0.046167	21.660633	136.097773	18522.604
46	0.041370	24.171825	151.876053	23066.336
47	0.040757	24.535827	154.163147	23766.276
48	0.038598	25.908125	162.785553	26499.136
49	0.038250	26.143991	164.267538	26983.824
50	0.038203	26.176265	164.470327	27050.488
51	0.036985	27.038077	169.885249	28860.998
52	0.036888	27.109218	170.332238	29013.071
53	0.036505	27.393693	172.119650	29625.174
54	0.036467	27.422232	172.298967	29686.934
55	0.035150	28.449819	178.755483	31953.523
56	0.034682	28.833167	181.164130	32820.442
57	0.033889	29.508052	185.404560	34374.851
58	0.033794	29.591222	185.927131	34568.898
59	0.033520	29.832736	187.444609	35135.481
60	0.033027	30.278503	190.245446	36193.330

61	0.032878	30.415921	191.108869	36522.600
62	0.032638	30.639565	192.514062	37061.664
63	0.032473	30.795143	193.491587	37438.994
64	0.032113	31.139881	195.657642	38281.913
65	0.030942	32.318612	203.063827	41234.918

-------- THE FOLLOWING ARE RESIDUAL-MASS MODES --------

66	0.020548	48.666277	305.779239	93500.943
67	0.020048	49.881284	313.413352	98227.929

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M O D A L P A R T I C I P A T I O N F A C T O R S

FOR UNIT ACCELERATION LOADS IN GLOBAL COORDINATES

MODE	PERIOD	UX	UY	UZ
1	0.396721	9.291413	.000000	-0.026651
2	0.244396	-0.511541	.000000	-0.036274
3	0.227996	-2.076446	.000000	-0.027378
4	0.173161	-0.307354	.000000	0.378725
5	0.164474	2.897916	.000000	0.070337
6	0.144248	0.028651	.000000	-1.086449
7	0.143999	-0.019951	.000000	-2.395559
8	0.136076	-0.003853	.000000	-0.523398
9	0.135940	-0.009319	.000000	-1.814237
10	0.128815	-0.012375	.000000	-0.212609
11	0.128704	0.006748	.000000	1.487738
12	0.120905	-0.046043	.000000	0.363053
13	0.120753	0.019636	.000000	1.945082
14	0.119860	0.061201	.000000	-0.201920
15	0.119793	-0.022513	.000000	-1.190703
16	0.110092	-0.643852	.000000	-1.386601
17	0.108890	-0.738697	.000000	-3.222582
18	0.105953	0.354539	.000000	-2.896955
19	0.102379	-0.172184	.000000	-1.160514
20	0.099350	0.549268	.000000	-5.447552
21	0.094377	0.912241	.000000	0.727943
22	0.091051	-0.270026	.000000	-0.445166
23	0.086181	-0.001933	.000000	-0.747714
24	0.086179	-0.019444	.000000	0.125580
25	0.078466	0.869177	.000000	-0.133975
26	0.076611	0.707967	.000000	-0.351633
27	0.075090	0.201181	.000000	0.086946
28	0.074354	0.053816	.000000	0.730380
29	0.074285	0.025153	.000000	0.176004
30	0.071253	0.009859	.000000	-0.522564
31	0.071250	0.013240	.000000	-0.306176
32	0.070133	0.291834	.000000	0.032726
33	0.068885	0.177122	.000000	0.456494
34	0.062911	0.003225	.000000	-0.719849
35	0.062906	0.011411	.000000	0.029678
36	0.061835	0.059704	.000000	-0.907482
37	0.061765	-0.079378	.000000	-0.134396
38	0.059727	-0.717384	.000000	1.157065
39	0.057664	0.228576	.000000	3.760992
40	0.055793	-0.117534	.000000	2.158760
41	0.054292	-0.429571	.000000	-0.065904
42	0.051767	0.053863	.000000	-0.215173
43	0.051671	0.039882	.000000	0.196840
44	0.047055	0.129532	.000000	0.293699

45	0.046167	-0.354802	.000000	-0.507125
46	0.041370	0.023990	.000000	0.060421
47	0.040757	-0.062759	.000000	-0.119836
48	0.038598	0.182990	.000000	0.173005
49	0.038250	-0.102356	.000000	0.088929
50	0.038203	0.043044	.000000	-0.115190
51	0.036985	0.038337	.000000	0.008273
52	0.036888	-0.021423	.000000	-0.004442
53	0.036505	0.033371	.000000	-0.012160
54	0.036467	-0.049422	.000000	-0.012912
55	0.035150	0.085377	.000000	0.127330
56	0.034682	0.019220	.000000	0.352877
57	0.033889	-0.098615	.000000	0.031053
58	0.033794	-0.115857	.000000	0.050458
59	0.033520	0.133981	.000000	-0.004399
60	0.033027	0.003705	.000000	-0.028707
61	0.032878	-0.044795	.000000	0.192692
62	0.032638	0.014789	.000000	0.161322
63	0.032473	-0.007049	.000000	-0.122354
64	0.032113	-0.110259	.000000	-0.056295
65	0.030942	-0.038514	.000000	0.159627

-------- THE FOLLOWING ARE RESIDUAL-MASS MODES --------

66	0.020548	-0.267953	.000000	0.098000
67	0.020048	0.000406	.000000	-2.418010

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M O D A L P A R T I C I P A T I N G M A S S R A T I O S

MODE	PERIOD	INDIVIDUAL MODE (PERCENT)			CUMULATIVE SUM (PERCENT)		
		UX	UY	UZ	UX	UY	UZ
1	0.396721	82.7798	0.0000	0.0007	82.7798	0.0000	0.0007
2	0.244396	0.2509	0.0000	0.0013	83.0308	0.0000	0.0019
3	0.227996	4.1343	0.0000	0.0007	87.1651	0.0000	0.0027
4	0.173161	0.0906	0.0000	0.1375	87.2556	0.0000	0.1402
5	0.164474	8.0525	0.0000	0.0047	95.3082	0.0000	0.1449
6	0.144248	0.0008	0.0000	1.1318	95.3090	0.0000	1.2768
7	0.143999	0.0004	0.0000	5.5027	95.3093	0.0000	6.7795
8	0.136076	0.0000	0.0000	0.2627	95.3094	0.0000	7.0421
9	0.135940	0.0001	0.0000	3.1561	95.3094	0.0000	10.1982
10	0.128815	0.0001	0.0000	0.0433	95.3096	0.0000	10.2416
11	0.128704	0.0000	0.0000	2.1223	95.3096	0.0000	12.3639
12	0.120905	0.0020	0.0000	0.1264	95.3117	0.0000	12.4903
13	0.120753	0.0004	0.0000	3.6277	95.3120	0.0000	16.1180
14	0.119860	0.0036	0.0000	0.0391	95.3156	0.0000	16.1571
15	0.119793	0.0005	0.0000	1.3595	95.3161	0.0000	17.5166
16	0.110092	0.3975	0.0000	1.8436	95.7136	0.0000	19.3602
17	0.108890	0.5232	0.0000	9.9579	96.2368	0.0000	29.3181
18	0.105953	0.1205	0.0000	8.0472	96.3574	0.0000	37.3653
19	0.102379	0.0284	0.0000	1.2914	96.3858	0.0000	38.6567
20	0.099350	0.2893	0.0000	28.4553	96.6751	0.0000	67.1121
21	0.094377	0.7980	0.0000	0.5081	97.4730	0.0000	67.6202
22	0.091051	0.0699	0.0000	0.1900	97.5430	0.0000	67.8102
23	0.086181	0.0000	0.0000	0.5361	97.5430	0.0000	68.3463
24	0.086179	0.0004	0.0000	0.0151	97.5433	0.0000	68.3614
25	0.078466	0.7244	0.0000	0.0172	98.2677	0.0000	68.3786
26	0.076611	0.4806	0.0000	0.1186	98.7483	0.0000	68.4972
27	0.075090	0.0388	0.0000	0.0072	98.7871	0.0000	68.5044
28	0.074354	0.0028	0.0000	0.5115	98.7899	0.0000	69.0159

29	0.074285	0.0006	0.0000	0.0297	98.7905	0.0000	69.0456
30	0.071253	0.0001	0.0000	0.2618	98.7906	0.0000	69.3075
31	0.071250	0.0002	0.0000	0.0899	98.7908	0.0000	69.3974
32	0.070133	0.0817	0.0000	0.0010	98.8724	0.0000	69.3984
33	0.068885	0.0301	0.0000	0.1998	98.9025	0.0000	69.5982
34	0.062911	0.0000	0.0000	0.4969	98.9025	0.0000	70.0951
35	0.062906	0.0001	0.0000	0.0008	98.9027	0.0000	70.0959
36	0.061835	0.0034	0.0000	0.7897	98.9061	0.0000	70.8856
37	0.061765	0.0060	0.0000	0.0173	98.9121	0.0000	70.9029
38	0.059727	0.4935	0.0000	1.2837	99.4056	0.0000	72.1866
39	0.057664	0.0501	0.0000	13.5633	99.4557	0.0000	85.7499
40	0.055793	0.0132	0.0000	4.4686	99.4689	0.0000	90.2185
41	0.054292	0.1769	0.0000	0.0042	99.6459	0.0000	90.2227
42	0.051767	0.0028	0.0000	0.0444	99.6487	0.0000	90.2671
43	0.051671	0.0015	0.0000	0.0372	99.6502	0.0000	90.3042
44	0.047055	0.0161	0.0000	0.0827	99.6663	0.0000	90.3870
45	0.046167	0.1207	0.0000	0.2466	99.7870	0.0000	90.6336
46	0.041370	0.0006	0.0000	0.0035	99.7875	0.0000	90.6371
47	0.040757	0.0038	0.0000	0.0138	99.7913	0.0000	90.6508
48	0.038598	0.0321	0.0000	0.0287	99.8234	0.0000	90.6795
49	0.038250	0.0100	0.0000	0.0076	99.8335	0.0000	90.6871
50	0.038203	0.0018	0.0000	0.0127	99.8352	0.0000	90.6998
51	0.036985	0.0014	0.0000	0.0001	99.8366	0.0000	90.6999
52	0.036888	0.0004	0.0000	0.0000	99.8371	0.0000	90.6999
53	0.036505	0.0011	0.0000	0.0001	99.8382	0.0000	90.7001
54	0.036467	0.0023	0.0000	0.0002	99.8405	0.0000	90.7002
55	0.035150	0.0070	0.0000	0.0155	99.8475	0.0000	90.7158
56	0.034682	0.0004	0.0000	0.1194	99.8478	0.0000	90.8352
57	0.033889	0.0093	0.0000	0.0009	99.8572	0.0000	90.8361
58	0.033794	0.0129	0.0000	0.0024	99.8700	0.0000	90.8385
59	0.033520	0.0172	0.0000	0.0000	99.8873	0.0000	90.8385
60	0.033027	0.0000	0.0000	0.0008	99.8873	0.0000	90.8393
61	0.032878	0.0019	0.0000	0.0356	99.8892	0.0000	90.8749
62	0.032638	0.0002	0.0000	0.0250	99.8894	0.0000	90.8999
63	0.032473	0.0000	0.0000	0.0144	99.8894	0.0000	90.9142
64	0.032113	0.0117	0.0000	0.0030	99.9011	0.0000	90.9173
65	0.030942	0.0014	0.0000	0.0244	99.9025	0.0000	90.9417
-------- THE FOLLOWING ARE RESIDUAL-MASS MODES --------							
66	0.020548	0.0688	0.0000	0.0092	99.9714	0.0000	90.9509
67	0.020048	0.0000	0.0000	5.6063	99.9714	0.0000	96.5572

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M O D A L L O A D P A R T I C I P A T I O N R A T I O S

LOAD, ACC, OR (TYPE)	NLLINK/DEF (NAME)	STATIC (PERCENT)	DYNAMIC (PERCENT)		EFFECTIVE PERIOD
LOAD	DEAD	98.3510 ->	46.9027<-	(*) SEE NOTE	0.093614
LOAD	MANIFOLD	98.1598	62.6930		0.101457
LOAD	TBAR	99.6977	86.2262		0.129522
LOAD	TOPCOVER	94.5782	56.4357		0.084323
LOAD	PEWALLS	96.9434	57.3426		0.084502
LOAD	HOTBASIN	97.8310	49.1936		0.109480
LOAD	DRIFTELM	99.3049	85.7174		0.087003
LOAD	FANMOTOR	0.0000	0.0000		-INFINITY-
LOAD	CABLETRY	96.1024	50.5005		0.120804
LOAD	LOUVERWL	95.1600	41.1957		0.083893
LOAD	SECDIST	0.0000	0.0000		-INFINITY-
ACC	UX	99.9998	99.9714		0.391278

ACC	UY	0.0000	0.0000	-INFINITY-
ACC	UZ	99.9971	96.5572	0.112661
ACC	RX	0.0000	0.0000	-INFINITY-
ACC	RY	0.0000	0.0000	-INFINITY-
ACC	RZ	0.0000	0.0000	-INFINITY-

(*) NOTE: DYNAMIC LOAD PARTICIPATION RATIO EXCLUDES LOAD APPLIED
TO NON-MASS DEGREES OF FREEDOM

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R E S P O N S E S P E C T R U M A C C E L E R A T I O N S

IN RESPONSE-SPECTRUM LOCAL COORDINATES

SPEC HORIZ ----------

MODE	PERIOD	DAMP-RATIO	U1	U2	U3
1	0.396721	0.050000	80.891188	.000000	.000000
2	0.244396	0.050000	87.675072	.000000	.000000
3	0.227996	0.050000	88.142316	.000000	.000000
4	0.173161	0.050000	88.358670	.000000	.000000
5	0.164474	0.050000	88.193361	.000000	.000000
6	0.144248	0.050000	87.804460	.000000	.000000
7	0.143999	0.050000	87.799724	.000000	.000000
8	0.136076	0.050000	87.396830	.000000	.000000
9	0.135940	0.050000	87.387932	.000000	.000000
10	0.128815	0.050000	86.934883	.000000	.000000
11	0.128704	0.050000	86.930733	.000000	.000000
12	0.120905	0.050000	86.641588	.000000	.000000
13	0.120753	0.050000	86.635952	.000000	.000000
14	0.119860	0.050000	86.602860	.000000	.000000
15	0.119793	0.050000	86.600378	.000000	.000000
16	0.110092	0.050000	85.984576	.000000	.000000
17	0.108890	0.050000	85.897781	.000000	.000000
18	0.105953	0.050000	85.667402	.000000	.000000
19	0.102379	0.050000	85.252783	.000000	.000000
20	0.099350	0.050000	84.901310	.000000	.000000
21	0.094377	0.050000	84.481278	.000000	.000000
22	0.091051	0.050000	84.231926	.000000	.000000
23	0.086181	0.050000	83.806433	.000000	.000000
24	0.086179	0.050000	83.806293	.000000	.000000
25	0.078466	0.050000	82.912809	.000000	.000000
26	0.076611	0.050000	82.628479	.000000	.000000
27	0.075090	0.050000	82.395183	.000000	.000000
28	0.074354	0.050000	82.283311	.000000	.000000
29	0.074285	0.050000	82.273413	.000000	.000000
30	0.071253	0.050000	81.839718	.000000	.000000
31	0.071250	0.050000	81.839210	.000000	.000000
32	0.070133	0.050000	81.679416	.000000	.000000
33	0.068885	0.050000	81.500960	.000000	.000000
34	0.062911	0.050000	80.657889	.000000	.000000
35	0.062906	0.050000	80.657267	.000000	.000000
36	0.061835	0.050000	80.506465	.000000	.000000
37	0.061765	0.050000	80.496533	.000000	.000000
38	0.059727	0.050000	80.111169	.000000	.000000
39	0.057664	0.050000	79.706873	.000000	.000000
40	0.055793	0.050000	79.340212	.000000	.000000
41	0.054292	0.050000	79.075025	.000000	.000000
42	0.051767	0.050000	78.662756	.000000	.000000

43	0.051671	0.050000	78.647206	.000000	.000000
44	0.047055	0.050000	77.567367	.000000	.000000
45	0.046167	0.050000	77.312625	.000000	.000000
46	0.041370	0.050000	76.254684	.000000	.000000
47	0.040757	0.050000	76.133090	.000000	.000000
48	0.038598	0.050000	75.599182	.000000	.000000
49	0.038250	0.050000	75.511426	.000000	.000000
50	0.038203	0.050000	75.499541	.000000	.000000
51	0.036985	0.050000	75.192675	.000000	.000000
52	0.036888	0.050000	75.168216	.000000	.000000
53	0.036505	0.050000	75.071726	.000000	.000000
54	0.036467	0.050000	75.062204	.000000	.000000
55	0.035150	0.050000	74.732061	.000000	.000000
56	0.034682	0.050000	74.614925	.000000	.000000
57	0.033889	0.050000	74.416104	.000000	.000000
58	0.033794	0.050000	74.392230	.000000	.000000
59	0.033520	0.050000	74.323657	.000000	.000000
60	0.033027	0.050000	74.199963	.000000	.000000
61	0.032878	0.050000	74.162563	.000000	.000000
62	0.032638	0.050000	74.102412	.000000	.000000
63	0.032473	0.050000	74.056936	.000000	.000000
64	0.032113	0.050000	73.924645	.000000	.000000
65	0.030942	0.050000	73.493638	.000000	.000000
66	0.020548	0.050000	69.373980	.000000	.000000
67	0.020048	0.050000	69.151656	.000000	.000000

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R E S P O N S E S P E C T R U M M O D A L A M P L I T U D E S

IN RESPONSE-SPECTRUM LOCAL COORDINATES

SPEC HORIZ ----------

MODE	PERIOD	U1	U2	U3
1	0.396721	2.996358	.000000	.000000
2	0.244396	-0.067856	.000000	.000000
3	0.227996	-0.240990	.000000	.000000
4	0.173161	-0.020627	.000000	.000000
5	0.164474	0.175129	.000000	.000000
6	0.144248	0.001326	.000000	.000000
7	0.143999	-0.000920	.000000	.000000
8	0.136076	-0.000158	.000000	.000000
9	0.135940	-0.000381	.000000	.000000
10	0.128815	-0.000452	.000000	.000000
11	0.128704	0.000246	.000000	.000000
12	0.120905	-0.001477	.000000	.000000
13	0.120753	0.000628	.000000	.000000
14	0.119860	0.001929	.000000	.000000
15	0.119793	-0.000709	.000000	.000000
16	0.110092	-0.016997	.000000	.000000
17	0.108890	-0.019058	.000000	.000000
18	0.105953	0.008637	.000000	.000000
19	0.102379	-0.003897	.000000	.000000
20	0.099350	0.011659	.000000	.000000
21	0.094377	0.017388	.000000	.000000
22	0.091051	-0.004776	.000000	.000000
23	0.086181	-3.05E-05	.000000	.000000
24	0.086179	-0.000307	.000000	.000000
25	0.078466	0.011239	.000000	.000000

26	0.076611	0.008697	.000000	.000000
27	0.075090	0.002367	.000000	.000000
28	0.074354	0.000620	.000000	.000000
29	0.074285	0.000289	.000000	.000000
30	0.071253	0.000104	.000000	.000000
31	0.071250	0.000139	.000000	.000000
32	0.070133	0.002970	.000000	.000000
33	0.068885	0.001735	.000000	.000000
34	0.062911	2.61E-05	.000000	.000000
35	0.062906	9.23E-05	.000000	.000000
36	0.061835	0.000466	.000000	.000000
37	0.061765	-0.000617	.000000	.000000
38	0.059727	-0.005193	.000000	.000000
39	0.057664	0.001535	.000000	.000000
40	0.055793	-0.000735	.000000	.000000
41	0.054292	-0.002536	.000000	.000000
42	0.051767	0.000288	.000000	.000000
43	0.051671	0.000212	.000000	.000000
44	0.047055	0.000564	.000000	.000000
45	0.046167	-0.001481	.000000	.000000
46	0.041370	7.93E-05	.000000	.000000
47	0.040757	-0.000201	.000000	.000000
48	0.038598	0.000522	.000000	.000000
49	0.038250	-0.000286	.000000	.000000
50	0.038203	0.000120	.000000	.000000
51	0.036985	0.000100	.000000	.000000
52	0.036888	-5.55E-05	.000000	.000000
53	0.036505	8.46E-05	.000000	.000000
54	0.036467	-0.000125	.000000	.000000
55	0.035150	0.000200	.000000	.000000
56	0.034682	4.37E-05	.000000	.000000
57	0.033889	-0.000213	.000000	.000000
58	0.033794	-0.000249	.000000	.000000
59	0.033520	0.000283	.000000	.000000
60	0.033027	7.60E-06	.000000	.000000
61	0.032878	-9.10E-05	.000000	.000000
62	0.032638	2.96E-05	.000000	.000000
63	0.032473	-1.39E-05	.000000	.000000
64	0.032113	-0.000213	.000000	.000000
65	0.030942	-6.86E-05	.000000	.000000
66	0.020548	-0.000199	.000000	.000000
67	0.020048	2.86E-07	.000000	.000000

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R E S P O N S E S P E C T R U M M O D A L C O R R E L A T I O N S

PARTIAL MATRIX SHOWING CORRELATION FACTORS BETWEEN NEARBY MODES

SPEC HORIZ ----------

MODE I	PERIOD	I	I+1	I+2	I+3	I+4	I+5	I+6	I+7	I+8	I+9
1	0.396721	1.000	0.039	0.030	0.012	0.011	0.008	0.008	0.007	0.007	0.006
2	0.244396	1.000	0.674	0.076	0.058	0.033	0.033	0.026	0.026	0.022	0.022
3	0.227996	1.000	0.115	0.084	0.044	0.043	0.034	0.034	0.028	0.028	0.022
4	0.173161	1.000	0.790	0.229	0.226	0.145	0.144	0.101	0.100	0.070	0.070
5	0.164474	1.000	0.366	0.360	0.216	0.214	0.142	0.141	0.094	0.093	0.089
6	0.144248	1.000	1.000	0.746	0.739	0.438	0.434	0.242	0.239	0.224	0.223
7	0.143999	1.000	0.757	0.751	0.445	0.441	0.245	0.243	0.228	0.226	0.120
8	0.136076	1.000	1.000	0.769	0.763	0.416	0.411	0.382	0.380	0.181	0.166

9	0.135940	1.000	0.775	0.769	0.420	0.415	0.386	0.384	0.182	0.167	0.137
10	0.128815	1.000	1.000	0.713	0.705	0.658	0.654	0.287	0.260	0.206	0.158
11	0.128704	1.000	0.719	0.710	0.663	0.660	0.289	0.262	0.208	0.159	0.128
12	0.120905	1.000	1.000	0.993	0.992	0.532	0.476	0.363	0.264	0.204	0.138
13	0.120753	1.000	0.995	0.994	0.539	0.482	0.368	0.267	0.207	0.140	0.110
14	0.119860	1.000	1.000	0.580	0.520	0.396	0.286	0.220	0.147	0.115	0.082
15	0.119793	1.000	0.583	0.523	0.398	0.287	0.221	0.148	0.116	0.083	0.083
16	0.110092	1.000	0.988	0.872	0.654	0.486	0.295	0.216	0.141	0.141	0.078
17	0.108890	1.000	0.930	0.724	0.542	0.327	0.237	0.153	0.153	0.083	0.073
18	0.105953	1.000	0.895	0.707	0.427	0.302	0.188	0.188	0.098	0.085	0.076
19	0.102379	1.000	0.917	0.601	0.420	0.251	0.251	0.122	0.105	0.092	0.087
20	0.099350	1.000	0.791	0.567	0.330	0.330	0.151	0.127	0.111	0.105	0.104
21	0.094377	1.000	0.886	0.547	0.547	0.225	0.185	0.159	0.148	0.147	0.111
22	0.091051	1.000	0.768	0.767	0.310	0.250	0.211	0.194	0.193	0.141	0.141
23	0.086181	1.000	1.000	0.531	0.418	0.344	0.313	0.311	0.215	0.215	0.189
24	0.086179	1.000	0.531	0.418	0.344	0.313	0.311	0.215	0.215	0.189	0.165
25	0.078466	1.000	0.946	0.838	0.775	0.769	0.517	0.517	0.441	0.370	0.168
26	0.076611	1.000	0.961	0.918	0.913	0.655	0.655	0.561	0.469	0.203	0.203
27	0.075090	1.000	0.990	0.989	0.784	0.784	0.681	0.573	0.241	0.240	0.208
28	0.074354	1.000	1.000	0.846	0.846	0.745	0.631	0.262	0.262	0.226	0.224
29	0.074285	1.000	0.852	0.852	0.751	0.637	0.264	0.264	0.228	0.225	0.172
30	0.071253	1.000	1.000	0.975	0.897	0.391	0.391	0.331	0.327	0.242	0.181
31	0.071250	1.000	0.976	0.898	0.391	0.391	0.331	0.328	0.242	0.181	0.142
32	0.070133	1.000	0.969	0.458	0.457	0.386	0.381	0.278	0.205	0.159	0.131
33	0.068885	1.000	0.548	0.547	0.461	0.456	0.328	0.239	0.182	0.148	0.107
34	0.062911	1.000	1.000	0.971	0.967	0.787	0.568	0.409	0.314	0.207	0.204
35	0.062906	1.000	0.971	0.967	0.788	0.568	0.409	0.314	0.207	0.204	0.104
36	0.061835	1.000	1.000	0.892	0.672	0.485	0.370	0.239	0.235	0.116	0.103
37	0.061765	1.000	0.899	0.679	0.491	0.374	0.241	0.238	0.117	0.104	0.057
38	0.059727	1.000	0.890	0.683	0.523	0.327	0.321	0.148	0.129	0.067	0.062
39	0.057664	1.000	0.902	0.733	0.461	0.453	0.193	0.167	0.081	0.075	0.057
40	0.055793	1.000	0.931	0.640	0.629	0.255	0.217	0.099	0.090	0.067	0.064
41	0.054292	1.000	0.815	0.803	0.327	0.274	0.117	0.107	0.077	0.074	0.073
42	0.051767	1.000	1.000	0.523	0.432	0.164	0.147	0.102	0.097	0.096	0.079
43	0.051671	1.000	0.532	0.440	0.167	0.149	0.103	0.098	0.097	0.080	0.079
44	0.047055	1.000	0.965	0.375	0.325	0.202	0.187	0.186	0.145	0.143	0.133
45	0.046167	1.000	0.453	0.391	0.236	0.219	0.217	0.167	0.164	0.152	0.151
46	0.041370	1.000	0.978	0.675	0.619	0.611	0.442	0.431	0.389	0.385	0.272
47	0.040757	1.000	0.771	0.712	0.704	0.514	0.500	0.451	0.446	0.312	0.276
48	0.038598	1.000	0.992	0.989	0.846	0.829	0.763	0.756	0.532	0.465	0.370
49	0.038250	1.000	1.000	0.898	0.884	0.821	0.814	0.583	0.510	0.405	0.394
50	0.038203	1.000	0.905	0.891	0.828	0.822	0.590	0.516	0.410	0.398	0.368
51	0.036985	1.000	0.999	0.983	0.980	0.794	0.707	0.566	0.550	0.507	0.437
52	0.036888	1.000	0.989	0.987	0.811	0.724	0.581	0.565	0.521	0.449	0.429
53	0.036505	1.000	1.000	0.875	0.792	0.643	0.626	0.578	0.499	0.476	0.443
54	0.036467	1.000	0.881	0.799	0.650	0.633	0.584	0.504	0.481	0.447	0.425
55	0.035150	1.000	0.982	0.882	0.866	0.816	0.720	0.691	0.645	0.614	0.550
56	0.034682	1.000	0.949	0.937	0.896	0.807	0.778	0.730	0.697	0.627	0.433
57	0.033889	1.000	0.999	0.988	0.938	0.916	0.876	0.846	0.775	0.546	0.037
58	0.033794	1.000	0.993	0.950	0.930	0.892	0.863	0.793	0.562	0.037	0.033
59	0.033520	1.000	0.978	0.964	0.933	0.908	0.844	0.609	0.038	0.035	
60	0.033027	1.000	0.998	0.986	0.972	0.927	0.701	0.041	0.037		
61	0.032878	1.000	0.995	0.985	0.947	0.731	0.041	0.037			
62	0.032638	1.000	0.997	0.974	0.778	0.043	0.038				
63	0.032473	1.000	0.988	0.811	0.044	0.039					
64	0.032113	1.000	0.879	0.046	0.041						
65	0.030942	1.000	0.054	0.049							
66	0.020548	1.000	0.943								
67	0.020048	1.000									

R E S P O N S E S P E C T R U M B A S E R E A C T I O N S

IN RESPONSE-SPECTRUM LOCAL COORDINATES

SPEC HORIZ ----------

FOR EACH MODE, DUE TO SPECTRAL ACCELERATION IN DIRECTION U1:

MODE	F1	F2	F3	M1	M2	M3
1	6983.365	.000000	-20.030853	-2403.702	3.9485E+06	-838003.742
2	22.942267	.000000	1.626881	195.225731	28168.387	-2753.072
3	380.036794	.000000	5.010804	601.296432	-4453.095	-45604.415
4	8.346919	.000000	-10.285183	-1234.222	6893.689	-1001.630
5	740.640478	.000000	17.976405	2157.169	162887.694	-88876.857
6	0.072079	.000000	-2.733203	-327.984381	2406.209	-8.649481
7	0.034949	.000000	4.196326	503.559073	-1120.664	-4.193850
8	0.001298	.000000	0.176269	21.152316	-201.708158	-0.155731
9	0.007589	.000000	1.477488	177.298555	-443.626395	-0.910730
10	0.013313	.000000	0.228725	27.446943	-440.666626	-1.597535
11	0.003959	.000000	0.872755	104.730547	-287.751081	-0.475050
12	0.183680	.000000	-1.448318	-173.798110	1919.912	-22.041608
13	0.033405	.000000	3.308988	397.078599	-1095.554	-4.008647
14	0.324374	.000000	-1.070207	-128.424877	1364.047	-38.924837
15	0.043893	.000000	2.321455	278.574642	-773.551228	-5.267140
16	35.644477	.000000	76.764035	9211.684	-21639.485	-4277.337
17	46.872080	.000000	204.480579	24537.669	-139747.319	-5624.650
18	10.768205	.000000	-87.987552	-10558.506	19796.586	-1292.185
19	2.527516	.000000	17.035370	2044.244	-12949.230	-303.301949
20	25.614326	.000000	-254.038788	-30484.655	73119.648	-3073.719
21	70.303951	.000000	56.100598	6732.072	36249.315	-8436.474
22	6.141687	.000000	10.125223	1215.027	4186.692	-737.002457
23	0.000313	.000000	0.121124	14.534899	-39.233926	-0.037575
24	0.031683	.000000	-0.204633	-24.555931	254.307730	-3.801997
25	62.638057	.000000	-9.655031	-1158.604	20428.868	-7516.567
26	41.414875	.000000	-20.569942	-2468.393	19501.036	-4969.785
27	3.334833	.000000	1.441251	172.950071	1100.159	-400.179949
28	0.238306	.000000	3.234240	388.108809	-1034.015	-28.596703
29	0.052052	.000000	0.364224	43.706905	-216.986929	-6.246196
30	0.007955	.000000	-0.421648	-50.597732	96.657671	-0.954634
31	0.014347	.000000	-0.331768	-39.812121	232.631772	-1.721653
32	6.956403	.000000	0.780087	93.610489	136.062261	-834.768331
33	2.556854	.000000	6.589754	790.770515	-1551.246	-306.822439
34	0.000839	.000000	-0.187222	-22.466606	66.048463	-0.100639
35	0.010503	.000000	0.027316	3.277918	38.438670	-1.260403
36	0.286967	.000000	-4.361835	-523.420250	1708.765	-34.436051
37	0.507204	.000000	0.858749	103.049907	43.864351	-60.864508
38	41.228384	.000000	-66.497072	-7979.649	46719.084	-4947.406
39	4.164459	.000000	68.521929	8222.631	-22346.895	-499.735093
40	1.096024	.000000	-20.130797	-2415.696	7168.787	-131.522822
41	14.591795	.000000	2.238648	268.637811	14083.315	-1751.015
42	0.228219	.000000	-0.911691	-109.402954	653.357700	-27.386291
43	0.125092	.000000	0.617405	74.088639	17.555765	-15.011043
44	1.301472	.000000	2.950937	354.112404	473.869768	-156.176615
45	9.732475	.000000	13.910792	1669.295	-4026.174	-1167.897
46	0.043886	.000000	0.110532	13.263861	-218.205464	-5.266370
47	0.299865	.000000	0.572581	68.709689	-180.959155	-35.983781
48	2.531451	.000000	2.393320	287.198419	-800.625398	-303.774119
49	0.791107	.000000	-0.687336	-82.480282	540.687529	-94.932808
50	0.139887	.000000	-0.374350	-44.921974	83.981193	-16.786481
51	0.110515	.000000	0.023848	2.861712	-4.893542	-13.261753
52	0.034497	.000000	0.007153	0.858307	10.244233	-4.139599

53	0.083603	.000000	-0.030464	-3.655658	13.767683	-10.032310
54	0.183343	.000000	0.047900	5.748056	-3.111681	-22.001172
55	0.544736	.000000	0.812414	97.489728	-217.678973	-65.368341
56	0.027562	.000000	0.506049	60.725902	-167.022671	-3.307459
57	0.723686	.000000	-0.227884	-27.346130	-135.893125	-86.842362
58	0.998560	.000000	-0.434895	-52.187405	197.548265	-119.827231
59	1.334181	.000000	-0.043801	-5.256173	-202.499802	-160.101755
60	0.001018	.000000	-0.007892	-0.947001	10.984566	-0.122220
61	0.148816	.000000	-0.640148	-76.817791	168.109809	-17.857916
62	0.016206	.000000	0.176788	21.214542	-125.836800	-1.944764
63	0.003680	.000000	0.063876	7.665079	-7.121357	-0.441622
64	0.898710	.000000	0.458854	55.062508	-553.430932	-107.845146
65	0.109016	.000000	-0.451831	-54.219743	354.741915	-13.081930
66	4.980984	.000000	-1.821723	-218.606730	5432.405	-597.718132
67	1.14E-05	.000000	-0.067949	-8.153826	26.806398	-0.001370

COMBINED FOR ALL MODES AND ALL DIRECTIONS OF SPECTRAL ACCELERATION:

	F1	F2	F3	M1	M2	M3
SPEC	7064.103	.000000	220.305404	26436.649	3.9576E+06	847692.405

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J O I N T D I S P L A C E M E N T S

TRANSLATIONS AND ROTATIONS, IN GLOBAL COORDINATES

SPEC HORIZ ----------

JOINT	UX	UY	UZ	RY
1	0.358578	.000000	0.002597	.000000
2	0.363287	.000000	0.003226	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	0.156733	.000000	0.000419	.000000
E3	0.154087	.000000	0.000961	.000000
E4	0.154892	.000000	0.001437	.000000
E5	0.155214	.000000	0.001898	.000000
E6	0.155220	.000000	0.001899	.000000
E7	0.154909	.000000	0.001433	.000000
E8	0.154116	.000000	0.001048	.000000
E9	0.156746	.000000	0.000479	.000000
F2	0.149203	.000000	0.001290	0.001007
F3	0.148866	.000000	0.003142	0.000968
F8	0.149023	.000000	0.003405	0.000965
F9	0.149358	.000000	0.001475	0.001003
G2	0.078543	.000000	0.002599	.000000
G3	0.077627	.000000	0.006349	.000000
G4	0.078183	.000000	0.008800	.000000
G5	0.078500	.000000	0.011628	.000000
G6	0.078663	.000000	0.011634	.000000
G7	0.078672	.000000	0.008779	.000000
G8	0.078436	.000000	0.006870	.000000
G9	0.079647	.000000	0.002971	.000000

H2	0.085846	.000000	0.003925	.000000
H3	0.085929	.000000	0.008685	.000000
H8	0.088072	.000000	0.009468	.000000
H9	0.088159	.000000	0.004472	.000000
I1	0.117032	.000000	0.012686	.000000
I2	0.116999	.000000	0.006341	.000000
I3	0.116062	.000000	0.011052	.000000
I4	0.114729	.000000	0.017530	.000000
I5	0.115164	.000000	0.023180	.000000
I6	0.115354	.000000	0.023192	.000000
I7	0.115295	.000000	0.017488	.000000
I8	0.117184	.000000	0.012071	.000000
I9	0.118680	.000000	0.007207	.000000
J1	0.131053	.000000	0.016539	.000000
J2	0.130998	.000000	0.008693	.000000
J3	0.130698	.000000	0.013431	.000000
J8	0.134245	.000000	0.014691	.000000
J9	0.134842	.000000	0.009831	.000000
K1	0.160756	.000000	0.024541	.000000
K2	0.160574	.000000	0.011044	.000000
K3	0.159050	.000000	0.015739	.000000
K4	0.156985	.000000	0.026808	.000000
K5	0.154533	.000000	0.034699	.000000
K6	0.154785	.000000	0.034717	.000000
K7	0.157987	.000000	0.026751	.000000
K8	0.160819	.000000	0.017188	.000000
K9	0.163111	.000000	0.012447	.000000
L1	0.181198	.000000	0.030106	.000000
L2	0.181044	.000000	0.013287	.000000
L3	0.180626	.000000	0.018047	.000000
L8	0.185732	.000000	0.019687	.000000
L9	0.186546	.000000	0.014886	.000000
M1	0.350722	.000000	0.074749	.000000
M2	0.350465	.000000	0.015527	.000000
M3	0.345464	.000000	0.020247	.000000
M4	0.329406	.000000	0.036138	.000000
M5	0.312684	.000000	0.047236	.000000
M6	0.313294	.000000	0.047420	.000000
M7	0.331470	.000000	0.036084	.000000
M8	0.348981	.000000	0.022013	.000000
M9	0.354524	.000000	0.017310	.000000
N1	0.370195	.000000	0.079982	.000000
N2	0.369072	.000000	0.016702	.000000
N3	0.370104	.000000	0.020789	.000000
N8	0.375771	.000000	0.022566	.000000
N9	0.374725	.000000	0.018609	.000000
O4	0.339208	.000000	0.046813	.000000
O7	0.339578	.000000	0.046773	.000000
P1	0.346285	.000000	0.073905	.000000
P2	0.345155	.000000	0.016793	.000000
P3	0.342883	.000000	0.020876	.000000
P4	0.339208	.000000	0.046840	.000000
P5	0.340729	.000000	0.047520	.000000
P6	0.340853	.000000	0.047704	.000000
P7	0.339578	.000000	0.046800	.000000
P8	0.343519	.000000	0.022657	.000000
P9	0.346057	.000000	0.018739	.000000
E2A	0.155434	.000000	0.000461	1.89E-05
E2B	0.154547	.000000	0.000775	2.11E-05
E3A	0.154244	.000000	0.000749	3.61E-05
E3B	0.154527	.000000	0.000788	3.19E-05
E3C	0.154779	.000000	0.001134	3.78E-05
E4A	0.154961	.000000	0.001562	1.25E-05

E4B	0.155100	.000000	0.001795	7.92E-06
E6A	0.155110	.000000	0.001791	8.23E-06
E6B	0.154976	.000000	0.001559	1.20E-05
E7A	0.154799	.000000	0.001146	3.80E-05
E7B	0.154551	.000000	0.000820	3.29E-05
E7C	0.154271	.000000	0.000795	3.96E-05
E8A	0.154574	.000000	0.000855	2.37E-05
E8B	0.155455	.000000	0.000536	2.09E-05
G2A	0.078363	.000000	0.001375	0.000150
G2B	0.078066	.000000	0.003356	0.000122
G2C	0.077751	.000000	0.005512	0.000123
G3A	0.077758	.000000	0.004939	0.000264
G3B	0.077949	.000000	0.006277	0.000200
G3C	0.078124	.000000	0.007844	0.000230
G4A	0.078305	.000000	0.010499	5.91E-05
G6A	0.078676	.000000	0.010492	5.97E-05
G7A	0.078653	.000000	0.007740	0.000247
G7B	0.078585	.000000	0.006348	0.000207
G7C	0.078501	.000000	0.005428	0.000265
G8A	0.078597	.000000	0.005989	0.000140
G8B	0.079009	.000000	0.003790	0.000133
G8C	0.079405	.000000	0.001572	0.000173
I10	0.118715	.000000	0.013152	.000000
I1A	0.117024	.000000	0.010578	0.000556
I2A	0.116830	.000000	0.002822	0.000276
I2B	0.116529	.000000	0.004712	0.000240
I2C	0.116193	.000000	0.009339	0.000236
I3A	0.115798	.000000	0.008233	0.000472
I3B	0.115361	.000000	0.011095	0.000380
I3C	0.114897	.000000	0.015347	0.000426
I4A	0.114806	.000000	0.018636	0.000106
I6A	0.115309	.000000	0.018600	0.000108
I7A	0.115527	.000000	0.015196	0.000455
I7B	0.116176	.000000	0.011249	0.000394
I7C	0.116799	.000000	0.009148	0.000480
I8A	0.117381	.000000	0.010255	0.000269
I8B	0.117903	.000000	0.005527	0.000263
I8C	0.118391	.000000	0.003182	0.000323
I9A	0.118706	.000000	0.011137	0.000551
J10	0.134902	.000000	0.017623	.000000
K10	0.163302	.000000	0.025277	.000000
K1A	0.160745	.000000	0.023168	0.000358
K1B	0.160640	.000000	0.014570	0.000400
K2A	0.160313	.000000	0.005721	0.000419
K2B	0.159825	.000000	0.005577	0.000372
K2C	0.159284	.000000	0.012662	0.000371
K3A	0.158663	.000000	0.010132	0.000656
K3B	0.157776	.000000	0.015455	0.000582
K7A	0.159058	.000000	0.015232	0.000598
K7B	0.160277	.000000	0.011151	0.000670
K8A	0.161155	.000000	0.013909	0.000419
K8B	0.161953	.000000	0.006644	0.000409
K8C	0.162697	.000000	0.006360	0.000487
K9A	0.163181	.000000	0.015776	0.000399
K9B	0.163290	.000000	0.023966	0.000354
L10	0.186711	.000000	0.031657	.000000
L5A	0.224132	.000000	0.000218	.000000
M10	0.354785	.000000	0.075932	.000000
M3A	0.340133	.000000	0.006552	0.000769
M7A	0.343165	.000000	0.007336	0.000791
N10	0.375867	.000000	0.081603	.000000
N1A	0.370116	.000000	0.075023	0.000847
N1B	0.369772	.000000	0.054775	0.000879

N1C	0.369384	.000000	0.033113	0.000938
N2A	0.369181	.000000	0.013477	0.000518
N2B	0.369549	.000000	0.003573	0.000518
N2C	0.369883	.000000	0.012034	0.000518
N8A	0.375548	.000000	0.013055	0.000568
N8B	0.375209	.000000	0.004538	0.000566
N8C	0.374836	.000000	0.015124	0.000566
N9A	0.375042	.000000	0.034978	0.000946
N9B	0.375436	.000000	0.056595	0.000880
N9C	0.375786	.000000	0.076675	0.000855
P10	0.347365	.000000	0.074359	.000000

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J O I N T A C C E L E R A T I O N S

TRANSLATIONS AND ROTATIONS, IN GLOBAL COORDINATES

SPEC HORIZ ----------

JOINT	UX	UY	UZ	RY
1	90.035088	.000000	8.365230	.000000
2	91.514785	.000000	10.036019	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	88.614975	.000000	0.425210	.000000
E3	86.469988	.000000	1.077877	.000000
E4	87.106505	.000000	1.026622	.000000
E5	87.354762	.000000	0.965433	.000000
E6	87.354741	.000000	0.970803	.000000
E7	87.106340	.000000	1.083259	.000000
E8	86.469275	.000000	1.092878	.000000
E9	88.616037	.000000	0.590875	.000000
F2	82.008153	.000000	1.308221	0.799044
F3	81.741472	.000000	3.222623	0.757626
F8	81.751409	.000000	3.263276	0.761505
F9	82.018942	.000000	1.818196	0.810703
G2	34.093900	.000000	2.543181	.000000
G3	31.345822	.000000	6.207225	.000000
G4	34.117407	.000000	6.271454	.000000
G5	35.733989	.000000	5.912343	.000000
G6	35.960767	.000000	5.944980	.000000
G7	34.721783	.000000	6.616860	.000000
G8	32.360598	.000000	6.278005	.000000
G9	36.882881	.000000	3.568475	.000000
H2	42.332559	.000000	3.740513	.000000
H3	41.031595	.000000	6.606390	.000000
H8	46.335080	.000000	6.509527	.000000
H9	49.421267	.000000	5.252511	.000000
I1	50.735623	.000000	10.664184	.000000
I2	50.669171	.000000	5.114775	.000000
I3	48.873001	.000000	6.680770	.000000
I4	46.476247	.000000	12.235174	.000000
I5	47.369965	.000000	11.752394	.000000

I6	47.898419	.000000	11.821220	.000000
I7	48.017493	.000000	12.930836	.000000
I8	52.297570	.000000	6.552139	.000000
I9	56.083980	.000000	7.157601	.000000
J1	56.478506	.000000	12.848703	.000000
J2	56.350216	.000000	6.781441	.000000
J3	55.663775	.000000	6.978528	.000000
J8	64.244549	.000000	7.130656	.000000
J9	66.209726	.000000	9.245314	.000000
K1	66.877859	.000000	19.688176	.000000
K2	66.597570	.000000	8.565427	.000000
K3	64.424638	.000000	7.557716	.000000
K4	61.540854	.000000	14.793974	.000000
K5	58.277162	.000000	17.509643	.000000
K6	58.880874	.000000	17.624138	.000000
K7	63.589122	.000000	15.115799	.000000
K8	68.031127	.000000	8.001083	.000000
K9	71.776321	.000000	11.493890	.000000
L1	74.645540	.000000	23.326004	.000000
L2	74.369039	.000000	10.288267	.000000
L3	73.669415	.000000	8.601304	.000000
L8	80.466411	.000000	9.329750	.000000
L9	81.893575	.000000	13.661442	.000000
M1	88.190646	.000000	26.791080	.000000
M2	88.121892	.000000	12.057773	.000000
M3	86.869726	.000000	9.935077	.000000
M4	82.899064	.000000	17.571760	.000000
M5	78.823813	.000000	20.092925	.000000
M6	79.055645	.000000	20.085060	.000000
M7	83.684221	.000000	17.674853	.000000
M8	88.234691	.000000	10.871067	.000000
M9	89.699948	.000000	15.837469	.000000
N1	92.962523	.000000	29.019021	.000000
N2	92.671953	.000000	13.245475	.000000
N3	92.936188	.000000	10.836291	.000000
N8	94.498773	.000000	11.976676	.000000
N9	94.221730	.000000	17.301648	.000000
O4	85.928558	.000000	20.984083	.000000
O7	86.053001	.000000	20.951520	.000000
P1	88.030854	.000000	29.629792	.000000
P2	87.668208	.000000	13.991588	.000000
P3	86.980598	.000000	11.611280	.000000
P4	85.928558	.000000	21.053027	.000000
P5	86.357267	.000000	20.795968	.000000
P6	86.400233	.000000	20.610167	.000000
P7	86.053001	.000000	21.022856	.000000
P8	87.168069	.000000	12.946439	.000000
P9	87.904523	.000000	18.303725	.000000
E2A	87.562686	.000000	2.440960	0.044760
E2B	86.843830	.000000	1.442390	0.100533
E3A	86.594639	.000000	1.585018	0.101410
E3B	86.818796	.000000	2.605719	0.050401
E3C	87.017745	.000000	1.688420	0.095941
E4A	87.159694	.000000	1.338394	0.063586
E4B	87.266084	.000000	1.912032	0.021654
E6A	87.266021	.000000	1.733879	0.020889
E6B	87.159565	.000000	1.346741	0.050995
E7A	87.017511	.000000	1.932688	0.108706
E7B	86.818396	.000000	3.019116	0.053669
E7C	86.594037	.000000	1.755506	0.116898
E8A	86.843317	.000000	1.729294	0.114801
E8B	87.562689	.000000	2.925413	0.046180
G2A	33.634788	.000000	6.140663	0.268836

G2B	32.798255	.000000	4.913152	0.528769
G2C	31.781504	.000000	9.103812	0.412078
G3A	31.965066	.000000	8.149637	0.432119
G3B	32.881175	.000000	10.998198	0.347252
G3C	33.793522	.000000	8.221657	0.462786
G4A	34.707316	.000000	10.740558	0.154372
G6A	35.185870	.000000	11.963292	0.149389
G7A	34.439449	.000000	8.092929	0.479903
G7B	33.644784	.000000	11.563075	0.299187
G7C	32.868671	.000000	7.965890	0.460522
G8A	32.967536	.000000	11.416067	0.558420
G8B	34.520219	.000000	6.030162	0.742497
G8C	35.989666	.000000	8.598321	0.370358
I10	56.178795	.000000	15.542595	.000000
I1A	50.719754	.000000	7.887197	0.838646
I2A	50.337535	.000000	8.536679	0.370958
I2B	49.754181	.000000	8.237439	0.534597
I2C	49.117835	.000000	8.172923	0.561248
I3A	48.384424	.000000	11.839782	0.619373
I3B	47.590991	.000000	18.157719	0.277020
I3C	46.768304	.000000	13.030016	0.651990
I4A	46.625167	.000000	13.163412	0.380281
I6A	48.001530	.000000	14.758521	0.532577
I7A	48.512564	.000000	12.797047	0.812407
I7B	49.941570	.000000	19.538478	0.321419
I7C	51.379509	.000000	13.723131	0.649442
I8A	52.777151	.000000	8.174749	0.492524
I8B	54.076678	.000000	10.263586	0.362030
I8C	55.327705	.000000	6.401292	0.514432
I9A	56.155927	.000000	11.524510	1.198576
J10	66.419006	.000000	20.462946	.000000
K10	72.105756	.000000	23.795404	.000000
K1A	66.860428	.000000	18.764580	0.456885
K1B	66.699338	.000000	11.196442	0.655905
K2A	66.224174	.000000	5.656226	0.558978
K2B	65.527279	.000000	9.701278	0.323418
K2C	64.755949	.000000	7.202129	0.535701
K3A	63.876983	.000000	16.879583	1.020278
K3B	62.633089	.000000	27.020631	0.500643
K7A	65.243764	.000000	26.149318	0.521316
K7B	67.164026	.000000	16.776718	0.997874
K8A	68.571997	.000000	9.011382	0.617788
K8B	69.870158	.000000	13.207358	0.285876
K8C	71.091646	.000000	4.927062	0.769894
K9A	71.896473	.000000	14.088187	0.830252
K9B	72.085427	.000000	22.709775	0.591788
L10	82.193117	.000000	28.752517	.000000
L5A	60.237273	.000000	1.687015	.000000
M10	89.778623	.000000	31.380235	.000000
M3A	85.542621	.000000	17.952327	0.344481
M7A	86.711269	.000000	21.069587	0.382609
N10	94.519075	.000000	34.161844	.000000
N1A	92.941762	.000000	30.603904	1.471639
N1B	92.852368	.000000	43.658931	0.507610
N1C	92.752113	.000000	30.068739	1.299270
N2A	92.699838	.000000	13.833562	0.413116
N2B	92.793858	.000000	16.482636	0.243440
N2C	92.879590	.000000	13.687678	0.395690
N8A	94.439315	.000000	15.607338	0.453481
N8B	94.349388	.000000	19.256726	0.305495
N8C	94.250902	.000000	17.543223	0.472541
N9A	94.303790	.000000	39.543889	1.720733
N9B	94.406383	.000000	56.763372	0.669963

N9C	94.497837	.000000	36.719063	1.997207
P10	88.282812	.000000	34.792596	.000000

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S P R I N G F O R C E S

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

MODE 1 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	9.80E-05
F3	.000000	.000000	.000000	9.40E-05
F8	.000000	.000000	.000000	9.16E-05
F9	.000000	.000000	.000000	9.49E-05
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000

K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-6.15E-06
E2B	.000000	.000000	.000000	-5.89E-06
E3A	.000000	.000000	.000000	9.53E-06
E3B	.000000	.000000	.000000	1.05E-05
E3C	.000000	.000000	.000000	1.12E-05
E4A	.000000	.000000	.000000	3.01E-06
E4B	.000000	.000000	.000000	2.05E-06
E6A	.000000	.000000	.000000	2.11E-06
E6B	.000000	.000000	.000000	3.01E-06
E7A	.000000	.000000	.000000	1.09E-05
E7B	.000000	.000000	.000000	1.08E-05
E7C	.000000	.000000	.000000	1.05E-05
E8A	.000000	.000000	.000000	-6.28E-06
E8B	.000000	.000000	.000000	-6.78E-06
G2A	.000000	.000000	.000000	-4.30E-05
G2B	.000000	.000000	.000000	-3.93E-05
G2C	.000000	.000000	.000000	-3.46E-05
G3A	.000000	.000000	.000000	6.89E-05
G3B	.000000	.000000	.000000	6.54E-05
G3C	.000000	.000000	.000000	6.04E-05
G4A	.000000	.000000	.000000	1.60E-05
G6A	.000000	.000000	.000000	1.61E-05
G7A	.000000	.000000	.000000	6.50E-05
G7B	.000000	.000000	.000000	6.78E-05

G7C	.000000	.000000	.000000	6.85E-05
G8A	.000000	.000000	.000000	-3.76E-05
G8B	.000000	.000000	.000000	-4.30E-05
G8C	.000000	.000000	.000000	-4.73E-05
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.000149
I2A	.000000	.000000	.000000	-8.27E-05
I2B	.000000	.000000	.000000	-7.88E-05
I2C	.000000	.000000	.000000	-7.22E-05
I3A	.000000	.000000	.000000	0.000127
I3B	.000000	.000000	.000000	0.000125
I3C	.000000	.000000	.000000	0.000121
I4A	.000000	.000000	.000000	3.07E-05
I6A	.000000	.000000	.000000	3.12E-05
I7A	.000000	.000000	.000000	0.000127
I7B	.000000	.000000	.000000	0.000129
I7C	.000000	.000000	.000000	0.000129
I8A	.000000	.000000	.000000	-7.94E-05
I8B	.000000	.000000	.000000	-8.67E-05
I8C	.000000	.000000	.000000	-9.13E-05
I9A	.000000	.000000	.000000	-0.000136
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.000106
K1B	.000000	.000000	.000000	-0.000115
K2A	.000000	.000000	.000000	-0.000126
K2B	.000000	.000000	.000000	-0.000123
K2C	.000000	.000000	.000000	-0.000115
K3A	.000000	.000000	.000000	0.000190
K3B	.000000	.000000	.000000	0.000190
K7A	.000000	.000000	.000000	0.000195
K7B	.000000	.000000	.000000	0.000198
K8A	.000000	.000000	.000000	-0.000127
K8B	.000000	.000000	.000000	-0.000135
K8C	.000000	.000000	.000000	-0.000138
K9A	.000000	.000000	.000000	-0.000108
K9B	.000000	.000000	.000000	-9.88E-05
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000253
M7A	.000000	.000000	.000000	0.000261
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.000278
N1B	.000000	.000000	.000000	-0.000292
N1C	.000000	.000000	.000000	-0.000310
N2A	.000000	.000000	.000000	-0.000171
N2B	.000000	.000000	.000000	-0.000171
N2C	.000000	.000000	.000000	-0.000170
N8A	.000000	.000000	.000000	-0.000186
N8B	.000000	.000000	.000000	-0.000187
N8C	.000000	.000000	.000000	-0.000187
N9A	.000000	.000000	.000000	-0.000310
N9B	.000000	.000000	.000000	-0.000292
N9C	.000000	.000000	.000000	-0.000277
P10	.000000	.000000	.000000	.000000

MODE 2 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000

D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-1.56E-05
F3	.000000	.000000	.000000	-1.52E-05
F8	.000000	.000000	.000000	-1.85E-05
F9	.000000	.000000	.000000	-1.94E-05
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000

M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-1.13E-05
E2B	.000000	.000000	.000000	-1.03E-05
E3A	.000000	.000000	.000000	-2.82E-05
E3B	.000000	.000000	.000000	-2.03E-05
E3C	.000000	.000000	.000000	-1.17E-05
E4A	.000000	.000000	.000000	5.69E-05
E4B	.000000	.000000	.000000	5.83E-05
E6A	.000000	.000000	.000000	5.89E-05
E6B	.000000	.000000	.000000	5.68E-05
E7A	.000000	.000000	.000000	-1.07E-05
E7B	.000000	.000000	.000000	-1.99E-05
E7C	.000000	.000000	.000000	-2.84E-05
E8A	.000000	.000000	.000000	-1.11E-05
E8B	.000000	.000000	.000000	-1.25E-05
G2A	.000000	.000000	.000000	-8.62E-05
G2B	.000000	.000000	.000000	-6.78E-05
G2C	.000000	.000000	.000000	-4.49E-05
G3A	.000000	.000000	.000000	-0.000235
G3B	.000000	.000000	.000000	-0.000107
G3C	.000000	.000000	.000000	1.27E-05
G4A	.000000	.000000	.000000	0.000349
G6A	.000000	.000000	.000000	0.000351
G7A	.000000	.000000	.000000	1.43E-05
G7B	.000000	.000000	.000000	-0.000105
G7C	.000000	.000000	.000000	-0.000233
G8A	.000000	.000000	.000000	-4.99E-05
G8B	.000000	.000000	.000000	-7.46E-05
G8C	.000000	.000000	.000000	-9.45E-05
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.000310
I2A	.000000	.000000	.000000	-0.000169
I2B	.000000	.000000	.000000	-0.000146
I2C	.000000	.000000	.000000	-0.000110
I3A	.000000	.000000	.000000	-0.000435
I3B	.000000	.000000	.000000	-0.000209
I3C	.000000	.000000	.000000	-2.06E-05
I4A	.000000	.000000	.000000	0.000685
I6A	.000000	.000000	.000000	0.000690
I7A	.000000	.000000	.000000	-1.11E-05
I7B	.000000	.000000	.000000	-0.000203
I7C	.000000	.000000	.000000	-0.000434
I8A	.000000	.000000	.000000	-0.000125

I8B	.000000	.000000	.000000	-0.000162
I8C	.000000	.000000	.000000	-0.000185
I9A	.000000	.000000	.000000	-0.000291
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.000647
K1B	.000000	.000000	.000000	0.000662
K2A	.000000	.000000	.000000	-0.000257
K2B	.000000	.000000	.000000	-0.000236
K2C	.000000	.000000	.000000	-0.000189
K3A	.000000	.000000	.000000	-0.000565
K3B	.000000	.000000	.000000	-0.000256
K7A	.000000	.000000	.000000	-0.000245
K7B	.000000	.000000	.000000	-0.000563
K8A	.000000	.000000	.000000	-0.000214
K8B	.000000	.000000	.000000	-0.000261
K8C	.000000	.000000	.000000	-0.000281
K9A	.000000	.000000	.000000	0.000699
K9B	.000000	.000000	.000000	0.000685
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.000503
M7A	.000000	.000000	.000000	-0.000493
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.000137
N1B	.000000	.000000	.000000	-0.000178
N1C	.000000	.000000	.000000	-0.000230
N2A	.000000	.000000	.000000	-0.000335
N2B	.000000	.000000	.000000	-0.000337
N2C	.000000	.000000	.000000	-0.000333
N8A	.000000	.000000	.000000	-0.000370
N8B	.000000	.000000	.000000	-0.000373
N8C	.000000	.000000	.000000	-0.000371
N9A	.000000	.000000	.000000	-0.000231
N9B	.000000	.000000	.000000	-0.000174
N9C	.000000	.000000	.000000	-0.000130
P10	.000000	.000000	.000000	.000000

MODE 3 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-0.003948
F3	.000000	.000000	.000000	-0.003797
F8	.000000	.000000	.000000	-0.003791

F9	.000000	.000000	.000000	-0.003940
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000

P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	1.35E-07
E2B	.000000	.000000	.000000	-3.43E-06
E3A	.000000	.000000	.000000	4.38E-06
E3B	.000000	.000000	.000000	-1.58E-06
E3C	.000000	.000000	.000000	-7.33E-06
E4A	.000000	.000000	.000000	1.39E-06
E4B	.000000	.000000	.000000	7.07E-08
E6A	.000000	.000000	.000000	-1.28E-07
E6B	.000000	.000000	.000000	1.76E-06
E7A	.000000	.000000	.000000	-7.52E-07
E7B	.000000	.000000	.000000	-2.09E-06
E7C	.000000	.000000	.000000	-3.31E-06
E8A	.000000	.000000	.000000	-1.05E-06
E8B	.000000	.000000	.000000	6.47E-07
G2A	.000000	.000000	.000000	0.000156
G2B	.000000	.000000	.000000	6.08E-05
G2C	.000000	.000000	.000000	-3.37E-05
G3A	.000000	.000000	.000000	1.58E-05
G3B	.000000	.000000	.000000	-8.04E-05
G3C	.000000	.000000	.000000	-0.000155
G4A	.000000	.000000	.000000	6.64E-06
G6A	.000000	.000000	.000000	5.49E-06
G7A	.000000	.000000	.000000	-0.000154
G7B	.000000	.000000	.000000	-8.30E-05
G7C	.000000	.000000	.000000	8.55E-06
G8A	.000000	.000000	.000000	-3.39E-05
G8B	.000000	.000000	.000000	6.41E-05
G8C	.000000	.000000	.000000	0.000162
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.000369
I2A	.000000	.000000	.000000	0.000170
I2B	.000000	.000000	.000000	4.73E-05
I2C	.000000	.000000	.000000	-6.30E-05
I3A	.000000	.000000	.000000	4.81E-05
I3B	.000000	.000000	.000000	-5.85E-05
I3C	.000000	.000000	.000000	-0.000139
I4A	.000000	.000000	.000000	1.10E-05
I6A	.000000	.000000	.000000	1.02E-05
I7A	.000000	.000000	.000000	-0.000145
I7B	.000000	.000000	.000000	-6.35E-05
I7C	.000000	.000000	.000000	4.51E-05
I8A	.000000	.000000	.000000	-6.29E-05
I8B	.000000	.000000	.000000	5.18E-05
I8C	.000000	.000000	.000000	0.000179
I9A	.000000	.000000	.000000	-0.000390
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.000110
K1B	.000000	.000000	.000000	-0.000133
K2A	.000000	.000000	.000000	0.000190
K2B	.000000	.000000	.000000	4.11E-05
K2C	.000000	.000000	.000000	-9.68E-05
K3A	.000000	.000000	.000000	5.26E-05
K3B	.000000	.000000	.000000	-5.65E-05
K7A	.000000	.000000	.000000	-6.56E-05
K7B	.000000	.000000	.000000	5.43E-05
K8A	.000000	.000000	.000000	-9.94E-05
K8B	.000000	.000000	.000000	4.56E-05
K8C	.000000	.000000	.000000	0.000202
K9A	.000000	.000000	.000000	-0.000140

K9B	.000000	.000000	.000000	-0.000116
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	1.17E-05
M7A	.000000	.000000	.000000	6.36E-06
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.000137
N1B	.000000	.000000	.000000	-0.000162
N1C	.000000	.000000	.000000	-0.000194
N2A	.000000	.000000	.000000	5.95E-05
N2B	.000000	.000000	.000000	4.84E-05
N2C	.000000	.000000	.000000	3.34E-05
N8A	.000000	.000000	.000000	3.69E-05
N8B	.000000	.000000	.000000	5.26E-05
N8C	.000000	.000000	.000000	6.42E-05
N9A	.000000	.000000	.000000	-0.000202
N9B	.000000	.000000	.000000	-0.000169
N9C	.000000	.000000	.000000	-0.000142
P10	.000000	.000000	.000000	.000000

MODE 4 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	1.39E-06
F3	.000000	.000000	.000000	-3.91E-06
F8	.000000	.000000	.000000	0.000228
F9	.000000	.000000	.000000	0.000237
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000

I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-4.35E-05
E2B	.000000	.000000	.000000	-3.39E-05
E3A	.000000	.000000	.000000	1.02E-05
E3B	.000000	.000000	.000000	2.73E-05
E3C	.000000	.000000	.000000	4.17E-05
E4A	.000000	.000000	.000000	7.65E-06
E4B	.000000	.000000	.000000	4.77E-06
E6A	.000000	.000000	.000000	-1.85E-06
E6B	.000000	.000000	.000000	2.74E-06
E7A	.000000	.000000	.000000	-4.55E-05
E7B	.000000	.000000	.000000	-2.24E-05
E7C	.000000	.000000	.000000	3.37E-06
E8A	.000000	.000000	.000000	3.94E-05
E8B	.000000	.000000	.000000	4.97E-05
G2A	.000000	.000000	.000000	-0.000389

G2B	.000000	.000000	.000000	-0.000257
G2C	.000000	.000000	.000000	-9.20E-05
G3A	.000000	.000000	.000000	-7.39E-05
G3B	.000000	.000000	.000000	0.000214
G3C	.000000	.000000	.000000	0.000427
G4A	.000000	.000000	.000000	3.83E-05
G6A	.000000	.000000	.000000	6.78E-06
G7A	.000000	.000000	.000000	-0.000510
G7B	.000000	.000000	.000000	-0.000196
G7C	.000000	.000000	.000000	0.000205
G8A	.000000	.000000	.000000	0.000122
G8B	.000000	.000000	.000000	0.000291
G8C	.000000	.000000	.000000	0.000423
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.001209
I2A	.000000	.000000	.000000	-0.000815
I2B	.000000	.000000	.000000	-0.000616
I2C	.000000	.000000	.000000	-0.000313
I3A	.000000	.000000	.000000	-0.000139
I3B	.000000	.000000	.000000	0.000495
I3C	.000000	.000000	.000000	0.000946
I4A	.000000	.000000	.000000	7.11E-05
I6A	.000000	.000000	.000000	7.30E-06
I7A	.000000	.000000	.000000	-0.001056
I7B	.000000	.000000	.000000	-0.000453
I7C	.000000	.000000	.000000	0.000366
I8A	.000000	.000000	.000000	0.000418
I8B	.000000	.000000	.000000	0.000691
I8C	.000000	.000000	.000000	0.000838
I9A	.000000	.000000	.000000	-0.000977
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.000917
K1B	.000000	.000000	.000000	0.000734
K2A	.000000	.000000	.000000	-0.001252
K2B	.000000	.000000	.000000	-0.001044
K2C	.000000	.000000	.000000	-0.000623
K3A	.000000	.000000	.000000	-2.22E-05
K3B	.000000	.000000	.000000	0.000872
K7A	.000000	.000000	.000000	-0.000843
K7B	.000000	.000000	.000000	0.000235
K8A	.000000	.000000	.000000	0.000828
K8B	.000000	.000000	.000000	0.001155
K8C	.000000	.000000	.000000	0.001230
K9A	.000000	.000000	.000000	-0.000515
K9B	.000000	.000000	.000000	-0.000764
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000648
M7A	.000000	.000000	.000000	-0.000521
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	0.000297
N1B	.000000	.000000	.000000	5.83E-05
N1C	.000000	.000000	.000000	-0.000263
N2A	.000000	.000000	.000000	-0.001450
N2B	.000000	.000000	.000000	-0.001476
N2C	.000000	.000000	.000000	-0.001453
N8A	.000000	.000000	.000000	0.001554
N8B	.000000	.000000	.000000	0.001569
N8C	.000000	.000000	.000000	0.001534
N9A	.000000	.000000	.000000	0.000106
N9B	.000000	.000000	.000000	-0.000214

N9C	.000000	.000000	.000000	-0.000447
P10	.000000	.000000	.000000	.000000

MODE 5 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-0.001060
F3	.000000	.000000	.000000	-0.001010
F8	.000000	.000000	.000000	-0.001014
F9	.000000	.000000	.000000	-0.001075
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000

L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-2.41E-05
E2B	.000000	.000000	.000000	-1.21E-05
E3A	.000000	.000000	.000000	-7.68E-05
E3B	.000000	.000000	.000000	-2.72E-05
E3C	.000000	.000000	.000000	2.41E-05
E4A	.000000	.000000	.000000	-2.43E-05
E4B	.000000	.000000	.000000	9.02E-06
E6A	.000000	.000000	.000000	9.72E-06
E6B	.000000	.000000	.000000	-2.57E-05
E7A	.000000	.000000	.000000	5.09E-06
E7B	.000000	.000000	.000000	-3.07E-05
E7C	.000000	.000000	.000000	-6.39E-05
E8A	.000000	.000000	.000000	-9.20E-06
E8B	.000000	.000000	.000000	-1.87E-05
G2A	.000000	.000000	.000000	-0.000282
G2B	.000000	.000000	.000000	-0.000106
G2C	.000000	.000000	.000000	7.55E-05
G3A	.000000	.000000	.000000	-0.000857
G3B	.000000	.000000	.000000	-7.16E-05
G3C	.000000	.000000	.000000	0.000626
G4A	.000000	.000000	.000000	-7.61E-05
G6A	.000000	.000000	.000000	-7.39E-05
G7A	.000000	.000000	.000000	0.000547
G7B	.000000	.000000	.000000	-0.000102
G7C	.000000	.000000	.000000	-0.000825
G8A	.000000	.000000	.000000	0.000101
G8B	.000000	.000000	.000000	-7.17E-05
G8C	.000000	.000000	.000000	-0.000243
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.001611
I2A	.000000	.000000	.000000	-0.000501
I2B	.000000	.000000	.000000	-0.000195
I2C	.000000	.000000	.000000	0.000115

I3A	.000000	.000000	.000000	-0.001456
I3B	.000000	.000000	.000000	-0.000148
I3C	.000000	.000000	.000000	0.000910
I4A	.000000	.000000	.000000	-0.000100
I6A	.000000	.000000	.000000	-0.000100
I7A	.000000	.000000	.000000	0.000762
I7B	.000000	.000000	.000000	-0.000220
I7C	.000000	.000000	.000000	-0.001420
I8A	.000000	.000000	.000000	0.000192
I8B	.000000	.000000	.000000	-0.000101
I8C	.000000	.000000	.000000	-0.000414
I9A	.000000	.000000	.000000	-0.001870
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.000750
K1B	.000000	.000000	.000000	-0.000969
K2A	.000000	.000000	.000000	-0.000805
K2B	.000000	.000000	.000000	-0.000287
K2C	.000000	.000000	.000000	0.000247
K3A	.000000	.000000	.000000	-0.001315
K3B	.000000	.000000	.000000	-1.14E-05
K7A	.000000	.000000	.000000	-0.000130
K7B	.000000	.000000	.000000	-0.001315
K8A	.000000	.000000	.000000	0.000447
K8B	.000000	.000000	.000000	-0.000106
K8C	.000000	.000000	.000000	-0.000694
K9A	.000000	.000000	.000000	-0.001162
K9B	.000000	.000000	.000000	-0.000972
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.000638
M7A	.000000	.000000	.000000	-0.000733
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	0.000273
N1B	.000000	.000000	.000000	0.000281
N1C	.000000	.000000	.000000	0.000281
N2A	.000000	.000000	.000000	-0.000418
N2B	.000000	.000000	.000000	-0.000407
N2C	.000000	.000000	.000000	-0.000376
N8A	.000000	.000000	.000000	-9.39E-05
N8B	.000000	.000000	.000000	-0.000125
N8C	.000000	.000000	.000000	-0.000146
N9A	.000000	.000000	.000000	0.000398
N9B	.000000	.000000	.000000	0.000311
N9C	.000000	.000000	.000000	0.000237
P10	.000000	.000000	.000000	.000000

MODE 6 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000

E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	0.000150
F3	.000000	.000000	.000000	0.000140
F8	.000000	.000000	.000000	0.000177
F9	.000000	.000000	.000000	0.000196
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000

N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	8.61E-06
E2B	.000000	.000000	.000000	-1.81E-09
E3A	.000000	.000000	.000000	-5.63E-06
E3B	.000000	.000000	.000000	-1.54E-05
E3C	.000000	.000000	.000000	-2.29E-05
E4A	.000000	.000000	.000000	1.43E-06
E4B	.000000	.000000	.000000	5.89E-07
E6A	.000000	.000000	.000000	1.25E-06
E6B	.000000	.000000	.000000	-2.00E-06
E7A	.000000	.000000	.000000	-1.79E-05
E7B	.000000	.000000	.000000	-2.57E-05
E7C	.000000	.000000	.000000	-3.00E-05
E8A	.000000	.000000	.000000	-6.01E-06
E8B	.000000	.000000	.000000	1.30E-05
G2A	.000000	.000000	.000000	0.000660
G2B	.000000	.000000	.000000	-4.25E-05
G2C	.000000	.000000	.000000	-0.000689
G3A	.000000	.000000	.000000	0.000132
G3B	.000000	.000000	.000000	-0.000134
G3C	.000000	.000000	.000000	-0.000334
G4A	.000000	.000000	.000000	-1.76E-07
G6A	.000000	.000000	.000000	-1.26E-06
G7A	.000000	.000000	.000000	-0.000696
G7B	.000000	.000000	.000000	-0.000246
G7C	.000000	.000000	.000000	0.000339
G8A	.000000	.000000	.000000	-0.001421
G8B	.000000	.000000	.000000	-0.000114
G8C	.000000	.000000	.000000	0.001314
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.000248
I2A	.000000	.000000	.000000	0.002294
I2B	.000000	.000000	.000000	-0.000398
I2C	.000000	.000000	.000000	-0.002607
I3A	.000000	.000000	.000000	0.000197
I3B	.000000	.000000	.000000	-0.000241
I3C	.000000	.000000	.000000	-0.000557
I4A	.000000	.000000	.000000	1.97E-06
I6A	.000000	.000000	.000000	3.49E-08
I7A	.000000	.000000	.000000	-0.001255
I7B	.000000	.000000	.000000	-0.000483
I7C	.000000	.000000	.000000	0.000567
I8A	.000000	.000000	.000000	-0.005830
I8B	.000000	.000000	.000000	-0.000931
I8C	.000000	.000000	.000000	0.005057
I9A	.000000	.000000	.000000	-0.000263
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	3.97E-05
K1B	.000000	.000000	.000000	-7.73E-05
K2A	.000000	.000000	.000000	0.018839
K2B	.000000	.000000	.000000	-0.002588

K2C	.000000	.000000	.000000	-0.021106
K3A	.000000	.000000	.000000	9.49E-05
K3B	.000000	.000000	.000000	-0.000369
K7A	.000000	.000000	.000000	-0.000768
K7B	.000000	.000000	.000000	0.000317
K8A	.000000	.000000	.000000	-0.048303
K8B	.000000	.000000	.000000	-0.005981
K8C	.000000	.000000	.000000	0.043020
K9A	.000000	.000000	.000000	-3.19E-05
K9B	.000000	.000000	.000000	0.000234
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.000198
M7A	.000000	.000000	.000000	-0.000360
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	0.000115
N1B	.000000	.000000	.000000	5.47E-05
N1C	.000000	.000000	.000000	-2.90E-05
N2A	.000000	.000000	.000000	0.000157
N2B	.000000	.000000	.000000	8.24E-05
N2C	.000000	.000000	.000000	-1.49E-05
N8A	.000000	.000000	.000000	-0.000102
N8B	.000000	.000000	.000000	0.000125
N8C	.000000	.000000	.000000	0.000302
N9A	.000000	.000000	.000000	-1.90E-05
N9B	.000000	.000000	.000000	0.000187
N9C	.000000	.000000	.000000	0.000334
P10	.000000	.000000	.000000	.000000

MODE 7 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-0.000100
F3	.000000	.000000	.000000	-9.04E-05
F8	.000000	.000000	.000000	-1.72E-05
F9	.000000	.000000	.000000	-1.54E-05
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000

H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-9.57E-06
E2B	.000000	.000000	.000000	1.49E-05
E3A	.000000	.000000	.000000	1.28E-05
E3B	.000000	.000000	.000000	1.84E-05
E3C	.000000	.000000	.000000	2.16E-05
E4A	.000000	.000000	.000000	4.46E-06

E4B	.000000	.000000	.000000	-1.79E-06
E6A	.000000	.000000	.000000	-1.20E-06
E6B	.000000	.000000	.000000	1.27E-07
E7A	.000000	.000000	.000000	9.60E-06
E7B	.000000	.000000	.000000	-3.40E-06
E7C	.000000	.000000	.000000	-1.61E-05
E8A	.000000	.000000	.000000	-1.05E-06
E8B	.000000	.000000	.000000	-4.18E-07
G2A	.000000	.000000	.000000	-0.001065
G2B	.000000	.000000	.000000	0.000103
G2C	.000000	.000000	.000000	0.001169
G3A	.000000	.000000	.000000	-0.000311
G3B	.000000	.000000	.000000	0.000189
G3C	.000000	.000000	.000000	0.000579
G4A	.000000	.000000	.000000	-4.19E-06
G6A	.000000	.000000	.000000	8.67E-07
G7A	.000000	.000000	.000000	-0.000195
G7B	.000000	.000000	.000000	-4.90E-05
G7C	.000000	.000000	.000000	0.000132
G8A	.000000	.000000	.000000	-0.000441
G8B	.000000	.000000	.000000	-5.83E-05
G8C	.000000	.000000	.000000	0.000366
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	7.70E-05
I2A	.000000	.000000	.000000	-0.004417
I2B	.000000	.000000	.000000	0.000821
I2C	.000000	.000000	.000000	0.005104
I3A	.000000	.000000	.000000	-0.000559
I3B	.000000	.000000	.000000	0.000401
I3C	.000000	.000000	.000000	0.001113
I4A	.000000	.000000	.000000	-3.61E-06
I6A	.000000	.000000	.000000	-6.37E-06
I7A	.000000	.000000	.000000	-0.000427
I7B	.000000	.000000	.000000	-0.000130
I7C	.000000	.000000	.000000	0.000264
I8A	.000000	.000000	.000000	-0.002175
I8B	.000000	.000000	.000000	-0.000383
I8C	.000000	.000000	.000000	0.001823
I9A	.000000	.000000	.000000	0.000136
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.000273
K1B	.000000	.000000	.000000	-5.65E-05
K2A	.000000	.000000	.000000	-0.043498
K2B	.000000	.000000	.000000	0.006062
K2C	.000000	.000000	.000000	0.048862
K3A	.000000	.000000	.000000	-0.000340
K3B	.000000	.000000	.000000	0.000663
K7A	.000000	.000000	.000000	-0.000231
K7B	.000000	.000000	.000000	0.000176
K8A	.000000	.000000	.000000	-0.021437
K8B	.000000	.000000	.000000	-0.002709
K8C	.000000	.000000	.000000	0.018996
K9A	.000000	.000000	.000000	9.90E-05
K9B	.000000	.000000	.000000	0.000202
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000282
M7A	.000000	.000000	.000000	-6.91E-05
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.000297
N1B	.000000	.000000	.000000	-0.000169

N1C	.000000	.000000	.000000	1.14E-05
N2A	.000000	.000000	.000000	-0.000259
N2B	.000000	.000000	.000000	-0.000107
N2C	.000000	.000000	.000000	8.80E-05
N8A	.000000	.000000	.000000	-0.000106
N8B	.000000	.000000	.000000	-1.87E-05
N8C	.000000	.000000	.000000	5.24E-05
N9A	.000000	.000000	.000000	1.91E-05
N9B	.000000	.000000	.000000	0.000112
N9C	.000000	.000000	.000000	0.000178
P10	.000000	.000000	.000000	.000000

MODE 8 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	0.000137
F3	.000000	.000000	.000000	0.000127
F8	.000000	.000000	.000000	0.000150
F9	.000000	.000000	.000000	0.000167
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000

K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	9.38E-06
E2B	.000000	.000000	.000000	-6.49E-06
E3A	.000000	.000000	.000000	7.35E-06
E3B	.000000	.000000	.000000	-1.51E-05
E3C	.000000	.000000	.000000	-3.49E-05
E4A	.000000	.000000	.000000	6.61E-07
E4B	.000000	.000000	.000000	8.75E-07
E6A	.000000	.000000	.000000	1.53E-06
E6B	.000000	.000000	.000000	-2.19E-06
E7A	.000000	.000000	.000000	-2.60E-05
E7B	.000000	.000000	.000000	-2.11E-05
E7C	.000000	.000000	.000000	-1.27E-05
E8A	.000000	.000000	.000000	-1.13E-05
E8B	.000000	.000000	.000000	1.23E-05
G2A	.000000	.000000	.000000	0.001383
G2B	.000000	.000000	.000000	-0.000146
G2C	.000000	.000000	.000000	-0.001536
G3A	.000000	.000000	.000000	0.000310
G3B	.000000	.000000	.000000	-0.000163
G3C	.000000	.000000	.000000	-0.000534
G4A	.000000	.000000	.000000	-5.34E-06
G6A	.000000	.000000	.000000	3.31E-06
G7A	.000000	.000000	.000000	-0.000824
G7B	.000000	.000000	.000000	-0.000241

G7C	.000000	.000000	.000000	0.000501
G8A	.000000	.000000	.000000	-0.002412
G8B	.000000	.000000	.000000	-0.000244
G8C	.000000	.000000	.000000	0.002146
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.000245
I2A	.000000	.000000	.000000	0.025141
I2B	.000000	.000000	.000000	-0.005124
I2C	.000000	.000000	.000000	-0.029669
I3A	.000000	.000000	.000000	0.000463
I3B	.000000	.000000	.000000	-0.000295
I3C	.000000	.000000	.000000	-0.000859
I4A	.000000	.000000	.000000	3.70E-06
I6A	.000000	.000000	.000000	3.57E-06
I7A	.000000	.000000	.000000	-0.001393
I7B	.000000	.000000	.000000	-0.000457
I7C	.000000	.000000	.000000	0.000796
I8A	.000000	.000000	.000000	-0.049097
I8B	.000000	.000000	.000000	-0.008506
I8C	.000000	.000000	.000000	0.041559
I9A	.000000	.000000	.000000	-0.000288
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-3.45E-05
K1B	.000000	.000000	.000000	-0.000139
K2A	.000000	.000000	.000000	-0.003975
K2B	.000000	.000000	.000000	0.000655
K2C	.000000	.000000	.000000	0.004612
K3A	.000000	.000000	.000000	0.000169
K3B	.000000	.000000	.000000	-0.000349
K7A	.000000	.000000	.000000	-0.000545
K7B	.000000	.000000	.000000	0.000319
K8A	.000000	.000000	.000000	0.007767
K8B	.000000	.000000	.000000	0.001065
K8C	.000000	.000000	.000000	-0.006759
K9A	.000000	.000000	.000000	-0.000174
K9B	.000000	.000000	.000000	1.09E-05
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.000157
M7A	.000000	.000000	.000000	-0.000225
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	6.27E-05
N1B	.000000	.000000	.000000	1.24E-06
N1C	.000000	.000000	.000000	-8.05E-05
N2A	.000000	.000000	.000000	0.000169
N2B	.000000	.000000	.000000	0.000102
N2C	.000000	.000000	.000000	1.27E-05
N8A	.000000	.000000	.000000	-2.28E-05
N8B	.000000	.000000	.000000	0.000124
N8C	.000000	.000000	.000000	0.000236
N9A	.000000	.000000	.000000	-0.000113
N9B	.000000	.000000	.000000	3.72E-05
N9C	.000000	.000000	.000000	0.000148
P10	.000000	.000000	.000000	.000000

MODE 9 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000

D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-6.71E-05
F3	.000000	.000000	.000000	-5.96E-05
F8	.000000	.000000	.000000	4.73E-06
F9	.000000	.000000	.000000	8.60E-06
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000

M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-7.02E-06
E2B	.000000	.000000	.000000	6.78E-06
E3A	.000000	.000000	.000000	1.87E-06
E3B	.000000	.000000	.000000	1.36E-05
E3C	.000000	.000000	.000000	2.32E-05
E4A	.000000	.000000	.000000	-1.93E-06
E4B	.000000	.000000	.000000	3.15E-07
E6A	.000000	.000000	.000000	-8.34E-07
E6B	.000000	.000000	.000000	-4.82E-07
E7A	.000000	.000000	.000000	-7.74E-06
E7B	.000000	.000000	.000000	-5.39E-06
E7C	.000000	.000000	.000000	-2.15E-06
E8A	.000000	.000000	.000000	-9.48E-06
E8B	.000000	.000000	.000000	1.50E-06
G2A	.000000	.000000	.000000	-0.001670
G2B	.000000	.000000	.000000	0.000207
G2C	.000000	.000000	.000000	0.001905
G3A	.000000	.000000	.000000	-0.000415
G3B	.000000	.000000	.000000	0.000172
G3C	.000000	.000000	.000000	0.000639
G4A	.000000	.000000	.000000	-4.87E-06
G6A	.000000	.000000	.000000	-1.57E-06
G7A	.000000	.000000	.000000	-0.000331
G7B	.000000	.000000	.000000	-8.01E-05
G7C	.000000	.000000	.000000	0.000231
G8A	.000000	.000000	.000000	-0.001070
G8B	.000000	.000000	.000000	-0.000131
G8C	.000000	.000000	.000000	0.000911
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	6.24E-05
I2A	.000000	.000000	.000000	-0.041930
I2B	.000000	.000000	.000000	0.008621
I2C	.000000	.000000	.000000	0.049592
I3A	.000000	.000000	.000000	-0.000741
I3B	.000000	.000000	.000000	0.000368
I3C	.000000	.000000	.000000	0.001203
I4A	.000000	.000000	.000000	-4.19E-06
I6A	.000000	.000000	.000000	-5.13E-06
I7A	.000000	.000000	.000000	-0.000667
I7B	.000000	.000000	.000000	-0.000189
I7C	.000000	.000000	.000000	0.000441
I8A	.000000	.000000	.000000	-0.029970

I8B	.000000	.000000	.000000	-0.005237
I8C	.000000	.000000	.000000	0.025291
I9A	.000000	.000000	.000000	7.15E-05
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-7.58E-05
K1B	.000000	.000000	.000000	6.46E-05
K2A	.000000	.000000	.000000	0.005505
K2B	.000000	.000000	.000000	-0.000849
K2C	.000000	.000000	.000000	-0.006299
K3A	.000000	.000000	.000000	-0.000315
K3B	.000000	.000000	.000000	0.000434
K7A	.000000	.000000	.000000	-0.000218
K7B	.000000	.000000	.000000	0.000198
K8A	.000000	.000000	.000000	0.003892
K8B	.000000	.000000	.000000	0.000482
K8C	.000000	.000000	.000000	-0.003475
K9A	.000000	.000000	.000000	3.75E-06
K9B	.000000	.000000	.000000	0.000103
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000150
M7A	.000000	.000000	.000000	-5.81E-05
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.000136
N1B	.000000	.000000	.000000	-4.75E-05
N1C	.000000	.000000	.000000	7.30E-05
N2A	.000000	.000000	.000000	-0.000178
N2B	.000000	.000000	.000000	-8.38E-05
N2C	.000000	.000000	.000000	3.82E-05
N8A	.000000	.000000	.000000	-8.13E-05
N8B	.000000	.000000	.000000	-4.47E-06
N8C	.000000	.000000	.000000	5.74E-05
N9A	.000000	.000000	.000000	-2.88E-05
N9B	.000000	.000000	.000000	6.16E-05
N9C	.000000	.000000	.000000	0.000127
P10	.000000	.000000	.000000	.000000

MODE 10 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	0.000144
F3	.000000	.000000	.000000	0.000133
F8	.000000	.000000	.000000	0.000148

F9	.000000	.000000	.000000	0.000165
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000

P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	1.27E-05
E2B	.000000	.000000	.000000	-1.01E-05
E3A	.000000	.000000	.000000	3.06E-06
E3B	.000000	.000000	.000000	-1.74E-05
E3C	.000000	.000000	.000000	-3.47E-05
E4A	.000000	.000000	.000000	3.86E-06
E4B	.000000	.000000	.000000	4.47E-08
E6A	.000000	.000000	.000000	2.21E-06
E6B	.000000	.000000	.000000	-3.57E-06
E7A	.000000	.000000	.000000	-1.48E-05
E7B	.000000	.000000	.000000	-2.06E-05
E7C	.000000	.000000	.000000	-2.30E-05
E8A	.000000	.000000	.000000	-6.61E-06
E8B	.000000	.000000	.000000	1.45E-05
G2A	.000000	.000000	.000000	0.032974
G2B	.000000	.000000	.000000	-0.004872
G2C	.000000	.000000	.000000	-0.038787
G3A	.000000	.000000	.000000	0.000833
G3B	.000000	.000000	.000000	-0.000274
G3C	.000000	.000000	.000000	-0.001162
G4A	.000000	.000000	.000000	2.21E-07
G6A	.000000	.000000	.000000	2.78E-06
G7A	.000000	.000000	.000000	-0.001450
G7B	.000000	.000000	.000000	-0.000336
G7C	.000000	.000000	.000000	0.001048
G8A	.000000	.000000	.000000	-0.048401
G8B	.000000	.000000	.000000	-0.006086
G8C	.000000	.000000	.000000	0.041137
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.000401
I2A	.000000	.000000	.000000	-0.002288
I2B	.000000	.000000	.000000	0.000585
I2C	.000000	.000000	.000000	0.002868
I3A	.000000	.000000	.000000	0.000793
I3B	.000000	.000000	.000000	-0.000339
I3C	.000000	.000000	.000000	-0.001196
I4A	.000000	.000000	.000000	5.91E-06
I6A	.000000	.000000	.000000	6.18E-06
I7A	.000000	.000000	.000000	-0.001518
I7B	.000000	.000000	.000000	-0.000420
I7C	.000000	.000000	.000000	0.001025
I8A	.000000	.000000	.000000	0.003693
I8B	.000000	.000000	.000000	0.000739
I8C	.000000	.000000	.000000	-0.002969
I9A	.000000	.000000	.000000	-0.000483
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-9.92E-05
K1B	.000000	.000000	.000000	-0.000184
K2A	.000000	.000000	.000000	-0.001372
K2B	.000000	.000000	.000000	0.000315
K2C	.000000	.000000	.000000	0.001723
K3A	.000000	.000000	.000000	0.000246
K3B	.000000	.000000	.000000	-0.000361
K7A	.000000	.000000	.000000	-0.000446
K7B	.000000	.000000	.000000	0.000326
K8A	.000000	.000000	.000000	0.002249
K8B	.000000	.000000	.000000	0.000390
K8C	.000000	.000000	.000000	-0.001828
K9A	.000000	.000000	.000000	-0.000222

K9B	.000000	.000000	.000000	-0.000102
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.000137
M7A	.000000	.000000	.000000	-0.000165
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	1.35E-05
N1B	.000000	.000000	.000000	-3.93E-05
N1C	.000000	.000000	.000000	-0.000107
N2A	.000000	.000000	.000000	0.000185
N2B	.000000	.000000	.000000	0.000129
N2C	.000000	.000000	.000000	5.04E-05
N8A	.000000	.000000	.000000	3.97E-05
N8B	.000000	.000000	.000000	0.000141
N8C	.000000	.000000	.000000	0.000215
N9A	.000000	.000000	.000000	-0.000135
N9B	.000000	.000000	.000000	-3.56E-05
N9C	.000000	.000000	.000000	4.04E-05
P10	.000000	.000000	.000000	.000000

MODE 11 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	4.77E-05
F3	.000000	.000000	.000000	4.23E-05
F8	.000000	.000000	.000000	-2.40E-05
F9	.000000	.000000	.000000	-2.93E-05
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000

I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	6.94E-06
E2B	.000000	.000000	.000000	-7.28E-06
E3A	.000000	.000000	.000000	8.43E-06
E3B	.000000	.000000	.000000	-1.12E-05
E3C	.000000	.000000	.000000	-2.87E-05
E4A	.000000	.000000	.000000	-1.22E-06
E4B	.000000	.000000	.000000	3.19E-07
E6A	.000000	.000000	.000000	4.90E-07
E6B	.000000	.000000	.000000	1.10E-06
E7A	.000000	.000000	.000000	5.86E-06
E7B	.000000	.000000	.000000	7.79E-06
E7C	.000000	.000000	.000000	8.44E-06
E8A	.000000	.000000	.000000	7.00E-06
E8B	.000000	.000000	.000000	-4.06E-06
G2A	.000000	.000000	.000000	0.041377

G2B	.000000	.000000	.000000	-0.006173
G2C	.000000	.000000	.000000	-0.048766
G3A	.000000	.000000	.000000	0.000761
G3B	.000000	.000000	.000000	-0.000216
G3C	.000000	.000000	.000000	-0.001009
G4A	.000000	.000000	.000000	1.86E-06
G6A	.000000	.000000	.000000	1.05E-06
G7A	.000000	.000000	.000000	0.000780
G7B	.000000	.000000	.000000	0.000163
G7C	.000000	.000000	.000000	-0.000596
G8A	.000000	.000000	.000000	0.039054
G8B	.000000	.000000	.000000	0.004952
G8C	.000000	.000000	.000000	-0.033121
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.000177
I2A	.000000	.000000	.000000	-0.002003
I2B	.000000	.000000	.000000	0.000469
I2C	.000000	.000000	.000000	0.002447
I3A	.000000	.000000	.000000	0.000768
I3B	.000000	.000000	.000000	-0.000263
I3C	.000000	.000000	.000000	-0.001053
I4A	.000000	.000000	.000000	3.10E-06
I6A	.000000	.000000	.000000	3.66E-06
I7A	.000000	.000000	.000000	0.000811
I7B	.000000	.000000	.000000	0.000195
I7C	.000000	.000000	.000000	-0.000607
I8A	.000000	.000000	.000000	-0.002054
I8B	.000000	.000000	.000000	-0.000375
I8C	.000000	.000000	.000000	0.001712
I9A	.000000	.000000	.000000	9.40E-05
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-1.25E-06
K1B	.000000	.000000	.000000	-7.94E-05
K2A	.000000	.000000	.000000	-0.001242
K2B	.000000	.000000	.000000	0.000227
K2C	.000000	.000000	.000000	0.001471
K3A	.000000	.000000	.000000	0.000263
K3B	.000000	.000000	.000000	-0.000265
K7A	.000000	.000000	.000000	0.000191
K7B	.000000	.000000	.000000	-0.000209
K8A	.000000	.000000	.000000	-0.001266
K8B	.000000	.000000	.000000	-0.000166
K8C	.000000	.000000	.000000	0.001118
K9A	.000000	.000000	.000000	4.96E-05
K9B	.000000	.000000	.000000	-3.08E-05
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-6.83E-05
M7A	.000000	.000000	.000000	4.03E-05
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	5.37E-05
N1B	.000000	.000000	.000000	-8.63E-07
N1C	.000000	.000000	.000000	-7.36E-05
N2A	.000000	.000000	.000000	0.000107
N2B	.000000	.000000	.000000	5.60E-05
N2C	.000000	.000000	.000000	-1.11E-05
N8A	.000000	.000000	.000000	5.02E-05
N8B	.000000	.000000	.000000	-9.73E-06
N8C	.000000	.000000	.000000	-5.73E-05
N9A	.000000	.000000	.000000	5.40E-05
N9B	.000000	.000000	.000000	-2.16E-05

N9C	.000000	.000000	.000000	-7.73E-05
P10	.000000	.000000	.000000	.000000

MODE 12 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-0.000201
F3	.000000	.000000	.000000	-0.000185
F8	.000000	.000000	.000000	-0.000214
F9	.000000	.000000	.000000	-0.000242
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000

L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-2.75E-05
E2B	.000000	.000000	.000000	1.70E-05
E3A	.000000	.000000	.000000	-1.93E-05
E3B	.000000	.000000	.000000	2.28E-05
E3C	.000000	.000000	.000000	5.93E-05
E4A	.000000	.000000	.000000	6.44E-06
E4B	.000000	.000000	.000000	5.52E-06
E6A	.000000	.000000	.000000	7.64E-06
E6B	.000000	.000000	.000000	1.03E-05
E7A	.000000	.000000	.000000	3.93E-05
E7B	.000000	.000000	.000000	2.62E-05
E7C	.000000	.000000	.000000	8.10E-06
E8A	.000000	.000000	.000000	5.52E-06
E8B	.000000	.000000	.000000	-3.27E-05
G2A	.000000	.000000	.000000	0.002012
G2B	.000000	.000000	.000000	-0.000487
G2C	.000000	.000000	.000000	-0.002657
G3A	.000000	.000000	.000000	-0.030270
G3B	.000000	.000000	.000000	0.005543
G3C	.000000	.000000	.000000	0.035208
G4A	.000000	.000000	.000000	3.04E-05
G6A	.000000	.000000	.000000	3.98E-05
G7A	.000000	.000000	.000000	0.047401
G7B	.000000	.000000	.000000	0.007441
G7C	.000000	.000000	.000000	-0.040792
G8A	.000000	.000000	.000000	-0.003463
G8B	.000000	.000000	.000000	-0.000623
G8C	.000000	.000000	.000000	0.002638
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.000704
I2A	.000000	.000000	.000000	0.001547
I2B	.000000	.000000	.000000	-0.000609
I2C	.000000	.000000	.000000	-0.002236

I3A	.000000	.000000	.000000	-0.012565
I3B	.000000	.000000	.000000	0.003018
I3C	.000000	.000000	.000000	0.015153
I4A	.000000	.000000	.000000	2.93E-05
I6A	.000000	.000000	.000000	3.55E-05
I7A	.000000	.000000	.000000	0.020655
I7B	.000000	.000000	.000000	0.004078
I7C	.000000	.000000	.000000	-0.017199
I8A	.000000	.000000	.000000	-0.003000
I8B	.000000	.000000	.000000	-0.000787
I8C	.000000	.000000	.000000	0.002121
I9A	.000000	.000000	.000000	0.000849
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.000268
K1B	.000000	.000000	.000000	0.000394
K2A	.000000	.000000	.000000	0.001361
K2B	.000000	.000000	.000000	-0.000521
K2C	.000000	.000000	.000000	-0.002004
K3A	.000000	.000000	.000000	-0.000988
K3B	.000000	.000000	.000000	0.000964
K7A	.000000	.000000	.000000	0.001250
K7B	.000000	.000000	.000000	-0.001400
K8A	.000000	.000000	.000000	-0.002707
K8B	.000000	.000000	.000000	-0.000653
K8C	.000000	.000000	.000000	0.001921
K9A	.000000	.000000	.000000	0.000483
K9B	.000000	.000000	.000000	0.000294
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000284
M7A	.000000	.000000	.000000	0.000317
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	1.86E-05
N1B	.000000	.000000	.000000	8.59E-05
N1C	.000000	.000000	.000000	0.000169
N2A	.000000	.000000	.000000	-0.000449
N2B	.000000	.000000	.000000	-0.000343
N2C	.000000	.000000	.000000	-0.000184
N8A	.000000	.000000	.000000	-0.000175
N8B	.000000	.000000	.000000	-0.000395
N8C	.000000	.000000	.000000	-0.000546
N9A	.000000	.000000	.000000	0.000227
N9B	.000000	.000000	.000000	8.61E-05
N9C	.000000	.000000	.000000	-2.38E-05
P10	.000000	.000000	.000000	.000000

MODE 13 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000

E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	6.81E-05
F3	.000000	.000000	.000000	6.05E-05
F8	.000000	.000000	.000000	-3.14E-05
F9	.000000	.000000	.000000	-3.91E-05
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000

N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	1.71E-05
E2B	.000000	.000000	.000000	3.62E-06
E3A	.000000	.000000	.000000	3.57E-05
E3B	.000000	.000000	.000000	-7.46E-06
E3C	.000000	.000000	.000000	-4.72E-05
E4A	.000000	.000000	.000000	7.54E-06
E4B	.000000	.000000	.000000	-1.34E-05
E6A	.000000	.000000	.000000	1.10E-05
E6B	.000000	.000000	.000000	-3.86E-06
E7A	.000000	.000000	.000000	7.14E-05
E7B	.000000	.000000	.000000	2.86E-06
E7C	.000000	.000000	.000000	-6.72E-05
E8A	.000000	.000000	.000000	2.12E-05
E8B	.000000	.000000	.000000	-1.15E-05
G2A	.000000	.000000	.000000	-0.001519
G2B	.000000	.000000	.000000	0.000349
G2C	.000000	.000000	.000000	0.001978
G3A	.000000	.000000	.000000	0.043028
G3B	.000000	.000000	.000000	-0.007696
G3C	.000000	.000000	.000000	-0.049762
G4A	.000000	.000000	.000000	-1.45E-05
G6A	.000000	.000000	.000000	2.02E-05
G7A	.000000	.000000	.000000	0.036849
G7B	.000000	.000000	.000000	0.005684
G7C	.000000	.000000	.000000	-0.031886
G8A	.000000	.000000	.000000	-0.001457
G8B	.000000	.000000	.000000	-0.000241
G8C	.000000	.000000	.000000	0.001144
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.000225
I2A	.000000	.000000	.000000	-0.001271
I2B	.000000	.000000	.000000	0.000442
I2C	.000000	.000000	.000000	0.001751
I3A	.000000	.000000	.000000	0.014002
I3B	.000000	.000000	.000000	-0.003154
I3C	.000000	.000000	.000000	-0.016551
I4A	.000000	.000000	.000000	-1.36E-05
I6A	.000000	.000000	.000000	2.10E-05
I7A	.000000	.000000	.000000	0.012321
I7B	.000000	.000000	.000000	0.002324
I7C	.000000	.000000	.000000	-0.010469
I8A	.000000	.000000	.000000	-0.001367
I8B	.000000	.000000	.000000	-0.000308
I8C	.000000	.000000	.000000	0.001052
I9A	.000000	.000000	.000000	5.78E-05
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-1.55E-05
K1B	.000000	.000000	.000000	-0.000106
K2A	.000000	.000000	.000000	-0.001177
K2B	.000000	.000000	.000000	0.000341

K2C	.000000	.000000	.000000	0.001576
K3A	.000000	.000000	.000000	0.001138
K3B	.000000	.000000	.000000	-0.000749
K7A	.000000	.000000	.000000	0.000516
K7B	.000000	.000000	.000000	-0.000871
K8A	.000000	.000000	.000000	-0.001266
K8B	.000000	.000000	.000000	-0.000211
K8C	.000000	.000000	.000000	0.001048
K9A	.000000	.000000	.000000	3.72E-05
K9B	.000000	.000000	.000000	-5.78E-05
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-5.92E-05
M7A	.000000	.000000	.000000	7.62E-06
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	7.42E-05
N1B	.000000	.000000	.000000	-8.74E-06
N1C	.000000	.000000	.000000	-0.000118
N2A	.000000	.000000	.000000	0.000260
N2B	.000000	.000000	.000000	0.000167
N2C	.000000	.000000	.000000	3.72E-05
N8A	.000000	.000000	.000000	5.82E-05
N8B	.000000	.000000	.000000	-5.00E-05
N8C	.000000	.000000	.000000	-0.000134
N9A	.000000	.000000	.000000	8.00E-05
N9B	.000000	.000000	.000000	-3.75E-05
N9C	.000000	.000000	.000000	-0.000124
P10	.000000	.000000	.000000	.000000

MODE 14 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	0.000104
F3	.000000	.000000	.000000	9.47E-05
F8	.000000	.000000	.000000	0.000112
F9	.000000	.000000	.000000	0.000129
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000

H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	1.58E-05
E2B	.000000	.000000	.000000	-5.17E-06
E3A	.000000	.000000	.000000	8.10E-06
E3B	.000000	.000000	.000000	-1.74E-05
E3C	.000000	.000000	.000000	-3.94E-05
E4A	.000000	.000000	.000000	-1.99E-06

E4B	.000000	.000000	.000000	1.99E-06
E6A	.000000	.000000	.000000	1.50E-06
E6B	.000000	.000000	.000000	-1.37E-06
E7A	.000000	.000000	.000000	-5.34E-05
E7B	.000000	.000000	.000000	-2.12E-05
E7C	.000000	.000000	.000000	1.57E-05
E8A	.000000	.000000	.000000	-8.07E-06
E8B	.000000	.000000	.000000	1.96E-05
G2A	.000000	.000000	.000000	-0.000999
G2B	.000000	.000000	.000000	0.000258
G2C	.000000	.000000	.000000	0.001346
G3A	.000000	.000000	.000000	-0.014212
G3B	.000000	.000000	.000000	0.002398
G3C	.000000	.000000	.000000	0.016211
G4A	.000000	.000000	.000000	-3.31E-06
G6A	.000000	.000000	.000000	-1.95E-06
G7A	.000000	.000000	.000000	0.022701
G7B	.000000	.000000	.000000	0.003378
G7C	.000000	.000000	.000000	-0.019869
G8A	.000000	.000000	.000000	0.001799
G8B	.000000	.000000	.000000	0.000336
G8C	.000000	.000000	.000000	-0.001350
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.000476
I2A	.000000	.000000	.000000	-0.001100
I2B	.000000	.000000	.000000	0.000467
I2C	.000000	.000000	.000000	0.001638
I3A	.000000	.000000	.000000	0.029022
I3B	.000000	.000000	.000000	-0.006541
I3C	.000000	.000000	.000000	-0.034317
I4A	.000000	.000000	.000000	-1.20E-05
I6A	.000000	.000000	.000000	-1.71E-05
I7A	.000000	.000000	.000000	-0.048352
I7B	.000000	.000000	.000000	-0.009184
I7C	.000000	.000000	.000000	0.040953
I8A	.000000	.000000	.000000	0.002267
I8B	.000000	.000000	.000000	0.000621
I8C	.000000	.000000	.000000	-0.001564
I9A	.000000	.000000	.000000	-0.000569
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.000183
K1B	.000000	.000000	.000000	-0.000256
K2A	.000000	.000000	.000000	-0.000987
K2B	.000000	.000000	.000000	0.000422
K2C	.000000	.000000	.000000	0.001515
K3A	.000000	.000000	.000000	0.000877
K3B	.000000	.000000	.000000	-0.000822
K7A	.000000	.000000	.000000	-0.001099
K7B	.000000	.000000	.000000	0.001275
K8A	.000000	.000000	.000000	0.002110
K8B	.000000	.000000	.000000	0.000541
K8C	.000000	.000000	.000000	-0.001448
K9A	.000000	.000000	.000000	-0.000313
K9B	.000000	.000000	.000000	-0.000192
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.000230
M7A	.000000	.000000	.000000	-0.000261
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-2.50E-05
N1B	.000000	.000000	.000000	-5.83E-05

N1C	.000000	.000000	.000000	-9.84E-05
N2A	.000000	.000000	.000000	0.000379
N2B	.000000	.000000	.000000	0.000297
N2C	.000000	.000000	.000000	0.000172
N8A	.000000	.000000	.000000	0.000172
N8B	.000000	.000000	.000000	0.000349
N8C	.000000	.000000	.000000	0.000470
N9A	.000000	.000000	.000000	-0.000145
N9B	.000000	.000000	.000000	-5.54E-05
N9C	.000000	.000000	.000000	1.48E-05
P10	.000000	.000000	.000000	.000000

MODE 15 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-4.25E-05
F3	.000000	.000000	.000000	-3.68E-05
F8	.000000	.000000	.000000	1.81E-05
F9	.000000	.000000	.000000	2.40E-05
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000

K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-1.13E-05
E2B	.000000	.000000	.000000	5.37E-06
E3A	.000000	.000000	.000000	-1.83E-05
E3B	.000000	.000000	.000000	9.45E-06
E3C	.000000	.000000	.000000	3.47E-05
E4A	.000000	.000000	.000000	-3.61E-06
E4B	.000000	.000000	.000000	2.06E-06
E6A	.000000	.000000	.000000	-3.29E-06
E6B	.000000	.000000	.000000	2.05E-06
E7A	.000000	.000000	.000000	-2.76E-05
E7B	.000000	.000000	.000000	-4.01E-06
E7C	.000000	.000000	.000000	2.07E-05
E8A	.000000	.000000	.000000	-8.79E-06
E8B	.000000	.000000	.000000	5.13E-06
G2A	.000000	.000000	.000000	0.000955
G2B	.000000	.000000	.000000	-0.000220
G2C	.000000	.000000	.000000	-0.001243
G3A	.000000	.000000	.000000	0.015441
G3B	.000000	.000000	.000000	-0.002677
G3C	.000000	.000000	.000000	-0.017722
G4A	.000000	.000000	.000000	-7.58E-06
G6A	.000000	.000000	.000000	-5.89E-07
G7A	.000000	.000000	.000000	0.012634
G7B	.000000	.000000	.000000	0.001924

G7C	.000000	.000000	.000000	-0.010981
G8A	.000000	.000000	.000000	0.000893
G8B	.000000	.000000	.000000	0.000139
G8C	.000000	.000000	.000000	-0.000717
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.000159
I2A	.000000	.000000	.000000	0.001291
I2B	.000000	.000000	.000000	-0.000466
I2C	.000000	.000000	.000000	-0.001803
I3A	.000000	.000000	.000000	-0.043095
I3B	.000000	.000000	.000000	0.009508
I3C	.000000	.000000	.000000	0.050630
I4A	.000000	.000000	.000000	8.97E-06
I6A	.000000	.000000	.000000	-1.96E-05
I7A	.000000	.000000	.000000	-0.035934
I7B	.000000	.000000	.000000	-0.006722
I7C	.000000	.000000	.000000	0.030637
I8A	.000000	.000000	.000000	0.001366
I8B	.000000	.000000	.000000	0.000306
I8C	.000000	.000000	.000000	-0.001054
I9A	.000000	.000000	.000000	2.04E-05
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-1.16E-05
K1B	.000000	.000000	.000000	7.18E-05
K2A	.000000	.000000	.000000	0.001225
K2B	.000000	.000000	.000000	-0.000373
K2C	.000000	.000000	.000000	-0.001661
K3A	.000000	.000000	.000000	-0.001252
K3B	.000000	.000000	.000000	0.000855
K7A	.000000	.000000	.000000	-0.000553
K7B	.000000	.000000	.000000	0.000905
K8A	.000000	.000000	.000000	0.001294
K8B	.000000	.000000	.000000	0.000211
K8C	.000000	.000000	.000000	-0.001081
K9A	.000000	.000000	.000000	-8.52E-06
K9B	.000000	.000000	.000000	9.57E-05
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	8.87E-05
M7A	.000000	.000000	.000000	-1.72E-05
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-8.28E-05
N1B	.000000	.000000	.000000	-7.46E-06
N1C	.000000	.000000	.000000	9.32E-05
N2A	.000000	.000000	.000000	-0.000296
N2B	.000000	.000000	.000000	-0.000192
N2C	.000000	.000000	.000000	-4.80E-05
N8A	.000000	.000000	.000000	-7.49E-05
N8B	.000000	.000000	.000000	4.46E-05
N8C	.000000	.000000	.000000	0.000138
N9A	.000000	.000000	.000000	-6.20E-05
N9B	.000000	.000000	.000000	6.15E-05
N9C	.000000	.000000	.000000	0.000151
P10	.000000	.000000	.000000	.000000

MODE 16 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000

D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-0.000382
F3	.000000	.000000	.000000	-0.000349
F8	.000000	.000000	.000000	-0.000355
F9	.000000	.000000	.000000	-0.000398
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000

M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-0.000116
E2B	.000000	.000000	.000000	3.04E-05
E3A	.000000	.000000	.000000	-4.96E-05
E3B	.000000	.000000	.000000	0.000126
E3C	.000000	.000000	.000000	0.000272
E4A	.000000	.000000	.000000	-2.03E-05
E4B	.000000	.000000	.000000	-5.94E-05
E6A	.000000	.000000	.000000	-6.28E-05
E6B	.000000	.000000	.000000	-2.96E-05
E7A	.000000	.000000	.000000	0.000266
E7B	.000000	.000000	.000000	0.000123
E7C	.000000	.000000	.000000	-4.98E-05
E8A	.000000	.000000	.000000	-1.54E-05
E8B	.000000	.000000	.000000	-0.000132
G2A	.000000	.000000	.000000	0.001928
G2B	.000000	.000000	.000000	-0.001108
G2C	.000000	.000000	.000000	-0.003514
G3A	.000000	.000000	.000000	0.003910
G3B	.000000	.000000	.000000	0.000245
G3C	.000000	.000000	.000000	-0.003109
G4A	.000000	.000000	.000000	-0.000206
G6A	.000000	.000000	.000000	-0.000222
G7A	.000000	.000000	.000000	-0.002437
G7B	.000000	.000000	.000000	0.000331
G7C	.000000	.000000	.000000	0.003297
G8A	.000000	.000000	.000000	-0.002411
G8B	.000000	.000000	.000000	-0.001071
G8C	.000000	.000000	.000000	0.000805
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.004464
I2A	.000000	.000000	.000000	0.001826
I2B	.000000	.000000	.000000	-0.002140
I2C	.000000	.000000	.000000	-0.004560
I3A	.000000	.000000	.000000	0.008244
I3B	.000000	.000000	.000000	-9.99E-06
I3C	.000000	.000000	.000000	-0.006863
I4A	.000000	.000000	.000000	-0.000448
I6A	.000000	.000000	.000000	-0.000488
I7A	.000000	.000000	.000000	-0.005175
I7B	.000000	.000000	.000000	0.000244
I7C	.000000	.000000	.000000	0.006696
I8A	.000000	.000000	.000000	-0.002266

I8B	.000000	.000000	.000000	-0.001978
I8C	.000000	.000000	.000000	-0.000517
I9A	.000000	.000000	.000000	0.005412
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.001554
K1B	.000000	.000000	.000000	0.001142
K2A	.000000	.000000	.000000	0.001621
K2B	.000000	.000000	.000000	-0.002831
K2C	.000000	.000000	.000000	-0.005408
K3A	.000000	.000000	.000000	-0.016103
K3B	.000000	.000000	.000000	0.010854
K7A	.000000	.000000	.000000	0.009106
K7B	.000000	.000000	.000000	-0.012993
K8A	.000000	.000000	.000000	-0.002340
K8B	.000000	.000000	.000000	-0.002887
K8C	.000000	.000000	.000000	-0.001809
K9A	.000000	.000000	.000000	0.001208
K9B	.000000	.000000	.000000	0.002474
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.001491
M7A	.000000	.000000	.000000	0.001418
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	0.001322
N1B	.000000	.000000	.000000	0.000974
N1C	.000000	.000000	.000000	0.000430
N2A	.000000	.000000	.000000	-0.003205
N2B	.000000	.000000	.000000	-0.002891
N2C	.000000	.000000	.000000	-0.002231
N8A	.000000	.000000	.000000	-0.003238
N8B	.000000	.000000	.000000	-0.003307
N8C	.000000	.000000	.000000	-0.003115
N9A	.000000	.000000	.000000	0.000505
N9B	.000000	.000000	.000000	0.001773
N9C	.000000	.000000	.000000	0.002615
P10	.000000	.000000	.000000	.000000

MODE 17 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	0.000695
F3	.000000	.000000	.000000	0.000625
F8	.000000	.000000	.000000	0.000864

F9	.000000	.000000	.000000	0.001037
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000

P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	2.39E-05
E2B	.000000	.000000	.000000	-4.73E-05
E3A	.000000	.000000	.000000	8.38E-05
E3B	.000000	.000000	.000000	-3.44E-05
E3C	.000000	.000000	.000000	-0.000142
E4A	.000000	.000000	.000000	-1.79E-05
E4B	.000000	.000000	.000000	-1.72E-05
E6A	.000000	.000000	.000000	-2.24E-05
E6B	.000000	.000000	.000000	-1.80E-05
E7A	.000000	.000000	.000000	-0.000347
E7B	.000000	.000000	.000000	-8.90E-05
E7C	.000000	.000000	.000000	0.000194
E8A	.000000	.000000	.000000	-0.000163
E8B	.000000	.000000	.000000	4.78E-05
G2A	.000000	.000000	.000000	-0.001725
G2B	.000000	.000000	.000000	0.000392
G2C	.000000	.000000	.000000	0.002211
G3A	.000000	.000000	.000000	-0.002381
G3B	.000000	.000000	.000000	0.000187
G3C	.000000	.000000	.000000	0.002389
G4A	.000000	.000000	.000000	-0.000110
G6A	.000000	.000000	.000000	-0.000124
G7A	.000000	.000000	.000000	0.005743
G7B	.000000	.000000	.000000	0.000401
G7C	.000000	.000000	.000000	-0.005804
G8A	.000000	.000000	.000000	0.005955
G8B	.000000	.000000	.000000	0.000964
G8C	.000000	.000000	.000000	-0.004799
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.000313
I2A	.000000	.000000	.000000	-0.002418
I2B	.000000	.000000	.000000	0.000491
I2C	.000000	.000000	.000000	0.002805
I3A	.000000	.000000	.000000	-0.003192
I3B	.000000	.000000	.000000	0.000437
I3C	.000000	.000000	.000000	0.003342
I4A	.000000	.000000	.000000	-0.000197
I6A	.000000	.000000	.000000	-0.000229
I7A	.000000	.000000	.000000	0.010384
I7B	.000000	.000000	.000000	0.001192
I7C	.000000	.000000	.000000	-0.010230
I8A	.000000	.000000	.000000	0.009333
I8B	.000000	.000000	.000000	0.001708
I8C	.000000	.000000	.000000	-0.007923
I9A	.000000	.000000	.000000	-0.000776
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.000228
K1B	.000000	.000000	.000000	-0.000743
K2A	.000000	.000000	.000000	-0.003161
K2B	.000000	.000000	.000000	0.000216
K2C	.000000	.000000	.000000	0.003204
K3A	.000000	.000000	.000000	0.006132
K3B	.000000	.000000	.000000	-0.003475
K7A	.000000	.000000	.000000	-0.014141
K7B	.000000	.000000	.000000	0.024815
K8A	.000000	.000000	.000000	0.011550
K8B	.000000	.000000	.000000	0.001192
K8C	.000000	.000000	.000000	-0.010784
K9A	.000000	.000000	.000000	-0.001306

K9B	.000000	.000000	.000000	0.001409
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.000177
M7A	.000000	.000000	.000000	-0.000707
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	0.001028
N1B	.000000	.000000	.000000	0.000312
N1C	.000000	.000000	.000000	-0.000664
N2A	.000000	.000000	.000000	0.000262
N2B	.000000	.000000	.000000	-0.000233
N2C	.000000	.000000	.000000	-0.000825
N8A	.000000	.000000	.000000	-0.002234
N8B	.000000	.000000	.000000	-8.86E-05
N8C	.000000	.000000	.000000	0.001645
N9A	.000000	.000000	.000000	-0.001366
N9B	.000000	.000000	.000000	0.001331
N9C	.000000	.000000	.000000	0.003276
P10	.000000	.000000	.000000	.000000

MODE 18 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-0.000397
F3	.000000	.000000	.000000	-0.000340
F8	.000000	.000000	.000000	-9.23E-05
F9	.000000	.000000	.000000	-9.86E-05
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000

I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-2.93E-05
E2B	.000000	.000000	.000000	0.000129
E3A	.000000	.000000	.000000	-0.000186
E3B	.000000	.000000	.000000	3.20E-05
E3C	.000000	.000000	.000000	0.000239
E4A	.000000	.000000	.000000	3.36E-06
E4B	.000000	.000000	.000000	2.35E-05
E6A	.000000	.000000	.000000	1.42E-05
E6B	.000000	.000000	.000000	1.91E-05
E7A	.000000	.000000	.000000	-8.11E-05
E7B	.000000	.000000	.000000	-2.99E-05
E7C	.000000	.000000	.000000	2.93E-05
E8A	.000000	.000000	.000000	7.88E-06
E8B	.000000	.000000	.000000	3.47E-05
G2A	.000000	.000000	.000000	0.002012

G2B	.000000	.000000	.000000	-0.000444
G2C	.000000	.000000	.000000	-0.002549
G3A	.000000	.000000	.000000	0.002815
G3B	.000000	.000000	.000000	-0.000282
G3C	.000000	.000000	.000000	-0.002913
G4A	.000000	.000000	.000000	4.91E-05
G6A	.000000	.000000	.000000	9.58E-05
G7A	.000000	.000000	.000000	0.000824
G7B	.000000	.000000	.000000	-4.72E-05
G7C	.000000	.000000	.000000	-0.001003
G8A	.000000	.000000	.000000	0.000728
G8B	.000000	.000000	.000000	0.000302
G8C	.000000	.000000	.000000	-0.000288
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.000141
I2A	.000000	.000000	.000000	0.003592
I2B	.000000	.000000	.000000	-0.000930
I2C	.000000	.000000	.000000	-0.004429
I3A	.000000	.000000	.000000	0.005438
I3B	.000000	.000000	.000000	-0.000762
I3C	.000000	.000000	.000000	-0.005730
I4A	.000000	.000000	.000000	0.000140
I6A	.000000	.000000	.000000	0.000169
I7A	.000000	.000000	.000000	0.002353
I7B	.000000	.000000	.000000	5.41E-05
I7C	.000000	.000000	.000000	-0.002716
I8A	.000000	.000000	.000000	0.001358
I8B	.000000	.000000	.000000	0.000768
I8C	.000000	.000000	.000000	-0.000372
I9A	.000000	.000000	.000000	-0.001222
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.000842
K1B	.000000	.000000	.000000	0.000397
K2A	.000000	.000000	.000000	0.005094
K2B	.000000	.000000	.000000	-0.000817
K2C	.000000	.000000	.000000	-0.005798
K3A	.000000	.000000	.000000	-0.047835
K3B	.000000	.000000	.000000	0.024713
K7A	.000000	.000000	.000000	-0.015199
K7B	.000000	.000000	.000000	0.028642
K8A	.000000	.000000	.000000	0.001866
K8B	.000000	.000000	.000000	0.001129
K8C	.000000	.000000	.000000	-0.000370
K9A	.000000	.000000	.000000	2.85E-05
K9B	.000000	.000000	.000000	-0.000358
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000156
M7A	.000000	.000000	.000000	-0.000323
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.001661
N1B	.000000	.000000	.000000	-0.000645
N1C	.000000	.000000	.000000	0.000761
N2A	.000000	.000000	.000000	-0.001140
N2B	.000000	.000000	.000000	-0.000178
N2C	.000000	.000000	.000000	0.001036
N8A	.000000	.000000	.000000	0.000857
N8B	.000000	.000000	.000000	0.001130
N8C	.000000	.000000	.000000	0.001259
N9A	.000000	.000000	.000000	-8.23E-05
N9B	.000000	.000000	.000000	-0.000356

N9C	.000000	.000000	.000000	-0.000538
P10	.000000	.000000	.000000	.000000

MODE 19 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	0.000529
F3	.000000	.000000	.000000	0.000474
F8	.000000	.000000	.000000	0.000632
F9	.000000	.000000	.000000	0.000768
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000

L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	6.67E-05
E2B	.000000	.000000	.000000	-7.55E-05
E3A	.000000	.000000	.000000	8.97E-05
E3B	.000000	.000000	.000000	-7.84E-05
E3C	.000000	.000000	.000000	-0.000224
E4A	.000000	.000000	.000000	5.25E-06
E4B	.000000	.000000	.000000	3.08E-05
E6A	.000000	.000000	.000000	3.64E-05
E6B	.000000	.000000	.000000	2.26E-06
E7A	.000000	.000000	.000000	-0.000361
E7B	.000000	.000000	.000000	-0.000116
E7C	.000000	.000000	.000000	0.000164
E8A	.000000	.000000	.000000	-0.000136
E8B	.000000	.000000	.000000	8.27E-05
G2A	.000000	.000000	.000000	-0.001085
G2B	.000000	.000000	.000000	0.000604
G2C	.000000	.000000	.000000	0.001912
G3A	.000000	.000000	.000000	-0.001685
G3B	.000000	.000000	.000000	-0.000279
G3C	.000000	.000000	.000000	0.001108
G4A	.000000	.000000	.000000	7.15E-05
G6A	.000000	.000000	.000000	6.27E-05
G7A	.000000	.000000	.000000	0.001910
G7B	.000000	.000000	.000000	-0.000367
G7C	.000000	.000000	.000000	-0.002722
G8A	.000000	.000000	.000000	0.003383
G8B	.000000	.000000	.000000	0.000861
G8C	.000000	.000000	.000000	-0.002254
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.002501
I2A	.000000	.000000	.000000	-0.001189
I2B	.000000	.000000	.000000	0.001018
I2C	.000000	.000000	.000000	0.002388

I3A	.000000	.000000	.000000	-0.002651
I3B	.000000	.000000	.000000	-0.000378
I3C	.000000	.000000	.000000	0.001644
I4A	.000000	.000000	.000000	0.000194
I6A	.000000	.000000	.000000	0.000202
I7A	.000000	.000000	.000000	0.003148
I7B	.000000	.000000	.000000	-0.000451
I7C	.000000	.000000	.000000	-0.004573
I8A	.000000	.000000	.000000	0.004945
I8B	.000000	.000000	.000000	0.001517
I8C	.000000	.000000	.000000	-0.003328
I9A	.000000	.000000	.000000	-0.003438
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.000616
K1B	.000000	.000000	.000000	-0.000783
K2A	.000000	.000000	.000000	-0.001262
K2B	.000000	.000000	.000000	0.001207
K2C	.000000	.000000	.000000	0.002754
K3A	.000000	.000000	.000000	-0.029063
K3B	.000000	.000000	.000000	0.013125
K7A	.000000	.000000	.000000	0.023034
K7B	.000000	.000000	.000000	-0.050457
K8A	.000000	.000000	.000000	0.006032
K8B	.000000	.000000	.000000	0.001601
K8C	.000000	.000000	.000000	-0.004252
K9A	.000000	.000000	.000000	-0.001201
K9B	.000000	.000000	.000000	-9.04E-05
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.000647
M7A	.000000	.000000	.000000	-0.000987
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.000250
N1B	.000000	.000000	.000000	-0.000410
N1C	.000000	.000000	.000000	-0.000581
N2A	.000000	.000000	.000000	0.001552
N2B	.000000	.000000	.000000	0.001198
N2C	.000000	.000000	.000000	0.000630
N8A	.000000	.000000	.000000	-9.28E-05
N8B	.000000	.000000	.000000	0.001345
N8C	.000000	.000000	.000000	0.002387
N9A	.000000	.000000	.000000	-0.001245
N9B	.000000	.000000	.000000	-9.06E-06
N9C	.000000	.000000	.000000	0.000925
P10	.000000	.000000	.000000	.000000

MODE 20 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000

E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-0.000815
F3	.000000	.000000	.000000	-0.000678
F8	.000000	.000000	.000000	-0.000276
F9	.000000	.000000	.000000	-0.000282
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000

N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-4.40E-05
E2B	.000000	.000000	.000000	0.000176
E3A	.000000	.000000	.000000	-0.000431
E3B	.000000	.000000	.000000	8.73E-05
E3C	.000000	.000000	.000000	0.000573
E4A	.000000	.000000	.000000	1.38E-05
E4B	.000000	.000000	.000000	2.28E-05
E6A	.000000	.000000	.000000	3.12E-05
E6B	.000000	.000000	.000000	1.14E-05
E7A	.000000	.000000	.000000	-7.68E-05
E7B	.000000	.000000	.000000	-3.76E-05
E7C	.000000	.000000	.000000	1.26E-05
E8A	.000000	.000000	.000000	-0.000116
E8B	.000000	.000000	.000000	-1.95E-06
G2A	.000000	.000000	.000000	0.003303
G2B	.000000	.000000	.000000	-0.000710
G2C	.000000	.000000	.000000	-0.004115
G3A	.000000	.000000	.000000	0.003388
G3B	.000000	.000000	.000000	1.42E-05
G3C	.000000	.000000	.000000	-0.003010
G4A	.000000	.000000	.000000	0.000106
G6A	.000000	.000000	.000000	0.000107
G7A	.000000	.000000	.000000	-3.69E-05
G7B	.000000	.000000	.000000	-0.000233
G7C	.000000	.000000	.000000	-0.000320
G8A	.000000	.000000	.000000	0.001210
G8B	.000000	.000000	.000000	0.000105
G8C	.000000	.000000	.000000	-0.001135
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.000601
I2A	.000000	.000000	.000000	0.006180
I2B	.000000	.000000	.000000	-0.001399
I2C	.000000	.000000	.000000	-0.007301
I3A	.000000	.000000	.000000	0.006147
I3B	.000000	.000000	.000000	-0.000234
I3C	.000000	.000000	.000000	-0.005556
I4A	.000000	.000000	.000000	0.000208
I6A	.000000	.000000	.000000	0.000231
I7A	.000000	.000000	.000000	0.000774
I7B	.000000	.000000	.000000	-0.000388
I7C	.000000	.000000	.000000	-0.001617
I8A	.000000	.000000	.000000	0.003056
I8B	.000000	.000000	.000000	0.000517
I8C	.000000	.000000	.000000	-0.002681
I9A	.000000	.000000	.000000	-0.000644
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.001828
K1B	.000000	.000000	.000000	0.001492
K2A	.000000	.000000	.000000	0.008984
K2B	.000000	.000000	.000000	-0.001054

K2C	.000000	.000000	.000000	-0.009667
K3A	.000000	.000000	.000000	0.029238
K3B	.000000	.000000	.000000	-0.012642
K7A	.000000	.000000	.000000	0.004546
K7B	.000000	.000000	.000000	-0.011480
K8A	.000000	.000000	.000000	0.004435
K8B	.000000	.000000	.000000	0.000547
K8C	.000000	.000000	.000000	-0.004036
K9A	.000000	.000000	.000000	0.000506
K9B	.000000	.000000	.000000	0.001489
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000626
M7A	.000000	.000000	.000000	-0.000455
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.004205
N1B	.000000	.000000	.000000	-0.001587
N1C	.000000	.000000	.000000	0.002040
N2A	.000000	.000000	.000000	-0.002686
N2B	.000000	.000000	.000000	-0.000320
N2C	.000000	.000000	.000000	0.002652
N8A	.000000	.000000	.000000	-0.001064
N8B	.000000	.000000	.000000	0.000336
N8C	.000000	.000000	.000000	0.001434
N9A	.000000	.000000	.000000	-0.000246
N9B	.000000	.000000	.000000	0.000972
N9C	.000000	.000000	.000000	0.001817
P10	.000000	.000000	.000000	.000000

MODE 21 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-0.000417
F3	.000000	.000000	.000000	-0.000396
F8	.000000	.000000	.000000	-0.000884
F9	.000000	.000000	.000000	-0.001049
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000

H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-1.64E-06
E2B	.000000	.000000	.000000	-0.000100
E3A	.000000	.000000	.000000	-0.000235
E3B	.000000	.000000	.000000	-5.43E-05
E3C	.000000	.000000	.000000	0.000139
E4A	.000000	.000000	.000000	3.03E-05

E4B	.000000	.000000	.000000	7.03E-05
E6A	.000000	.000000	.000000	9.32E-05
E6B	.000000	.000000	.000000	2.42E-05
E7A	.000000	.000000	.000000	0.000992
E7B	.000000	.000000	.000000	2.27E-05
E7C	.000000	.000000	.000000	-0.000970
E8A	.000000	.000000	.000000	1.88E-05
E8B	.000000	.000000	.000000	-0.000117
G2A	.000000	.000000	.000000	-0.000777
G2B	.000000	.000000	.000000	6.33E-05
G2C	.000000	.000000	.000000	0.000816
G3A	.000000	.000000	.000000	0.000233
G3B	.000000	.000000	.000000	-0.000479
G3C	.000000	.000000	.000000	-0.000852
G4A	.000000	.000000	.000000	0.000188
G6A	.000000	.000000	.000000	0.000211
G7A	.000000	.000000	.000000	-0.003191
G7B	.000000	.000000	.000000	-0.000424
G7C	.000000	.000000	.000000	0.002919
G8A	.000000	.000000	.000000	-0.001195
G8B	.000000	.000000	.000000	-0.000838
G8C	.000000	.000000	.000000	3.30E-06
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.001361
I2A	.000000	.000000	.000000	-0.002018
I2B	.000000	.000000	.000000	0.000480
I2C	.000000	.000000	.000000	0.002398
I3A	.000000	.000000	.000000	-0.000686
I3B	.000000	.000000	.000000	-0.000904
I3C	.000000	.000000	.000000	-0.000775
I4A	.000000	.000000	.000000	0.000499
I6A	.000000	.000000	.000000	0.000610
I7A	.000000	.000000	.000000	-0.005384
I7B	.000000	.000000	.000000	-0.000985
I7C	.000000	.000000	.000000	0.004573
I8A	.000000	.000000	.000000	-0.000742
I8B	.000000	.000000	.000000	-0.001463
I8C	.000000	.000000	.000000	-0.001168
I9A	.000000	.000000	.000000	0.000221
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.001832
K1B	.000000	.000000	.000000	0.001423
K2A	.000000	.000000	.000000	-0.003135
K2B	.000000	.000000	.000000	0.000599
K2C	.000000	.000000	.000000	0.003655
K3A	.000000	.000000	.000000	-0.005227
K3B	.000000	.000000	.000000	0.001247
K7A	.000000	.000000	.000000	-0.004566
K7B	.000000	.000000	.000000	0.010187
K8A	.000000	.000000	.000000	-0.000440
K8B	.000000	.000000	.000000	-0.001916
K8C	.000000	.000000	.000000	-0.002049
K9A	.000000	.000000	.000000	0.003030
K9B	.000000	.000000	.000000	0.003453
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.000324
M7A	.000000	.000000	.000000	-1.08E-05
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	0.001698
N1B	.000000	.000000	.000000	0.000905

N1C	.000000	.000000	.000000	-0.000244
N2A	.000000	.000000	.000000	0.001645
N2B	.000000	.000000	.000000	0.000489
N2C	.000000	.000000	.000000	-0.001005
N8A	.000000	.000000	.000000	-0.002334
N8B	.000000	.000000	.000000	-0.001975
N8C	.000000	.000000	.000000	-0.001484
N9A	.000000	.000000	.000000	0.001125
N9B	.000000	.000000	.000000	0.002006
N9C	.000000	.000000	.000000	0.002500
P10	.000000	.000000	.000000	.000000

MODE 22 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	0.000553
F3	.000000	.000000	.000000	0.000524
F8	.000000	.000000	.000000	4.56E-06
F9	.000000	.000000	.000000	-1.40E-06
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000

K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	0.000143
E2B	.000000	.000000	.000000	-4.44E-05
E3A	.000000	.000000	.000000	0.001237
E3B	.000000	.000000	.000000	-6.32E-05
E3C	.000000	.000000	.000000	-0.001323
E4A	.000000	.000000	.000000	6.62E-05
E4B	.000000	.000000	.000000	-2.94E-05
E6A	.000000	.000000	.000000	-2.70E-05
E6B	.000000	.000000	.000000	7.15E-06
E7A	.000000	.000000	.000000	0.000317
E7B	.000000	.000000	.000000	5.49E-05
E7C	.000000	.000000	.000000	-0.000230
E8A	.000000	.000000	.000000	2.33E-05
E8B	.000000	.000000	.000000	-5.52E-05
G2A	.000000	.000000	.000000	0.000413
G2B	.000000	.000000	.000000	0.000979
G2C	.000000	.000000	.000000	0.000981
G3A	.000000	.000000	.000000	-0.002253
G3B	.000000	.000000	.000000	-1.17E-05
G3C	.000000	.000000	.000000	0.002018
G4A	.000000	.000000	.000000	0.000169
G6A	.000000	.000000	.000000	1.03E-05
G7A	.000000	.000000	.000000	-0.000271
G7B	.000000	.000000	.000000	0.000283

G7C	.000000	.000000	.000000	0.000712
G8A	.000000	.000000	.000000	-0.000694
G8B	.000000	.000000	.000000	-0.000422
G8C	.000000	.000000	.000000	0.000116
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.001932
I2A	.000000	.000000	.000000	0.001790
I2B	.000000	.000000	.000000	0.002158
I2C	.000000	.000000	.000000	0.000943
I3A	.000000	.000000	.000000	-0.004468
I3B	.000000	.000000	.000000	0.000105
I3C	.000000	.000000	.000000	0.003998
I4A	.000000	.000000	.000000	6.86E-05
I6A	.000000	.000000	.000000	-0.000112
I7A	.000000	.000000	.000000	-0.001010
I7B	.000000	.000000	.000000	0.000487
I7C	.000000	.000000	.000000	0.002019
I8A	.000000	.000000	.000000	-0.001395
I8B	.000000	.000000	.000000	-0.001108
I8C	.000000	.000000	.000000	9.73E-05
I9A	.000000	.000000	.000000	0.001799
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.003087
K1B	.000000	.000000	.000000	-3.95E-05
K2A	.000000	.000000	.000000	0.003090
K2B	.000000	.000000	.000000	0.003377
K2C	.000000	.000000	.000000	0.001104
K3A	.000000	.000000	.000000	-0.011367
K3B	.000000	.000000	.000000	0.003948
K7A	.000000	.000000	.000000	-0.001737
K7B	.000000	.000000	.000000	0.006375
K8A	.000000	.000000	.000000	-0.002023
K8B	.000000	.000000	.000000	-0.001681
K8C	.000000	.000000	.000000	3.51E-05
K9A	.000000	.000000	.000000	-0.001025
K9B	.000000	.000000	.000000	0.000245
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.000162
M7A	.000000	.000000	.000000	0.000219
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.004523
N1B	.000000	.000000	.000000	-0.002591
N1C	.000000	.000000	.000000	0.000274
N2A	.000000	.000000	.000000	0.003031
N2B	.000000	.000000	.000000	0.003656
N2C	.000000	.000000	.000000	0.003935
N8A	.000000	.000000	.000000	-0.000987
N8B	.000000	.000000	.000000	-0.001662
N8C	.000000	.000000	.000000	-0.002027
N9A	.000000	.000000	.000000	0.000158
N9B	.000000	.000000	.000000	0.000555
N9C	.000000	.000000	.000000	0.000805
P10	.000000	.000000	.000000	.000000

MODE 23 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000

D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	1.14E-06
F3	.000000	.000000	.000000	1.42E-07
F8	.000000	.000000	.000000	1.20E-06
F9	.000000	.000000	.000000	2.78E-07
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000

M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-1.96E-05
E2B	.000000	.000000	.000000	7.20E-05
E3A	.000000	.000000	.000000	-0.070991
E3B	.000000	.000000	.000000	0.000401
E3C	.000000	.000000	.000000	0.070585
E4A	.000000	.000000	.000000	-3.65E-05
E4B	.000000	.000000	.000000	3.14E-05
E6A	.000000	.000000	.000000	-2.13E-05
E6B	.000000	.000000	.000000	2.35E-05
E7A	.000000	.000000	.000000	-0.050648
E7B	.000000	.000000	.000000	-0.000288
E7C	.000000	.000000	.000000	0.050939
E8A	.000000	.000000	.000000	-3.26E-05
E8B	.000000	.000000	.000000	1.29E-05
G2A	.000000	.000000	.000000	8.41E-06
G2B	.000000	.000000	.000000	4.87E-07
G2C	.000000	.000000	.000000	-6.82E-06
G3A	.000000	.000000	.000000	4.61E-05
G3B	.000000	.000000	.000000	-2.87E-05
G3C	.000000	.000000	.000000	-7.68E-05
G4A	.000000	.000000	.000000	-1.59E-05
G6A	.000000	.000000	.000000	1.71E-05
G7A	.000000	.000000	.000000	4.24E-05
G7B	.000000	.000000	.000000	1.81E-05
G7C	.000000	.000000	.000000	-2.12E-05
G8A	.000000	.000000	.000000	-6.16E-06
G8B	.000000	.000000	.000000	-1.60E-06
G8C	.000000	.000000	.000000	4.86E-06
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-2.55E-05
I2A	.000000	.000000	.000000	-1.50E-05
I2B	.000000	.000000	.000000	3.28E-05
I2C	.000000	.000000	.000000	5.04E-05
I3A	.000000	.000000	.000000	-3.96E-05
I3B	.000000	.000000	.000000	-3.00E-05
I3C	.000000	.000000	.000000	-7.36E-06
I4A	.000000	.000000	.000000	5.23E-06
I6A	.000000	.000000	.000000	5.76E-06
I7A	.000000	.000000	.000000	6.16E-06
I7B	.000000	.000000	.000000	2.18E-05
I7C	.000000	.000000	.000000	2.95E-05
I8A	.000000	.000000	.000000	-4.34E-05

I8B	.000000	.000000	.000000	-2.38E-05
I8C	.000000	.000000	.000000	1.84E-05
I9A	.000000	.000000	.000000	2.02E-05
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	7.23E-08
K1B	.000000	.000000	.000000	2.99E-05
K2A	.000000	.000000	.000000	-4.23E-05
K2B	.000000	.000000	.000000	6.45E-05
K2C	.000000	.000000	.000000	0.000102
K3A	.000000	.000000	.000000	-0.000174
K3B	.000000	.000000	.000000	1.95E-05
K7A	.000000	.000000	.000000	-2.53E-06
K7B	.000000	.000000	.000000	0.000108
K8A	.000000	.000000	.000000	-7.52E-05
K8B	.000000	.000000	.000000	-4.20E-05
K8C	.000000	.000000	.000000	3.23E-05
K9A	.000000	.000000	.000000	-2.24E-05
K9B	.000000	.000000	.000000	6.38E-07
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-1.79E-05
M7A	.000000	.000000	.000000	4.58E-05
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	2.86E-05
N1B	.000000	.000000	.000000	3.85E-06
N1C	.000000	.000000	.000000	-3.02E-05
N2A	.000000	.000000	.000000	7.61E-05
N2B	.000000	.000000	.000000	6.01E-05
N2C	.000000	.000000	.000000	3.23E-05
N8A	.000000	.000000	.000000	2.40E-06
N8B	.000000	.000000	.000000	-4.59E-05
N8C	.000000	.000000	.000000	-7.91E-05
N9A	.000000	.000000	.000000	-6.74E-06
N9B	.000000	.000000	.000000	5.18E-06
N9C	.000000	.000000	.000000	1.39E-05
P10	.000000	.000000	.000000	.000000

MODE 24 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	9.59E-06
F3	.000000	.000000	.000000	7.95E-06
F8	.000000	.000000	.000000	1.01E-05

F9	.000000	.000000	.000000	1.43E-05
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000

P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-1.22E-05
E2B	.000000	.000000	.000000	2.12E-05
E3A	.000000	.000000	.000000	-0.050938
E3B	.000000	.000000	.000000	0.000289
E3C	.000000	.000000	.000000	0.050648
E4A	.000000	.000000	.000000	2.27E-05
E4B	.000000	.000000	.000000	6.27E-06
E6A	.000000	.000000	.000000	3.67E-05
E6B	.000000	.000000	.000000	-6.08E-05
E7A	.000000	.000000	.000000	0.070594
E7B	.000000	.000000	.000000	0.000402
E7C	.000000	.000000	.000000	-0.070997
E8A	.000000	.000000	.000000	4.70E-05
E8B	.000000	.000000	.000000	-1.81E-05
G2A	.000000	.000000	.000000	3.07E-06
G2B	.000000	.000000	.000000	2.94E-06
G2C	.000000	.000000	.000000	5.65E-07
G3A	.000000	.000000	.000000	-2.51E-05
G3B	.000000	.000000	.000000	-2.48E-06
G3C	.000000	.000000	.000000	1.88E-05
G4A	.000000	.000000	.000000	-8.10E-06
G6A	.000000	.000000	.000000	-1.24E-05
G7A	.000000	.000000	.000000	-1.64E-05
G7B	.000000	.000000	.000000	-8.33E-06
G7C	.000000	.000000	.000000	2.95E-06
G8A	.000000	.000000	.000000	1.33E-05
G8B	.000000	.000000	.000000	3.64E-06
G8C	.000000	.000000	.000000	-9.98E-06
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-4.56E-06
I2A	.000000	.000000	.000000	7.83E-07
I2B	.000000	.000000	.000000	1.87E-05
I2C	.000000	.000000	.000000	2.63E-05
I3A	.000000	.000000	.000000	-6.00E-05
I3B	.000000	.000000	.000000	3.31E-06
I3C	.000000	.000000	.000000	5.27E-05
I4A	.000000	.000000	.000000	-5.79E-06
I6A	.000000	.000000	.000000	-7.51E-06
I7A	.000000	.000000	.000000	4.48E-05
I7B	.000000	.000000	.000000	-5.84E-07
I7C	.000000	.000000	.000000	-5.17E-05
I8A	.000000	.000000	.000000	3.30E-05
I8B	.000000	.000000	.000000	2.13E-05
I8C	.000000	.000000	.000000	-6.21E-06
I9A	.000000	.000000	.000000	9.14E-06
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-2.03E-05
K1B	.000000	.000000	.000000	-3.37E-05
K2A	.000000	.000000	.000000	-1.96E-06
K2B	.000000	.000000	.000000	3.64E-05
K2C	.000000	.000000	.000000	4.59E-05
K3A	.000000	.000000	.000000	-0.000105
K3B	.000000	.000000	.000000	2.20E-05
K7A	.000000	.000000	.000000	3.57E-05
K7B	.000000	.000000	.000000	-0.000133
K8A	.000000	.000000	.000000	6.44E-05
K8B	.000000	.000000	.000000	3.90E-05
K8C	.000000	.000000	.000000	-2.49E-05
K9A	.000000	.000000	.000000	-6.83E-05

K9B	.000000	.000000	.000000	-3.41E-05
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-1.44E-05
M7A	.000000	.000000	.000000	-5.15E-05
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-7.94E-05
N1B	.000000	.000000	.000000	-3.54E-05
N1C	.000000	.000000	.000000	2.91E-05
N2A	.000000	.000000	.000000	6.34E-05
N2B	.000000	.000000	.000000	4.65E-05
N2C	.000000	.000000	.000000	1.79E-05
N8A	.000000	.000000	.000000	1.06E-05
N8B	.000000	.000000	.000000	4.33E-05
N8C	.000000	.000000	.000000	6.44E-05
N9A	.000000	.000000	.000000	-1.72E-05
N9B	.000000	.000000	.000000	-2.69E-05
N9C	.000000	.000000	.000000	-3.13E-05
P10	.000000	.000000	.000000	.000000

MODE 25 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-0.000648
F3	.000000	.000000	.000000	-0.000563
F8	.000000	.000000	.000000	-0.001187
F9	.000000	.000000	.000000	-0.001784
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000

I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-1.98E-05
E2B	.000000	.000000	.000000	0.000153
E3A	.000000	.000000	.000000	-7.31E-05
E3B	.000000	.000000	.000000	4.53E-05
E3C	.000000	.000000	.000000	0.000143
E4A	.000000	.000000	.000000	6.69E-05
E4B	.000000	.000000	.000000	-7.28E-05
E6A	.000000	.000000	.000000	-7.53E-05
E6B	.000000	.000000	.000000	9.62E-05
E7A	.000000	.000000	.000000	-0.000217
E7B	.000000	.000000	.000000	0.000127
E7C	.000000	.000000	.000000	0.000422
E8A	.000000	.000000	.000000	0.000729
E8B	.000000	.000000	.000000	-0.000120
G2A	.000000	.000000	.000000	0.000245

G2B	.000000	.000000	.000000	-9.77E-05
G2C	.000000	.000000	.000000	-0.000347
G3A	.000000	.000000	.000000	-1.78E-05
G3B	.000000	.000000	.000000	0.000352
G3C	.000000	.000000	.000000	0.000416
G4A	.000000	.000000	.000000	0.000451
G6A	.000000	.000000	.000000	0.001593
G7A	.000000	.000000	.000000	-7.56E-05
G7B	.000000	.000000	.000000	0.000794
G7C	.000000	.000000	.000000	0.001066
G8A	.000000	.000000	.000000	-0.001611
G8B	.000000	.000000	.000000	-0.000656
G8C	.000000	.000000	.000000	0.000877
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.001995
I2A	.000000	.000000	.000000	-5.70E-07
I2B	.000000	.000000	.000000	0.000471
I2C	.000000	.000000	.000000	0.000471
I3A	.000000	.000000	.000000	-0.001195
I3B	.000000	.000000	.000000	0.000385
I3C	.000000	.000000	.000000	0.001597
I4A	.000000	.000000	.000000	-0.000226
I6A	.000000	.000000	.000000	5.94E-05
I7A	.000000	.000000	.000000	0.001853
I7B	.000000	.000000	.000000	0.000795
I7C	.000000	.000000	.000000	-0.000838
I8A	.000000	.000000	.000000	0.000151
I8B	.000000	.000000	.000000	7.61E-05
I8C	.000000	.000000	.000000	-7.63E-05
I9A	.000000	.000000	.000000	0.011684
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.000361
K1B	.000000	.000000	.000000	-0.000227
K2A	.000000	.000000	.000000	-0.000344
K2B	.000000	.000000	.000000	0.000970
K2C	.000000	.000000	.000000	0.001275
K3A	.000000	.000000	.000000	-0.003069
K3B	.000000	.000000	.000000	0.001181
K7A	.000000	.000000	.000000	0.001497
K7B	.000000	.000000	.000000	-0.003796
K8A	.000000	.000000	.000000	0.002633
K8B	.000000	.000000	.000000	0.000590
K8C	.000000	.000000	.000000	-0.002165
K9A	.000000	.000000	.000000	0.007079
K9B	.000000	.000000	.000000	0.003868
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000857
M7A	.000000	.000000	.000000	0.000951
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.000984
N1B	.000000	.000000	.000000	-9.05E-05
N1C	.000000	.000000	.000000	0.001094
N2A	.000000	.000000	.000000	0.001925
N2B	.000000	.000000	.000000	0.001271
N2C	.000000	.000000	.000000	0.000236
N8A	.000000	.000000	.000000	-0.002281
N8B	.000000	.000000	.000000	0.001011
N8C	.000000	.000000	.000000	0.003530
N9A	.000000	.000000	.000000	0.008307
N9B	.000000	.000000	.000000	0.003280

N9C	.000000	.000000	.000000	-0.000976
P10	.000000	.000000	.000000	.000000

MODE 26 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-0.001078
F3	.000000	.000000	.000000	-0.000820
F8	.000000	.000000	.000000	-0.000678
F9	.000000	.000000	.000000	-0.000892
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000

L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-8.98E-05
E2B	.000000	.000000	.000000	0.000568
E3A	.000000	.000000	.000000	0.000552
E3B	.000000	.000000	.000000	2.58E-05
E3C	.000000	.000000	.000000	-0.000505
E4A	.000000	.000000	.000000	4.42E-05
E4B	.000000	.000000	.000000	3.50E-05
E6A	.000000	.000000	.000000	-7.76E-05
E6B	.000000	.000000	.000000	7.46E-05
E7A	.000000	.000000	.000000	8.89E-05
E7B	.000000	.000000	.000000	7.97E-05
E7C	.000000	.000000	.000000	3.57E-05
E8A	.000000	.000000	.000000	0.000449
E8B	.000000	.000000	.000000	-6.38E-05
G2A	.000000	.000000	.000000	0.000401
G2B	.000000	.000000	.000000	-0.000452
G2C	.000000	.000000	.000000	-0.000910
G3A	.000000	.000000	.000000	0.001137
G3B	.000000	.000000	.000000	-8.52E-06
G3C	.000000	.000000	.000000	-0.001056
G4A	.000000	.000000	.000000	-0.000440
G6A	.000000	.000000	.000000	0.002197
G7A	.000000	.000000	.000000	0.000382
G7B	.000000	.000000	.000000	0.000575
G7C	.000000	.000000	.000000	0.000276
G8A	.000000	.000000	.000000	-0.000699
G8B	.000000	.000000	.000000	-0.000307
G8C	.000000	.000000	.000000	0.000361
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.003875
I2A	.000000	.000000	.000000	-0.000365
I2B	.000000	.000000	.000000	-0.000228
I2C	.000000	.000000	.000000	0.000128

I3A	.000000	.000000	.000000	0.000482
I3B	.000000	.000000	.000000	-0.000350
I3C	.000000	.000000	.000000	-0.000914
I4A	.000000	.000000	.000000	0.000258
I6A	.000000	.000000	.000000	-7.35E-05
I7A	.000000	.000000	.000000	0.001679
I7B	.000000	.000000	.000000	0.000677
I7C	.000000	.000000	.000000	-0.000832
I8A	.000000	.000000	.000000	0.000107
I8B	.000000	.000000	.000000	0.000186
I8C	.000000	.000000	.000000	7.24E-05
I9A	.000000	.000000	.000000	0.004771
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.002818
K1B	.000000	.000000	.000000	0.004708
K2A	.000000	.000000	.000000	-0.001574
K2B	.000000	.000000	.000000	-3.66E-05
K2C	.000000	.000000	.000000	0.001481
K3A	.000000	.000000	.000000	-0.000415
K3B	.000000	.000000	.000000	-0.000730
K7A	.000000	.000000	.000000	0.001648
K7B	.000000	.000000	.000000	-0.002678
K8A	.000000	.000000	.000000	0.001065
K8B	.000000	.000000	.000000	0.000541
K8C	.000000	.000000	.000000	-0.000586
K9A	.000000	.000000	.000000	0.001157
K9B	.000000	.000000	.000000	0.000537
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.000528
M7A	.000000	.000000	.000000	0.001627
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.000117
N1B	.000000	.000000	.000000	0.002163
N1C	.000000	.000000	.000000	0.004768
N2A	.000000	.000000	.000000	0.002131
N2B	.000000	.000000	.000000	0.000334
N2C	.000000	.000000	.000000	-0.001946
N8A	.000000	.000000	.000000	-0.000426
N8B	.000000	.000000	.000000	0.000814
N8C	.000000	.000000	.000000	0.001695
N9A	.000000	.000000	.000000	0.001990
N9B	.000000	.000000	.000000	0.000537
N9C	.000000	.000000	.000000	-0.000648
P10	.000000	.000000	.000000	.000000

MODE 27 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000

E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-0.000479
F3	.000000	.000000	.000000	-0.000387
F8	.000000	.000000	.000000	-7.75E-05
F9	.000000	.000000	.000000	-0.000110
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000

N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-0.000125
E2B	.000000	.000000	.000000	0.000713
E3A	.000000	.000000	.000000	0.000380
E3B	.000000	.000000	.000000	6.13E-05
E3C	.000000	.000000	.000000	-0.000281
E4A	.000000	.000000	.000000	0.000133
E4B	.000000	.000000	.000000	-2.19E-05
E6A	.000000	.000000	.000000	3.00E-05
E6B	.000000	.000000	.000000	-2.61E-05
E7A	.000000	.000000	.000000	9.73E-05
E7B	.000000	.000000	.000000	-3.60E-05
E7C	.000000	.000000	.000000	-0.000154
E8A	.000000	.000000	.000000	-0.000312
E8B	.000000	.000000	.000000	6.06E-05
G2A	.000000	.000000	.000000	0.000110
G2B	.000000	.000000	.000000	-0.000633
G2C	.000000	.000000	.000000	-0.000841
G3A	.000000	.000000	.000000	0.001000
G3B	.000000	.000000	.000000	0.000311
G3C	.000000	.000000	.000000	-0.000586
G4A	.000000	.000000	.000000	0.003204
G6A	.000000	.000000	.000000	-0.000533
G7A	.000000	.000000	.000000	0.000180
G7B	.000000	.000000	.000000	-0.000211
G7C	.000000	.000000	.000000	-0.000450
G8A	.000000	.000000	.000000	0.000393
G8B	.000000	.000000	.000000	0.000327
G8C	.000000	.000000	.000000	-2.05E-06
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.002895
I2A	.000000	.000000	.000000	-0.000398
I2B	.000000	.000000	.000000	-0.001216
I2C	.000000	.000000	.000000	-0.000737
I3A	.000000	.000000	.000000	0.001594
I3B	.000000	.000000	.000000	0.000391
I3C	.000000	.000000	.000000	-0.000914
I4A	.000000	.000000	.000000	0.000286
I6A	.000000	.000000	.000000	0.000117
I7A	.000000	.000000	.000000	0.000671
I7B	.000000	.000000	.000000	-0.000435
I7C	.000000	.000000	.000000	-0.001394
I8A	.000000	.000000	.000000	0.000943
I8B	.000000	.000000	.000000	0.000980
I8C	.000000	.000000	.000000	-3.33E-05
I9A	.000000	.000000	.000000	-0.000846
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.003138
K1B	.000000	.000000	.000000	0.004217
K2A	.000000	.000000	.000000	-0.000970
K2B	.000000	.000000	.000000	-0.001740

K2C	.000000	.000000	.000000	-0.000633
K3A	.000000	.000000	.000000	0.002414
K3B	.000000	.000000	.000000	5.64E-05
K7A	.000000	.000000	.000000	0.000217
K7B	.000000	.000000	.000000	-0.003053
K8A	.000000	.000000	.000000	0.001555
K8B	.000000	.000000	.000000	0.001554
K8C	.000000	.000000	.000000	-0.000177
K9A	.000000	.000000	.000000	-0.001584
K9B	.000000	.000000	.000000	-0.001237
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-8.28E-05
M7A	.000000	.000000	.000000	0.000734
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	0.002961
N1B	.000000	.000000	.000000	0.001980
N1C	.000000	.000000	.000000	0.000349
N2A	.000000	.000000	.000000	-0.001255
N2B	.000000	.000000	.000000	-0.001841
N2C	.000000	.000000	.000000	-0.002202
N8A	.000000	.000000	.000000	0.000786
N8B	.000000	.000000	.000000	0.001984
N8C	.000000	.000000	.000000	0.002639
N9A	.000000	.000000	.000000	0.001504
N9B	.000000	.000000	.000000	-0.000742
N9C	.000000	.000000	.000000	-0.002363
P10	.000000	.000000	.000000	.000000

MODE 28 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-0.000124
F3	.000000	.000000	.000000	-9.02E-05
F8	.000000	.000000	.000000	-3.03E-05
F9	.000000	.000000	.000000	-3.71E-05
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000

H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-3.51E-06
E2B	.000000	.000000	.000000	6.65E-05
E3A	.000000	.000000	.000000	-0.000126
E3B	.000000	.000000	.000000	3.10E-05
E3C	.000000	.000000	.000000	0.000172
E4A	.000000	.000000	.000000	0.000197

E4B	.000000	.000000	.000000	-7.62E-05
E6A	.000000	.000000	.000000	4.62E-05
E6B	.000000	.000000	.000000	-0.000145
E7A	.000000	.000000	.000000	-0.000119
E7B	.000000	.000000	.000000	-9.95E-06
E7C	.000000	.000000	.000000	0.000105
E8A	.000000	.000000	.000000	9.35E-05
E8B	.000000	.000000	.000000	-1.31E-05
G2A	.000000	.000000	.000000	5.80E-05
G2B	.000000	.000000	.000000	1.69E-06
G2C	.000000	.000000	.000000	-5.73E-05
G3A	.000000	.000000	.000000	-0.000213
G3B	.000000	.000000	.000000	0.000284
G3C	.000000	.000000	.000000	0.000499
G4A	.000000	.000000	.000000	0.035193
G6A	.000000	.000000	.000000	-0.021750
G7A	.000000	.000000	.000000	-0.000343
G7B	.000000	.000000	.000000	-0.000116
G7C	.000000	.000000	.000000	0.000227
G8A	.000000	.000000	.000000	-8.87E-05
G8B	.000000	.000000	.000000	-6.23E-05
G8C	.000000	.000000	.000000	3.31E-05
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.000901
I2A	.000000	.000000	.000000	2.37E-05
I2B	.000000	.000000	.000000	7.38E-05
I2C	.000000	.000000	.000000	5.04E-05
I3A	.000000	.000000	.000000	-0.000308
I3B	.000000	.000000	.000000	0.000262
I3C	.000000	.000000	.000000	0.000630
I4A	.000000	.000000	.000000	0.000125
I6A	.000000	.000000	.000000	-0.000130
I7A	.000000	.000000	.000000	-0.000314
I7B	.000000	.000000	.000000	-0.000113
I7C	.000000	.000000	.000000	0.000178
I8A	.000000	.000000	.000000	-5.04E-05
I8B	.000000	.000000	.000000	-6.90E-05
I8C	.000000	.000000	.000000	6.91E-06
I9A	.000000	.000000	.000000	8.41E-05
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.000125
K1B	.000000	.000000	.000000	0.000258
K2A	.000000	.000000	.000000	-0.000114
K2B	.000000	.000000	.000000	0.000129
K2C	.000000	.000000	.000000	0.000218
K3A	.000000	.000000	.000000	-0.000619
K3B	.000000	.000000	.000000	0.000445
K7A	.000000	.000000	.000000	-0.000239
K7B	.000000	.000000	.000000	0.000241
K8A	.000000	.000000	.000000	-2.59E-05
K8B	.000000	.000000	.000000	-4.04E-05
K8C	.000000	.000000	.000000	-2.17E-05
K9A	.000000	.000000	.000000	0.000144
K9B	.000000	.000000	.000000	0.000105
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000432
M7A	.000000	.000000	.000000	-0.000277
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.000461
N1B	.000000	.000000	.000000	0.000118

N1C	.000000	.000000	.000000	0.000851
N2A	.000000	.000000	.000000	0.000347
N2B	.000000	.000000	.000000	0.000170
N2C	.000000	.000000	.000000	-8.10E-05
N8A	.000000	.000000	.000000	-0.000100
N8B	.000000	.000000	.000000	-3.00E-05
N8C	.000000	.000000	.000000	3.05E-05
N9A	.000000	.000000	.000000	-2.84E-05
N9B	.000000	.000000	.000000	4.98E-05
N9C	.000000	.000000	.000000	0.000103
P10	.000000	.000000	.000000	.000000

MODE 29 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-5.38E-05
F3	.000000	.000000	.000000	-4.08E-05
F8	.000000	.000000	.000000	-4.56E-05
F9	.000000	.000000	.000000	-8.44E-05
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000

K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-6.69E-06
E2B	.000000	.000000	.000000	6.23E-05
E3A	.000000	.000000	.000000	7.01E-05
E3B	.000000	.000000	.000000	-7.42E-06
E3C	.000000	.000000	.000000	-8.08E-05
E4A	.000000	.000000	.000000	-3.77E-05
E4B	.000000	.000000	.000000	1.82E-05
E6A	.000000	.000000	.000000	3.62E-05
E6B	.000000	.000000	.000000	-0.000112
E7A	.000000	.000000	.000000	-0.000112
E7B	.000000	.000000	.000000	-8.49E-06
E7C	.000000	.000000	.000000	0.000100
E8A	.000000	.000000	.000000	0.000146
E8B	.000000	.000000	.000000	-1.28E-05
G2A	.000000	.000000	.000000	2.80E-05
G2B	.000000	.000000	.000000	-2.45E-05
G2C	.000000	.000000	.000000	-5.61E-05
G3A	.000000	.000000	.000000	0.000142
G3B	.000000	.000000	.000000	-8.61E-05
G3C	.000000	.000000	.000000	-0.000225
G4A	.000000	.000000	.000000	-0.021836
G6A	.000000	.000000	.000000	-0.035461
G7A	.000000	.000000	.000000	-0.000306
G7B	.000000	.000000	.000000	-0.000106

G7C	.000000	.000000	.000000	0.000208
G8A	.000000	.000000	.000000	-0.000120
G8B	.000000	.000000	.000000	-3.82E-05
G8C	.000000	.000000	.000000	8.69E-05
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.000169
I2A	.000000	.000000	.000000	-1.23E-06
I2B	.000000	.000000	.000000	-1.32E-05
I2C	.000000	.000000	.000000	-5.02E-06
I3A	.000000	.000000	.000000	4.99E-05
I3B	.000000	.000000	.000000	-4.66E-05
I3C	.000000	.000000	.000000	-0.000109
I4A	.000000	.000000	.000000	-5.43E-07
I6A	.000000	.000000	.000000	-7.13E-05
I7A	.000000	.000000	.000000	-3.95E-05
I7B	.000000	.000000	.000000	-3.32E-05
I7C	.000000	.000000	.000000	-6.50E-06
I8A	.000000	.000000	.000000	-1.67E-05
I8B	.000000	.000000	.000000	2.90E-05
I8C	.000000	.000000	.000000	5.27E-05
I9A	.000000	.000000	.000000	0.000974
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.000134
K1B	.000000	.000000	.000000	0.000296
K2A	.000000	.000000	.000000	-5.16E-05
K2B	.000000	.000000	.000000	6.28E-06
K2C	.000000	.000000	.000000	5.69E-05
K3A	.000000	.000000	.000000	-1.96E-05
K3B	.000000	.000000	.000000	-3.71E-05
K7A	.000000	.000000	.000000	-1.77E-05
K7B	.000000	.000000	.000000	-0.000161
K8A	.000000	.000000	.000000	0.000144
K8B	.000000	.000000	.000000	6.01E-05
K8C	.000000	.000000	.000000	-9.62E-05
K9A	.000000	.000000	.000000	0.000447
K9B	.000000	.000000	.000000	0.000184
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	6.57E-06
M7A	.000000	.000000	.000000	1.77E-05
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-6.69E-05
N1B	.000000	.000000	.000000	8.14E-05
N1C	.000000	.000000	.000000	0.000260
N2A	.000000	.000000	.000000	9.39E-05
N2B	.000000	.000000	.000000	1.89E-05
N2C	.000000	.000000	.000000	-7.68E-05
N8A	.000000	.000000	.000000	-0.000180
N8B	.000000	.000000	.000000	9.09E-05
N8C	.000000	.000000	.000000	0.000295
N9A	.000000	.000000	.000000	0.000721
N9B	.000000	.000000	.000000	0.000179
N9C	.000000	.000000	.000000	-0.000261
P10	.000000	.000000	.000000	.000000

MODE 30 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000

D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-6.88E-05
F3	.000000	.000000	.000000	-4.75E-05
F8	.000000	.000000	.000000	5.43E-06
F9	.000000	.000000	.000000	1.76E-05
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000

M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-0.006733
E2B	.000000	.000000	.000000	0.104132
E3A	.000000	.000000	.000000	0.000176
E3B	.000000	.000000	.000000	3.85E-05
E3C	.000000	.000000	.000000	-0.000120
E4A	.000000	.000000	.000000	3.85E-05
E4B	.000000	.000000	.000000	-1.72E-05
E6A	.000000	.000000	.000000	8.58E-06
E6B	.000000	.000000	.000000	-2.59E-05
E7A	.000000	.000000	.000000	4.63E-05
E7B	.000000	.000000	.000000	-9.67E-06
E7C	.000000	.000000	.000000	-6.07E-05
E8A	.000000	.000000	.000000	-0.027690
E8B	.000000	.000000	.000000	0.001789
G2A	.000000	.000000	.000000	8.34E-05
G2B	.000000	.000000	.000000	-3.35E-05
G2C	.000000	.000000	.000000	-0.000117
G3A	.000000	.000000	.000000	6.66E-05
G3B	.000000	.000000	.000000	6.49E-05
G3C	.000000	.000000	.000000	-3.66E-06
G4A	.000000	.000000	.000000	-0.000192
G6A	.000000	.000000	.000000	6.11E-05
G7A	.000000	.000000	.000000	-1.60E-05
G7B	.000000	.000000	.000000	-9.08E-06
G7C	.000000	.000000	.000000	-5.57E-06
G8A	.000000	.000000	.000000	3.31E-05
G8B	.000000	.000000	.000000	-6.35E-06
G8C	.000000	.000000	.000000	-2.18E-05
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.000607
I2A	.000000	.000000	.000000	3.40E-05
I2B	.000000	.000000	.000000	8.04E-06
I2C	.000000	.000000	.000000	-1.05E-05
I3A	.000000	.000000	.000000	-4.73E-05
I3B	.000000	.000000	.000000	6.05E-05
I3C	.000000	.000000	.000000	0.000123
I4A	.000000	.000000	.000000	1.89E-05
I6A	.000000	.000000	.000000	-1.62E-05
I7A	.000000	.000000	.000000	-3.79E-05
I7B	.000000	.000000	.000000	-1.61E-05
I7C	.000000	.000000	.000000	2.29E-05
I8A	.000000	.000000	.000000	2.01E-05

I8B	.000000	.000000	.000000	-2.72E-05
I8C	.000000	.000000	.000000	-1.65E-05
I9A	.000000	.000000	.000000	-0.000255
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.000157
K1B	.000000	.000000	.000000	0.000286
K2A	.000000	.000000	.000000	-8.06E-05
K2B	.000000	.000000	.000000	5.02E-05
K2C	.000000	.000000	.000000	0.000117
K3A	.000000	.000000	.000000	-0.000188
K3B	.000000	.000000	.000000	0.000100
K7A	.000000	.000000	.000000	-3.46E-05
K7B	.000000	.000000	.000000	5.72E-05
K8A	.000000	.000000	.000000	-4.30E-05
K8B	.000000	.000000	.000000	-1.08E-05
K8C	.000000	.000000	.000000	2.09E-05
K9A	.000000	.000000	.000000	-0.000158
K9B	.000000	.000000	.000000	-3.59E-05
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000212
M7A	.000000	.000000	.000000	-0.000116
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.000312
N1B	.000000	.000000	.000000	0.000103
N1C	.000000	.000000	.000000	0.000624
N2A	.000000	.000000	.000000	0.000268
N2B	.000000	.000000	.000000	9.29E-05
N2C	.000000	.000000	.000000	-0.000143
N8A	.000000	.000000	.000000	1.65E-05
N8B	.000000	.000000	.000000	-2.01E-05
N8C	.000000	.000000	.000000	-4.79E-05
N9A	.000000	.000000	.000000	-0.000305
N9B	.000000	.000000	.000000	-4.06E-05
N9C	.000000	.000000	.000000	0.000169
P10	.000000	.000000	.000000	.000000

MODE 31 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-5.71E-06
F3	.000000	.000000	.000000	-3.78E-06
F8	.000000	.000000	.000000	-4.43E-06

F9	.000000	.000000	.000000	-1.63E-05
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000

P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	0.001791
E2B	.000000	.000000	.000000	-0.027701
E3A	.000000	.000000	.000000	-4.42E-05
E3B	.000000	.000000	.000000	-9.70E-06
E3C	.000000	.000000	.000000	3.30E-05
E4A	.000000	.000000	.000000	-2.37E-05
E4B	.000000	.000000	.000000	8.17E-06
E6A	.000000	.000000	.000000	-7.75E-06
E6B	.000000	.000000	.000000	2.22E-05
E7A	.000000	.000000	.000000	0.000111
E7B	.000000	.000000	.000000	-2.76E-05
E7C	.000000	.000000	.000000	-0.000155
E8A	.000000	.000000	.000000	-0.104283
E8B	.000000	.000000	.000000	0.006740
G2A	.000000	.000000	.000000	-6.41E-06
G2B	.000000	.000000	.000000	1.81E-06
G2C	.000000	.000000	.000000	9.40E-06
G3A	.000000	.000000	.000000	3.00E-06
G3B	.000000	.000000	.000000	-1.07E-05
G3C	.000000	.000000	.000000	-5.75E-06
G4A	.000000	.000000	.000000	1.99E-05
G6A	.000000	.000000	.000000	-5.62E-05
G7A	.000000	.000000	.000000	3.98E-05
G7B	.000000	.000000	.000000	-8.00E-07
G7C	.000000	.000000	.000000	-3.25E-05
G8A	.000000	.000000	.000000	1.93E-05
G8B	.000000	.000000	.000000	1.56E-05
G8C	.000000	.000000	.000000	-2.04E-05
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	7.24E-06
I2A	.000000	.000000	.000000	-4.12E-06
I2B	.000000	.000000	.000000	1.07E-05
I2C	.000000	.000000	.000000	-5.68E-06
I3A	.000000	.000000	.000000	4.49E-06
I3B	.000000	.000000	.000000	-6.78E-06
I3C	.000000	.000000	.000000	-1.34E-05
I4A	.000000	.000000	.000000	-1.68E-05
I6A	.000000	.000000	.000000	1.03E-05
I7A	.000000	.000000	.000000	3.34E-05
I7B	.000000	.000000	.000000	1.89E-05
I7C	.000000	.000000	.000000	-1.29E-05
I8A	.000000	.000000	.000000	-1.10E-05
I8B	.000000	.000000	.000000	1.16E-05
I8C	.000000	.000000	.000000	-2.91E-06
I9A	.000000	.000000	.000000	0.000197
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-2.09E-05
K1B	.000000	.000000	.000000	4.33E-05
K2A	.000000	.000000	.000000	-3.24E-06
K2B	.000000	.000000	.000000	-2.91E-07
K2C	.000000	.000000	.000000	3.14E-06
K3A	.000000	.000000	.000000	-7.19E-06
K3B	.000000	.000000	.000000	-6.05E-06
K7A	.000000	.000000	.000000	1.78E-05
K7B	.000000	.000000	.000000	1.86E-05
K8A	.000000	.000000	.000000	-8.02E-06
K8B	.000000	.000000	.000000	-1.88E-05
K8C	.000000	.000000	.000000	2.61E-08
K9A	.000000	.000000	.000000	0.000150

K9B	.000000	.000000	.000000	3.23E-05
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-6.18E-06
M7A	.000000	.000000	.000000	3.32E-05
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-1.33E-06
N1B	.000000	.000000	.000000	9.59E-06
N1C	.000000	.000000	.000000	2.11E-05
N2A	.000000	.000000	.000000	2.42E-05
N2B	.000000	.000000	.000000	4.71E-06
N2C	.000000	.000000	.000000	-2.01E-05
N8A	.000000	.000000	.000000	3.55E-05
N8B	.000000	.000000	.000000	-4.01E-05
N8C	.000000	.000000	.000000	-9.16E-05
N9A	.000000	.000000	.000000	0.000243
N9B	.000000	.000000	.000000	2.34E-05
N9C	.000000	.000000	.000000	-0.000148
P10	.000000	.000000	.000000	.000000

MODE 32 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-0.001324
F3	.000000	.000000	.000000	-0.000820
F8	.000000	.000000	.000000	2.58E-06
F9	.000000	.000000	.000000	0.000212
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000

I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	0.000320
E2B	.000000	.000000	.000000	-0.005614
E3A	.000000	.000000	.000000	9.80E-05
E3B	.000000	.000000	.000000	0.000148
E3C	.000000	.000000	.000000	0.000124
E4A	.000000	.000000	.000000	0.000482
E4B	.000000	.000000	.000000	-0.000234
E6A	.000000	.000000	.000000	6.55E-05
E6B	.000000	.000000	.000000	-0.000191
E7A	.000000	.000000	.000000	-8.22E-05
E7B	.000000	.000000	.000000	-2.83E-05
E7C	.000000	.000000	.000000	4.04E-05
E8A	.000000	.000000	.000000	0.000979
E8B	.000000	.000000	.000000	-6.69E-05
G2A	.000000	.000000	.000000	0.001046

G2B	.000000	.000000	.000000	-0.000467
G2C	.000000	.000000	.000000	-0.001464
G3A	.000000	.000000	.000000	0.000643
G3B	.000000	.000000	.000000	0.001091
G3C	.000000	.000000	.000000	0.000475
G4A	.000000	.000000	.000000	-0.003212
G6A	.000000	.000000	.000000	0.001041
G7A	.000000	.000000	.000000	-0.000241
G7B	.000000	.000000	.000000	-0.000236
G7C	.000000	.000000	.000000	1.88E-05
G8A	.000000	.000000	.000000	0.000241
G8B	.000000	.000000	.000000	2.98E-06
G8C	.000000	.000000	.000000	-0.000271
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.013125
I2A	.000000	.000000	.000000	0.000501
I2B	.000000	.000000	.000000	6.87E-05
I2C	.000000	.000000	.000000	-0.000423
I3A	.000000	.000000	.000000	-0.000675
I3B	.000000	.000000	.000000	0.001327
I3C	.000000	.000000	.000000	0.002345
I4A	.000000	.000000	.000000	0.000169
I6A	.000000	.000000	.000000	-0.000213
I7A	.000000	.000000	.000000	-0.000616
I7B	.000000	.000000	.000000	-0.000339
I7C	.000000	.000000	.000000	0.000188
I8A	.000000	.000000	.000000	0.000185
I8B	.000000	.000000	.000000	-6.05E-05
I8C	.000000	.000000	.000000	-0.000270
I9A	.000000	.000000	.000000	-0.004529
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.003006
K1B	.000000	.000000	.000000	0.007853
K2A	.000000	.000000	.000000	-0.001473
K2B	.000000	.000000	.000000	0.000235
K2C	.000000	.000000	.000000	0.001607
K3A	.000000	.000000	.000000	-0.002768
K3B	.000000	.000000	.000000	0.002078
K7A	.000000	.000000	.000000	-0.000757
K7B	.000000	.000000	.000000	0.000707
K8A	.000000	.000000	.000000	-0.000317
K8B	.000000	.000000	.000000	2.79E-05
K8C	.000000	.000000	.000000	0.000362
K9A	.000000	.000000	.000000	-0.002808
K9B	.000000	.000000	.000000	-0.001020
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.003922
M7A	.000000	.000000	.000000	-0.001322
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.007572
N1B	.000000	.000000	.000000	0.002276
N1C	.000000	.000000	.000000	0.014592
N2A	.000000	.000000	.000000	0.004173
N2B	.000000	.000000	.000000	0.000904
N2C	.000000	.000000	.000000	-0.003317
N8A	.000000	.000000	.000000	0.000927
N8B	.000000	.000000	.000000	-5.60E-05
N8C	.000000	.000000	.000000	-0.000845
N9A	.000000	.000000	.000000	-0.005537
N9B	.000000	.000000	.000000	-0.000716

N9C	.000000	.000000	.000000	0.003112
P10	.000000	.000000	.000000	.000000

MODE 33 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-0.000677
F3	.000000	.000000	.000000	-0.000537
F8	.000000	.000000	.000000	0.000212
F9	.000000	.000000	.000000	0.000414
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000

L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	1.77E-07
E2B	.000000	.000000	.000000	-0.000217
E3A	.000000	.000000	.000000	0.000256
E3B	.000000	.000000	.000000	-5.99E-05
E3C	.000000	.000000	.000000	-0.000337
E4A	.000000	.000000	.000000	-0.000347
E4B	.000000	.000000	.000000	0.000212
E6A	.000000	.000000	.000000	8.45E-06
E6B	.000000	.000000	.000000	-8.77E-05
E7A	.000000	.000000	.000000	-2.87E-06
E7B	.000000	.000000	.000000	1.35E-06
E7C	.000000	.000000	.000000	2.05E-06
E8A	.000000	.000000	.000000	5.80E-05
E8B	.000000	.000000	.000000	-3.95E-06
G2A	.000000	.000000	.000000	-7.68E-06
G2B	.000000	.000000	.000000	-8.95E-05
G2C	.000000	.000000	.000000	-9.22E-05
G3A	.000000	.000000	.000000	0.000630
G3B	.000000	.000000	.000000	-0.000624
G3C	.000000	.000000	.000000	-0.001174
G4A	.000000	.000000	.000000	0.001895
G6A	.000000	.000000	.000000	0.000115
G7A	.000000	.000000	.000000	2.53E-05
G7B	.000000	.000000	.000000	1.43E-05
G7C	.000000	.000000	.000000	-9.60E-06
G8A	.000000	.000000	.000000	2.99E-06
G8B	.000000	.000000	.000000	-8.53E-06
G8C	.000000	.000000	.000000	-2.05E-05
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.004227
I2A	.000000	.000000	.000000	-0.000247
I2B	.000000	.000000	.000000	-3.49E-05
I2C	.000000	.000000	.000000	0.000199

I3A	.000000	.000000	.000000	0.000625
I3B	.000000	.000000	.000000	-0.001124
I3C	.000000	.000000	.000000	-0.002023
I4A	.000000	.000000	.000000	0.000155
I6A	.000000	.000000	.000000	-0.000181
I7A	.000000	.000000	.000000	-0.000197
I7B	.000000	.000000	.000000	0.000118
I7C	.000000	.000000	.000000	0.000368
I8A	.000000	.000000	.000000	-0.000369
I8B	.000000	.000000	.000000	-0.000213
I8C	.000000	.000000	.000000	0.000201
I9A	.000000	.000000	.000000	0.001052
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.000262
K1B	.000000	.000000	.000000	0.001838
K2A	.000000	.000000	.000000	-0.000168
K2B	.000000	.000000	.000000	0.000448
K2C	.000000	.000000	.000000	0.000486
K3A	.000000	.000000	.000000	-0.000230
K3B	.000000	.000000	.000000	-0.000910
K7A	.000000	.000000	.000000	-0.000489
K7B	.000000	.000000	.000000	0.001806
K8A	.000000	.000000	.000000	-0.000858
K8B	.000000	.000000	.000000	-0.000861
K8C	.000000	.000000	.000000	0.000226
K9A	.000000	.000000	.000000	-0.001839
K9B	.000000	.000000	.000000	-8.58E-05
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000863
M7A	.000000	.000000	.000000	-0.003148
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.003407
N1B	.000000	.000000	.000000	-0.000324
N1C	.000000	.000000	.000000	0.003738
N2A	.000000	.000000	.000000	0.001699
N2B	.000000	.000000	.000000	0.000986
N2C	.000000	.000000	.000000	-0.000118
N8A	.000000	.000000	.000000	0.000173
N8B	.000000	.000000	.000000	-0.001552
N8C	.000000	.000000	.000000	-0.002662
N9A	.000000	.000000	.000000	-0.005179
N9B	.000000	.000000	.000000	0.000514
N9C	.000000	.000000	.000000	0.004825
P10	.000000	.000000	.000000	.000000

MODE 34 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000

E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	6.87E-06
F3	.000000	.000000	.000000	9.24E-06
F8	.000000	.000000	.000000	-1.97E-05
F9	.000000	.000000	.000000	-2.03E-05
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000

N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-1.99E-06
E2B	.000000	.000000	.000000	2.11E-05
E3A	.000000	.000000	.000000	5.42E-05
E3B	.000000	.000000	.000000	-2.81E-05
E3C	.000000	.000000	.000000	-9.29E-05
E4A	.000000	.000000	.000000	-0.080264
E4B	.000000	.000000	.000000	0.024614
E6A	.000000	.000000	.000000	-0.027101
E6B	.000000	.000000	.000000	0.088369
E7A	.000000	.000000	.000000	0.000155
E7B	.000000	.000000	.000000	3.25E-05
E7C	.000000	.000000	.000000	-0.000111
E8A	.000000	.000000	.000000	2.08E-05
E8B	.000000	.000000	.000000	-2.05E-06
G2A	.000000	.000000	.000000	1.53E-05
G2B	.000000	.000000	.000000	-7.71E-06
G2C	.000000	.000000	.000000	-1.71E-05
G3A	.000000	.000000	.000000	6.21E-05
G3B	.000000	.000000	.000000	-5.89E-05
G3C	.000000	.000000	.000000	-0.000119
G4A	.000000	.000000	.000000	0.000159
G6A	.000000	.000000	.000000	-0.000179
G7A	.000000	.000000	.000000	0.000115
G7B	.000000	.000000	.000000	8.25E-05
G7C	.000000	.000000	.000000	-5.46E-05
G8A	.000000	.000000	.000000	8.21E-06
G8B	.000000	.000000	.000000	-9.77E-06
G8C	.000000	.000000	.000000	-1.06E-05
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	7.77E-05
I2A	.000000	.000000	.000000	9.82E-06
I2B	.000000	.000000	.000000	-7.45E-06
I2C	.000000	.000000	.000000	6.79E-06
I3A	.000000	.000000	.000000	4.06E-05
I3B	.000000	.000000	.000000	-8.27E-05
I3C	.000000	.000000	.000000	-0.000134
I4A	.000000	.000000	.000000	-9.56E-05
I6A	.000000	.000000	.000000	9.12E-05
I7A	.000000	.000000	.000000	0.000157
I7B	.000000	.000000	.000000	9.11E-05
I7C	.000000	.000000	.000000	-4.08E-05
I8A	.000000	.000000	.000000	2.28E-05
I8B	.000000	.000000	.000000	-3.41E-05
I8C	.000000	.000000	.000000	-1.08E-05
I9A	.000000	.000000	.000000	-4.14E-05
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	1.72E-05
K1B	.000000	.000000	.000000	6.61E-05
K2A	.000000	.000000	.000000	-1.18E-05
K2B	.000000	.000000	.000000	-1.22E-06

K2C	.000000	.000000	.000000	2.88E-05
K3A	.000000	.000000	.000000	5.07E-05
K3B	.000000	.000000	.000000	-0.000137
K7A	.000000	.000000	.000000	0.000156
K7B	.000000	.000000	.000000	-6.79E-05
K8A	.000000	.000000	.000000	-1.73E-05
K8B	.000000	.000000	.000000	-6.88E-06
K8C	.000000	.000000	.000000	9.92E-06
K9A	.000000	.000000	.000000	-7.95E-05
K9B	.000000	.000000	.000000	-2.32E-05
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.000922
M7A	.000000	.000000	.000000	0.001105
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.000230
N1B	.000000	.000000	.000000	-2.23E-05
N1C	.000000	.000000	.000000	0.000251
N2A	.000000	.000000	.000000	9.17E-05
N2B	.000000	.000000	.000000	2.59E-05
N2C	.000000	.000000	.000000	-6.17E-05
N8A	.000000	.000000	.000000	6.31E-05
N8B	.000000	.000000	.000000	-1.50E-05
N8C	.000000	.000000	.000000	-7.59E-05
N9A	.000000	.000000	.000000	-0.000347
N9B	.000000	.000000	.000000	3.60E-05
N9C	.000000	.000000	.000000	0.000327
P10	.000000	.000000	.000000	.000000

MODE 35 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-1.45E-05
F3	.000000	.000000	.000000	-1.52E-05
F8	.000000	.000000	.000000	-1.48E-05
F9	.000000	.000000	.000000	-1.57E-05
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000

H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-9.41E-07
E2B	.000000	.000000	.000000	-6.54E-06
E3A	.000000	.000000	.000000	-6.32E-05
E3B	.000000	.000000	.000000	2.84E-05
E3C	.000000	.000000	.000000	0.000102
E4A	.000000	.000000	.000000	0.088446

E4B	.000000	.000000	.000000	-0.027124
E6A	.000000	.000000	.000000	-0.024637
E6B	.000000	.000000	.000000	0.080333
E7A	.000000	.000000	.000000	8.64E-05
E7B	.000000	.000000	.000000	2.68E-05
E7C	.000000	.000000	.000000	-5.07E-05
E8A	.000000	.000000	.000000	-8.93E-06
E8B	.000000	.000000	.000000	-7.89E-07
G2A	.000000	.000000	.000000	-5.52E-06
G2B	.000000	.000000	.000000	-6.03E-06
G2C	.000000	.000000	.000000	-5.67E-06
G3A	.000000	.000000	.000000	-1.38E-05
G3B	.000000	.000000	.000000	3.76E-05
G3C	.000000	.000000	.000000	4.59E-05
G4A	.000000	.000000	.000000	-7.26E-05
G6A	.000000	.000000	.000000	-6.87E-05
G7A	.000000	.000000	.000000	3.84E-05
G7B	.000000	.000000	.000000	3.87E-05
G7C	.000000	.000000	.000000	-7.45E-06
G8A	.000000	.000000	.000000	-5.81E-06
G8B	.000000	.000000	.000000	-1.24E-05
G8C	.000000	.000000	.000000	-4.41E-06
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-6.63E-05
I2A	.000000	.000000	.000000	-8.64E-06
I2B	.000000	.000000	.000000	-1.09E-05
I2C	.000000	.000000	.000000	2.64E-06
I3A	.000000	.000000	.000000	-2.05E-06
I3B	.000000	.000000	.000000	2.23E-05
I3C	.000000	.000000	.000000	2.75E-05
I4A	.000000	.000000	.000000	2.85E-05
I6A	.000000	.000000	.000000	1.94E-05
I7A	.000000	.000000	.000000	3.06E-05
I7B	.000000	.000000	.000000	2.26E-05
I7C	.000000	.000000	.000000	-1.85E-06
I8A	.000000	.000000	.000000	-1.36E-06
I8B	.000000	.000000	.000000	-7.80E-06
I8C	.000000	.000000	.000000	-8.23E-06
I9A	.000000	.000000	.000000	-1.67E-05
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-5.48E-06
K1B	.000000	.000000	.000000	-6.74E-05
K2A	.000000	.000000	.000000	2.31E-06
K2B	.000000	.000000	.000000	8.27E-06
K2C	.000000	.000000	.000000	-1.47E-05
K3A	.000000	.000000	.000000	-4.55E-06
K3B	.000000	.000000	.000000	2.48E-05
K7A	.000000	.000000	.000000	2.36E-05
K7B	.000000	.000000	.000000	-9.81E-06
K8A	.000000	.000000	.000000	-4.89E-06
K8B	.000000	.000000	.000000	1.35E-06
K8C	.000000	.000000	.000000	-2.44E-07
K9A	.000000	.000000	.000000	-6.41E-05
K9B	.000000	.000000	.000000	-4.11E-06
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000196
M7A	.000000	.000000	.000000	0.000135
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	0.000179
N1B	.000000	.000000	.000000	1.66E-05

N1C	.000000	.000000	.000000	-0.000197
N2A	.000000	.000000	.000000	-1.93E-05
N2B	.000000	.000000	.000000	2.05E-06
N2C	.000000	.000000	.000000	2.77E-05
N8A	.000000	.000000	.000000	2.47E-05
N8B	.000000	.000000	.000000	8.35E-07
N8C	.000000	.000000	.000000	-1.88E-05
N9A	.000000	.000000	.000000	-0.000232
N9B	.000000	.000000	.000000	2.61E-05
N9C	.000000	.000000	.000000	0.000222
P10	.000000	.000000	.000000	.000000

MODE 36 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-1.23E-05
F3	.000000	.000000	.000000	2.02E-06
F8	.000000	.000000	.000000	-0.000223
F9	.000000	.000000	.000000	-0.000237
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000

K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	8.90E-07
E2B	.000000	.000000	.000000	1.84E-05
E3A	.000000	.000000	.000000	6.28E-05
E3B	.000000	.000000	.000000	-2.68E-05
E3C	.000000	.000000	.000000	-0.000100
E4A	.000000	.000000	.000000	0.002332
E4B	.000000	.000000	.000000	-0.000714
E6A	.000000	.000000	.000000	0.000846
E6B	.000000	.000000	.000000	-0.002783
E7A	.000000	.000000	.000000	0.000135
E7B	.000000	.000000	.000000	5.44E-05
E7C	.000000	.000000	.000000	-6.08E-05
E8A	.000000	.000000	.000000	-9.92E-05
E8B	.000000	.000000	.000000	-2.30E-05
G2A	.000000	.000000	.000000	4.37E-05
G2B	.000000	.000000	.000000	3.81E-06
G2C	.000000	.000000	.000000	-2.10E-05
G3A	.000000	.000000	.000000	0.000182
G3B	.000000	.000000	.000000	-0.000271
G3C	.000000	.000000	.000000	-0.000402
G4A	.000000	.000000	.000000	0.000543
G6A	.000000	.000000	.000000	-0.000680
G7A	.000000	.000000	.000000	0.000305
G7B	.000000	.000000	.000000	0.000471

G7C	.000000	.000000	.000000	5.59E-05
G8A	.000000	.000000	.000000	-0.000179
G8B	.000000	.000000	.000000	-0.000252
G8C	.000000	.000000	.000000	-3.22E-05
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-8.74E-06
I2A	.000000	.000000	.000000	-3.94E-05
I2B	.000000	.000000	.000000	0.000211
I2C	.000000	.000000	.000000	0.000169
I3A	.000000	.000000	.000000	-3.29E-05
I3B	.000000	.000000	.000000	-0.000539
I3C	.000000	.000000	.000000	-0.000592
I4A	.000000	.000000	.000000	-0.000558
I6A	.000000	.000000	.000000	0.000608
I7A	.000000	.000000	.000000	0.000647
I7B	.000000	.000000	.000000	0.000735
I7C	.000000	.000000	.000000	0.000225
I8A	.000000	.000000	.000000	-0.000251
I8B	.000000	.000000	.000000	-0.000487
I8C	.000000	.000000	.000000	1.95E-05
I9A	.000000	.000000	.000000	-3.36E-05
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-3.12E-05
K1B	.000000	.000000	.000000	0.000172
K2A	.000000	.000000	.000000	-0.000171
K2B	.000000	.000000	.000000	0.000363
K2C	.000000	.000000	.000000	0.000405
K3A	.000000	.000000	.000000	-0.000171
K3B	.000000	.000000	.000000	-0.000847
K7A	.000000	.000000	.000000	0.001040
K7B	.000000	.000000	.000000	0.000313
K8A	.000000	.000000	.000000	-0.000575
K8B	.000000	.000000	.000000	-0.000515
K8C	.000000	.000000	.000000	0.000321
K9A	.000000	.000000	.000000	-0.000915
K9B	.000000	.000000	.000000	-9.10E-05
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.030654
M7A	.000000	.000000	.000000	0.050621
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.001803
N1B	.000000	.000000	.000000	-0.000341
N1C	.000000	.000000	.000000	0.001624
N2A	.000000	.000000	.000000	0.001723
N2B	.000000	.000000	.000000	0.000687
N2C	.000000	.000000	.000000	-0.000776
N8A	.000000	.000000	.000000	0.001435
N8B	.000000	.000000	.000000	-0.000830
N8C	.000000	.000000	.000000	-0.002489
N9A	.000000	.000000	.000000	-0.005015
N9B	.000000	.000000	.000000	0.000774
N9C	.000000	.000000	.000000	0.005127
P10	.000000	.000000	.000000	.000000

MODE 37 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000

D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	0.000178
F3	.000000	.000000	.000000	0.000189
F8	.000000	.000000	.000000	0.000171
F9	.000000	.000000	.000000	0.000190
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000

M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	2.10E-05
E2B	.000000	.000000	.000000	9.70E-05
E3A	.000000	.000000	.000000	-3.49E-05
E3B	.000000	.000000	.000000	-3.42E-05
E3C	.000000	.000000	.000000	-9.14E-06
E4A	.000000	.000000	.000000	0.000867
E4B	.000000	.000000	.000000	-0.000261
E6A	.000000	.000000	.000000	-1.48E-05
E6B	.000000	.000000	.000000	7.40E-05
E7A	.000000	.000000	.000000	-2.65E-05
E7B	.000000	.000000	.000000	-2.29E-05
E7C	.000000	.000000	.000000	-5.97E-06
E8A	.000000	.000000	.000000	0.000110
E8B	.000000	.000000	.000000	1.88E-05
G2A	.000000	.000000	.000000	-3.12E-05
G2B	.000000	.000000	.000000	0.000245
G2C	.000000	.000000	.000000	0.000223
G3A	.000000	.000000	.000000	-0.000215
G3B	.000000	.000000	.000000	-0.000262
G3C	.000000	.000000	.000000	3.01E-05
G4A	.000000	.000000	.000000	0.000219
G6A	.000000	.000000	.000000	7.48E-05
G7A	.000000	.000000	.000000	0.000147
G7B	.000000	.000000	.000000	-0.000150
G7C	.000000	.000000	.000000	-0.000271
G8A	.000000	.000000	.000000	0.000214
G8B	.000000	.000000	.000000	0.000236
G8C	.000000	.000000	.000000	-2.64E-05
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.000486
I2A	.000000	.000000	.000000	-7.37E-05
I2B	.000000	.000000	.000000	0.000439
I2C	.000000	.000000	.000000	0.000286
I3A	.000000	.000000	.000000	-0.000391
I3B	.000000	.000000	.000000	-0.000359
I3C	.000000	.000000	.000000	-4.19E-05
I4A	.000000	.000000	.000000	-0.000194
I6A	.000000	.000000	.000000	4.52E-05
I7A	.000000	.000000	.000000	9.66E-05
I7B	.000000	.000000	.000000	-0.000150
I7C	.000000	.000000	.000000	-0.000295
I8A	.000000	.000000	.000000	0.000141

I8B	.000000	.000000	.000000	0.000322
I8C	.000000	.000000	.000000	-2.02E-05
I9A	.000000	.000000	.000000	4.37E-05
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.000149
K1B	.000000	.000000	.000000	0.000810
K2A	.000000	.000000	.000000	-0.000352
K2B	.000000	.000000	.000000	0.000460
K2C	.000000	.000000	.000000	0.000541
K3A	.000000	.000000	.000000	-0.000553
K3B	.000000	.000000	.000000	-0.000436
K7A	.000000	.000000	.000000	-0.000109
K7B	.000000	.000000	.000000	-0.000331
K8A	.000000	.000000	.000000	0.000288
K8B	.000000	.000000	.000000	0.000207
K8C	.000000	.000000	.000000	-0.000189
K9A	.000000	.000000	.000000	0.000618
K9B	.000000	.000000	.000000	0.000132
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.051542
M7A	.000000	.000000	.000000	-0.030764
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.003304
N1B	.000000	.000000	.000000	-0.000393
N1C	.000000	.000000	.000000	0.003446
N2A	.000000	.000000	.000000	0.002278
N2B	.000000	.000000	.000000	0.000711
N2C	.000000	.000000	.000000	-0.001409
N8A	.000000	.000000	.000000	-0.000809
N8B	.000000	.000000	.000000	0.000289
N8C	.000000	.000000	.000000	0.001120
N9A	.000000	.000000	.000000	0.002858
N9B	.000000	.000000	.000000	-0.000337
N9C	.000000	.000000	.000000	-0.002757
P10	.000000	.000000	.000000	.000000

MODE 38 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	0.001068
F3	.000000	.000000	.000000	0.001000
F8	.000000	.000000	.000000	0.001604

F9	.000000	.000000	.000000	0.001995
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000

P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	6.59E-05
E2B	.000000	.000000	.000000	0.000535
E3A	.000000	.000000	.000000	-0.000269
E3B	.000000	.000000	.000000	-9.88E-05
E3C	.000000	.000000	.000000	0.000136
E4A	.000000	.000000	.000000	7.39E-05
E4B	.000000	.000000	.000000	1.23E-05
E6A	.000000	.000000	.000000	-0.000468
E6B	.000000	.000000	.000000	0.001625
E7A	.000000	.000000	.000000	2.05E-05
E7B	.000000	.000000	.000000	-0.000194
E7C	.000000	.000000	.000000	-0.000273
E8A	.000000	.000000	.000000	0.000705
E8B	.000000	.000000	.000000	0.000126
G2A	.000000	.000000	.000000	-0.000280
G2B	.000000	.000000	.000000	0.000902
G2C	.000000	.000000	.000000	0.000993
G3A	.000000	.000000	.000000	-0.001117
G3B	.000000	.000000	.000000	-0.000635
G3C	.000000	.000000	.000000	0.000608
G4A	.000000	.000000	.000000	0.000210
G6A	.000000	.000000	.000000	0.001067
G7A	.000000	.000000	.000000	0.000291
G7B	.000000	.000000	.000000	-0.001399
G7C	.000000	.000000	.000000	-0.001337
G8A	.000000	.000000	.000000	0.001215
G8B	.000000	.000000	.000000	0.001485
G8C	.000000	.000000	.000000	-2.97E-05
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.001183
I2A	.000000	.000000	.000000	-6.93E-05
I2B	.000000	.000000	.000000	0.000485
I2C	.000000	.000000	.000000	0.000310
I3A	.000000	.000000	.000000	-0.000429
I3B	.000000	.000000	.000000	-0.000417
I3C	.000000	.000000	.000000	-3.90E-05
I4A	.000000	.000000	.000000	0.000108
I6A	.000000	.000000	.000000	-0.001107
I7A	.000000	.000000	.000000	-0.001253
I7B	.000000	.000000	.000000	-0.001343
I7C	.000000	.000000	.000000	-0.000256
I8A	.000000	.000000	.000000	0.000158
I8B	.000000	.000000	.000000	0.000874
I8C	.000000	.000000	.000000	0.000289
I9A	.000000	.000000	.000000	-0.001841
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.000443
K1B	.000000	.000000	.000000	0.001844
K2A	.000000	.000000	.000000	-0.000266
K2B	.000000	.000000	.000000	-0.000251
K2C	.000000	.000000	.000000	0.000200
K3A	.000000	.000000	.000000	2.74E-05
K3B	.000000	.000000	.000000	4.61E-05
K7A	.000000	.000000	.000000	-0.001429
K7B	.000000	.000000	.000000	0.001067
K8A	.000000	.000000	.000000	0.000134
K8B	.000000	.000000	.000000	-0.000523
K8C	.000000	.000000	.000000	-0.000348
K9A	.000000	.000000	.000000	0.003480

K9B	.000000	.000000	.000000	0.000697
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.001758
M7A	.000000	.000000	.000000	0.010706
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.018586
N1B	.000000	.000000	.000000	-0.003745
N1C	.000000	.000000	.000000	0.016279
N2A	.000000	.000000	.000000	5.96E-06
N2B	.000000	.000000	.000000	-0.000461
N2C	.000000	.000000	.000000	-0.000891
N8A	.000000	.000000	.000000	-0.001670
N8B	.000000	.000000	.000000	-0.001054
N8C	.000000	.000000	.000000	-0.000287
N9A	.000000	.000000	.000000	0.032459
N9B	.000000	.000000	.000000	-0.007423
N9C	.000000	.000000	.000000	-0.036991
P10	.000000	.000000	.000000	.000000

MODE 39 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-0.001049
F3	.000000	.000000	.000000	-0.000903
F8	.000000	.000000	.000000	3.75E-05
F9	.000000	.000000	.000000	6.49E-05
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000

I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-3.23E-05
E2B	.000000	.000000	.000000	-0.000139
E3A	.000000	.000000	.000000	-0.000163
E3B	.000000	.000000	.000000	0.000189
E3C	.000000	.000000	.000000	0.000403
E4A	.000000	.000000	.000000	-0.002575
E4B	.000000	.000000	.000000	0.000777
E6A	.000000	.000000	.000000	-0.000700
E6B	.000000	.000000	.000000	0.002253
E7A	.000000	.000000	.000000	-0.000409
E7B	.000000	.000000	.000000	-9.01E-05
E7C	.000000	.000000	.000000	0.000295
E8A	.000000	.000000	.000000	-0.000212
E8B	.000000	.000000	.000000	-2.09E-05
G2A	.000000	.000000	.000000	8.20E-05

G2B	.000000	.000000	.000000	-0.000352
G2C	.000000	.000000	.000000	-0.000322
G3A	.000000	.000000	.000000	-0.000477
G3B	.000000	.000000	.000000	0.001803
G3C	.000000	.000000	.000000	0.001590
G4A	.000000	.000000	.000000	-0.002165
G6A	.000000	.000000	.000000	0.001801
G7A	.000000	.000000	.000000	-0.001972
G7B	.000000	.000000	.000000	-0.001092
G7C	.000000	.000000	.000000	0.001329
G8A	.000000	.000000	.000000	-0.000537
G8B	.000000	.000000	.000000	-0.000382
G8C	.000000	.000000	.000000	0.000285
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.001767
I2A	.000000	.000000	.000000	0.000141
I2B	.000000	.000000	.000000	-0.000111
I2C	.000000	.000000	.000000	-0.000163
I3A	.000000	.000000	.000000	-0.000950
I3B	.000000	.000000	.000000	0.002537
I3C	.000000	.000000	.000000	0.003683
I4A	.000000	.000000	.000000	0.003495
I6A	.000000	.000000	.000000	-0.003176
I7A	.000000	.000000	.000000	-0.003357
I7B	.000000	.000000	.000000	-0.001955
I7C	.000000	.000000	.000000	0.001256
I8A	.000000	.000000	.000000	-0.000217
I8B	.000000	.000000	.000000	-0.000285
I8C	.000000	.000000	.000000	0.000146
I9A	.000000	.000000	.000000	2.36E-05
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.000827
K1B	.000000	.000000	.000000	-2.50E-05
K2A	.000000	.000000	.000000	0.000397
K2B	.000000	.000000	.000000	0.000376
K2C	.000000	.000000	.000000	-0.000221
K3A	.000000	.000000	.000000	-0.002161
K3B	.000000	.000000	.000000	0.004184
K7A	.000000	.000000	.000000	-0.003754
K7B	.000000	.000000	.000000	0.001914
K8A	.000000	.000000	.000000	-3.26E-05
K8B	.000000	.000000	.000000	-0.000109
K8C	.000000	.000000	.000000	-9.72E-06
K9A	.000000	.000000	.000000	0.000122
K9B	.000000	.000000	.000000	6.48E-05
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.007911
M7A	.000000	.000000	.000000	0.006113
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	0.030096
N1B	.000000	.000000	.000000	0.007444
N1C	.000000	.000000	.000000	-0.023627
N2A	.000000	.000000	.000000	-0.001000
N2B	.000000	.000000	.000000	0.000191
N2C	.000000	.000000	.000000	0.001581
N8A	.000000	.000000	.000000	-0.000625
N8B	.000000	.000000	.000000	0.000171
N8C	.000000	.000000	.000000	0.000779
N9A	.000000	.000000	.000000	0.003262
N9B	.000000	.000000	.000000	-0.000987

N9C	.000000	.000000	.000000	-0.004092
P10	.000000	.000000	.000000	.000000

MODE 40 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	0.000614
F3	.000000	.000000	.000000	0.000368
F8	.000000	.000000	.000000	8.46E-05
F9	.000000	.000000	.000000	-0.000117
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000

L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	1.75E-05
E2B	.000000	.000000	.000000	0.000351
E3A	.000000	.000000	.000000	-0.000279
E3B	.000000	.000000	.000000	-9.99E-06
E3C	.000000	.000000	.000000	0.000264
E4A	.000000	.000000	.000000	-0.000733
E4B	.000000	.000000	.000000	0.000236
E6A	.000000	.000000	.000000	-0.000261
E6B	.000000	.000000	.000000	0.000849
E7A	.000000	.000000	.000000	-0.000261
E7B	.000000	.000000	.000000	-4.19E-05
E7C	.000000	.000000	.000000	0.000213
E8A	.000000	.000000	.000000	-0.000201
E8B	.000000	.000000	.000000	5.68E-06
G2A	.000000	.000000	.000000	-0.000733
G2B	.000000	.000000	.000000	0.000456
G2C	.000000	.000000	.000000	0.000974
G3A	.000000	.000000	.000000	-0.001175
G3B	.000000	.000000	.000000	0.000164
G3C	.000000	.000000	.000000	0.001237
G4A	.000000	.000000	.000000	-0.000695
G6A	.000000	.000000	.000000	0.000863
G7A	.000000	.000000	.000000	-0.001037
G7B	.000000	.000000	.000000	-0.000539
G7C	.000000	.000000	.000000	0.000751
G8A	.000000	.000000	.000000	-0.000490
G8B	.000000	.000000	.000000	-0.000120
G8C	.000000	.000000	.000000	0.000446
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.003419
I2A	.000000	.000000	.000000	-0.000936
I2B	.000000	.000000	.000000	-1.28E-05
I2C	.000000	.000000	.000000	0.000907

I3A	.000000	.000000	.000000	-0.000848
I3B	.000000	.000000	.000000	0.000694
I3C	.000000	.000000	.000000	0.001582
I4A	.000000	.000000	.000000	0.001545
I6A	.000000	.000000	.000000	-0.001728
I7A	.000000	.000000	.000000	-0.001725
I7B	.000000	.000000	.000000	-0.000992
I7C	.000000	.000000	.000000	0.000689
I8A	.000000	.000000	.000000	-0.000648
I8B	.000000	.000000	.000000	0.000176
I8C	.000000	.000000	.000000	0.000684
I9A	.000000	.000000	.000000	0.002117
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.002432
K1B	.000000	.000000	.000000	-0.004530
K2A	.000000	.000000	.000000	-0.000793
K2B	.000000	.000000	.000000	-0.000667
K2C	.000000	.000000	.000000	0.000577
K3A	.000000	.000000	.000000	-0.000644
K3B	.000000	.000000	.000000	0.001639
K7A	.000000	.000000	.000000	-0.001853
K7B	.000000	.000000	.000000	0.000751
K8A	.000000	.000000	.000000	-0.000425
K8B	.000000	.000000	.000000	0.000525
K8C	.000000	.000000	.000000	0.000576
K9A	.000000	.000000	.000000	0.003493
K9B	.000000	.000000	.000000	-0.001823
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.000423
M7A	.000000	.000000	.000000	0.001011
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.052187
N1B	.000000	.000000	.000000	-0.014941
N1C	.000000	.000000	.000000	0.037051
N2A	.000000	.000000	.000000	0.000387
N2B	.000000	.000000	.000000	-0.000395
N2C	.000000	.000000	.000000	-0.001210
N8A	.000000	.000000	.000000	0.000593
N8B	.000000	.000000	.000000	0.000280
N8C	.000000	.000000	.000000	-5.71E-05
N9A	.000000	.000000	.000000	-0.028596
N9B	.000000	.000000	.000000	0.011706
N9C	.000000	.000000	.000000	0.040547
P10	.000000	.000000	.000000	.000000

MODE 41 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000

E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	0.000798
F3	.000000	.000000	.000000	0.000836
F8	.000000	.000000	.000000	0.001118
F9	.000000	.000000	.000000	0.001326
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000

N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	8.46E-05
E2B	.000000	.000000	.000000	0.000251
E3A	.000000	.000000	.000000	-0.000105
E3B	.000000	.000000	.000000	-0.000115
E3C	.000000	.000000	.000000	-2.31E-05
E4A	.000000	.000000	.000000	0.000459
E4B	.000000	.000000	.000000	-0.000124
E6A	.000000	.000000	.000000	-2.72E-05
E6B	.000000	.000000	.000000	0.000165
E7A	.000000	.000000	.000000	0.000173
E7B	.000000	.000000	.000000	-0.000133
E7C	.000000	.000000	.000000	-0.000331
E8A	.000000	.000000	.000000	0.000395
E8B	.000000	.000000	.000000	0.000158
G2A	.000000	.000000	.000000	0.000262
G2B	.000000	.000000	.000000	0.000922
G2C	.000000	.000000	.000000	0.000323
G3A	.000000	.000000	.000000	-0.000498
G3B	.000000	.000000	.000000	-0.000927
G3C	.000000	.000000	.000000	1.52E-05
G4A	.000000	.000000	.000000	0.000608
G6A	.000000	.000000	.000000	0.000261
G7A	.000000	.000000	.000000	0.000759
G7B	.000000	.000000	.000000	-0.000959
G7C	.000000	.000000	.000000	-0.001269
G8A	.000000	.000000	.000000	0.000610
G8B	.000000	.000000	.000000	0.001636
G8C	.000000	.000000	.000000	0.000449
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.001002
I2A	.000000	.000000	.000000	0.000780
I2B	.000000	.000000	.000000	0.000994
I2C	.000000	.000000	.000000	-0.000536
I3A	.000000	.000000	.000000	-8.82E-05
I3B	.000000	.000000	.000000	-0.000947
I3C	.000000	.000000	.000000	-0.000857
I4A	.000000	.000000	.000000	-0.001159
I6A	.000000	.000000	.000000	-0.000375
I7A	.000000	.000000	.000000	7.27E-06
I7B	.000000	.000000	.000000	-0.000693
I7C	.000000	.000000	.000000	-0.000645
I8A	.000000	.000000	.000000	-0.000781
I8B	.000000	.000000	.000000	0.001715
I8C	.000000	.000000	.000000	0.001227
I9A	.000000	.000000	.000000	-0.000240
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.002544
K1B	.000000	.000000	.000000	0.005637
K2A	.000000	.000000	.000000	0.000536
K2B	.000000	.000000	.000000	0.000624

K2C	.000000	.000000	.000000	-0.000463
K3A	.000000	.000000	.000000	0.000361
K3B	.000000	.000000	.000000	-0.001107
K7A	.000000	.000000	.000000	-0.000227
K7B	.000000	.000000	.000000	-3.47E-05
K8A	.000000	.000000	.000000	-0.000637
K8B	.000000	.000000	.000000	0.000790
K8C	.000000	.000000	.000000	0.000777
K9A	.000000	.000000	.000000	0.007212
K9B	.000000	.000000	.000000	-0.003427
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.001137
M7A	.000000	.000000	.000000	0.001115
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	0.035002
N1B	.000000	.000000	.000000	0.011178
N1C	.000000	.000000	.000000	-0.022671
N2A	.000000	.000000	.000000	-0.003248
N2B	.000000	.000000	.000000	-0.000949
N2C	.000000	.000000	.000000	0.002189
N8A	.000000	.000000	.000000	0.002474
N8B	.000000	.000000	.000000	-0.001469
N8C	.000000	.000000	.000000	-0.004275
N9A	.000000	.000000	.000000	-0.030446
N9B	.000000	.000000	.000000	0.015421
N9C	.000000	.000000	.000000	0.047634
P10	.000000	.000000	.000000	.000000

MODE 42 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-7.51E-05
F3	.000000	.000000	.000000	-7.02E-05
F8	.000000	.000000	.000000	-5.20E-05
F9	.000000	.000000	.000000	-0.000106
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000

H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-1.19E-05
E2B	.000000	.000000	.000000	6.30E-05
E3A	.000000	.000000	.000000	1.60E-05
E3B	.000000	.000000	.000000	8.76E-06
E3C	.000000	.000000	.000000	-2.13E-06
E4A	.000000	.000000	.000000	-3.74E-05

E4B	.000000	.000000	.000000	9.35E-06
E6A	.000000	.000000	.000000	-1.77E-06
E6B	.000000	.000000	.000000	5.44E-06
E7A	.000000	.000000	.000000	3.47E-05
E7B	.000000	.000000	.000000	-1.80E-05
E7C	.000000	.000000	.000000	-5.49E-05
E8A	.000000	.000000	.000000	0.000162
E8B	.000000	.000000	.000000	-8.96E-06
G2A	.000000	.000000	.000000	1.76E-06
G2B	.000000	.000000	.000000	-8.20E-05
G2C	.000000	.000000	.000000	-3.65E-05
G3A	.000000	.000000	.000000	4.46E-05
G3B	.000000	.000000	.000000	0.000103
G3C	.000000	.000000	.000000	-1.68E-05
G4A	.000000	.000000	.000000	-3.96E-05
G6A	.000000	.000000	.000000	-2.00E-05
G7A	.000000	.000000	.000000	0.000169
G7B	.000000	.000000	.000000	-0.000139
G7C	.000000	.000000	.000000	-0.000219
G8A	.000000	.000000	.000000	0.000319
G8B	.000000	.000000	.000000	5.64E-05
G8C	.000000	.000000	.000000	-0.000320
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.000101
I2A	.000000	.000000	.000000	-1.35E-05
I2B	.000000	.000000	.000000	-0.000100
I2C	.000000	.000000	.000000	1.73E-05
I3A	.000000	.000000	.000000	2.74E-05
I3B	.000000	.000000	.000000	0.000103
I3C	.000000	.000000	.000000	5.62E-05
I4A	.000000	.000000	.000000	0.000115
I6A	.000000	.000000	.000000	-3.14E-05
I7A	.000000	.000000	.000000	0.000493
I7B	.000000	.000000	.000000	-0.000334
I7C	.000000	.000000	.000000	-0.000753
I8A	.000000	.000000	.000000	0.000935
I8B	.000000	.000000	.000000	0.000347
I8C	.000000	.000000	.000000	-0.000845
I9A	.000000	.000000	.000000	0.000878
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.000128
K1B	.000000	.000000	.000000	-0.000270
K2A	.000000	.000000	.000000	1.58E-05
K2B	.000000	.000000	.000000	-0.000113
K2C	.000000	.000000	.000000	2.54E-05
K3A	.000000	.000000	.000000	1.61E-05
K3B	.000000	.000000	.000000	9.11E-05
K7A	.000000	.000000	.000000	-0.000176
K7B	.000000	.000000	.000000	-0.001380
K8A	.000000	.000000	.000000	0.001520
K8B	.000000	.000000	.000000	0.000454
K8C	.000000	.000000	.000000	-0.001442
K9A	.000000	.000000	.000000	-0.000789
K9B	.000000	.000000	.000000	0.002439
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	4.25E-05
M7A	.000000	.000000	.000000	-0.002330
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.001218
N1B	.000000	.000000	.000000	-0.000438

N1C	.000000	.000000	.000000	0.000702
N2A	.000000	.000000	.000000	0.001581
N2B	.000000	.000000	.000000	0.000388
N2C	.000000	.000000	.000000	-0.001212
N8A	.000000	.000000	.000000	0.060470
N8B	.000000	.000000	.000000	-0.020250
N8C	.000000	.000000	.000000	-0.080230
N9A	.000000	.000000	.000000	0.003280
N9B	.000000	.000000	.000000	-0.000405
N9C	.000000	.000000	.000000	-0.003218
P10	.000000	.000000	.000000	.000000

MODE 43 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	1.20E-06
F3	.000000	.000000	.000000	2.43E-05
F8	.000000	.000000	.000000	-7.94E-05
F9	.000000	.000000	.000000	-0.000116
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000

K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	8.55E-06
E2B	.000000	.000000	.000000	8.49E-05
E3A	.000000	.000000	.000000	-5.40E-05
E3B	.000000	.000000	.000000	-2.60E-05
E3C	.000000	.000000	.000000	2.37E-05
E4A	.000000	.000000	.000000	-7.51E-07
E4B	.000000	.000000	.000000	6.70E-09
E6A	.000000	.000000	.000000	-5.05E-07
E6B	.000000	.000000	.000000	-4.48E-06
E7A	.000000	.000000	.000000	9.66E-06
E7B	.000000	.000000	.000000	9.55E-06
E7C	.000000	.000000	.000000	9.34E-07
E8A	.000000	.000000	.000000	-5.33E-05
E8B	.000000	.000000	.000000	-1.04E-05
G2A	.000000	.000000	.000000	-0.000313
G2B	.000000	.000000	.000000	0.000183
G2C	.000000	.000000	.000000	0.000378
G3A	.000000	.000000	.000000	-0.000335
G3B	.000000	.000000	.000000	-0.000191
G3C	.000000	.000000	.000000	0.000261
G4A	.000000	.000000	.000000	-1.46E-05
G6A	.000000	.000000	.000000	3.05E-06
G7A	.000000	.000000	.000000	-6.74E-05
G7B	.000000	.000000	.000000	6.98E-05

G7C	.000000	.000000	.000000	9.47E-05
G8A	.000000	.000000	.000000	-4.03E-05
G8B	.000000	.000000	.000000	-0.000127
G8C	.000000	.000000	.000000	-3.01E-05
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.000862
I2A	.000000	.000000	.000000	-0.000841
I2B	.000000	.000000	.000000	0.000478
I2C	.000000	.000000	.000000	0.000911
I3A	.000000	.000000	.000000	-0.000829
I3B	.000000	.000000	.000000	-0.000358
I3C	.000000	.000000	.000000	0.000565
I4A	.000000	.000000	.000000	1.06E-05
I6A	.000000	.000000	.000000	1.46E-05
I7A	.000000	.000000	.000000	-1.27E-05
I7B	.000000	.000000	.000000	3.82E-05
I7C	.000000	.000000	.000000	4.60E-05
I8A	.000000	.000000	.000000	5.47E-05
I8B	.000000	.000000	.000000	-0.000120
I8C	.000000	.000000	.000000	-7.63E-05
I9A	.000000	.000000	.000000	0.000216
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.002590
K1B	.000000	.000000	.000000	-0.000465
K2A	.000000	.000000	.000000	-0.001548
K2B	.000000	.000000	.000000	0.000370
K2C	.000000	.000000	.000000	0.001629
K3A	.000000	.000000	.000000	-0.001420
K3B	.000000	.000000	.000000	-0.000131
K7A	.000000	.000000	.000000	-4.17E-06
K7B	.000000	.000000	.000000	-8.09E-06
K8A	.000000	.000000	.000000	5.77E-05
K8B	.000000	.000000	.000000	-4.22E-05
K8C	.000000	.000000	.000000	-5.77E-05
K9A	.000000	.000000	.000000	-0.000393
K9B	.000000	.000000	.000000	0.000261
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.002310
M7A	.000000	.000000	.000000	-8.02E-05
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.002769
N1B	.000000	.000000	.000000	6.74E-06
N1C	.000000	.000000	.000000	0.003496
N2A	.000000	.000000	.000000	-0.080348
N2B	.000000	.000000	.000000	-0.020441
N2C	.000000	.000000	.000000	0.060285
N8A	.000000	.000000	.000000	0.001138
N8B	.000000	.000000	.000000	-0.000348
N8C	.000000	.000000	.000000	-0.001460
N9A	.000000	.000000	.000000	0.000998
N9B	.000000	.000000	.000000	-0.000617
N9C	.000000	.000000	.000000	-0.001724
P10	.000000	.000000	.000000	.000000

MODE 44 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000

D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-0.001233
F3	.000000	.000000	.000000	-0.000962
F8	.000000	.000000	.000000	0.000317
F9	.000000	.000000	.000000	0.000833
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000

M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-0.000162
E2B	.000000	.000000	.000000	-0.000434
E3A	.000000	.000000	.000000	0.000213
E3B	.000000	.000000	.000000	0.000231
E3C	.000000	.000000	.000000	3.28E-06
E4A	.000000	.000000	.000000	-0.000473
E4B	.000000	.000000	.000000	0.000163
E6A	.000000	.000000	.000000	0.000215
E6B	.000000	.000000	.000000	-0.000545
E7A	.000000	.000000	.000000	0.000295
E7B	.000000	.000000	.000000	1.51E-06
E7C	.000000	.000000	.000000	-0.000293
E8A	.000000	.000000	.000000	0.000222
E8B	.000000	.000000	.000000	0.000102
G2A	.000000	.000000	.000000	3.84E-05
G2B	.000000	.000000	.000000	-0.002023
G2C	.000000	.000000	.000000	-0.000649
G3A	.000000	.000000	.000000	0.001087
G3B	.000000	.000000	.000000	0.002120
G3C	.000000	.000000	.000000	-0.000741
G4A	.000000	.000000	.000000	-0.000640
G6A	.000000	.000000	.000000	-0.000625
G7A	.000000	.000000	.000000	0.001379
G7B	.000000	.000000	.000000	0.000408
G7C	.000000	.000000	.000000	-0.001321
G8A	.000000	.000000	.000000	0.000353
G8B	.000000	.000000	.000000	0.001228
G8C	.000000	.000000	.000000	2.95E-05
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.003087
I2A	.000000	.000000	.000000	-0.000629
I2B	.000000	.000000	.000000	-0.003049
I2C	.000000	.000000	.000000	0.001046
I3A	.000000	.000000	.000000	0.000892
I3B	.000000	.000000	.000000	0.002003
I3C	.000000	.000000	.000000	0.000475
I4A	.000000	.000000	.000000	0.003683
I6A	.000000	.000000	.000000	0.004358
I7A	.000000	.000000	.000000	0.001849
I7B	.000000	.000000	.000000	0.001111
I7C	.000000	.000000	.000000	-0.000879
I8A	.000000	.000000	.000000	-0.000136

I8B	.000000	.000000	.000000	0.000830
I8C	.000000	.000000	.000000	-4.00E-05
I9A	.000000	.000000	.000000	-0.002575
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.006022
K1B	.000000	.000000	.000000	-0.005790
K2A	.000000	.000000	.000000	-0.000508
K2B	.000000	.000000	.000000	-0.002054
K2C	.000000	.000000	.000000	0.000841
K3A	.000000	.000000	.000000	-6.60E-05
K3B	.000000	.000000	.000000	0.002198
K7A	.000000	.000000	.000000	0.002677
K7B	.000000	.000000	.000000	-0.000791
K8A	.000000	.000000	.000000	0.000495
K8B	.000000	.000000	.000000	-0.000892
K8C	.000000	.000000	.000000	-0.000282
K9A	.000000	.000000	.000000	0.000454
K9B	.000000	.000000	.000000	0.001031
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.000831
M7A	.000000	.000000	.000000	-9.34E-05
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.004380
N1B	.000000	.000000	.000000	-0.002008
N1C	.000000	.000000	.000000	0.001794
N2A	.000000	.000000	.000000	-0.001544
N2B	.000000	.000000	.000000	1.12E-05
N2C	.000000	.000000	.000000	0.001878
N8A	.000000	.000000	.000000	-3.65E-05
N8B	.000000	.000000	.000000	-0.000192
N8C	.000000	.000000	.000000	-0.000245
N9A	.000000	.000000	.000000	-0.003506
N9B	.000000	.000000	.000000	0.003294
N9C	.000000	.000000	.000000	0.007637
P10	.000000	.000000	.000000	.000000

MODE 45 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	0.002355
F3	.000000	.000000	.000000	0.001861
F8	.000000	.000000	.000000	2.35E-05

F9	.000000	.000000	.000000	-0.000640
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000

P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	0.000274
E2B	.000000	.000000	.000000	0.000808
E3A	.000000	.000000	.000000	-0.000570
E3B	.000000	.000000	.000000	-0.000286
E3C	.000000	.000000	.000000	0.000311
E4A	.000000	.000000	.000000	-0.000127
E4B	.000000	.000000	.000000	0.000133
E6A	.000000	.000000	.000000	6.38E-05
E6B	.000000	.000000	.000000	-0.000144
E7A	.000000	.000000	.000000	-1.77E-05
E7B	.000000	.000000	.000000	0.000119
E7C	.000000	.000000	.000000	0.000128
E8A	.000000	.000000	.000000	-0.000210
E8B	.000000	.000000	.000000	-0.000162
G2A	.000000	.000000	.000000	-0.000625
G2B	.000000	.000000	.000000	0.003625
G2C	.000000	.000000	.000000	0.001489
G3A	.000000	.000000	.000000	-0.002836
G3B	.000000	.000000	.000000	-0.002295
G3C	.000000	.000000	.000000	0.002610
G4A	.000000	.000000	.000000	0.000138
G6A	.000000	.000000	.000000	-0.000130
G7A	.000000	.000000	.000000	-0.000735
G7B	.000000	.000000	.000000	0.001018
G7C	.000000	.000000	.000000	0.000848
G8A	.000000	.000000	.000000	6.56E-05
G8B	.000000	.000000	.000000	-0.001842
G8C	.000000	.000000	.000000	-0.000588
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.005825
I2A	.000000	.000000	.000000	4.01E-05
I2B	.000000	.000000	.000000	0.003493
I2C	.000000	.000000	.000000	-0.000731
I3A	.000000	.000000	.000000	-0.001726
I3B	.000000	.000000	.000000	-0.001003
I3C	.000000	.000000	.000000	0.001277
I4A	.000000	.000000	.000000	0.001427
I6A	.000000	.000000	.000000	0.001264
I7A	.000000	.000000	.000000	-0.000524
I7B	.000000	.000000	.000000	0.001004
I7C	.000000	.000000	.000000	0.001041
I8A	.000000	.000000	.000000	0.001744
I8B	.000000	.000000	.000000	-0.003467
I8C	.000000	.000000	.000000	-0.001054
I9A	.000000	.000000	.000000	0.005616
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.002119
K1B	.000000	.000000	.000000	0.003067
K2A	.000000	.000000	.000000	-0.000103
K2B	.000000	.000000	.000000	0.000562
K2C	.000000	.000000	.000000	-5.66E-05
K3A	.000000	.000000	.000000	-0.000654
K3B	.000000	.000000	.000000	0.000874
K7A	.000000	.000000	.000000	0.000614
K7B	.000000	.000000	.000000	0.000385
K8A	.000000	.000000	.000000	0.001179
K8B	.000000	.000000	.000000	-0.002255
K8C	.000000	.000000	.000000	-0.000568
K9A	.000000	.000000	.000000	-0.003925

K9B	.000000	.000000	.000000	0.005454
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000811
M7A	.000000	.000000	.000000	-0.000702
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	0.012339
N1B	.000000	.000000	.000000	0.005576
N1C	.000000	.000000	.000000	-0.005261
N2A	.000000	.000000	.000000	0.001362
N2B	.000000	.000000	.000000	-0.000226
N2C	.000000	.000000	.000000	-0.002023
N8A	.000000	.000000	.000000	0.000960
N8B	.000000	.000000	.000000	0.000624
N8C	.000000	.000000	.000000	8.83E-05
N9A	.000000	.000000	.000000	0.001093
N9B	.000000	.000000	.000000	-0.002186
N9C	.000000	.000000	.000000	-0.004051
P10	.000000	.000000	.000000	.000000

MODE 46 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-1.60E-05
F3	.000000	.000000	.000000	2.88E-05
F8	.000000	.000000	.000000	2.21E-05
F9	.000000	.000000	.000000	-1.72E-05
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000

I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	2.49E-05
E2B	.000000	.000000	.000000	4.55E-05
E3A	.000000	.000000	.000000	0.000105
E3B	.000000	.000000	.000000	-0.000146
E3C	.000000	.000000	.000000	-0.000213
E4A	.000000	.000000	.000000	0.000283
E4B	.000000	.000000	.000000	9.86E-05
E6A	.000000	.000000	.000000	0.000131
E6B	.000000	.000000	.000000	0.000400
E7A	.000000	.000000	.000000	-0.000291
E7B	.000000	.000000	.000000	-0.000211
E7C	.000000	.000000	.000000	0.000129
E8A	.000000	.000000	.000000	6.74E-05
E8B	.000000	.000000	.000000	4.57E-05
G2A	.000000	.000000	.000000	0.000147

G2B	.000000	.000000	.000000	0.000352
G2C	.000000	.000000	.000000	-0.000163
G3A	.000000	.000000	.000000	0.000585
G3B	.000000	.000000	.000000	-0.002091
G3C	.000000	.000000	.000000	-0.000223
G4A	.000000	.000000	.000000	0.001124
G6A	.000000	.000000	.000000	0.001530
G7A	.000000	.000000	.000000	-3.29E-05
G7B	.000000	.000000	.000000	-0.003172
G7C	.000000	.000000	.000000	0.000701
G8A	.000000	.000000	.000000	-0.000204
G8B	.000000	.000000	.000000	0.000723
G8C	.000000	.000000	.000000	0.000200
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.001871
I2A	.000000	.000000	.000000	0.000272
I2B	.000000	.000000	.000000	0.001687
I2C	.000000	.000000	.000000	-0.001201
I3A	.000000	.000000	.000000	0.000312
I3B	.000000	.000000	.000000	-0.002350
I3C	.000000	.000000	.000000	-0.001443
I4A	.000000	.000000	.000000	-0.004967
I6A	.000000	.000000	.000000	-0.006826
I7A	.000000	.000000	.000000	-0.001758
I7B	.000000	.000000	.000000	-0.003439
I7C	.000000	.000000	.000000	0.000220
I8A	.000000	.000000	.000000	-0.002233
I8B	.000000	.000000	.000000	0.003286
I8C	.000000	.000000	.000000	0.000460
I9A	.000000	.000000	.000000	-0.000704
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.001336
K1B	.000000	.000000	.000000	0.001941
K2A	.000000	.000000	.000000	-6.55E-05
K2B	.000000	.000000	.000000	-0.000451
K2C	.000000	.000000	.000000	0.000352
K3A	.000000	.000000	.000000	0.001222
K3B	.000000	.000000	.000000	-0.003518
K7A	.000000	.000000	.000000	-0.004571
K7B	.000000	.000000	.000000	0.001355
K8A	.000000	.000000	.000000	-0.000333
K8B	.000000	.000000	.000000	0.000775
K8C	.000000	.000000	.000000	-0.000119
K9A	.000000	.000000	.000000	0.004832
K9B	.000000	.000000	.000000	-0.004929
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000417
M7A	.000000	.000000	.000000	0.000469
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	0.000804
N1B	.000000	.000000	.000000	0.000879
N1C	.000000	.000000	.000000	0.000498
N2A	.000000	.000000	.000000	-0.000333
N2B	.000000	.000000	.000000	-0.000743
N2C	.000000	.000000	.000000	-0.000787
N8A	.000000	.000000	.000000	-0.001072
N8B	.000000	.000000	.000000	-0.000735
N8C	.000000	.000000	.000000	-8.21E-05
N9A	.000000	.000000	.000000	0.000555
N9B	.000000	.000000	.000000	0.000816

N9C	.000000	.000000	.000000	0.000667
P10	.000000	.000000	.000000	.000000

MODE 47 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	0.004804
F3	.000000	.000000	.000000	0.003471
F8	.000000	.000000	.000000	-0.003159
F9	.000000	.000000	.000000	-0.004651
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000

L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-1.46E-06
E2B	.000000	.000000	.000000	-1.62E-05
E3A	.000000	.000000	.000000	1.39E-05
E3B	.000000	.000000	.000000	-1.72E-05
E3C	.000000	.000000	.000000	-1.73E-05
E4A	.000000	.000000	.000000	2.34E-05
E4B	.000000	.000000	.000000	4.27E-06
E6A	.000000	.000000	.000000	-5.57E-06
E6B	.000000	.000000	.000000	1.32E-05
E7A	.000000	.000000	.000000	1.43E-05
E7B	.000000	.000000	.000000	-2.00E-05
E7C	.000000	.000000	.000000	-3.00E-05
E8A	.000000	.000000	.000000	4.65E-05
E8B	.000000	.000000	.000000	3.36E-06
G2A	.000000	.000000	.000000	-0.000203
G2B	.000000	.000000	.000000	0.000594
G2C	.000000	.000000	.000000	0.000144
G3A	.000000	.000000	.000000	-0.000295
G3B	.000000	.000000	.000000	-0.000742
G3C	.000000	.000000	.000000	0.000535
G4A	.000000	.000000	.000000	8.58E-05
G6A	.000000	.000000	.000000	4.32E-06
G7A	.000000	.000000	.000000	-0.000307
G7B	.000000	.000000	.000000	0.000292
G7C	.000000	.000000	.000000	0.000201
G8A	.000000	.000000	.000000	9.34E-05
G8B	.000000	.000000	.000000	-0.000540
G8C	.000000	.000000	.000000	-8.20E-05
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.000892
I2A	.000000	.000000	.000000	-0.000111
I2B	.000000	.000000	.000000	0.001001
I2C	.000000	.000000	.000000	-0.000455

I3A	.000000	.000000	.000000	-0.000249
I3B	.000000	.000000	.000000	-0.000479
I3C	.000000	.000000	.000000	0.000186
I4A	.000000	.000000	.000000	-0.000620
I6A	.000000	.000000	.000000	-0.000117
I7A	.000000	.000000	.000000	-0.000373
I7B	.000000	.000000	.000000	0.000301
I7C	.000000	.000000	.000000	0.000359
I8A	.000000	.000000	.000000	0.001264
I8B	.000000	.000000	.000000	-0.001945
I8C	.000000	.000000	.000000	-0.000106
I9A	.000000	.000000	.000000	0.001928
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.000929
K1B	.000000	.000000	.000000	0.000769
K2A	.000000	.000000	.000000	-8.42E-05
K2B	.000000	.000000	.000000	0.000473
K2C	.000000	.000000	.000000	-0.000200
K3A	.000000	.000000	.000000	-5.69E-05
K3B	.000000	.000000	.000000	-0.000244
K7A	.000000	.000000	.000000	-5.89E-05
K7B	.000000	.000000	.000000	0.000227
K8A	.000000	.000000	.000000	0.000765
K8B	.000000	.000000	.000000	-0.001286
K8C	.000000	.000000	.000000	6.00E-05
K9A	.000000	.000000	.000000	-0.001298
K9B	.000000	.000000	.000000	0.002190
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	5.23E-05
M7A	.000000	.000000	.000000	-0.000131
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	0.000961
N1B	.000000	.000000	.000000	0.000486
N1C	.000000	.000000	.000000	-0.000357
N2A	.000000	.000000	.000000	0.000137
N2B	.000000	.000000	.000000	-1.12E-05
N2C	.000000	.000000	.000000	-0.000181
N8A	.000000	.000000	.000000	0.000220
N8B	.000000	.000000	.000000	0.000170
N8C	.000000	.000000	.000000	3.89E-05
N9A	.000000	.000000	.000000	4.83E-06
N9B	.000000	.000000	.000000	-0.000352
N9C	.000000	.000000	.000000	-0.000487
P10	.000000	.000000	.000000	.000000

MODE 48 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000

E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	0.000854
F3	.000000	.000000	.000000	0.000439
F8	.000000	.000000	.000000	-0.000637
F9	.000000	.000000	.000000	-0.000724
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000

N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	0.000127
E2B	.000000	.000000	.000000	0.000240
E3A	.000000	.000000	.000000	-0.000161
E3B	.000000	.000000	.000000	-0.000142
E3C	.000000	.000000	.000000	9.90E-05
E4A	.000000	.000000	.000000	-1.16E-05
E4B	.000000	.000000	.000000	3.10E-05
E6A	.000000	.000000	.000000	4.74E-05
E6B	.000000	.000000	.000000	9.77E-05
E7A	.000000	.000000	.000000	-1.31E-05
E7B	.000000	.000000	.000000	-0.000119
E7C	.000000	.000000	.000000	-5.84E-05
E8A	.000000	.000000	.000000	0.000102
E8B	.000000	.000000	.000000	0.000114
G2A	.000000	.000000	.000000	-0.000365
G2B	.000000	.000000	.000000	0.002238
G2C	.000000	.000000	.000000	-0.000144
G3A	.000000	.000000	.000000	-0.000829
G3B	.000000	.000000	.000000	-0.001968
G3C	.000000	.000000	.000000	0.001750
G4A	.000000	.000000	.000000	9.28E-05
G6A	.000000	.000000	.000000	0.000426
G7A	.000000	.000000	.000000	0.000900
G7B	.000000	.000000	.000000	-0.001833
G7C	.000000	.000000	.000000	-0.000186
G8A	.000000	.000000	.000000	-0.000677
G8B	.000000	.000000	.000000	0.001936
G8C	.000000	.000000	.000000	0.000344
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.003202
I2A	.000000	.000000	.000000	-0.000603
I2B	.000000	.000000	.000000	0.009815
I2C	.000000	.000000	.000000	-0.006904
I3A	.000000	.000000	.000000	-0.001236
I3B	.000000	.000000	.000000	-0.001465
I3C	.000000	.000000	.000000	0.001379
I4A	.000000	.000000	.000000	-1.22E-05
I6A	.000000	.000000	.000000	-0.003296
I7A	.000000	.000000	.000000	0.001095
I7B	.000000	.000000	.000000	-0.002393
I7C	.000000	.000000	.000000	-0.001263
I8A	.000000	.000000	.000000	-0.014039
I8B	.000000	.000000	.000000	0.017941
I8C	.000000	.000000	.000000	0.000131
I9A	.000000	.000000	.000000	-0.005990
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.003183
K1B	.000000	.000000	.000000	-0.003818
K2A	.000000	.000000	.000000	-0.001202
K2B	.000000	.000000	.000000	0.006319

K2C	.000000	.000000	.000000	-0.003877
K3A	.000000	.000000	.000000	-0.000824
K3B	.000000	.000000	.000000	0.000127
K7A	.000000	.000000	.000000	-0.001208
K7B	.000000	.000000	.000000	-0.000889
K8A	.000000	.000000	.000000	-0.014323
K8B	.000000	.000000	.000000	0.020651
K8C	.000000	.000000	.000000	-0.002550
K9A	.000000	.000000	.000000	0.044077
K9B	.000000	.000000	.000000	-0.061462
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000577
M7A	.000000	.000000	.000000	0.000738
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.001322
N1B	.000000	.000000	.000000	-0.000342
N1C	.000000	.000000	.000000	0.001036
N2A	.000000	.000000	.000000	0.000179
N2B	.000000	.000000	.000000	-0.000564
N2C	.000000	.000000	.000000	-0.001063
N8A	.000000	.000000	.000000	-0.000958
N8B	.000000	.000000	.000000	-0.001535
N8C	.000000	.000000	.000000	-0.001147
N9A	.000000	.000000	.000000	0.003845
N9B	.000000	.000000	.000000	-0.002276
N9C	.000000	.000000	.000000	-0.006244
P10	.000000	.000000	.000000	.000000

MODE 49 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-0.000209
F3	.000000	.000000	.000000	-5.98E-05
F8	.000000	.000000	.000000	0.000242
F9	.000000	.000000	.000000	0.000201
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000

H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-5.72E-05
E2B	.000000	.000000	.000000	-8.80E-05
E3A	.000000	.000000	.000000	2.56E-05
E3B	.000000	.000000	.000000	0.000111
E3C	.000000	.000000	.000000	3.63E-05
E4A	.000000	.000000	.000000	-9.83E-05

E4B	.000000	.000000	.000000	-3.44E-05
E6A	.000000	.000000	.000000	-4.15E-05
E6B	.000000	.000000	.000000	-0.000166
E7A	.000000	.000000	.000000	7.70E-05
E7B	.000000	.000000	.000000	0.000130
E7C	.000000	.000000	.000000	-4.66E-06
E8A	.000000	.000000	.000000	-8.88E-05
E8B	.000000	.000000	.000000	-2.87E-05
G2A	.000000	.000000	.000000	0.000152
G2B	.000000	.000000	.000000	-0.001080
G2C	.000000	.000000	.000000	0.000129
G3A	.000000	.000000	.000000	9.47E-05
G3B	.000000	.000000	.000000	0.001858
G3C	.000000	.000000	.000000	-0.000921
G4A	.000000	.000000	.000000	-0.000391
G6A	.000000	.000000	.000000	-0.000589
G7A	.000000	.000000	.000000	-0.000846
G7B	.000000	.000000	.000000	0.002232
G7C	.000000	.000000	.000000	-0.000128
G8A	.000000	.000000	.000000	-0.000120
G8B	.000000	.000000	.000000	-0.000583
G8C	.000000	.000000	.000000	0.000286
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.001301
I2A	.000000	.000000	.000000	0.000453
I2B	.000000	.000000	.000000	-0.007096
I2C	.000000	.000000	.000000	0.005208
I3A	.000000	.000000	.000000	0.000549
I3B	.000000	.000000	.000000	0.001756
I3C	.000000	.000000	.000000	-0.000420
I4A	.000000	.000000	.000000	0.003903
I6A	.000000	.000000	.000000	0.005878
I7A	.000000	.000000	.000000	-0.000211
I7B	.000000	.000000	.000000	0.002253
I7C	.000000	.000000	.000000	0.000494
I8A	.000000	.000000	.000000	0.002375
I8B	.000000	.000000	.000000	-0.004098
I8C	.000000	.000000	.000000	0.000808
I9A	.000000	.000000	.000000	0.001526
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.010622
K1B	.000000	.000000	.000000	0.009067
K2A	.000000	.000000	.000000	0.000958
K2B	.000000	.000000	.000000	-0.004409
K2C	.000000	.000000	.000000	0.002718
K3A	.000000	.000000	.000000	4.03E-05
K3B	.000000	.000000	.000000	0.001441
K7A	.000000	.000000	.000000	0.001925
K7B	.000000	.000000	.000000	-4.17E-05
K8A	.000000	.000000	.000000	-0.004097
K8B	.000000	.000000	.000000	0.004303
K8C	.000000	.000000	.000000	0.000298
K9A	.000000	.000000	.000000	0.084170
K9B	.000000	.000000	.000000	-0.108009
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.000307
M7A	.000000	.000000	.000000	-0.000359
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	0.001239
N1B	.000000	.000000	.000000	0.000396

N1C	.000000	.000000	.000000	-0.000853
N2A	.000000	.000000	.000000	-0.000187
N2B	.000000	.000000	.000000	0.000425
N2C	.000000	.000000	.000000	0.000856
N8A	.000000	.000000	.000000	0.001780
N8B	.000000	.000000	.000000	-0.000318
N8C	.000000	.000000	.000000	-0.001909
N9A	.000000	.000000	.000000	0.001142
N9B	.000000	.000000	.000000	-0.000825
N9C	.000000	.000000	.000000	-0.002048
P10	.000000	.000000	.000000	.000000

MODE 50 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-6.90E-06
F3	.000000	.000000	.000000	-5.28E-05
F8	.000000	.000000	.000000	-5.00E-05
F9	.000000	.000000	.000000	2.47E-05
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000

K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	4.58E-05
E2B	.000000	.000000	.000000	4.08E-05
E3A	.000000	.000000	.000000	-3.25E-05
E3B	.000000	.000000	.000000	-9.93E-06
E3C	.000000	.000000	.000000	3.87E-05
E4A	.000000	.000000	.000000	-4.11E-05
E4B	.000000	.000000	.000000	5.12E-06
E6A	.000000	.000000	.000000	-5.66E-06
E6B	.000000	.000000	.000000	-4.97E-05
E7A	.000000	.000000	.000000	4.44E-05
E7B	.000000	.000000	.000000	2.17E-05
E7C	.000000	.000000	.000000	-3.32E-05
E8A	.000000	.000000	.000000	1.97E-05
E8B	.000000	.000000	.000000	6.28E-06
G2A	.000000	.000000	.000000	0.000242
G2B	.000000	.000000	.000000	0.000739
G2C	.000000	.000000	.000000	-0.000364
G3A	.000000	.000000	.000000	-0.000181
G3B	.000000	.000000	.000000	-2.12E-05
G3C	.000000	.000000	.000000	0.000220
G4A	.000000	.000000	.000000	-7.40E-05
G6A	.000000	.000000	.000000	-0.000169
G7A	.000000	.000000	.000000	-6.85E-05
G7B	.000000	.000000	.000000	0.000485

G7C	.000000	.000000	.000000	-0.000176
G8A	.000000	.000000	.000000	-0.000118
G8B	.000000	.000000	.000000	0.000239
G8C	.000000	.000000	.000000	-1.17E-05
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.002218
I2A	.000000	.000000	.000000	0.000224
I2B	.000000	.000000	.000000	0.008081
I2C	.000000	.000000	.000000	-0.006815
I3A	.000000	.000000	.000000	-0.000391
I3B	.000000	.000000	.000000	-0.000160
I3C	.000000	.000000	.000000	0.000524
I4A	.000000	.000000	.000000	0.001307
I6A	.000000	.000000	.000000	0.001709
I7A	.000000	.000000	.000000	0.000314
I7B	.000000	.000000	.000000	0.000321
I7C	.000000	.000000	.000000	-0.000153
I8A	.000000	.000000	.000000	-0.000308
I8B	.000000	.000000	.000000	0.000447
I8C	.000000	.000000	.000000	-4.55E-05
I9A	.000000	.000000	.000000	-0.000381
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.126366
K1B	.000000	.000000	.000000	0.096563
K2A	.000000	.000000	.000000	-0.001761
K2B	.000000	.000000	.000000	0.015663
K2C	.000000	.000000	.000000	-0.011637
K3A	.000000	.000000	.000000	-0.000413
K3B	.000000	.000000	.000000	0.000256
K7A	.000000	.000000	.000000	0.000762
K7B	.000000	.000000	.000000	-0.000280
K8A	.000000	.000000	.000000	0.000215
K8B	.000000	.000000	.000000	-0.000235
K8C	.000000	.000000	.000000	-1.93E-06
K9A	.000000	.000000	.000000	-0.006002
K9B	.000000	.000000	.000000	0.007631
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000121
M7A	.000000	.000000	.000000	9.09E-05
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.005284
N1B	.000000	.000000	.000000	-0.002012
N1C	.000000	.000000	.000000	0.003130
N2A	.000000	.000000	.000000	-0.002110
N2B	.000000	.000000	.000000	-0.001157
N2C	.000000	.000000	.000000	0.000764
N8A	.000000	.000000	.000000	-5.45E-05
N8B	.000000	.000000	.000000	3.82E-05
N8C	.000000	.000000	.000000	9.20E-05
N9A	.000000	.000000	.000000	-0.000164
N9B	.000000	.000000	.000000	0.000163
N9C	.000000	.000000	.000000	0.000353
P10	.000000	.000000	.000000	.000000

MODE 51 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000

D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-0.000264
F3	.000000	.000000	.000000	-0.000214
F8	.000000	.000000	.000000	2.94E-05
F9	.000000	.000000	.000000	0.000233
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000

M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	3.61E-05
E2B	.000000	.000000	.000000	3.85E-05
E3A	.000000	.000000	.000000	-4.80E-06
E3B	.000000	.000000	.000000	-5.89E-05
E3C	.000000	.000000	.000000	-2.17E-05
E4A	.000000	.000000	.000000	5.26E-05
E4B	.000000	.000000	.000000	1.81E-05
E6A	.000000	.000000	.000000	6.89E-06
E6B	.000000	.000000	.000000	2.71E-05
E7A	.000000	.000000	.000000	-3.82E-05
E7B	.000000	.000000	.000000	8.12E-06
E7C	.000000	.000000	.000000	4.59E-05
E8A	.000000	.000000	.000000	-4.47E-05
E8B	.000000	.000000	.000000	-3.09E-05
G2A	.000000	.000000	.000000	4.19E-05
G2B	.000000	.000000	.000000	0.000670
G2C	.000000	.000000	.000000	-0.000205
G3A	.000000	.000000	.000000	4.13E-05
G3B	.000000	.000000	.000000	-0.001258
G3C	.000000	.000000	.000000	0.000694
G4A	.000000	.000000	.000000	0.000208
G6A	.000000	.000000	.000000	9.81E-05
G7A	.000000	.000000	.000000	-0.000381
G7B	.000000	.000000	.000000	0.000181
G7C	.000000	.000000	.000000	0.000241
G8A	.000000	.000000	.000000	1.79E-06
G8B	.000000	.000000	.000000	-0.000417
G8C	.000000	.000000	.000000	2.63E-05
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.001301
I2A	.000000	.000000	.000000	-0.002084
I2B	.000000	.000000	.000000	0.023950
I2C	.000000	.000000	.000000	-0.019854
I3A	.000000	.000000	.000000	-0.000777
I3B	.000000	.000000	.000000	-0.001870
I3C	.000000	.000000	.000000	0.001128
I4A	.000000	.000000	.000000	-0.003325
I6A	.000000	.000000	.000000	-0.001626
I7A	.000000	.000000	.000000	-0.000968
I7B	.000000	.000000	.000000	0.000571
I7C	.000000	.000000	.000000	0.000694
I8A	.000000	.000000	.000000	0.014822

I8B	.000000	.000000	.000000	-0.017819
I8C	.000000	.000000	.000000	0.001512
I9A	.000000	.000000	.000000	0.000648
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.020101
K1B	.000000	.000000	.000000	-0.016860
K2A	.000000	.000000	.000000	-0.013077
K2B	.000000	.000000	.000000	0.058898
K2C	.000000	.000000	.000000	-0.043051
K3A	.000000	.000000	.000000	-0.000468
K3B	.000000	.000000	.000000	-0.001872
K7A	.000000	.000000	.000000	0.000565
K7B	.000000	.000000	.000000	0.000743
K8A	.000000	.000000	.000000	0.043069
K8B	.000000	.000000	.000000	-0.058652
K8C	.000000	.000000	.000000	0.012870
K9A	.000000	.000000	.000000	0.020382
K9B	.000000	.000000	.000000	-0.024420
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000238
M7A	.000000	.000000	.000000	-0.000254
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.000752
N1B	.000000	.000000	.000000	-0.000114
N1C	.000000	.000000	.000000	0.000712
N2A	.000000	.000000	.000000	9.04E-05
N2B	.000000	.000000	.000000	-0.000486
N2C	.000000	.000000	.000000	-0.000811
N8A	.000000	.000000	.000000	0.000696
N8B	.000000	.000000	.000000	0.000365
N8C	.000000	.000000	.000000	-0.000144
N9A	.000000	.000000	.000000	-0.000406
N9B	.000000	.000000	.000000	-9.61E-05
N9C	.000000	.000000	.000000	0.000220
P10	.000000	.000000	.000000	.000000

MODE 52 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	6.89E-05
F3	.000000	.000000	.000000	4.05E-05
F8	.000000	.000000	.000000	6.24E-06

F9	.000000	.000000	.000000	1.56E-05
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000

P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-2.03E-05
E2B	.000000	.000000	.000000	-1.61E-05
E3A	.000000	.000000	.000000	6.06E-05
E3B	.000000	.000000	.000000	-4.18E-05
E3C	.000000	.000000	.000000	-7.35E-05
E4A	.000000	.000000	.000000	0.000119
E4B	.000000	.000000	.000000	1.01E-05
E6A	.000000	.000000	.000000	3.37E-05
E6B	.000000	.000000	.000000	0.000126
E7A	.000000	.000000	.000000	-9.93E-05
E7B	.000000	.000000	.000000	-6.85E-05
E7C	.000000	.000000	.000000	6.26E-05
E8A	.000000	.000000	.000000	-9.60E-07
E8B	.000000	.000000	.000000	-1.18E-05
G2A	.000000	.000000	.000000	1.71E-05
G2B	.000000	.000000	.000000	-0.000478
G2C	.000000	.000000	.000000	0.000186
G3A	.000000	.000000	.000000	0.000378
G3B	.000000	.000000	.000000	-0.000915
G3C	.000000	.000000	.000000	0.000130
G4A	.000000	.000000	.000000	0.000319
G6A	.000000	.000000	.000000	0.000468
G7A	.000000	.000000	.000000	0.000408
G7B	.000000	.000000	.000000	-0.001572
G7C	.000000	.000000	.000000	0.000438
G8A	.000000	.000000	.000000	0.000166
G8B	.000000	.000000	.000000	-0.000285
G8C	.000000	.000000	.000000	-4.97E-05
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.000739
I2A	.000000	.000000	.000000	0.001183
I2B	.000000	.000000	.000000	-0.012760
I2C	.000000	.000000	.000000	0.010621
I3A	.000000	.000000	.000000	0.000628
I3B	.000000	.000000	.000000	-0.000366
I3C	.000000	.000000	.000000	-0.000849
I4A	.000000	.000000	.000000	-0.005428
I6A	.000000	.000000	.000000	-0.007524
I7A	.000000	.000000	.000000	-0.000876
I7B	.000000	.000000	.000000	-0.000860
I7C	.000000	.000000	.000000	0.000502
I8A	.000000	.000000	.000000	0.007094
I8B	.000000	.000000	.000000	-0.008422
I8C	.000000	.000000	.000000	0.000706
I9A	.000000	.000000	.000000	8.85E-05
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.021276
K1B	.000000	.000000	.000000	0.017117
K2A	.000000	.000000	.000000	0.013839
K2B	.000000	.000000	.000000	-0.061701
K2C	.000000	.000000	.000000	0.045532
K3A	.000000	.000000	.000000	0.000912
K3B	.000000	.000000	.000000	-0.000493
K7A	.000000	.000000	.000000	-0.001157
K7B	.000000	.000000	.000000	0.000967
K8A	.000000	.000000	.000000	0.043159
K8B	.000000	.000000	.000000	-0.058270
K8C	.000000	.000000	.000000	0.012931
K9A	.000000	.000000	.000000	0.016858

K9B	.000000	.000000	.000000	-0.020609
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.000199
M7A	.000000	.000000	.000000	-0.000230
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.000948
N1B	.000000	.000000	.000000	-0.000595
N1C	.000000	.000000	.000000	0.000212
N2A	.000000	.000000	.000000	-0.000123
N2B	.000000	.000000	.000000	0.000127
N2C	.000000	.000000	.000000	0.000329
N8A	.000000	.000000	.000000	0.000190
N8B	.000000	.000000	.000000	0.000152
N8C	.000000	.000000	.000000	2.67E-05
N9A	.000000	.000000	.000000	0.000126
N9B	.000000	.000000	.000000	-0.000553
N9C	.000000	.000000	.000000	-0.000821
P10	.000000	.000000	.000000	.000000

MODE 53 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-0.000227
F3	.000000	.000000	.000000	-0.000179
F8	.000000	.000000	.000000	1.46E-05
F9	.000000	.000000	.000000	0.000204
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000

I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	4.64E-05
E2B	.000000	.000000	.000000	3.43E-05
E3A	.000000	.000000	.000000	-2.95E-05
E3B	.000000	.000000	.000000	-3.14E-05
E3C	.000000	.000000	.000000	-5.62E-07
E4A	.000000	.000000	.000000	3.63E-05
E4B	.000000	.000000	.000000	3.68E-06
E6A	.000000	.000000	.000000	-8.72E-06
E6B	.000000	.000000	.000000	-3.08E-05
E7A	.000000	.000000	.000000	-1.97E-06
E7B	.000000	.000000	.000000	4.24E-05
E7C	.000000	.000000	.000000	2.83E-05
E8A	.000000	.000000	.000000	-5.11E-05
E8B	.000000	.000000	.000000	-2.74E-05
G2A	.000000	.000000	.000000	2.14E-05

G2B	.000000	.000000	.000000	0.000884
G2C	.000000	.000000	.000000	-0.000346
G3A	.000000	.000000	.000000	-9.56E-05
G3B	.000000	.000000	.000000	-0.000718
G3C	.000000	.000000	.000000	0.000455
G4A	.000000	.000000	.000000	0.000103
G6A	.000000	.000000	.000000	-0.000112
G7A	.000000	.000000	.000000	-0.000711
G7B	.000000	.000000	.000000	0.001047
G7C	.000000	.000000	.000000	6.28E-05
G8A	.000000	.000000	.000000	3.06E-05
G8B	.000000	.000000	.000000	-0.000496
G8C	.000000	.000000	.000000	6.33E-05
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.001317
I2A	.000000	.000000	.000000	-0.006925
I2B	.000000	.000000	.000000	0.069098
I2C	.000000	.000000	.000000	-0.059575
I3A	.000000	.000000	.000000	-0.000865
I3B	.000000	.000000	.000000	-0.001376
I3C	.000000	.000000	.000000	0.001068
I4A	.000000	.000000	.000000	-0.001540
I6A	.000000	.000000	.000000	0.001660
I7A	.000000	.000000	.000000	-0.000652
I7B	.000000	.000000	.000000	0.001001
I7C	.000000	.000000	.000000	0.000596
I8A	.000000	.000000	.000000	0.041190
I8B	.000000	.000000	.000000	-0.047801
I8C	.000000	.000000	.000000	0.004816
I9A	.000000	.000000	.000000	0.000647
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.003782
K1B	.000000	.000000	.000000	-0.003072
K2A	.000000	.000000	.000000	0.006748
K2B	.000000	.000000	.000000	-0.028799
K2C	.000000	.000000	.000000	0.021998
K3A	.000000	.000000	.000000	-5.21E-05
K3B	.000000	.000000	.000000	-0.000848
K7A	.000000	.000000	.000000	0.000758
K7B	.000000	.000000	.000000	-3.82E-07
K8A	.000000	.000000	.000000	-0.016281
K8B	.000000	.000000	.000000	0.021299
K8C	.000000	.000000	.000000	-0.004981
K9A	.000000	.000000	.000000	0.002663
K9B	.000000	.000000	.000000	-0.003370
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	4.20E-05
M7A	.000000	.000000	.000000	-4.01E-05
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.000491
N1B	.000000	.000000	.000000	-0.000208
N1C	.000000	.000000	.000000	0.000267
N2A	.000000	.000000	.000000	8.64E-05
N2B	.000000	.000000	.000000	-0.000113
N2C	.000000	.000000	.000000	-0.000264
N8A	.000000	.000000	.000000	0.000172
N8B	.000000	.000000	.000000	5.13E-05
N8C	.000000	.000000	.000000	-8.06E-05
N9A	.000000	.000000	.000000	-0.000217
N9B	.000000	.000000	.000000	0.000267

N9C	.000000	.000000	.000000	0.000527
P10	.000000	.000000	.000000	.000000

MODE 54 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-5.98E-05
F3	.000000	.000000	.000000	-1.88E-05
F8	.000000	.000000	.000000	0.000103
F9	.000000	.000000	.000000	0.000144
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000

L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-3.09E-05
E2B	.000000	.000000	.000000	-6.95E-05
E3A	.000000	.000000	.000000	7.85E-05
E3B	.000000	.000000	.000000	-1.60E-05
E3C	.000000	.000000	.000000	-9.89E-05
E4A	.000000	.000000	.000000	0.000119
E4B	.000000	.000000	.000000	1.30E-05
E6A	.000000	.000000	.000000	3.70E-05
E6B	.000000	.000000	.000000	8.72E-05
E7A	.000000	.000000	.000000	-9.84E-05
E7B	.000000	.000000	.000000	-4.59E-05
E7C	.000000	.000000	.000000	8.14E-05
E8A	.000000	.000000	.000000	-3.94E-05
E8B	.000000	.000000	.000000	-3.69E-05
G2A	.000000	.000000	.000000	2.92E-05
G2B	.000000	.000000	.000000	-0.000763
G2C	.000000	.000000	.000000	0.000230
G3A	.000000	.000000	.000000	0.000444
G3B	.000000	.000000	.000000	-0.000500
G3C	.000000	.000000	.000000	-0.000268
G4A	.000000	.000000	.000000	0.000333
G6A	.000000	.000000	.000000	0.000407
G7A	.000000	.000000	.000000	3.06E-05
G7B	.000000	.000000	.000000	-0.000997
G7C	.000000	.000000	.000000	0.000489
G8A	.000000	.000000	.000000	0.000299
G8B	.000000	.000000	.000000	-0.000737
G8C	.000000	.000000	.000000	-9.88E-05
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.001192
I2A	.000000	.000000	.000000	0.004918
I2B	.000000	.000000	.000000	-0.048166
I2C	.000000	.000000	.000000	0.041599

I3A	.000000	.000000	.000000	0.000756
I3B	.000000	.000000	.000000	-9.52E-06
I3C	.000000	.000000	.000000	-0.001238
I4A	.000000	.000000	.000000	-0.006318
I6A	.000000	.000000	.000000	-0.007980
I7A	.000000	.000000	.000000	-0.001261
I7B	.000000	.000000	.000000	-0.000276
I7C	.000000	.000000	.000000	0.000963
I8A	.000000	.000000	.000000	0.059242
I8B	.000000	.000000	.000000	-0.068413
I8C	.000000	.000000	.000000	0.006866
I9A	.000000	.000000	.000000	0.001065
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.005386
K1B	.000000	.000000	.000000	0.004121
K2A	.000000	.000000	.000000	-0.003582
K2B	.000000	.000000	.000000	0.015092
K2C	.000000	.000000	.000000	-0.011546
K3A	.000000	.000000	.000000	0.000636
K3B	.000000	.000000	.000000	-0.001377
K7A	.000000	.000000	.000000	-0.001358
K7B	.000000	.000000	.000000	0.000664
K8A	.000000	.000000	.000000	-0.016882
K8B	.000000	.000000	.000000	0.022168
K8C	.000000	.000000	.000000	-0.005311
K9A	.000000	.000000	.000000	0.006165
K9B	.000000	.000000	.000000	-0.007882
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-8.65E-05
M7A	.000000	.000000	.000000	-0.000120
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.000780
N1B	.000000	.000000	.000000	-0.000329
N1C	.000000	.000000	.000000	0.000424
N2A	.000000	.000000	.000000	-0.000139
N2B	.000000	.000000	.000000	-0.000152
N2C	.000000	.000000	.000000	-5.25E-05
N8A	.000000	.000000	.000000	-8.59E-05
N8B	.000000	.000000	.000000	-6.72E-05
N8C	.000000	.000000	.000000	-6.57E-06
N9A	.000000	.000000	.000000	0.000195
N9B	.000000	.000000	.000000	-0.000174
N9C	.000000	.000000	.000000	-0.000390
P10	.000000	.000000	.000000	.000000

MODE 55 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000

E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	0.000693
F3	.000000	.000000	.000000	0.000341
F8	.000000	.000000	.000000	-0.000360
F9	.000000	.000000	.000000	-0.000276
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000

N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	7.82E-05
E2B	.000000	.000000	.000000	0.000174
E3A	.000000	.000000	.000000	-0.000231
E3B	.000000	.000000	.000000	5.87E-05
E3C	.000000	.000000	.000000	0.000243
E4A	.000000	.000000	.000000	-0.000269
E4B	.000000	.000000	.000000	-3.77E-05
E6A	.000000	.000000	.000000	-7.88E-05
E6B	.000000	.000000	.000000	-0.000242
E7A	.000000	.000000	.000000	0.000211
E7B	.000000	.000000	.000000	0.000136
E7C	.000000	.000000	.000000	-0.000171
E8A	.000000	.000000	.000000	3.29E-05
E8B	.000000	.000000	.000000	8.75E-05
G2A	.000000	.000000	.000000	-0.000397
G2B	.000000	.000000	.000000	0.002091
G2C	.000000	.000000	.000000	-0.000509
G3A	.000000	.000000	.000000	-0.001352
G3B	.000000	.000000	.000000	0.001757
G3C	.000000	.000000	.000000	0.000315
G4A	.000000	.000000	.000000	-0.000836
G6A	.000000	.000000	.000000	-0.000944
G7A	.000000	.000000	.000000	-0.001496
G7B	.000000	.000000	.000000	0.004009
G7C	.000000	.000000	.000000	-0.001238
G8A	.000000	.000000	.000000	-0.001422
G8B	.000000	.000000	.000000	0.002446
G8C	.000000	.000000	.000000	0.000130
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.002117
I2A	.000000	.000000	.000000	0.000855
I2B	.000000	.000000	.000000	-0.006645
I2C	.000000	.000000	.000000	0.006473
I3A	.000000	.000000	.000000	-0.000929
I3B	.000000	.000000	.000000	0.001740
I3C	.000000	.000000	.000000	0.001465
I4A	.000000	.000000	.000000	0.035547
I6A	.000000	.000000	.000000	0.037355
I7A	.000000	.000000	.000000	0.001266
I7B	.000000	.000000	.000000	0.002253
I7C	.000000	.000000	.000000	-0.001043
I8A	.000000	.000000	.000000	0.018539
I8B	.000000	.000000	.000000	-0.020551
I8C	.000000	.000000	.000000	0.003814
I9A	.000000	.000000	.000000	-0.003731
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.004752
K1B	.000000	.000000	.000000	-0.003832
K2A	.000000	.000000	.000000	0.001082
K2B	.000000	.000000	.000000	-0.003509

K2C	.000000	.000000	.000000	0.002873
K3A	.000000	.000000	.000000	-0.001654
K3B	.000000	.000000	.000000	0.004348
K7A	.000000	.000000	.000000	0.003231
K7B	.000000	.000000	.000000	-0.001891
K8A	.000000	.000000	.000000	0.017753
K8B	.000000	.000000	.000000	-0.022718
K8C	.000000	.000000	.000000	0.007614
K9A	.000000	.000000	.000000	-0.014451
K9B	.000000	.000000	.000000	0.012299
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000428
M7A	.000000	.000000	.000000	0.000711
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	0.001402
N1B	.000000	.000000	.000000	0.000890
N1C	.000000	.000000	.000000	-0.000342
N2A	.000000	.000000	.000000	4.84E-05
N2B	.000000	.000000	.000000	-0.000134
N2C	.000000	.000000	.000000	-0.000244
N8A	.000000	.000000	.000000	-0.001040
N8B	.000000	.000000	.000000	-0.000973
N8C	.000000	.000000	.000000	-0.000255
N9A	.000000	.000000	.000000	0.001061
N9B	.000000	.000000	.000000	0.000318
N9C	.000000	.000000	.000000	-0.000505
P10	.000000	.000000	.000000	.000000

MODE 56 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	0.000176
F3	.000000	.000000	.000000	7.34E-05
F8	.000000	.000000	.000000	2.02E-05
F9	.000000	.000000	.000000	-0.000119
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000

H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	5.32E-06
E2B	.000000	.000000	.000000	-1.03E-05
E3A	.000000	.000000	.000000	-0.000184
E3B	.000000	.000000	.000000	0.000203
E3C	.000000	.000000	.000000	0.000253
E4A	.000000	.000000	.000000	-0.000301

E4B	.000000	.000000	.000000	-0.000141
E6A	.000000	.000000	.000000	0.000133
E6B	.000000	.000000	.000000	0.000309
E7A	.000000	.000000	.000000	-0.000206
E7B	.000000	.000000	.000000	-0.000279
E7C	.000000	.000000	.000000	0.000105
E8A	.000000	.000000	.000000	6.46E-05
E8B	.000000	.000000	.000000	6.31E-05
G2A	.000000	.000000	.000000	-0.000197
G2B	.000000	.000000	.000000	0.000178
G2C	.000000	.000000	.000000	7.57E-05
G3A	.000000	.000000	.000000	-0.001690
G3B	.000000	.000000	.000000	0.007054
G3C	.000000	.000000	.000000	-0.003475
G4A	.000000	.000000	.000000	-0.001312
G6A	.000000	.000000	.000000	0.001323
G7A	.000000	.000000	.000000	0.005674
G7B	.000000	.000000	.000000	-0.009635
G7C	.000000	.000000	.000000	0.001496
G8A	.000000	.000000	.000000	-0.000570
G8B	.000000	.000000	.000000	0.001577
G8C	.000000	.000000	.000000	-0.000207
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.000413
I2A	.000000	.000000	.000000	-0.000721
I2B	.000000	.000000	.000000	0.003772
I2C	.000000	.000000	.000000	-0.003583
I3A	.000000	.000000	.000000	-0.000523
I3B	.000000	.000000	.000000	0.004544
I3C	.000000	.000000	.000000	0.000103
I4A	.000000	.000000	.000000	0.072184
I6A	.000000	.000000	.000000	-0.074645
I7A	.000000	.000000	.000000	0.001034
I7B	.000000	.000000	.000000	-0.005769
I7C	.000000	.000000	.000000	-9.95E-05
I8A	.000000	.000000	.000000	0.010558
I8B	.000000	.000000	.000000	-0.010676
I8C	.000000	.000000	.000000	0.001693
I9A	.000000	.000000	.000000	-0.002213
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.002854
K1B	.000000	.000000	.000000	0.001948
K2A	.000000	.000000	.000000	-0.000454
K2B	.000000	.000000	.000000	0.001909
K2C	.000000	.000000	.000000	-0.001826
K3A	.000000	.000000	.000000	-0.003151
K3B	.000000	.000000	.000000	0.010567
K7A	.000000	.000000	.000000	-0.007694
K7B	.000000	.000000	.000000	0.001736
K8A	.000000	.000000	.000000	0.003343
K8B	.000000	.000000	.000000	-0.003147
K8C	.000000	.000000	.000000	0.000466
K9A	.000000	.000000	.000000	-0.003664
K9B	.000000	.000000	.000000	0.006393
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000479
M7A	.000000	.000000	.000000	-0.000328
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	0.000228
N1B	.000000	.000000	.000000	-0.000152

N1C	.000000	.000000	.000000	-0.000483
N2A	.000000	.000000	.000000	5.38E-05
N2B	.000000	.000000	.000000	0.000473
N2C	.000000	.000000	.000000	0.000577
N8A	.000000	.000000	.000000	-0.000121
N8B	.000000	.000000	.000000	0.000156
N8C	.000000	.000000	.000000	0.000283
N9A	.000000	.000000	.000000	-0.000390
N9B	.000000	.000000	.000000	0.000286
N9C	.000000	.000000	.000000	0.000689
P10	.000000	.000000	.000000	.000000

MODE 57 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-0.000602
F3	.000000	.000000	.000000	-0.000230
F8	.000000	.000000	.000000	0.000453
F9	.000000	.000000	.000000	0.000270
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000

K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-9.93E-05
E2B	.000000	.000000	.000000	-0.000114
E3A	.000000	.000000	.000000	4.62E-05
E3B	.000000	.000000	.000000	0.000149
E3C	.000000	.000000	.000000	-2.26E-05
E4A	.000000	.000000	.000000	-8.88E-05
E4B	.000000	.000000	.000000	1.07E-05
E6A	.000000	.000000	.000000	9.67E-06
E6B	.000000	.000000	.000000	-1.95E-05
E7A	.000000	.000000	.000000	-4.85E-06
E7B	.000000	.000000	.000000	2.27E-05
E7C	.000000	.000000	.000000	1.90E-05
E8A	.000000	.000000	.000000	-5.47E-06
E8B	.000000	.000000	.000000	-7.04E-05
G2A	.000000	.000000	.000000	0.000423
G2B	.000000	.000000	.000000	-0.002796
G2C	.000000	.000000	.000000	0.001227
G3A	.000000	.000000	.000000	-0.000429
G3B	.000000	.000000	.000000	0.006116
G3C	.000000	.000000	.000000	-0.004693
G4A	.000000	.000000	.000000	-0.000218
G6A	.000000	.000000	.000000	-2.31E-05
G7A	.000000	.000000	.000000	-0.001095
G7B	.000000	.000000	.000000	0.001380

G7C	.000000	.000000	.000000	-6.96E-05
G8A	.000000	.000000	.000000	0.001226
G8B	.000000	.000000	.000000	-0.001971
G8C	.000000	.000000	.000000	-0.000159
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.002561
I2A	.000000	.000000	.000000	-0.000970
I2B	.000000	.000000	.000000	0.005386
I2C	.000000	.000000	.000000	-0.005669
I3A	.000000	.000000	.000000	0.000514
I3B	.000000	.000000	.000000	0.002371
I3C	.000000	.000000	.000000	-0.001403
I4A	.000000	.000000	.000000	0.170332
I6A	.000000	.000000	.000000	0.032476
I7A	.000000	.000000	.000000	-0.001464
I7B	.000000	.000000	.000000	0.001670
I7C	.000000	.000000	.000000	0.000636
I8A	.000000	.000000	.000000	-0.007753
I8B	.000000	.000000	.000000	0.007846
I8C	.000000	.000000	.000000	-0.001805
I9A	.000000	.000000	.000000	0.004018
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.001606
K1B	.000000	.000000	.000000	0.001702
K2A	.000000	.000000	.000000	-0.000833
K2B	.000000	.000000	.000000	0.002721
K2C	.000000	.000000	.000000	-0.002600
K3A	.000000	.000000	.000000	0.001238
K3B	.000000	.000000	.000000	-0.002240
K7A	.000000	.000000	.000000	-0.002133
K7B	.000000	.000000	.000000	0.001301
K8A	.000000	.000000	.000000	-0.003278
K8B	.000000	.000000	.000000	0.003480
K8C	.000000	.000000	.000000	-0.001136
K9A	.000000	.000000	.000000	0.004135
K9B	.000000	.000000	.000000	-0.005185
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.000279
M7A	.000000	.000000	.000000	-0.000252
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.001165
N1B	.000000	.000000	.000000	-0.000533
N1C	.000000	.000000	.000000	0.000601
N2A	.000000	.000000	.000000	-0.000187
N2B	.000000	.000000	.000000	-0.000252
N2C	.000000	.000000	.000000	-0.000115
N8A	.000000	.000000	.000000	-0.000212
N8B	.000000	.000000	.000000	-0.000171
N8C	.000000	.000000	.000000	-1.52E-05
N9A	.000000	.000000	.000000	0.000317
N9B	.000000	.000000	.000000	-0.000245
N9C	.000000	.000000	.000000	-0.000567
P10	.000000	.000000	.000000	.000000

MODE 58 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000

D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-0.000670
F3	.000000	.000000	.000000	-0.000222
F8	.000000	.000000	.000000	0.000481
F9	.000000	.000000	.000000	0.000230
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000

M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-0.000118
E2B	.000000	.000000	.000000	-0.000148
E3A	.000000	.000000	.000000	0.000115
E3B	.000000	.000000	.000000	0.000115
E3C	.000000	.000000	.000000	-7.70E-05
E4A	.000000	.000000	.000000	-1.33E-05
E4B	.000000	.000000	.000000	1.31E-07
E6A	.000000	.000000	.000000	-4.35E-05
E6B	.000000	.000000	.000000	7.39E-06
E7A	.000000	.000000	.000000	-6.34E-06
E7B	.000000	.000000	.000000	3.83E-05
E7C	.000000	.000000	.000000	1.41E-05
E8A	.000000	.000000	.000000	-1.29E-05
E8B	.000000	.000000	.000000	-5.83E-05
G2A	.000000	.000000	.000000	0.000602
G2B	.000000	.000000	.000000	-0.003510
G2C	.000000	.000000	.000000	0.001458
G3A	.000000	.000000	.000000	-5.86E-05
G3B	.000000	.000000	.000000	0.005648
G3C	.000000	.000000	.000000	-0.004783
G4A	.000000	.000000	.000000	-3.47E-05
G6A	.000000	.000000	.000000	-0.000128
G7A	.000000	.000000	.000000	-0.001401
G7B	.000000	.000000	.000000	0.001799
G7C	.000000	.000000	.000000	-0.000126
G8A	.000000	.000000	.000000	0.001026
G8B	.000000	.000000	.000000	-0.001726
G8C	.000000	.000000	.000000	-2.06E-06
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.003307
I2A	.000000	.000000	.000000	-0.001084
I2B	.000000	.000000	.000000	0.006298
I2C	.000000	.000000	.000000	-0.006794
I3A	.000000	.000000	.000000	0.000865
I3B	.000000	.000000	.000000	0.002068
I3C	.000000	.000000	.000000	-0.001963
I4A	.000000	.000000	.000000	-0.036612
I6A	.000000	.000000	.000000	-0.175756
I7A	.000000	.000000	.000000	-0.001365
I7B	.000000	.000000	.000000	0.001653
I7C	.000000	.000000	.000000	0.000569
I8A	.000000	.000000	.000000	-0.005170

I8B	.000000	.000000	.000000	0.004898
I8C	.000000	.000000	.000000	-0.000866
I9A	.000000	.000000	.000000	0.003354
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.000619
K1B	.000000	.000000	.000000	0.001279
K2A	.000000	.000000	.000000	-0.001021
K2B	.000000	.000000	.000000	0.003363
K2C	.000000	.000000	.000000	-0.003299
K3A	.000000	.000000	.000000	0.000341
K3B	.000000	.000000	.000000	0.000993
K7A	.000000	.000000	.000000	0.002069
K7B	.000000	.000000	.000000	-0.000368
K8A	.000000	.000000	.000000	0.000822
K8B	.000000	.000000	.000000	-0.001716
K8C	.000000	.000000	.000000	0.001156
K9A	.000000	.000000	.000000	-0.000723
K9B	.000000	.000000	.000000	-0.001776
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.000160
M7A	.000000	.000000	.000000	0.000114
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.000738
N1B	.000000	.000000	.000000	-0.000423
N1C	.000000	.000000	.000000	0.000268
N2A	.000000	.000000	.000000	-0.000163
N2B	.000000	.000000	.000000	-1.82E-05
N2C	.000000	.000000	.000000	0.000164
N8A	.000000	.000000	.000000	-0.000326
N8B	.000000	.000000	.000000	-0.000367
N8C	.000000	.000000	.000000	-0.000136
N9A	.000000	.000000	.000000	0.000617
N9B	.000000	.000000	.000000	-0.000313
N9C	.000000	.000000	.000000	-0.000913
P10	.000000	.000000	.000000	.000000

MODE 59 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	0.000854
F3	.000000	.000000	.000000	0.000273
F8	.000000	.000000	.000000	-0.000688

F9	.000000	.000000	.000000	-0.000244
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000

P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	0.000178
E2B	.000000	.000000	.000000	0.000238
E3A	.000000	.000000	.000000	-8.90E-05
E3B	.000000	.000000	.000000	-0.000284
E3C	.000000	.000000	.000000	2.82E-05
E4A	.000000	.000000	.000000	0.000130
E4B	.000000	.000000	.000000	7.76E-05
E6A	.000000	.000000	.000000	-6.79E-05
E6B	.000000	.000000	.000000	-0.000112
E7A	.000000	.000000	.000000	4.53E-05
E7B	.000000	.000000	.000000	0.000157
E7C	.000000	.000000	.000000	-4.78E-06
E8A	.000000	.000000	.000000	-0.000118
E8B	.000000	.000000	.000000	1.95E-06
G2A	.000000	.000000	.000000	-0.000954
G2B	.000000	.000000	.000000	0.005619
G2C	.000000	.000000	.000000	-0.002510
G3A	.000000	.000000	.000000	0.001520
G3B	.000000	.000000	.000000	-0.016194
G3C	.000000	.000000	.000000	0.012625
G4A	.000000	.000000	.000000	0.000611
G6A	.000000	.000000	.000000	-0.000531
G7A	.000000	.000000	.000000	-0.007050
G7B	.000000	.000000	.000000	0.009479
G7C	.000000	.000000	.000000	-0.001181
G8A	.000000	.000000	.000000	-0.000633
G8B	.000000	.000000	.000000	1.99E-05
G8C	.000000	.000000	.000000	0.000717
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.004575
I2A	.000000	.000000	.000000	0.001741
I2B	.000000	.000000	.000000	-0.009903
I2C	.000000	.000000	.000000	0.010914
I3A	.000000	.000000	.000000	-0.001206
I3B	.000000	.000000	.000000	-0.005772
I3C	.000000	.000000	.000000	0.003725
I4A	.000000	.000000	.000000	0.091907
I6A	.000000	.000000	.000000	-0.084019
I7A	.000000	.000000	.000000	-0.000382
I7B	.000000	.000000	.000000	0.002096
I7C	.000000	.000000	.000000	-0.000155
I8A	.000000	.000000	.000000	0.000988
I8B	.000000	.000000	.000000	-0.001439
I8C	.000000	.000000	.000000	0.000748
I9A	.000000	.000000	.000000	-0.003133
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.003414
K1B	.000000	.000000	.000000	-0.003486
K2A	.000000	.000000	.000000	0.001724
K2B	.000000	.000000	.000000	-0.006089
K2C	.000000	.000000	.000000	0.006274
K3A	.000000	.000000	.000000	0.004670
K3B	.000000	.000000	.000000	-0.018167
K7A	.000000	.000000	.000000	0.016569
K7B	.000000	.000000	.000000	-0.005165
K8A	.000000	.000000	.000000	-0.001545
K8B	.000000	.000000	.000000	0.001397
K8C	.000000	.000000	.000000	-0.000336
K9A	.000000	.000000	.000000	-7.73E-05

K9B	.000000	.000000	.000000	0.000579
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.000113
M7A	.000000	.000000	.000000	0.000382
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	0.001447
N1B	.000000	.000000	.000000	0.000956
N1C	.000000	.000000	.000000	-0.000343
N2A	.000000	.000000	.000000	0.000348
N2B	.000000	.000000	.000000	-0.000183
N2C	.000000	.000000	.000000	-0.000642
N8A	.000000	.000000	.000000	0.000673
N8B	.000000	.000000	.000000	0.000292
N8C	.000000	.000000	.000000	-0.000253
N9A	.000000	.000000	.000000	-0.000356
N9B	.000000	.000000	.000000	0.000162
N9C	.000000	.000000	.000000	0.000506
P10	.000000	.000000	.000000	.000000

MODE 60 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-0.000222
F3	.000000	.000000	.000000	-8.12E-05
F8	.000000	.000000	.000000	9.80E-05
F9	.000000	.000000	.000000	-8.37E-07
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000

I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-1.44E-05
E2B	.000000	.000000	.000000	3.67E-06
E3A	.000000	.000000	.000000	-9.11E-06
E3B	.000000	.000000	.000000	2.26E-05
E3C	.000000	.000000	.000000	-7.56E-06
E4A	.000000	.000000	.000000	-4.12E-06
E4B	.000000	.000000	.000000	-6.25E-06
E6A	.000000	.000000	.000000	-1.16E-05
E6B	.000000	.000000	.000000	-1.43E-05
E7A	.000000	.000000	.000000	3.79E-05
E7B	.000000	.000000	.000000	-1.85E-05
E7C	.000000	.000000	.000000	-4.79E-05
E8A	.000000	.000000	.000000	6.24E-05
E8B	.000000	.000000	.000000	1.86E-05
G2A	.000000	.000000	.000000	-1.62E-05

G2B	.000000	.000000	.000000	-0.000454
G2C	.000000	.000000	.000000	0.000330
G3A	.000000	.000000	.000000	-7.46E-05
G3B	.000000	.000000	.000000	0.000458
G3C	.000000	.000000	.000000	-0.000347
G4A	.000000	.000000	.000000	-1.86E-05
G6A	.000000	.000000	.000000	-8.07E-05
G7A	.000000	.000000	.000000	0.002135
G7B	.000000	.000000	.000000	-0.002335
G7C	.000000	.000000	.000000	6.03E-05
G8A	.000000	.000000	.000000	-5.20E-05
G8B	.000000	.000000	.000000	0.000571
G8C	.000000	.000000	.000000	-0.000392
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.000696
I2A	.000000	.000000	.000000	-0.000276
I2B	.000000	.000000	.000000	-0.000249
I2C	.000000	.000000	.000000	0.000715
I3A	.000000	.000000	.000000	-0.000302
I3B	.000000	.000000	.000000	-0.000808
I3C	.000000	.000000	.000000	0.000812
I4A	.000000	.000000	.000000	-0.001507
I6A	.000000	.000000	.000000	-0.006347
I7A	.000000	.000000	.000000	0.001388
I7B	.000000	.000000	.000000	-0.001136
I7C	.000000	.000000	.000000	-0.000567
I8A	.000000	.000000	.000000	0.001713
I8B	.000000	.000000	.000000	-0.000976
I8C	.000000	.000000	.000000	-0.000330
I9A	.000000	.000000	.000000	0.000635
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.000589
K1B	.000000	.000000	.000000	0.000672
K2A	.000000	.000000	.000000	1.39E-05
K2B	.000000	.000000	.000000	-0.001340
K2C	.000000	.000000	.000000	0.001952
K3A	.000000	.000000	.000000	0.010417
K3B	.000000	.000000	.000000	-0.032640
K7A	.000000	.000000	.000000	-0.039067
K7B	.000000	.000000	.000000	0.012332
K8A	.000000	.000000	.000000	0.002884
K8B	.000000	.000000	.000000	-0.002131
K8C	.000000	.000000	.000000	0.000218
K9A	.000000	.000000	.000000	0.000708
K9B	.000000	.000000	.000000	-0.001097
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	7.04E-05
M7A	.000000	.000000	.000000	0.000154
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	1.23E-05
N1B	.000000	.000000	.000000	-6.72E-05
N1C	.000000	.000000	.000000	-0.000114
N2A	.000000	.000000	.000000	0.000384
N2B	.000000	.000000	.000000	5.54E-05
N2C	.000000	.000000	.000000	-0.000372
N8A	.000000	.000000	.000000	-0.000561
N8B	.000000	.000000	.000000	1.15E-07
N8C	.000000	.000000	.000000	0.000485
N9A	.000000	.000000	.000000	-8.79E-05
N9B	.000000	.000000	.000000	-4.05E-05

N9C	.000000	.000000	.000000	2.63E-05
P10	.000000	.000000	.000000	.000000

MODE 61 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-0.000492
F3	.000000	.000000	.000000	-0.000180
F8	.000000	.000000	.000000	0.000374
F9	.000000	.000000	.000000	0.000170
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000

L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-6.46E-05
E2B	.000000	.000000	.000000	-5.55E-05
E3A	.000000	.000000	.000000	-4.85E-05
E3B	.000000	.000000	.000000	0.000184
E3C	.000000	.000000	.000000	6.62E-05
E4A	.000000	.000000	.000000	-0.000147
E4B	.000000	.000000	.000000	-7.06E-05
E6A	.000000	.000000	.000000	5.55E-05
E6B	.000000	.000000	.000000	0.000131
E7A	.000000	.000000	.000000	-6.52E-05
E7B	.000000	.000000	.000000	-0.000147
E7C	.000000	.000000	.000000	4.20E-05
E8A	.000000	.000000	.000000	5.84E-05
E8B	.000000	.000000	.000000	1.38E-05
G2A	.000000	.000000	.000000	0.000261
G2B	.000000	.000000	.000000	-0.002222
G2C	.000000	.000000	.000000	0.001218
G3A	.000000	.000000	.000000	-0.003209
G3B	.000000	.000000	.000000	0.021079
G3C	.000000	.000000	.000000	-0.016472
G4A	.000000	.000000	.000000	-0.000634
G6A	.000000	.000000	.000000	0.000533
G7A	.000000	.000000	.000000	0.014016
G7B	.000000	.000000	.000000	-0.017934
G7C	.000000	.000000	.000000	0.002726
G8A	.000000	.000000	.000000	-2.56E-05
G8B	.000000	.000000	.000000	0.000496
G8C	.000000	.000000	.000000	-0.000350
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.001825
I2A	.000000	.000000	.000000	-0.000729
I2B	.000000	.000000	.000000	0.001746
I2C	.000000	.000000	.000000	-0.001526

I3A	.000000	.000000	.000000	-0.000276
I3B	.000000	.000000	.000000	0.002390
I3C	.000000	.000000	.000000	-0.000479
I4A	.000000	.000000	.000000	-0.029332
I6A	.000000	.000000	.000000	0.025489
I7A	.000000	.000000	.000000	-0.000320
I7B	.000000	.000000	.000000	-0.001253
I7C	.000000	.000000	.000000	0.000478
I8A	.000000	.000000	.000000	-0.000849
I8B	.000000	.000000	.000000	0.000577
I8C	.000000	.000000	.000000	6.96E-05
I9A	.000000	.000000	.000000	0.001044
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.001707
K1B	.000000	.000000	.000000	0.001442
K2A	.000000	.000000	.000000	-0.000194
K2B	.000000	.000000	.000000	-0.000587
K2C	.000000	.000000	.000000	0.001137
K3A	.000000	.000000	.000000	0.010790
K3B	.000000	.000000	.000000	-0.032895
K7A	.000000	.000000	.000000	0.027445
K7B	.000000	.000000	.000000	-0.008909
K8A	.000000	.000000	.000000	-0.001045
K8B	.000000	.000000	.000000	0.000455
K8C	.000000	.000000	.000000	0.000228
K9A	.000000	.000000	.000000	-0.001503
K9B	.000000	.000000	.000000	0.001817
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000347
M7A	.000000	.000000	.000000	-0.000312
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.000807
N1B	.000000	.000000	.000000	-0.000570
N1C	.000000	.000000	.000000	0.000152
N2A	.000000	.000000	.000000	0.000340
N2B	.000000	.000000	.000000	4.75E-05
N2C	.000000	.000000	.000000	-0.000339
N8A	.000000	.000000	.000000	0.000154
N8B	.000000	.000000	.000000	-0.000101
N8C	.000000	.000000	.000000	-0.000242
N9A	.000000	.000000	.000000	0.000153
N9B	.000000	.000000	.000000	3.42E-05
N9C	.000000	.000000	.000000	-8.96E-05
P10	.000000	.000000	.000000	.000000

MODE 62 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000

E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	0.000844
F3	.000000	.000000	.000000	0.000219
F8	.000000	.000000	.000000	-0.000580
F9	.000000	.000000	.000000	-6.16E-05
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000

N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	7.16E-05
E2B	.000000	.000000	.000000	4.21E-05
E3A	.000000	.000000	.000000	-0.000121
E3B	.000000	.000000	.000000	5.25E-05
E3C	.000000	.000000	.000000	0.000124
E4A	.000000	.000000	.000000	-0.000116
E4B	.000000	.000000	.000000	-5.87E-05
E6A	.000000	.000000	.000000	-1.69E-05
E6B	.000000	.000000	.000000	-0.000191
E7A	.000000	.000000	.000000	-8.06E-05
E7B	.000000	.000000	.000000	0.000385
E7C	.000000	.000000	.000000	0.000134
E8A	.000000	.000000	.000000	-0.000379
E8B	.000000	.000000	.000000	-0.000127
G2A	.000000	.000000	.000000	-0.000369
G2B	.000000	.000000	.000000	0.002658
G2C	.000000	.000000	.000000	-0.001457
G3A	.000000	.000000	.000000	-0.002458
G3B	.000000	.000000	.000000	0.012343
G3C	.000000	.000000	.000000	-0.009293
G4A	.000000	.000000	.000000	-0.000516
G6A	.000000	.000000	.000000	-0.000556
G7A	.000000	.000000	.000000	-0.070866
G7B	.000000	.000000	.000000	0.086003
G7C	.000000	.000000	.000000	-0.011938
G8A	.000000	.000000	.000000	0.001422
G8B	.000000	.000000	.000000	-0.005034
G8C	.000000	.000000	.000000	0.002222
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.003756
I2A	.000000	.000000	.000000	0.000388
I2B	.000000	.000000	.000000	-0.001863
I2C	.000000	.000000	.000000	0.002185
I3A	.000000	.000000	.000000	-0.000652
I3B	.000000	.000000	.000000	0.000850
I3C	.000000	.000000	.000000	0.000745
I4A	.000000	.000000	.000000	-0.021039
I6A	.000000	.000000	.000000	-0.004864
I7A	.000000	.000000	.000000	-0.003351
I7B	.000000	.000000	.000000	0.003855
I7C	.000000	.000000	.000000	0.000986
I8A	.000000	.000000	.000000	-0.003847
I8B	.000000	.000000	.000000	0.002429
I8C	.000000	.000000	.000000	0.000264
I9A	.000000	.000000	.000000	-0.000840
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.001504
K1B	.000000	.000000	.000000	-2.14E-05
K2A	.000000	.000000	.000000	0.000607
K2B	.000000	.000000	.000000	-0.001458

K2C	.000000	.000000	.000000	0.001409
K3A	.000000	.000000	.000000	0.000958
K3B	.000000	.000000	.000000	-0.003554
K7A	.000000	.000000	.000000	-0.001835
K7B	.000000	.000000	.000000	0.001476
K8A	.000000	.000000	.000000	-0.002259
K8B	.000000	.000000	.000000	0.001613
K8C	.000000	.000000	.000000	-0.000149
K9A	.000000	.000000	.000000	-6.65E-05
K9B	.000000	.000000	.000000	-7.66E-05
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000199
M7A	.000000	.000000	.000000	-0.000431
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	0.000413
N1B	.000000	.000000	.000000	0.000391
N1C	.000000	.000000	.000000	4.90E-05
N2A	.000000	.000000	.000000	-2.87E-05
N2B	.000000	.000000	.000000	-0.000203
N2C	.000000	.000000	.000000	-0.000222
N8A	.000000	.000000	.000000	0.000308
N8B	.000000	.000000	.000000	-0.000104
N8C	.000000	.000000	.000000	-0.000380
N9A	.000000	.000000	.000000	-0.000118
N9B	.000000	.000000	.000000	0.000664
N9C	.000000	.000000	.000000	0.000881
P10	.000000	.000000	.000000	.000000

MODE 63 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	0.000489
F3	.000000	.000000	.000000	0.000190
F8	.000000	.000000	.000000	-0.000174
F9	.000000	.000000	.000000	-0.000164
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000

H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-2.58E-05
E2B	.000000	.000000	.000000	-0.000108
E3A	.000000	.000000	.000000	-1.30E-05
E3B	.000000	.000000	.000000	0.000191
E3C	.000000	.000000	.000000	2.24E-05
E4A	.000000	.000000	.000000	-0.000141

E4B	.000000	.000000	.000000	-1.27E-05
E6A	.000000	.000000	.000000	-1.66E-05
E6B	.000000	.000000	.000000	-2.78E-05
E7A	.000000	.000000	.000000	5.02E-05
E7B	.000000	.000000	.000000	-1.98E-05
E7C	.000000	.000000	.000000	-3.54E-05
E8A	.000000	.000000	.000000	3.53E-05
E8B	.000000	.000000	.000000	3.09E-05
G2A	.000000	.000000	.000000	0.000709
G2B	.000000	.000000	.000000	-0.001077
G2C	.000000	.000000	.000000	0.000118
G3A	.000000	.000000	.000000	-0.015145
G3B	.000000	.000000	.000000	0.099205
G3C	.000000	.000000	.000000	-0.081966
G4A	.000000	.000000	.000000	-0.000425
G6A	.000000	.000000	.000000	-0.000127
G7A	.000000	.000000	.000000	0.002260
G7B	.000000	.000000	.000000	-0.002408
G7C	.000000	.000000	.000000	0.000140
G8A	.000000	.000000	.000000	-0.000697
G8B	.000000	.000000	.000000	0.001316
G8C	.000000	.000000	.000000	-0.000250
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.001521
I2A	.000000	.000000	.000000	0.000489
I2B	.000000	.000000	.000000	-0.000463
I2C	.000000	.000000	.000000	3.83E-05
I3A	.000000	.000000	.000000	0.000315
I3B	.000000	.000000	.000000	-0.000217
I3C	.000000	.000000	.000000	-0.000443
I4A	.000000	.000000	.000000	0.007347
I6A	.000000	.000000	.000000	-0.005467
I7A	.000000	.000000	.000000	0.001015
I7B	.000000	.000000	.000000	-0.000582
I7C	.000000	.000000	.000000	-0.000439
I8A	.000000	.000000	.000000	0.001841
I8B	.000000	.000000	.000000	-0.001487
I8C	.000000	.000000	.000000	0.000301
I9A	.000000	.000000	.000000	-0.001523
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.000827
K1B	.000000	.000000	.000000	-0.000784
K2A	.000000	.000000	.000000	0.000183
K2B	.000000	.000000	.000000	4.68E-06
K2C	.000000	.000000	.000000	-0.000230
K3A	.000000	.000000	.000000	-0.000848
K3B	.000000	.000000	.000000	0.002892
K7A	.000000	.000000	.000000	-0.001906
K7B	.000000	.000000	.000000	0.000367
K8A	.000000	.000000	.000000	0.000855
K8B	.000000	.000000	.000000	-0.000629
K8C	.000000	.000000	.000000	1.92E-05
K9A	.000000	.000000	.000000	4.40E-05
K9B	.000000	.000000	.000000	0.000186
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.000226
M7A	.000000	.000000	.000000	0.000228
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	0.000686
N1B	.000000	.000000	.000000	0.000476

N1C	.000000	.000000	.000000	-0.000151
N2A	.000000	.000000	.000000	-0.000154
N2B	.000000	.000000	.000000	-3.33E-05
N2C	.000000	.000000	.000000	0.000130
N8A	.000000	.000000	.000000	-1.38E-05
N8B	.000000	.000000	.000000	6.24E-05
N8C	.000000	.000000	.000000	8.03E-05
N9A	.000000	.000000	.000000	3.66E-06
N9B	.000000	.000000	.000000	-0.000191
N9C	.000000	.000000	.000000	-0.000222
P10	.000000	.000000	.000000	.000000

MODE 64 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	-0.001599
F3	.000000	.000000	.000000	-0.000349
F8	.000000	.000000	.000000	0.001042
F9	.000000	.000000	.000000	0.000294
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000

K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-0.000163
E2B	.000000	.000000	.000000	-0.000123
E3A	.000000	.000000	.000000	0.000176
E3B	.000000	.000000	.000000	9.41E-06
E3C	.000000	.000000	.000000	-0.000153
E4A	.000000	.000000	.000000	0.000102
E4B	.000000	.000000	.000000	5.25E-05
E6A	.000000	.000000	.000000	-3.62E-06
E6B	.000000	.000000	.000000	1.67E-05
E7A	.000000	.000000	.000000	0.000160
E7B	.000000	.000000	.000000	-0.000239
E7C	.000000	.000000	.000000	-0.000178
E8A	.000000	.000000	.000000	0.000322
E8B	.000000	.000000	.000000	0.000107
G2A	.000000	.000000	.000000	0.001096
G2B	.000000	.000000	.000000	-0.007202
G2C	.000000	.000000	.000000	0.004184
G3A	.000000	.000000	.000000	0.001680
G3B	.000000	.000000	.000000	-0.004881
G3C	.000000	.000000	.000000	0.003122
G4A	.000000	.000000	.000000	0.000444
G6A	.000000	.000000	.000000	2.60E-05
G7A	.000000	.000000	.000000	-0.045575
G7B	.000000	.000000	.000000	0.054797

G7C	.000000	.000000	.000000	-0.010005
G8A	.000000	.000000	.000000	-0.001578
G8B	.000000	.000000	.000000	0.004833
G8C	.000000	.000000	.000000	-0.002112
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.007700
I2A	.000000	.000000	.000000	-0.001155
I2B	.000000	.000000	.000000	0.004253
I2C	.000000	.000000	.000000	-0.004972
I3A	.000000	.000000	.000000	0.001103
I3B	.000000	.000000	.000000	0.001205
I3C	.000000	.000000	.000000	-0.002567
I4A	.000000	.000000	.000000	0.014419
I6A	.000000	.000000	.000000	0.015553
I7A	.000000	.000000	.000000	0.005211
I7B	.000000	.000000	.000000	-0.007323
I7C	.000000	.000000	.000000	-0.000816
I8A	.000000	.000000	.000000	0.005109
I8B	.000000	.000000	.000000	-0.003705
I8C	.000000	.000000	.000000	0.000441
I9A	.000000	.000000	.000000	-0.000469
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.001028
K1B	.000000	.000000	.000000	0.001506
K2A	.000000	.000000	.000000	-0.001391
K2B	.000000	.000000	.000000	0.002870
K2C	.000000	.000000	.000000	-0.002750
K3A	.000000	.000000	.000000	0.001318
K3B	.000000	.000000	.000000	-0.002161
K7A	.000000	.000000	.000000	0.004885
K7B	.000000	.000000	.000000	-0.002846
K8A	.000000	.000000	.000000	0.003319
K8B	.000000	.000000	.000000	-0.002603
K8C	.000000	.000000	.000000	0.000590
K9A	.000000	.000000	.000000	-0.002171
K9B	.000000	.000000	.000000	0.003204
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-8.33E-05
M7A	.000000	.000000	.000000	0.000341
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.001175
N1B	.000000	.000000	.000000	-0.001036
N1C	.000000	.000000	.000000	-1.54E-05
N2A	.000000	.000000	.000000	0.000135
N2B	.000000	.000000	.000000	0.000420
N2C	.000000	.000000	.000000	0.000357
N8A	.000000	.000000	.000000	-0.000320
N8B	.000000	.000000	.000000	4.71E-05
N8C	.000000	.000000	.000000	0.000329
N9A	.000000	.000000	.000000	0.000294
N9B	.000000	.000000	.000000	-0.000920
N9C	.000000	.000000	.000000	-0.001319
P10	.000000	.000000	.000000	.000000

MODE 65 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000

D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	0.001030
F3	.000000	.000000	.000000	0.000478
F8	.000000	.000000	.000000	-0.000711
F9	.000000	.000000	.000000	-0.000573
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000

M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-0.000196
E2B	.000000	.000000	.000000	-0.000205
E3A	.000000	.000000	.000000	0.000125
E3B	.000000	.000000	.000000	0.000260
E3C	.000000	.000000	.000000	-0.000194
E4A	.000000	.000000	.000000	-1.17E-05
E4B	.000000	.000000	.000000	5.39E-05
E6A	.000000	.000000	.000000	4.71E-05
E6B	.000000	.000000	.000000	5.86E-05
E7A	.000000	.000000	.000000	-0.000120
E7B	.000000	.000000	.000000	5.65E-05
E7C	.000000	.000000	.000000	0.000104
E8A	.000000	.000000	.000000	-0.000153
E8B	.000000	.000000	.000000	2.01E-05
G2A	.000000	.000000	.000000	0.003810
G2B	.000000	.000000	.000000	-0.015441
G2C	.000000	.000000	.000000	0.009366
G3A	.000000	.000000	.000000	0.002460
G3B	.000000	.000000	.000000	-0.007424
G3C	.000000	.000000	.000000	0.005859
G4A	.000000	.000000	.000000	0.000152
G6A	.000000	.000000	.000000	0.000290
G7A	.000000	.000000	.000000	0.000716
G7B	.000000	.000000	.000000	-0.001548
G7C	.000000	.000000	.000000	0.000927
G8A	.000000	.000000	.000000	-0.002514
G8B	.000000	.000000	.000000	0.002498
G8C	.000000	.000000	.000000	0.000507
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.003377
I2A	.000000	.000000	.000000	-0.002640
I2B	.000000	.000000	.000000	0.008312
I2C	.000000	.000000	.000000	-0.010450
I3A	.000000	.000000	.000000	0.001579
I3B	.000000	.000000	.000000	0.017743
I3C	.000000	.000000	.000000	-0.015822
I4A	.000000	.000000	.000000	-0.000683
I6A	.000000	.000000	.000000	0.004903
I7A	.000000	.000000	.000000	0.004189
I7B	.000000	.000000	.000000	-0.005705
I7C	.000000	.000000	.000000	-3.73E-05
I8A	.000000	.000000	.000000	0.004122

I8B	.000000	.000000	.000000	-0.004289
I8C	.000000	.000000	.000000	0.002273
I9A	.000000	.000000	.000000	-0.005816
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.010174
K1B	.000000	.000000	.000000	0.011938
K2A	.000000	.000000	.000000	-0.004543
K2B	.000000	.000000	.000000	0.009125
K2C	.000000	.000000	.000000	-0.009788
K3A	.000000	.000000	.000000	0.004915
K3B	.000000	.000000	.000000	-0.006189
K7A	.000000	.000000	.000000	0.001971
K7B	.000000	.000000	.000000	-0.001329
K8A	.000000	.000000	.000000	0.003370
K8B	.000000	.000000	.000000	-0.003803
K8C	.000000	.000000	.000000	0.002393
K9A	.000000	.000000	.000000	-0.005522
K9B	.000000	.000000	.000000	0.003484
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.000392
M7A	.000000	.000000	.000000	-0.000195
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	0.002423
N1B	.000000	.000000	.000000	0.001037
N1C	.000000	.000000	.000000	-0.001442
N2A	.000000	.000000	.000000	-7.48E-05
N2B	.000000	.000000	.000000	0.000987
N2C	.000000	.000000	.000000	0.001232
N8A	.000000	.000000	.000000	-7.99E-05
N8B	.000000	.000000	.000000	-0.000367
N8C	.000000	.000000	.000000	-0.000303
N9A	.000000	.000000	.000000	0.000527
N9B	.000000	.000000	.000000	-0.000175
N9C	.000000	.000000	.000000	-0.000661
P10	.000000	.000000	.000000	.000000

MODE 66 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	0.002318
F3	.000000	.000000	.000000	0.001530
F8	.000000	.000000	.000000	0.001273

F9	.000000	.000000	.000000	0.002551
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000

P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-0.002201
E2B	.000000	.000000	.000000	-0.000730
E3A	.000000	.000000	.000000	7.84E-05
E3B	.000000	.000000	.000000	0.002409
E3C	.000000	.000000	.000000	-0.002131
E4A	.000000	.000000	.000000	0.000613
E4B	.000000	.000000	.000000	0.000245
E6A	.000000	.000000	.000000	0.000244
E6B	.000000	.000000	.000000	0.000631
E7A	.000000	.000000	.000000	-0.002263
E7B	.000000	.000000	.000000	0.002641
E7C	.000000	.000000	.000000	6.71E-05
E8A	.000000	.000000	.000000	-0.000835
E8B	.000000	.000000	.000000	-0.002236
G2A	.000000	.000000	.000000	0.008704
G2B	.000000	.000000	.000000	-0.023510
G2C	.000000	.000000	.000000	0.013946
G3A	.000000	.000000	.000000	0.007466
G3B	.000000	.000000	.000000	-0.004679
G3C	.000000	.000000	.000000	-0.001212
G4A	.000000	.000000	.000000	0.002316
G6A	.000000	.000000	.000000	0.002358
G7A	.000000	.000000	.000000	-0.001408
G7B	.000000	.000000	.000000	-0.004555
G7C	.000000	.000000	.000000	0.007926
G8A	.000000	.000000	.000000	0.024150
G8B	.000000	.000000	.000000	-0.038728
G8C	.000000	.000000	.000000	0.013764
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.001614
I2A	.000000	.000000	.000000	0.005129
I2B	.000000	.000000	.000000	-0.002880
I2C	.000000	.000000	.000000	-0.007087
I3A	.000000	.000000	.000000	0.009308
I3B	.000000	.000000	.000000	-0.006440
I3C	.000000	.000000	.000000	-0.002617
I4A	.000000	.000000	.000000	0.014171
I6A	.000000	.000000	.000000	0.015927
I7A	.000000	.000000	.000000	-0.018360
I7B	.000000	.000000	.000000	0.011622
I7C	.000000	.000000	.000000	0.008717
I8A	.000000	.000000	.000000	-0.006368
I8B	.000000	.000000	.000000	-0.004544
I8C	.000000	.000000	.000000	0.006968
I9A	.000000	.000000	.000000	-0.001987
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.003790
K1B	.000000	.000000	.000000	-0.004626
K2A	.000000	.000000	.000000	0.003334
K2B	.000000	.000000	.000000	-0.001189
K2C	.000000	.000000	.000000	-0.005782
K3A	.000000	.000000	.000000	0.007027
K3B	.000000	.000000	.000000	-0.004838
K7A	.000000	.000000	.000000	-0.004922
K7B	.000000	.000000	.000000	0.007546
K8A	.000000	.000000	.000000	-0.005886
K8B	.000000	.000000	.000000	-0.001741
K8C	.000000	.000000	.000000	0.004233
K9A	.000000	.000000	.000000	-0.007297

K9B	.000000	.000000	.000000	0.007299
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000507
M7A	.000000	.000000	.000000	0.000718
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.000129
N1B	.000000	.000000	.000000	-0.000239
N1C	.000000	.000000	.000000	4.79E-05
N2A	.000000	.000000	.000000	-0.000181
N2B	.000000	.000000	.000000	0.000170
N2C	.000000	.000000	.000000	0.000119
N8A	.000000	.000000	.000000	0.000337
N8B	.000000	.000000	.000000	0.000103
N8C	.000000	.000000	.000000	-0.000409
N9A	.000000	.000000	.000000	0.000253
N9B	.000000	.000000	.000000	-0.000359
N9C	.000000	.000000	.000000	-0.000537
P10	.000000	.000000	.000000	.000000

MODE 67 ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	0.000565
F3	.000000	.000000	.000000	-0.000193
F8	.000000	.000000	.000000	0.000315
F9	.000000	.000000	.000000	0.000300
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000

I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-0.007675
E2B	.000000	.000000	.000000	4.21E-05
E3A	.000000	.000000	.000000	0.001072
E3B	.000000	.000000	.000000	0.001171
E3C	.000000	.000000	.000000	-0.002183
E4A	.000000	.000000	.000000	-0.001669
E4B	.000000	.000000	.000000	0.004601
E6A	.000000	.000000	.000000	-0.004585
E6B	.000000	.000000	.000000	0.001671
E7A	.000000	.000000	.000000	0.002006
E7B	.000000	.000000	.000000	-0.000938
E7C	.000000	.000000	.000000	-0.001183
E8A	.000000	.000000	.000000	3.33E-05
E8B	.000000	.000000	.000000	0.007362
G2A	.000000	.000000	.000000	0.009672

G2B	.000000	.000000	.000000	-0.011036
G2C	.000000	.000000	.000000	0.003396
G3A	.000000	.000000	.000000	0.009368
G3B	.000000	.000000	.000000	-0.006257
G3C	.000000	.000000	.000000	-0.001529
G4A	.000000	.000000	.000000	0.002329
G6A	.000000	.000000	.000000	-0.002230
G7A	.000000	.000000	.000000	0.001043
G7B	.000000	.000000	.000000	0.006568
G7C	.000000	.000000	.000000	-0.009418
G8A	.000000	.000000	.000000	0.000134
G8B	.000000	.000000	.000000	0.007263
G8C	.000000	.000000	.000000	-0.011146
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.004049
I2A	.000000	.000000	.000000	0.009763
I2B	.000000	.000000	.000000	-0.005021
I2C	.000000	.000000	.000000	-0.004872
I3A	.000000	.000000	.000000	0.007556
I3B	.000000	.000000	.000000	0.007138
I3C	.000000	.000000	.000000	-0.013921
I4A	.000000	.000000	.000000	0.012829
I6A	.000000	.000000	.000000	-0.013261
I7A	.000000	.000000	.000000	0.011192
I7B	.000000	.000000	.000000	-0.004284
I7C	.000000	.000000	.000000	-0.007901
I8A	.000000	.000000	.000000	0.003869
I8B	.000000	.000000	.000000	0.007580
I8C	.000000	.000000	.000000	-0.013484
I9A	.000000	.000000	.000000	0.004055
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.011618
K1B	.000000	.000000	.000000	-0.010866
K2A	.000000	.000000	.000000	0.006273
K2B	.000000	.000000	.000000	-0.002496
K2C	.000000	.000000	.000000	-0.004796
K3A	.000000	.000000	.000000	0.006750
K3B	.000000	.000000	.000000	-0.004393
K7A	.000000	.000000	.000000	0.004848
K7B	.000000	.000000	.000000	-0.007192
K8A	.000000	.000000	.000000	0.003886
K8B	.000000	.000000	.000000	0.004748
K8C	.000000	.000000	.000000	-0.008945
K9A	.000000	.000000	.000000	0.020462
K9B	.000000	.000000	.000000	-0.023058
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000783
M7A	.000000	.000000	.000000	-0.000687
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.000421
N1B	.000000	.000000	.000000	-0.000516
N1C	.000000	.000000	.000000	0.000299
N2A	.000000	.000000	.000000	-0.000112
N2B	.000000	.000000	.000000	-0.000109
N2C	.000000	.000000	.000000	0.000174
N8A	.000000	.000000	.000000	-0.000823
N8B	.000000	.000000	.000000	0.000624
N8C	.000000	.000000	.000000	0.001242
N9A	.000000	.000000	.000000	-0.001240
N9B	.000000	.000000	.000000	0.000929

N9C	.000000	.000000	.000000	0.001608
P10	.000000	.000000	.000000	.000000

SPEC HORIZ ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	0.001007
F3	.000000	.000000	.000000	0.000968
F8	.000000	.000000	.000000	0.000965
F9	.000000	.000000	.000000	0.001003
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000

L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	1.89E-05
E2B	.000000	.000000	.000000	2.11E-05
E3A	.000000	.000000	.000000	3.61E-05
E3B	.000000	.000000	.000000	3.19E-05
E3C	.000000	.000000	.000000	3.78E-05
E4A	.000000	.000000	.000000	1.25E-05
E4B	.000000	.000000	.000000	7.92E-06
E6A	.000000	.000000	.000000	8.23E-06
E6B	.000000	.000000	.000000	1.20E-05
E7A	.000000	.000000	.000000	3.80E-05
E7B	.000000	.000000	.000000	3.29E-05
E7C	.000000	.000000	.000000	3.96E-05
E8A	.000000	.000000	.000000	2.37E-05
E8B	.000000	.000000	.000000	2.09E-05
G2A	.000000	.000000	.000000	0.000150
G2B	.000000	.000000	.000000	0.000122
G2C	.000000	.000000	.000000	0.000123
G3A	.000000	.000000	.000000	0.000264
G3B	.000000	.000000	.000000	0.000200
G3C	.000000	.000000	.000000	0.000230
G4A	.000000	.000000	.000000	5.91E-05
G6A	.000000	.000000	.000000	5.97E-05
G7A	.000000	.000000	.000000	0.000247
G7B	.000000	.000000	.000000	0.000207
G7C	.000000	.000000	.000000	0.000265
G8A	.000000	.000000	.000000	0.000140
G8B	.000000	.000000	.000000	0.000133
G8C	.000000	.000000	.000000	0.000173
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.000556
I2A	.000000	.000000	.000000	0.000276
I2B	.000000	.000000	.000000	0.000240
I2C	.000000	.000000	.000000	0.000236

I3A	.000000	.000000	.000000	0.000472
I3B	.000000	.000000	.000000	0.000380
I3C	.000000	.000000	.000000	0.000426
I4A	.000000	.000000	.000000	0.000106
I6A	.000000	.000000	.000000	0.000108
I7A	.000000	.000000	.000000	0.000455
I7B	.000000	.000000	.000000	0.000394
I7C	.000000	.000000	.000000	0.000480
I8A	.000000	.000000	.000000	0.000269
I8B	.000000	.000000	.000000	0.000263
I8C	.000000	.000000	.000000	0.000323
I9A	.000000	.000000	.000000	0.000551
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.000358
K1B	.000000	.000000	.000000	0.000400
K2A	.000000	.000000	.000000	0.000419
K2B	.000000	.000000	.000000	0.000372
K2C	.000000	.000000	.000000	0.000371
K3A	.000000	.000000	.000000	0.000656
K3B	.000000	.000000	.000000	0.000582
K7A	.000000	.000000	.000000	0.000598
K7B	.000000	.000000	.000000	0.000670
K8A	.000000	.000000	.000000	0.000419
K8B	.000000	.000000	.000000	0.000409
K8C	.000000	.000000	.000000	0.000487
K9A	.000000	.000000	.000000	0.000399
K9B	.000000	.000000	.000000	0.000354
L10	.000000	.000000	.000000	.000000
L5A	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000769
M7A	.000000	.000000	.000000	0.000791
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	0.000847
N1B	.000000	.000000	.000000	0.000879
N1C	.000000	.000000	.000000	0.000938
N2A	.000000	.000000	.000000	0.000518
N2B	.000000	.000000	.000000	0.000518
N2C	.000000	.000000	.000000	0.000518
N8A	.000000	.000000	.000000	0.000568
N8B	.000000	.000000	.000000	0.000566
N8C	.000000	.000000	.000000	0.000566
N9A	.000000	.000000	.000000	0.000946
N9B	.000000	.000000	.000000	0.000880
N9C	.000000	.000000	.000000	0.000855
P10	.000000	.000000	.000000	.000000

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R E S T R A I N T F O R C E S (R E A C T I O N S)

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

MODE 1 ----------

JOINT	FX	FY	FZ	MY
D2	-1164.770	.000000	-1846.671	.000000
D3	.000000	.000000	336.344962	.000000
D4	.000000	.000000	-480.197761	.000000

D5	.000000	.000000	-659.190593	.000000
D6	.000000	.000000	659.115823	.000000
D7	.000000	.000000	476.278227	.000000
D8	.000000	.000000	-365.526263	.000000
D9	-1165.768	.000000	1886.134	.000000

MODE 2 ----------

JOINT	FX	FY	FZ	MY
D2	167.709235	.000000	-323.496725	.000000
D3	.000000	.000000	601.067917	.000000
D4	.000000	.000000	2172.776	.000000
D5	.000000	.000000	-2360.931	.000000
D6	.000000	.000000	2373.156	.000000
D7	.000000	.000000	-2191.871	.000000
D8	.000000	.000000	-648.625194	.000000
D9	170.395742	.000000	401.285145	.000000

MODE 3 ----------

JOINT	FX	FY	FZ	MY
D2	782.193221	.000000	77.305667	.000000
D3	.000000	.000000	-474.429374	.000000
D4	.000000	.000000	-356.097291	.000000
D5	.000000	.000000	-387.531469	.000000
D6	.000000	.000000	384.831459	.000000
D7	.000000	.000000	358.462787	.000000
D8	.000000	.000000	519.154262	.000000
D9	794.557154	.000000	-101.594351	.000000

MODE 4 ----------

JOINT	FX	FY	FZ	MY
D2	474.023711	.000000	-2055.006	.000000
D3	.000000	.000000	1978.136	.000000
D4	.000000	.000000	-91.737726	.000000
D5	.000000	.000000	-519.296113	.000000
D6	.000000	.000000	482.318624	.000000
D7	.000000	.000000	537.646999	.000000
D8	.000000	.000000	2225.053	.000000
D9	-69.144657	.000000	-3056.288	.000000

MODE 5 ----------

JOINT	FX	FY	FZ	MY
D2	-2051.883	.000000	-3692.591	.000000
D3	.000000	.000000	1336.395	.000000
D4	.000000	.000000	3426.990	.000000
D5	.000000	.000000	3357.142	.000000
D6	.000000	.000000	-3380.326	.000000
D7	.000000	.000000	-3463.872	.000000
D8	.000000	.000000	-1122.774	.000000
D9	-2177.598	.000000	3434.545	.000000

MODE 6 ----------

JOINT	FX	FY	FZ	MY
D2	8.402765	.000000	-691.502990	.000000
D3	.000000	.000000	-958.530954	.000000
D4	.000000	.000000	189.526489	.000000
D5	.000000	.000000	130.197438	.000000
D6	.000000	.000000	-111.752143	.000000
D7	.000000	.000000	-148.110007	.000000

D8	.000000	.000000	1775.605	.000000
D9	-64.384796	.000000	1874.248	.000000

MODE 7 ----------

JOINT	FX	FY	FZ	MY
D2	114.022538	.000000	1701.987	.000000
D3	.000000	.000000	1371.826	.000000
D4	.000000	.000000	-8.096376	.000000
D5	.000000	.000000	16.735018	.000000
D6	.000000	.000000	46.428845	.000000
D7	.000000	.000000	114.845051	.000000
D8	.000000	.000000	374.513021	.000000
D9	-77.136238	.000000	938.550093	.000000

MODE 8 ----------

JOINT	FX	FY	FZ	MY
D2	20.510129	.000000	-649.139987	.000000
D3	.000000	.000000	-985.381239	.000000
D4	.000000	.000000	131.346687	.000000
D5	.000000	.000000	68.057010	.000000
D6	.000000	.000000	-57.400223	.000000
D7	.000000	.000000	-113.334382	.000000
D8	.000000	.000000	1448.490	.000000
D9	-11.402992	.000000	1276.716	.000000

MODE 9 ----------

JOINT	FX	FY	FZ	MY
D2	89.813415	.000000	1273.318	.000000
D3	.000000	.000000	1028.907	.000000
D4	.000000	.000000	18.221708	.000000
D5	.000000	.000000	34.883964	.000000
D6	.000000	.000000	23.010945	.000000
D7	.000000	.000000	79.394808	.000000
D8	.000000	.000000	478.446796	.000000
D9	-69.988042	.000000	940.118385	.000000

MODE 10 ----------

JOINT	FX	FY	FZ	MY
D2	18.123835	.000000	-603.400357	.000000
D3	.000000	.000000	-1166.997	.000000
D4	.000000	.000000	114.928359	.000000
D5	.000000	.000000	43.564821	.000000
D6	.000000	.000000	-40.411500	.000000
D7	.000000	.000000	-107.830890	.000000
D8	.000000	.000000	1418.928	.000000
D9	10.933099	.000000	850.310706	.000000

MODE 11 ----------

JOINT	FX	FY	FZ	MY
D2	-88.970257	.000000	-969.540820	.000000
D3	.000000	.000000	-867.795034	.000000
D4	.000000	.000000	-44.513922	.000000
D5	.000000	.000000	-42.090961	.000000
D6	.000000	.000000	-18.540538	.000000
D7	.000000	.000000	-66.053159	.000000
D8	.000000	.000000	-643.406880	.000000
D9	73.089935	.000000	-895.269263	.000000

MODE 12 ----------

JOINT	FX	FY	FZ	MY
D2	48.009198	.000000	119.889652	.000000
D3	.000000	.000000	1889.539	.000000
D4	.000000	.000000	247.530312	.000000
D5	.000000	.000000	-196.841035	.000000
D6	.000000	.000000	157.024422	.000000
D7	.000000	.000000	-476.849940	.000000
D8	.000000	.000000	-2400.353	.000000
D9	78.079511	.000000	-319.933961	.000000

MODE 13 ----------

JOINT	FX	FY	FZ	MY
D2	-196.826112	.000000	-526.189288	.000000
D3	.000000	.000000	-1338.365	.000000
D4	.000000	.000000	-844.495226	.000000
D5	.000000	.000000	-192.469455	.000000
D6	.000000	.000000	-146.036414	.000000
D7	.000000	.000000	-719.685020	.000000
D8	.000000	.000000	-904.303189	.000000
D9	143.134767	.000000	-597.492725	.000000

MODE 14 ----------

JOINT	FX	FY	FZ	MY
D2	-74.172089	.000000	-93.604871	.000000
D3	.000000	.000000	-1089.729	.000000
D4	.000000	.000000	184.927058	.000000
D5	.000000	.000000	105.545806	.000000
D6	.000000	.000000	-72.718840	.000000
D7	.000000	.000000	-135.029356	.000000
D8	.000000	.000000	1405.816	.000000
D9	-93.786111	.000000	250.144158	.000000

MODE 15 ----------

JOINT	FX	FY	FZ	MY
D2	148.688570	.000000	476.717867	.000000
D3	.000000	.000000	901.742242	.000000
D4	.000000	.000000	226.147467	.000000
D5	.000000	.000000	172.326384	.000000
D6	.000000	.000000	107.383432	.000000
D7	.000000	.000000	262.396649	.000000
D8	.000000	.000000	546.212352	.000000
D9	-86.349199	.000000	583.176418	.000000

MODE 16 ----------

JOINT	FX	FY	FZ	MY
D2	1103.510	.000000	-1613.214	.000000
D3	.000000	.000000	6517.551	.000000
D4	.000000	.000000	-2582.540	.000000
D5	.000000	.000000	1287.107	.000000
D6	.000000	.000000	-1384.297	.000000
D7	.000000	.000000	2844.983	.000000
D8	.000000	.000000	-6015.676	.000000
D9	992.868477	.000000	5459.738	.000000

MODE 17 ----------

JOINT	FX	FY	FZ	MY

D2	1253.506	.000000	-1156.456	.000000
D3	.000000	.000000	-2807.062	.000000
D4	.000000	.000000	-394.007752	.000000
D5	.000000	.000000	955.956440	.000000
D6	.000000	.000000	-993.368672	.000000
D7	.000000	.000000	659.166572	.000000
D8	.000000	.000000	6976.290	.000000
D9	1206.316	.000000	7485.785	.000000

MODE 18 ----------

JOINT	FX	FY	FZ	MY
D2	-348.116231	.000000	3684.676	.000000
D3	.000000	.000000	3453.734	.000000
D4	.000000	.000000	1244.745	.000000
D5	.000000	.000000	-194.283147	.000000
D6	.000000	.000000	822.386492	.000000
D7	.000000	.000000	-366.795007	.000000
D8	.000000	.000000	1768.283	.000000
D9	-897.840718	.000000	-226.777463	.000000

MODE 19 ----------

JOINT	FX	FY	FZ	MY
D2	251.656421	.000000	688.868306	.000000
D3	.000000	.000000	-4125.167	.000000
D4	.000000	.000000	1427.801	.000000
D5	.000000	.000000	-472.987046	.000000
D6	.000000	.000000	335.907146	.000000
D7	.000000	.000000	-1833.530	.000000
D8	.000000	.000000	6342.983	.000000
D9	396.589400	.000000	2007.638	.000000

MODE 20 ----------

JOINT	FX	FY	FZ	MY
D2	-897.310545	.000000	8181.591	.000000
D3	.000000	.000000	6696.990	.000000
D4	.000000	.000000	688.025753	.000000
D5	.000000	.000000	-898.252111	.000000
D6	.000000	.000000	807.441316	.000000
D7	.000000	.000000	-1235.290	.000000
D8	.000000	.000000	1427.614	.000000
D9	-1299.378	.000000	6123.595	.000000

MODE 21 ----------

JOINT	FX	FY	FZ	MY
D2	-1833.430	.000000	-5902.767	.000000
D3	.000000	.000000	-1068.147	.000000
D4	.000000	.000000	2843.639	.000000
D5	.000000	.000000	-1818.899	.000000
D6	.000000	.000000	2106.992	.000000
D7	.000000	.000000	-3778.152	.000000
D8	.000000	.000000	-4945.647	.000000
D9	-2213.152	.000000	9338.061	.000000

MODE 22 ----------

JOINT	FX	FY	FZ	MY
D2	417.123186	.000000	9884.796	.000000
D3	.000000	.000000	-5209.361	.000000
D4	.000000	.000000	-1326.160	.000000

D5	.000000	.000000	-817.050707	.000000
D6	.000000	.000000	-276.511870	.000000
D7	.000000	.000000	1163.625	.000000
D8	.000000	.000000	-2545.424	.000000
D9	864.697038	.000000	1247.932	.000000

MODE 23 ----------

JOINT	FX	FY	FZ	MY
D2	22.677513	.000000	73.549554	.000000
D3	.000000	.000000	1041.975	.000000
D4	.000000	.000000	1163.909	.000000
D5	.000000	.000000	-2.430717	.000000
D6	.000000	.000000	35.570725	.000000
D7	.000000	.000000	847.174278	.000000
D8	.000000	.000000	756.784590	.000000
D9	-14.413192	.000000	51.883159	.000000

MODE 24 ----------

JOINT	FX	FY	FZ	MY
D2	38.305245	.000000	98.435585	.000000
D3	.000000	.000000	739.445007	.000000
D4	.000000	.000000	771.185650	.000000
D5	.000000	.000000	11.935081	.000000
D6	.000000	.000000	-37.068877	.000000
D7	.000000	.000000	-1075.979	.000000
D8	.000000	.000000	-1042.466	.000000
D9	63.725781	.000000	-127.296906	.000000

MODE 25 ----------

JOINT	FX	FY	FZ	MY
D2	-1783.786	.000000	-1533.016	.000000
D3	.000000	.000000	1053.145	.000000
D4	.000000	.000000	-1962.556	.000000
D5	.000000	.000000	1055.150	.000000
D6	.000000	.000000	624.043418	.000000
D7	.000000	.000000	3216.365	.000000
D8	.000000	.000000	-5436.136	.000000
D9	-3787.848	.000000	3840.182	.000000

MODE 26 ----------

JOINT	FX	FY	FZ	MY
D2	-2611.187	.000000	-3809.581	.000000
D3	.000000	.000000	3382.516	.000000
D4	.000000	.000000	1481.200	.000000
D5	.000000	.000000	-1338.731	.000000
D6	.000000	.000000	-266.273586	.000000
D7	.000000	.000000	2859.818	.000000
D8	.000000	.000000	-2478.127	.000000
D9	-2145.667	.000000	2531.063	.000000

MODE 27 ----------

JOINT	FX	FY	FZ	MY
D2	-418.856706	.000000	-3659.077	.000000
D3	.000000	.000000	3785.771	.000000
D4	.000000	.000000	-390.982855	.000000
D5	.000000	.000000	-1558.007	.000000
D6	.000000	.000000	637.045608	.000000
D7	.000000	.000000	-618.494570	.000000

D8	.000000	.000000	1810.170	.000000
D9	-989.975433	.000000	-625.957518	.000000

MODE 28 ----------

JOINT	FX	FY	FZ	MY
D2	-431.069625	.000000	-224.613632	.000000
D3	.000000	.000000	130.862024	.000000
D4	.000000	.000000	-1869.358	.000000
D5	.000000	.000000	-1055.335	.000000
D6	.000000	.000000	-950.592578	.000000
D7	.000000	.000000	-980.766665	.000000
D8	.000000	.000000	-361.016341	.000000
D9	46.643326	.000000	80.629024	.000000

MODE 29 ----------

JOINT	FX	FY	FZ	MY
D2	-102.452536	.000000	-110.275068	.000000
D3	.000000	.000000	196.945316	.000000
D4	.000000	.000000	670.109879	.000000
D5	.000000	.000000	294.779451	.000000
D6	.000000	.000000	-828.038837	.000000
D7	.000000	.000000	-892.067838	.000000
D8	.000000	.000000	-364.878811	.000000
D9	-76.656845	.000000	-232.446048	.000000

MODE 30 ----------

JOINT	FX	FY	FZ	MY
D2	-102.463548	.000000	1202.597	.000000
D3	.000000	.000000	2223.425	.000000
D4	.000000	.000000	-243.478177	.000000
D5	.000000	.000000	23.436557	.000000
D6	.000000	.000000	-33.586239	.000000
D7	.000000	.000000	-59.847235	.000000
D8	.000000	.000000	568.287213	.000000
D9	26.048071	.000000	382.960462	.000000

MODE 31 ----------

JOINT	FX	FY	FZ	MY
D2	-24.785125	.000000	-326.411264	.000000
D3	.000000	.000000	-522.320756	.000000
D4	.000000	.000000	22.293034	.000000
D5	.000000	.000000	6.470517	.000000
D6	.000000	.000000	9.531078	.000000
D7	.000000	.000000	59.461717	.000000
D8	.000000	.000000	1941.841	.000000
D9	-79.175792	.000000	1182.282	.000000

MODE 32 ----------

JOINT	FX	FY	FZ	MY
D2	-2713.658	.000000	624.027473	.000000
D3	.000000	.000000	4644.219	.000000
D4	.000000	.000000	-5012.308	.000000
D5	.000000	.000000	-135.676730	.000000
D6	.000000	.000000	-939.610845	.000000
D7	.000000	.000000	-1288.669	.000000
D8	.000000	.000000	542.112289	.000000
D9	368.977436	.000000	1307.604	.000000

MODE 33 ----------

JOINT	FX	FY	FZ	MY
D2	-2865.860	.000000	-4493.419	.000000
D3	.000000	.000000	605.045663	.000000
D4	.000000	.000000	4290.571	.000000
D5	.000000	.000000	-1713.252	.000000
D6	.000000	.000000	-999.065889	.000000
D7	.000000	.000000	101.479637	.000000
D8	.000000	.000000	87.687460	.000000
D9	1390.282	.000000	-1677.323	.000000

MODE 34 ----------

JOINT	FX	FY	FZ	MY
D2	83.390942	.000000	186.299631	.000000
D3	.000000	.000000	53.835557	.000000
D4	.000000	.000000	1799.544	.000000
D5	.000000	.000000	1377.140	.000000
D6	.000000	.000000	1489.668	.000000
D7	.000000	.000000	2000.175	.000000
D8	.000000	.000000	-2.372068	.000000
D9	-111.784740	.000000	282.166430	.000000

MODE 35 ----------

JOINT	FX	FY	FZ	MY
D2	-61.850819	.000000	-162.681443	.000000
D3	.000000	.000000	38.553946	.000000
D4	.000000	.000000	-1721.474	.000000
D5	.000000	.000000	-1214.364	.000000
D6	.000000	.000000	1083.402	.000000
D7	.000000	.000000	1577.495	.000000
D8	.000000	.000000	-54.315437	.000000
D9	-52.678583	.000000	160.697447	.000000

MODE 36 ----------

JOINT	FX	FY	FZ	MY
D2	116.274140	.000000	513.040333	.000000
D3	.000000	.000000	20.938563	.000000
D4	.000000	.000000	1703.004	.000000
D5	.000000	.000000	1765.196	.000000
D6	.000000	.000000	1887.259	.000000
D7	.000000	.000000	2174.977	.000000
D8	.000000	.000000	-1185.876	.000000
D9	-727.898224	.000000	2488.705	.000000

MODE 37 ----------

JOINT	FX	FY	FZ	MY
D2	451.109955	.000000	1586.479	.000000
D3	.000000	.000000	-1256.084	.000000
D4	.000000	.000000	787.730259	.000000
D5	.000000	.000000	529.250240	.000000
D6	.000000	.000000	208.284328	.000000
D7	.000000	.000000	-231.628755	.000000
D8	.000000	.000000	1215.136	.000000
D9	364.532495	.000000	-1455.765	.000000

MODE 38 ----------

JOINT	FX	FY	FZ	MY

D2	2656.235	.000000	5983.136	.000000
D3	.000000	.000000	-5130.160	.000000
D4	.000000	.000000	921.528076	.000000
D5	.000000	.000000	-1084.195	.000000
D6	.000000	.000000	-2659.580	.000000
D7	.000000	.000000	-4128.974	.000000
D8	.000000	.000000	7532.460	.000000
D9	5283.576	.000000	-14235.742	.000000

MODE 39 ----------

JOINT	FX	FY	FZ	MY
D2	-4316.755	.000000	-6946.831	.000000
D3	.000000	.000000	2001.101	.000000
D4	.000000	.000000	-9228.671	.000000
D5	.000000	.000000	-9201.640	.000000
D6	.000000	.000000	-8784.010	.000000
D7	.000000	.000000	-7659.811	.000000
D8	.000000	.000000	-2330.076	.000000
D9	1607.754	.000000	-2501.244	.000000

MODE 40 ----------

JOINT	FX	FY	FZ	MY
D2	671.241228	.000000	-2457.901	.000000
D3	.000000	.000000	-3832.313	.000000
D4	.000000	.000000	-3188.785	.000000
D5	.000000	.000000	-4146.201	.000000
D6	.000000	.000000	-4316.565	.000000
D7	.000000	.000000	-3953.224	.000000
D8	.000000	.000000	-1604.146	.000000
D9	811.869008	.000000	-3880.046	.000000

MODE 41 ----------

JOINT	FX	FY	FZ	MY
D2	2600.164	.000000	9652.011	.000000
D3	.000000	.000000	-3449.483	.000000
D4	.000000	.000000	2897.063	.000000
D5	.000000	.000000	2116.449	.000000
D6	.000000	.000000	-102.886548	.000000
D7	.000000	.000000	-1368.777	.000000
D8	.000000	.000000	6254.268	.000000
D9	3154.997	.000000	-15103.157	.000000

MODE 42 ----------

JOINT	FX	FY	FZ	MY
D2	-210.603640	.000000	-612.541500	.000000
D3	.000000	.000000	324.977592	.000000
D4	.000000	.000000	-265.209506	.000000
D5	.000000	.000000	-179.101476	.000000
D6	.000000	.000000	-37.352382	.000000
D7	.000000	.000000	-29.982751	.000000
D8	.000000	.000000	968.901379	.000000
D9	-578.192821	.000000	3009.362	.000000

MODE 43 ----------

JOINT	FX	FY	FZ	MY
D2	-342.248212	.000000	-2087.957	.000000
D3	.000000	.000000	-1491.489	.000000
D4	.000000	.000000	-21.109586	.000000

```
     D5     .000000     .000000   -5.513795     .000000
     D6     .000000     .000000  -40.835263     .000000
     D7     .000000     .000000   61.839283     .000000
     D8     .000000     .000000 -464.676359     .000000
     D9 -247.405423     .000000    1136.328     .000000

MODE      44 ------------------

  JOINT          FX          FY          FZ          MY
     D2   -3361.174     .000000  -12439.938     .000000
     D3     .000000     .000000    7355.691     .000000
     D4     .000000     .000000   -4332.909     .000000
     D5     .000000     .000000   -5894.484     .000000
     D6     .000000     .000000    7821.871     .000000
     D7     .000000     .000000    4508.698     .000000
     D8     .000000     .000000    4422.523     .000000
     D9    1048.634     .000000   -6693.333     .000000

MODE      45 ------------------

  JOINT          FX          FY          FZ          MY
     D2    6373.919     .000000   18126.440     .000000
     D3     .000000     .000000  -14099.007     .000000
     D4     .000000     .000000  158.336996     .000000
     D5     .000000     .000000   -5198.249     .000000
     D6     .000000     .000000    2372.747     .000000
     D7     .000000     .000000    1107.097     .000000
     D8     .000000     .000000   -4866.353     .000000
     D9  197.695405     .000000   11776.802     .000000

MODE      46 ------------------

  JOINT          FX          FY          FZ          MY
     D2   47.745891     .000000    2468.460     .000000
     D3     .000000     .000000 -388.190568     .000000
     D4     .000000     .000000    6242.624     .000000
     D5     .000000     .000000   -3422.356     .000000
     D6     .000000     .000000    4473.627     .000000
     D7     .000000     .000000   -8602.714     .000000
     D8     .000000     .000000    1132.947     .000000
     D9 -603.439229     .000000   -3319.317     .000000

MODE      47 ------------------

  JOINT          FX          FY          FZ          MY
     D2    1093.420     .000000  755.561081     .000000
     D3     .000000     .000000    7.016554     .000000
     D4     .000000     .000000  545.399680     .000000
     D5     .000000     .000000  -46.954324     .000000
     D6     .000000     .000000 -159.580953     .000000
     D7     .000000     .000000  -45.906762     .000000
     D8     .000000     .000000  884.204448     .000000
     D9  398.350116     .000000  878.083825     .000000

MODE      48 ------------------

  JOINT          FX          FY          FZ          MY
     D2 -844.860097     .000000    3270.361     .000000
     D3     .000000     .000000   -4968.542     .000000
     D4     .000000     .000000  374.108532     .000000
     D5     .000000     .000000   -1171.496     .000000
     D6     .000000     .000000    1495.634     .000000
     D7     .000000     .000000   -2387.245     .000000
```

```
     D8     .000000     .000000    2601.748     .000000
     D9   -4000.699     .000000   -3865.491     .000000

MODE      49 ------------------

  JOINT          FX          FY          FZ          MY
     D2  959.148854     .000000 -984.545942     .000000
     D3     .000000     .000000    2196.674     .000000
     D4     .000000     .000000   -2331.266     .000000
     D5     .000000     .000000  857.693366     .000000
     D6     .000000     .000000   -1028.820     .000000
     D7     .000000     .000000    3503.965     .000000
     D8     .000000     .000000   -1784.937     .000000
     D9    1802.701     .000000   -2828.136     .000000

MODE      50 ------------------

  JOINT          FX          FY          FZ          MY
     D2 -783.363099     .000000    3366.217     .000000
     D3     .000000     .000000 -651.572139     .000000
     D4     .000000     .000000 -553.357444     .000000
     D5     .000000     .000000 -270.580979     .000000
     D6     .000000     .000000   55.993533     .000000
     D7     .000000     .000000    1052.001     .000000
     D8     .000000     .000000  191.140532     .000000
     D9 -378.398456     .000000  -84.183723     .000000

MODE      51 ------------------

  JOINT          FX          FY          FZ          MY
     D2   -1512.794     .000000  472.592848     .000000
     D3     .000000     .000000 -951.676979     .000000
     D4     .000000     .000000    1280.588     .000000
     D5     .000000     .000000 -240.940086     .000000
     D6     .000000     .000000  139.787622     .000000
     D7     .000000     .000000 -598.403702     .000000
     D8     .000000     .000000   -1011.236     .000000
     D9  411.156001     .000000  680.823050     .000000

MODE      52 ------------------

  JOINT          FX          FY          FZ          MY
     D2  465.235089     .000000 -681.434170     .000000
     D3     .000000     .000000  538.621615     .000000
     D4     .000000     .000000    1968.217     .000000
     D5     .000000     .000000 -264.690726     .000000
     D6     .000000     .000000  563.994862     .000000
     D7     .000000     .000000   -2890.661     .000000
     D8     .000000     .000000 -142.089541     .000000
     D9  155.598268     .000000    1055.960     .000000

MODE      53 ------------------

  JOINT          FX          FY          FZ          MY
     D2   -1397.022     .000000    1034.727     .000000
     D3     .000000     .000000   -1001.124     .000000
     D4     .000000     .000000  603.925474     .000000
     D5     .000000     .000000 -291.226815     .000000
     D6     .000000     .000000 -189.549751     .000000
     D7     .000000     .000000  678.352778     .000000
     D8     .000000     .000000   -1119.254     .000000
     D9  410.073948     .000000  598.245324     .000000
```

MODE 54 ----------

JOINT	FX	FY	FZ	MY
D2	507.829587	.000000	-1470.012	.000000
D3	.000000	.000000	1104.667	.000000
D4	.000000	.000000	2056.712	.000000
D5	.000000	.000000	-494.210511	.000000
D6	.000000	.000000	550.874229	.000000
D7	.000000	.000000	-2478.027	.000000
D8	.000000	.000000	-834.725791	.000000
D9	956.633770	.000000	1890.535	.000000

MODE 55 ----------

JOINT	FX	FY	FZ	MY
D2	-53.988127	.000000	3117.679	.000000
D3	.000000	.000000	-3506.127	.000000
D4	.000000	.000000	-5346.221	.000000
D5	.000000	.000000	406.721444	.000000
D6	.000000	.000000	-1227.595	.000000
D7	.000000	.000000	5864.002	.000000
D8	.000000	.000000	1240.133	.000000
D9	-2672.264	.000000	-4574.377	.000000

MODE 56 ----------

JOINT	FX	FY	FZ	MY
D2	83.347074	.000000	-957.588960	.000000
D3	.000000	.000000	-706.159156	.000000
D4	.000000	.000000	-7792.504	.000000
D5	.000000	.000000	3246.835	.000000
D6	.000000	.000000	2687.354	.000000
D7	.000000	.000000	-7989.776	.000000
D8	.000000	.000000	1954.315	.000000
D9	-718.025788	.000000	-2031.365	.000000

MODE 57 ----------

JOINT	FX	FY	FZ	MY
D2	378.654627	.000000	-4071.324	.000000
D3	.000000	.000000	2799.327	.000000
D4	.000000	.000000	-1704.271	.000000
D5	.000000	.000000	-1099.490	.000000
D6	.000000	.000000	527.676433	.000000
D7	.000000	.000000	273.094021	.000000
D8	.000000	.000000	-688.967593	.000000
D9	3009.907	.000000	2924.433	.000000

MODE 58 ----------

JOINT	FX	FY	FZ	MY
D2	891.338105	.000000	-3959.526	.000000
D3	.000000	.000000	3761.069	.000000
D4	.000000	.000000	-248.388500	.000000
D5	.000000	.000000	0.616364	.000000
D6	.000000	.000000	-1714.958	.000000
D7	.000000	.000000	431.214436	.000000
D8	.000000	.000000	-770.436991	.000000
D9	3114.793	.000000	723.617849	.000000

MODE 59 ----------

JOINT	FX	FY	FZ	MY

D2	-1525.846	.000000	6093.182	.000000
D3	.000000	.000000	-5412.340	.000000
D4	.000000	.000000	3610.874	.000000
D5	.000000	.000000	-1829.964	.000000
D6	.000000	.000000	-1684.990	.000000
D7	.000000	.000000	3104.063	.000000
D8	.000000	.000000	-2066.805	.000000
D9	-3180.184	.000000	-1678.032	.000000

MODE 60 ----------

JOINT	FX	FY	FZ	MY
D2	-261.651989	.000000	-1746.726	.000000
D3	.000000	.000000	43.111296	.000000
D4	.000000	.000000	-111.993478	.000000
D5	.000000	.000000	34.405931	.000000
D6	.000000	.000000	-315.709390	.000000
D7	.000000	.000000	460.202364	.000000
D8	.000000	.000000	1203.739	.000000
D9	128.635275	.000000	1499.801	.000000

MODE 61 ----------

JOINT	FX	FY	FZ	MY
D2	-9.258376	.000000	-4035.862	.000000
D3	.000000	.000000	1384.164	.000000
D4	.000000	.000000	-3875.183	.000000
D5	.000000	.000000	1370.910	.000000
D6	.000000	.000000	983.677086	.000000
D7	.000000	.000000	-3298.217	.000000
D8	.000000	.000000	1144.355	.000000
D9	1650.623	.000000	-715.411135	.000000

MODE 62 ----------

JOINT	FX	FY	FZ	MY
D2	-108.128849	.000000	4172.197	.000000
D3	.000000	.000000	-1687.247	.000000
D4	.000000	.000000	-3151.971	.000000
D5	.000000	.000000	1053.563	.000000
D6	.000000	.000000	1003.088	.000000
D7	.000000	.000000	3974.917	.000000
D8	.000000	.000000	-7483.990	.000000
D9	-438.937999	.000000	-3863.530	.000000

MODE 63 ----------

JOINT	FX	FY	FZ	MY
D2	1550.607	.000000	5019.271	.000000
D3	.000000	.000000	2158.119	.000000
D4	.000000	.000000	-3064.657	.000000
D5	.000000	.000000	-875.507331	.000000
D6	.000000	.000000	-474.442517	.000000
D7	.000000	.000000	719.655217	.000000
D8	.000000	.000000	852.484988	.000000
D9	-1286.538	.000000	216.597356	.000000

MODE 64 ----------

JOINT	FX	FY	FZ	MY
D2	866.089892	.000000	-9252.097	.000000
D3	.000000	.000000	3599.078	.000000
D4	.000000	.000000	2754.658	.000000

D5	.000000	.000000	-813.263134	.000000
D6	.000000	.000000	-226.187432	.000000
D7	.000000	.000000	-248.335525	.000000
D8	.000000	.000000	6464.168	.000000
D9	3349.300	.000000	-140.404149	.000000

MODE 65 ----------

JOINT	FX	FY	FZ	MY
D2	4818.831	.000000	-1341.515	.000000
D3	.000000	.000000	5448.911	.000000
D4	.000000	.000000	459.768468	.000000
D5	.000000	.000000	-2124.176	.000000
D6	.000000	.000000	1349.042	.000000
D7	.000000	.000000	-1627.154	.000000
D8	.000000	.000000	-2695.157	.000000
D9	-3229.244	.000000	-6040.858	.000000

MODE 66 ----------

JOINT	FX	FY	FZ	MY
D2	18167.062	.000000	24758.812	.000000
D3	.000000	.000000	27234.894	.000000
D4	.000000	.000000	17915.273	.000000
D5	.000000	.000000	4194.184	.000000
D6	.000000	.000000	-3327.567	.000000
D7	.000000	.000000	-17880.209	.000000
D8	.000000	.000000	-29509.881	.000000
D9	17223.403	.000000	-29100.237	.000000

MODE 67 ----------

JOINT	FX	FY	FZ	MY
D2	7677.479	.000000	67922.475	.000000
D3	.000000	.000000	38270.174	.000000
D4	.000000	.000000	36698.234	.000000
D5	.000000	.000000	37443.935	.000000
D6	.000000	.000000	37040.026	.000000
D7	.000000	.000000	35812.759	.000000
D8	.000000	.000000	38806.071	.000000
D9	-6842.421	.000000	91395.686	.000000

SPEC HORIZ ----------

JOINT	FX	FY	FZ	MY
D2	3529.221	.000000	5576.043	.000000
D3	.000000	.000000	1046.552	.000000
D4	.000000	.000000	1564.211	.000000
D5	.000000	.000000	2066.841	.000000
D6	.000000	.000000	2067.920	.000000
D7	.000000	.000000	1560.474	.000000
D8	.000000	.000000	1141.407	.000000
D9	3534.729	.000000	5702.783	.000000

C O N S T R A I N T F O R C E S

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

MODE 1 ----------

JOINT	FX	FY	FZ	MY
O4	343.077446	.000000	.000000	.000000
O7	344.210653	.000000	.000000	.000000
P4	-343.063869	.000000	.000000	.000000
P7	-344.229277	.000000	.000000	.000000

MODE 2 ----------

JOINT	FX	FY	FZ	MY
O4	-1175.463	.000000	.000000	.000000
O7	-1179.453	.000000	.000000	.000000
P4	1175.540	.000000	.000000	.000000
P7	1179.393	.000000	.000000	.000000

MODE 3 ----------

JOINT	FX	FY	FZ	MY
O4	135.240258	.000000	.000000	.000000
O7	133.558960	.000000	.000000	.000000
P4	-135.362607	.000000	.000000	.000000
P7	-133.465242	.000000	.000000	.000000

MODE 4 ----------

JOINT	FX	FY	FZ	MY
O4	7.136862	.000000	.000000	.000000
O7	127.979089	.000000	.000000	.000000
P4	-6.915782	.000000	.000000	.000000
P7	-128.185816	.000000	.000000	.000000

MODE 5 ----------

JOINT	FX	FY	FZ	MY
O4	-815.935886	.000000	.000000	.000000
O7	-770.889285	.000000	.000000	.000000
P4	816.400138	.000000	.000000	.000000
P7	770.442687	.000000	.000000	.000000

MODE 6 ----------

JOINT	FX	FY	FZ	MY
O4	-50.620383	.000000	.000000	.000000
O7	-50.533714	.000000	.000000	.000000
P4	50.755367	.000000	.000000	.000000
P7	50.527836	.000000	.000000	.000000

MODE 7 ----------

JOINT	FX	FY	FZ	MY
O4	20.981109	.000000	.000000	.000000
O7	14.128996	.000000	.000000	.000000
P4	-20.379883	.000000	.000000	.000000
P7	-14.524242	.000000	.000000	.000000

MODE 8 ----------

JOINT	FX	FY	FZ	MY
O4	-38.223240	.000000	.000000	.000000
O7	-37.038170	.000000	.000000	.000000
P4	38.461352	.000000	.000000	.000000
P7	36.488427	.000000	.000000	.000000

MODE 9 ----------

JOINT	FX	FY	FZ	MY
O4	10.806006	.000000	.000000	.000000
O7	5.367298	.000000	.000000	.000000
P4	-10.779609	.000000	.000000	.000000
P7	-5.505393	.000000	.000000	.000000

MODE 10 ----------

JOINT	FX	FY	FZ	MY
O4	-38.381445	.000000	.000000	.000000
O7	-37.891648	.000000	.000000	.000000
P4	38.270491	.000000	.000000	.000000
P7	37.969938	.000000	.000000	.000000

MODE 11 ----------

JOINT	FX	FY	FZ	MY
O4	-5.205949	.000000	.000000	.000000
O7	0.802187	.000000	.000000	.000000
P4	5.290710	.000000	.000000	.000000
P7	-0.819750	.000000	.000000	.000000

MODE 12 ----------

JOINT	FX	FY	FZ	MY
O4	243.068375	.000000	.000000	.000000
O7	261.951868	.000000	.000000	.000000
P4	-242.814185	.000000	.000000	.000000
P7	-261.343373	.000000	.000000	.000000

MODE 13 ----------

JOINT	FX	FY	FZ	MY
O4	-78.745041	.000000	.000000	.000000
O7	29.362112	.000000	.000000	.000000
P4	79.720170	.000000	.000000	.000000
P7	-30.052737	.000000	.000000	.000000

MODE 14 ----------

JOINT	FX	FY	FZ	MY
O4	-171.460980	.000000	.000000	.000000
O7	-187.098221	.000000	.000000	.000000
P4	171.334777	.000000	.000000	.000000
P7	187.202553	.000000	.000000	.000000

MODE 15 ----------

JOINT	FX	FY	FZ	MY
O4	72.997323	.000000	.000000	.000000
O7	-24.882626	.000000	.000000	.000000
P4	-73.132464	.000000	.000000	.000000
P7	24.994393	.000000	.000000	.000000

MODE 16 ----------

JOINT	FX	FY	FZ	MY
O4	-33.987134	.000000	.000000	.000000
O7	-62.352741	.000000	.000000	.000000
P4	34.855107	.000000	.000000	.000000

```
     P7   61.591450     .000000     .000000     .000000

MODE      17 ------------------

  JOINT          FX          FY          FZ          MY
     O4 -301.703589     .000000     .000000     .000000
     O7 -354.181418     .000000     .000000     .000000
     P4  302.533734     .000000     .000000     .000000
     P7  353.448816     .000000     .000000     .000000

MODE      18 ------------------

  JOINT          FX          FY          FZ          MY
     O4  304.556210     .000000     .000000     .000000
     O7   84.785982     .000000     .000000     .000000
     P4 -304.325896     .000000     .000000     .000000
     P7  -84.398375     .000000     .000000     .000000

MODE      19 ------------------

  JOINT          FX          FY          FZ          MY
     O4  283.504841     .000000     .000000     .000000
     O7  390.470321     .000000     .000000     .000000
     P4 -283.584702     .000000     .000000     .000000
     P7 -390.628552     .000000     .000000     .000000

MODE      20 ------------------

  JOINT          FX          FY          FZ          MY
     O4  261.616812     .000000     .000000     .000000
     O7  501.601478     .000000     .000000     .000000
     P4 -261.952238     .000000     .000000     .000000
     P7 -502.369564     .000000     .000000     .000000

MODE      21 ------------------

  JOINT          FX          FY          FZ          MY
     O4    1440.937     .000000     .000000     .000000
     O7    1799.928     .000000     .000000     .000000
     P4   -1441.347     .000000     .000000     .000000
     P7   -1800.017     .000000     .000000     .000000

MODE      22 ------------------

  JOINT          FX          FY          FZ          MY
     O4 -611.376562     .000000     .000000     .000000
     O7 -464.251402     .000000     .000000     .000000
     P4  610.691848     .000000     .000000     .000000
     P7  464.127177     .000000     .000000     .000000

MODE      23 ------------------

  JOINT          FX          FY          FZ          MY
     O4   10.921950     .000000     .000000     .000000
     O7   -4.525998     .000000     .000000     .000000
     P4   -9.879563     .000000     .000000     .000000
     P7    6.375735     .000000     .000000     .000000

MODE      24 ------------------

  JOINT          FX          FY          FZ          MY
     O4  -11.147699     .000000     .000000     .000000
     O7  -14.259317     .000000     .000000     .000000
```

P4	10.904079	.000000	.000000	.000000
P7	13.053369	.000000	.000000	.000000

MODE 25 ----------

JOINT	FX	FY	FZ	MY
O4	-618.792729	.000000	.000000	.000000
O7	-1207.821	.000000	.000000	.000000
P4	619.370905	.000000	.000000	.000000
P7	1206.111	.000000	.000000	.000000

MODE 26 ----------

JOINT	FX	FY	FZ	MY
O4	-151.135732	.000000	.000000	.000000
O7	-239.170683	.000000	.000000	.000000
P4	152.304997	.000000	.000000	.000000
P7	238.106515	.000000	.000000	.000000

MODE 27 ----------

JOINT	FX	FY	FZ	MY
O4	556.950443	.000000	.000000	.000000
O7	75.767713	.000000	.000000	.000000
P4	-555.614781	.000000	.000000	.000000
P7	-75.516812	.000000	.000000	.000000

MODE 28 ----------

JOINT	FX	FY	FZ	MY
O4	-244.042473	.000000	.000000	.000000
O7	15.003727	.000000	.000000	.000000
P4	245.817960	.000000	.000000	.000000
P7	-14.013951	.000000	.000000	.000000

MODE 29 ----------

JOINT	FX	FY	FZ	MY
O4	89.121461	.000000	.000000	.000000
O7	9.949142	.000000	.000000	.000000
P4	-87.937610	.000000	.000000	.000000
P7	-9.420973	.000000	.000000	.000000

MODE 30 ----------

JOINT	FX	FY	FZ	MY
O4	-65.478073	.000000	.000000	.000000
O7	-3.396898	.000000	.000000	.000000
P4	67.858260	.000000	.000000	.000000
P7	1.557316	.000000	.000000	.000000

MODE 31 ----------

JOINT	FX	FY	FZ	MY
O4	6.691123	.000000	.000000	.000000
O7	-12.637909	.000000	.000000	.000000
P4	-8.739511	.000000	.000000	.000000
P7	14.789448	.000000	.000000	.000000

MODE 32 ----------

JOINT	FX	FY	FZ	MY
O4	-1116.704	.000000	.000000	.000000

```
     O7  -91.250865     .000000     .000000     .000000
     P4    1115.454     .000000     .000000     .000000
     P7   92.576033     .000000     .000000     .000000

MODE      33 ------------------

  JOINT          FX          FY          FZ          MY
     O4    1848.034     .000000     .000000     .000000
     O7 -562.587972     .000000     .000000     .000000
     P4   -1849.466     .000000     .000000     .000000
     P7  564.801806     .000000     .000000     .000000

MODE      34 ------------------

  JOINT          FX          FY          FZ          MY
     O4   28.503278     .000000     .000000     .000000
     O7  -43.361016     .000000     .000000     .000000
     P4  -25.789923     .000000     .000000     .000000
     P7   42.887724     .000000     .000000     .000000

MODE      35 ------------------

  JOINT          FX          FY          FZ          MY
     O4  -22.831350     .000000     .000000     .000000
     O7  -30.017287     .000000     .000000     .000000
     P4   21.994450     .000000     .000000     .000000
     P7   30.521915     .000000     .000000     .000000

MODE      36 ------------------

  JOINT          FX          FY          FZ          MY
     O4  359.312386     .000000     .000000     .000000
     O7 -629.694457     .000000     .000000     .000000
     P4 -355.338205     .000000     .000000     .000000
     P7  628.151285     .000000     .000000     .000000

MODE      37 ------------------

  JOINT          FX          FY          FZ          MY
     O4  457.695375     .000000     .000000     .000000
     O7  303.454329     .000000     .000000     .000000
     P4 -462.966468     .000000     .000000     .000000
     P7 -301.868898     .000000     .000000     .000000

MODE      38 ------------------

  JOINT          FX          FY          FZ          MY
     O4  714.076111     .000000     .000000     .000000
     O7  982.293371     .000000     .000000     .000000
     P4 -710.761384     .000000     .000000     .000000
     P7 -984.100507     .000000     .000000     .000000

MODE      39 ------------------

  JOINT          FX          FY          FZ          MY
     O4   -1408.714     .000000     .000000     .000000
     O7  848.221678     .000000     .000000     .000000
     P4    1412.273     .000000     .000000     .000000
     P7 -847.120490     .000000     .000000     .000000

MODE      40 ------------------

  JOINT          FX          FY          FZ          MY
```

```
     O4 -395.202480     .000000     .000000     .000000
     O7  688.744738     .000000     .000000     .000000
     P4  393.900863     .000000     .000000     .000000
     P7 -687.533151     .000000     .000000     .000000

MODE      41 ------------------

  JOINT          FX          FY          FZ          MY
     O4  792.784158     .000000     .000000     .000000
     O7  562.317570     .000000     .000000     .000000
     P4 -792.336688     .000000     .000000     .000000
     P7 -557.009054     .000000     .000000     .000000

MODE      42 ------------------

  JOINT          FX          FY          FZ          MY
     O4  -95.170872     .000000     .000000     .000000
     O7   10.386815     .000000     .000000     .000000
     P4   94.244084     .000000     .000000     .000000
     P7  -10.575530     .000000     .000000     .000000

MODE      43 ------------------

  JOINT          FX          FY          FZ          MY
     O4    5.135270     .000000     .000000     .000000
     O7  -28.439616     .000000     .000000     .000000
     P4   -4.268039     .000000     .000000     .000000
     P7   27.834523     .000000     .000000     .000000

MODE      44 ------------------

  JOINT          FX          FY          FZ          MY
     O4   -1909.498     .000000     .000000     .000000
     O7   -2141.162     .000000     .000000     .000000
     P4    1909.661     .000000     .000000     .000000
     P7    2142.652     .000000     .000000     .000000

MODE      45 ------------------

  JOINT          FX          FY          FZ          MY
     O4 -234.658305     .000000     .000000     .000000
     O7 -490.086494     .000000     .000000     .000000
     P4  238.649649     .000000     .000000     .000000
     P7  490.639630     .000000     .000000     .000000

MODE      46 ------------------

  JOINT          FX          FY          FZ          MY
     O4    5178.496     .000000     .000000     .000000
     O7    6641.001     .000000     .000000     .000000
     P4   -5167.704     .000000     .000000     .000000
     P7   -6651.289     .000000     .000000     .000000

MODE      47 ------------------

  JOINT          FX          FY          FZ          MY
     O4  315.034747     .000000     .000000     .000000
     O7  186.028234     .000000     .000000     .000000
     P4 -320.679838     .000000     .000000     .000000
     P7 -182.494613     .000000     .000000     .000000

MODE      48 ------------------
```

JOINT	FX	FY	FZ	MY
O4	-1606.265	.000000	.000000	.000000
O7	-210.148228	.000000	.000000	.000000
P4	1593.624	.000000	.000000	.000000
P7	218.448035	.000000	.000000	.000000

MODE 49 ----------

JOINT	FX	FY	FZ	MY
O4	-1028.720	.000000	.000000	.000000
O7	-1515.243	.000000	.000000	.000000
P4	1024.869	.000000	.000000	.000000
P7	1518.476	.000000	.000000	.000000

MODE 50 ----------

JOINT	FX	FY	FZ	MY
O4	-613.370051	.000000	.000000	.000000
O7	-1140.255	.000000	.000000	.000000
P4	601.336069	.000000	.000000	.000000
P7	1151.581	.000000	.000000	.000000

MODE 51 ----------

JOINT	FX	FY	FZ	MY
O4	963.941709	.000000	.000000	.000000
O7	346.607079	.000000	.000000	.000000
P4	-969.500668	.000000	.000000	.000000
P7	-338.760692	.000000	.000000	.000000

MODE 52 ----------

JOINT	FX	FY	FZ	MY
O4	1443.402	.000000	.000000	.000000
O7	1985.071	.000000	.000000	.000000
P4	-1425.807	.000000	.000000	.000000
P7	-2003.821	.000000	.000000	.000000

MODE 53 ----------

JOINT	FX	FY	FZ	MY
O4	692.490993	.000000	.000000	.000000
O7	-524.420691	.000000	.000000	.000000
P4	-729.797888	.000000	.000000	.000000
P7	553.049970	.000000	.000000	.000000

MODE 54 ----------

JOINT	FX	FY	FZ	MY
O4	1926.918	.000000	.000000	.000000
O7	2018.497	.000000	.000000	.000000
P4	-1951.302	.000000	.000000	.000000
P7	-1998.873	.000000	.000000	.000000

MODE 55 ----------

JOINT	FX	FY	FZ	MY
O4	-5157.196	.000000	.000000	.000000
O7	-5196.714	.000000	.000000	.000000
P4	5148.084	.000000	.000000	.000000
P7	5193.330	.000000	.000000	.000000

MODE 56 ----------

JOINT	FX	FY	FZ	MY
O4	-11148.709	.000000	.000000	.000000
O7	6291.154	.000000	.000000	.000000
P4	11160.953	.000000	.000000	.000000
P7	-6292.366	.000000	.000000	.000000

MODE 57 ----------

JOINT	FX	FY	FZ	MY
O4	4285.937	.000000	.000000	.000000
O7	4190.827	.000000	.000000	.000000
P4	-4286.517	.000000	.000000	.000000
P7	-4192.743	.000000	.000000	.000000

MODE 58 ----------

JOINT	FX	FY	FZ	MY
O4	2285.777	.000000	.000000	.000000
O7	-394.575959	.000000	.000000	.000000
P4	-2264.620	.000000	.000000	.000000
P7	390.253188	.000000	.000000	.000000

MODE 59 ----------

JOINT	FX	FY	FZ	MY
O4	3916.598	.000000	.000000	.000000
O7	-7863.883	.000000	.000000	.000000
P4	-3909.377	.000000	.000000	.000000
P7	7858.112	.000000	.000000	.000000

MODE 60 ----------

JOINT	FX	FY	FZ	MY
O4	-289.344193	.000000	.000000	.000000
O7	-1170.458	.000000	.000000	.000000
P4	271.174372	.000000	.000000	.000000
P7	1179.563	.000000	.000000	.000000

MODE 61 ----------

JOINT	FX	FY	FZ	MY
O4	-5130.578	.000000	.000000	.000000
O7	4955.787	.000000	.000000	.000000
P4	5116.942	.000000	.000000	.000000
P7	-4963.276	.000000	.000000	.000000

MODE 62 ----------

JOINT	FX	FY	FZ	MY
O4	-3198.200	.000000	.000000	.000000
O7	6179.920	.000000	.000000	.000000
P4	3198.398	.000000	.000000	.000000
P7	-6176.307	.000000	.000000	.000000

MODE 63 ----------

JOINT	FX	FY	FZ	MY
O4	3495.157	.000000	.000000	.000000
O7	-3897.812	.000000	.000000	.000000
P4	-3514.274	.000000	.000000	.000000
P7	3886.943	.000000	.000000	.000000

MODE 64 ----------

JOINT	FX	FY	FZ	MY
O4	1308.796	.000000	.000000	.000000
O7	-4844.043	.000000	.000000	.000000
P4	-1279.357	.000000	.000000	.000000
P7	4829.453	.000000	.000000	.000000

MODE 65 ----------

JOINT	FX	FY	FZ	MY
O4	6209.207	.000000	.000000	.000000
O7	2708.083	.000000	.000000	.000000
P4	-6259.164	.000000	.000000	.000000
P7	-2706.335	.000000	.000000	.000000

MODE 66 ----------

JOINT	FX	FY	FZ	MY
O4	2695.583	.000000	.000000	.000000
O7	1498.537	.000000	.000000	.000000
P4	-1761.281	.000000	.000000	.000000
P7	-2045.606	.000000	.000000	.000000

MODE 67 ----------

JOINT	FX	FY	FZ	MY
O4	-5580.871	.000000	.000000	.000000
O7	5124.528	.000000	.000000	.000000
P4	-156.382251	.000000	.000000	.000000
P7	968.424162	.000000	.000000	.000000

SPEC HORIZ ----------

JOINT	FX	FY	FZ	MY
O4	1040.584	.000000	.000000	.000000
O7	1043.516	.000000	.000000	.000000
P4	1040.553	.000000	.000000	.000000
P7	1043.563	.000000	.000000	.000000

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G L O B A L F O R C E B A L A N C E

TOTAL FORCE AND MOMENT AT THE ORIGIN, IN GLOBAL COORDINATES

LOAD DEAD ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	5.38E-15	-5.67E-31	-2035.617	-244274.029	705595.710	-6.46E-13
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	-3.89E-18	.000000
REACTNS	-1.42E-14	-6.63E-31	2035.617	244274.029	-705595.710	2.05E-12
CONSTRS	-3.91E-14	.000000	.000000	.000000	-2.36E-11	4.65E-12
TOTAL	-4.79E-14	-1.23E-30	2.27E-13	1.16E-10	2.09E-10	6.05E-12

LOADMANIFOLD ----------

	FX	FY	FZ	MX	MY	MZ

APPLIED	.000000	.000000	-7576.000	-909120.000	2.6260E+06	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	-6.34E-18	.000000
REACTNS	-1.76E-12	.000000	7576.000	909120.000	-2.6260E+06	2.11E-10
CONSTRS	-3.72E-15	.000000	.000000	.000000	-7.96E-13	4.46E-13
TOTAL	-1.77E-12	.000000	-2.73E-12	-4.66E-10	-1.40E-09	2.11E-10

LOAD TBAR ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-5056.000	-606720.000	1.7525E+06	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	-1.78E-16	.000000
REACTNS	-3.84E-13	.000000	5056.000	606720.000	-1.7525E+06	4.62E-11
CONSTRS	-7.11E-15	.000000	.000000	.000000	-2.91E-12	8.38E-13
TOTAL	-3.91E-13	.000000	-1.82E-12	-2.33E-10	-4.69E-10	4.70E-11

LOADTOPCOVER ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-7858.000	-942960.000	2.7238E+06	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	-1.04E-17	.000000
REACTNS	1.14E-13	.000000	7858.000	942960.000	-2.7238E+06	-1.23E-11
CONSTRS	-2.27E-13	.000000	.000000	.000000	-1.35E-10	2.75E-11
TOTAL	-1.14E-13	.000000	-1.82E-12	-2.33E-10	-1.35E-10	1.52E-11

LOAD PEWALLS ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-10448.000	-1.2538E+06	3.6215E+06	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	-8.43E-18	.000000
REACTNS	-2.84E-13	.000000	10448.000	1.2538E+06	-3.6215E+06	3.09E-11
CONSTRS	-9.95E-14	.000000	.000000	.000000	-5.76E-11	1.22E-11
TOTAL	-3.84E-13	.000000	-5.46E-12	-4.66E-10	4.08E-10	4.31E-11

LOADHOTBASIN ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-3312.000	-397440.000	1.1480E+06	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	-8.33E-18	.000000
REACTNS	-8.88E-13	.000000	3312.000	397440.000	-1.1480E+06	1.06E-10
CONSTRS	-7.11E-15	.000000	.000000	.000000	-2.80E-12	8.92E-13
TOTAL	-8.95E-13	.000000	-1.36E-12	-1.16E-10	-1.40E-09	1.07E-10

LOADDRIFTELM ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-520.000000	-62400.000	180245.000	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	4.12E-18	.000000
REACTNS	-1.74E-13	.000000	520.000000	62400.000	-180245.000	2.07E-11
CONSTRS	-8.88E-15	.000000	.000000	.000000	-4.71E-12	1.21E-12
TOTAL	-1.83E-13	.000000	-2.27E-13	-1.46E-11	2.44E-11	2.19E-11

LOADFANMOTOR ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	.000000	.000000	.000000	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	.000000	.000000	.000000	.000000

LOADCABLETRY ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-2356.000	-282720.000	1.4189E+06	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	-0.001382	.000000
REACTNS	5.18E-12	.000000	2356.000	282720.000	-1.4186E+06	-6.22E-10
CONSTRS	-6.04E-14	.000000	.000000	.000000	-304.989358	6.98E-12
TOTAL	5.12E-12	.000000	4.55E-12	5.82E-10	3.94E-10	-6.15E-10

LOADLOUVERWL ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-1570.000	-188400.000	544201.250	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	-3.74E-18	.000000
REACTNS	6.82E-13	.000000	1570.000	188400.000	-544201.250	-8.19E-11
CONSTRS	-1.60E-14	.000000	.000000	.000000	-8.13E-12	1.89E-12
TOTAL	6.66E-13	.000000	-1.59E-12	-2.04E-10	3.41E-10	-8.00E-11

LOAD SECDIST ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	.000000	.000000	.000000	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	.000000	.000000	.000000	.000000

MODE 1 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	2330.617	.000000	-6.685066	-802.207914	1.3178E+06	-279674.076
SPRINGS	.000000	.000000	.000000	.000000	-0.002081	.000000
REACTNS	-2330.539	.000000	6.287303	754.476353	-1.3087E+06	279664.635
CONSTRS	-0.005046	.000000	.000000	.000000	-8938.046	0.605576
TOTAL	0.073631	.000000	-0.397763	-47.731560	139.560137	-8.835776

MODE 2 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-338.104661	.000000	-23.975664	-2877.080	-415123.020	40572.559
SPRINGS	.000000	.000000	.000000	.000000	-0.006378	.000000
REACTNS	338.104977	.000000	23.361662	2803.399	384689.051	-40572.597
CONSTRS	0.017247	.000000	.000000	.000000	30625.181	-2.069593

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  TOTAL    0.017562     .000000   -0.614002  -73.680238  191.205850   -2.107476

MODE       3 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -1576.984     .000000  -20.792608   -2495.113   18478.363  189238.057
SPRINGS     .000000     .000000     .000000     .000000   -0.017199     .000000
REACTNS    1576.750     .000000   20.101690    2412.203  -14713.622 -189210.045
CONSTRS   -0.028631     .000000     .000000     .000000   -3513.114    3.435673

  TOTAL   -0.262066     .000000   -0.690919  -82.910228  251.610162   31.447940

MODE       4 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -404.665972     .000000  498.634694   59836.163 -334212.079   48559.917
SPRINGS     .000000     .000000     .000000     .000000    0.002234     .000000
REACTNS  404.879054     .000000 -499.172071  -59900.649  336186.667  -48585.486
CONSTRS    0.014353     .000000     .000000     .000000   -1747.120   -1.722397

  TOTAL    0.227435     .000000   -0.537378  -64.485325  227.469837  -27.292211

MODE       5 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    4229.106     .000000  102.646454   12317.575  930099.423 -507492.689
SPRINGS     .000000     .000000     .000000     .000000   -0.020921     .000000
REACTNS   -4229.481     .000000 -104.489577  -12538.749 -950026.288  507537.766
CONSTRS    0.017654     .000000     .000000     .000000   20640.273   -2.118536

  TOTAL   -0.357995     .000000   -1.843123 -221.174709  713.387070   42.959359

MODE       6 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   54.361216     .000000   -2061.353 -247362.310  1.8147E+06   -6523.346
SPRINGS     .000000     .000000     .000000     .000000   -0.021413     .000000
REACTNS  -55.982031     .000000    2059.682  247161.797 -1.8157E+06    6717.844
CONSTRS    0.129106     .000000     .000000     .000000    1399.439  -15.492717

  TOTAL   -1.491709     .000000   -1.670939 -200.512688  458.840490  179.005054

MODE       7 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  -37.984901     .000000   -4560.879 -547305.522  1.2180E+06    4558.188
SPRINGS     .000000     .000000     .000000     .000000    0.008112     .000000
REACTNS   36.886300     .000000    4556.789  546814.735 -1.2165E+06   -4426.356
CONSTRS    0.205979     .000000     .000000     .000000 -321.720830  -24.717528

  TOTAL   -0.892621     .000000   -4.089892 -490.787058    1162.062  107.114566

MODE       8 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -8.215741     .000000   -1115.912 -133909.380  1.2770E+06  985.888944
```

SPRINGS	.000000	.000000	.000000	.000000	-0.026329	.000000
REACTNS	9.107137	.000000	1119.354	134322.463	-1.2791E+06	-1092.856
CONSTRS	-0.311631	.000000	.000000	.000000	774.591541	37.395742
TOTAL	0.579764	.000000	3.442359	413.083040	-1400.011	-69.571712

MODE 9 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-19.908753	.000000	-3875.786	-465094.340	1.1637E+06	2389.050
SPRINGS	.000000	.000000	.000000	.000000	0.006509	.000000
REACTNS	19.825373	.000000	3876.301	465156.163	-1.1638E+06	-2379.045
CONSTRS	-0.111698	.000000	.000000	.000000	-283.303554	13.403780
TOTAL	-0.195078	.000000	0.515195	61.823344	-399.330963	23.409309

MODE 10 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-29.441577	.000000	-505.830210	-60699.625	974545.646	3532.989
SPRINGS	.000000	.000000	.000000	.000000	-0.023945	.000000
REACTNS	29.056934	.000000	509.091589	61090.991	-976927.649	-3486.832
CONSTRS	-0.032665	.000000	.000000	.000000	970.187432	3.919776
TOTAL	-0.417308	.000000	3.261379	391.365470	-1411.840	50.076944

MODE 11 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	16.083149	.000000	3545.725	425487.033	-1.1690E+06	-1929.978
SPRINGS	.000000	.000000	.000000	.000000	-0.002690	.000000
REACTNS	-15.880323	.000000	-3547.211	-425665.269	1.1696E+06	1905.639
CONSTRS	0.067198	.000000	.000000	.000000	101.196271	-8.063736
TOTAL	0.270024	.000000	-1.485303	-178.236392	657.234927	-32.402921

MODE 12 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-124.348787	.000000	980.490373	117658.845	-1.2998E+06	14921.854
SPRINGS	.000000	.000000	.000000	.000000	0.030836	.000000
REACTNS	126.088709	.000000	-979.994641	-117599.357	1.3067E+06	-15130.645
CONSTRS	0.862685	.000000	.000000	.000000	-6001.067	-103.522141
TOTAL	2.602606	.000000	0.495732	59.487838	918.805300	-312.312779

MODE 13 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	53.164967	.000000	5266.284	631954.056	-1.7436E+06	-6379.796
SPRINGS	.000000	.000000	.000000	.000000	-0.004481	.000000
REACTNS	-53.691345	.000000	-5269.036	-632284.306	1.7432E+06	6442.961
CONSTRS	0.284504	.000000	.000000	.000000	828.043559	-34.140456
TOTAL	-0.241874	.000000	-2.752085	-330.250177	444.229566	29.024900

MODE 14 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	168.177294	.000000	-554.868049	-66584.166	707214.642	-20181.275
SPRINGS	.000000	.000000	.000000	.000000	-0.012398	.000000
REACTNS	-167.958200	.000000	555.351069	66642.128	-711954.465	20154.984
CONSTRS	-0.021871	.000000	.000000	.000000	4646.966	2.624548
TOTAL	0.197223	.000000	0.483020	57.962402	-92.869369	-23.666786

MODE 15 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-61.934526	.000000	-3275.665	-393079.842	1.0915E+06	7432.143
SPRINGS	.000000	.000000	.000000	.000000	0.002727	.000000
REACTNS	62.339371	.000000	3276.103	393132.337	-1.0909E+06	-7480.725
CONSTRS	-0.023374	.000000	.000000	.000000	-640.777457	2.804842
TOTAL	0.381471	.000000	0.437459	52.495057	15.057277	-45.776557

MODE 16 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-2097.154	.000000	-4516.436	-541972.295	1.2732E+06	251658.462
SPRINGS	.000000	.000000	.000000	.000000	-0.026193	.000000
REACTNS	2096.379	.000000	4513.651	541638.140	-1.2738E+06	-251565.462
CONSTRS	0.106681	.000000	.000000	.000000	1322.188	-12.801755
TOTAL	-0.668325	.000000	-2.784624	-334.154831	657.968649	80.199034

MODE 17 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-2459.502	.000000	-10729.637	-1.2876E+06	7.3329E+06	295140.239
SPRINGS	.000000	.000000	.000000	.000000	0.027081	.000000
REACTNS	2459.822	.000000	10726.305	1.2872E+06	-7.3401E+06	-295178.652
CONSTRS	0.097543	.000000	.000000	.000000	8590.298	-11.705169
TOTAL	0.417652	.000000	-3.332028	-399.843372	1444.990	-50.118257

MODE 18 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	1246.799	.000000	-10187.654	-1.2225E+06	2.2922E+06	-149615.821
SPRINGS	.000000	.000000	.000000	.000000	-0.012927	.000000
REACTNS	-1245.957	.000000	10185.969	1.2223E+06	-2.2867E+06	149514.834
CONSTRS	0.617920	.000000	.000000	.000000	-4657.329	-74.150378
TOTAL	1.459481	.000000	-1.685051	-202.206109	763.490212	-175.137738

MODE 19 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-648.528248	.000000	-4371.057	-524526.882	3.3226E+06	77823.390
SPRINGS	.000000	.000000	.000000	.000000	-0.036201	.000000
REACTNS	648.245821	.000000	4371.513	524581.598	-3.3138E+06	-77789.499
CONSTRS	-0.238092	.000000	.000000	.000000	-8917.389	28.571040
TOTAL	-0.520520	.000000	0.455968	54.716121	-112.194189	62.462340

MODE 20 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	2196.906	.000000	-21788.566	-2.6146E+06	6.2714E+06	-263628.759
SPRINGS	.000000	.000000	.000000	.000000	0.004581	.000000
REACTNS	-2196.688	.000000	21791.716	2.6150E+06	-6.2620E+06	263602.584
CONSTRS	-1.103513	.000000	.000000	.000000	-10643.535	132.421507
TOTAL	-0.885388	.000000	3.149646	377.957479	-1222.023	106.246620

MODE 21 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	4043.284	.000000	3226.428	387171.407	2.0848E+06	-485194.108
SPRINGS	.000000	.000000	.000000	.000000	-0.001778	.000000
REACTNS	-4046.582	.000000	-3224.920	-386990.386	-2.0439E+06	485589.815
CONSTRS	-0.499185	.000000	.000000	.000000	-42457.708	59.902180
TOTAL	-3.796745	.000000	1.508508	181.021017	-1609.815	455.609403

MODE 22 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-1285.867	.000000	-2119.889	-254386.654	-876555.620	154304.086
SPRINGS	.000000	.000000	.000000	.000000	0.004524	.000000
REACTNS	1281.820	.000000	2121.846	254621.486	860926.959	-153818.427
CONSTRS	-0.808939	.000000	.000000	.000000	13454.117	97.072674
TOTAL	-4.856098	.000000	1.956927	234.831229	-2174.539	582.731746

MODE 23 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-10.274407	.000000	-3974.425	-476931.009	1.2874E+06	1232.929
SPRINGS	.000000	.000000	.000000	.000000	0.000103	.000000
REACTNS	8.264321	.000000	3968.416	476209.876	-1.2847E+06	-991.718500
CONSTRS	2.892124	.000000	.000000	.000000	1808.302	-347.054848
TOTAL	0.882038	.000000	-6.009441	-721.132942	4476.170	-105.844546

MODE 24 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-103.354980	.000000	667.538092	80104.571	-829584.164	12402.598
SPRINGS	.000000	.000000	.000000	.000000	-4.00E-05	.000000
REACTNS	102.031026	.000000	-661.809574	-79417.149	823233.815	-12243.723
CONSTRS	-1.449568	.000000	.000000	.000000	-617.726132	173.948136
TOTAL	-2.773522	.000000	5.728518	687.422145	-6968.076	332.822632

MODE 25 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	5573.230	.000000	-859.057789	-103086.935	1.8177E+06	-668787.639
SPRINGS	.000000	.000000	.000000	.000000	0.044473	.000000
REACTNS	-5571.634	.000000	857.177853	102861.342	-1.8431E+06	668596.111

```
CONSTRS   -1.131976     .000000     .000000     .000000   23005.664  135.837174

  TOTAL    0.464094     .000000   -1.879936 -225.592349   -2475.532  -55.691277

MODE      26 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    4761.982     .000000   -2365.181 -283821.780  2.2423E+06 -571437.869
SPRINGS     .000000     .000000     .000000     .000000    0.029008     .000000
REACTNS   -4756.854     .000000    2361.885  283426.248 -2.2460E+06  570822.538
CONSTRS    0.105096     .000000     .000000     .000000    5142.716  -12.611576

  TOTAL    5.232853     .000000   -3.296093 -395.531174    1425.383 -627.942393

MODE      27 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    1408.596     .000000  608.768271   73052.193  464694.782 -169031.574
SPRINGS     .000000     .000000     .000000     .000000    0.011844     .000000
REACTNS   -1408.832     .000000 -619.532863  -74343.944 -454836.819  169059.857
CONSTRS    1.586562     .000000     .000000     .000000   -7187.724 -190.387487

  TOTAL    1.350870     .000000  -10.764592   -1291.751    2670.251 -162.104458

MODE      28 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  384.291100     .000000    5215.523  625862.747 -1.6674E+06  -46114.932
SPRINGS     .000000     .000000     .000000     .000000    0.016681     .000000
REACTNS -384.426298     .000000   -5230.191 -627622.967  1.6685E+06   46131.156
CONSTRS    2.765262     .000000     .000000     .000000    4785.985 -331.831474

  TOTAL    2.630064     .000000  -14.668499   -1760.220    5811.726 -315.607642

MODE      29 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  179.947124     .000000    1259.155  151098.653 -750143.082  -21593.655
SPRINGS     .000000     .000000     .000000     .000000   -0.054906     .000000
REACTNS -179.109380     .000000   -1265.872 -151904.635  753595.424   21493.126
CONSTRS    1.712020     .000000     .000000     .000000 -168.256649 -205.442420

  TOTAL    2.549764     .000000   -6.716513 -805.981616    3284.030 -305.971629

MODE      30 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   76.664626     .000000   -4063.396 -487607.489  931484.527   -9199.755
SPRINGS     .000000     .000000     .000000     .000000    0.072588     .000000
REACTNS  -76.415478     .000000    4063.794  487655.299 -933113.714    9169.857
CONSTRS    0.540605     .000000     .000000     .000000    1248.930  -64.872611

  TOTAL    0.789753     .000000    0.398415   47.809810 -380.183596  -94.770394

MODE      31 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
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```
INERTIA  102.966021     .000000   -2381.024 -285722.859  1.6695E+06  -12355.923
SPRINGS     .000000     .000000     .000000     .000000   -0.123093     .000000
REACTNS -103.960917     .000000    2373.147  284777.688 -1.6657E+06   12475.310
CONSTRS    0.103151     .000000     .000000     .000000  144.768793  -12.378087

  TOTAL   -0.891745     .000000   -7.876419 -945.170244    4005.097  107.009386

MODE      32 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    2342.360     .000000  262.671001   31520.520   45814.879 -281083.160
SPRINGS     .000000     .000000     .000000     .000000    0.020833     .000000
REACTNS   -2344.680     .000000 -258.301443  -30996.173  -61055.575  281361.639
CONSTRS    0.075055     .000000     .000000     .000000   15752.496   -9.006580

  TOTAL   -2.245607     .000000    4.369558  524.346958  511.820500  269.472870

MODE      33 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    1473.594     .000000    3797.880  455745.629 -894031.423 -176831.309
SPRINGS     .000000     .000000     .000000     .000000   -0.010314     .000000
REACTNS   -1475.578     .000000   -3798.277 -455793.192  910584.787  177069.387
CONSTRS    0.781509     .000000     .000000     .000000  -16199.690  -93.781025

  TOTAL   -1.202469     .000000   -0.396351  -47.562083  353.663398  144.296321

MODE      34 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   32.164508     .000000   -7180.419 -861650.258  2.5331E+06   -3859.741
SPRINGS     .000000     .000000     .000000     .000000    0.005887     .000000
REACTNS  -28.393798     .000000    7186.457  862374.841 -2.5349E+06    3407.256
CONSTRS    2.240063     .000000     .000000     .000000    1658.152 -268.807545

  TOTAL    6.010773     .000000    6.038192  724.583044 -144.477353 -721.292781

MODE      35 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  113.844487     .000000  296.074276   35528.913  416631.643  -13661.338
SPRINGS     .000000     .000000     .000000     .000000    0.117307     .000000
REACTNS -114.529403     .000000 -292.685478  -35122.257 -419109.636   13743.528
CONSTRS   -0.332272     .000000     .000000     .000000  469.726281   39.872662

  TOTAL   -1.017188     .000000    3.388798  406.655808   -2008.149  122.062557

MODE      36 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  616.436183     .000000   -9369.692 -1.1244E+06  3.6706E+06  -73972.342
SPRINGS     .000000     .000000     .000000     .000000    0.018393     .000000
REACTNS -611.624085     .000000    9367.243  1.1241E+06 -3.6725E+06   73394.890
CONSTRS    2.431009     .000000     .000000     .000000    5104.847 -291.721030

  TOTAL    7.243107     .000000   -2.448690 -293.842854    3183.728 -869.172861

MODE      37 ------------------
```

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-821.451518	.000000	-1390.802	-166896.285	-71041.279	98574.182
SPRINGS	.000000	.000000	.000000	.000000	-0.077105	.000000
REACTNS	815.642450	.000000	1383.401	166008.175	83441.544	-97877.094
CONSTRS	-3.685663	.000000	.000000	.000000	-12305.369	442.279506
TOTAL	-9.494730	.000000	-7.400913	-888.109579	94.818573	1139.368

MODE 38 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-7939.067	.000000	12804.885	1.5366E+06	-8.9964E+06	952688.069
SPRINGS	.000000	.000000	.000000	.000000	-0.000854	.000000
REACTNS	7939.811	.000000	-12801.526	-1.5362E+06	9.0186E+06	-952777.285
CONSTRS	1.507591	.000000	.000000	.000000	-21066.839	-180.910957
TOTAL	2.251058	.000000	3.358947	403.073686	1124.677	-270.126901

MODE 39 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	2713.807	.000000	44652.921	5.3584E+06	-1.4563E+07	-325656.796
SPRINGS	.000000	.000000	.000000	.000000	0.011464	.000000
REACTNS	-2709.001	.000000	-44651.182	-5.3581E+06	1.4555E+07	325080.112
CONSTRS	4.659902	.000000	.000000	.000000	10333.977	-559.188220
TOTAL	9.465601	.000000	1.739052	208.686297	2982.145	-1135.872

MODE 40 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-1490.590	.000000	27377.844	3.2853E+06	-9.7495E+06	178870.773
SPRINGS	.000000	.000000	.000000	.000000	-0.007691	.000000
REACTNS	1483.110	.000000	-27379.182	-3.2855E+06	9.7536E+06	-177973.228
CONSTRS	-0.090030	.000000	.000000	.000000	-3874.929	10.803554
TOTAL	-7.569570	.000000	-1.338412	-160.609411	177.162158	908.348400

MODE 41 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-5753.338	.000000	-882.667330	-105920.080	-5.5529E+06	690400.542
SPRINGS	.000000	.000000	.000000	.000000	0.067092	.000000
REACTNS	5755.161	.000000	895.487836	107458.540	5.5650E+06	-690619.323
CONSTRS	5.755986	.000000	.000000	.000000	-13851.908	-690.718334
TOTAL	7.579157	.000000	12.820505	1538.461	-1736.575	-909.498899

MODE 42 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	793.505982	.000000	-3169.903	-380388.416	2.2717E+06	-95220.718
SPRINGS	.000000	.000000	.000000	.000000	-0.041640	.000000
REACTNS	-788.796461	.000000	3179.054	381486.457	-2.2766E+06	94655.575
CONSTRS	-1.115504	.000000	.000000	.000000	372.653437	133.860425

```
  TOTAL    3.594017     .000000    9.150341    1098.041   -4568.173 -431.282046

MODE      43 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  589.700887     .000000    2910.533  349263.957   82760.273  -70764.106
SPRINGS     .000000     .000000     .000000     .000000   -0.042689     .000000
REACTNS -589.653635     .000000   -2913.414 -349609.671  -81555.030   70758.436
CONSTRS    0.262138     .000000     .000000     .000000  474.394451  -31.456505

  TOTAL    0.309390     .000000   -2.880948 -345.713775    1679.594  -37.126773

MODE      44 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    2309.536     .000000    5236.605  628392.564  840908.805 -277144.269
SPRINGS     .000000     .000000     .000000     .000000    0.016278     .000000
REACTNS   -2312.540     .000000   -5251.881 -630225.743 -887210.192  277504.753
CONSTRS    1.653188     .000000     .000000     .000000   53739.763 -198.382552

  TOTAL   -1.350846     .000000  -15.276490   -1833.179    7438.392  162.101555

MODE      45 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -6571.863     .000000   -9393.275 -1.1272E+06  2.7187E+06  788623.528
SPRINGS     .000000     .000000     .000000     .000000    0.018096     .000000
REACTNS    6571.614     .000000    9377.814  1.1253E+06 -2.7246E+06 -788593.687
CONSTRS    4.544481     .000000     .000000     .000000   12393.773 -545.337671

  TOTAL    4.295803     .000000  -15.460255   -1855.231    6436.549 -515.496348

MODE      46 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  553.363345     .000000    1393.699  167243.889 -2.7514E+06  -66403.601
SPRINGS     .000000     .000000     .000000     .000000   -0.020344     .000000
REACTNS -555.693339     .000000   -1414.921 -169790.463  2.9128E+06   66683.201
CONSTRS    0.504450     .000000     .000000     .000000 -153323.555  -60.534058

  TOTAL   -1.825544     .000000  -21.221446   -2546.574    8119.999  219.065245

MODE      47 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -1491.548     .000000   -2848.055 -341766.600  900102.966  178985.737
SPRINGS     .000000     .000000     .000000     .000000    0.000828     .000000
REACTNS    1491.770     .000000    2817.824  338138.826 -879037.702 -179012.383
CONSTRS   -2.111472     .000000     .000000     .000000   -7894.721  253.376608

  TOTAL   -1.889418     .000000  -30.231454   -3627.774   13170.544  226.730172

MODE      48 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    4849.064     .000000    4584.471  550136.492 -1.5336E+06 -581887.703
SPRINGS     .000000     .000000     .000000     .000000   -0.032944     .000000
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REACTNS   -4845.559     .000000   -4650.922 -558110.582  1.5400E+06  581467.105
CONSTRS   -4.340816     .000000     .000000     .000000   20774.475  520.897903

  TOTAL   -0.835834     .000000  -66.450755   -7974.091   27197.660  100.300126

MODE      49 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -2761.943     .000000    2399.653  287958.401 -1.8877E+06  331433.149
SPRINGS     .000000     .000000     .000000     .000000   -0.008507     .000000
REACTNS    2761.850     .000000   -2399.373 -287924.700  1.8553E+06 -331421.973
CONSTRS   -0.617681     .000000     .000000     .000000   32667.552   74.121660

  TOTAL   -0.710819     .000000    0.280840   33.700859  275.766095   85.298222

MODE      50 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    1164.373     .000000   -3115.956 -373914.727  699029.945 -139724.773
SPRINGS     .000000     .000000     .000000     .000000   -0.028471     .000000
REACTNS   -1161.762     .000000    3105.658  372678.932 -714019.259  139411.387
CONSTRS   -0.708857     .000000     .000000     .000000   22333.540   85.062827

  TOTAL    1.902699     .000000  -10.298290   -1235.795    7344.197 -228.323928

MODE      51 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    1106.454     .000000  238.758223   28650.987  -48993.340 -132774.496
SPRINGS     .000000     .000000     .000000     .000000   -0.009047     .000000
REACTNS   -1101.638     .000000 -228.465429  -27415.851   65273.270  132196.571
CONSTRS    2.287428     .000000     .000000     .000000  -15541.156 -274.491355

  TOTAL    7.103468     .000000   10.292795    1235.135  738.764072 -852.416132

MODE      52 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -621.534301     .000000 -128.869275  -15464.313 -184572.717   74584.116
SPRINGS     .000000     .000000     .000000     .000000   -0.030599     .000000
REACTNS  620.833357     .000000  147.917665   17750.120  219311.055  -74500.003
CONSTRS   -1.155224     .000000     .000000     .000000  -45325.659  138.626893

  TOTAL   -1.856168     .000000   19.048390    2285.807  -10587.352  222.740130

MODE      53 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  988.627189     .000000 -360.244337  -43229.320  162807.235 -118635.263
SPRINGS     .000000     .000000     .000000     .000000   -0.000123     .000000
REACTNS -986.948494     .000000  314.096348   37691.562 -133903.400  118433.819
CONSTRS   -8.677616     .000000     .000000     .000000   -7860.075    1041.314

  TOTAL   -6.998921     .000000  -46.147989   -5537.759   21043.761  839.870467

MODE      54 ------------------

                 FX          FY          FZ          MX          MY          MZ
```

APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-1467.192	.000000	-383.320628	-45998.475	24901.038	176063.050
SPRINGS	.000000	.000000	.000000	.000000	-0.024255	.000000
REACTNS	1464.463	.000000	325.812627	39097.515	55970.608	-175735.603
CONSTRS	-4.759988	.000000	.000000	.000000	-54403.429	571.198512
TOTAL	-7.488710	.000000	-57.508001	-6900.960	26468.192	898.645213

MODE 55 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	2728.088	.000000	4068.645	488237.366	-1.0902E+06	-327370.559
SPRINGS	.000000	.000000	.000000	.000000	0.084497	.000000
REACTNS	-2726.252	.000000	-4025.784	-483094.063	928243.668	327150.284
CONSTRS	-12.495298	.000000	.000000	.000000	126428.904	1499.436
TOTAL	-10.659675	.000000	42.860858	5143.303	-35483.311	1279.161

MODE 56 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	630.794919	.000000	11581.577	1.3898E+06	-3.8225E+06	-75695.390
SPRINGS	.000000	.000000	.000000	.000000	0.001025	.000000
REACTNS	-634.678715	.000000	-11588.889	-1.3907E+06	3.7572E+06	76161.446
CONSTRS	11.031630	.000000	.000000	.000000	70362.906	-1323.796
TOTAL	7.147834	.000000	-7.312722	-877.526686	5008.620	-857.740095

MODE 57 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-3389.866	.000000	1067.448	128093.780	636545.792	406783.935
SPRINGS	.000000	.000000	.000000	.000000	0.199878	.000000
REACTNS	3388.562	.000000	-1039.523	-124742.738	-550422.281	-406627.430
CONSTRS	-2.496035	.000000	.000000	.000000	-111830.331	299.524172
TOTAL	-3.800246	.000000	27.925347	3351.042	-25706.620	456.029532

MODE 58 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-4005.059	.000000	1744.292	209314.981	-792333.159	480607.048
SPRINGS	.000000	.000000	.000000	.000000	-0.210095	.000000
REACTNS	4006.131	.000000	-1776.792	-213215.040	826661.109	-480735.693
CONSTRS	16.834642	.000000	.000000	.000000	-13575.762	-2020.157
TOTAL	17.906685	.000000	-32.500494	-3900.059	20751.979	-2148.802

MODE 59 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	4707.494	.000000	-154.547987	-18545.758	-714495.589	-564899.307
SPRINGS	.000000	.000000	.000000	.000000	0.006085	.000000
REACTNS	-4706.030	.000000	135.989106	16318.693	669095.629	564723.570
CONSTRS	1.449799	.000000	.000000	.000000	52262.876	-173.975861
TOTAL	2.914275	.000000	-18.558881	-2227.066	6862.922	-349.712996

MODE 60 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	134.093120	.000000	-1039.001	-124680.090	1.4462E+06	-16091.174
SPRINGS	.000000	.000000	.000000	.000000	-0.054670	.000000
REACTNS	-133.016714	.000000	1066.832	128019.785	-1.4655E+06	15962.006
CONSTRS	-9.064827	.000000	.000000	.000000	13049.037	1087.779
TOTAL	-7.988420	.000000	27.830793	3339.695	-6254.513	958.610411

MODE 61 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-1636.041	.000000	7037.609	844513.062	-1.8482E+06	196324.872
SPRINGS	.000000	.000000	.000000	.000000	-0.006599	.000000
REACTNS	1641.365	.000000	-7041.568	-844988.200	1.8393E+06	-196963.769
CONSTRS	-21.125187	.000000	.000000	.000000	-11543.589	2535.022
TOTAL	-15.801051	.000000	-3.959482	-475.137863	-20411.889	1896.126

MODE 62 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	548.089608	.000000	5978.859	717463.094	-4.2557E+06	-65770.753
SPRINGS	.000000	.000000	.000000	.000000	-0.029651	.000000
REACTNS	-547.066848	.000000	-5982.973	-717956.705	4.2942E+06	65648.022
CONSTRS	3.811814	.000000	.000000	.000000	-36269.441	-457.417710
TOTAL	4.834574	.000000	-4.113427	-493.611235	2238.254	-580.148853

MODE 63 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-263.922402	.000000	-4580.805	-549696.552	510703.833	31670.688
SPRINGS	.000000	.000000	.000000	.000000	0.002787	.000000
REACTNS	264.068600	.000000	4551.521	546182.472	-516840.998	-31688.232
CONSTRS	-29.985842	.000000	.000000	.000000	-14376.229	3598.301
TOTAL	-29.839644	.000000	-29.283996	-3514.080	-20513.392	3580.757

MODE 64 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-4220.935	.000000	-2155.083	-258609.999	2.5993E+06	506512.224
SPRINGS	.000000	.000000	.000000	.000000	0.034143	.000000
REACTNS	4215.390	.000000	2137.616	256513.979	-2.6321E+06	-505846.750
CONSTRS	14.850061	.000000	.000000	.000000	55670.147	-1782.007
TOTAL	9.304447	.000000	-17.466831	-2096.020	22877.364	-1116.534

MODE 65 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-1588.128	.000000	6582.202	789864.181	-5.1678E+06	190575.382
SPRINGS	.000000	.000000	.000000	.000000	-0.000851	.000000
REACTNS	1589.587	.000000	-6571.138	-788536.544	5.2611E+06	-190750.488
CONSTRS	-48.209717	.000000	.000000	.000000	-147453.917	5785.166

```
  TOTAL  -46.750500     .000000   11.063645    1327.637  -54161.341    5610.060

MODE      66 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  -25053.896     .000000    9163.099  1.0996E+06 -2.7324E+07  3.0065E+06
SPRINGS     .000000     .000000     .000000     .000000    0.031265     .000000
REACTNS   35390.465     .000000   -5714.732 -685767.782  3.5089E+07 -4.2469E+06
CONSTRS  387.231739     .000000     .000000     .000000  198726.009  -46467.809

  TOTAL   10723.800     .000000    3448.367  413804.087  7.9630E+06 -1.2869E+06

MODE      67 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   39.916688     .000000 -237516.120 -2.8502E+07  9.3703E+07   -4790.003
SPRINGS     .000000     .000000     .000000     .000000   -0.005349     .000000
REACTNS  835.057901     .000000  383389.361  4.6007E+07 -1.3867E+08 -100206.948
CONSTRS  355.698628     .000000     .000000     .000000  238559.365  -42683.835

  TOTAL    1230.673     .000000  145873.241  1.7505E+07 -4.4730E+07 -147680.786

SPEC   HORIZ ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    7064.103     .000000  220.305404   26436.649  3.9576E+06  847692.405
SPRINGS     .000000     .000000     .000000     .000000    0.008310     .000000
REACTNS    7063.875     .000000  220.179588   26421.551  3.9306E+06  847665.012
CONSTRS    0.082749     .000000     .000000     .000000   27103.018    9.929927

  TOTAL    2.146012     .000000    1.406356  168.762694    1654.917  257.521442

COMBDEADLOAD ------------------ MAX

                 FX          FY          FZ          MX          MY          MZ
APPLIED    5.38E-15    5.67E-31   40731.617  4.8878E+06  1.4721E+07    6.46E-13
INERTIA     .000000     .000000     .000000     .000000     .000000     .000000
SPRINGS     .000000     .000000     .000000     .000000    0.001382     .000000
REACTNS    9.48E-12    6.63E-31   40731.617  4.8878E+06  1.4721E+07    1.13E-09
CONSTRS    4.69E-13     .000000     .000000     .000000  304.989358    5.66E-11

  TOTAL    9.57E-12    1.23E-30    1.98E-11    2.43E-09    4.78E-09    1.15E-09

COMBDEADLOAD ------------------ MIN

                 FX          FY          FZ          MX          MY          MZ
APPLIED   -5.38E-15   -5.67E-31  -40731.617 -4.8878E+06 -1.4721E+07   -6.46E-13
INERTIA     .000000     .000000     .000000     .000000     .000000     .000000
SPRINGS     .000000     .000000     .000000     .000000   -0.001382     .000000
REACTNS   -9.48E-12   -6.63E-31  -40731.617 -4.8878E+06 -1.4721E+07   -1.13E-09
CONSTRS   -4.69E-13     .000000     .000000     .000000 -304.989358   -5.66E-11

  TOTAL   -9.57E-12   -1.23E-30   -1.98E-11   -2.43E-09   -4.78E-09   -1.15E-09

COMB  DLSEIS ------------------ MAX

                 FX          FY          FZ          MX          MY          MZ
APPLIED    5.38E-15    5.67E-31   40731.617  4.8878E+06  1.4721E+07    6.46E-13
INERTIA     .000000     .000000     .000000     .000000     .000000     .000000
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SPRINGS     .000000     .000000     .000000     .000000    0.001382     .000000
REACTNS    9.48E-12    6.63E-31   40731.617  4.8878E+06  1.4721E+07    1.13E-09
CONSTRS    4.69E-13     .000000     .000000     .000000  304.989358    5.66E-11

  TOTAL    9.57E-12    1.23E-30    1.98E-11    2.43E-09    4.78E-09    1.15E-09

COMB  DLSEIS ------------------ MIN

                FX          FY          FZ          MX          MY          MZ
APPLIED   -5.38E-15   -5.67E-31  -40731.617 -4.8878E+06 -1.4721E+07   -6.46E-13
INERTIA     .000000     .000000     .000000     .000000     .000000     .000000
SPRINGS     .000000     .000000     .000000     .000000   -0.001382     .000000
REACTNS   -9.48E-12   -6.63E-31  -40731.617 -4.8878E+06 -1.4721E+07   -1.13E-09
CONSTRS   -4.69E-13     .000000     .000000     .000000 -304.989358   -5.66E-11

  TOTAL   -9.57E-12   -1.23E-30   -1.98E-11   -2.43E-09   -4.78E-09   -1.15E-09


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F R A M E   E L E M E N T   I N T E R N A L   F O R C E S

ELEM       1 ================== LENGTH =   91.522018

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   45.900219     .000000     .000000     .000000     .000000     .000000
0.50000   45.900219     .000000     .000000     .000000     .000000     .000000
1.00000   45.900219     .000000     .000000     .000000     .000000     .000000

ELEM       2 ================== LENGTH =    6.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  154.035841   10.500990    1.49E-16     .000000     .000000     .000000
0.25000  154.035841   10.500990    1.49E-16     .000000    2.24E-16   15.751485
0.50000  154.035841   10.500990    1.49E-16     .000000    4.48E-16   31.502970
0.75000  154.035841   10.500990    1.49E-16     .000000    6.72E-16   47.254455
1.00000  154.035841   10.500990    1.49E-16     .000000    8.96E-16   63.005940

ELEM       3 ================== LENGTH =   35.588312

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  100.514979     .000000     .000000     .000000     .000000     .000000
0.50000  100.514979     .000000     .000000     .000000     .000000     .000000
1.00000  100.514979     .000000     .000000     .000000     .000000     .000000

ELEM       4 ================== LENGTH =   49.604034

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  109.463578     .000000     .000000     .000000     .000000     .000000
0.50000  109.463578     .000000     .000000     .000000     .000000     .000000
1.00000  109.463578     .000000     .000000     .000000     .000000     .000000

ELEM       5 ================== LENGTH =   24.000000
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SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  166.426919    6.969187    7.22E-17     .000000    4.59E-16   63.006186
0.25000  166.426919    6.969187    7.22E-17     .000000    8.82E-16  104.079090
0.50000  166.426919    6.969187    7.22E-17     .000000    1.31E-15  145.575216
0.75000  166.426919    6.969187    7.22E-17     .000000    1.74E-15  187.213350
1.00000  166.426919    6.969187    7.22E-17     .000000    2.17E-15  228.916016

ELEM       6 ================== LENGTH =   94.625000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  139.717981     .000000     .000000     .000000     .000000     .000000
0.25000  139.717981     .000000     .000000     .000000     .000000     .000000
0.50000  139.717981     .000000     .000000     .000000     .000000     .000000
0.75000  139.717981     .000000     .000000     .000000     .000000     .000000
1.00000  139.717981     .000000     .000000     .000000     .000000     .000000

ELEM       7 ================== LENGTH =   49.604034

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  115.986445     .000000     .000000     .000000     .000000     .000000
0.50000  115.986445     .000000     .000000     .000000     .000000     .000000
1.00000  115.986445     .000000     .000000     .000000     .000000     .000000

ELEM       8 ================== LENGTH =    4.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   27.186579    4.728300    1.51E-16     .000000     .000000     .000000
0.25000   27.186579    4.728300    1.51E-16     .000000    1.51E-16    4.728300
0.50000   27.186579    4.728300    1.51E-16     .000000    3.03E-16    9.456599
0.75000   27.186579    4.728300    1.51E-16     .000000    4.54E-16   14.184899
1.00000   27.186579    4.728300    1.51E-16     .000000    6.06E-16   18.913199

ELEM       9 ================== LENGTH =   49.604034

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  125.132575     .000000     .000000     .000000     .000000     .000000
0.50000  125.132575     .000000     .000000     .000000     .000000     .000000
1.00000  125.132575     .000000     .000000     .000000     .000000     .000000

ELEM      10 ================== LENGTH =   62.562000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   30.304055     .000000     .000000     .000000     .000000     .000000
0.25000   30.304055     .000000     .000000     .000000     .000000     .000000
0.50000   30.304055     .000000     .000000     .000000     .000000     .000000
0.75000   30.304055     .000000     .000000     .000000     .000000     .000000
1.00000   30.304055     .000000     .000000     .000000     .000000     .000000

ELEM      11 ================== LENGTH =   24.000000
```

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	187.599153	3.080754	3.19E-17	.000000	2.11E-15	228.916285
0.25000	187.599153	3.080754	3.19E-17	.000000	1.92E-15	210.729271
0.50000	187.599153	3.080754	3.19E-17	.000000	1.73E-15	192.598914
0.75000	187.599153	3.080754	3.19E-17	.000000	1.55E-15	174.542867
1.00000	187.599153	3.080754	3.19E-17	.000000	1.36E-15	156.586841

ELEM 12 ========== LENGTH = 50.049600

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	29.974857	.000000	.000000	.000000	.000000	.000000
0.25000	29.974857	.000000	.000000	.000000	.000000	.000000
0.50000	29.974857	.000000	.000000	.000000	.000000	.000000
0.75000	29.974857	.000000	.000000	.000000	.000000	.000000
1.00000	29.974857	.000000	.000000	.000000	.000000	.000000

ELEM 13 ========== LENGTH = 49.604034

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	128.423133	.000000	.000000	.000000	.000000	.000000
0.50000	128.423133	.000000	.000000	.000000	.000000	.000000
1.00000	128.423133	.000000	.000000	.000000	.000000	.000000

ELEM 14 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	42.248275	0.775824	1.82E-17	.000000	4.13E-16	18.913371
0.25000	42.248275	0.775824	1.82E-17	.000000	4.92E-16	22.312714
0.50000	42.248275	0.775824	1.82E-17	.000000	5.81E-16	26.102411
0.75000	42.248275	0.775824	1.82E-17	.000000	6.75E-16	30.135552
1.00000	42.248275	0.775824	1.82E-17	.000000	7.74E-16	34.326435

ELEM 15 ========== LENGTH = 25.024800

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	21.999584	.000000	.000000	.000000	.000000	.000000
0.25000	21.999584	.000000	.000000	.000000	.000000	.000000
0.50000	21.999584	.000000	.000000	.000000	.000000	.000000
0.75000	21.999584	.000000	.000000	.000000	.000000	.000000
1.00000	21.999584	.000000	.000000	.000000	.000000	.000000

ELEM 16 ========== LENGTH = 4.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	19.724839	1.026778	3.29E-17	.000000	.000000	.000000
0.25000	19.724839	1.026778	3.29E-17	.000000	3.29E-17	1.026778
0.50000	19.724839	1.026778	3.29E-17	.000000	6.57E-17	2.053556
0.75000	19.724839	1.026778	3.29E-17	.000000	9.86E-17	3.080334
1.00000	19.724839	1.026778	3.29E-17	.000000	1.31E-16	4.107112

ELEM 17 ========== LENGTH = 49.604034

```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  131.459374     .000000     .000000     .000000     .000000     .000000
0.50000  131.459374     .000000     .000000     .000000     .000000     .000000
1.00000  131.459374     .000000     .000000     .000000     .000000     .000000

ELEM      18 ================== LENGTH =   17.539000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  206.024301    8.927946    8.61E-17     .000000    1.51E-15  156.587247
0.25000  206.024301    8.927946    8.61E-17     .000000    1.13E-15  117.440435
0.50000  206.024301    8.927946    8.61E-17     .000000    7.55E-16   78.293623
0.75000  206.024301    8.927946    8.61E-17     .000000    3.78E-16   39.146812
1.00000  206.024301    8.927946    8.61E-17     .000000    3.07E-30    4.79E-13

ELEM      19 ================== LENGTH =    8.512400

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   29.412359    0.482528    1.19E-17     .000000    1.01E-16    4.107474
0.25000   29.412359    0.482528    1.19E-17     .000000    7.57E-17    3.080606
0.50000   29.412359    0.482528    1.19E-17     .000000    5.05E-17    2.053737
0.75000   29.412359    0.482528    1.19E-17     .000000    2.52E-17    1.026869
1.00000   29.412359    0.482528    1.19E-17     .000000    1.81E-30    2.44E-13

ELEM      20 ================== LENGTH =    9.537200

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   67.905202    3.599238    8.68E-17     .000000    8.28E-16   34.326650
0.25000   67.905202    3.599238    8.68E-17     .000000    6.21E-16   25.744988
0.50000   67.905202    3.599238    8.68E-17     .000000    4.14E-16   17.163325
0.75000   67.905202    3.599238    8.68E-17     .000000    2.07E-16    8.581663
1.00000   67.905202    3.599238    8.68E-17     .000000    3.28E-30    3.66E-13

ELEM      21 ================== LENGTH =   15.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  912.589698     .000000     .000000     .000000     .000000     .000000
0.50000  912.589698     .000000     .000000     .000000     .000000     .000000
1.00000  912.589698     .000000     .000000     .000000     .000000     .000000

ELEM      22 ================== LENGTH =   32.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  912.547875  277.387227     .000000     .000000     .000000     .000000
0.50000  912.547875  277.387227     .000000     .000000     .000000    4542.216
1.00000  912.547875  277.387227     .000000     .000000     .000000    9084.432

ELEM      23 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000  947.278773  189.259014     .000000     .000000     .000000    9084.433
0.50000  947.278773  189.259014     .000000     .000000     .000000    4542.216
1.00000  947.278773  189.259014     .000000     .000000     .000000    1.51E-12

ELEM      24 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  951.926571     .000000     .000000     .000000     .000000     .000000
0.50000  951.926571     .000000     .000000     .000000     .000000     .000000
1.00000  951.926571     .000000     .000000     .000000     .000000     .000000

ELEM      25 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  867.000980     .000000     .000000     .000000     .000000     .000000
0.50000  867.000980     .000000     .000000     .000000     .000000     .000000
1.00000  867.000980     .000000     .000000     .000000     .000000     .000000

ELEM      26 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  842.212913     .000000     .000000     .000000     .000000     .000000
0.50000  842.212913     .000000     .000000     .000000     .000000     .000000
1.00000  842.212913     .000000     .000000     .000000     .000000     .000000

ELEM      27 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  841.026372     .000000     .000000     .000000     .000000     .000000
0.50000  841.026372     .000000     .000000     .000000     .000000     .000000
1.00000  841.026372     .000000     .000000     .000000     .000000     .000000

ELEM      28 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  803.902385     .000000     .000000     .000000     .000000     .000000
0.50000  803.902385     .000000     .000000     .000000     .000000     .000000
1.00000  803.902385     .000000     .000000     .000000     .000000     .000000

ELEM      29 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  802.089664     .000000     .000000     .000000     .000000     .000000
0.50000  802.089664     .000000     .000000     .000000     .000000     .000000
1.00000  802.089664     .000000     .000000     .000000     .000000     .000000

ELEM      30 ================== LENGTH =   34.437500

SPEC   HORIZ ------------------
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	586.760235	.000000	.000000	.000000	.000000	.000000
0.50000	586.760235	.000000	.000000	.000000	.000000	.000000
1.00000	586.760235	.000000	.000000	.000000	.000000	.000000

ELEM 31 ========== LENGTH = 88.562500

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	36.538825	.000000	.000000	.000000	.000000	.000000
0.50000	36.538825	.000000	.000000	.000000	.000000	.000000
1.00000	36.538825	.000000	.000000	.000000	.000000	.000000

ELEM 32 ========== LENGTH = 15.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	204.677096	1.146807	2.64E-17	.000000	.000000	.000000
0.25000	204.677096	1.146807	2.64E-17	.000000	9.90E-17	4.300526
0.50000	204.677096	1.146807	2.64E-17	.000000	1.98E-16	8.601053
0.75000	204.677096	1.146807	2.64E-17	.000000	2.97E-16	12.901579
1.00000	204.677096	1.146807	2.64E-17	.000000	3.96E-16	17.202106

ELEM 33 ========== LENGTH = 6.461000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	195.471369	4.459767	6.03E-17	.000000	.000000	.000000
0.25000	195.471369	4.459767	6.03E-17	.000000	9.75E-17	7.203639
0.50000	195.471369	4.459767	6.03E-17	.000000	1.95E-16	14.407278
0.75000	195.471369	4.459767	6.03E-17	.000000	2.92E-16	21.610917
1.00000	195.471369	4.459767	6.03E-17	.000000	3.90E-16	28.814556

ELEM 34 ========== LENGTH = 15.487600

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	108.808403	2.161961	4.96E-17	.000000	.000000	.000000
0.25000	108.808403	2.161961	4.96E-17	.000000	1.92E-16	8.370898
0.50000	108.808403	2.161961	4.96E-17	.000000	3.84E-16	16.741797
0.75000	108.808403	2.161961	4.96E-17	.000000	5.77E-16	25.112695
1.00000	108.808403	2.161961	4.96E-17	.000000	7.69E-16	33.483594

ELEM 35 ========== LENGTH = 14.462800

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	173.740555	2.439473	5.63E-17	.000000	.000000	.000000
0.25000	173.740555	2.439473	5.63E-17	.000000	2.03E-16	8.820401
0.50000	173.740555	2.439473	5.63E-17	.000000	4.07E-16	17.640802
0.75000	173.740555	2.439473	5.63E-17	.000000	6.10E-16	26.461204
1.00000	173.740555	2.439473	5.63E-17	.000000	8.14E-16	35.281605

ELEM 36 ========== LENGTH = 36.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3

```
0.00000  295.642168    0.130150    2.91E-18     .000000     .000000     .000000
0.25000  295.642168    0.130150    2.91E-18     .000000    2.62E-17    1.171351
0.50000  295.642168    0.130150    2.91E-18     .000000    5.24E-17    2.342701
0.75000  295.642168    0.130150    2.91E-18     .000000    7.86E-17    3.514052
1.00000  295.642168    0.130150    2.91E-18     .000000    1.05E-16    4.685402

ELEM      37 ================== LENGTH =   39.905978

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  502.876327     .000000     .000000     .000000     .000000     .000000
0.50000  502.876327     .000000     .000000     .000000     .000000     .000000
1.00000  502.876327     .000000     .000000     .000000     .000000     .000000

ELEM      38 ================== LENGTH =   39.905935

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1214.350     .000000     .000000     .000000     .000000     .000000
0.50000    1214.350     .000000     .000000     .000000     .000000     .000000
1.00000    1214.350     .000000     .000000     .000000     .000000     .000000

ELEM      39 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  207.599542    0.669155    1.57E-17     .000000    3.77E-16   17.202029
0.25000  207.599542    0.669155    1.57E-17     .000000    4.41E-16   19.961811
0.50000  207.599542    0.669155    1.57E-17     .000000    5.14E-16   23.092798
0.75000  207.599542    0.669155    1.57E-17     .000000    5.93E-16   26.463562
1.00000  207.599542    0.669155    1.57E-17     .000000    6.76E-16   29.993370

ELEM      40 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  177.244615    1.975745    2.05E-17     .000000    2.30E-16   28.814583
0.25000  177.244615    1.975745    2.05E-17     .000000    3.46E-16   40.066536
0.50000  177.244615    1.975745    2.05E-17     .000000    4.65E-16   51.589062
0.75000  177.244615    1.975745    2.05E-17     .000000    5.85E-16   63.234423
1.00000  177.244615    1.975745    2.05E-17     .000000    7.07E-16   74.945382

ELEM      41 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  125.372183    1.498483    3.51E-17     .000000    7.48E-16   33.483499
0.25000  125.372183    1.498483    3.51E-17     .000000    7.44E-16   33.497895
0.50000  125.372183    1.498483    3.51E-17     .000000    7.97E-16   35.843350
0.75000  125.372183    1.498483    3.51E-17     .000000    8.98E-16   40.113029
1.00000  125.372183    1.498483    3.51E-17     .000000    1.03E-15   45.771573

ELEM      42 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  196.002802    1.674513    3.92E-17     .000000    7.70E-16   35.281463
```

0.25000	196.002802	1.674513	3.92E-17	.000000	9.32E-16	42.321281
0.50000	196.002802	1.674513	3.92E-17	.000000	1.12E-15	50.391344
0.75000	196.002802	1.674513	3.92E-17	.000000	1.32E-15	59.070906
1.00000	196.002802	1.674513	3.92E-17	.000000	1.54E-15	68.127409

ELEM 43 ========== LENGTH = 79.098436

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	523.667082	.000000	.000000	.000000	.000000	.000000
0.50000	523.667082	.000000	.000000	.000000	.000000	.000000
1.00000	523.667082	.000000	.000000	.000000	.000000	.000000

ELEM 44 ========== LENGTH = 120.400374

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	5901.660	.000000	.000000	.000000	.000000	.000000
0.50000	5901.660	.000000	.000000	.000000	.000000	.000000
1.00000	5901.660	.000000	.000000	.000000	.000000	.000000

ELEM 45 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	39.094904	.000000	.000000	.000000	.000000	.000000
0.25000	39.094904	.000000	.000000	.000000	.000000	.000000
0.50000	39.094904	.000000	.000000	.000000	.000000	.000000
0.75000	39.094904	.000000	.000000	.000000	.000000	.000000
1.00000	39.094904	.000000	.000000	.000000	.000000	.000000

ELEM 46 ========== LENGTH = 86.533231

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	54.610499	.000000	.000000	.000000	.000000	.000000
0.50000	54.610499	.000000	.000000	.000000	.000000	.000000
1.00000	54.610499	.000000	.000000	.000000	.000000	.000000

ELEM 47 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	37.249155	.000000	.000000	.000000	.000000	.000000
0.25000	37.249155	.000000	.000000	.000000	.000000	.000000
0.50000	37.249155	.000000	.000000	.000000	.000000	.000000
0.75000	37.249155	.000000	.000000	.000000	.000000	.000000
1.00000	37.249155	.000000	.000000	.000000	.000000	.000000

ELEM 48 ========== LENGTH = 86.533231

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	74.183842	.000000	.000000	.000000	.000000	.000000
0.50000	74.183842	.000000	.000000	.000000	.000000	.000000
1.00000	74.183842	.000000	.000000	.000000	.000000	.000000

ELEM 49 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	41.762331	.000000	.000000	.000000	.000000	.000000
0.25000	41.762331	.000000	.000000	.000000	.000000	.000000
0.50000	41.762331	.000000	.000000	.000000	.000000	.000000
0.75000	41.762331	.000000	.000000	.000000	.000000	.000000
1.00000	41.762331	.000000	.000000	.000000	.000000	.000000

ELEM 50 ========== LENGTH = 86.533231

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	99.320971	.000000	.000000	.000000	.000000	.000000
0.50000	99.320971	.000000	.000000	.000000	.000000	.000000
1.00000	99.320971	.000000	.000000	.000000	.000000	.000000

ELEM 51 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	56.251091	.000000	.000000	.000000	.000000	.000000
0.25000	56.251091	.000000	.000000	.000000	.000000	.000000
0.50000	56.251091	.000000	.000000	.000000	.000000	.000000
0.75000	56.251091	.000000	.000000	.000000	.000000	.000000
1.00000	56.251091	.000000	.000000	.000000	.000000	.000000

ELEM 52 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	511.602398	.000000	.000000	.000000	.000000	.000000
0.25000	511.602398	.000000	.000000	.000000	.000000	.000000
0.50000	511.602398	.000000	.000000	.000000	.000000	.000000
0.75000	511.602398	.000000	.000000	.000000	.000000	.000000
1.00000	511.602398	.000000	.000000	.000000	.000000	.000000

ELEM 53 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	368.287415	.000000	.000000	.000000	.000000	.000000
0.25000	368.287415	.000000	.000000	.000000	.000000	.000000
0.50000	368.287415	.000000	.000000	.000000	.000000	.000000
0.75000	368.287415	.000000	.000000	.000000	.000000	.000000
1.00000	368.287415	.000000	.000000	.000000	.000000	.000000

ELEM 54 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	303.278781	0.087184	2.04E-18	.000000	1.05E-16	4.685400
0.25000	303.278781	0.087184	2.04E-18	.000000	9.46E-17	4.227869
0.50000	303.278781	0.087184	2.04E-18	.000000	8.42E-17	3.787355
0.75000	303.278781	0.087184	2.04E-18	.000000	7.45E-17	3.370538
1.00000	303.278781	0.087184	2.04E-18	.000000	6.56E-17	2.987351

ELEM 55 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	212.648681	1.016509	2.38E-17	.000000	6.80E-16	29.993350
0.25000	212.648681	1.016509	2.38E-17	.000000	5.60E-16	24.892200
0.50000	212.648681	1.016509	2.38E-17	.000000	4.53E-16	20.347952
0.75000	212.648681	1.016509	2.38E-17	.000000	3.71E-16	16.818252
1.00000	212.648681	1.016509	2.38E-17	.000000	3.33E-16	15.035459

ELEM 56 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	161.284537	0.950649	9.85E-18	.000000	6.89E-16	74.945378
0.25000	161.284537	0.950649	9.85E-18	.000000	6.35E-16	69.691973
0.50000	161.284537	0.950649	9.85E-18	.000000	5.81E-16	64.515126
0.75000	161.284537	0.950649	9.85E-18	.000000	5.29E-16	59.434844
1.00000	161.284537	0.950649	9.85E-18	.000000	4.78E-16	54.478149

ELEM 57 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	139.727019	1.262570	2.96E-17	.000000	1.03E-15	45.771530
0.25000	139.727019	1.262570	2.96E-17	.000000	8.75E-16	38.969485
0.50000	139.727019	1.262570	2.96E-17	.000000	7.23E-16	32.511267
0.75000	139.727019	1.262570	2.96E-17	.000000	5.86E-16	26.648042
1.00000	139.727019	1.262570	2.96E-17	.000000	4.77E-16	21.863846

ELEM 58 ========== LENGTH = 39.905978

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1216.668	.000000	.000000	.000000	.000000	.000000
0.50000	1216.668	.000000	.000000	.000000	.000000	.000000
1.00000	1216.668	.000000	.000000	.000000	.000000	.000000

ELEM 59 ========== LENGTH = 39.905935

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	500.513494	.000000	.000000	.000000	.000000	.000000
0.50000	500.513494	.000000	.000000	.000000	.000000	.000000
1.00000	500.513494	.000000	.000000	.000000	.000000	.000000

ELEM 60 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	218.125549	1.748388	4.10E-17	.000000	1.54E-15	68.127354
0.25000	218.125549	1.748388	4.10E-17	.000000	1.30E-15	58.062503
0.50000	218.125549	1.748388	4.10E-17	.000000	1.07E-15	48.179519
0.75000	218.125549	1.748388	4.10E-17	.000000	8.48E-16	38.618282
1.00000	218.125549	1.748388	4.10E-17	.000000	6.41E-16	29.691264

ELEM 61 ========== LENGTH = 12.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	315.531028	0.248947	5.83E-18	.000000	7.00E-17	2.987360
0.25000	315.531028	0.248947	5.83E-18	.000000	5.25E-17	2.240520
0.50000	315.531028	0.248947	5.83E-18	.000000	3.50E-17	1.493680
0.75000	315.531028	0.248947	5.83E-18	.000000	1.75E-17	0.746840
1.00000	315.531028	0.248947	5.83E-18	.000000	3.01E-31	6.89E-15

ELEM 62 ========== LENGTH = 9.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	217.105287	1.670607	4.07E-17	.000000	3.66E-16	15.035467
0.25000	217.105287	1.670607	4.07E-17	.000000	2.74E-16	11.276600
0.50000	217.105287	1.670607	4.07E-17	.000000	1.83E-16	7.517733
0.75000	217.105287	1.670607	4.07E-17	.000000	9.15E-17	3.758867
1.00000	217.105287	1.670607	4.07E-17	.000000	6.70E-30	7.69E-14

ELEM 63 ========== LENGTH = 17.539000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	145.430542	3.106115	3.00E-17	.000000	5.25E-16	54.478144
0.25000	145.430542	3.106115	3.00E-17	.000000	3.94E-16	40.858608
0.50000	145.430542	3.106115	3.00E-17	.000000	2.63E-16	27.239072
0.75000	145.430542	3.106115	3.00E-17	.000000	1.31E-16	13.619536
1.00000	145.430542	3.106115	3.00E-17	.000000	1.31E-30	1.11E-13

ELEM 64 ========== LENGTH = 8.512400

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	153.784542	2.568471	6.31E-17	.000000	5.37E-16	21.863854
0.25000	153.784542	2.568471	6.31E-17	.000000	4.03E-16	16.397891
0.50000	153.784542	2.568471	6.31E-17	.000000	2.69E-16	10.931927
0.75000	153.784542	2.568471	6.31E-17	.000000	1.34E-16	5.465964
1.00000	153.784542	2.568471	6.31E-17	.000000	4.87E-30	3.75E-13

ELEM 65 ========== LENGTH = 9.537200

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	236.706050	3.113208	7.51E-17	.000000	7.16E-16	29.691283
0.25000	236.706050	3.113208	7.51E-17	.000000	5.37E-16	22.268463
0.50000	236.706050	3.113208	7.51E-17	.000000	3.58E-16	14.845642
0.75000	236.706050	3.113208	7.51E-17	.000000	1.79E-16	7.422821
1.00000	236.706050	3.113208	7.51E-17	.000000	3.16E-30	1.17E-13

ELEM 66 ========== LENGTH = 15.750000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1046.552	.000000	.000000	.000000	.000000	.000000
0.50000	1046.552	.000000	.000000	.000000	.000000	.000000
1.00000	1046.552	.000000	.000000	.000000	.000000	.000000

```
ELEM      67 ================== LENGTH =   32.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1147.243   37.501960     .000000     .000000     .000000     .000000
0.50000    1147.243   37.501960     .000000     .000000     .000000  614.094594
1.00000    1147.243   37.501960     .000000     .000000     .000000    1228.189

ELEM      68 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1146.873   25.587295     .000000     .000000     .000000    1228.190
0.50000    1146.873   25.587295     .000000     .000000     .000000  614.095077
1.00000    1146.873   25.587295     .000000     .000000     .000000    2.56E-13

ELEM      69 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  863.071006     .000000     .000000     .000000     .000000     .000000
0.50000  863.071006     .000000     .000000     .000000     .000000     .000000
1.00000  863.071006     .000000     .000000     .000000     .000000     .000000

ELEM      70 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  865.677766     .000000     .000000     .000000     .000000     .000000
0.50000  865.677766     .000000     .000000     .000000     .000000     .000000
1.00000  865.677766     .000000     .000000     .000000     .000000     .000000

ELEM      71 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  863.329270     .000000     .000000     .000000     .000000     .000000
0.50000  863.329270     .000000     .000000     .000000     .000000     .000000
1.00000  863.329270     .000000     .000000     .000000     .000000     .000000

ELEM      72 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  836.005117     .000000     .000000     .000000     .000000     .000000
0.50000  836.005117     .000000     .000000     .000000     .000000     .000000
1.00000  836.005117     .000000     .000000     .000000     .000000     .000000

ELEM      73 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  832.925926     .000000     .000000     .000000     .000000     .000000
0.50000  832.925926     .000000     .000000     .000000     .000000     .000000
1.00000  832.925926     .000000     .000000     .000000     .000000     .000000
```

```
ELEM      74 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  795.656553     .000000     .000000     .000000     .000000     .000000
0.50000  795.656553     .000000     .000000     .000000     .000000     .000000
1.00000  795.656553     .000000     .000000     .000000     .000000     .000000

ELEM      75 ================== LENGTH =   34.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  278.028534     .000000     .000000     .000000     .000000     .000000
0.50000  278.028534     .000000     .000000     .000000     .000000     .000000
1.00000  278.028534     .000000     .000000     .000000     .000000     .000000

ELEM      76 ================== LENGTH =   88.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   30.245281     .000000     .000000     .000000     .000000     .000000
0.50000   30.245281     .000000     .000000     .000000     .000000     .000000
1.00000   30.245281     .000000     .000000     .000000     .000000     .000000

ELEM      77 ================== LENGTH =   12.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  107.781074    0.336939    7.90E-18     .000000     .000000     .000000
0.25000  107.781074    0.336939    7.90E-18     .000000    2.37E-17    1.010816
0.50000  107.781074    0.336939    7.90E-18     .000000    4.74E-17    2.021633
0.75000  107.781074    0.336939    7.90E-18     .000000    7.11E-17    3.032449
1.00000  107.781074    0.336939    7.90E-18     .000000    9.48E-17    4.043266

ELEM      78 ================== LENGTH =   15.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   92.928625    2.668531    6.14E-17     .000000     .000000     .000000
0.25000   92.928625    2.668531    6.14E-17     .000000    2.30E-16   10.006993
0.50000   92.928625    2.668531    6.14E-17     .000000    4.61E-16   20.013986
0.75000   92.928625    2.668531    6.14E-17     .000000    6.91E-16   30.020979
1.00000   92.928625    2.668531    6.14E-17     .000000    9.21E-16   40.027972

ELEM      79 ================== LENGTH =   15.487600

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  170.426293    4.328295    9.94E-17     .000000     .000000     .000000
0.25000  170.426293    4.328295    9.94E-17     .000000    3.85E-16   16.758727
0.50000  170.426293    4.328295    9.94E-17     .000000    7.70E-16   33.517455
0.75000  170.426293    4.328295    9.94E-17     .000000    1.15E-15   50.276182
1.00000  170.426293    4.328295    9.94E-17     .000000    1.54E-15   67.034909

ELEM      80 ================== LENGTH =   14.462800
```

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	258.676878	5.769493	1.33E-16	.000000	.000000	.000000
0.25000	258.676878	5.769493	1.33E-16	.000000	4.81E-16	20.860757
0.50000	258.676878	5.769493	1.33E-16	.000000	9.62E-16	41.721515
0.75000	258.676878	5.769493	1.33E-16	.000000	1.44E-15	62.582272
1.00000	258.676878	5.769493	1.33E-16	.000000	1.92E-15	83.443029

ELEM 81 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	97.103480	0.175572	4.11E-18	.000000	8.77E-17	4.043250
0.25000	97.103480	0.175572	4.11E-18	.000000	1.10E-16	5.003479
0.50000	97.103480	0.175572	4.11E-18	.000000	1.33E-16	5.995095
0.75000	97.103480	0.175572	4.11E-18	.000000	1.57E-16	7.004781
1.00000	97.103480	0.175572	4.11E-18	.000000	1.81E-16	8.025719

ELEM 82 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	84.910670	1.189759	2.79E-17	.000000	8.80E-16	40.027815
0.25000	84.910670	1.189759	2.79E-17	.000000	9.89E-16	44.710833
0.50000	84.910670	1.189759	2.79E-17	.000000	1.11E-15	49.978087
0.75000	84.910670	1.189759	2.79E-17	.000000	1.25E-15	55.663972
1.00000	84.910670	1.189759	2.79E-17	.000000	1.39E-15	61.652773

ELEM 83 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	182.309854	1.589963	3.73E-17	.000000	1.47E-15	67.034644
0.25000	182.309854	1.589963	3.73E-17	.000000	1.68E-15	75.934188
0.50000	182.309854	1.589963	3.73E-17	.000000	1.89E-15	84.972779
0.75000	182.309854	1.589963	3.73E-17	.000000	2.10E-15	94.110363
1.00000	182.309854	1.589963	3.73E-17	.000000	2.32E-15	103.320677

ELEM 84 ========== LENGTH = 120.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	5599.361	.000000	.000000	.000000	.000000	.000000
0.50000	5599.361	.000000	.000000	.000000	.000000	.000000
1.00000	5599.361	.000000	.000000	.000000	.000000	.000000

ELEM 86 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	594.745533	.000000	.000000	.000000	.000000	.000000
0.25000	594.745533	.000000	.000000	.000000	.000000	.000000
0.50000	594.745533	.000000	.000000	.000000	.000000	.000000
0.75000	594.745533	.000000	.000000	.000000	.000000	.000000
1.00000	594.745533	.000000	.000000	.000000	.000000	.000000

ELEM 87 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	86.270223	0.166667	3.91E-18	.000000	1.81E-16	8.025720
0.25000	86.270223	0.166667	3.91E-18	.000000	1.58E-16	7.032083
0.50000	86.270223	0.166667	3.91E-18	.000000	1.34E-16	6.040547
0.75000	86.270223	0.166667	3.91E-18	.000000	1.11E-16	5.052351
1.00000	86.270223	0.166667	3.91E-18	.000000	8.82E-17	4.069926

ELEM 88 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1636.078	1.399498	3.16E-17	.000000	.000000	.000000
0.25000	1636.078	1.399498	3.16E-17	.000000	1.89E-16	8.396986
0.50000	1636.078	1.399498	3.16E-17	.000000	3.79E-16	16.793973
0.75000	1636.078	1.399498	3.16E-17	.000000	5.68E-16	25.190959
1.00000	1636.078	1.399498	3.16E-17	.000000	7.57E-16	33.587945

ELEM 89 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	77.831442	1.494079	3.50E-17	.000000	1.39E-15	61.652753
0.25000	77.831442	1.494079	3.50E-17	.000000	1.19E-15	52.900328
0.50000	77.831442	1.494079	3.50E-17	.000000	9.84E-16	44.232918
0.75000	77.831442	1.494079	3.50E-17	.000000	7.84E-16	35.712477
1.00000	77.831442	1.494079	3.50E-17	.000000	5.92E-16	27.476074

ELEM 90 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	194.027902	2.952121	6.92E-17	.000000	2.34E-15	103.320659
0.25000	194.027902	2.952121	6.92E-17	.000000	1.93E-15	85.644270
0.50000	194.027902	2.952121	6.92E-17	.000000	1.51E-15	67.986798
0.75000	194.027902	2.952121	6.92E-17	.000000	1.10E-15	50.368142
1.00000	194.027902	2.952121	6.92E-17	.000000	6.89E-16	32.850817

ELEM 91 ========== LENGTH = 12.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	77.066372	0.339162	7.95E-18	.000000	9.54E-17	4.069945
0.25000	77.066372	0.339162	7.95E-18	.000000	7.15E-17	3.052459
0.50000	77.066372	0.339162	7.95E-18	.000000	4.77E-17	2.034972
0.75000	77.066372	0.339162	7.95E-18	.000000	2.38E-17	1.017486
1.00000	77.066372	0.339162	7.95E-18	.000000	5.92E-32	4.32E-14

ELEM 92 ========== LENGTH = 9.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	70.637065	3.052908	7.43E-17	.000000	6.69E-16	27.476176
0.25000	70.637065	3.052908	7.43E-17	.000000	5.02E-16	20.607132
0.50000	70.637065	3.052908	7.43E-17	.000000	3.34E-16	13.738088
0.75000	70.637065	3.052908	7.43E-17	.000000	1.67E-16	6.869044

```
1.00000   70.637065    3.052908    7.43E-17     .000000    2.87E-30    8.67E-14

ELEM      93 ================== LENGTH =    8.512400

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  197.945361    3.859193    9.49E-17     .000000    8.08E-16   32.850993
0.25000  197.945361    3.859193    9.49E-17     .000000    6.06E-16   24.638245
0.50000  197.945361    3.859193    9.49E-17     .000000    4.04E-16   16.425497
0.75000  197.945361    3.859193    9.49E-17     .000000    2.02E-16    8.212748
1.00000  197.945361    3.859193    9.49E-17     .000000    3.31E-30    4.43E-13

ELEM      94 ================== LENGTH =   15.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1564.211     .000000     .000000     .000000     .000000     .000000
0.50000    1564.211     .000000     .000000     .000000     .000000     .000000
1.00000    1564.211     .000000     .000000     .000000     .000000     .000000

ELEM      95 ================== LENGTH =   80.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1563.860     .000000     .000000     .000000     .000000     .000000
0.50000    1563.860     .000000     .000000     .000000     .000000     .000000
1.00000    1563.860     .000000     .000000     .000000     .000000     .000000

ELEM      96 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1559.592     .000000     .000000     .000000     .000000     .000000
0.50000    1559.592     .000000     .000000     .000000     .000000     .000000
1.00000    1559.592     .000000     .000000     .000000     .000000     .000000

ELEM      97 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1689.537     .000000     .000000     .000000     .000000     .000000
0.50000    1689.537     .000000     .000000     .000000     .000000     .000000
1.00000    1689.537     .000000     .000000     .000000     .000000     .000000

ELEM      98 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1683.244     .000000     .000000     .000000     .000000     .000000
0.50000    1683.244     .000000     .000000     .000000     .000000     .000000
1.00000    1683.244     .000000     .000000     .000000     .000000     .000000

ELEM      99 ================== LENGTH =  110.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
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0.00000    1674.664     .000000     .000000     .000000     .000000     .000000
0.50000    1674.664     .000000     .000000     .000000     .000000     .000000
1.00000    1674.664     .000000     .000000     .000000     .000000     .000000

ELEM     100 ================== LENGTH =   13.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   49.142509     .000000     .000000     .000000     .000000     .000000
0.50000   49.142509     .000000     .000000     .000000     .000000     .000000
1.00000   49.142509     .000000     .000000     .000000     .000000     .000000

ELEM     101 ================== LENGTH =   12.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   47.273839    0.174127    4.08E-18     .000000     .000000     .000000
0.25000   47.273839    0.174127    4.08E-18     .000000    1.22E-17    0.522381
0.50000   47.273839    0.174127    4.08E-18     .000000    2.45E-17    1.044762
0.75000   47.273839    0.174127    4.08E-18     .000000    3.67E-17    1.567143
1.00000   47.273839    0.174127    4.08E-18     .000000    4.90E-17    2.089524

ELEM     102 ================== LENGTH =   12.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   74.800806    0.977962    2.29E-17     .000000     .000000     .000000
0.25000   74.800806    0.977962    2.29E-17     .000000    6.88E-17    2.933885
0.50000   74.800806    0.977962    2.29E-17     .000000    1.38E-16    5.867770
0.75000   74.800806    0.977962    2.29E-17     .000000    2.06E-16    8.801654
1.00000   74.800806    0.977962    2.29E-17     .000000    2.75E-16   11.735539

ELEM     103 ================== LENGTH =   26.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   51.133961    1.081930    2.43E-17     .000000     .000000     .000000
0.25000   51.133961    1.081930    2.43E-17     .000000    1.58E-16    7.032548
0.50000   51.133961    1.081930    2.43E-17     .000000    3.16E-16   14.065096
0.75000   51.133961    1.081930    2.43E-17     .000000    4.75E-16   21.097644
1.00000   51.133961    1.081930    2.43E-17     .000000    6.33E-16   28.130192

ELEM     104 ================== LENGTH =   30.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   38.046383    0.039700    9.13E-19     .000000    4.61E-17    2.089515
0.25000   38.046383    0.039700    9.13E-19     .000000    5.23E-17    2.362448
0.50000   38.046383    0.039700    9.13E-19     .000000    5.87E-17    2.640750
0.75000   38.046383    0.039700    9.13E-19     .000000    6.52E-17    2.922888
1.00000   38.046383    0.039700    9.13E-19     .000000    7.18E-17    3.207849

ELEM     105 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5287.638     .000000     .000000     .000000     .000000     .000000
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0.50000    5287.638     .000000     .000000     .000000     .000000     .000000
1.00000    5287.638     .000000     .000000     .000000     .000000     .000000

ELEM     106 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  331.652602     .000000     .000000     .000000     .000000     .000000
0.25000  331.652602     .000000     .000000     .000000     .000000     .000000
0.50000  331.652602     .000000     .000000     .000000     .000000     .000000
0.75000  331.652602     .000000     .000000     .000000     .000000     .000000
1.00000  331.652602     .000000     .000000     .000000     .000000     .000000

ELEM     107 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1710.710     .000000     .000000     .000000     .000000     .000000
0.25000    1710.710     .000000     .000000     .000000     .000000     .000000
0.50000    1710.710     .000000     .000000     .000000     .000000     .000000
0.75000    1710.710     .000000     .000000     .000000     .000000     .000000
1.00000    1710.710     .000000     .000000     .000000     .000000     .000000

ELEM     108 ================== LENGTH =  131.468627

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1957.212     .000000     .000000     .000000     .000000     .000000
0.50000    1957.212     .000000     .000000     .000000     .000000     .000000
1.00000    1957.212     .000000     .000000     .000000     .000000     .000000

ELEM     109 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  248.014989     .000000     .000000     .000000     .000000     .000000
0.25000  248.014989     .000000     .000000     .000000     .000000     .000000
0.50000  248.014989     .000000     .000000     .000000     .000000     .000000
0.75000  248.014989     .000000     .000000     .000000     .000000     .000000
1.00000  248.014989     .000000     .000000     .000000     .000000     .000000

ELEM     110 ================== LENGTH =   60.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   71.048206    0.195592    4.36E-18     .000000    2.62E-16   11.735494
0.25000   71.048206    0.195592    4.36E-18     .000000    1.96E-16    8.801620
0.50000   71.048206    0.195592    4.36E-18     .000000    1.31E-16    5.867747
0.75000   71.048206    0.195592    4.36E-18     .000000    6.54E-17    2.933873
1.00000   71.048206    0.195592    4.36E-18     .000000    3.90E-31    6.10E-15

ELEM     111 ================== LENGTH =   46.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   46.393714    0.611525    1.37E-17     .000000    6.28E-16   28.130158
0.25000   46.393714    0.611525    1.37E-17     .000000    4.71E-16   21.097619
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0.50000   46.393714    0.611525    1.37E-17     .000000    3.14E-16   14.065079
0.75000   46.393714    0.611525    1.37E-17     .000000    1.57E-16    7.032540
1.00000   46.393714    0.611525    1.37E-17     .000000    1.40E-31    1.57E-14

ELEM     112 ================== LENGTH =   30.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   31.577398    0.106928    2.40E-18     .000000    7.20E-17    3.207850
0.25000   31.577398    0.106928    2.40E-18     .000000    5.40E-17    2.405888
0.50000   31.577398    0.106928    2.40E-18     .000000    3.60E-17    1.603925
0.75000   31.577398    0.106928    2.40E-18     .000000    1.80E-17    0.801963
1.00000   31.577398    0.106928    2.40E-18     .000000    5.83E-32    3.07E-15

ELEM     113 ================== LENGTH =   15.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2066.841     .000000     .000000     .000000     .000000     .000000
0.50000    2066.841     .000000     .000000     .000000     .000000     .000000
1.00000    2066.841     .000000     .000000     .000000     .000000     .000000

ELEM     114 ================== LENGTH =   80.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2066.565     .000000     .000000     .000000     .000000     .000000
0.50000    2066.565     .000000     .000000     .000000     .000000     .000000
1.00000    2066.565     .000000     .000000     .000000     .000000     .000000

ELEM     115 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2063.677     .000000     .000000     .000000     .000000     .000000
0.50000    2063.677     .000000     .000000     .000000     .000000     .000000
1.00000    2063.677     .000000     .000000     .000000     .000000     .000000

ELEM     116 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2057.849     .000000     .000000     .000000     .000000     .000000
0.50000    2057.849     .000000     .000000     .000000     .000000     .000000
1.00000    2057.849     .000000     .000000     .000000     .000000     .000000

ELEM     117 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2289.367     .000000     .000000     .000000     .000000     .000000
0.50000    2289.367     .000000     .000000     .000000     .000000     .000000
1.00000    2289.367     .000000     .000000     .000000     .000000     .000000

ELEM     118 ================== LENGTH =  123.000000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000   54.301655     .000000     .000000     .000000     .000000     .000000
0.50000   54.301655     .000000     .000000     .000000     .000000     .000000
1.00000   54.301655     .000000     .000000     .000000     .000000     .000000

ELEM     119 ================== LENGTH =   60.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4886.536     .000000     .000000     .000000     .000000     .000000
0.50000    4886.536     .000000     .000000     .000000     .000000     .000000
1.00000    4886.536     .000000     .000000     .000000     .000000     .000000

ELEM     120 ================== LENGTH =   60.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4838.429     .000000     .000000     .000000     .000000     .000000
0.50000    4838.429     .000000     .000000     .000000     .000000     .000000
1.00000    4838.429     .000000     .000000     .000000     .000000     .000000

ELEM     121 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5.299442     .000000     .000000     .000000     .000000     .000000
0.25000    5.299442     .000000     .000000     .000000     .000000     .000000
0.50000    5.299442     .000000     .000000     .000000     .000000     .000000
0.75000    5.299442     .000000     .000000     .000000     .000000     .000000
1.00000    5.299442     .000000     .000000     .000000     .000000     .000000

ELEM     122 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   28.947132     .000000     .000000     .000000     .000000     .000000
0.25000   28.947132     .000000     .000000     .000000     .000000     .000000
0.50000   28.947132     .000000     .000000     .000000     .000000     .000000
0.75000   28.947132     .000000     .000000     .000000     .000000     .000000
1.00000   28.947132     .000000     .000000     .000000     .000000     .000000

ELEM     123 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   43.160873     .000000     .000000     .000000     .000000     .000000
0.25000   43.160873     .000000     .000000     .000000     .000000     .000000
0.50000   43.160873     .000000     .000000     .000000     .000000     .000000
0.75000   43.160873     .000000     .000000     .000000     .000000     .000000
1.00000   43.160873     .000000     .000000     .000000     .000000     .000000

ELEM     124 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   57.304818     .000000     .000000     .000000     .000000     .000000
```

```
0.25000   57.304818     .000000     .000000     .000000     .000000     .000000
0.50000   57.304818     .000000     .000000     .000000     .000000     .000000
0.75000   57.304818     .000000     .000000     .000000     .000000     .000000
1.00000   57.304818     .000000     .000000     .000000     .000000     .000000

ELEM     125 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   88.505074     .000000     .000000     .000000     .000000     .000000
0.25000   88.505074     .000000     .000000     .000000     .000000     .000000
0.50000   88.505074     .000000     .000000     .000000     .000000     .000000
0.75000   88.505074     .000000     .000000     .000000     .000000     .000000
1.00000   88.505074     .000000     .000000     .000000     .000000     .000000

ELEM     126 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   37.694458     .000000     .000000     .000000     .000000     .000000
0.25000   37.694458     .000000     .000000     .000000     .000000     .000000
0.50000   37.694458     .000000     .000000     .000000     .000000     .000000
0.75000   37.694458     .000000     .000000     .000000     .000000     .000000
1.00000   37.694458     .000000     .000000     .000000     .000000     .000000

ELEM     127 ================== LENGTH =   60.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4841.624     .000000     .000000     .000000     .000000     .000000
0.50000    4841.624     .000000     .000000     .000000     .000000     .000000
1.00000    4841.624     .000000     .000000     .000000     .000000     .000000

ELEM     128 ================== LENGTH =   60.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4883.334     .000000     .000000     .000000     .000000     .000000
0.50000    4883.334     .000000     .000000     .000000     .000000     .000000
1.00000    4883.334     .000000     .000000     .000000     .000000     .000000

ELEM     129 ================== LENGTH =   15.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2067.920     .000000     .000000     .000000     .000000     .000000
0.50000    2067.920     .000000     .000000     .000000     .000000     .000000
1.00000    2067.920     .000000     .000000     .000000     .000000     .000000

ELEM     130 ================== LENGTH =   80.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2067.634     .000000     .000000     .000000     .000000     .000000
0.50000    2067.634     .000000     .000000     .000000     .000000     .000000
1.00000    2067.634     .000000     .000000     .000000     .000000     .000000
```

```
ELEM     131 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2064.743     .000000     .000000     .000000     .000000     .000000
0.50000    2064.743     .000000     .000000     .000000     .000000     .000000
1.00000    2064.743     .000000     .000000     .000000     .000000     .000000

ELEM     132 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2058.893     .000000     .000000     .000000     .000000     .000000
0.50000    2058.893     .000000     .000000     .000000     .000000     .000000
1.00000    2058.893     .000000     .000000     .000000     .000000     .000000

ELEM     133 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2320.890     .000000     .000000     .000000     .000000     .000000
0.50000    2320.890     .000000     .000000     .000000     .000000     .000000
1.00000    2320.890     .000000     .000000     .000000     .000000     .000000

ELEM     134 ================== LENGTH =  123.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   53.710943     .000000     .000000     .000000     .000000     .000000
0.50000   53.710943     .000000     .000000     .000000     .000000     .000000
1.00000   53.710943     .000000     .000000     .000000     .000000     .000000

ELEM     135 ================== LENGTH =   30.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   31.008847    0.097765    2.19E-18     .000000     .000000     .000000
0.25000   31.008847    0.097765    2.19E-18     .000000    1.65E-17    0.733235
0.50000   31.008847    0.097765    2.19E-18     .000000    3.29E-17    1.466470
0.75000   31.008847    0.097765    2.19E-18     .000000    4.94E-17    2.199704
1.00000   31.008847    0.097765    2.19E-18     .000000    6.58E-17    2.932939

ELEM     136 ================== LENGTH =   46.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   22.821490    0.674024    1.50E-17     .000000     .000000     .000000
0.25000   22.821490    0.674024    1.50E-17     .000000    1.73E-16    7.751282
0.50000   22.821490    0.674024    1.50E-17     .000000    3.46E-16   15.502563
0.75000   22.821490    0.674024    1.50E-17     .000000    5.19E-16   23.253845
1.00000   22.821490    0.674024    1.50E-17     .000000    6.92E-16   31.005127

ELEM     137 ================== LENGTH =   31.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
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0.00000  277.108706    1.065123    2.45E-17     .000000    1.85E-15   83.442748
0.25000  277.108706    1.065123    2.45E-17     .000000    2.01E-15   90.684710
0.50000  277.108706    1.065123    2.45E-17     .000000    2.18E-15   98.086806
0.75000  277.108706    1.065123    2.45E-17     .000000    2.35E-15  105.615372
1.00000  277.108706    1.065123    2.45E-17     .000000    2.53E-15  113.245186

ELEM     138 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5281.412     .000000     .000000     .000000     .000000     .000000
0.50000    5281.412     .000000     .000000     .000000     .000000     .000000
1.00000    5281.412     .000000     .000000     .000000     .000000     .000000

ELEM     139 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  450.290004     .000000     .000000     .000000     .000000     .000000
0.25000  450.290004     .000000     .000000     .000000     .000000     .000000
0.50000  450.290004     .000000     .000000     .000000     .000000     .000000
0.75000  450.290004     .000000     .000000     .000000     .000000     .000000
1.00000  450.290004     .000000     .000000     .000000     .000000     .000000

ELEM     140 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1861.926     .000000     .000000     .000000     .000000     .000000
0.25000    1861.926     .000000     .000000     .000000     .000000     .000000
0.50000    1861.926     .000000     .000000     .000000     .000000     .000000
0.75000    1861.926     .000000     .000000     .000000     .000000     .000000
1.00000    1861.926     .000000     .000000     .000000     .000000     .000000

ELEM     141 ================== LENGTH =  131.468627

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1962.626     .000000     .000000     .000000     .000000     .000000
0.50000    1962.626     .000000     .000000     .000000     .000000     .000000
1.00000    1962.626     .000000     .000000     .000000     .000000     .000000

ELEM     142 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  207.565183     .000000     .000000     .000000     .000000     .000000
0.25000  207.565183     .000000     .000000     .000000     .000000     .000000
0.50000  207.565183     .000000     .000000     .000000     .000000     .000000
0.75000  207.565183     .000000     .000000     .000000     .000000     .000000
1.00000  207.565183     .000000     .000000     .000000     .000000     .000000

ELEM     143 ================== LENGTH =   30.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   37.474756    0.033450    7.70E-19     .000000    6.56E-17    2.932938
```

0.25000	37.474756	0.033450	7.70E-19	.000000	6.02E-17	2.697189
0.50000	37.474756	0.033450	7.70E-19	.000000	5.48E-17	2.464428
0.75000	37.474756	0.033450	7.70E-19	.000000	4.96E-17	2.235589
1.00000	37.474756	0.033450	7.70E-19	.000000	4.44E-17	2.012011

ELEM 144 ========== LENGTH = 26.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	24.281949	1.192506	2.68E-17	.000000	6.98E-16	31.005159
0.25000	24.281949	1.192506	2.68E-17	.000000	5.23E-16	23.253869
0.50000	24.281949	1.192506	2.68E-17	.000000	3.49E-16	15.502579
0.75000	24.281949	1.192506	2.68E-17	.000000	1.74E-16	7.751290
1.00000	24.281949	1.192506	2.68E-17	.000000	1.86E-31	5.38E-14

ELEM 145 ========== LENGTH = 12.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	46.699229	0.167668	3.93E-18	.000000	4.72E-17	2.012020
0.25000	46.699229	0.167668	3.93E-18	.000000	3.54E-17	1.509015
0.50000	46.699229	0.167668	3.93E-18	.000000	2.36E-17	1.006010
0.75000	46.699229	0.167668	3.93E-18	.000000	1.18E-17	0.503005
1.00000	46.699229	0.167668	3.93E-18	.000000	2.99E-31	2.17E-14

ELEM 146 ========== LENGTH = 15.750000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1560.474	.000000	.000000	.000000	.000000	.000000
0.50000	1560.474	.000000	.000000	.000000	.000000	.000000
1.00000	1560.474	.000000	.000000	.000000	.000000	.000000

ELEM 147 ========== LENGTH = 80.750000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1560.086	.000000	.000000	.000000	.000000	.000000
0.50000	1560.086	.000000	.000000	.000000	.000000	.000000
1.00000	1560.086	.000000	.000000	.000000	.000000	.000000

ELEM 148 ========== LENGTH = 96.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1555.842	.000000	.000000	.000000	.000000	.000000
0.50000	1555.842	.000000	.000000	.000000	.000000	.000000
1.00000	1555.842	.000000	.000000	.000000	.000000	.000000

ELEM 149 ========== LENGTH = 96.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1693.362	.000000	.000000	.000000	.000000	.000000
0.50000	1693.362	.000000	.000000	.000000	.000000	.000000
1.00000	1693.362	.000000	.000000	.000000	.000000	.000000

ELEM 150 ========== LENGTH = 96.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1687.070	.000000	.000000	.000000	.000000	.000000
0.50000	1687.070	.000000	.000000	.000000	.000000	.000000
1.00000	1687.070	.000000	.000000	.000000	.000000	.000000

ELEM 151 ========== LENGTH = 110.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1678.659	.000000	.000000	.000000	.000000	.000000
0.50000	1678.659	.000000	.000000	.000000	.000000	.000000
1.00000	1678.659	.000000	.000000	.000000	.000000	.000000

ELEM 152 ========== LENGTH = 13.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	48.993903	.000000	.000000	.000000	.000000	.000000
0.50000	48.993903	.000000	.000000	.000000	.000000	.000000
1.00000	48.993903	.000000	.000000	.000000	.000000	.000000

ELEM 153 ========== LENGTH = 9.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	37.737080	3.092043	7.53E-17	.000000	.000000	.000000
0.25000	37.737080	3.092043	7.53E-17	.000000	1.69E-16	6.957097
0.50000	37.737080	3.092043	7.53E-17	.000000	3.39E-16	13.914194
0.75000	37.737080	3.092043	7.53E-17	.000000	5.08E-16	20.871291
1.00000	37.737080	3.092043	7.53E-17	.000000	6.77E-16	27.828389

ELEM 154 ========== LENGTH = 12.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	76.490705	0.375820	8.81E-18	.000000	.000000	.000000
0.25000	76.490705	0.375820	8.81E-18	.000000	2.64E-17	1.127459
0.50000	76.490705	0.375820	8.81E-18	.000000	5.28E-17	2.254918
0.75000	76.490705	0.375820	8.81E-18	.000000	7.93E-17	3.382377
1.00000	76.490705	0.375820	8.81E-18	.000000	1.06E-16	4.509836

ELEM 155 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	44.125755	1.587971	3.72E-17	.000000	5.99E-16	27.828270
0.25000	44.125755	1.587971	3.72E-17	.000000	8.05E-16	36.648865
0.50000	44.125755	1.587971	3.72E-17	.000000	1.02E-15	45.753962
0.75000	44.125755	1.587971	3.72E-17	.000000	1.23E-15	55.002452
1.00000	44.125755	1.587971	3.72E-17	.000000	1.45E-15	64.332523

ELEM 156 ========== LENGTH = 48.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1646.065	0.699748	1.56E-17	.000000	7.50E-16	33.587892
0.25000	1646.065	0.699748	1.56E-17	.000000	5.62E-16	25.190919
0.50000	1646.065	0.699748	1.56E-17	.000000	3.75E-16	16.793946
0.75000	1646.065	0.699748	1.56E-17	.000000	1.87E-16	8.396973
1.00000	1646.065	0.699748	1.56E-17	.000000	1.08E-30	7.69E-15

ELEM 157 ========== LENGTH = 26.537200

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	289.334336	4.267415	9.60E-17	.000000	2.55E-15	113.245253
0.25000	289.334336	4.267415	9.60E-17	.000000	1.91E-15	84.933940
0.50000	289.334336	4.267415	9.60E-17	.000000	1.27E-15	56.622627
0.75000	289.334336	4.267415	9.60E-17	.000000	6.37E-16	28.311313
1.00000	289.334336	4.267415	9.60E-17	.000000	1.73E-30	1.57E-13

ELEM 158 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	85.693908	0.182768	4.28E-18	.000000	9.78E-17	4.509818
0.25000	85.693908	0.182768	4.28E-18	.000000	1.23E-16	5.587760
0.50000	85.693908	0.182768	4.28E-18	.000000	1.48E-16	6.671788
0.75000	85.693908	0.182768	4.28E-18	.000000	1.74E-16	7.759352
1.00000	85.693908	0.182768	4.28E-18	.000000	1.99E-16	8.849149

ELEM 159 ========== LENGTH = 120.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	5615.891	.000000	.000000	.000000	.000000	.000000
0.50000	5615.891	.000000	.000000	.000000	.000000	.000000
1.00000	5615.891	.000000	.000000	.000000	.000000	.000000

ELEM 161 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	637.676586	.000000	.000000	.000000	.000000	.000000
0.25000	637.676586	.000000	.000000	.000000	.000000	.000000
0.50000	637.676586	.000000	.000000	.000000	.000000	.000000
0.75000	637.676586	.000000	.000000	.000000	.000000	.000000
1.00000	637.676586	.000000	.000000	.000000	.000000	.000000

ELEM 162 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	50.618931	1.146874	2.69E-17	.000000	1.45E-15	64.332528
0.25000	50.618931	1.146874	2.69E-17	.000000	1.30E-15	58.263435
0.50000	50.618931	1.146874	2.69E-17	.000000	1.17E-15	52.395464
0.75000	50.618931	1.146874	2.69E-17	.000000	1.03E-15	46.804322
1.00000	50.618931	1.146874	2.69E-17	.000000	9.14E-16	41.601772

ELEM 163 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	96.526579	0.194771	4.56E-18	.000000	2.00E-16	8.849150
0.25000	96.526579	0.194771	4.56E-18	.000000	1.73E-16	7.711121
0.50000	96.526579	0.194771	4.56E-18	.000000	1.46E-16	6.583822
0.75000	96.526579	0.194771	4.56E-18	.000000	1.20E-16	5.473885
1.00000	96.526579	0.194771	4.56E-18	.000000	9.52E-17	4.394486

ELEM 164 ========== LENGTH = 14.462800

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	374.668693	5.708662	1.32E-16	.000000	1.90E-15	82.563244
0.25000	374.668693	5.708662	1.32E-16	.000000	1.43E-15	61.922433
0.50000	374.668693	5.708662	1.32E-16	.000000	9.52E-16	41.281622
0.75000	374.668693	5.708662	1.32E-16	.000000	4.76E-16	20.640811
1.00000	374.668693	5.708662	1.32E-16	.000000	2.22E-30	1.89E-13

ELEM 165 ========== LENGTH = 15.487600

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	266.635822	4.624145	1.06E-16	.000000	1.64E-15	71.616906
0.25000	266.635822	4.624145	1.06E-16	.000000	1.23E-15	53.712679
0.50000	266.635822	4.624145	1.06E-16	.000000	8.22E-16	35.808453
0.75000	266.635822	4.624145	1.06E-16	.000000	4.11E-16	17.904226
1.00000	266.635822	4.624145	1.06E-16	.000000	2.78E-30	1.79E-13

ELEM 166 ========== LENGTH = 15.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	58.140226	2.773462	6.38E-17	.000000	9.57E-16	41.601925
0.25000	58.140226	2.773462	6.38E-17	.000000	7.18E-16	31.201444
0.50000	58.140226	2.773462	6.38E-17	.000000	4.79E-16	20.800962
0.75000	58.140226	2.773462	6.38E-17	.000000	2.39E-16	10.400481
1.00000	58.140226	2.773462	6.38E-17	.000000	9.26E-31	1.36E-13

ELEM 167 ========== LENGTH = 12.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	107.202052	0.366209	8.58E-18	.000000	1.03E-16	4.394507
0.25000	107.202052	0.366209	8.58E-18	.000000	7.72E-17	3.295880
0.50000	107.202052	0.366209	8.58E-18	.000000	5.15E-17	2.197253
0.75000	107.202052	0.366209	8.58E-18	.000000	2.57E-17	1.098627
1.00000	107.202052	0.366209	8.58E-18	.000000	3.02E-31	8.15E-15

ELEM 168 ========== LENGTH = 15.750000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1141.407	.000000	.000000	.000000	.000000	.000000
0.50000	1141.407	.000000	.000000	.000000	.000000	.000000
1.00000	1141.407	.000000	.000000	.000000	.000000	.000000

ELEM 169 ========== LENGTH = 32.750000

```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1239.219   37.441439     .000000     .000000     .000000     .000000
0.50000    1239.219   37.441439     .000000     .000000     .000000  613.103571
1.00000    1239.219   37.441439     .000000     .000000     .000000    1226.207

ELEM     170 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1238.819   25.546002     .000000     .000000     .000000    1226.208
0.50000    1238.819   25.546002     .000000     .000000     .000000  613.104053
1.00000    1238.819   25.546002     .000000     .000000     .000000    1.74E-13

ELEM     171 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  959.155036     .000000     .000000     .000000     .000000     .000000
0.50000  959.155036     .000000     .000000     .000000     .000000     .000000
1.00000  959.155036     .000000     .000000     .000000     .000000     .000000

ELEM     172 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  955.202284     .000000     .000000     .000000     .000000     .000000
0.50000  955.202284     .000000     .000000     .000000     .000000     .000000
1.00000  955.202284     .000000     .000000     .000000     .000000     .000000

ELEM     173 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  952.417902     .000000     .000000     .000000     .000000     .000000
0.50000  952.417902     .000000     .000000     .000000     .000000     .000000
1.00000  952.417902     .000000     .000000     .000000     .000000     .000000

ELEM     174 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  907.311492     .000000     .000000     .000000     .000000     .000000
0.50000  907.311492     .000000     .000000     .000000     .000000     .000000
1.00000  907.311492     .000000     .000000     .000000     .000000     .000000

ELEM     175 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  903.915972     .000000     .000000     .000000     .000000     .000000
0.50000  903.915972     .000000     .000000     .000000     .000000     .000000
1.00000  903.915972     .000000     .000000     .000000     .000000     .000000

ELEM     176 ================== LENGTH =   48.000000
```

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SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  846.618432     .000000     .000000     .000000     .000000     .000000
0.50000  846.618432     .000000     .000000     .000000     .000000     .000000
1.00000  846.618432     .000000     .000000     .000000     .000000     .000000

ELEM     177 ================== LENGTH =   34.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  286.628724     .000000     .000000     .000000     .000000     .000000
0.50000  286.628724     .000000     .000000     .000000     .000000     .000000
1.00000  286.628724     .000000     .000000     .000000     .000000     .000000

ELEM     178 ================== LENGTH =   88.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   33.634475     .000000     .000000     .000000     .000000     .000000
0.50000   33.634475     .000000     .000000     .000000     .000000     .000000
1.00000   33.634475     .000000     .000000     .000000     .000000     .000000

ELEM     179 ================== LENGTH =    9.537200

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  351.505743    4.345189    1.05E-16     .000000     .000000     .000000
0.25000  351.505743    4.345189    1.05E-16     .000000    2.50E-16   10.360235
0.50000  351.505743    4.345189    1.05E-16     .000000    5.00E-16   20.720470
0.75000  351.505743    4.345189    1.05E-16     .000000    7.50E-16   31.080705
1.00000  351.505743    4.345189    1.05E-16     .000000    9.99E-16   41.440940

ELEM     180 ================== LENGTH =    8.512400

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  248.941616    3.195123    7.85E-17     .000000     .000000     .000000
0.25000  248.941616    3.195123    7.85E-17     .000000    1.67E-16    6.799541
0.50000  248.941616    3.195123    7.85E-17     .000000    3.34E-16   13.599082
0.75000  248.941616    3.195123    7.85E-17     .000000    5.01E-16   20.398624
1.00000  248.941616    3.195123    7.85E-17     .000000    6.69E-16   27.198165

ELEM     181 ================== LENGTH =   17.539000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  148.005075    3.596765    3.47E-17     .000000     .000000     .000000
0.25000  148.005075    3.596765    3.47E-17     .000000    1.52E-16   15.770913
0.50000  148.005075    3.596765    3.47E-17     .000000    3.04E-16   31.541827
0.75000  148.005075    3.596765    3.47E-17     .000000    4.56E-16   47.312740
1.00000  148.005075    3.596765    3.47E-17     .000000    6.08E-16   63.083654

ELEM     182 ================== LENGTH =    9.000000

SPEC   HORIZ ------------------
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REL DIST          P          V2          V3           T          M2          M3
0.00000  254.258615    2.063909    5.02E-17     .000000     .000000     .000000
0.25000  254.258615    2.063909    5.02E-17     .000000    1.13E-16    4.643795
0.50000  254.258615    2.063909    5.02E-17     .000000    2.26E-16    9.287590
0.75000  254.258615    2.063909    5.02E-17     .000000    3.39E-16   13.931386
1.00000  254.258615    2.063909    5.02E-17     .000000    4.52E-16   18.575181

ELEM     183 ================== LENGTH =   12.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  314.724015    0.309766    7.26E-18     .000000     .000000     .000000
0.25000  314.724015    0.309766    7.26E-18     .000000    2.18E-17    0.929297
0.50000  314.724015    0.309766    7.26E-18     .000000    4.36E-17    1.858593
0.75000  314.724015    0.309766    7.26E-18     .000000    6.53E-17    2.787890
1.00000  314.724015    0.309766    7.26E-18     .000000    8.71E-17    3.717186

ELEM     184 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  331.850796    2.272999    5.33E-17     .000000    8.93E-16   41.440857
0.25000  331.850796    2.272999    5.33E-17     .000000    1.19E-15   54.013885
0.50000  331.850796    2.272999    5.33E-17     .000000    1.49E-15   67.004813
0.75000  331.850796    2.272999    5.33E-17     .000000    1.80E-15   80.210847
1.00000  331.850796    2.272999    5.33E-17     .000000    2.11E-15   93.540926

ELEM     185 ================== LENGTH =   39.905978

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1320.682     .000000     .000000     .000000     .000000     .000000
0.50000    1320.682     .000000     .000000     .000000     .000000     .000000
1.00000    1320.682     .000000     .000000     .000000     .000000     .000000

ELEM     186 ================== LENGTH =   39.905935

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  509.450367     .000000     .000000     .000000     .000000     .000000
0.50000  509.450367     .000000     .000000     .000000     .000000     .000000
1.00000  509.450367     .000000     .000000     .000000     .000000     .000000

ELEM     187 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  233.931068    1.625400    3.81E-17     .000000    5.87E-16   27.198114
0.25000  233.931068    1.625400    3.81E-17     .000000    7.79E-16   35.492726
0.50000  233.931068    1.625400    3.81E-17     .000000    9.87E-16   44.384099
0.75000  233.931068    1.625400    3.81E-17     .000000    1.20E-15   53.575941
1.00000  233.931068    1.625400    3.81E-17     .000000    1.42E-15   62.936740

ELEM     188 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
```

0.00000	164.112348	1.154238	1.20E-17	.000000	5.52E-16	63.083639
0.25000	164.112348	1.154238	1.20E-17	.000000	6.14E-16	69.111697
0.50000	164.112348	1.154238	1.20E-17	.000000	6.78E-16	75.294297
0.75000	164.112348	1.154238	1.20E-17	.000000	7.44E-16	81.596315
1.00000	164.112348	1.154238	1.20E-17	.000000	8.10E-16	87.992099

ELEM 189 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	248.419803	1.198777	2.81E-17	.000000	4.09E-16	18.575154
0.25000	248.419803	1.198777	2.81E-17	.000000	4.79E-16	21.742232
0.50000	248.419803	1.198777	2.81E-17	.000000	5.90E-16	26.530769
0.75000	248.419803	1.198777	2.81E-17	.000000	7.24E-16	32.225882
1.00000	248.419803	1.198777	2.81E-17	.000000	8.70E-16	38.426580

ELEM 190 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	302.471781	0.099751	2.34E-18	.000000	8.16E-17	3.717176
0.25000	302.471781	0.099751	2.34E-18	.000000	9.26E-17	4.190841
0.50000	302.471781	0.099751	2.34E-18	.000000	1.04E-16	4.693114
0.75000	302.471781	0.099751	2.34E-18	.000000	1.17E-16	5.215737
1.00000	302.471781	0.099751	2.34E-18	.000000	1.29E-16	5.753166

ELEM 191 ========== LENGTH = 79.098436

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	522.069510	.000000	.000000	.000000	.000000	.000000
0.50000	522.069510	.000000	.000000	.000000	.000000	.000000
1.00000	522.069510	.000000	.000000	.000000	.000000	.000000

ELEM 192 ========== LENGTH = 120.400374

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	5910.870	.000000	.000000	.000000	.000000	.000000
0.50000	5910.870	.000000	.000000	.000000	.000000	.000000
1.00000	5910.870	.000000	.000000	.000000	.000000	.000000

ELEM 193 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	38.993764	.000000	.000000	.000000	.000000	.000000
0.25000	38.993764	.000000	.000000	.000000	.000000	.000000
0.50000	38.993764	.000000	.000000	.000000	.000000	.000000
0.75000	38.993764	.000000	.000000	.000000	.000000	.000000
1.00000	38.993764	.000000	.000000	.000000	.000000	.000000

ELEM 194 ========== LENGTH = 86.533231

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	100.487511	.000000	.000000	.000000	.000000	.000000

```
0.50000  100.487511     .000000     .000000     .000000     .000000     .000000
1.00000  100.487511     .000000     .000000     .000000     .000000     .000000

ELEM     195 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   70.168085     .000000     .000000     .000000     .000000     .000000
0.25000   70.168085     .000000     .000000     .000000     .000000     .000000
0.50000   70.168085     .000000     .000000     .000000     .000000     .000000
0.75000   70.168085     .000000     .000000     .000000     .000000     .000000
1.00000   70.168085     .000000     .000000     .000000     .000000     .000000

ELEM     196 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  136.592258     .000000     .000000     .000000     .000000     .000000
0.50000  136.592258     .000000     .000000     .000000     .000000     .000000
1.00000  136.592258     .000000     .000000     .000000     .000000     .000000

ELEM     197 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   90.625900     .000000     .000000     .000000     .000000     .000000
0.25000   90.625900     .000000     .000000     .000000     .000000     .000000
0.50000   90.625900     .000000     .000000     .000000     .000000     .000000
0.75000   90.625900     .000000     .000000     .000000     .000000     .000000
1.00000   90.625900     .000000     .000000     .000000     .000000     .000000

ELEM     198 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  170.401650     .000000     .000000     .000000     .000000     .000000
0.50000  170.401650     .000000     .000000     .000000     .000000     .000000
1.00000  170.401650     .000000     .000000     .000000     .000000     .000000

ELEM     199 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  112.932717     .000000     .000000     .000000     .000000     .000000
0.25000  112.932717     .000000     .000000     .000000     .000000     .000000
0.50000  112.932717     .000000     .000000     .000000     .000000     .000000
0.75000  112.932717     .000000     .000000     .000000     .000000     .000000
1.00000  112.932717     .000000     .000000     .000000     .000000     .000000

ELEM     200 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  567.747024     .000000     .000000     .000000     .000000     .000000
0.25000  567.747024     .000000     .000000     .000000     .000000     .000000
0.50000  567.747024     .000000     .000000     .000000     .000000     .000000
0.75000  567.747024     .000000     .000000     .000000     .000000     .000000
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1.00000  567.747024     .000000     .000000     .000000     .000000     .000000

ELEM     201 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  410.854592     .000000     .000000     .000000     .000000     .000000
0.25000  410.854592     .000000     .000000     .000000     .000000     .000000
0.50000  410.854592     .000000     .000000     .000000     .000000     .000000
0.75000  410.854592     .000000     .000000     .000000     .000000     .000000
1.00000  410.854592     .000000     .000000     .000000     .000000     .000000

ELEM     202 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  308.273326    2.269753    5.32E-17     .000000    2.11E-15   93.540996
0.25000  308.273326    2.269753    5.32E-17     .000000    1.80E-15   80.434200
0.50000  308.273326    2.269753    5.32E-17     .000000    1.50E-15   67.530224
0.75000  308.273326    2.269753    5.32E-17     .000000    1.21E-15   54.972082
1.00000  308.273326    2.269753    5.32E-17     .000000    9.31E-16   43.063401

ELEM     203 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  218.406427    1.491143    3.49E-17     .000000    1.42E-15   62.936787
0.25000  218.406427    1.491143    3.49E-17     .000000    1.24E-15   55.410270
0.50000  218.406427    1.491143    3.49E-17     .000000    1.08E-15   48.369921
0.75000  218.406427    1.491143    3.49E-17     .000000    9.29E-16   42.060587
1.00000  218.406427    1.491143    3.49E-17     .000000    8.09E-16   36.859587

ELEM     204 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  180.329978    2.279544    2.36E-17     .000000    8.29E-16   87.992089
0.25000  180.329978    2.279544    2.36E-17     .000000    6.89E-16   74.517043
0.50000  180.329978    2.279544    2.36E-17     .000000    5.51E-16   61.131880
0.75000  180.329978    2.279544    2.36E-17     .000000    4.14E-16   47.911990
1.00000  180.329978    2.279544    2.36E-17     .000000    2.82E-16   35.044911

ELEM     205 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  241.508417    0.814078    1.91E-17     .000000    8.66E-16   38.426602
0.25000  241.508417    0.814078    1.91E-17     .000000    7.57E-16   33.792076
0.50000  241.508417    0.814078    1.91E-17     .000000    6.50E-16   29.239034
0.75000  241.508417    0.814078    1.91E-17     .000000    5.47E-16   24.812373
1.00000  241.508417    0.814078    1.91E-17     .000000    4.48E-16   20.593751

ELEM     206 ================== LENGTH =   39.905978

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  511.857756     .000000     .000000     .000000     .000000     .000000
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0.50000  511.857756     .000000     .000000     .000000     .000000     .000000
1.00000  511.857756     .000000     .000000     .000000     .000000     .000000

ELEM     207 ================== LENGTH =   39.905935

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1318.324     .000000     .000000     .000000     .000000     .000000
0.50000    1318.324     .000000     .000000     .000000     .000000     .000000
1.00000    1318.324     .000000     .000000     .000000     .000000     .000000

ELEM     208 ================== LENGTH =   36.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  294.834325    0.159810    3.58E-18     .000000    1.29E-16    5.753169
0.25000  294.834325    0.159810    3.58E-18     .000000    9.66E-17    4.314877
0.50000  294.834325    0.159810    3.58E-18     .000000    6.44E-17    2.876585
0.75000  294.834325    0.159810    3.58E-18     .000000    3.22E-17    1.438292
1.00000  294.834325    0.159810    3.58E-18     .000000    4.27E-32    5.21E-15

ELEM     209 ================== LENGTH =   14.462800

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  284.354538    2.977544    6.87E-17     .000000    9.93E-16   43.063627
0.25000  284.354538    2.977544    6.87E-17     .000000    7.45E-16   32.297720
0.50000  284.354538    2.977544    6.87E-17     .000000    4.97E-16   21.531814
0.75000  284.354538    2.977544    6.87E-17     .000000    2.48E-16   10.765907
1.00000  284.354538    2.977544    6.87E-17     .000000    1.56E-30    1.55E-13

ELEM     210 ================== LENGTH =   15.487600

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  200.290889    2.379952    5.46E-17     .000000    8.46E-16   36.859749
0.25000  200.290889    2.379952    5.46E-17     .000000    6.35E-16   27.644812
0.50000  200.290889    2.379952    5.46E-17     .000000    4.23E-16   18.429874
0.75000  200.290889    2.379952    5.46E-17     .000000    2.12E-16    9.214937
1.00000  200.290889    2.379952    5.46E-17     .000000    4.97E-30    2.85E-14

ELEM     211 ================== LENGTH =    6.461000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  198.853977    5.424064    7.34E-17     .000000    4.74E-16   35.044877
0.25000  198.853977    5.424064    7.34E-17     .000000    3.56E-16   26.283658
0.50000  198.853977    5.424064    7.34E-17     .000000    2.37E-16   17.522439
0.75000  198.853977    5.424064    7.34E-17     .000000    1.19E-16    8.761219
1.00000  198.853977    5.424064    7.34E-17     .000000    3.84E-30    1.86E-12

ELEM     212 ================== LENGTH =   15.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  237.343934    1.372924    3.16E-17     .000000    4.74E-16   20.593853
0.25000  237.343934    1.372924    3.16E-17     .000000    3.55E-16   15.445390
```

```
0.50000  237.343934    1.372924    3.16E-17     .000000    2.37E-16   10.296926
0.75000  237.343934    1.372924    3.16E-17     .000000    1.18E-16    5.148463
1.00000  237.343934    1.372924    3.16E-17     .000000    6.93E-31    1.12E-13

ELEM     213 ================== LENGTH =   15.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1042.945     .000000     .000000     .000000     .000000     .000000
0.50000    1042.945     .000000     .000000     .000000     .000000     .000000
1.00000    1042.945     .000000     .000000     .000000     .000000     .000000

ELEM     214 ================== LENGTH =   32.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1042.900  276.577987     .000000     .000000     .000000     .000000
0.50000    1042.900  276.577987     .000000     .000000     .000000    4528.965
1.00000    1042.900  276.577987     .000000     .000000     .000000    9057.929

ELEM     215 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1080.212  188.706877     .000000     .000000     .000000    9057.930
0.50000    1080.212  188.706877     .000000     .000000     .000000    4528.965
1.00000    1080.212  188.706877     .000000     .000000     .000000    1.86E-12

ELEM     216 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1076.870     .000000     .000000     .000000     .000000     .000000
0.50000    1076.870     .000000     .000000     .000000     .000000     .000000
1.00000    1076.870     .000000     .000000     .000000     .000000     .000000

ELEM     217 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  981.938707     .000000     .000000     .000000     .000000     .000000
0.50000  981.938707     .000000     .000000     .000000     .000000     .000000
1.00000  981.938707     .000000     .000000     .000000     .000000     .000000

ELEM     218 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  941.683179     .000000     .000000     .000000     .000000     .000000
0.50000  941.683179     .000000     .000000     .000000     .000000     .000000
1.00000  941.683179     .000000     .000000     .000000     .000000     .000000

ELEM     219 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000  937.342610     .000000     .000000     .000000     .000000     .000000
0.50000  937.342610     .000000     .000000     .000000     .000000     .000000
1.00000  937.342610     .000000     .000000     .000000     .000000     .000000

ELEM     220 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  877.364790     .000000     .000000     .000000     .000000     .000000
0.50000  877.364790     .000000     .000000     .000000     .000000     .000000
1.00000  877.364790     .000000     .000000     .000000     .000000     .000000

ELEM     221 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  870.917261     .000000     .000000     .000000     .000000     .000000
0.50000  870.917261     .000000     .000000     .000000     .000000     .000000
1.00000  870.917261     .000000     .000000     .000000     .000000     .000000

ELEM     222 ================== LENGTH =   34.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  650.050370     .000000     .000000     .000000     .000000     .000000
0.50000  650.050370     .000000     .000000     .000000     .000000     .000000
1.00000  650.050370     .000000     .000000     .000000     .000000     .000000

ELEM     223 ================== LENGTH =   88.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   52.005765     .000000     .000000     .000000     .000000     .000000
0.50000   52.005765     .000000     .000000     .000000     .000000     .000000
1.00000   52.005765     .000000     .000000     .000000     .000000     .000000

ELEM     224 ================== LENGTH =    9.537200

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   73.268127    4.482247    1.08E-16     .000000     .000000     .000000
0.25000   73.268127    4.482247    1.08E-16     .000000    2.58E-16   10.687022
0.50000   73.268127    4.482247    1.08E-16     .000000    5.15E-16   21.374044
0.75000   73.268127    4.482247    1.08E-16     .000000    7.73E-16   32.061067
1.00000   73.268127    4.482247    1.08E-16     .000000    1.03E-15   42.748089

ELEM     225 ================== LENGTH =    8.512400

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   32.851450    0.702678    1.73E-17     .000000     .000000     .000000
0.25000   32.851450    0.702678    1.73E-17     .000000    3.68E-17    1.495369
0.50000   32.851450    0.702678    1.73E-17     .000000    7.35E-17    2.990739
0.75000   32.851450    0.702678    1.73E-17     .000000    1.10E-16    4.486108
1.00000   32.851450    0.702678    1.73E-17     .000000    1.47E-16    5.981478

ELEM     226 ================== LENGTH =   49.604034
```

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	167.568785	.000000	.000000	.000000	.000000	.000000
0.50000	167.568785	.000000	.000000	.000000	.000000	.000000
1.00000	167.568785	.000000	.000000	.000000	.000000	.000000

ELEM 227 ========== LENGTH = 17.539000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	209.786155	11.612156	1.12E-16	.000000	.000000	.000000
0.25000	209.786155	11.612156	1.12E-16	.000000	4.91E-16	50.916400
0.50000	209.786155	11.612156	1.12E-16	.000000	9.82E-16	101.832801
0.75000	209.786155	11.612156	1.12E-16	.000000	1.47E-15	152.749201
1.00000	209.786155	11.612156	1.12E-16	.000000	1.96E-15	203.665601

ELEM 228 ========== LENGTH = 4.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	22.128807	1.495288	4.79E-17	.000000	1.91E-16	5.981152
0.25000	22.128807	1.495288	4.79E-17	.000000	1.44E-16	4.485864
0.50000	22.128807	1.495288	4.79E-17	.000000	9.57E-17	2.990576
0.75000	22.128807	1.495288	4.79E-17	.000000	4.79E-17	1.495288
1.00000	22.128807	1.495288	4.79E-17	.000000	.000000	.000000

ELEM 229 ========== LENGTH = 25.024800

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	26.309118	.000000	.000000	.000000	.000000	.000000
0.25000	26.309118	.000000	.000000	.000000	.000000	.000000
0.50000	26.309118	.000000	.000000	.000000	.000000	.000000
0.75000	26.309118	.000000	.000000	.000000	.000000	.000000
1.00000	26.309118	.000000	.000000	.000000	.000000	.000000

ELEM 230 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	45.573683	1.015765	2.38E-17	.000000	9.64E-16	42.747897
0.25000	45.573683	1.015765	2.38E-17	.000000	8.36E-16	37.285171
0.50000	45.573683	1.015765	2.38E-17	.000000	7.13E-16	32.051104
0.75000	45.573683	1.015765	2.38E-17	.000000	5.99E-16	27.178129
1.00000	45.573683	1.015765	2.38E-17	.000000	5.00E-16	22.897952

ELEM 231 ========== LENGTH = 49.604034

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	162.553356	.000000	.000000	.000000	.000000	.000000
0.50000	162.553356	.000000	.000000	.000000	.000000	.000000
1.00000	162.553356	.000000	.000000	.000000	.000000	.000000

ELEM 232 ========== LENGTH = 50.049600

```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   33.115538     .000000     .000000     .000000     .000000     .000000
0.25000   33.115538     .000000     .000000     .000000     .000000     .000000
0.50000   33.115538     .000000     .000000     .000000     .000000     .000000
0.75000   33.115538     .000000     .000000     .000000     .000000     .000000
1.00000   33.115538     .000000     .000000     .000000     .000000     .000000

ELEM     233 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  191.059038    3.946669    4.09E-17     .000000    1.77E-15  203.665217
0.25000  191.059038    3.946669    4.09E-17     .000000    2.01E-15  226.609367
0.50000  191.059038    3.946669    4.09E-17     .000000    2.25E-15  249.690961
0.75000  191.059038    3.946669    4.09E-17     .000000    2.49E-15  272.875124
1.00000  191.059038    3.946669    4.09E-17     .000000    2.73E-15  296.137765

ELEM     234 ================== LENGTH =   49.604034

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  157.034539     .000000     .000000     .000000     .000000     .000000
0.50000  157.034539     .000000     .000000     .000000     .000000     .000000
1.00000  157.034539     .000000     .000000     .000000     .000000     .000000

ELEM     235 ================== LENGTH =   62.562000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   30.905390     .000000     .000000     .000000     .000000     .000000
0.25000   30.905390     .000000     .000000     .000000     .000000     .000000
0.50000   30.905390     .000000     .000000     .000000     .000000     .000000
0.75000   30.905390     .000000     .000000     .000000     .000000     .000000
1.00000   30.905390     .000000     .000000     .000000     .000000     .000000

ELEM     236 ================== LENGTH =    4.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   29.336309    5.724450    1.83E-16     .000000    7.33E-16   22.897801
0.25000   29.336309    5.724450    1.83E-16     .000000    5.50E-16   17.173351
0.50000   29.336309    5.724450    1.83E-16     .000000    3.67E-16   11.448900
0.75000   29.336309    5.724450    1.83E-16     .000000    1.83E-16    5.724450
1.00000   29.336309    5.724450    1.83E-16     .000000    1.48E-33    1.04E-16

ELEM     237 ================== LENGTH =   49.604034

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  145.508111     .000000     .000000     .000000     .000000     .000000
0.50000  145.508111     .000000     .000000     .000000     .000000     .000000
1.00000  145.508111     .000000     .000000     .000000     .000000     .000000

ELEM     238 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------
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```
REL DIST          P          V2          V3           T          M2          M3
0.00000  169.544421    9.093965    9.42E-17     .000000    2.81E-15  296.137566
0.25000  169.544421    9.093965    9.42E-17     .000000    2.25E-15  241.707511
0.50000  169.544421    9.093965    9.42E-17     .000000    1.69E-15  187.355273
0.75000  169.544421    9.093965    9.42E-17     .000000    1.13E-15  133.176165
1.00000  169.544421    9.093965    9.42E-17     .000000    5.74E-16   79.524831

ELEM     239 ================== LENGTH =   94.625000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  161.558635     .000000     .000000     .000000     .000000     .000000
0.25000  161.558635     .000000     .000000     .000000     .000000     .000000
0.50000  161.558635     .000000     .000000     .000000     .000000     .000000
0.75000  161.558635     .000000     .000000     .000000     .000000     .000000
1.00000  161.558635     .000000     .000000     .000000     .000000     .000000

ELEM     240 ================== LENGTH =   49.604034

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  137.131198     .000000     .000000     .000000     .000000     .000000
0.50000  137.131198     .000000     .000000     .000000     .000000     .000000
1.00000  137.131198     .000000     .000000     .000000     .000000     .000000

ELEM     241 ================== LENGTH =   35.588312

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  126.669806     .000000     .000000     .000000     .000000     .000000
0.50000  126.669806     .000000     .000000     .000000     .000000     .000000
1.00000  126.669806     .000000     .000000     .000000     .000000     .000000

ELEM     242 ================== LENGTH =    6.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  156.955439   13.254116    1.88E-16     .000000    1.13E-15   79.524697
0.25000  156.955439   13.254116    1.88E-16     .000000    8.48E-16   59.643523
0.50000  156.955439   13.254116    1.88E-16     .000000    5.65E-16   39.762349
0.75000  156.955439   13.254116    1.88E-16     .000000    2.83E-16   19.881174
1.00000  156.955439   13.254116    1.88E-16     .000000    2.27E-28    2.18E-11

ELEM     243 ================== LENGTH =   91.522018

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   62.209855     .000000     .000000     .000000     .000000     .000000
0.50000   62.209855     .000000     .000000     .000000     .000000     .000000
1.00000   62.209855     .000000     .000000     .000000     .000000     .000000

ELEM     244 ================== LENGTH =    8.512400

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  295.324354    4.009833    9.86E-17     .000000     .000000     .000000
```

```
0.25000  295.324354    4.009833    9.86E-17     .000000    2.10E-16    8.533325
0.50000  295.324354    4.009833    9.86E-17     .000000    4.20E-16   17.066651
0.75000  295.324354    4.009833    9.86E-17     .000000    6.29E-16   25.599976
1.00000  295.324354    4.009833    9.86E-17     .000000    8.39E-16   34.133301

ELEM     245 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  291.323691    3.151873    7.39E-17     .000000    7.15E-16   34.133092
0.25000  291.323691    3.151873    7.39E-17     .000000    1.15E-15   52.834397
0.50000  291.323691    3.151873    7.39E-17     .000000    1.59E-15   71.645999
0.75000  291.323691    3.151873    7.39E-17     .000000    2.04E-15   90.499142
1.00000  291.323691    3.151873    7.39E-17     .000000    2.48E-15  109.372348

ELEM     246 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  279.158560    1.638744    3.84E-17     .000000    2.46E-15  109.372343
0.25000  279.158560    1.638744    3.84E-17     .000000    2.23E-15   99.819518
0.50000  279.158560    1.638744    3.84E-17     .000000    2.01E-15   90.326726
0.75000  279.158560    1.638744    3.84E-17     .000000    1.79E-15   80.915100
1.00000  279.158560    1.638744    3.84E-17     .000000    1.57E-15   71.616646

ELEM     247 ================== LENGTH =   26.537200

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  406.720688    4.185111    9.41E-17     .000000     .000000     .000000
0.25000  406.720688    4.185111    9.41E-17     .000000    6.24E-16   27.765283
0.50000  406.720688    4.185111    9.41E-17     .000000    1.25E-15   55.530567
0.75000  406.720688    4.185111    9.41E-17     .000000    1.87E-15   83.295850
1.00000  406.720688    4.185111    9.41E-17     .000000    2.50E-15  111.061134

ELEM     248 ================== LENGTH =   31.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  394.022811    1.011341    2.32E-17     .000000    2.48E-15  111.061074
0.25000  394.022811    1.011341    2.32E-17     .000000    2.31E-15  103.782392
0.50000  394.022811    1.011341    2.32E-17     .000000    2.15E-15   96.591266
0.75000  394.022811    1.011341    2.32E-17     .000000    1.99E-15   89.508800
1.00000  394.022811    1.011341    2.32E-17     .000000    1.83E-15   82.562965

ELEM     249 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1796.598    0.818440    1.83E-17     .000000     .000000     .000000
0.25000    1796.598    0.818440    1.83E-17     .000000    2.19E-16    9.821283
0.50000    1796.598    0.818440    1.83E-17     .000000    4.38E-16   19.642566
0.75000    1796.598    0.818440    1.83E-17     .000000    6.58E-16   29.463849
1.00000    1796.598    0.818440    1.83E-17     .000000    8.77E-16   39.285132

ELEM     250 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	1786.468	1.636882	3.69E-17	.000000	8.86E-16	39.285171
0.25000	1786.468	1.636882	3.69E-17	.000000	6.64E-16	29.463878
0.50000	1786.468	1.636882	3.69E-17	.000000	4.43E-16	19.642585
0.75000	1786.468	1.636882	3.69E-17	.000000	2.21E-16	9.821293
1.00000	1786.468	1.636882	3.69E-17	.000000	2.40E-30	1.30E-13

ELEM 251 ========== LENGTH = 60.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	27.786814	0.219308	4.89E-18	.000000	.000000	.000000
0.25000	27.786814	0.219308	4.89E-18	.000000	7.33E-17	3.289615
0.50000	27.786814	0.219308	4.89E-18	.000000	1.47E-16	6.579230
0.75000	27.786814	0.219308	4.89E-18	.000000	2.20E-16	9.868845
1.00000	27.786814	0.219308	4.89E-18	.000000	2.93E-16	13.158460

ELEM 252 ========== LENGTH = 12.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	28.029384	1.096542	2.57E-17	.000000	3.08E-16	13.158501
0.25000	28.029384	1.096542	2.57E-17	.000000	2.31E-16	9.868876
0.50000	28.029384	1.096542	2.57E-17	.000000	1.54E-16	6.579251
0.75000	28.029384	1.096542	2.57E-17	.000000	7.71E-17	3.289625
1.00000	28.029384	1.096542	2.57E-17	.000000	2.50E-30	5.23E-13

```
                    S A P 2 0 0 0

                Structural Analysis Programs

                       Version 7.40

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   C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES

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                   results produced by this program

                     5 Apr 2005  20:11:59


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 S Y S T E M   D A T A


 STEADY STATE LOAD FREQUENCY  - - - - - - - -  0.0000E+00

 LENGTH UNITS - - - - - - - - - - - - - - - -          IN
 FORCE  UNITS - - - - - - - - - - - - - - - -          LB

 UP DIRECTION - - - - - - - - - - - - - - - -          +Z

 GLOBAL DEGREES OF FREEDOM  - - - - - - - - -          UX
                            - - - - - - - - -          UZ
                            - - - - - - - - -          RY

 PAGINATION BY  - - - - - - - - - - - - - - -    SECTIONS
 NUMBER OF LINES PER PAGE - - - - - - - - - -          59
 INCLUDE WARNING MESSAGES IN OUTPUT FILE  - -           Y
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G E N E R A T E D J O I N T C O O R D I N A T E S

JOINT	X	Y	Z
2	130.625	120.000	548.219
3	562.625	120.000	548.219
A3	166.625	120.000	0.000
A4	238.625	120.000	0.000
A5	310.625	120.000	0.000
A6	382.625	120.000	0.000
A7	454.625	120.000	0.000
A8	526.625	120.000	0.000
B3	166.625	120.000	50.500
B4	238.625	120.000	50.500
B5	310.625	120.000	50.500
B6	382.625	120.000	50.500
B7	454.625	120.000	50.500
B8	526.625	120.000	50.500
C3	166.625	120.000	98.500
C4	238.625	120.000	98.500
C7	454.625	120.000	98.500
C8	526.625	120.000	98.500
D2	94.625	120.000	146.500
D3	166.625	120.000	146.500
D4	238.625	120.000	146.500
D5	310.625	120.000	146.500
D6	382.625	120.000	146.500
D7	454.625	120.000	146.500
D8	526.625	120.000	146.500
D9	598.625	120.000	146.500
E2	94.625	120.000	162.250
E3	166.625	120.000	162.250
E4	238.625	120.000	162.250
E5	310.625	120.000	162.250
E6	382.625	120.000	162.250
E7	454.625	120.000	162.250
E8	526.625	120.000	162.250
E9	598.625	120.000	162.250
F2	94.625	120.000	195.000
F3	166.625	120.000	195.000
F8	526.625	120.000	195.000
F9	598.625	120.000	195.000
G2	94.625	120.000	243.000
G3	166.625	120.000	243.000
G4	238.625	120.000	243.000
G5	310.625	120.000	243.000
G6	382.625	120.000	243.000
G7	454.625	120.000	243.000
G8	526.625	120.000	243.000
G9	598.625	120.000	243.000
H2	94.625	120.000	291.000
H3	166.625	120.000	291.000
H8	526.625	120.000	291.000
H9	598.625	120.000	291.000
I1	82.113	120.000	339.000
I2	94.625	120.000	339.000
I3	166.625	120.000	339.000
I4	238.625	120.000	339.000
I5	310.625	120.000	339.000
I6	382.625	120.000	339.000

I7	454.625	120.000	339.000
I8	526.625	120.000	339.000
I9	598.625	120.000	339.000
J1	69.600	120.000	387.000
J2	94.625	120.000	387.000
J3	166.625	120.000	387.000
J8	526.625	120.000	387.000
J9	598.625	120.000	387.000
K1	57.088	120.000	435.000
K2	94.625	120.000	435.000
K3	166.625	120.000	435.000
K4	238.625	120.000	435.000
K5	310.625	120.000	435.000
K6	382.625	120.000	435.000
K7	454.625	120.000	435.000
K8	526.625	120.000	435.000
K9	598.625	120.000	435.000
L1	44.575	120.000	483.000
L2	94.625	120.000	483.000
L3	166.625	120.000	483.000
L8	526.625	120.000	483.000
L9	598.625	120.000	483.000
M1	32.063	120.000	531.000
M2	94.625	120.000	531.000
M3	166.625	120.000	531.000
M4	238.625	120.000	531.000
M5	310.625	120.000	531.000
M6	382.625	120.000	531.000
M7	454.625	120.000	531.000
M8	526.625	120.000	531.000
M9	598.625	120.000	531.000
N1	23.086	120.000	565.437
N2	94.625	120.000	565.437
N3	166.625	120.000	565.437
N8	526.625	120.000	565.437
N9	598.625	120.000	565.437
O4	238.625	120.000	641.000
O7	454.625	120.000	641.000
P1	0.000	120.000	654.000
P2	94.625	120.000	654.000
P3	166.625	120.000	654.000
P4	238.625	120.000	654.000
P5	310.625	120.000	654.000
P6	382.625	120.000	654.000
P7	454.625	120.000	654.000
P8	526.625	120.000	654.000
P9	598.625	120.000	654.000
E2A	130.625	120.000	162.250
E2B	154.625	120.000	162.250
E3A	178.625	120.000	162.250
E3B	202.625	120.000	162.250
E3C	226.625	120.000	162.250
E4A	250.625	120.000	162.250
E4B	280.625	120.000	162.250
E6A	412.625	120.000	162.250
E6B	442.625	120.000	162.250
E7A	466.625	120.000	162.250
E7B	490.625	120.000	162.250
E7C	514.625	120.000	162.250
E8A	538.625	120.000	162.250
E8B	562.625	120.000	162.250
G2A	109.625	120.000	243.000
G2B	133.625	120.000	243.000

G2C	157.625	120.000	243.000
G3A	181.625	120.000	243.000
G3B	205.625	120.000	243.000
G3C	229.625	120.000	243.000
G4A	264.625	120.000	243.000
G6A	428.625	120.000	243.000
G7A	463.625	120.000	243.000
G7B	487.625	120.000	243.000
G7C	511.625	120.000	243.000
G8A	535.625	120.000	243.000
G8B	559.625	120.000	243.000
G8C	583.625	120.000	243.000
I10	611.137	120.000	339.000
I1A	86.113	120.000	339.000
I2A	110.113	120.000	339.000
I2B	134.113	120.000	339.000
I2C	158.113	120.000	339.000
I3A	182.113	120.000	339.000
I3B	206.113	120.000	339.000
I3C	230.113	120.000	339.000
I4A	250.625	120.000	339.000
I6A	442.625	120.000	339.000
I7A	463.137	120.000	339.000
I7B	487.137	120.000	339.000
I7C	511.137	120.000	339.000
I8A	535.137	120.000	339.000
I8B	559.137	120.000	339.000
I8C	583.137	120.000	339.000
I9A	607.137	120.000	339.000
J10	623.650	120.000	387.000
K10	636.162	120.000	435.000
K1A	61.088	120.000	435.000
K1B	85.088	120.000	435.000
K2A	109.088	120.000	435.000
K2B	133.088	120.000	435.000
K2C	157.088	120.000	435.000
K3A	181.088	120.000	435.000
K3B	212.088	120.000	435.000
K7A	481.162	120.000	435.000
K7B	512.162	120.000	435.000
K8A	536.162	120.000	435.000
K8B	560.162	120.000	435.000
K8C	584.162	120.000	435.000
K9A	608.162	120.000	435.000
K9B	632.162	120.000	435.000
L10	648.675	120.000	483.000
M10	661.187	120.000	531.000
M3A	190.625	120.000	531.000
M7A	502.625	120.000	531.000
N10	670.164	120.000	565.437
N1A	29.086	120.000	565.437
N1B	53.086	120.000	565.437
N1C	77.086	120.000	565.437
N2A	101.086	120.000	565.437
N2B	125.086	120.000	565.437
N2C	149.086	120.000	565.437
N8A	544.164	120.000	565.437
N8B	568.164	120.000	565.437
N8C	592.164	120.000	565.437
N9A	616.164	120.000	565.437
N9B	640.164	120.000	565.437
N9C	664.164	120.000	565.437
P10	693.250	120.000	654.000

```
   2SEC1         94.625        120.000        514.500
   3SEC1        166.625        120.000        514.500
   4SEC1        238.625        120.000        514.500
   5SEC1        310.625        120.000        514.500
   6SEC1        382.625        120.000        514.500
   7SEC1        454.625        120.000        514.500
   8SEC1        526.625        120.000        514.500
   9SEC1        598.625        120.000        514.500

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 P A T T E R N S

 PATTERN     JOINT       VALUE
 DEFAULT

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 R E S T R A I N T   D A T A

   JOINT
      A3        U1        U2        U3
      A4        U1        U2        U3
      A5        U1        U2        U3
      A6        U1        U2        U3
      A7        U1        U2        U3
      A8        U1        U2        U3
      D2        U1        U2        U3
      D9        U1        U2        U3

C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE    5
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 C O N S T R A I N T   D A T A

  CONSTR    TYPE    CSYS  AXIS  DEGREES OF FREEDOM

     PO4   EQUAL       0         UX
     PO7   EQUAL       0         UX

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 C O N S T R A I N T   D A T A

  CONSTR
         JOINTS
     PO4
              O4      P4
     PO7
              O7      P7
```

J O I N T M A S S E S

JOINT	U1	U2	U3	R1	R2	R3
D2	0.615E-01	0.615E-01	0.615E-01	0.000E+00	0.000E+00	0.000E+00
D9	0.615E-01	0.615E-01	0.615E-01	0.000E+00	0.000E+00	0.000E+00
E2	0.189E+00	0.189E+00	0.189E+00	0.000E+00	0.000E+00	0.000E+00
E9	0.189E+00	0.189E+00	0.189E+00	0.000E+00	0.000E+00	0.000E+00
F2	0.315E+00	0.315E+00	0.315E+00	0.000E+00	0.000E+00	0.000E+00
F9	0.315E+00	0.315E+00	0.315E+00	0.000E+00	0.000E+00	0.000E+00
G2	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
G9	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
H2	0.533E+00	0.533E+00	0.533E+00	0.000E+00	0.000E+00	0.000E+00
H9	0.533E+00	0.533E+00	0.533E+00	0.000E+00	0.000E+00	0.000E+00
I1	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
J1	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
K1	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
L1	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
M1	0.137E+01	0.137E+01	0.137E+01	0.000E+00	0.000E+00	0.000E+00
M2	0.145E+01	0.145E+01	0.145E+01	0.000E+00	0.000E+00	0.000E+00
M3	0.828E+00	0.828E+00	0.828E+00	0.000E+00	0.000E+00	0.000E+00
M4	0.828E+00	0.828E+00	0.828E+00	0.000E+00	0.000E+00	0.000E+00
M5	0.149E+01	0.149E+01	0.149E+01	0.000E+00	0.000E+00	0.000E+00
M6	0.280E+01	0.280E+01	0.280E+01	0.000E+00	0.000E+00	0.000E+00
M7	0.828E+00	0.828E+00	0.828E+00	0.000E+00	0.000E+00	0.000E+00
M8	0.828E+00	0.828E+00	0.828E+00	0.000E+00	0.000E+00	0.000E+00
M9	0.145E+01	0.145E+01	0.145E+01	0.000E+00	0.000E+00	0.000E+00
N1	0.264E+01	0.264E+01	0.264E+01	0.000E+00	0.000E+00	0.000E+00
N2	0.141E+02	0.141E+02	0.141E+02	0.000E+00	0.000E+00	0.000E+00
N3	0.119E+02	0.119E+02	0.119E+02	0.000E+00	0.000E+00	0.000E+00
N8	0.119E+02	0.119E+02	0.119E+02	0.000E+00	0.000E+00	0.000E+00
N9	0.141E+02	0.141E+02	0.141E+02	0.000E+00	0.000E+00	0.000E+00
P1	0.262E+01	0.262E+01	0.262E+01	0.000E+00	0.000E+00	0.000E+00
P2	0.452E+01	0.452E+01	0.452E+01	0.000E+00	0.000E+00	0.000E+00
P3	0.393E+01	0.393E+01	0.393E+01	0.000E+00	0.000E+00	0.000E+00
P5	0.326E+01	0.326E+01	0.326E+01	0.000E+00	0.000E+00	0.000E+00
P6	0.326E+01	0.326E+01	0.326E+01	0.000E+00	0.000E+00	0.000E+00
P8	0.611E+01	0.611E+01	0.611E+01	0.000E+00	0.000E+00	0.000E+00
P9	0.619E+01	0.619E+01	0.619E+01	0.000E+00	0.000E+00	0.000E+00
E2A	0.159E+00	0.159E+00	0.159E+00	0.000E+00	0.000E+00	0.000E+00
E2B	0.273E+00	0.273E+00	0.273E+00	0.000E+00	0.000E+00	0.000E+00
E3A	0.238E+00	0.238E+00	0.238E+00	0.000E+00	0.000E+00	0.000E+00
E3B	0.238E+00	0.238E+00	0.238E+00	0.000E+00	0.000E+00	0.000E+00
E3C	0.203E+00	0.203E+00	0.203E+00	0.000E+00	0.000E+00	0.000E+00
E4A	0.203E+00	0.203E+00	0.203E+00	0.000E+00	0.000E+00	0.000E+00
E4B	0.201E+00	0.201E+00	0.201E+00	0.000E+00	0.000E+00	0.000E+00
E6A	0.201E+00	0.201E+00	0.201E+00	0.000E+00	0.000E+00	0.000E+00
E6B	0.203E+00	0.203E+00	0.203E+00	0.000E+00	0.000E+00	0.000E+00
E7A	0.203E+00	0.203E+00	0.203E+00	0.000E+00	0.000E+00	0.000E+00
E7B	0.238E+00	0.238E+00	0.238E+00	0.000E+00	0.000E+00	0.000E+00
E7C	0.238E+00	0.238E+00	0.238E+00	0.000E+00	0.000E+00	0.000E+00
E8A	0.273E+00	0.273E+00	0.273E+00	0.000E+00	0.000E+00	0.000E+00
E8B	0.159E+00	0.159E+00	0.159E+00	0.000E+00	0.000E+00	0.000E+00
G2A	0.349E+00	0.349E+00	0.349E+00	0.000E+00	0.000E+00	0.000E+00
G2B	0.598E+00	0.598E+00	0.598E+00	0.000E+00	0.000E+00	0.000E+00
G2C	0.521E+00	0.521E+00	0.521E+00	0.000E+00	0.000E+00	0.000E+00
G3A	0.521E+00	0.521E+00	0.521E+00	0.000E+00	0.000E+00	0.000E+00
G3B	0.444E+00	0.444E+00	0.444E+00	0.000E+00	0.000E+00	0.000E+00
G3C	0.444E+00	0.444E+00	0.444E+00	0.000E+00	0.000E+00	0.000E+00
G4A	0.295E+00	0.295E+00	0.295E+00	0.000E+00	0.000E+00	0.000E+00

G6A	0.295E+00	0.295E+00	0.295E+00	0.000E+00	0.000E+00	0.000E+00
G7A	0.444E+00	0.444E+00	0.444E+00	0.000E+00	0.000E+00	0.000E+00
G7B	0.444E+00	0.444E+00	0.444E+00	0.000E+00	0.000E+00	0.000E+00
G7C	0.521E+00	0.521E+00	0.521E+00	0.000E+00	0.000E+00	0.000E+00
G8A	0.521E+00	0.521E+00	0.521E+00	0.000E+00	0.000E+00	0.000E+00
G8B	0.598E+00	0.598E+00	0.598E+00	0.000E+00	0.000E+00	0.000E+00
G8C	0.349E+00	0.349E+00	0.349E+00	0.000E+00	0.000E+00	0.000E+00
I10	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
I1A	0.379E+00	0.379E+00	0.379E+00	0.000E+00	0.000E+00	0.000E+00
I2A	0.650E+00	0.650E+00	0.650E+00	0.000E+00	0.000E+00	0.000E+00
I2B	0.566E+00	0.566E+00	0.566E+00	0.000E+00	0.000E+00	0.000E+00
I2C	0.566E+00	0.566E+00	0.566E+00	0.000E+00	0.000E+00	0.000E+00
I3A	0.483E+00	0.483E+00	0.483E+00	0.000E+00	0.000E+00	0.000E+00
I3B	0.483E+00	0.483E+00	0.483E+00	0.000E+00	0.000E+00	0.000E+00
I3C	0.161E+00	0.161E+00	0.161E+00	0.000E+00	0.000E+00	0.000E+00
I4A	0.161E+00	0.161E+00	0.161E+00	0.000E+00	0.000E+00	0.000E+00
I6A	0.161E+00	0.161E+00	0.161E+00	0.000E+00	0.000E+00	0.000E+00
I7A	0.161E+00	0.161E+00	0.161E+00	0.000E+00	0.000E+00	0.000E+00
I7B	0.483E+00	0.483E+00	0.483E+00	0.000E+00	0.000E+00	0.000E+00
I7C	0.483E+00	0.483E+00	0.483E+00	0.000E+00	0.000E+00	0.000E+00
I8A	0.566E+00	0.566E+00	0.566E+00	0.000E+00	0.000E+00	0.000E+00
I8B	0.566E+00	0.566E+00	0.566E+00	0.000E+00	0.000E+00	0.000E+00
I8C	0.650E+00	0.650E+00	0.650E+00	0.000E+00	0.000E+00	0.000E+00
I9A	0.379E+00	0.379E+00	0.379E+00	0.000E+00	0.000E+00	0.000E+00
J10	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
K10	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
K1A	0.445E+00	0.445E+00	0.445E+00	0.000E+00	0.000E+00	0.000E+00
K1B	0.763E+00	0.763E+00	0.763E+00	0.000E+00	0.000E+00	0.000E+00
K2A	0.665E+00	0.665E+00	0.665E+00	0.000E+00	0.000E+00	0.000E+00
K2B	0.665E+00	0.665E+00	0.665E+00	0.000E+00	0.000E+00	0.000E+00
K2C	0.567E+00	0.567E+00	0.567E+00	0.000E+00	0.000E+00	0.000E+00
K3A	0.567E+00	0.567E+00	0.567E+00	0.000E+00	0.000E+00	0.000E+00
K3B	0.377E+00	0.377E+00	0.377E+00	0.000E+00	0.000E+00	0.000E+00
K7A	0.377E+00	0.377E+00	0.377E+00	0.000E+00	0.000E+00	0.000E+00
K7B	0.567E+00	0.567E+00	0.567E+00	0.000E+00	0.000E+00	0.000E+00
K8A	0.567E+00	0.567E+00	0.567E+00	0.000E+00	0.000E+00	0.000E+00
K8B	0.665E+00	0.665E+00	0.665E+00	0.000E+00	0.000E+00	0.000E+00
K8C	0.665E+00	0.665E+00	0.665E+00	0.000E+00	0.000E+00	0.000E+00
K9A	0.763E+00	0.763E+00	0.763E+00	0.000E+00	0.000E+00	0.000E+00
K9B	0.445E+00	0.445E+00	0.445E+00	0.000E+00	0.000E+00	0.000E+00
L10	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
M10	0.137E+01	0.137E+01	0.137E+01	0.000E+00	0.000E+00	0.000E+00
M3A	0.216E+00	0.216E+00	0.216E+00	0.000E+00	0.000E+00	0.000E+00
M7A	0.216E+00	0.216E+00	0.216E+00	0.000E+00	0.000E+00	0.000E+00
N10	0.264E+01	0.264E+01	0.264E+01	0.000E+00	0.000E+00	0.000E+00
N1A	0.255E+00	0.255E+00	0.255E+00	0.000E+00	0.000E+00	0.000E+00
N1B	0.438E+00	0.438E+00	0.438E+00	0.000E+00	0.000E+00	0.000E+00
N1C	0.382E+00	0.382E+00	0.382E+00	0.000E+00	0.000E+00	0.000E+00
N2A	0.382E+00	0.382E+00	0.382E+00	0.000E+00	0.000E+00	0.000E+00
N2B	0.325E+00	0.325E+00	0.325E+00	0.000E+00	0.000E+00	0.000E+00
N2C	0.325E+00	0.325E+00	0.325E+00	0.000E+00	0.000E+00	0.000E+00
N8A	0.325E+00	0.325E+00	0.325E+00	0.000E+00	0.000E+00	0.000E+00
N8B	0.325E+00	0.325E+00	0.325E+00	0.000E+00	0.000E+00	0.000E+00
N8C	0.382E+00	0.382E+00	0.382E+00	0.000E+00	0.000E+00	0.000E+00
N9A	0.382E+00	0.382E+00	0.382E+00	0.000E+00	0.000E+00	0.000E+00
N9B	0.438E+00	0.438E+00	0.438E+00	0.000E+00	0.000E+00	0.000E+00
N9C	0.255E+00	0.255E+00	0.255E+00	0.000E+00	0.000E+00	0.000E+00
P10	0.309E+01	0.309E+01	0.309E+01	0.000E+00	0.000E+00	0.000E+00

J O I N T S P R I N G S

```
  JOINT
      2              U1         U2         U3         R1         R2         R3
        R2                                                     0.100E+01  0.000E+00

  JOINT
      3              U1         U2         U3         R1         R2         R3
        R2                                                     0.100E+01  0.000E+00

  JOINT
     A3              U1         U2         U3         R1         R2         R3
        R2                                                     0.100E+01  0.000E+00

  JOINT
     A4              U1         U2         U3         R1         R2         R3
        R2                                                     0.100E+01  0.000E+00

  JOINT
     A5              U1         U2         U3         R1         R2         R3
        R2                                                     0.100E+01  0.000E+00

  JOINT
     A6              U1         U2         U3         R1         R2         R3
        R2                                                     0.100E+01  0.000E+00

  JOINT
     A7              U1         U2         U3         R1         R2         R3
        R2                                                     0.100E+01  0.000E+00

  JOINT
     A8              U1         U2         U3         R1         R2         R3
        R2                                                     0.100E+01  0.000E+00

  JOINT
     B3              U1         U2         U3         R1         R2         R3
        R2                                                     0.100E+01  0.000E+00

  JOINT
     B4              U1         U2         U3         R1         R2         R3
        R2                                                     0.100E+01  0.000E+00

  JOINT
     B5              U1         U2         U3         R1         R2         R3
        R2                                                     0.100E+01  0.000E+00

  JOINT
     B6              U1         U2         U3         R1         R2         R3
        R2                                                     0.100E+01  0.000E+00

  JOINT
     B7              U1         U2         U3         R1         R2         R3
        R2                                                     0.100E+01  0.000E+00

  JOINT
     B8              U1         U2         U3         R1         R2         R3
        R2                                                     0.100E+01  0.000E+00

  JOINT
     C3              U1         U2         U3         R1         R2         R3
        R2                                                     0.100E+01  0.000E+00
```

```
JOINT
   C4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   C7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   C8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   D2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   D3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   D4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   D5              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   D6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   D7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   D8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   D9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E5              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00
```

```
JOINT
   E7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   F2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   F3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   F8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   F9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   G2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   G3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   G4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   G5              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   G6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   G7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   G8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   G9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   H2              U1         U2         U3         R1         R2         R3
```

```
        U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   H3               U1         U2         U3         R1         R2         R3
        R2                                                0.100E+01  0.000E+00

JOINT
   H8               U1         U2         U3         R1         R2         R3
        R2                                                0.100E+01  0.000E+00

JOINT
   H9               U1         U2         U3         R1         R2         R3
        U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   I1               U1         U2         U3         R1         R2         R3
        U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   I2               U1         U2         U3         R1         R2         R3
        R2                                                0.100E+01  0.000E+00

JOINT
   I3               U1         U2         U3         R1         R2         R3
        R2                                                0.100E+01  0.000E+00

JOINT
   I4               U1         U2         U3         R1         R2         R3
        R2                                                0.100E+01  0.000E+00

JOINT
   I5               U1         U2         U3         R1         R2         R3
        R2                                                0.100E+01  0.000E+00

JOINT
   I6               U1         U2         U3         R1         R2         R3
        R2                                                0.100E+01  0.000E+00

JOINT
   I7               U1         U2         U3         R1         R2         R3
        R2                                                0.100E+01  0.000E+00

JOINT
   I8               U1         U2         U3         R1         R2         R3
        R2                                                0.100E+01  0.000E+00

JOINT
   I9               U1         U2         U3         R1         R2         R3
        R2                                                0.100E+01  0.000E+00

JOINT
   J1               U1         U2         U3         R1         R2         R3
        U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                0.100E+01  0.000E+00

JOINT
   J2               U1         U2         U3         R1         R2         R3
        R2                                                0.100E+01  0.000E+00

JOINT
```

```
   J3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   J8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   J9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K1              U1         U2         U3         R1         R2         R3
       U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00

JOINT
   K2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K5              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   L1              U1         U2         U3         R1         R2         R3
       U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00

JOINT
   L2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   L3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   L8              U1         U2         U3         R1         R2         R3
```

```
        R2                                                  0.100E+01  0.000E+00

JOINT
   L9              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   M1              U1         U2         U3         R1         R2         R3
        U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   M2              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   M3              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   M4              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   M5              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   M6              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   M7              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   M8              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   M9              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   N1              U1         U2         U3         R1         R2         R3
        U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   N2              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   N3              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   N8              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   N9              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00
```

```
JOINT
   O4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   O7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P1              U1         U2         U3         R1         R2         R3
       U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00

JOINT
   P2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P5              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E2A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E2B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E3A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E3B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
```

```
  E3C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E4A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E4B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E6A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E6B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E7A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E7B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E7C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E8A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E8B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G2A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G2B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G2C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G3A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G3B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G3C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00
```

```
JOINT
  G4A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G6A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G7A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G7B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G7C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G8A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G8B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G8C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I10              U1         U2         U3         R1         R2         R3
       U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00

JOINT
  I1A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I2A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I2B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I2C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I3A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I3B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I3C              U1         U2         U3         R1         R2         R3
```

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        R2                                                  0.100E+01  0.000E+00

JOINT
  I4A              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  I6A              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  I7A              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  I7B              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  I7C              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  I8A              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  I8B              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  I8C              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  I9A              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  J10              U1         U2         U3         R1         R2         R3
        U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
  K10              U1         U2         U3         R1         R2         R3
        U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
  K1A              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  K1B              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  K2A              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  K2B              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00
```

```
JOINT
  K2C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K3A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K3B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K7A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K7B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K8A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K8B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K8C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K9A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K9B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  L10              U1         U2         U3         R1         R2         R3
       U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00

JOINT
  M10              U1         U2         U3         R1         R2         R3
       U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00

JOINT
  M3A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  M7A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N10              U1         U2         U3         R1         R2         R3
       U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00
```

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JOINT
  N1A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N1B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N1C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N2A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N2B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N2C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N8A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N8B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N8C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N9A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N9B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N9C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  P10              U1         U2         U3         R1         R2         R3
       U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00

JOINT
2SEC1              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
3SEC1              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
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   4SEC1              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

   JOINT
   5SEC1              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

   JOINT
   6SEC1              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

   JOINT
   7SEC1              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

   JOINT
   8SEC1              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

   JOINT
   9SEC1              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00


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 M A T E R I A L   P R O P E R T Y   D A T A

     MAT    NUMBER     WEIGHT PER       MASS PER    DESIGN
   LABEL     TEMPS       UNIT VOL       UNIT VOL      CODE

   STEEL         1     0.2830E+00     0.7324E-03         S
    CONC         1     0.8680E-01     0.2246E-03         C
   OTHER         1     0.8680E-01     0.2246E-03         N
    WOOD         1     0.1852E-01     0.4793E-04         N


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 T E M P E R A T U R E   D E P E N D E N T   D A T A

 MATERIAL PROPERTIES

     MAT      TEMP         MODULUS OF ELASTICITY          SHEAR MODULII
   LABEL                  E1        E2        E3       G12       G13       G23

   STEEL      0.00 0.290E+08 0.290E+08 0.290E+08 0.112E+08 0.112E+08 0.112E+08

    CONC      0.00 0.360E+07 0.360E+07 0.360E+07 0.150E+07 0.150E+07 0.150E+07

   OTHER      0.00 0.360E+07 0.360E+07 0.360E+07 0.150E+07 0.150E+07 0.150E+07

    WOOD      0.00 0.140E+07 0.140E+07 0.140E+07 0.538E+06 0.538E+06 0.538E+06


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T E M P E R A T U R E D E P E N D E N T D A T A

THERMAL EXPANSION COEFFICIENTS

MAT LABEL	TEMP	COEFFICIENTS OF THERMAL EXPANSION A1	A2	A3	A12	A13	A23
STEEL	0.00	0.650E-05	0.650E-05	0.650E-05	0.000E+00	0.000E+00	0.000E+00
CONC	0.00	0.550E-05	0.550E-05	0.550E-05	0.000E+00	0.000E+00	0.000E+00
OTHER	0.00	0.550E-05	0.550E-05	0.550E-05	0.000E+00	0.000E+00	0.000E+00
WOOD	0.00	0.650E-05	0.650E-05	0.650E-05	0.000E+00	0.000E+00	0.000E+00

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T E M P E R A T U R E D E P E N D E N T D A T A

MATERIAL PROPERTIES

MAT LABEL	TEMP	POISSONS RATIO U12	U13	U23	U14	U24	U34	U15	U25	U35	U45	U16	U26	U36	U46	U56
STEEL	0.00	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CONC	0.00	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER	0.00	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WOOD	0.00	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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MATERIAL PROPERTIES

MAT LABEL	TEMP	YIELD FY
CONC	0.00	36.00

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	SHAPE TYPE	DEPTH	FLANGE WIDTH TOP	FLANGE THICK TOP	WEB THICK	FLANGE WIDTH BOTTOM	FLANGE THICK BOTTOM
4X4	R	3.500	3.500				
2X2X4	R	3.500	3.000				
2X2X6	R	5.500	3.000				
2X4X4	R	7.000	3.200				
4X6	R	5.500	3.500				

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	AXIAL AREA	TORSIONAL CONSTANT	MOMENTS OF INERTIA I33	I22	SHEAR AREAS A2	A3
4X4	0.123E+02	0.211E+02	0.125E+02	0.125E+02	0.102E+02	0.102E+02
2X2X4	0.105E+02	0.153E+02	0.107E+02	0.788E+01	0.875E+01	0.875E+01
2X2X6	0.165E+02	0.326E+02	0.416E+02	0.124E+02	0.138E+02	0.138E+02
2X4X4	0.224E+02	0.545E+02	0.915E+02	0.191E+02	0.187E+02	0.187E+02
4X6	0.193E+02	0.475E+02	0.485E+02	0.197E+02	0.160E+02	0.160E+02

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	MAT LABEL	ADDITIONAL MASS PER LENGTH	ADDITIONAL WEIGHT PER LENGTH
4X4	WOOD	0.000E+00	0.000E+00
2X2X4	WOOD	0.000E+00	0.000E+00
2X2X6	WOOD	0.000E+00	0.000E+00
2X4X4	WOOD	0.000E+00	0.000E+00
4X6	WOOD	0.000E+00	0.000E+00

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F R A M E E L E M E N T D A T A

ELEMENT LABEL	JOINT END-I	JOINT END-J	ELEMENT LENGTH	END-OFFSET-LENGTHS END-I	END-J	RIGID-END FACTOR	NUMBER OF SEGMENTS
1	N1	P1	91.522	0.000	0.000	0.0000	2
2	M1	N1	35.588	0.000	0.000	0.0000	2
3	L1	M1	49.604	0.000	0.000	0.0000	2
4	P1	P2	94.625	0.000	0.000	0.0000	4
5	K1	L1	49.604	0.000	0.000	0.0000	2
6	I6	I6A	60.000	0.000	0.000	0.0000	4
7	K1A	K1	4.000	0.000	0.000	0.0000	4
8	J1	K1	49.604	0.000	0.000	0.0000	2
9	M2	M1	62.562	0.000	0.000	0.0000	4
10	L2	L1	50.050	0.000	0.000	0.0000	4
11	I1	J1	49.604	0.000	0.000	0.0000	2
12	K1B	K1A	24.000	0.000	0.000	0.0000	4
13	J2	J1	25.025	0.000	0.000	0.0000	4
14	I1A	I1	4.000	0.000	0.000	0.0000	4
15	H2	I1	49.604	0.000	0.000	0.0000	2
16	N2	N1C	17.539	0.000	0.000	0.0000	4
17	I2	I1A	8.512	0.000	0.000	0.0000	4
18	K2	K1B	9.537	0.000	0.000	0.0000	4
19	D2	E2	15.750	0.000	0.000	0.0000	2

20	E2	F2	32.750	0.000	0.000	0.0000	2
21	F2	G2	48.000	0.000	0.000	0.0000	2
22	G2	H2	48.000	0.000	0.000	0.0000	2
23	H2	I2	48.000	0.000	0.000	0.0000	2
24	I2	J2	48.000	0.000	0.000	0.0000	2
25	J2	K2	48.000	0.000	0.000	0.0000	2
26	K2	L2	48.000	0.000	0.000	0.0000	2
28	M2	N2	34.437	0.000	0.000	0.0000	2
29	N2	P2	88.563	0.000	0.000	0.0000	2
30	G2	G2A	15.000	0.000	0.000	0.0000	4
31	N2	N2A	6.461	0.000	0.000	0.0000	4
32	I2	I2A	15.488	0.000	0.000	0.0000	4
33	K2	K2A	14.463	0.000	0.000	0.0000	4
34	E2	E2A	36.000	0.000	0.000	0.0000	4
35	M2	2	39.906	0.000	0.000	0.0000	2
36	N2	2	39.906	0.000	0.000	0.0000	2
37	G2A	G2B	24.000	0.000	0.000	0.0000	4
38	N2A	N2B	24.000	0.000	0.000	0.0000	4
39	I2A	I2B	24.000	0.000	0.000	0.0000	4
40	K2A	K2B	24.000	0.000	0.000	0.0000	4
41	E3	F2	79.098	0.000	0.000	0.0000	2
43	F2	F3	72.000	0.000	0.000	0.0000	4
44	G2	H3	86.533	0.000	0.000	0.0000	2
45	H2	H3	72.000	0.000	0.000	0.0000	4
46	I2	J3	86.533	0.000	0.000	0.0000	2
47	J2	J3	72.000	0.000	0.000	0.0000	4
48	K2	L3	86.533	0.000	0.000	0.0000	2
49	L2	L3	72.000	0.000	0.000	0.0000	4
50	M2	M3	72.000	0.000	0.000	0.0000	4
51	P2	P3	72.000	0.000	0.000	0.0000	4
52	E2A	E2B	24.000	0.000	0.000	0.0000	4
53	G2B	G2C	24.000	0.000	0.000	0.0000	4
54	N2B	N2C	24.000	0.000	0.000	0.0000	4
55	I2B	I2C	24.000	0.000	0.000	0.0000	4
56	2	M3	39.906	0.000	0.000	0.0000	2
57	2	N3	39.906	0.000	0.000	0.0000	2
58	K2B	K2C	24.000	0.000	0.000	0.0000	4
59	E2B	E3	12.000	0.000	0.000	0.0000	4
60	G2C	G3	9.000	0.000	0.000	0.0000	4
61	N2C	N3	17.539	0.000	0.000	0.0000	4
62	I2C	I3	8.512	0.000	0.000	0.0000	4
63	K2C	K3	9.537	0.000	0.000	0.0000	4
64	A3	B3	50.500	0.000	0.000	0.0000	2
65	B3	C3	48.000	0.000	0.000	0.0000	2
66	C3	D3	48.000	0.000	0.000	0.0000	2
67	D3	E3	15.750	0.000	0.000	0.0000	2
68	E3	F3	32.750	0.000	0.000	0.0000	2
69	F3	G3	48.000	0.000	0.000	0.0000	2
70	G3	H3	48.000	0.000	0.000	0.0000	2
71	H3	I3	48.000	0.000	0.000	0.0000	2
72	I3	J3	48.000	0.000	0.000	0.0000	2
73	J3	K3	48.000	0.000	0.000	0.0000	2
74	K3	L3	48.000	0.000	0.000	0.0000	2
76	M3	N3	34.437	0.000	0.000	0.0000	2
77	N3	P3	88.563	0.000	0.000	0.0000	2
78	E3	E3A	12.000	0.000	0.000	0.0000	4
79	G3	G3A	15.000	0.000	0.000	0.0000	4
80	I3	I3A	15.488	0.000	0.000	0.0000	4
81	K3	K3A	14.463	0.000	0.000	0.0000	4
82	E3A	E3B	24.000	0.000	0.000	0.0000	4
83	G3A	G3B	24.000	0.000	0.000	0.0000	4
84	I3A	I3B	24.000	0.000	0.000	0.0000	4
85	B3	B4	72.000	0.000	0.000	0.0000	4

86	C3	C4	72.000	0.000	0.000	0.0000	4
87	D3	D4	72.000	0.000	0.000	0.0000	4
90	P3	P4	72.000	0.000	0.000	0.0000	4
91	E3B	E3C	24.000	0.000	0.000	0.0000	4
92	M3	M3A	24.000	0.000	0.000	0.0000	4
93	G3B	G3C	24.000	0.000	0.000	0.0000	4
94	I3B	I3C	24.000	0.000	0.000	0.0000	4
95	E3C	E4	12.000	0.000	0.000	0.0000	4
96	G3C	G4	9.000	0.000	0.000	0.0000	4
97	I3C	I4	8.512	0.000	0.000	0.0000	4
98	A4	B4	50.500	0.000	0.000	0.0000	2
99	B4	C4	48.000	0.000	0.000	0.0000	2
100	C4	D4	48.000	0.000	0.000	0.0000	2
101	D4	E4	15.750	0.000	0.000	0.0000	2
102	E4	G4	80.750	0.000	0.000	0.0000	2
103	G4	I4	96.000	0.000	0.000	0.0000	2
104	I4	K4	96.000	0.000	0.000	0.0000	2
106	M4	O4	110.000	0.000	0.000	0.0000	2
107	O4	P4	13.000	0.000	0.000	0.0000	2
108	E4	E4A	12.000	0.000	0.000	0.0000	4
109	I4	I4A	12.000	0.000	0.000	0.0000	4
110	G4	G4A	26.000	0.000	0.000	0.0000	4
111	E4A	E4B	30.000	0.000	0.000	0.0000	4
112	B4	B5	72.000	0.000	0.000	0.0000	4
113	D4	D5	72.000	0.000	0.000	0.0000	4
115	K4	K5	72.000	0.000	0.000	0.0000	4
116	M4	M5	72.000	0.000	0.000	0.0000	4
118	P4	P5	72.000	0.000	0.000	0.0000	4
119	I4A	I5	60.000	0.000	0.000	0.0000	4
120	G4A	G5	46.000	0.000	0.000	0.0000	4
121	E4B	E5	30.000	0.000	0.000	0.0000	4
122	A5	B5	50.500	0.000	0.000	0.0000	2
123	B5	D5	96.000	0.000	0.000	0.0000	2
124	D5	E5	15.750	0.000	0.000	0.0000	2
125	E5	G5	80.750	0.000	0.000	0.0000	2
126	G5	I5	96.000	0.000	0.000	0.0000	2
127	I5	K5	96.000	0.000	0.000	0.0000	2
129	M5	P5	123.000	0.000	0.000	0.0000	2
132	B5	B6	72.000	0.000	0.000	0.0000	4
133	D5	D6	72.000	0.000	0.000	0.0000	4
134	E5	E6	72.000	0.000	0.000	0.0000	4
135	G5	G6	72.000	0.000	0.000	0.0000	4
136	I5	I6	72.000	0.000	0.000	0.0000	4
137	K5	K6	72.000	0.000	0.000	0.0000	4
138	M5	M6	72.000	0.000	0.000	0.0000	4
139	P5	P6	72.000	0.000	0.000	0.0000	4
142	A6	B6	50.500	0.000	0.000	0.0000	2
143	B6	D6	96.000	0.000	0.000	0.0000	2
144	D6	E6	15.750	0.000	0.000	0.0000	2
145	E6	G6	80.750	0.000	0.000	0.0000	2
146	G6	I6	96.000	0.000	0.000	0.0000	2
147	I6	K6	96.000	0.000	0.000	0.0000	2
149	M6	P6	123.000	0.000	0.000	0.0000	2
150	E6	E6A	30.000	0.000	0.000	0.0000	4
151	G6	G6A	46.000	0.000	0.000	0.0000	4
152	B6	B7	72.000	0.000	0.000	0.0000	4
153	D6	D7	72.000	0.000	0.000	0.0000	4
154	K3A	K3B	31.000	0.000	0.000	0.0000	4
156	K6	K7	72.000	0.000	0.000	0.0000	4
157	M6	M7	72.000	0.000	0.000	0.0000	4
159	P6	P7	72.000	0.000	0.000	0.0000	4
160	E6A	E6B	30.000	0.000	0.000	0.0000	4
161	G6A	G7	26.000	0.000	0.000	0.0000	4

162	E6B	E7	12.000	0.000	0.000	0.0000	4
163	A7	B7	50.500	0.000	0.000	0.0000	2
164	B7	C7	48.000	0.000	0.000	0.0000	2
165	C7	D7	48.000	0.000	0.000	0.0000	2
166	D7	E7	15.750	0.000	0.000	0.0000	2
167	E7	G7	80.750	0.000	0.000	0.0000	2
168	G7	I7	96.000	0.000	0.000	0.0000	2
169	I7	K7	96.000	0.000	0.000	0.0000	2
171	M7	O7	110.000	0.000	0.000	0.0000	2
172	O7	P7	13.000	0.000	0.000	0.0000	2
173	G7	G7A	9.000	0.000	0.000	0.0000	4
174	E7	E7A	12.000	0.000	0.000	0.0000	4
175	G7A	G7B	24.000	0.000	0.000	0.0000	4
176	M3A	M4	48.000	0.000	0.000	0.0000	4
177	I7	I7A	8.512	0.000	0.000	0.0000	4
178	E7A	E7B	24.000	0.000	0.000	0.0000	4
179	B7	B8	72.000	0.000	0.000	0.0000	4
180	C7	C8	72.000	0.000	0.000	0.0000	4
181	D7	D8	72.000	0.000	0.000	0.0000	4
183	L2	2SEC1	31.500	0.000	0.000	0.0000	2
184	P7	P8	72.000	0.000	0.000	0.0000	4
185	G7B	G7C	24.000	0.000	0.000	0.0000	4
186	E7B	E7C	24.000	0.000	0.000	0.0000	4
187	K7B	K8	14.463	0.000	0.000	0.0000	4
188	K3B	K4	26.537	0.000	0.000	0.0000	4
189	G7C	G8	15.000	0.000	0.000	0.0000	4
190	E7C	E8	12.000	0.000	0.000	0.0000	4
191	A8	B8	50.500	0.000	0.000	0.0000	2
192	B8	C8	48.000	0.000	0.000	0.0000	2
193	C8	D8	48.000	0.000	0.000	0.0000	2
194	D8	E8	15.750	0.000	0.000	0.0000	2
195	E8	F8	32.750	0.000	0.000	0.0000	2
196	F8	G8	48.000	0.000	0.000	0.0000	2
197	G8	H8	48.000	0.000	0.000	0.0000	2
198	H8	I8	48.000	0.000	0.000	0.0000	2
199	I8	J8	48.000	0.000	0.000	0.0000	2
200	J8	K8	48.000	0.000	0.000	0.0000	2
201	K8	L8	48.000	0.000	0.000	0.0000	2
203	M8	N8	34.437	0.000	0.000	0.0000	2
204	N8	P8	88.563	0.000	0.000	0.0000	2
205	K8	K8A	9.537	0.000	0.000	0.0000	4
206	I8	I8A	8.512	0.000	0.000	0.0000	4
207	N8	N8A	17.539	0.000	0.000	0.0000	4
208	G8	G8A	9.000	0.000	0.000	0.0000	4
209	E8	E8A	12.000	0.000	0.000	0.0000	4
210	K8A	K8B	24.000	0.000	0.000	0.0000	4
211	M8	3	39.906	0.000	0.000	0.0000	2
212	N8	3	39.906	0.000	0.000	0.0000	2
213	I8A	I8B	24.000	0.000	0.000	0.0000	4
214	N8A	N8B	24.000	0.000	0.000	0.0000	4
215	G8A	G8B	24.000	0.000	0.000	0.0000	4
216	E8A	E8B	24.000	0.000	0.000	0.0000	4
217	E8	F9	79.098	0.000	0.000	0.0000	2
219	F8	F9	72.000	0.000	0.000	0.0000	4
220	H8	G9	86.533	0.000	0.000	0.0000	2
221	H8	H9	72.000	0.000	0.000	0.0000	4
222	J8	I9	86.533	0.000	0.000	0.0000	2
223	J8	J9	72.000	0.000	0.000	0.0000	4
224	L8	K9	86.533	0.000	0.000	0.0000	2
225	L8	L9	72.000	0.000	0.000	0.0000	4
226	M8	M9	72.000	0.000	0.000	0.0000	4
227	P8	P9	72.000	0.000	0.000	0.0000	4
228	K8B	K8C	24.000	0.000	0.000	0.0000	4

229	I8B	I8C	24.000	0.000	0.000	0.0000	4
230	N8B	N8C	24.000	0.000	0.000	0.0000	4
231	G8B	G8C	24.000	0.000	0.000	0.0000	4
232	3	M9	39.906	0.000	0.000	0.0000	2
233	3	N9	39.906	0.000	0.000	0.0000	2
234	E8B	E9	36.000	0.000	0.000	0.0000	4
235	K8C	K9	14.463	0.000	0.000	0.0000	4
236	I8C	I9	15.488	0.000	0.000	0.0000	4
237	N8C	N9	6.461	0.000	0.000	0.0000	4
238	G8C	G9	15.000	0.000	0.000	0.0000	4
239	D9	E9	15.750	0.000	0.000	0.0000	2
240	E9	F9	32.750	0.000	0.000	0.0000	2
241	F9	G9	48.000	0.000	0.000	0.0000	2
242	G9	H9	48.000	0.000	0.000	0.0000	2
243	H9	I9	48.000	0.000	0.000	0.0000	2
244	I9	J9	48.000	0.000	0.000	0.0000	2
245	J9	K9	48.000	0.000	0.000	0.0000	2
246	K9	L9	48.000	0.000	0.000	0.0000	2
248	M9	N9	34.437	0.000	0.000	0.0000	2
249	N9	P9	88.563	0.000	0.000	0.0000	2
250	K9	K9A	9.537	0.000	0.000	0.0000	4
251	I9	I9A	8.512	0.000	0.000	0.0000	4
252	H9	I10	49.604	0.000	0.000	0.0000	2
253	N9	N9A	17.539	0.000	0.000	0.0000	4
254	I9A	I10	4.000	0.000	0.000	0.0000	4
255	J9	J10	25.025	0.000	0.000	0.0000	4
256	K9A	K9B	24.000	0.000	0.000	0.0000	4
257	I10	J10	49.604	0.000	0.000	0.0000	2
258	L9	L10	50.050	0.000	0.000	0.0000	4
259	N9A	N9B	24.000	0.000	0.000	0.0000	4
260	J10	K10	49.604	0.000	0.000	0.0000	2
261	M9	M10	62.562	0.000	0.000	0.0000	4
262	K9B	K10	4.000	0.000	0.000	0.0000	4
263	K10	L10	49.604	0.000	0.000	0.0000	2
264	N9B	N9C	24.000	0.000	0.000	0.0000	4
265	P9	P10	94.625	0.000	0.000	0.0000	4
266	L10	M10	49.604	0.000	0.000	0.0000	2
267	M10	N10	35.588	0.000	0.000	0.0000	2
268	N9C	N10	6.000	0.000	0.000	0.0000	4
269	N10	P10	91.522	0.000	0.000	0.0000	2
270	N1C	N1B	24.000	0.000	0.000	0.0000	4
271	N1B	N1A	24.000	0.000	0.000	0.0000	4
272	N1A	N1	6.000	0.000	0.000	0.0000	4
273	I6A	I7	12.000	0.000	0.000	0.0000	4
274	I7A	I7B	24.000	0.000	0.000	0.0000	4
275	I7B	I7C	24.000	0.000	0.000	0.0000	4
276	I7C	I8	15.488	0.000	0.000	0.0000	4
277	K7	K7A	26.537	0.000	0.000	0.0000	4
278	K7A	K7B	31.000	0.000	0.000	0.0000	4
279	M7	M7A	48.000	0.000	0.000	0.0000	4
280	M7A	M8	24.000	0.000	0.000	0.0000	4
281	2SEC1	M2	16.500	0.000	0.000	0.0000	2
282	L3	3SEC1	31.500	0.000	0.000	0.0000	2
283	3SEC1	M3	16.500	0.000	0.000	0.0000	2
284	K4	4SEC1	79.500	0.000	0.000	0.0000	2
285	4SEC1	M4	16.500	0.000	0.000	0.0000	2
286	K5	5SEC1	79.500	0.000	0.000	0.0000	2
287	5SEC1	M5	16.500	0.000	0.000	0.0000	2
288	K6	6SEC1	79.500	0.000	0.000	0.0000	2
289	6SEC1	M6	16.500	0.000	0.000	0.0000	2
290	K7	7SEC1	79.500	0.000	0.000	0.0000	2
291	7SEC1	M7	16.500	0.000	0.000	0.0000	2
292	L8	8SEC1	31.500	0.000	0.000	0.0000	2

293	8SEC1	M8	16.500	0.000	0.000	0.0000	2
294	L9	9SEC1	31.500	0.000	0.000	0.0000	2
295	9SEC1	M9	16.500	0.000	0.000	0.0000	2

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F R A M E E L E M E N T D A T A

ELEMENT LABEL	SECTION LABEL	LOCAL PLANE	COORD SYSTEM	PLN 1ST	PLN 2ND	PLANE JOINTA	PLANE JOINTB	COORD ANGLE
1	2X2X4	12	0	+Z	+X	0	0	0.00
2	2X2X4	12	0	+Z	+X	0	0	0.00
3	2X2X4	12	0	+Z	+X	0	0	0.00
4	2X2X6	12	0	+Z	+X	0	0	0.00
5	2X2X4	12	0	+Z	+X	0	0	0.00
6	2X2X4	12	0	+Z	+X	0	0	0.00
7	2X2X4	12	0	+Z	+X	0	0	0.00
8	2X2X4	12	0	+Z	+X	0	0	0.00
9	2X2X4	12	0	+Z	+X	0	0	0.00
10	2X2X4	12	0	+Z	+X	0	0	0.00
11	2X2X4	12	0	+Z	+X	0	0	0.00
12	2X2X4	12	0	+Z	+X	0	0	0.00
13	2X2X4	12	0	+Z	+X	0	0	0.00
14	2X2X4	12	0	+Z	+X	0	0	0.00
15	2X2X4	12	0	+Z	+X	0	0	0.00
16	2X2X6	12	0	+Z	+X	0	0	0.00
17	2X2X4	12	0	+Z	+X	0	0	0.00
18	2X2X4	12	0	+Z	+X	0	0	0.00
19	2X4X4	12	0	+Z	+X	0	0	0.00
20	2X4X4	12	0	+Z	+X	0	0	0.00
21	2X4X4	12	0	+Z	+X	0	0	0.00
22	2X4X4	12	0	+Z	+X	0	0	0.00
23	4X4	12	0	+Z	+X	0	0	0.00
24	4X4	12	0	+Z	+X	0	0	0.00
25	4X4	12	0	+Z	+X	0	0	0.00
26	4X4	12	0	+Z	+X	0	0	0.00
28	4X4	12	0	+Z	+X	0	0	0.00
29	4X4	12	0	+Z	+X	0	0	0.00
30	2X2X4	12	0	+Z	+X	0	0	0.00
31	2X2X6	12	0	+Z	+X	0	0	0.00
32	2X2X4	12	0	+Z	+X	0	0	0.00
33	2X2X4	12	0	+Z	+X	0	0	0.00
34	2X2X4	12	0	+Z	+X	0	0	0.00
35	4X4	12	0	+Z	+X	0	0	0.00
36	4X4	12	0	+Z	+X	0	0	0.00
37	2X2X4	12	0	+Z	+X	0	0	0.00
38	2X2X6	12	0	+Z	+X	0	0	0.00
39	2X2X4	12	0	+Z	+X	0	0	0.00
40	2X2X4	12	0	+Z	+X	0	0	0.00
41	2X2X4	12	0	+Z	+X	0	0	0.00
43	2X2X4	12	0	+Z	+X	0	0	0.00
44	2X2X4	12	0	+Z	+X	0	0	0.00
45	2X2X4	12	0	+Z	+X	0	0	0.00
46	2X2X4	12	0	+Z	+X	0	0	0.00
47	2X2X4	12	0	+Z	+X	0	0	0.00
48	2X2X4	12	0	+Z	+X	0	0	0.00
49	2X2X4	12	0	+Z	+X	0	0	0.00
50	2X2X4	12	0	+Z	+X	0	0	0.00
51	2X2X6	12	0	+Z	+X	0	0	0.00

52	2X2X4	12	0	+Z	+X	0	0	0.00
53	2X2X4	12	0	+Z	+X	0	0	0.00
54	2X2X6	12	0	+Z	+X	0	0	0.00
55	2X2X4	12	0	+Z	+X	0	0	0.00
56	4X4	12	0	+Z	+X	0	0	0.00
57	4X4	12	0	+Z	+X	0	0	0.00
58	2X2X4	12	0	+Z	+X	0	0	0.00
59	2X2X4	12	0	+Z	+X	0	0	0.00
60	2X2X4	12	0	+Z	+X	0	0	0.00
61	2X2X6	12	0	+Z	+X	0	0	0.00
62	2X2X4	12	0	+Z	+X	0	0	0.00
63	2X2X4	12	0	+Z	+X	0	0	0.00
64	4X4	12	0	+Z	+X	0	0	0.00
65	4X4	12	0	+Z	+X	0	0	0.00
66	4X4	12	0	+Z	+X	0	0	0.00
67	4X4	12	0	+Z	+X	0	0	0.00
68	4X4	12	0	+Z	+X	0	0	0.00
69	4X4	12	0	+Z	+X	0	0	0.00
70	4X4	12	0	+Z	+X	0	0	0.00
71	4X4	12	0	+Z	+X	0	0	0.00
72	4X4	12	0	+Z	+X	0	0	0.00
73	4X4	12	0	+Z	+X	0	0	0.00
74	4X4	12	0	+Z	+X	0	0	0.00
76	4X4	12	0	+Z	+X	0	0	0.00
77	4X4	12	0	+Z	+X	0	0	0.00
78	2X2X4	12	0	+Z	+X	0	0	0.00
79	2X2X4	12	0	+Z	+X	0	0	0.00
80	2X2X4	12	0	+Z	+X	0	0	0.00
81	2X2X4	12	0	+Z	+X	0	0	0.00
82	2X2X4	12	0	+Z	+X	0	0	0.00
83	2X2X4	12	0	+Z	+X	0	0	0.00
84	2X2X4	12	0	+Z	+X	0	0	0.00
85	2X2X4	12	0	+Z	+X	0	0	0.00
86	2X2X4	12	0	+Z	+X	0	0	0.00
87	2X2X4	12	0	+Z	+X	0	0	0.00
90	2X2X6	12	0	+Z	+X	0	0	0.00
91	2X2X4	12	0	+Z	+X	0	0	0.00
92	2X2X4	12	0	+Z	+X	0	0	0.00
93	2X2X4	12	0	+Z	+X	0	0	0.00
94	2X2X4	12	0	+Z	+X	0	0	0.00
95	2X2X4	12	0	+Z	+X	0	0	0.00
96	2X2X4	12	0	+Z	+X	0	0	0.00
97	2X2X4	12	0	+Z	+X	0	0	0.00
98	4X4	12	0	+Z	+X	0	0	0.00
99	4X4	12	0	+Z	+X	0	0	0.00
100	4X4	12	0	+Z	+X	0	0	0.00
101	4X4	12	0	+Z	+X	0	0	0.00
102	4X4	12	0	+Z	+X	0	0	0.00
103	4X4	12	0	+Z	+X	0	0	0.00
104	4X4	12	0	+Z	+X	0	0	0.00
106	4X4	12	0	+Z	+X	0	0	0.00
107	4X4	12	0	+Z	+X	0	0	0.00
108	2X2X4	12	0	+Z	+X	0	0	0.00
109	2X2X4	12	0	+Z	+X	0	0	0.00
110	2X2X4	12	0	+Z	+X	0	0	0.00
111	2X2X4	12	0	+Z	+X	0	0	0.00
112	2X2X4	12	0	+Z	+X	0	0	0.00
113	2X2X4	12	0	+Z	+X	0	0	0.00
115	2X2X4	12	0	+Z	+X	0	0	0.00
116	2X2X4	12	0	+Z	+X	0	0	0.00
118	2X2X6	12	0	+Z	+X	0	0	0.00
119	2X2X4	12	0	+Z	+X	0	0	0.00
120	2X2X4	12	0	+Z	+X	0	0	0.00

121	2X2X4	12	0	+Z	+X	0	0	0.00
122	4X4	12	0	+Z	+X	0	0	0.00
123	4X4	12	0	+Z	+X	0	0	0.00
124	4X4	12	0	+Z	+X	0	0	0.00
125	4X4	12	0	+Z	+X	0	0	0.00
126	4X4	12	0	+Z	+X	0	0	0.00
127	4X4	12	0	+Z	+X	0	0	0.00
129	4X4	12	0	+Z	+X	0	0	0.00
132	2X2X4	12	0	+Z	+X	0	0	0.00
133	2X2X4	12	0	+Z	+X	0	0	0.00
134	2X2X4	12	0	+Z	+X	0	0	0.00
135	2X2X4	12	0	+Z	+X	0	0	0.00
136	2X2X4	12	0	+Z	+X	0	0	0.00
137	2X2X4	12	0	+Z	+X	0	0	0.00
138	2X2X4	12	0	+Z	+X	0	0	0.00
139	2X2X6	12	0	+Z	+X	0	0	0.00
142	4X4	12	0	+Z	+X	0	0	0.00
143	4X4	12	0	+Z	+X	0	0	0.00
144	4X4	12	0	+Z	+X	0	0	0.00
145	4X4	12	0	+Z	+X	0	0	0.00
146	4X4	12	0	+Z	+X	0	0	0.00
147	4X4	12	0	+Z	+X	0	0	0.00
149	4X4	12	0	+Z	+X	0	0	0.00
150	2X2X4	12	0	+Z	+X	0	0	0.00
151	2X2X4	12	0	+Z	+X	0	0	0.00
152	2X2X4	12	0	+Z	+X	0	0	0.00
153	2X2X4	12	0	+Z	+X	0	0	0.00
154	2X2X4	12	0	+Z	+X	0	0	0.00
156	2X2X4	12	0	+Z	+X	0	0	0.00
157	2X2X4	12	0	+Z	+X	0	0	0.00
159	2X2X6	12	0	+Z	+X	0	0	0.00
160	2X2X4	12	0	+Z	+X	0	0	0.00
161	2X2X4	12	0	+Z	+X	0	0	0.00
162	2X2X4	12	0	+Z	+X	0	0	0.00
163	4X4	12	0	+Z	+X	0	0	0.00
164	4X4	12	0	+Z	+X	0	0	0.00
165	4X4	12	0	+Z	+X	0	0	0.00
166	4X4	12	0	+Z	+X	0	0	0.00
167	4X4	12	0	+Z	+X	0	0	0.00
168	4X4	12	0	+Z	+X	0	0	0.00
169	4X4	12	0	+Z	+X	0	0	0.00
171	4X4	12	0	+Z	+X	0	0	0.00
172	4X4	12	0	+Z	+X	0	0	0.00
173	2X2X4	12	0	+Z	+X	0	0	0.00
174	2X2X4	12	0	+Z	+X	0	0	0.00
175	2X2X4	12	0	+Z	+X	0	0	0.00
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177	2X2X4	12	0	+Z	+X	0	0	0.00
178	2X2X4	12	0	+Z	+X	0	0	0.00
179	2X2X4	12	0	+Z	+X	0	0	0.00
180	2X2X4	12	0	+Z	+X	0	0	0.00
181	2X2X4	12	0	+Z	+X	0	0	0.00
183	4X4	12	0	+Z	+X	0	0	0.00
184	2X2X6	12	0	+Z	+X	0	0	0.00
185	2X2X4	12	0	+Z	+X	0	0	0.00
186	2X2X4	12	0	+Z	+X	0	0	0.00
187	2X2X4	12	0	+Z	+X	0	0	0.00
188	2X2X4	12	0	+Z	+X	0	0	0.00
189	2X2X4	12	0	+Z	+X	0	0	0.00
190	2X2X4	12	0	+Z	+X	0	0	0.00
191	4X4	12	0	+Z	+X	0	0	0.00
192	4X4	12	0	+Z	+X	0	0	0.00
193	4X4	12	0	+Z	+X	0	0	0.00

194	4X4	12	0	+Z	+X	0	0	0.00
195	4X4	12	0	+Z	+X	0	0	0.00
196	4X4	12	0	+Z	+X	0	0	0.00
197	4X4	12	0	+Z	+X	0	0	0.00
198	4X4	12	0	+Z	+X	0	0	0.00
199	4X4	12	0	+Z	+X	0	0	0.00
200	4X4	12	0	+Z	+X	0	0	0.00
201	4X4	12	0	+Z	+X	0	0	0.00
203	4X4	12	0	+Z	+X	0	0	0.00
204	4X4	12	0	+Z	+X	0	0	0.00
205	2X2X4	12	0	+Z	+X	0	0	0.00
206	2X2X4	12	0	+Z	+X	0	0	0.00
207	2X2X6	12	0	+Z	+X	0	0	0.00
208	2X2X4	12	0	+Z	+X	0	0	0.00
209	2X2X4	12	0	+Z	+X	0	0	0.00
210	2X2X4	12	0	+Z	+X	0	0	0.00
211	4X4	12	0	+Z	+X	0	0	0.00
212	4X4	12	0	+Z	+X	0	0	0.00
213	2X2X4	12	0	+Z	+X	0	0	0.00
214	2X2X6	12	0	+Z	+X	0	0	0.00
215	2X2X4	12	0	+Z	+X	0	0	0.00
216	2X2X4	12	0	+Z	+X	0	0	0.00
217	2X2X4	12	0	+Z	+X	0	0	0.00
219	2X2X4	12	0	+Z	+X	0	0	0.00
220	2X2X4	12	0	+Z	+X	0	0	0.00
221	2X2X4	12	0	+Z	+X	0	0	0.00
222	2X2X4	12	0	+Z	+X	0	0	0.00
223	2X2X4	12	0	+Z	+X	0	0	0.00
224	2X2X4	12	0	+Z	+X	0	0	0.00
225	2X2X4	12	0	+Z	+X	0	0	0.00
226	2X2X4	12	0	+Z	+X	0	0	0.00
227	2X2X6	12	0	+Z	+X	0	0	0.00
228	2X2X4	12	0	+Z	+X	0	0	0.00
229	2X2X4	12	0	+Z	+X	0	0	0.00
230	2X2X6	12	0	+Z	+X	0	0	0.00
231	2X2X4	12	0	+Z	+X	0	0	0.00
232	4X4	12	0	+Z	+X	0	0	0.00
233	4X4	12	0	+Z	+X	0	0	0.00
234	2X2X4	12	0	+Z	+X	0	0	0.00
235	2X2X4	12	0	+Z	+X	0	0	0.00
236	2X2X4	12	0	+Z	+X	0	0	0.00
237	2X2X6	12	0	+Z	+X	0	0	0.00
238	2X2X4	12	0	+Z	+X	0	0	0.00
239	2X4X4	12	0	+Z	+X	0	0	0.00
240	2X4X4	12	0	+Z	+X	0	0	0.00
241	2X4X4	12	0	+Z	+X	0	0	0.00
242	2X4X4	12	0	+Z	+X	0	0	0.00
243	4X4	12	0	+Z	+X	0	0	0.00
244	4X4	12	0	+Z	+X	0	0	0.00
245	4X4	12	0	+Z	+X	0	0	0.00
246	4X4	12	0	+Z	+X	0	0	0.00
248	4X4	12	0	+Z	+X	0	0	0.00
249	4X4	12	0	+Z	+X	0	0	0.00
250	2X2X4	12	0	+Z	+X	0	0	0.00
251	2X2X4	12	0	+Z	+X	0	0	0.00
252	2X2X4	12	0	+Z	+X	0	0	0.00
253	2X2X6	12	0	+Z	+X	0	0	0.00
254	2X2X4	12	0	+Z	+X	0	0	0.00
255	2X2X4	12	0	+Z	+X	0	0	0.00
256	2X2X4	12	0	+Z	+X	0	0	0.00
257	2X2X4	12	0	+Z	+X	0	0	0.00
258	2X2X4	12	0	+Z	+X	0	0	0.00
259	2X2X6	12	0	+Z	+X	0	0	0.00

260	2X2X4	12	0	+Z	+X	0	0	0.00
261	2X2X4	12	0	+Z	+X	0	0	0.00
262	2X2X4	12	0	+Z	+X	0	0	0.00
263	2X2X4	12	0	+Z	+X	0	0	0.00
264	2X2X6	12	0	+Z	+X	0	0	0.00
265	2X2X6	12	0	+Z	+X	0	0	0.00
266	2X2X4	12	0	+Z	+X	0	0	0.00
267	2X2X4	12	0	+Z	+X	0	0	0.00
268	2X2X6	12	0	+Z	+X	0	0	0.00
269	2X2X4	12	0	+Z	+X	0	0	0.00
270	2X2X6	12	0	+Z	+X	0	0	0.00
271	2X2X6	12	0	+Z	+X	0	0	0.00
272	2X2X6	12	0	+Z	+X	0	0	0.00
273	2X2X4	12	0	+Z	+X	0	0	0.00
274	2X2X4	12	0	+Z	+X	0	0	0.00
275	2X2X4	12	0	+Z	+X	0	0	0.00
276	2X2X4	12	0	+Z	+X	0	0	0.00
277	2X2X4	12	0	+Z	+X	0	0	0.00
278	2X2X4	12	0	+Z	+X	0	0	0.00
279	2X2X4	12	0	+Z	+X	0	0	0.00
280	2X2X4	12	0	+Z	+X	0	0	0.00
281	4X4	12	0	+Z	+X	0	0	0.00
282	4X4	12	0	+Z	+X	0	0	0.00
283	4X4	12	0	+Z	+X	0	0	0.00
284	4X4	12	0	+Z	+X	0	0	0.00
285	4X4	12	0	+Z	+X	0	0	0.00
286	4X4	12	0	+Z	+X	0	0	0.00
287	4X4	12	0	+Z	+X	0	0	0.00
288	4X4	12	0	+Z	+X	0	0	0.00
289	4X4	12	0	+Z	+X	0	0	0.00
290	4X4	12	0	+Z	+X	0	0	0.00
291	4X4	12	0	+Z	+X	0	0	0.00
292	4X4	12	0	+Z	+X	0	0	0.00
293	4X4	12	0	+Z	+X	0	0	0.00
294	4X4	12	0	+Z	+X	0	0	0.00
295	4X4	12	0	+Z	+X	0	0	0.00

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F R A M E E L E M E N T D A T A

ELEMENT LABEL	END-I RELEASE CODES		END-J RELEASE CODES	
1	R2	R3	R2	R3
2	R2	R3	R2	R3
3	R2	R3	R2	R3
4	R2	R3	R2	R3
5	R2	R3	R2	R3
6	R2	R3		
7			R2	R3
8	R2	R3	R2	R3
9	R2	R3	R2	R3
10	R2	R3	R2	R3
11	R2	R3	R2	R3
13	R2	R3	R2	R3
14			R2	R3
15	R2	R3	R2	R3
16	R2	R3		
17	R2	R3		

18	R2	R3		
21	R2	R3	R2	R3
22	R2	R3	R2	R3
23	R2	R3	R2	R3
24	R2	R3	R2	R3
25	R2	R3	R2	R3
26	R2	R3	R2	R3
28	R2	R3	R2	R3
29	R2	R3	R2	R3
30	R2	R3		
31	R2	R3		
32	R2	R3		
33	R2	R3		
34	R2	R3		
35	R2	R3	R2	R3
36	R2	R3	R2	R3
41	R2	R3	R2	R3
43	R2	R3	R2	R3
44	R2	R3	R2	R3
45	R2	R3	R2	R3
46	R2	R3	R2	R3
47	R2	R3	R2	R3
48	R2	R3	R2	R3
49	R2	R3	R2	R3
50	R2	R3	R2	R3
51	R2	R3	R2	R3
56	R2	R3	R2	R3
57	R2	R3	R2	R3
59			R2	R3
60			R2	R3
61			R2	R3
62			R2	R3
63			R2	R3
68	R2	R3	R2	R3
69	R2	R3	R2	R3
70	R2	R3	R2	R3
71	R2	R3	R2	R3
72	R2	R3	R2	R3
73	R2	R3	R2	R3
74	R2	R3	R2	R3
76	R2	R3	R2	R3
77	R2	R3	R2	R3
78	R2	R3		
79	R2	R3		
80	R2	R3		
81	R2	R3		
85	R2	R3	R2	R3
86	R2	R3	R2	R3
87	R2	R3	R2	R3
90	R2	R3	R2	R3
92	R2	R3		
95			R2	R3
96			R2	R3
97			R2	R3
102	R2	R3	R2	R3
103	R2	R3	R2	R3
104	R2	R3	R2	R3
106	R2	R3	R2	R3
107	R2	R3	R2	R3
108	R2	R3		
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110	R2	R3		
112	R2	R3	R2	R3

113	R2	R3	R2	R3
115	R2	R3	R2	R3
116	R2	R3	R2	R3
118	R2	R3	R2	R3
119			R2	R3
120			R2	R3
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125	R2	R3	R2	R3
126	R2	R3	R2	R3
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129	R2	R3	R2	R3
132	R2	R3	R2	R3
133	R2	R3	R2	R3
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137	R2	R3	R2	R3
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139	R2	R3	R2	R3
145	R2	R3	R2	R3
146	R2	R3	R2	R3
147	R2	R3	R2	R3
149	R2	R3	R2	R3
150	R2	R3		
151	R2	R3		
152	R2	R3	R2	R3
153	R2	R3	R2	R3
156	R2	R3	R2	R3
157	R2	R3	R2	R3
159	R2	R3	R2	R3
161			R2	R3
162			R2	R3
167	R2	R3	R2	R3
168	R2	R3	R2	R3
169	R2	R3	R2	R3
171	R2	R3	R2	R3
172	R2	R3	R2	R3
173	R2	R3		
174	R2	R3		
176			R2	R3
177	R2	R3		
179	R2	R3	R2	R3
180	R2	R3	R2	R3
181	R2	R3	R2	R3
183	R2	R3		
184	R2	R3	R2	R3
187			R2	R3
188			R2	R3
189			R2	R3
190			R2	R3
195	R2	R3	R2	R3
196	R2	R3	R2	R3
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203	R2	R3	R2	R3
204	R2	R3	R2	R3
205	R2	R3		
206	R2	R3		
207	R2	R3		
208	R2	R3		

209	R2	R3		
211	R2	R3	R2	R3
212	R2	R3	R2	R3
217	R2	R3	R2	R3
219	R2	R3	R2	R3
220	R2	R3	R2	R3
221	R2	R3	R2	R3
222	R2	R3	R2	R3
223	R2	R3	R2	R3
224	R2	R3	R2	R3
225	R2	R3	R2	R3
226	R2	R3	R2	R3
227	R2	R3	R2	R3
232	R2	R3	R2	R3
233	R2	R3	R2	R3
234			R2	R3
235			R2	R3
236			R2	R3
237			R2	R3
238			R2	R3
241	R2	R3	R2	R3
242	R2	R3	R2	R3
243	R2	R3	R2	R3
244	R2	R3	R2	R3
245	R2	R3	R2	R3
246	R2	R3	R2	R3
248	R2	R3	R2	R3
249	R2	R3	R2	R3
250	R2	R3		
251	R2	R3		
252	R2	R3	R2	R3
253	R2	R3		
254			R2	R3
255	R2	R3	R2	R3
257	R2	R3	R2	R3
258	R2	R3	R2	R3
260	R2	R3	R2	R3
261	R2	R3	R2	R3
262			R2	R3
263	R2	R3	R2	R3
265	R2	R3	R2	R3
266	R2	R3	R2	R3
267	R2	R3	R2	R3
268			R2	R3
269	R2	R3	R2	R3
272			R2	R3
273			R2	R3
276			R2	R3
277	R2	R3		
279	R2	R3		
280			R2	R3
281			R2	R3
282	R2	R3		
283			R2	R3
284	R2	R3		
285			R2	R3
286	R2	R3		
287			R2	R3
288	R2	R3		
289			R2	R3
290	R2	R3		
291			R2	R3
292	R2	R3		

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     293                                                  R2  R3
     294                       R2  R3
     295                                                  R2  R3

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 T O T A L   W E I G H T S   A N D   M A S S E S

 SECTION        WEIGHT          MASS
   LABEL

     4X4     1127.2831        2.9174
   2X2X4     1120.5891        2.9001
   2X2X6      299.5447        0.7752
   2X4X4      119.8815        0.3103

   TOTAL     2667.2984        6.9030


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 L O A D   C O N D I T I O N       DEAD

 SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.1000E+01

 L O A D   C O N D I T I O N   MANIFOLD

 SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

 JOINT FORCES IN LOCAL COORDINATES

   JOINT      FORCE      FORCE      FORCE     MOMENT     MOMENT     MOMENT
   LABEL          1          2          3          1          2          3

      N2  0.000E+00  0.000E+00 -0.379E+04  0.000E+00  0.000E+00  0.000E+00
      N3  0.000E+00  0.000E+00 -0.379E+04  0.000E+00  0.000E+00  0.000E+00
      N8  0.000E+00  0.000E+00 -0.379E+04  0.000E+00  0.000E+00  0.000E+00
      N9  0.000E+00  0.000E+00 -0.379E+04  0.000E+00  0.000E+00  0.000E+00

 L O A D   C O N D I T I O N       TBAR

 SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

 JOINT FORCES IN LOCAL COORDINATES

   JOINT      FORCE      FORCE      FORCE     MOMENT     MOMENT     MOMENT
   LABEL          1          2          3          1          2          3

     E2A  0.000E+00  0.000E+00 -0.620E+02  0.000E+00  0.000E+00  0.000E+00
     E2B  0.000E+00  0.000E+00 -0.106E+03  0.000E+00  0.000E+00  0.000E+00
     E3A  0.000E+00  0.000E+00 -0.920E+02  0.000E+00  0.000E+00  0.000E+00
     E3B  0.000E+00  0.000E+00 -0.920E+02  0.000E+00  0.000E+00  0.000E+00
     E3C  0.000E+00  0.000E+00 -0.780E+02  0.000E+00  0.000E+00  0.000E+00
     E4A  0.000E+00  0.000E+00 -0.780E+02  0.000E+00  0.000E+00  0.000E+00
     E6B  0.000E+00  0.000E+00 -0.780E+02  0.000E+00  0.000E+00  0.000E+00
     E7A  0.000E+00  0.000E+00 -0.780E+02  0.000E+00  0.000E+00  0.000E+00
     E7B  0.000E+00  0.000E+00 -0.920E+02  0.000E+00  0.000E+00  0.000E+00
     E7C  0.000E+00  0.000E+00 -0.920E+02  0.000E+00  0.000E+00  0.000E+00
```

E8A	0.000E+00	0.000E+00	-0.106E+03	0.000E+00	0.000E+00	0.000E+00
E8B	0.000E+00	0.000E+00	-0.620E+02	0.000E+00	0.000E+00	0.000E+00
G2A	0.000E+00	0.000E+00	-0.135E+03	0.000E+00	0.000E+00	0.000E+00
G2B	0.000E+00	0.000E+00	-0.231E+03	0.000E+00	0.000E+00	0.000E+00
G2C	0.000E+00	0.000E+00	-0.201E+03	0.000E+00	0.000E+00	0.000E+00
G3A	0.000E+00	0.000E+00	-0.201E+03	0.000E+00	0.000E+00	0.000E+00
G3B	0.000E+00	0.000E+00	-0.172E+03	0.000E+00	0.000E+00	0.000E+00
G3C	0.000E+00	0.000E+00	-0.172E+03	0.000E+00	0.000E+00	0.000E+00
G7A	0.000E+00	0.000E+00	-0.172E+03	0.000E+00	0.000E+00	0.000E+00
G7B	0.000E+00	0.000E+00	-0.172E+03	0.000E+00	0.000E+00	0.000E+00
G7C	0.000E+00	0.000E+00	-0.201E+03	0.000E+00	0.000E+00	0.000E+00
G8A	0.000E+00	0.000E+00	-0.201E+03	0.000E+00	0.000E+00	0.000E+00
G8B	0.000E+00	0.000E+00	-0.231E+03	0.000E+00	0.000E+00	0.000E+00
G8C	0.000E+00	0.000E+00	-0.135E+03	0.000E+00	0.000E+00	0.000E+00
I1A	0.000E+00	0.000E+00	-0.146E+03	0.000E+00	0.000E+00	0.000E+00
I2A	0.000E+00	0.000E+00	-0.251E+03	0.000E+00	0.000E+00	0.000E+00
I2B	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
I2C	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
I3A	0.000E+00	0.000E+00	-0.187E+03	0.000E+00	0.000E+00	0.000E+00
I3B	0.000E+00	0.000E+00	-0.187E+03	0.000E+00	0.000E+00	0.000E+00
I7B	0.000E+00	0.000E+00	-0.187E+03	0.000E+00	0.000E+00	0.000E+00
I7C	0.000E+00	0.000E+00	-0.187E+03	0.000E+00	0.000E+00	0.000E+00
I8A	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
I8B	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
I8C	0.000E+00	0.000E+00	-0.251E+03	0.000E+00	0.000E+00	0.000E+00
I9A	0.000E+00	0.000E+00	-0.146E+03	0.000E+00	0.000E+00	0.000E+00
K1A	0.000E+00	0.000E+00	-0.172E+03	0.000E+00	0.000E+00	0.000E+00
K1B	0.000E+00	0.000E+00	-0.295E+03	0.000E+00	0.000E+00	0.000E+00
K2A	0.000E+00	0.000E+00	-0.257E+03	0.000E+00	0.000E+00	0.000E+00
K2B	0.000E+00	0.000E+00	-0.257E+03	0.000E+00	0.000E+00	0.000E+00
K2C	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
K3A	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
K7B	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
K8A	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
K8B	0.000E+00	0.000E+00	-0.257E+03	0.000E+00	0.000E+00	0.000E+00
K8C	0.000E+00	0.000E+00	-0.257E+03	0.000E+00	0.000E+00	0.000E+00
K9A	0.000E+00	0.000E+00	-0.295E+03	0.000E+00	0.000E+00	0.000E+00
K9B	0.000E+00	0.000E+00	-0.172E+03	0.000E+00	0.000E+00	0.000E+00
N1A	0.000E+00	0.000E+00	-0.990E+02	0.000E+00	0.000E+00	0.000E+00
N1B	0.000E+00	0.000E+00	-0.169E+03	0.000E+00	0.000E+00	0.000E+00
N1C	0.000E+00	0.000E+00	-0.147E+03	0.000E+00	0.000E+00	0.000E+00
N2A	0.000E+00	0.000E+00	-0.147E+03	0.000E+00	0.000E+00	0.000E+00
N2B	0.000E+00	0.000E+00	-0.126E+03	0.000E+00	0.000E+00	0.000E+00
N2C	0.000E+00	0.000E+00	-0.126E+03	0.000E+00	0.000E+00	0.000E+00
N8A	0.000E+00	0.000E+00	-0.126E+03	0.000E+00	0.000E+00	0.000E+00
N8B	0.000E+00	0.000E+00	-0.126E+03	0.000E+00	0.000E+00	0.000E+00
N8C	0.000E+00	0.000E+00	-0.147E+03	0.000E+00	0.000E+00	0.000E+00
N9A	0.000E+00	0.000E+00	-0.147E+03	0.000E+00	0.000E+00	0.000E+00
N9B	0.000E+00	0.000E+00	-0.169E+03	0.000E+00	0.000E+00	0.000E+00
N9C	0.000E+00	0.000E+00	-0.990E+02	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N TOPCOVER

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
P1	0.000E+00	0.000E+00	-0.873E+03	0.000E+00	0.000E+00	0.000E+00
P2	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00
P3	0.000E+00	0.000E+00	-0.109E+04	0.000E+00	0.000E+00	0.000E+00

P8	0.000E+00	0.000E+00	-0.109E+04	0.000E+00	0.000E+00	0.000E+00
P9	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.873E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N PEWALLS

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

L O A D C O N D I T I O N HOTBASIN

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
N1	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N2	0.000E+00	0.000E+00	-0.166E+04	0.000E+00	0.000E+00	0.000E+00
N3	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N8	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N9	0.000E+00	0.000E+00	-0.166E+04	0.000E+00	0.000E+00	0.000E+00
N10	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N DRIFTELM

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
E4B	0.000E+00	0.000E+00	-0.780E+02	0.000E+00	0.000E+00	0.000E+00
E6A	0.000E+00	0.000E+00	-0.780E+02	0.000E+00	0.000E+00	0.000E+00
G4A	0.000E+00	0.000E+00	-0.114E+03	0.000E+00	0.000E+00	0.000E+00
G6A	0.000E+00	0.000E+00	-0.114E+03	0.000E+00	0.000E+00	0.000E+00
I3C	0.000E+00	0.000E+00	-0.620E+02	0.000E+00	0.000E+00	0.000E+00
I4A	0.000E+00	0.000E+00	-0.620E+02	0.000E+00	0.000E+00	0.000E+00
I6A	0.000E+00	0.000E+00	-0.620E+02	0.000E+00	0.000E+00	0.000E+00
I7A	0.000E+00	0.000E+00	-0.620E+02	0.000E+00	0.000E+00	0.000E+00
K3B	0.000E+00	0.000E+00	-0.146E+03	0.000E+00	0.000E+00	0.000E+00
K7A	0.000E+00	0.000E+00	-0.146E+03	0.000E+00	0.000E+00	0.000E+00
M3A	0.000E+00	0.000E+00	-0.840E+02	0.000E+00	0.000E+00	0.000E+00
M7A	0.000E+00	0.000E+00	-0.840E+02	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N FANMOTOR

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
P3	0.000E+00	0.000E+00	-0.425E+03	0.000E+00	0.000E+00	0.000E+00
P5	0.000E+00	0.000E+00	-0.187E+04	0.000E+00	0.000E+00	0.000E+00
P6	0.000E+00	0.000E+00	-0.187E+04	0.000E+00	0.000E+00	0.000E+00
P8	0.000E+00	0.000E+00	-0.127E+04	0.000E+00	0.000E+00	0.000E+00
P9	0.000E+00	0.000E+00	-0.466E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N CABLETRY

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
P9	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N LOUVERWL

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
D2	0.000E+00	0.000E+00	-0.240E+02	0.000E+00	0.000E+00	0.000E+00
D9	0.000E+00	0.000E+00	-0.240E+02	0.000E+00	0.000E+00	0.000E+00
E2	0.000E+00	0.000E+00	-0.730E+02	0.000E+00	0.000E+00	0.000E+00
E9	0.000E+00	0.000E+00	-0.730E+02	0.000E+00	0.000E+00	0.000E+00
F2	0.000E+00	0.000E+00	-0.122E+03	0.000E+00	0.000E+00	0.000E+00
F9	0.000E+00	0.000E+00	-0.122E+03	0.000E+00	0.000E+00	0.000E+00
G2	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
G9	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
H2	0.000E+00	0.000E+00	-0.206E+03	0.000E+00	0.000E+00	0.000E+00
H9	0.000E+00	0.000E+00	-0.206E+03	0.000E+00	0.000E+00	0.000E+00
I1	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
J1	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
K1	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
L1	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
M1	0.000E+00	0.000E+00	-0.127E+03	0.000E+00	0.000E+00	0.000E+00
N1	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
P1	0.000E+00	0.000E+00	-0.140E+03	0.000E+00	0.000E+00	0.000E+00
I10	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
J10	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
K10	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
L10	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
M10	0.000E+00	0.000E+00	-0.127E+03	0.000E+00	0.000E+00	0.000E+00
N10	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.140E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N SECDIST

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
M1	0.000E+00	0.000E+00	-0.401E+03	0.000E+00	0.000E+00	0.000E+00
M2	0.000E+00	0.000E+00	-0.561E+03	0.000E+00	0.000E+00	0.000E+00
M3	0.000E+00	0.000E+00	-0.320E+03	0.000E+00	0.000E+00	0.000E+00
M4	0.000E+00	0.000E+00	-0.320E+03	0.000E+00	0.000E+00	0.000E+00
M5	0.000E+00	0.000E+00	-0.574E+03	0.000E+00	0.000E+00	0.000E+00
M6	0.000E+00	0.000E+00	-0.108E+04	0.000E+00	0.000E+00	0.000E+00
M7	0.000E+00	0.000E+00	-0.320E+03	0.000E+00	0.000E+00	0.000E+00
M8	0.000E+00	0.000E+00	-0.320E+03	0.000E+00	0.000E+00	0.000E+00
M9	0.000E+00	0.000E+00	-0.561E+03	0.000E+00	0.000E+00	0.000E+00
M10	0.000E+00	0.000E+00	-0.401E+03	0.000E+00	0.000E+00	0.000E+00

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C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE   22
                                        PROGRAM:SAP2000/FILE:\MainBentDL.EKO


 L O A D   C O M B I N A T I O N   M U L T I P L I E R S

 COMBO LABEL              DEADLOAD
 COMBO TYPE                    ABS

                LOAD MODE    SPEC    HIST    MOVE   COMBO     SCALE
               LABEL  NUM   LABEL   LABEL   LABEL   LABEL    FACTOR

                DEAD                                          1.000
            MANIFOLD                                          1.000
                TBAR                                          1.000
            TOPCOVER                                          1.000
             PEWALLS                                          1.000
            HOTBASIN                                          1.000
            DRIFTELM                                          1.000
            FANMOTOR                                          1.000
            CABLETRY                                          1.000
            LOUVERWL                                          1.000
             SECDIST                                          1.000


C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE   23
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 O U T P U T   S E L E C T I O N

 DISPLACEMENTS AT JOINTS

      LOAD     MODES      SPEC      HIST      MOVE      COMB
     LABEL               LABEL     LABEL     LABEL     LABEL

                                                       DEADLOAD

 REACTIONS AT JOINTS

      LOAD     MODES      SPEC      HIST      MOVE      COMB
     LABEL               LABEL     LABEL     LABEL     LABEL

      DEAD
  MANIFOLD
      TBAR
  TOPCOVER
   PEWALLS
  HOTBASIN
  DRIFTELM
  FANMOTOR
  CABLETRY
  LOUVERWL
   SECDIST
                                                       DEADLOAD

 INTERNAL FORCES AT ELEMENT FRAME

      LOAD     MODES      SPEC      HIST      MOVE      COMB
     LABEL               LABEL     LABEL     LABEL     LABEL
```

DEADLOAD

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PROGRAM:SAP2000/FILE:\MainBentDL.EKO

I N P U T C O M P L E T E

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Program SAP2000 Nonlinear Version 7.40                    File:Main Bent DL.LOG



B E G I N   A N A L Y S I S                               2005/04/05  20:12:01

MAXIMUM MEMORY BLOCK SIZE (BYTES)         =       7.629 MB


E L E M E N T   F O R M A T I O N                                     20:12:01

NUMBER OF JOINT  ELEMENTS FORMED          =         114
NUMBER OF SPRING ELEMENTS FORMED          =         190
NUMBER OF FRAME  ELEMENTS FORMED          =         274
NUMBER OF CONSTRAINTS FORMED              =           2


E Q U A T I O N   S O L U T I O N                                     20:12:02

TOTAL NUMBER OF EQUILIBRIUM EQUATIONS     =         552
APPROXIMATE "EFFECTIVE" BAND WIDTH        =          22

NUMBER OF EQUATION STORAGE BLOCKS         =           1
MAXIMUM BLOCK SIZE (8-BYTE TERMS)         =       12470
SIZE OF STIFFNESS FILE(S) (BYTES)         =      99.594 KB

NUMBER OF EQUATIONS TO SOLVE              =         552
NUMBER OF STATIC LOAD CASES               =          11
NUMBER OF ACCELERATION LOADS              =           6
NUMBER OF NONLINEAR DEFORMATION LOADS     =           0


J O I N T   O U T P U T                                               20:12:03

G L O B A L   F O R C E   B A L A N C E   R E L A T I V E   E R R O R S

PERCENT FORCE AND MOMENT ERROR AT THE ORIGIN, IN GLOBAL COORDINATES

   LOAD          FX          FY          FZ          MX          MY          MZ
   DEAD    3.31E-14    1.12E-31    8.52E-15    5.81E-15    9.30E-14    1.06E-14
MANIFOLD   1.17E-13     .000000    3.00E-14    1.02E-14    3.68E-13    3.75E-14
   TBAR    6.06E-14     .000000    2.70E-14    9.19E-15    1.84E-13    1.93E-14
TOPCOVER   1.86E-14     .000000    8.58E-14    2.92E-14    4.98E-14    5.96E-15
 PEWALLS    .000000     .000000     .000000     .000000     .000000     .000000
HOTBASIN   1.33E-13     .000000    6.87E-14    2.11E-14    1.31E-13    4.24E-14
DRIFTELM   1.20E-13     .000000    4.16E-14    1.60E-14    2.77E-13    3.83E-14
FANMOTOR   1.55E-13     .000000    6.16E-14    1.51E-14    3.42E-13    4.73E-14
CABLETRY   4.37E-11     .000000    1.88E-12    4.26E-13    2.25E-11    9.91E-12
LOUVERWL   1.53E-13     .000000    9.77E-14    3.09E-14    3.14E-13    4.90E-14
 SECDIST   4.11E-14     .000000    4.68E-14    1.59E-14    4.46E-14    1.31E-14

 COMB MAX/MIN     FX          FY          FZ          MX          MY          MZ
DEADLOAD   4.25E-13    5.21E-33    6.30E-14    2.04E-14    4.61E-13    1.36E-13
DEADLOAD   4.25E-13    5.21E-33    6.30E-14    2.04E-14    4.61E-13    1.36E-13


E L E M E N T   J O I N T - F O R C E   O U T P U T                   20:12:04

NUMBER OF JOINT  ELEMENTS SAVED           =         114
NUMBER OF FRAME  ELEMENTS SAVED           =         274
NUMBER OF SPRING ELEMENTS SAVED           =         190
```

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E L E M E N T   O U T P U T                                          20:12:05

NUMBER OF FRAME  ELEMENTS SAVED          =         274
NUMBER OF FRAME  ELEMENTS PRINTED        =         274


A N A L Y S I S   C O M P L E T E                        2005/04/05  20:12:06
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S A P 2 0 0 0 (R)

Structural Analysis Programs

Nonlinear Version 7.40

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results produced by this program

5 Apr 2005 20:12:01

D I S P L A C E M E N T D E G R E E S O F F R E E D O M

(A) = Active DOF, equilibrium equation
(-) = Restrained DOF, reaction computed
(+) = Constrained DOF
(>) = External substructure DOF
( ) = Null DOF

JOINTS			UX	UY	UZ	RX	RY	RZ
2	TO	3	A		A		A	
A3	TO	A8	-	-	-		A	
B3	TO	C8	A		A		A	
D2			-	-	-		A	
D3	TO	D8	A		A		A	
D9			-	-	-		A	
E2	TO	N9	A		A		A	
O4	TO	O7	+		A		A	
P1	TO	P3	A		A		A	
P4			+		A		A	
P5	TO	P6	A		A		A	
P7			+		A		A	
P8	TO	9SEC1	A		A		A	

CONSTRAINTS			U1	U2	U3	R1	R2	R3
PO4	TO	PO7	A					

A S S E M B L E D J O I N T M A S S E S

IN GLOBAL COORDINATES

JOINT	UX	UY	UZ	RX	RY	RZ
2	0.046857	0.046857	0.046857	.000000	.000000	.000000

3	0.046857	0.046857	0.046857	.000000	.000000	.000000
A3	0.014824	0.014824	0.014824	.000000	.000000	.000000
A4	0.014824	0.014824	0.014824	.000000	.000000	.000000
A5	0.014824	0.014824	0.014824	.000000	.000000	.000000
A6	0.014824	0.014824	0.014824	.000000	.000000	.000000
A7	0.014824	0.014824	0.014824	.000000	.000000	.000000
A8	0.014824	0.014824	0.014824	.000000	.000000	.000000
B3	0.047031	0.047031	0.047031	.000000	.000000	.000000
B4	0.065147	0.065147	0.065147	.000000	.000000	.000000
B5	0.079237	0.079237	0.079237	.000000	.000000	.000000
B6	0.079237	0.079237	0.079237	.000000	.000000	.000000
B7	0.065147	0.065147	0.065147	.000000	.000000	.000000
B8	0.047031	0.047031	0.047031	.000000	.000000	.000000
C3	0.046297	0.046297	0.046297	.000000	.000000	.000000
C4	0.046297	0.046297	0.046297	.000000	.000000	.000000
C7	0.046297	0.046297	0.046297	.000000	.000000	.000000
C8	0.046297	0.046297	0.046297	.000000	.000000	.000000
D2	0.069954	0.069954	0.069954	.000000	.000000	.000000
D3	0.036830	0.036830	0.036830	.000000	.000000	.000000
D4	0.054946	0.054946	0.054946	.000000	.000000	.000000
D5	0.069036	0.069036	0.069036	.000000	.000000	.000000
D6	0.069036	0.069036	0.069036	.000000	.000000	.000000
D7	0.054946	0.054946	0.054946	.000000	.000000	.000000
D8	0.036830	0.036830	0.036830	.000000	.000000	.000000
D9	0.069954	0.069954	0.069954	.000000	.000000	.000000
E2	0.224492	0.224492	0.224492	.000000	.000000	.000000
E3	0.040178	0.040178	0.040178	.000000	.000000	.000000
E4	0.034366	0.034366	0.034366	.000000	.000000	.000000
E5	0.053992	0.053992	0.053992	.000000	.000000	.000000
E6	0.053992	0.053992	0.053992	.000000	.000000	.000000
E7	0.034366	0.034366	0.034366	.000000	.000000	.000000
E8	0.040178	0.040178	0.040178	.000000	.000000	.000000
E9	0.224492	0.224492	0.224492	.000000	.000000	.000000
F2	0.396663	0.396663	0.396663	.000000	.000000	.000000
F3	0.041820	0.041820	0.041820	.000000	.000000	.000000
F8	0.041820	0.041820	0.041820	.000000	.000000	.000000
F9	0.396663	0.396663	0.396663	.000000	.000000	.000000
G2	0.451877	0.451877	0.451877	.000000	.000000	.000000
G3	0.034219	0.034219	0.034219	.000000	.000000	.000000
G4	0.060691	0.060691	0.060691	.000000	.000000	.000000
G5	0.081575	0.081575	0.081575	.000000	.000000	.000000
G6	0.081575	0.081575	0.081575	.000000	.000000	.000000
G7	0.060691	0.060691	0.060691	.000000	.000000	.000000
G8	0.034219	0.034219	0.034219	.000000	.000000	.000000
G9	0.451877	0.451877	0.451877	.000000	.000000	.000000
H2	0.603153	0.603153	0.603153	.000000	.000000	.000000
H3	0.068070	0.068070	0.068070	.000000	.000000	.000000
H8	0.068070	0.068070	0.068070	.000000	.000000	.000000
H9	0.603153	0.603153	0.603153	.000000	.000000	.000000
I1	0.413369	0.413369	0.413369	.000000	.000000	.000000
I2	0.055992	0.055992	0.055992	.000000	.000000	.000000
I3	0.034219	0.034219	0.034219	.000000	.000000	.000000
I4	0.061523	0.061523	0.061523	.000000	.000000	.000000
I5	0.089574	0.089574	0.089574	.000000	.000000	.000000
I6	0.089574	0.089574	0.089574	.000000	.000000	.000000
I7	0.061523	0.061523	0.061523	.000000	.000000	.000000
I8	0.034219	0.034219	0.034219	.000000	.000000	.000000
I9	0.055992	0.055992	0.055992	.000000	.000000	.000000
J1	0.418659	0.418659	0.418659	.000000	.000000	.000000
J2	0.052593	0.052593	0.052593	.000000	.000000	.000000
J3	0.068070	0.068070	0.068070	.000000	.000000	.000000
J8	0.068070	0.068070	0.068070	.000000	.000000	.000000
J9	0.052593	0.052593	0.052593	.000000	.000000	.000000

K1	0.413369	0.413369	0.413369	.000000	.000000	.000000
K2	0.055992	0.055992	0.055992	.000000	.000000	.000000
K3	0.034219	0.034219	0.034219	.000000	.000000	.000000
K4	0.076311	0.076311	0.076311	.000000	.000000	.000000
K5	0.087750	0.087750	0.087750	.000000	.000000	.000000
K6	0.087750	0.087750	0.087750	.000000	.000000	.000000
K7	0.076311	0.076311	0.076311	.000000	.000000	.000000
K8	0.034219	0.034219	0.034219	.000000	.000000	.000000
K9	0.055992	0.055992	0.055992	.000000	.000000	.000000
L1	0.424955	0.424955	0.424955	.000000	.000000	.000000
L2	0.054046	0.054046	0.054046	.000000	.000000	.000000
L3	0.063226	0.063226	0.063226	.000000	.000000	.000000
L8	0.063226	0.063226	0.063226	.000000	.000000	.000000
L9	0.054046	0.054046	0.054046	.000000	.000000	.000000
M1	1.404577	1.404577	1.404577	.000000	.000000	.000000
M2	1.513425	1.513425	1.513425	.000000	.000000	.000000
M3	0.879022	0.879022	0.879022	.000000	.000000	.000000
M4	0.895527	0.895527	0.895527	.000000	.000000	.000000
M5	1.563882	1.563882	1.563882	.000000	.000000	.000000
M6	2.880882	2.880882	2.880882	.000000	.000000	.000000
M7	0.895527	0.895527	0.895527	.000000	.000000	.000000
M8	0.879022	0.879022	0.879022	.000000	.000000	.000000
M9	1.513425	1.513425	1.513425	.000000	.000000	.000000
N1	2.673555	2.673555	2.673555	.000000	.000000	.000000
N2	14.145910	14.145910	14.145910	.000000	.000000	.000000
N3	12.000456	12.000456	12.000456	.000000	.000000	.000000
N8	12.000456	12.000456	12.000456	.000000	.000000	.000000
N9	14.145910	14.145910	14.145910	.000000	.000000	.000000
O4	0.036106	0.036106	0.036106	.000000	.000000	.000000
O7	0.036106	0.036106	0.036106	.000000	.000000	.000000
P1	2.681942	2.681942	2.681942	.000000	.000000	.000000
P2	4.612080	4.612080	4.612080	.000000	.000000	.000000
P3	4.007934	4.007934	4.007934	.000000	.000000	.000000
P4	0.060753	0.060753	0.060753	.000000	.000000	.000000
P5	3.350343	3.350343	3.350343	.000000	.000000	.000000
P6	3.350343	3.350343	3.350343	.000000	.000000	.000000
P7	0.060753	0.060753	0.060753	.000000	.000000	.000000
P8	6.189234	6.189234	6.189234	.000000	.000000	.000000
P9	6.284980	6.284980	6.284980	.000000	.000000	.000000
E2A	0.174497	0.174497	0.174497	.000000	.000000	.000000
E2B	0.282258	0.282258	0.282258	.000000	.000000	.000000
E3A	0.247158	0.247158	0.247158	.000000	.000000	.000000
E3B	0.250177	0.250177	0.250177	.000000	.000000	.000000
E3C	0.212058	0.212058	0.212058	.000000	.000000	.000000
E4A	0.213568	0.213568	0.213568	.000000	.000000	.000000
E4B	0.216497	0.216497	0.216497	.000000	.000000	.000000
E6A	0.216497	0.216497	0.216497	.000000	.000000	.000000
E6B	0.213568	0.213568	0.213568	.000000	.000000	.000000
E7A	0.212058	0.212058	0.212058	.000000	.000000	.000000
E7B	0.250177	0.250177	0.250177	.000000	.000000	.000000
E7C	0.247158	0.247158	0.247158	.000000	.000000	.000000
E8A	0.282258	0.282258	0.282258	.000000	.000000	.000000
E8B	0.174497	0.174497	0.174497	.000000	.000000	.000000
G2A	0.358613	0.358613	0.358613	.000000	.000000	.000000
G2B	0.610077	0.610077	0.610077	.000000	.000000	.000000
G2C	0.529503	0.529503	0.529503	.000000	.000000	.000000
G3A	0.531013	0.531013	0.531013	.000000	.000000	.000000
G3B	0.456377	0.456377	0.456377	.000000	.000000	.000000
G3C	0.452603	0.452603	0.452603	.000000	.000000	.000000
G4A	0.313516	0.313516	0.313516	.000000	.000000	.000000
G6A	0.313516	0.313516	0.313516	.000000	.000000	.000000
G7A	0.452603	0.452603	0.452603	.000000	.000000	.000000
G7B	0.456377	0.456377	0.456377	.000000	.000000	.000000

G7C	0.531013	0.531013	0.531013	.000000	.000000	.000000
G8A	0.529503	0.529503	0.529503	.000000	.000000	.000000
G8B	0.610077	0.610077	0.610077	.000000	.000000	.000000
G8C	0.358613	0.358613	0.358613	.000000	.000000	.000000
I10	0.413369	0.413369	0.413369	.000000	.000000	.000000
I1A	0.382048	0.382048	0.382048	.000000	.000000	.000000
I2A	0.659536	0.659536	0.659536	.000000	.000000	.000000
I2B	0.578177	0.578177	0.578177	.000000	.000000	.000000
I2C	0.574281	0.574281	0.574281	.000000	.000000	.000000
I3A	0.492636	0.492636	0.492636	.000000	.000000	.000000
I3B	0.494777	0.494777	0.494777	.000000	.000000	.000000
I3C	0.168681	0.168681	0.168681	.000000	.000000	.000000
I4A	0.178616	0.178616	0.178616	.000000	.000000	.000000
I6A	0.178616	0.178616	0.178616	.000000	.000000	.000000
I7A	0.168681	0.168681	0.168681	.000000	.000000	.000000
I7B	0.494777	0.494777	0.494777	.000000	.000000	.000000
I7C	0.492636	0.492636	0.492636	.000000	.000000	.000000
I8A	0.574281	0.574281	0.574281	.000000	.000000	.000000
I8B	0.578177	0.578177	0.578177	.000000	.000000	.000000
I8C	0.659536	0.659536	0.659536	.000000	.000000	.000000
I9A	0.382048	0.382048	0.382048	.000000	.000000	.000000
J10	0.418659	0.418659	0.418659	.000000	.000000	.000000
K10	0.413369	0.413369	0.413369	.000000	.000000	.000000
K1A	0.451945	0.451945	0.451945	.000000	.000000	.000000
K1B	0.771138	0.771138	0.771138	.000000	.000000	.000000
K2A	0.674378	0.674378	0.674378	.000000	.000000	.000000
K2B	0.676777	0.676777	0.676777	.000000	.000000	.000000
K2C	0.575238	0.575238	0.575238	.000000	.000000	.000000
K3A	0.578239	0.578239	0.578239	.000000	.000000	.000000
K3B	0.391277	0.391277	0.391277	.000000	.000000	.000000
K7A	0.391277	0.391277	0.391277	.000000	.000000	.000000
K7B	0.578239	0.578239	0.578239	.000000	.000000	.000000
K8A	0.575238	0.575238	0.575238	.000000	.000000	.000000
K8B	0.676777	0.676777	0.676777	.000000	.000000	.000000
K8C	0.674378	0.674378	0.674378	.000000	.000000	.000000
K9A	0.771138	0.771138	0.771138	.000000	.000000	.000000
K9B	0.451945	0.451945	0.451945	.000000	.000000	.000000
L10	0.424955	0.424955	0.424955	.000000	.000000	.000000
M10	1.404577	1.404577	1.404577	.000000	.000000	.000000
M3A	0.234516	0.234516	0.234516	.000000	.000000	.000000
M7A	0.234516	0.234516	0.234516	.000000	.000000	.000000
N10	2.673555	2.673555	2.673555	.000000	.000000	.000000
N1A	0.267262	0.267262	0.267262	.000000	.000000	.000000
N1B	0.456879	0.456879	0.456879	.000000	.000000	.000000
N1C	0.398124	0.398124	0.398124	.000000	.000000	.000000
N2A	0.393744	0.393744	0.393744	.000000	.000000	.000000
N2B	0.344379	0.344379	0.344379	.000000	.000000	.000000
N2C	0.341824	0.341824	0.341824	.000000	.000000	.000000
N8A	0.341824	0.341824	0.341824	.000000	.000000	.000000
N8B	0.344379	0.344379	0.344379	.000000	.000000	.000000
N8C	0.393744	0.393744	0.393744	.000000	.000000	.000000
N9A	0.398124	0.398124	0.398124	.000000	.000000	.000000
N9B	0.456879	0.456879	0.456879	.000000	.000000	.000000
N9C	0.267262	0.267262	0.267262	.000000	.000000	.000000
P10	3.147742	3.147742	3.147742	.000000	.000000	.000000
2SEC1	0.014090	0.014090	0.014090	.000000	.000000	.000000
3SEC1	0.014090	0.014090	0.014090	.000000	.000000	.000000
4SEC1	0.028181	0.028181	0.028181	.000000	.000000	.000000
5SEC1	0.028181	0.028181	0.028181	.000000	.000000	.000000
6SEC1	0.028181	0.028181	0.028181	.000000	.000000	.000000
7SEC1	0.028181	0.028181	0.028181	.000000	.000000	.000000
8SEC1	0.014090	0.014090	0.014090	.000000	.000000	.000000
9SEC1	0.014090	0.014090	0.014090	.000000	.000000	.000000

T O T A L A S S E M B L E D J O I N T M A S S E S

IN GLOBAL COORDINATES

	UX	UY	UZ	RX	RY	RZ
TOTAL	145.524023	145.524023	145.524023	.000000	.000000	.000000

T O T A L A C C E L E R A T E D M A S S A N D L O C A T I O N

TOTAL MASS ACTIVATED BY ACCELERATION LOADS, IN GLOBAL COORDINATES

	UX	UY	UZ
MASS	145.295169	.000000	145.295169
X-LOC	353.666355	.000000	353.666355
Y-LOC	120.000000	.000000	120.000000
Z-LOC	523.321148	.000000	523.321148

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J O I N T D I S P L A C E M E N T S

TRANSLATIONS AND ROTATIONS, IN GLOBAL COORDINATES

COMBDEADLOAD ---------- MAX

JOINT	UX	UY	UZ	RY
2	0.031503	.000000	0.229794	.000000
3	0.031477	.000000	0.250040	.000000
A3	.000000	.000000	.000000	1.42E-05
A4	.000000	.000000	.000000	1.60E-05
A5	.000000	.000000	.000000	7.62E-06
A6	.000000	.000000	.000000	8.24E-06
A7	.000000	.000000	.000000	1.88E-05
A8	.000000	.000000	.000000	1.65E-05
B3	0.000299	.000000	0.027862	3.00E-05
B4	0.000292	.000000	0.004668	3.42E-05
B5	0.000275	.000000	0.008300	1.18E-05
B6	0.000273	.000000	0.009799	1.05E-05
B7	0.000286	.000000	0.004668	2.82E-05
B8	0.000292	.000000	0.030342	2.49E-05
C3	0.002400	.000000	0.054295	3.67E-05
C4	0.002394	.000000	0.009034	2.18E-05
C7	0.002007	.000000	0.009034	1.84E-05
C8	0.002012	.000000	0.059132	3.02E-05
D2	.000000	.000000	.000000	0.000275
D3	0.000889	.000000	0.080677	0.000158
D4	0.000851	.000000	0.013350	9.93E-05
D5	0.000799	.000000	0.023906	3.14E-05
D6	0.000807	.000000	0.028254	3.82E-05
D7	0.000872	.000000	0.013350	0.000109
D8	0.000920	.000000	0.087871	0.000169
D9	.000000	.000000	.000000	0.000332
E2	0.005109	.000000	0.006913	0.000502
E3	0.003490	.000000	0.089321	0.000213
E4	0.002427	.000000	0.014746	0.000121
E5	0.001376	.000000	0.026442	3.89E-05
E6	0.001512	.000000	0.031258	4.77E-05

E7	0.002836	.000000	0.014746	0.000132
E8	0.004176	.000000	0.097289	0.000224
E9	0.006216	.000000	0.007312	0.000604
F2	0.033832	.000000	0.021143	0.001067
F3	0.033832	.000000	0.106868	.000000
F8	0.038814	.000000	0.116444	.000000
F9	0.038814	.000000	0.022373	0.001171
G2	0.255886	.000000	0.041673	.000000
G3	0.251135	.000000	0.132542	.000000
G4	0.246384	.000000	0.020736	.000000
G5	0.241634	.000000	0.039051	.000000
G6	0.241752	.000000	0.046263	.000000
G7	0.246741	.000000	0.020736	.000000
G8	0.251730	.000000	0.144475	.000000
G9	0.256719	.000000	0.044121	.000000
H2	0.344859	.000000	0.062546	.000000
H3	0.340143	.000000	0.156498	.000000
H8	0.341027	.000000	0.170789	.000000
H9	0.345971	.000000	0.066258	.000000
I1	0.004980	.000000	0.166000	.000000
I2	0.004923	.000000	0.089352	.000000
I3	0.004359	.000000	0.178497	.000000
I4	0.003796	.000000	0.025660	.000000
I5	0.003232	.000000	0.053620	.000000
I6	0.003234	.000000	0.063681	.000000
I7	0.003810	.000000	0.025660	.000000
I8	0.004385	.000000	0.195145	.000000
I9	0.004960	.000000	0.094875	.000000
J1	0.083322	.000000	0.160325	.000000
J2	0.083275	.000000	0.114958	.000000
J3	0.083140	.000000	0.198731	.000000
J8	0.089040	.000000	0.217737	.000000
J9	0.089173	.000000	0.122290	.000000
K1	0.006280	.000000	0.191182	.000000
K2	0.006021	.000000	0.140508	.000000
K3	0.005291	.000000	0.218984	.000000
K4	0.004561	.000000	0.028989	.000000
K5	0.003830	.000000	0.067931	.000000
K6	0.003839	.000000	0.080841	.000000
K7	0.004584	.000000	0.028989	.000000
K8	0.005328	.000000	0.240348	.000000
K9	0.006073	.000000	0.149649	.000000
L1	0.080317	.000000	0.186694	.000000
L2	0.080224	.000000	0.164223	.000000
L3	0.080090	.000000	0.237466	.000000
L8	0.087026	.000000	0.261188	.000000
L9	0.087156	.000000	0.175172	.000000
M1	0.012999	.000000	0.214583	.000000
M2	0.012403	.000000	0.187874	.000000
M3	0.008301	.000000	0.255967	.000000
M4	0.005992	.000000	0.031356	.000000
M5	0.003682	.000000	0.082041	.000000
M6	0.003687	.000000	0.097801	.000000
M7	0.006007	.000000	0.031356	.000000
M8	0.008327	.000000	0.282047	.000000
M9	0.012891	.000000	0.200632	.000000
N1	0.057717	.000000	0.212510	.000000
N2	0.057112	.000000	0.202953	.000000
N3	0.057496	.000000	0.268039	.000000
N8	0.062978	.000000	0.295745	.000000
N9	0.062427	.000000	0.216941	.000000
O4	0.235760	.000000	0.031596	.000000
O7	0.235977	.000000	0.031596	.000000

P1	0.238305	.000000	0.287422	.000000
P2	0.237296	.000000	0.212158	.000000
P3	0.236528	.000000	0.276038	.000000
P4	0.235760	.000000	0.031614	.000000
P5	0.234992	.000000	0.095725	.000000
P6	0.235063	.000000	0.111485	.000000
P7	0.235977	.000000	0.031614	.000000
P8	0.236890	.000000	0.308097	.000000
P9	0.237804	.000000	0.229481	.000000
E2A	0.004300	.000000	0.111616	0.001371
E2B	0.003760	.000000	0.110619	0.003005
E3A	0.003313	.000000	0.125697	0.004247
E3B	0.002959	.000000	0.147249	0.001122
E3C	0.002604	.000000	0.075241	0.004646
E4A	0.002252	.000000	0.049661	0.002556
E4B	0.001814	.000000	0.082488	0.001148
E6A	0.002064	.000000	0.085297	0.001215
E6B	0.002615	.000000	0.050464	0.002623
E7A	0.003059	.000000	0.076569	0.004757
E7B	0.003506	.000000	0.151233	0.001233
E7C	0.003952	.000000	0.132337	0.004357
E8A	0.004516	.000000	0.117328	0.003111
E8B	0.005196	.000000	0.115807	0.001476
G2A	0.254896	.000000	0.183216	0.008247
G2B	0.253312	.000000	0.293573	0.001586
G2C	0.251729	.000000	0.202022	0.008902
G3A	0.250145	.000000	0.226510	0.007432
G3B	0.248562	.000000	0.258275	0.002726
G3C	0.246978	.000000	0.107865	0.009175
G4A	0.244669	.000000	0.082204	0.001410
G6A	0.244940	.000000	0.084809	0.001510
G7A	0.247365	.000000	0.109357	0.009340
G7B	0.249028	.000000	0.263745	0.002892
G7C	0.250691	.000000	0.235958	0.007598
G8A	0.252353	.000000	0.212782	0.009056
G8B	0.254016	.000000	0.301203	0.001739
G8C	0.255679	.000000	0.187716	0.008401
I10	0.005017	.000000	0.171999	.000000
I1A	0.004962	.000000	0.141886	0.006335
I2A	0.004801	.000000	0.259530	0.009314
I2B	0.004614	.000000	0.371610	0.002220
I2C	0.004426	.000000	0.255229	0.010189
I3A	0.004238	.000000	0.256084	0.007173
I3B	0.004050	.000000	0.263201	0.003594
I3C	0.003862	.000000	0.104324	0.008870
I4A	0.003702	.000000	0.042677	0.001483
I6A	0.003714	.000000	0.044354	0.001623
I7A	0.003878	.000000	0.106292	0.009101
I7B	0.004069	.000000	0.270719	0.003825
I7C	0.004261	.000000	0.269151	0.007405
I8A	0.004453	.000000	0.270573	0.010393
I8B	0.004644	.000000	0.383278	0.002425
I8C	0.004836	.000000	0.267522	0.009518
I9A	0.004999	.000000	0.147733	0.006373
J10	0.089219	.000000	0.164539	.000000
K10	0.006332	.000000	0.198663	.000000
K1A	0.006253	.000000	0.192258	0.004155
K1B	0.006087	.000000	0.169089	0.003883
K2A	0.005874	.000000	0.311696	0.010398
K2B	0.005631	.000000	0.439245	0.001973
K2C	0.005388	.000000	0.314450	0.010938
K3A	0.005144	.000000	0.267943	0.006689
K3B	0.004830	.000000	0.224903	0.005143

K7A	0.004858	.000000	0.232777	0.005440
K7B	0.005179	.000000	0.285015	0.006986
K8A	0.005427	.000000	0.334207	0.011186
K8B	0.005675	.000000	0.454961	0.002221
K8C	0.005923	.000000	0.323370	0.010645
K9A	0.006138	.000000	0.177808	0.003882
K9B	0.006304	.000000	0.199916	0.004154
L10	0.087246	.000000	0.191303	.000000
M10	0.013487	.000000	0.222955	.000000
M3A	0.007531	.000000	0.219738	0.003970
M7A	0.007554	.000000	0.237125	0.004332
N10	0.063030	.000000	0.219579	.000000
N1A	0.057666	.000000	0.222208	0.003751
N1B	0.057463	.000000	0.247261	0.002515
N1C	0.057260	.000000	0.233465	0.003248
N2A	0.057146	.000000	0.218913	0.002972
N2B	0.057274	.000000	0.264705	0.001835
N2C	0.057403	.000000	0.276753	0.001942
N8A	0.062844	.000000	0.301141	0.002248
N8B	0.062660	.000000	0.284553	0.002142
N8C	0.062476	.000000	0.234180	0.003278
N9A	0.062575	.000000	0.245757	0.003384
N9B	0.062777	.000000	0.257231	0.002652
N9C	0.062980	.000000	0.229857	0.003888
P10	0.239005	.000000	0.296513	.000000
2SEC1	0.030424	.000000	0.179747	0.001693
3SEC1	0.031268	.000000	0.249611	0.001609
4SEC1	0.005744	.000000	0.030958	3.53E-05
5SEC1	0.003707	.000000	0.079625	1.85E-05
6SEC1	0.003713	.000000	0.094895	1.85E-05
7SEC1	0.005761	.000000	0.030958	3.53E-05
8SEC1	0.030335	.000000	0.274880	0.001849
9SEC1	0.029320	.000000	0.191884	0.001939

COMBDEADLOAD ---------- MIN

JOINT	UX	UY	UZ	RY
2	-0.031503	.000000	-0.229794	.000000
3	-0.031477	.000000	-0.250040	.000000
A3	.000000	.000000	.000000	-1.42E-05
A4	.000000	.000000	.000000	-1.60E-05
A5	.000000	.000000	.000000	-7.62E-06
A6	.000000	.000000	.000000	-8.24E-06
A7	.000000	.000000	.000000	-1.88E-05
A8	.000000	.000000	.000000	-1.65E-05
B3	-0.000299	.000000	-0.027862	-3.00E-05
B4	-0.000292	.000000	-0.004668	-3.42E-05
B5	-0.000275	.000000	-0.008300	-1.18E-05
B6	-0.000273	.000000	-0.009799	-1.05E-05
B7	-0.000286	.000000	-0.004668	-2.82E-05
B8	-0.000292	.000000	-0.030342	-2.49E-05
C3	-0.002400	.000000	-0.054295	-3.67E-05
C4	-0.002394	.000000	-0.009034	-2.18E-05
C7	-0.002007	.000000	-0.009034	-1.84E-05
C8	-0.002012	.000000	-0.059132	-3.02E-05
D2	.000000	.000000	.000000	-0.000275
D3	-0.000889	.000000	-0.080677	-0.000158
D4	-0.000851	.000000	-0.013350	-9.93E-05
D5	-0.000799	.000000	-0.023906	-3.14E-05
D6	-0.000807	.000000	-0.028254	-3.82E-05
D7	-0.000872	.000000	-0.013350	-0.000109
D8	-0.000920	.000000	-0.087871	-0.000169
D9	.000000	.000000	.000000	-0.000332

E2	-0.005109	.000000	-0.006913	-0.000502
E3	-0.003490	.000000	-0.089321	-0.000213
E4	-0.002427	.000000	-0.014746	-0.000121
E5	-0.001376	.000000	-0.026442	-3.89E-05
E6	-0.001512	.000000	-0.031258	-4.77E-05
E7	-0.002836	.000000	-0.014746	-0.000132
E8	-0.004176	.000000	-0.097289	-0.000224
E9	-0.006216	.000000	-0.007312	-0.000604
F2	-0.033832	.000000	-0.021143	-0.001067
F3	-0.033832	.000000	-0.106868	.000000
F8	-0.038814	.000000	-0.116444	.000000
F9	-0.038814	.000000	-0.022373	-0.001171
G2	-0.255886	.000000	-0.041673	.000000
G3	-0.251135	.000000	-0.132542	.000000
G4	-0.246384	.000000	-0.020736	.000000
G5	-0.241634	.000000	-0.039051	.000000
G6	-0.241752	.000000	-0.046263	.000000
G7	-0.246741	.000000	-0.020736	.000000
G8	-0.251730	.000000	-0.144475	.000000
G9	-0.256719	.000000	-0.044121	.000000
H2	-0.344859	.000000	-0.062546	.000000
H3	-0.340143	.000000	-0.156498	.000000
H8	-0.341027	.000000	-0.170789	.000000
H9	-0.345971	.000000	-0.066258	.000000
I1	-0.004980	.000000	-0.166000	.000000
I2	-0.004923	.000000	-0.089352	.000000
I3	-0.004359	.000000	-0.178497	.000000
I4	-0.003796	.000000	-0.025660	.000000
I5	-0.003232	.000000	-0.053620	.000000
I6	-0.003234	.000000	-0.063681	.000000
I7	-0.003810	.000000	-0.025660	.000000
I8	-0.004385	.000000	-0.195145	.000000
I9	-0.004960	.000000	-0.094875	.000000
J1	-0.083322	.000000	-0.160325	.000000
J2	-0.083275	.000000	-0.114958	.000000
J3	-0.083140	.000000	-0.198731	.000000
J8	-0.089040	.000000	-0.217737	.000000
J9	-0.089173	.000000	-0.122290	.000000
K1	-0.006280	.000000	-0.191182	.000000
K2	-0.006021	.000000	-0.140508	.000000
K3	-0.005291	.000000	-0.218984	.000000
K4	-0.004561	.000000	-0.028989	.000000
K5	-0.003830	.000000	-0.067931	.000000
K6	-0.003839	.000000	-0.080841	.000000
K7	-0.004584	.000000	-0.028989	.000000
K8	-0.005328	.000000	-0.240348	.000000
K9	-0.006073	.000000	-0.149649	.000000
L1	-0.080317	.000000	-0.186694	.000000
L2	-0.080224	.000000	-0.164223	.000000
L3	-0.080090	.000000	-0.237466	.000000
L8	-0.087026	.000000	-0.261188	.000000
L9	-0.087156	.000000	-0.175172	.000000
M1	-0.012999	.000000	-0.214583	.000000
M2	-0.012403	.000000	-0.187874	.000000
M3	-0.008301	.000000	-0.255967	.000000
M4	-0.005992	.000000	-0.031356	.000000
M5	-0.003682	.000000	-0.082041	.000000
M6	-0.003687	.000000	-0.097801	.000000
M7	-0.006007	.000000	-0.031356	.000000
M8	-0.008327	.000000	-0.282047	.000000
M9	-0.012891	.000000	-0.200632	.000000
N1	-0.057717	.000000	-0.212510	.000000
N2	-0.057112	.000000	-0.202953	.000000

N3	-0.057496	.000000	-0.268039	.000000
N8	-0.062978	.000000	-0.295745	.000000
N9	-0.062427	.000000	-0.216941	.000000
O4	-0.235760	.000000	-0.031596	.000000
O7	-0.235977	.000000	-0.031596	.000000
P1	-0.238305	.000000	-0.287422	.000000
P2	-0.237296	.000000	-0.212158	.000000
P3	-0.236528	.000000	-0.276038	.000000
P4	-0.235760	.000000	-0.031614	.000000
P5	-0.234992	.000000	-0.095725	.000000
P6	-0.235063	.000000	-0.111485	.000000
P7	-0.235977	.000000	-0.031614	.000000
P8	-0.236890	.000000	-0.308097	.000000
P9	-0.237804	.000000	-0.229481	.000000
E2A	-0.004300	.000000	-0.111616	-0.001371
E2B	-0.003760	.000000	-0.110619	-0.003005
E3A	-0.003313	.000000	-0.125697	-0.004247
E3B	-0.002959	.000000	-0.147249	-0.001122
E3C	-0.002604	.000000	-0.075241	-0.004646
E4A	-0.002252	.000000	-0.049661	-0.002556
E4B	-0.001814	.000000	-0.082488	-0.001148
E6A	-0.002064	.000000	-0.085297	-0.001215
E6B	-0.002615	.000000	-0.050464	-0.002623
E7A	-0.003059	.000000	-0.076569	-0.004757
E7B	-0.003506	.000000	-0.151233	-0.001233
E7C	-0.003952	.000000	-0.132337	-0.004357
E8A	-0.004516	.000000	-0.117328	-0.003111
E8B	-0.005196	.000000	-0.115807	-0.001476
G2A	-0.254896	.000000	-0.183216	-0.008247
G2B	-0.253312	.000000	-0.293573	-0.001586
G2C	-0.251729	.000000	-0.202022	-0.008902
G3A	-0.250145	.000000	-0.226510	-0.007432
G3B	-0.248562	.000000	-0.258275	-0.002726
G3C	-0.246978	.000000	-0.107865	-0.009175
G4A	-0.244669	.000000	-0.082204	-0.001410
G6A	-0.244940	.000000	-0.084809	-0.001510
G7A	-0.247365	.000000	-0.109357	-0.009340
G7B	-0.249028	.000000	-0.263745	-0.002892
G7C	-0.250691	.000000	-0.235958	-0.007598
G8A	-0.252353	.000000	-0.212782	-0.009056
G8B	-0.254016	.000000	-0.301203	-0.001739
G8C	-0.255679	.000000	-0.187716	-0.008401
I10	-0.005017	.000000	-0.171999	.000000
I1A	-0.004962	.000000	-0.141886	-0.006335
I2A	-0.004801	.000000	-0.259530	-0.009314
I2B	-0.004614	.000000	-0.371610	-0.002220
I2C	-0.004426	.000000	-0.255229	-0.010189
I3A	-0.004238	.000000	-0.256084	-0.007173
I3B	-0.004050	.000000	-0.263201	-0.003594
I3C	-0.003862	.000000	-0.104324	-0.008870
I4A	-0.003702	.000000	-0.042677	-0.001483
I6A	-0.003714	.000000	-0.044354	-0.001623
I7A	-0.003878	.000000	-0.106292	-0.009101
I7B	-0.004069	.000000	-0.270719	-0.003825
I7C	-0.004261	.000000	-0.269151	-0.007405
I8A	-0.004453	.000000	-0.270573	-0.010393
I8B	-0.004644	.000000	-0.383278	-0.002425
I8C	-0.004836	.000000	-0.267522	-0.009518
I9A	-0.004999	.000000	-0.147733	-0.006373
J10	-0.089219	.000000	-0.164539	.000000
K10	-0.006332	.000000	-0.198663	.000000
K1A	-0.006253	.000000	-0.192258	-0.004155
K1B	-0.006087	.000000	-0.169089	-0.003883

K2A	-0.005874	.000000	-0.311696	-0.010398
K2B	-0.005631	.000000	-0.439245	-0.001973
K2C	-0.005388	.000000	-0.314450	-0.010938
K3A	-0.005144	.000000	-0.267943	-0.006689
K3B	-0.004830	.000000	-0.224903	-0.005143
K7A	-0.004858	.000000	-0.232777	-0.005440
K7B	-0.005179	.000000	-0.285015	-0.006986
K8A	-0.005427	.000000	-0.334207	-0.011186
K8B	-0.005675	.000000	-0.454961	-0.002221
K8C	-0.005923	.000000	-0.323370	-0.010645
K9A	-0.006138	.000000	-0.177808	-0.003882
K9B	-0.006304	.000000	-0.199916	-0.004154
L10	-0.087246	.000000	-0.191303	.000000
M10	-0.013487	.000000	-0.222955	.000000
M3A	-0.007531	.000000	-0.219738	-0.003970
M7A	-0.007554	.000000	-0.237125	-0.004332
N10	-0.063030	.000000	-0.219579	.000000
N1A	-0.057666	.000000	-0.222208	-0.003751
N1B	-0.057463	.000000	-0.247261	-0.002515
N1C	-0.057260	.000000	-0.233465	-0.003248
N2A	-0.057146	.000000	-0.218913	-0.002972
N2B	-0.057274	.000000	-0.264705	-0.001835
N2C	-0.057403	.000000	-0.276753	-0.001942
N8A	-0.062844	.000000	-0.301141	-0.002248
N8B	-0.062660	.000000	-0.284553	-0.002142
N8C	-0.062476	.000000	-0.234180	-0.003278
N9A	-0.062575	.000000	-0.245757	-0.003384
N9B	-0.062777	.000000	-0.257231	-0.002652
N9C	-0.062980	.000000	-0.229857	-0.003888
P10	-0.239005	.000000	-0.296513	.000000
2SEC1	-0.030424	.000000	-0.179747	-0.001693
3SEC1	-0.031268	.000000	-0.249611	-0.001609
4SEC1	-0.005744	.000000	-0.030958	-3.53E-05
5SEC1	-0.003707	.000000	-0.079625	-1.85E-05
6SEC1	-0.003713	.000000	-0.094895	-1.85E-05
7SEC1	-0.005761	.000000	-0.030958	-3.53E-05
8SEC1	-0.030335	.000000	-0.274880	-0.001849
9SEC1	-0.029320	.000000	-0.191884	-0.001939

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S P R I N G F O R C E S

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

LOAD DEAD ----------

JOINT	FX	FY	FZ	MY
2	.000000	.000000	.000000	.000000
3	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	-3.82E-07
A4	.000000	.000000	.000000	-4.60E-07
A5	.000000	.000000	.000000	-1.01E-07
A6	.000000	.000000	.000000	1.01E-07
A7	.000000	.000000	.000000	4.60E-07
A8	.000000	.000000	.000000	3.82E-07
B3	.000000	.000000	.000000	8.39E-07
B4	.000000	.000000	.000000	9.83E-07
B5	.000000	.000000	.000000	2.24E-07
B6	.000000	.000000	.000000	-2.24E-07

B7	.000000	.000000	.000000	-9.83E-07
B8	.000000	.000000	.000000	-8.39E-07
C3	.000000	.000000	.000000	1.07E-06
C4	.000000	.000000	.000000	5.62E-07
C7	.000000	.000000	.000000	-5.62E-07
C8	.000000	.000000	.000000	-1.07E-06
D2	.000000	.000000	.000000	-9.43E-06
D3	.000000	.000000	.000000	-5.55E-06
D4	.000000	.000000	.000000	-3.53E-06
D5	.000000	.000000	.000000	-1.12E-06
D6	.000000	.000000	.000000	1.12E-06
D7	.000000	.000000	.000000	3.53E-06
D8	.000000	.000000	.000000	5.55E-06
D9	.000000	.000000	.000000	9.43E-06
E2	.000000	.000000	.000000	-1.87E-05
E3	.000000	.000000	.000000	-7.41E-06
E4	.000000	.000000	.000000	-4.29E-06
E5	.000000	.000000	.000000	-1.44E-06
E6	.000000	.000000	.000000	1.44E-06
E7	.000000	.000000	.000000	4.29E-06
E8	.000000	.000000	.000000	7.41E-06
E9	.000000	.000000	.000000	1.87E-05
F2	.000000	.000000	.000000	-3.79E-05
F3	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	3.79E-05
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	-0.346710	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	0.346711	.000000	.000000	.000000
I1	0.010876	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	-0.232633	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	0.013640	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	-0.210680	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000

L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	0.023639	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	-0.122855	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	0.009124	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-4.09E-05
E2B	.000000	.000000	.000000	0.000131
E3A	.000000	.000000	.000000	-0.000160
E3B	.000000	.000000	.000000	1.19E-05
E3C	.000000	.000000	.000000	0.000184
E4A	.000000	.000000	.000000	-0.000171
E4B	.000000	.000000	.000000	5.05E-05
E6A	.000000	.000000	.000000	-5.05E-05
E6B	.000000	.000000	.000000	0.000171
E7A	.000000	.000000	.000000	-0.000184
E7B	.000000	.000000	.000000	-1.19E-05
E7C	.000000	.000000	.000000	0.000160
E8A	.000000	.000000	.000000	-0.000131
E8B	.000000	.000000	.000000	4.09E-05
G2A	.000000	.000000	.000000	-0.000201
G2B	.000000	.000000	.000000	-1.95E-05
G2C	.000000	.000000	.000000	0.000140
G3A	.000000	.000000	.000000	-0.000139
G3B	.000000	.000000	.000000	4.29E-05
G3C	.000000	.000000	.000000	0.000202
G4A	.000000	.000000	.000000	-8.12E-05
G6A	.000000	.000000	.000000	8.12E-05
G7A	.000000	.000000	.000000	-0.000202
G7B	.000000	.000000	.000000	-4.29E-05
G7C	.000000	.000000	.000000	0.000139
G8A	.000000	.000000	.000000	-0.000140
G8B	.000000	.000000	.000000	1.95E-05
G8C	.000000	.000000	.000000	0.000201
I10	-0.010867	.000000	.000000	.000000
I1A	.000000	.000000	.000000	5.68E-05
I2A	.000000	.000000	.000000	-0.000199
I2B	.000000	.000000	.000000	-1.60E-05
I2C	.000000	.000000	.000000	0.000141
I3A	.000000	.000000	.000000	-0.000130
I3B	.000000	.000000	.000000	5.24E-05

I3C	.000000	.000000	.000000	0.000209
I4A	.000000	.000000	.000000	-0.000171
I6A	.000000	.000000	.000000	0.000171
I7A	.000000	.000000	.000000	-0.000209
I7B	.000000	.000000	.000000	-5.24E-05
I7C	.000000	.000000	.000000	0.000130
I8A	.000000	.000000	.000000	-0.000141
I8B	.000000	.000000	.000000	1.60E-05
I8C	.000000	.000000	.000000	0.000199
I9A	.000000	.000000	.000000	-5.68E-05
J10	0.232642	.000000	.000000	.000000
K10	-0.013650	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-1.61E-05
K1B	.000000	.000000	.000000	3.00E-05
K2A	.000000	.000000	.000000	-0.000203
K2B	.000000	.000000	.000000	-2.27E-05
K2C	.000000	.000000	.000000	0.000139
K3A	.000000	.000000	.000000	-0.000133
K3B	.000000	.000000	.000000	0.000104
K7A	.000000	.000000	.000000	-0.000104
K7B	.000000	.000000	.000000	0.000133
K8A	.000000	.000000	.000000	-0.000139
K8B	.000000	.000000	.000000	2.27E-05
K8C	.000000	.000000	.000000	0.000203
K9A	.000000	.000000	.000000	-3.00E-05
K9B	.000000	.000000	.000000	1.61E-05
L10	0.210671	.000000	.000000	.000000
M10	-0.023642	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-6.78E-05
M7A	.000000	.000000	.000000	6.78E-05
N10	0.122851	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-7.98E-05
N1B	.000000	.000000	.000000	-2.22E-05
N1C	.000000	.000000	.000000	5.29E-05
N2A	.000000	.000000	.000000	-0.000119
N2B	.000000	.000000	.000000	-6.00E-05
N2C	.000000	.000000	.000000	1.59E-05
N8A	.000000	.000000	.000000	-1.59E-05
N8B	.000000	.000000	.000000	6.00E-05
N8C	.000000	.000000	.000000	0.000119
N9A	.000000	.000000	.000000	-5.29E-05
N9B	.000000	.000000	.000000	2.22E-05
N9C	.000000	.000000	.000000	7.98E-05
P10	-0.009119	.000000	.000000	.000000
2SEC1	.000000	.000000	.000000	4.88E-05
3SEC1	.000000	.000000	.000000	4.71E-05
4SEC1	.000000	.000000	.000000	1.89E-07
5SEC1	.000000	.000000	.000000	6.33E-08
6SEC1	.000000	.000000	.000000	-6.27E-08
7SEC1	.000000	.000000	.000000	-1.89E-07
8SEC1	.000000	.000000	.000000	-4.71E-05
9SEC1	.000000	.000000	.000000	-4.88E-05

LOADMANIFOLD ----------

JOINT	FX	FY	FZ	MY
2	.000000	.000000	.000000	.000000
3	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	-4.49E-06
A4	.000000	.000000	.000000	-5.41E-06
A5	.000000	.000000	.000000	-1.19E-06
A6	.000000	.000000	.000000	1.19E-06
A7	.000000	.000000	.000000	5.41E-06

A8	.000000	.000000	.000000	4.49E-06
B3	.000000	.000000	.000000	9.87E-06
B4	.000000	.000000	.000000	1.16E-05
B5	.000000	.000000	.000000	2.63E-06
B6	.000000	.000000	.000000	-2.63E-06
B7	.000000	.000000	.000000	-1.16E-05
B8	.000000	.000000	.000000	-9.87E-06
C3	.000000	.000000	.000000	1.25E-05
C4	.000000	.000000	.000000	6.61E-06
C7	.000000	.000000	.000000	-6.61E-06
C8	.000000	.000000	.000000	-1.25E-05
D2	.000000	.000000	.000000	-0.000111
D3	.000000	.000000	.000000	-6.53E-05
D4	.000000	.000000	.000000	-4.15E-05
D5	.000000	.000000	.000000	-1.32E-05
D6	.000000	.000000	.000000	1.32E-05
D7	.000000	.000000	.000000	4.15E-05
D8	.000000	.000000	.000000	6.53E-05
D9	.000000	.000000	.000000	0.000111
E2	.000000	.000000	.000000	-0.000220
E3	.000000	.000000	.000000	-8.72E-05
E4	.000000	.000000	.000000	-5.04E-05
E5	.000000	.000000	.000000	-1.69E-05
E6	.000000	.000000	.000000	1.69E-05
E7	.000000	.000000	.000000	5.04E-05
E8	.000000	.000000	.000000	8.72E-05
E9	.000000	.000000	.000000	0.000220
F2	.000000	.000000	.000000	-0.000446
F3	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	0.000446
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	-3.468115	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	3.468115	.000000	.000000	.000000
I1	0.006473	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	-3.782798	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	0.006467	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000

K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	-3.779547	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	0.177431	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	-2.066378	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	1.95E-13	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-0.000467
E2B	.000000	.000000	.000000	-0.000467
E3A	.000000	.000000	.000000	0.000493
E3B	.000000	.000000	.000000	0.000493
E3C	.000000	.000000	.000000	0.000493
E4A	.000000	.000000	.000000	2.02E-11
E4B	.000000	.000000	.000000	2.02E-11
E6A	.000000	.000000	.000000	-2.02E-11
E6B	.000000	.000000	.000000	-2.02E-11
E7A	.000000	.000000	.000000	-0.000493
E7B	.000000	.000000	.000000	-0.000493
E7C	.000000	.000000	.000000	-0.000493
E8A	.000000	.000000	.000000	0.000467
E8B	.000000	.000000	.000000	0.000467
G2A	.000000	.000000	.000000	-0.000578
G2B	.000000	.000000	.000000	-0.000578
G2C	.000000	.000000	.000000	-0.000578
G3A	.000000	.000000	.000000	0.000741
G3B	.000000	.000000	.000000	0.000741
G3C	.000000	.000000	.000000	0.000741
G4A	.000000	.000000	.000000	2.90E-11
G6A	.000000	.000000	.000000	-2.90E-11
G7A	.000000	.000000	.000000	-0.000741
G7B	.000000	.000000	.000000	-0.000741
G7C	.000000	.000000	.000000	-0.000741
G8A	.000000	.000000	.000000	0.000578
G8B	.000000	.000000	.000000	0.000578
G8C	.000000	.000000	.000000	0.000578
I10	-0.006473	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.000125

I2A	.000000	.000000	.000000	-0.000644
I2B	.000000	.000000	.000000	-0.000644
I2C	.000000	.000000	.000000	-0.000644
I3A	.000000	.000000	.000000	0.001035
I3B	.000000	.000000	.000000	0.001035
I3C	.000000	.000000	.000000	0.001035
I4A	.000000	.000000	.000000	3.69E-11
I6A	.000000	.000000	.000000	-3.69E-11
I7A	.000000	.000000	.000000	-0.001035
I7B	.000000	.000000	.000000	-0.001035
I7C	.000000	.000000	.000000	-0.001035
I8A	.000000	.000000	.000000	0.000644
I8B	.000000	.000000	.000000	0.000644
I8C	.000000	.000000	.000000	0.000644
I9A	.000000	.000000	.000000	0.000125
J10	3.782798	.000000	.000000	.000000
K10	-0.006467	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.000607
K1B	.000000	.000000	.000000	-0.000607
K2A	.000000	.000000	.000000	-0.000643
K2B	.000000	.000000	.000000	-0.000643
K2C	.000000	.000000	.000000	-0.000643
K3A	.000000	.000000	.000000	0.001329
K3B	.000000	.000000	.000000	0.001329
K7A	.000000	.000000	.000000	-0.001329
K7B	.000000	.000000	.000000	-0.001329
K8A	.000000	.000000	.000000	0.000643
K8B	.000000	.000000	.000000	0.000643
K8C	.000000	.000000	.000000	0.000643
K9A	.000000	.000000	.000000	0.000607
K9B	.000000	.000000	.000000	0.000607
L10	3.779547	.000000	.000000	.000000
M10	-0.177431	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.001623
M7A	.000000	.000000	.000000	-0.001623
N10	2.066378	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.000792
N1B	.000000	.000000	.000000	-0.000792
N1C	.000000	.000000	.000000	-0.000792
N2A	.000000	.000000	.000000	-0.000643
N2B	.000000	.000000	.000000	-0.000643
N2C	.000000	.000000	.000000	-0.000643
N8A	.000000	.000000	.000000	0.000643
N8B	.000000	.000000	.000000	0.000643
N8C	.000000	.000000	.000000	0.000643
N9A	.000000	.000000	.000000	0.000792
N9B	.000000	.000000	.000000	0.000792
N9C	.000000	.000000	.000000	0.000792
P10	1.95E-13	.000000	.000000	.000000
2SEC1	.000000	.000000	.000000	0.000825
3SEC1	.000000	.000000	.000000	0.000789
4SEC1	.000000	.000000	.000000	-1.44E-07
5SEC1	.000000	.000000	.000000	-4.81E-08
6SEC1	.000000	.000000	.000000	4.81E-08
7SEC1	.000000	.000000	.000000	1.44E-07
8SEC1	.000000	.000000	.000000	-0.000789
9SEC1	.000000	.000000	.000000	-0.000825

LOAD TBAR ----------

JOINT	FX	FY	FZ	MY
2	.000000	.000000	.000000	.000000
3	.000000	.000000	.000000	.000000

A3	.000000	.000000	.000000	-2.66E-06
A4	.000000	.000000	.000000	-3.21E-06
A5	.000000	.000000	.000000	-7.05E-07
A6	.000000	.000000	.000000	7.05E-07
A7	.000000	.000000	.000000	3.21E-06
A8	.000000	.000000	.000000	2.66E-06
B3	.000000	.000000	.000000	5.85E-06
B4	.000000	.000000	.000000	6.86E-06
B5	.000000	.000000	.000000	1.56E-06
B6	.000000	.000000	.000000	-1.56E-06
B7	.000000	.000000	.000000	-6.86E-06
B8	.000000	.000000	.000000	-5.85E-06
C3	.000000	.000000	.000000	7.44E-06
C4	.000000	.000000	.000000	3.92E-06
C7	.000000	.000000	.000000	-3.92E-06
C8	.000000	.000000	.000000	-7.44E-06
D2	.000000	.000000	.000000	-6.57E-05
D3	.000000	.000000	.000000	-3.87E-05
D4	.000000	.000000	.000000	-2.46E-05
D5	.000000	.000000	.000000	-7.80E-06
D6	.000000	.000000	.000000	7.80E-06
D7	.000000	.000000	.000000	2.46E-05
D8	.000000	.000000	.000000	3.87E-05
D9	.000000	.000000	.000000	6.57E-05
E2	.000000	.000000	.000000	-0.000130
E3	.000000	.000000	.000000	-5.17E-05
E4	.000000	.000000	.000000	-2.99E-05
E5	.000000	.000000	.000000	-1.00E-05
E6	.000000	.000000	.000000	1.00E-05
E7	.000000	.000000	.000000	2.99E-05
E8	.000000	.000000	.000000	5.17E-05
E9	.000000	.000000	.000000	0.000130
F2	.000000	.000000	.000000	-0.000264
F3	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	0.000264
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	-2.262939	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	2.262907	.000000	.000000	.000000
I1	0.049407	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	-1.681413	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	0.119504	.000000	.000000	.000000

K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	-1.385775	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	0.095034	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	-0.826027	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	2.00E-13	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-0.000501
E2B	.000000	.000000	.000000	0.002045
E3A	.000000	.000000	.000000	-0.003209
E3B	.000000	.000000	.000000	0.000233
E3C	.000000	.000000	.000000	0.003585
E4A	.000000	.000000	.000000	-0.000746
E4B	.000000	.000000	.000000	0.000423
E6A	.000000	.000000	.000000	-0.000423
E6B	.000000	.000000	.000000	0.000746
E7A	.000000	.000000	.000000	-0.003585
E7B	.000000	.000000	.000000	-0.000233
E7C	.000000	.000000	.000000	0.003209
E8A	.000000	.000000	.000000	-0.002045
E8B	.000000	.000000	.000000	0.000501
G2A	.000000	.000000	.000000	-0.007080
G2B	.000000	.000000	.000000	0.000601
G2C	.000000	.000000	.000000	0.007797
G3A	.000000	.000000	.000000	-0.005978
G3B	.000000	.000000	.000000	0.001368
G3C	.000000	.000000	.000000	0.007657
G4A	.000000	.000000	.000000	0.000116
G6A	.000000	.000000	.000000	-0.000116
G7A	.000000	.000000	.000000	-0.007657
G7B	.000000	.000000	.000000	-0.001368
G7C	.000000	.000000	.000000	0.005978

G8A	.000000	.000000	.000000	-0.007797
G8B	.000000	.000000	.000000	-0.000601
G8C	.000000	.000000	.000000	0.007080
I10	-0.049360	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.000284
I2A	.000000	.000000	.000000	-0.008120
I2B	.000000	.000000	.000000	0.001209
I2C	.000000	.000000	.000000	0.009053
I3A	.000000	.000000	.000000	-0.004878
I3B	.000000	.000000	.000000	0.001698
I3C	.000000	.000000	.000000	0.006382
I4A	.000000	.000000	.000000	0.000131
I6A	.000000	.000000	.000000	-0.000131
I7A	.000000	.000000	.000000	-0.006382
I7B	.000000	.000000	.000000	-0.001698
I7C	.000000	.000000	.000000	0.004878
I8A	.000000	.000000	.000000	-0.009053
I8B	.000000	.000000	.000000	-0.001209
I8C	.000000	.000000	.000000	0.008120
I9A	.000000	.000000	.000000	-0.000284
J10	1.681460	.000000	.000000	.000000
K10	-0.119543	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.001417
K1B	.000000	.000000	.000000	0.001132
K2A	.000000	.000000	.000000	-0.009149
K2B	.000000	.000000	.000000	0.000905
K2C	.000000	.000000	.000000	0.009753
K3A	.000000	.000000	.000000	-0.001982
K3B	.000000	.000000	.000000	0.001838
K7A	.000000	.000000	.000000	-0.001838
K7B	.000000	.000000	.000000	0.001982
K8A	.000000	.000000	.000000	-0.009753
K8B	.000000	.000000	.000000	-0.000905
K8C	.000000	.000000	.000000	0.009149
K9A	.000000	.000000	.000000	-0.001132
K9B	.000000	.000000	.000000	0.001417
L10	1.385736	.000000	.000000	.000000
M10	-0.095026	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000450
M7A	.000000	.000000	.000000	-0.000450
N10	0.826035	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.001622
N1B	.000000	.000000	.000000	-0.000443
N1C	.000000	.000000	.000000	0.001145
N2A	.000000	.000000	.000000	-0.001676
N2B	.000000	.000000	.000000	-0.000598
N2C	.000000	.000000	.000000	0.000749
N8A	.000000	.000000	.000000	-0.000749
N8B	.000000	.000000	.000000	0.000598
N8C	.000000	.000000	.000000	0.001676
N9A	.000000	.000000	.000000	-0.001145
N9B	.000000	.000000	.000000	0.000443
N9C	.000000	.000000	.000000	0.001622
P10	1.99E-13	.000000	.000000	.000000
2SEC1	.000000	.000000	.000000	0.000309
3SEC1	.000000	.000000	.000000	0.000304
4SEC1	.000000	.000000	.000000	-1.13E-07
5SEC1	.000000	.000000	.000000	-3.62E-08
6SEC1	.000000	.000000	.000000	4.11E-08
7SEC1	.000000	.000000	.000000	1.18E-07
8SEC1	.000000	.000000	.000000	-0.000304
9SEC1	.000000	.000000	.000000	-0.000309

LOADTOPCOVER ----------

JOINT	FX	FY	FZ	MY
2	.000000	.000000	.000000	.000000
3	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	-1.19E-06
A4	.000000	.000000	.000000	-1.43E-06
A5	.000000	.000000	.000000	-3.16E-07
A6	.000000	.000000	.000000	3.16E-07
A7	.000000	.000000	.000000	1.43E-06
A8	.000000	.000000	.000000	1.19E-06
B3	.000000	.000000	.000000	2.62E-06
B4	.000000	.000000	.000000	3.07E-06
B5	.000000	.000000	.000000	6.98E-07
B6	.000000	.000000	.000000	-6.98E-07
B7	.000000	.000000	.000000	-3.07E-06
B8	.000000	.000000	.000000	-2.62E-06
C3	.000000	.000000	.000000	3.33E-06
C4	.000000	.000000	.000000	1.75E-06
C7	.000000	.000000	.000000	-1.75E-06
C8	.000000	.000000	.000000	-3.33E-06
D2	.000000	.000000	.000000	-2.94E-05
D3	.000000	.000000	.000000	-1.73E-05
D4	.000000	.000000	.000000	-1.10E-05
D5	.000000	.000000	.000000	-3.49E-06
D6	.000000	.000000	.000000	3.49E-06
D7	.000000	.000000	.000000	1.10E-05
D8	.000000	.000000	.000000	1.73E-05
D9	.000000	.000000	.000000	2.94E-05
E2	.000000	.000000	.000000	-5.83E-05
E3	.000000	.000000	.000000	-2.31E-05
E4	.000000	.000000	.000000	-1.34E-05
E5	.000000	.000000	.000000	-4.49E-06
E6	.000000	.000000	.000000	4.49E-06
E7	.000000	.000000	.000000	1.34E-05
E8	.000000	.000000	.000000	2.31E-05
E9	.000000	.000000	.000000	5.83E-05
F2	.000000	.000000	.000000	-0.000118
F3	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	0.000118
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	-1.583587	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	1.583587	.000000	.000000	.000000
I1	0.001252	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	-0.704728	.000000	.000000	.000000

J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	0.000743	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	-0.460892	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	0.065278	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	0.074591	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	0.341064	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-0.000145
E2B	.000000	.000000	.000000	-0.000145
E3A	.000000	.000000	.000000	0.000162
E3B	.000000	.000000	.000000	0.000162
E3C	.000000	.000000	.000000	0.000162
E4A	.000000	.000000	.000000	6.50E-12
E4B	.000000	.000000	.000000	6.50E-12
E6A	.000000	.000000	.000000	-6.50E-12
E6B	.000000	.000000	.000000	-6.50E-12
E7A	.000000	.000000	.000000	-0.000162
E7B	.000000	.000000	.000000	-0.000162
E7C	.000000	.000000	.000000	-0.000162
E8A	.000000	.000000	.000000	0.000145
E8B	.000000	.000000	.000000	0.000145
G2A	.000000	.000000	.000000	-0.000138
G2B	.000000	.000000	.000000	-0.000138
G2C	.000000	.000000	.000000	-0.000138
G3A	.000000	.000000	.000000	0.000244
G3B	.000000	.000000	.000000	0.000244
G3C	.000000	.000000	.000000	0.000244

G4A	.000000	.000000	.000000	9.29E-12
G6A	.000000	.000000	.000000	-9.29E-12
G7A	.000000	.000000	.000000	-0.000244
G7B	.000000	.000000	.000000	-0.000244
G7C	.000000	.000000	.000000	-0.000244
G8A	.000000	.000000	.000000	0.000138
G8B	.000000	.000000	.000000	0.000138
G8C	.000000	.000000	.000000	0.000138
I10	-0.001161	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.000191
I2A	.000000	.000000	.000000	-0.000105
I2B	.000000	.000000	.000000	-0.000105
I2C	.000000	.000000	.000000	-0.000105
I3A	.000000	.000000	.000000	0.000334
I3B	.000000	.000000	.000000	0.000334
I3C	.000000	.000000	.000000	0.000334
I4A	.000000	.000000	.000000	1.18E-11
I6A	.000000	.000000	.000000	-1.18E-11
I7A	.000000	.000000	.000000	-0.000334
I7B	.000000	.000000	.000000	-0.000334
I7C	.000000	.000000	.000000	-0.000334
I8A	.000000	.000000	.000000	0.000105
I8B	.000000	.000000	.000000	0.000105
I8C	.000000	.000000	.000000	0.000105
I9A	.000000	.000000	.000000	-0.000191
J10	0.704819	.000000	.000000	.000000
K10	-0.000834	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-2.94E-05
K1B	.000000	.000000	.000000	-2.94E-05
K2A	.000000	.000000	.000000	-5.39E-05
K2B	.000000	.000000	.000000	-5.39E-05
K2C	.000000	.000000	.000000	-5.39E-05
K3A	.000000	.000000	.000000	0.000419
K3B	.000000	.000000	.000000	0.000419
K7A	.000000	.000000	.000000	-0.000419
K7B	.000000	.000000	.000000	-0.000419
K8A	.000000	.000000	.000000	5.39E-05
K8B	.000000	.000000	.000000	5.39E-05
K8C	.000000	.000000	.000000	5.39E-05
K9A	.000000	.000000	.000000	2.94E-05
K9B	.000000	.000000	.000000	2.94E-05
L10	0.460802	.000000	.000000	.000000
M10	-0.065376	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000504
M7A	.000000	.000000	.000000	-0.000504
N10	-0.074690	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-7.72E-05
N1B	.000000	.000000	.000000	-7.72E-05
N1C	.000000	.000000	.000000	-7.72E-05
N2A	.000000	.000000	.000000	1.53E-05
N2B	.000000	.000000	.000000	1.53E-05
N2C	.000000	.000000	.000000	1.53E-05
N8A	.000000	.000000	.000000	-1.53E-05
N8B	.000000	.000000	.000000	-1.53E-05
N8C	.000000	.000000	.000000	-1.53E-05
N9A	.000000	.000000	.000000	7.72E-05
N9B	.000000	.000000	.000000	7.72E-05
N9C	.000000	.000000	.000000	7.72E-05
P10	-0.340867	.000000	.000000	.000000
2SEC1	.000000	.000000	.000000	0.000110
3SEC1	.000000	.000000	.000000	9.61E-05
4SEC1	.000000	.000000	.000000	-4.63E-08
5SEC1	.000000	.000000	.000000	-1.57E-08

6SEC1	.000000	.000000	.000000	1.49E-08
7SEC1	.000000	.000000	.000000	4.55E-08
8SEC1	.000000	.000000	.000000	-9.61E-05
9SEC1	.000000	.000000	.000000	-0.000110

LOAD PEWALLS ----------

JOINT	FX	FY	FZ	MY
2	.000000	.000000	.000000	.000000
3	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
B3	.000000	.000000	.000000	.000000
B4	.000000	.000000	.000000	.000000
B5	.000000	.000000	.000000	.000000
B6	.000000	.000000	.000000	.000000
B7	.000000	.000000	.000000	.000000
B8	.000000	.000000	.000000	.000000
C3	.000000	.000000	.000000	.000000
C4	.000000	.000000	.000000	.000000
C7	.000000	.000000	.000000	.000000
C8	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000

I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	.000000
E2B	.000000	.000000	.000000	.000000
E3A	.000000	.000000	.000000	.000000
E3B	.000000	.000000	.000000	.000000
E3C	.000000	.000000	.000000	.000000
E4A	.000000	.000000	.000000	.000000
E4B	.000000	.000000	.000000	.000000
E6A	.000000	.000000	.000000	.000000
E6B	.000000	.000000	.000000	.000000
E7A	.000000	.000000	.000000	.000000
E7B	.000000	.000000	.000000	.000000
E7C	.000000	.000000	.000000	.000000
E8A	.000000	.000000	.000000	.000000
E8B	.000000	.000000	.000000	.000000
G2A	.000000	.000000	.000000	.000000

G2B	.000000	.000000	.000000	.000000
G2C	.000000	.000000	.000000	.000000
G3A	.000000	.000000	.000000	.000000
G3B	.000000	.000000	.000000	.000000
G3C	.000000	.000000	.000000	.000000
G4A	.000000	.000000	.000000	.000000
G6A	.000000	.000000	.000000	.000000
G7A	.000000	.000000	.000000	.000000
G7B	.000000	.000000	.000000	.000000
G7C	.000000	.000000	.000000	.000000
G8A	.000000	.000000	.000000	.000000
G8B	.000000	.000000	.000000	.000000
G8C	.000000	.000000	.000000	.000000
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	.000000
I2A	.000000	.000000	.000000	.000000
I2B	.000000	.000000	.000000	.000000
I2C	.000000	.000000	.000000	.000000
I3A	.000000	.000000	.000000	.000000
I3B	.000000	.000000	.000000	.000000
I3C	.000000	.000000	.000000	.000000
I4A	.000000	.000000	.000000	.000000
I6A	.000000	.000000	.000000	.000000
I7A	.000000	.000000	.000000	.000000
I7B	.000000	.000000	.000000	.000000
I7C	.000000	.000000	.000000	.000000
I8A	.000000	.000000	.000000	.000000
I8B	.000000	.000000	.000000	.000000
I8C	.000000	.000000	.000000	.000000
I9A	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	.000000
K1B	.000000	.000000	.000000	.000000
K2A	.000000	.000000	.000000	.000000
K2B	.000000	.000000	.000000	.000000
K2C	.000000	.000000	.000000	.000000
K3A	.000000	.000000	.000000	.000000
K3B	.000000	.000000	.000000	.000000
K7A	.000000	.000000	.000000	.000000
K7B	.000000	.000000	.000000	.000000
K8A	.000000	.000000	.000000	.000000
K8B	.000000	.000000	.000000	.000000
K8C	.000000	.000000	.000000	.000000
K9A	.000000	.000000	.000000	.000000
K9B	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	.000000
M7A	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	.000000
N1B	.000000	.000000	.000000	.000000
N1C	.000000	.000000	.000000	.000000
N2A	.000000	.000000	.000000	.000000
N2B	.000000	.000000	.000000	.000000
N2C	.000000	.000000	.000000	.000000
N8A	.000000	.000000	.000000	.000000
N8B	.000000	.000000	.000000	.000000
N8C	.000000	.000000	.000000	.000000
N9A	.000000	.000000	.000000	.000000
N9B	.000000	.000000	.000000	.000000
N9C	.000000	.000000	.000000	.000000

P10	.000000	.000000	.000000	.000000
2SEC1	.000000	.000000	.000000	.000000
3SEC1	.000000	.000000	.000000	.000000
4SEC1	.000000	.000000	.000000	.000000
5SEC1	.000000	.000000	.000000	.000000
6SEC1	.000000	.000000	.000000	.000000
7SEC1	.000000	.000000	.000000	.000000
8SEC1	.000000	.000000	.000000	.000000
9SEC1	.000000	.000000	.000000	.000000

LOADHOTBASIN ----------

JOINT	FX	FY	FZ	MY
2	.000000	.000000	.000000	.000000
3	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	-6.66E-07
A4	.000000	.000000	.000000	-8.02E-07
A5	.000000	.000000	.000000	-1.77E-07
A6	.000000	.000000	.000000	1.77E-07
A7	.000000	.000000	.000000	8.02E-07
A8	.000000	.000000	.000000	6.66E-07
B3	.000000	.000000	.000000	1.47E-06
B4	.000000	.000000	.000000	1.72E-06
B5	.000000	.000000	.000000	3.91E-07
B6	.000000	.000000	.000000	-3.91E-07
B7	.000000	.000000	.000000	-1.72E-06
B8	.000000	.000000	.000000	-1.47E-06
C3	.000000	.000000	.000000	1.86E-06
C4	.000000	.000000	.000000	9.82E-07
C7	.000000	.000000	.000000	-9.82E-07
C8	.000000	.000000	.000000	-1.86E-06
D2	.000000	.000000	.000000	-1.65E-05
D3	.000000	.000000	.000000	-9.69E-06
D4	.000000	.000000	.000000	-6.17E-06
D5	.000000	.000000	.000000	-1.95E-06
D6	.000000	.000000	.000000	1.95E-06
D7	.000000	.000000	.000000	6.17E-06
D8	.000000	.000000	.000000	9.69E-06
D9	.000000	.000000	.000000	1.65E-05
E2	.000000	.000000	.000000	-3.26E-05
E3	.000000	.000000	.000000	-1.29E-05
E4	.000000	.000000	.000000	-7.49E-06
E5	.000000	.000000	.000000	-2.52E-06
E6	.000000	.000000	.000000	2.52E-06
E7	.000000	.000000	.000000	7.49E-06
E8	.000000	.000000	.000000	1.29E-05
E9	.000000	.000000	.000000	3.26E-05
F2	.000000	.000000	.000000	-6.62E-05
F3	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	6.62E-05
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	-1.134216	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	1.134216	.000000	.000000	.000000

I1	0.000311	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	-0.156451	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	-0.000433	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	0.227740	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	0.351570	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	1.045959	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	2.60E-13	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-9.66E-05
E2B	.000000	.000000	.000000	-9.66E-05
E3A	.000000	.000000	.000000	0.000114
E3B	.000000	.000000	.000000	0.000114
E3C	.000000	.000000	.000000	0.000114
E4A	.000000	.000000	.000000	4.51E-12
E4B	.000000	.000000	.000000	4.51E-12
E6A	.000000	.000000	.000000	-4.51E-12
E6B	.000000	.000000	.000000	-4.51E-12
E7A	.000000	.000000	.000000	-0.000114

E7B	.000000	.000000	.000000	-0.000114
E7C	.000000	.000000	.000000	-0.000114
E8A	.000000	.000000	.000000	9.66E-05
E8B	.000000	.000000	.000000	9.66E-05
G2A	.000000	.000000	.000000	-6.59E-05
G2B	.000000	.000000	.000000	-6.59E-05
G2C	.000000	.000000	.000000	-6.59E-05
G3A	.000000	.000000	.000000	0.000170
G3B	.000000	.000000	.000000	0.000170
G3C	.000000	.000000	.000000	0.000170
G4A	.000000	.000000	.000000	6.45E-12
G6A	.000000	.000000	.000000	-6.45E-12
G7A	.000000	.000000	.000000	-0.000170
G7B	.000000	.000000	.000000	-0.000170
G7C	.000000	.000000	.000000	-0.000170
G8A	.000000	.000000	.000000	6.59E-05
G8B	.000000	.000000	.000000	6.59E-05
G8C	.000000	.000000	.000000	6.59E-05
I10	-0.000225	.000000	.000000	.000000
I1A	.000000	.000000	.000000	8.14E-05
I2A	.000000	.000000	.000000	-4.51E-06
I2B	.000000	.000000	.000000	-4.51E-06
I2C	.000000	.000000	.000000	-4.51E-06
I3A	.000000	.000000	.000000	0.000232
I3B	.000000	.000000	.000000	0.000232
I3C	.000000	.000000	.000000	0.000232
I4A	.000000	.000000	.000000	8.20E-12
I6A	.000000	.000000	.000000	-8.20E-12
I7A	.000000	.000000	.000000	-0.000232
I7B	.000000	.000000	.000000	-0.000232
I7C	.000000	.000000	.000000	-0.000232
I8A	.000000	.000000	.000000	4.51E-06
I8B	.000000	.000000	.000000	4.51E-06
I8C	.000000	.000000	.000000	4.51E-06
I9A	.000000	.000000	.000000	-8.14E-05
J10	0.156538	.000000	.000000	.000000
K10	0.000347	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-7.62E-05
K1B	.000000	.000000	.000000	-7.62E-05
K2A	.000000	.000000	.000000	7.58E-05
K2B	.000000	.000000	.000000	7.58E-05
K2C	.000000	.000000	.000000	7.58E-05
K3A	.000000	.000000	.000000	0.000289
K3B	.000000	.000000	.000000	0.000289
K7A	.000000	.000000	.000000	-0.000289
K7B	.000000	.000000	.000000	-0.000289
K8A	.000000	.000000	.000000	-7.58E-05
K8B	.000000	.000000	.000000	-7.58E-05
K8C	.000000	.000000	.000000	-7.58E-05
K9A	.000000	.000000	.000000	7.62E-05
K9B	.000000	.000000	.000000	7.62E-05
L10	-0.227826	.000000	.000000	.000000
M10	-0.351570	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000345
M7A	.000000	.000000	.000000	-0.000345
N10	-1.045959	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-7.30E-05
N1B	.000000	.000000	.000000	-7.30E-05
N1C	.000000	.000000	.000000	-7.30E-05
N2A	.000000	.000000	.000000	0.000182
N2B	.000000	.000000	.000000	0.000182
N2C	.000000	.000000	.000000	0.000182
N8A	.000000	.000000	.000000	-0.000182

N8B	.000000	.000000	.000000	-0.000182
N8C	.000000	.000000	.000000	-0.000182
N9A	.000000	.000000	.000000	7.30E-05
N9B	.000000	.000000	.000000	7.30E-05
N9C	.000000	.000000	.000000	7.30E-05
P10	2.60E-13	.000000	.000000	.000000
2SEC1	.000000	.000000	.000000	2.58E-05
3SEC1	.000000	.000000	.000000	7.22E-06
4SEC1	.000000	.000000	.000000	1.64E-05
5SEC1	.000000	.000000	.000000	5.48E-06
6SEC1	.000000	.000000	.000000	-5.47E-06
7SEC1	.000000	.000000	.000000	-1.64E-05
8SEC1	.000000	.000000	.000000	-7.20E-06
9SEC1	.000000	.000000	.000000	-2.58E-05

LOADDRIFTELM ----------

JOINT	FX	FY	FZ	MY
2	.000000	.000000	.000000	.000000
3	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	-1.66E-07
A4	.000000	.000000	.000000	-2.00E-07
A5	.000000	.000000	.000000	-4.39E-08
A6	.000000	.000000	.000000	4.39E-08
A7	.000000	.000000	.000000	2.00E-07
A8	.000000	.000000	.000000	1.66E-07
B3	.000000	.000000	.000000	3.65E-07
B4	.000000	.000000	.000000	4.27E-07
B5	.000000	.000000	.000000	9.72E-08
B6	.000000	.000000	.000000	-9.72E-08
B7	.000000	.000000	.000000	-4.27E-07
B8	.000000	.000000	.000000	-3.65E-07
C3	.000000	.000000	.000000	4.63E-07
C4	.000000	.000000	.000000	2.44E-07
C7	.000000	.000000	.000000	-2.44E-07
C8	.000000	.000000	.000000	-4.63E-07
D2	.000000	.000000	.000000	-4.09E-06
D3	.000000	.000000	.000000	-2.41E-06
D4	.000000	.000000	.000000	-1.53E-06
D5	.000000	.000000	.000000	-4.86E-07
D6	.000000	.000000	.000000	4.86E-07
D7	.000000	.000000	.000000	1.53E-06
D8	.000000	.000000	.000000	2.41E-06
D9	.000000	.000000	.000000	4.09E-06
E2	.000000	.000000	.000000	-8.11E-06
E3	.000000	.000000	.000000	-3.22E-06
E4	.000000	.000000	.000000	-1.86E-06
E5	.000000	.000000	.000000	-6.26E-07
E6	.000000	.000000	.000000	6.26E-07
E7	.000000	.000000	.000000	1.86E-06
E8	.000000	.000000	.000000	3.22E-06
E9	.000000	.000000	.000000	8.11E-06
F2	.000000	.000000	.000000	-1.65E-05
F3	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	1.65E-05
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000

G9	.000000	.000000	.000000	.000000
H2	-0.130895	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	0.130895	.000000	.000000	.000000
I1	0.000296	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	-0.172870	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	0.000348	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	-0.203519	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	0.000211	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	-0.153675	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	7.41E-16	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-1.52E-05
E2B	.000000	.000000	.000000	-1.52E-05
E3A	.000000	.000000	.000000	-2.84E-05
E3B	.000000	.000000	.000000	-2.84E-05
E3C	.000000	.000000	.000000	-2.84E-05

E4A	.000000	.000000	.000000	-0.001360
E4B	.000000	.000000	.000000	0.000395
E6A	.000000	.000000	.000000	-0.000395
E6B	.000000	.000000	.000000	0.001360
E7A	.000000	.000000	.000000	2.84E-05
E7B	.000000	.000000	.000000	2.84E-05
E7C	.000000	.000000	.000000	2.84E-05
E8A	.000000	.000000	.000000	1.52E-05
E8B	.000000	.000000	.000000	1.52E-05
G2A	.000000	.000000	.000000	-2.28E-05
G2B	.000000	.000000	.000000	-2.28E-05
G2C	.000000	.000000	.000000	-2.28E-05
G3A	.000000	.000000	.000000	-4.03E-05
G3B	.000000	.000000	.000000	-4.03E-05
G3C	.000000	.000000	.000000	-4.03E-05
G4A	.000000	.000000	.000000	-0.000794
G6A	.000000	.000000	.000000	0.000794
G7A	.000000	.000000	.000000	4.03E-05
G7B	.000000	.000000	.000000	4.03E-05
G7C	.000000	.000000	.000000	4.03E-05
G8A	.000000	.000000	.000000	2.28E-05
G8B	.000000	.000000	.000000	2.28E-05
G8C	.000000	.000000	.000000	2.28E-05
I10	-0.000296	.000000	.000000	.000000
I1A	.000000	.000000	.000000	2.73E-05
I2A	.000000	.000000	.000000	-3.19E-05
I2B	.000000	.000000	.000000	-3.19E-05
I2C	.000000	.000000	.000000	-3.19E-05
I3A	.000000	.000000	.000000	-0.000406
I3B	.000000	.000000	.000000	-8.42E-05
I3C	.000000	.000000	.000000	0.000519
I4A	.000000	.000000	.000000	-0.000597
I6A	.000000	.000000	.000000	0.000597
I7A	.000000	.000000	.000000	-0.000519
I7B	.000000	.000000	.000000	8.42E-05
I7C	.000000	.000000	.000000	0.000406
I8A	.000000	.000000	.000000	3.19E-05
I8B	.000000	.000000	.000000	3.19E-05
I8C	.000000	.000000	.000000	3.19E-05
I9A	.000000	.000000	.000000	-2.73E-05
J10	0.172870	.000000	.000000	.000000
K10	-0.000348	.000000	.000000	.000000
K1A	.000000	.000000	.000000	9.06E-06
K1B	.000000	.000000	.000000	9.06E-06
K2A	.000000	.000000	.000000	-4.04E-05
K2B	.000000	.000000	.000000	-4.04E-05
K2C	.000000	.000000	.000000	-4.04E-05
K3A	.000000	.000000	.000000	-0.002352
K3B	.000000	.000000	.000000	0.000979
K7A	.000000	.000000	.000000	-0.000979
K7B	.000000	.000000	.000000	0.002352
K8A	.000000	.000000	.000000	4.04E-05
K8B	.000000	.000000	.000000	4.04E-05
K8C	.000000	.000000	.000000	4.04E-05
K9A	.000000	.000000	.000000	-9.06E-06
K9B	.000000	.000000	.000000	-9.06E-06
L10	0.203519	.000000	.000000	.000000
M10	-0.000211	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.000764
M7A	.000000	.000000	.000000	0.000764
N10	0.153675	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-8.66E-07
N1B	.000000	.000000	.000000	-8.66E-07

N1C	.000000	.000000	.000000	-8.66E-07
N2A	.000000	.000000	.000000	-4.47E-05
N2B	.000000	.000000	.000000	-4.47E-05
N2C	.000000	.000000	.000000	-4.47E-05
N8A	.000000	.000000	.000000	4.47E-05
N8B	.000000	.000000	.000000	4.47E-05
N8C	.000000	.000000	.000000	4.47E-05
N9A	.000000	.000000	.000000	8.66E-07
N9B	.000000	.000000	.000000	8.66E-07
N9C	.000000	.000000	.000000	8.66E-07
P10	7.44E-16	.000000	.000000	.000000
2SEC1	.000000	.000000	.000000	4.25E-05
3SEC1	.000000	.000000	.000000	4.25E-05
4SEC1	.000000	.000000	.000000	-3.80E-09
5SEC1	.000000	.000000	.000000	-1.27E-09
6SEC1	.000000	.000000	.000000	1.27E-09
7SEC1	.000000	.000000	.000000	3.80E-09
8SEC1	.000000	.000000	.000000	-4.25E-05
9SEC1	.000000	.000000	.000000	-4.25E-05

LOADFANMOTOR ----------

JOINT	FX	FY	FZ	MY
2	.000000	.000000	.000000	.000000
3	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	3.74E-06
A4	.000000	.000000	.000000	3.51E-06
A5	.000000	.000000	.000000	4.58E-06
A6	.000000	.000000	.000000	5.19E-06
A7	.000000	.000000	.000000	6.26E-06
A8	.000000	.000000	.000000	6.03E-06
B3	.000000	.000000	.000000	7.40E-06
B4	.000000	.000000	.000000	7.83E-06
B5	.000000	.000000	.000000	5.55E-06
B6	.000000	.000000	.000000	4.21E-06
B7	.000000	.000000	.000000	1.94E-06
B8	.000000	.000000	.000000	2.37E-06
C3	.000000	.000000	.000000	8.08E-06
C4	.000000	.000000	.000000	6.57E-06
C7	.000000	.000000	.000000	3.20E-06
C8	.000000	.000000	.000000	1.69E-06
D2	.000000	.000000	.000000	2.21E-05
D3	.000000	.000000	.000000	-1.17E-05
D4	.000000	.000000	.000000	-5.71E-06
D5	.000000	.000000	.000000	1.53E-06
D6	.000000	.000000	.000000	8.24E-06
D7	.000000	.000000	.000000	1.55E-05
D8	.000000	.000000	.000000	2.15E-05
D9	.000000	.000000	.000000	7.86E-05
E2	.000000	.000000	.000000	-5.67E-06
E3	.000000	.000000	.000000	-1.73E-05
E4	.000000	.000000	.000000	-7.97E-06
E5	.000000	.000000	.000000	5.66E-07
E6	.000000	.000000	.000000	9.20E-06
E7	.000000	.000000	.000000	1.77E-05
E8	.000000	.000000	.000000	2.71E-05
E9	.000000	.000000	.000000	0.000106
F2	.000000	.000000	.000000	-6.33E-05
F3	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	0.000164
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000

G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	-0.898707	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	0.898709	.000000	.000000	.000000
I1	-0.256886	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	-0.886122	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	-0.291483	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	-1.078065	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	-0.187466	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	-0.831602	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	1.47E-14	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000

E2A	.000000	.000000	.000000	-5.47E-05
E2B	.000000	.000000	.000000	-5.47E-05
E3A	.000000	.000000	.000000	5.47E-05
E3B	.000000	.000000	.000000	5.47E-05
E3C	.000000	.000000	.000000	5.47E-05
E4A	.000000	.000000	.000000	-0.000246
E4B	.000000	.000000	.000000	-0.000246
E6A	.000000	.000000	.000000	0.000246
E6B	.000000	.000000	.000000	0.000246
E7A	.000000	.000000	.000000	-0.000165
E7B	.000000	.000000	.000000	-0.000165
E7C	.000000	.000000	.000000	-0.000165
E8A	.000000	.000000	.000000	0.000162
E8B	.000000	.000000	.000000	0.000162
G2A	.000000	.000000	.000000	-8.21E-05
G2B	.000000	.000000	.000000	-8.21E-05
G2C	.000000	.000000	.000000	-8.21E-05
G3A	.000000	.000000	.000000	8.24E-05
G3B	.000000	.000000	.000000	8.24E-05
G3C	.000000	.000000	.000000	8.24E-05
G4A	.000000	.000000	.000000	-0.000368
G6A	.000000	.000000	.000000	0.000368
G7A	.000000	.000000	.000000	-0.000248
G7B	.000000	.000000	.000000	-0.000248
G7C	.000000	.000000	.000000	-0.000248
G8A	.000000	.000000	.000000	0.000228
G8B	.000000	.000000	.000000	0.000228
G8C	.000000	.000000	.000000	0.000228
I10	-0.260804	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.000133
I2A	.000000	.000000	.000000	-0.000115
I2B	.000000	.000000	.000000	-0.000115
I2C	.000000	.000000	.000000	-0.000115
I3A	.000000	.000000	.000000	0.000115
I3B	.000000	.000000	.000000	0.000115
I3C	.000000	.000000	.000000	0.000115
I4A	.000000	.000000	.000000	-0.000514
I6A	.000000	.000000	.000000	0.000514
I7A	.000000	.000000	.000000	-0.000346
I7B	.000000	.000000	.000000	-0.000346
I7C	.000000	.000000	.000000	-0.000346
I8A	.000000	.000000	.000000	0.000298
I8B	.000000	.000000	.000000	0.000298
I8C	.000000	.000000	.000000	0.000298
I9A	.000000	.000000	.000000	-0.000137
J10	1.403812	.000000	.000000	.000000
K10	-0.296177	.000000	.000000	.000000
K1A	.000000	.000000	.000000	4.19E-05
K1B	.000000	.000000	.000000	4.19E-05
K2A	.000000	.000000	.000000	-0.000148
K2B	.000000	.000000	.000000	-0.000148
K2C	.000000	.000000	.000000	-0.000148
K3A	.000000	.000000	.000000	0.000148
K3B	.000000	.000000	.000000	0.000148
K7A	.000000	.000000	.000000	-0.000445
K7B	.000000	.000000	.000000	-0.000445
K8A	.000000	.000000	.000000	0.000360
K8B	.000000	.000000	.000000	0.000360
K8C	.000000	.000000	.000000	0.000360
K9A	.000000	.000000	.000000	2.17E-05
K9B	.000000	.000000	.000000	2.17E-05
L10	1.665717	.000000	.000000	.000000
M10	-0.240088	.000000	.000000	.000000

M3A	.000000	.000000	.000000	0.000181
M7A	.000000	.000000	.000000	-0.000543
N10	1.259162	.000000	.000000	.000000
N1A	.000000	.000000	.000000	2.52E-06
N1B	.000000	.000000	.000000	2.52E-06
N1C	.000000	.000000	.000000	2.52E-06
N2A	.000000	.000000	.000000	-0.000193
N2B	.000000	.000000	.000000	-0.000193
N2C	.000000	.000000	.000000	-0.000193
N8A	.000000	.000000	.000000	0.000445
N8B	.000000	.000000	.000000	0.000445
N8C	.000000	.000000	.000000	0.000445
N9A	.000000	.000000	.000000	0.000117
N9B	.000000	.000000	.000000	0.000117
N9C	.000000	.000000	.000000	0.000117
P10	1.47E-14	.000000	.000000	.000000
2SEC1	.000000	.000000	.000000	0.000186
3SEC1	.000000	.000000	.000000	0.000184
4SEC1	.000000	.000000	.000000	9.88E-06
5SEC1	.000000	.000000	.000000	9.90E-06
6SEC1	.000000	.000000	.000000	9.92E-06
7SEC1	.000000	.000000	.000000	9.93E-06
8SEC1	.000000	.000000	.000000	-0.000389
9SEC1	.000000	.000000	.000000	-0.000397

LOADCABLETRY ----------

JOINT	FX	FY	FZ	MY
2	.000000	.000000	.000000	.000000
3	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	-3.58E-07
A4	.000000	.000000	.000000	-3.55E-07
A5	.000000	.000000	.000000	-3.70E-07
A6	.000000	.000000	.000000	-3.78E-07
A7	.000000	.000000	.000000	-3.93E-07
A8	.000000	.000000	.000000	-3.90E-07
B3	.000000	.000000	.000000	-4.09E-07
B4	.000000	.000000	.000000	-4.15E-07
B5	.000000	.000000	.000000	-3.83E-07
B6	.000000	.000000	.000000	-3.65E-07
B7	.000000	.000000	.000000	-3.33E-07
B8	.000000	.000000	.000000	-3.39E-07
C3	.000000	.000000	.000000	-4.18E-07
C4	.000000	.000000	.000000	-3.97E-07
C7	.000000	.000000	.000000	-3.51E-07
C8	.000000	.000000	.000000	-3.30E-07
D2	.000000	.000000	.000000	-3.46E-06
D3	.000000	.000000	.000000	-1.44E-07
D4	.000000	.000000	.000000	-2.28E-07
D5	.000000	.000000	.000000	-3.28E-07
D6	.000000	.000000	.000000	-4.20E-07
D7	.000000	.000000	.000000	-5.20E-07
D8	.000000	.000000	.000000	-6.04E-07
D9	.000000	.000000	.000000	-4.24E-06
E2	.000000	.000000	.000000	-3.08E-06
E3	.000000	.000000	.000000	-6.73E-08
E4	.000000	.000000	.000000	-1.97E-07
E5	.000000	.000000	.000000	-3.14E-07
E6	.000000	.000000	.000000	-4.34E-07
E7	.000000	.000000	.000000	-5.52E-07
E8	.000000	.000000	.000000	-6.81E-07
E9	.000000	.000000	.000000	-4.63E-06
F2	.000000	.000000	.000000	-2.29E-06

F3	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	-5.42E-06
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	23.404961	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	23.516271	.000000	.000000	.000000
I1	0.035895	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	0.014862	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	0.052547	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	0.031464	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	0.053754	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	0.038661	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	-23.425569	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000

P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-2.18E-06
E2B	.000000	.000000	.000000	-2.18E-06
E3A	.000000	.000000	.000000	2.07E-06
E3B	.000000	.000000	.000000	2.07E-06
E3C	.000000	.000000	.000000	2.07E-06
E4A	.000000	.000000	.000000	6.88E-14
E4B	.000000	.000000	.000000	6.88E-14
E6A	.000000	.000000	.000000	-6.97E-14
E6B	.000000	.000000	.000000	-6.97E-14
E7A	.000000	.000000	.000000	-2.09E-06
E7B	.000000	.000000	.000000	-2.09E-06
E7C	.000000	.000000	.000000	-2.09E-06
E8A	.000000	.000000	.000000	-3.10E-07
E8B	.000000	.000000	.000000	-3.10E-07
G2A	.000000	.000000	.000000	-3.76E-06
G2B	.000000	.000000	.000000	-3.76E-06
G2C	.000000	.000000	.000000	-3.76E-06
G3A	.000000	.000000	.000000	3.09E-06
G3B	.000000	.000000	.000000	3.09E-06
G3C	.000000	.000000	.000000	3.09E-06
G4A	.000000	.000000	.000000	9.74E-14
G6A	.000000	.000000	.000000	-9.87E-14
G7A	.000000	.000000	.000000	-3.12E-06
G7B	.000000	.000000	.000000	-3.12E-06
G7C	.000000	.000000	.000000	-3.12E-06
G8A	.000000	.000000	.000000	-1.16E-05
G8B	.000000	.000000	.000000	-1.16E-05
G8C	.000000	.000000	.000000	-1.16E-05
I10	0.036069	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.004869
I2A	.000000	.000000	.000000	-4.38E-06
I2B	.000000	.000000	.000000	-4.38E-06
I2C	.000000	.000000	.000000	-4.38E-06
I3A	.000000	.000000	.000000	3.70E-06
I3B	.000000	.000000	.000000	3.70E-06
I3C	.000000	.000000	.000000	3.70E-06
I4A	.000000	.000000	.000000	1.21E-13
I6A	.000000	.000000	.000000	-1.23E-13
I7A	.000000	.000000	.000000	-3.75E-06
I7B	.000000	.000000	.000000	-3.75E-06
I7C	.000000	.000000	.000000	-3.75E-06
I8A	.000000	.000000	.000000	-2.56E-05
I8B	.000000	.000000	.000000	-2.56E-05
I8C	.000000	.000000	.000000	-2.56E-05
I9A	.000000	.000000	.000000	-0.004903
J10	-0.086622	.000000	.000000	.000000
K10	0.052835	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.001622
K1B	.000000	.000000	.000000	-0.001622
K2A	.000000	.000000	.000000	-4.38E-06
K2B	.000000	.000000	.000000	-4.38E-06
K2C	.000000	.000000	.000000	-4.38E-06
K3A	.000000	.000000	.000000	3.71E-06
K3B	.000000	.000000	.000000	3.71E-06
K7A	.000000	.000000	.000000	-3.76E-06
K7B	.000000	.000000	.000000	-3.76E-06
K8A	.000000	.000000	.000000	-3.96E-05
K8B	.000000	.000000	.000000	-3.96E-05

K8C	.000000	.000000	.000000	-3.96E-05
K9A	.000000	.000000	.000000	-0.001641
K9B	.000000	.000000	.000000	-0.001641
L10	-0.136799	.000000	.000000	.000000
M10	0.049853	.000000	.000000	.000000
M3A	.000000	.000000	.000000	3.71E-06
M7A	.000000	.000000	.000000	-3.77E-06
N10	-0.142311	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.000851
N1B	.000000	.000000	.000000	-0.000851
N1C	.000000	.000000	.000000	-0.000851
N2A	.000000	.000000	.000000	-4.39E-06
N2B	.000000	.000000	.000000	-4.39E-06
N2C	.000000	.000000	.000000	-4.39E-06
N8A	.000000	.000000	.000000	-5.86E-05
N8B	.000000	.000000	.000000	-5.86E-05
N8C	.000000	.000000	.000000	-5.86E-05
N9A	.000000	.000000	.000000	-0.000874
N9B	.000000	.000000	.000000	-0.000874
N9C	.000000	.000000	.000000	-0.000874
P10	-23.495871	.000000	.000000	.000000
2SEC1	.000000	.000000	.000000	4.65E-06
3SEC1	.000000	.000000	.000000	4.65E-06
4SEC1	.000000	.000000	.000000	1.25E-07
5SEC1	.000000	.000000	.000000	1.26E-07
6SEC1	.000000	.000000	.000000	1.26E-07
7SEC1	.000000	.000000	.000000	1.27E-07
8SEC1	.000000	.000000	.000000	3.98E-05
9SEC1	.000000	.000000	.000000	3.89E-05

LOADLOUVERWL ----------

JOINT	FX	FY	FZ	MY
2	.000000	.000000	.000000	.000000
3	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	1.82E-07
A4	.000000	.000000	.000000	2.19E-07
A5	.000000	.000000	.000000	4.82E-08
A6	.000000	.000000	.000000	-4.82E-08
A7	.000000	.000000	.000000	-2.19E-07
A8	.000000	.000000	.000000	-1.82E-07
B3	.000000	.000000	.000000	-4.00E-07
B4	.000000	.000000	.000000	-4.69E-07
B5	.000000	.000000	.000000	-1.07E-07
B6	.000000	.000000	.000000	1.07E-07
B7	.000000	.000000	.000000	4.69E-07
B8	.000000	.000000	.000000	4.00E-07
C3	.000000	.000000	.000000	-5.09E-07
C4	.000000	.000000	.000000	-2.68E-07
C7	.000000	.000000	.000000	2.68E-07
C8	.000000	.000000	.000000	5.09E-07
D2	.000000	.000000	.000000	4.50E-06
D3	.000000	.000000	.000000	2.65E-06
D4	.000000	.000000	.000000	1.69E-06
D5	.000000	.000000	.000000	5.34E-07
D6	.000000	.000000	.000000	-5.34E-07
D7	.000000	.000000	.000000	-1.69E-06
D8	.000000	.000000	.000000	-2.65E-06
D9	.000000	.000000	.000000	-4.50E-06
E2	.000000	.000000	.000000	8.91E-06
E3	.000000	.000000	.000000	3.54E-06
E4	.000000	.000000	.000000	2.05E-06
E5	.000000	.000000	.000000	6.87E-07

E6	.000000	.000000	.000000	-6.87E-07
E7	.000000	.000000	.000000	-2.05E-06
E8	.000000	.000000	.000000	-3.54E-06
E9	.000000	.000000	.000000	-8.91E-06
F2	.000000	.000000	.000000	1.81E-05
F3	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	-1.81E-05
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	-0.682460	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	0.682460	.000000	.000000	.000000
I1	0.136278	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	0.528657	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	0.142745	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	0.571873	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	0.134805	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	0.420855	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000

O7	.000000	.000000	.000000	.000000
P1	0.054695	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-3.95E-06
E2B	.000000	.000000	.000000	-3.95E-06
E3A	.000000	.000000	.000000	1.44E-05
E3B	.000000	.000000	.000000	1.44E-05
E3C	.000000	.000000	.000000	1.44E-05
E4A	.000000	.000000	.000000	4.14E-13
E4B	.000000	.000000	.000000	4.14E-13
E6A	.000000	.000000	.000000	-4.14E-13
E6B	.000000	.000000	.000000	-4.14E-13
E7A	.000000	.000000	.000000	-1.44E-05
E7B	.000000	.000000	.000000	-1.44E-05
E7C	.000000	.000000	.000000	-1.44E-05
E8A	.000000	.000000	.000000	3.95E-06
E8B	.000000	.000000	.000000	3.95E-06
G2A	.000000	.000000	.000000	3.73E-05
G2B	.000000	.000000	.000000	3.73E-05
G2C	.000000	.000000	.000000	3.73E-05
G3A	.000000	.000000	.000000	2.15E-05
G3B	.000000	.000000	.000000	2.15E-05
G3C	.000000	.000000	.000000	2.15E-05
G4A	.000000	.000000	.000000	5.81E-13
G6A	.000000	.000000	.000000	-5.81E-13
G7A	.000000	.000000	.000000	-2.15E-05
G7B	.000000	.000000	.000000	-2.15E-05
G7C	.000000	.000000	.000000	-2.15E-05
G8A	.000000	.000000	.000000	-3.73E-05
G8B	.000000	.000000	.000000	-3.73E-05
G8C	.000000	.000000	.000000	-3.73E-05
I10	-0.136199	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.000459
I2A	.000000	.000000	.000000	6.74E-05
I2B	.000000	.000000	.000000	6.74E-05
I2C	.000000	.000000	.000000	6.74E-05
I3A	.000000	.000000	.000000	2.28E-05
I3B	.000000	.000000	.000000	2.28E-05
I3C	.000000	.000000	.000000	2.28E-05
I4A	.000000	.000000	.000000	7.09E-13
I6A	.000000	.000000	.000000	-7.09E-13
I7A	.000000	.000000	.000000	-2.28E-05
I7B	.000000	.000000	.000000	-2.28E-05
I7C	.000000	.000000	.000000	-2.28E-05
I8A	.000000	.000000	.000000	-6.74E-05
I8B	.000000	.000000	.000000	-6.74E-05
I8C	.000000	.000000	.000000	-6.74E-05
I9A	.000000	.000000	.000000	-0.000459
J10	-0.528577	.000000	.000000	.000000
K10	-0.142824	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.000306
K1B	.000000	.000000	.000000	0.000306
K2A	.000000	.000000	.000000	7.61E-05
K2B	.000000	.000000	.000000	7.61E-05
K2C	.000000	.000000	.000000	7.61E-05
K3A	.000000	.000000	.000000	1.79E-05

K3B	.000000	.000000	.000000	1.79E-05
K7A	.000000	.000000	.000000	-1.79E-05
K7B	.000000	.000000	.000000	-1.79E-05
K8A	.000000	.000000	.000000	-7.61E-05
K8B	.000000	.000000	.000000	-7.61E-05
K8C	.000000	.000000	.000000	-7.61E-05
K9A	.000000	.000000	.000000	-0.000306
K9B	.000000	.000000	.000000	-0.000306
L10	-0.571952	.000000	.000000	.000000
M10	-0.134821	.000000	.000000	.000000
M3A	.000000	.000000	.000000	1.51E-05
M7A	.000000	.000000	.000000	-1.51E-05
N10	-0.420871	.000000	.000000	.000000
N1A	.000000	.000000	.000000	0.000234
N1B	.000000	.000000	.000000	0.000234
N1C	.000000	.000000	.000000	0.000234
N2A	.000000	.000000	.000000	8.14E-05
N2B	.000000	.000000	.000000	8.14E-05
N2C	.000000	.000000	.000000	8.14E-05
N8A	.000000	.000000	.000000	-8.14E-05
N8B	.000000	.000000	.000000	-8.14E-05
N8C	.000000	.000000	.000000	-8.14E-05
N9A	.000000	.000000	.000000	-0.000234
N9B	.000000	.000000	.000000	-0.000234
N9C	.000000	.000000	.000000	-0.000234
P10	-0.054664	.000000	.000000	.000000
2SEC1	.000000	.000000	.000000	-9.12E-05
3SEC1	.000000	.000000	.000000	-9.14E-05
4SEC1	.000000	.000000	.000000	3.95E-07
5SEC1	.000000	.000000	.000000	1.34E-07
6SEC1	.000000	.000000	.000000	-1.27E-07
7SEC1	.000000	.000000	.000000	-3.88E-07
8SEC1	.000000	.000000	.000000	9.14E-05
9SEC1	.000000	.000000	.000000	9.13E-05

LOAD SECDIST ----------

JOINT	FX	FY	FZ	MY
2	.000000	.000000	.000000	.000000
3	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	-3.46E-07
A4	.000000	.000000	.000000	-4.16E-07
A5	.000000	.000000	.000000	-9.16E-08
A6	.000000	.000000	.000000	9.16E-08
A7	.000000	.000000	.000000	4.16E-07
A8	.000000	.000000	.000000	3.46E-07
B3	.000000	.000000	.000000	7.60E-07
B4	.000000	.000000	.000000	8.90E-07
B5	.000000	.000000	.000000	2.03E-07
B6	.000000	.000000	.000000	-2.03E-07
B7	.000000	.000000	.000000	-8.90E-07
B8	.000000	.000000	.000000	-7.60E-07
C3	.000000	.000000	.000000	9.66E-07
C4	.000000	.000000	.000000	5.09E-07
C7	.000000	.000000	.000000	-5.09E-07
C8	.000000	.000000	.000000	-9.66E-07
D2	.000000	.000000	.000000	-8.54E-06
D3	.000000	.000000	.000000	-5.03E-06
D4	.000000	.000000	.000000	-3.20E-06
D5	.000000	.000000	.000000	-1.01E-06
D6	.000000	.000000	.000000	1.01E-06
D7	.000000	.000000	.000000	3.20E-06
D8	.000000	.000000	.000000	5.03E-06

D9	.000000	.000000	.000000	8.54E-06
E2	.000000	.000000	.000000	-1.69E-05
E3	.000000	.000000	.000000	-6.71E-06
E4	.000000	.000000	.000000	-3.88E-06
E5	.000000	.000000	.000000	-1.30E-06
E6	.000000	.000000	.000000	1.30E-06
E7	.000000	.000000	.000000	3.88E-06
E8	.000000	.000000	.000000	6.71E-06
E9	.000000	.000000	.000000	1.69E-05
F2	.000000	.000000	.000000	-3.43E-05
F3	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	3.43E-05
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	-0.573281	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	0.573281	.000000	.000000	.000000
I1	0.000315	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	-0.171708	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	0.000119	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	-0.082116	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	0.210684	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	0.191086	.000000	.000000	.000000

N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	1.02E-13	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-4.47E-05
E2B	.000000	.000000	.000000	-4.47E-05
E3A	.000000	.000000	.000000	8.85E-06
E3B	.000000	.000000	.000000	8.85E-06
E3C	.000000	.000000	.000000	8.85E-06
E4A	.000000	.000000	.000000	-3.34E-05
E4B	.000000	.000000	.000000	-3.34E-05
E6A	.000000	.000000	.000000	0.000100
E6B	.000000	.000000	.000000	0.000100
E7A	.000000	.000000	.000000	-8.85E-06
E7B	.000000	.000000	.000000	-8.85E-06
E7C	.000000	.000000	.000000	-8.85E-06
E8A	.000000	.000000	.000000	4.47E-05
E8B	.000000	.000000	.000000	4.47E-05
G2A	.000000	.000000	.000000	-3.82E-05
G2B	.000000	.000000	.000000	-3.82E-05
G2C	.000000	.000000	.000000	-3.82E-05
G3A	.000000	.000000	.000000	1.34E-05
G3B	.000000	.000000	.000000	1.34E-05
G3C	.000000	.000000	.000000	1.34E-05
G4A	.000000	.000000	.000000	-5.00E-05
G6A	.000000	.000000	.000000	0.000150
G7A	.000000	.000000	.000000	-1.34E-05
G7B	.000000	.000000	.000000	-1.34E-05
G7C	.000000	.000000	.000000	-1.34E-05
G8A	.000000	.000000	.000000	3.82E-05
G8B	.000000	.000000	.000000	3.82E-05
G8C	.000000	.000000	.000000	3.82E-05
I10	-0.000273	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.000109
I2A	.000000	.000000	.000000	-2.35E-05
I2B	.000000	.000000	.000000	-2.35E-05
I2C	.000000	.000000	.000000	-2.35E-05
I3A	.000000	.000000	.000000	1.61E-05
I3B	.000000	.000000	.000000	1.61E-05
I3C	.000000	.000000	.000000	1.61E-05
I4A	.000000	.000000	.000000	-6.97E-05
I6A	.000000	.000000	.000000	0.000209
I7A	.000000	.000000	.000000	-1.61E-05
I7B	.000000	.000000	.000000	-1.61E-05
I7C	.000000	.000000	.000000	-1.61E-05
I8A	.000000	.000000	.000000	2.35E-05
I8B	.000000	.000000	.000000	2.35E-05
I8C	.000000	.000000	.000000	2.35E-05
I9A	.000000	.000000	.000000	-0.000109
J10	0.171750	.000000	.000000	.000000
K10	-0.000161	.000000	.000000	.000000
K1A	.000000	.000000	.000000	2.98E-05

K1B	.000000	.000000	.000000	2.98E-05
K2A	.000000	.000000	.000000	-4.72E-06
K2B	.000000	.000000	.000000	-4.72E-06
K2C	.000000	.000000	.000000	-4.72E-06
K3A	.000000	.000000	.000000	1.61E-05
K3B	.000000	.000000	.000000	1.61E-05
K7A	.000000	.000000	.000000	-1.61E-05
K7B	.000000	.000000	.000000	-1.61E-05
K8A	.000000	.000000	.000000	4.72E-06
K8B	.000000	.000000	.000000	4.72E-06
K8C	.000000	.000000	.000000	4.72E-06
K9A	.000000	.000000	.000000	-2.98E-05
K9B	.000000	.000000	.000000	-2.98E-05
L10	0.082074	.000000	.000000	.000000
M10	-0.210684	.000000	.000000	.000000
M3A	.000000	.000000	.000000	1.61E-05
M7A	.000000	.000000	.000000	-1.61E-05
N10	-0.191086	.000000	.000000	.000000
N1A	.000000	.000000	.000000	1.88E-05
N1B	.000000	.000000	.000000	1.88E-05
N1C	.000000	.000000	.000000	1.88E-05
N2A	.000000	.000000	.000000	1.40E-05
N2B	.000000	.000000	.000000	1.40E-05
N2C	.000000	.000000	.000000	1.40E-05
N8A	.000000	.000000	.000000	-1.40E-05
N8B	.000000	.000000	.000000	-1.40E-05
N8C	.000000	.000000	.000000	-1.40E-05
N9A	.000000	.000000	.000000	-1.88E-05
N9B	.000000	.000000	.000000	-1.88E-05
N9C	.000000	.000000	.000000	-1.88E-05
P10	1.02E-13	.000000	.000000	.000000
2SEC1	.000000	.000000	.000000	5.18E-05
3SEC1	.000000	.000000	.000000	4.37E-05
4SEC1	.000000	.000000	.000000	7.96E-06
5SEC1	.000000	.000000	.000000	2.66E-06
6SEC1	.000000	.000000	.000000	-2.65E-06
7SEC1	.000000	.000000	.000000	-7.96E-06
8SEC1	.000000	.000000	.000000	-4.37E-05
9SEC1	.000000	.000000	.000000	-5.17E-05

COMBDEADLOAD ---------- MAX

JOINT	FX	FY	FZ	MY
2	.000000	.000000	.000000	.000000
3	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	1.42E-05
A4	.000000	.000000	.000000	1.60E-05
A5	.000000	.000000	.000000	7.62E-06
A6	.000000	.000000	.000000	8.24E-06
A7	.000000	.000000	.000000	1.88E-05
A8	.000000	.000000	.000000	1.65E-05
B3	.000000	.000000	.000000	3.00E-05
B4	.000000	.000000	.000000	3.42E-05
B5	.000000	.000000	.000000	1.18E-05
B6	.000000	.000000	.000000	1.05E-05
B7	.000000	.000000	.000000	2.82E-05
B8	.000000	.000000	.000000	2.49E-05
C3	.000000	.000000	.000000	3.67E-05
C4	.000000	.000000	.000000	2.18E-05
C7	.000000	.000000	.000000	1.84E-05
C8	.000000	.000000	.000000	3.02E-05
D2	.000000	.000000	.000000	0.000275
D3	.000000	.000000	.000000	0.000158

D4	.000000	.000000	.000000	9.93E-05
D5	.000000	.000000	.000000	3.14E-05
D6	.000000	.000000	.000000	3.82E-05
D7	.000000	.000000	.000000	0.000109
D8	.000000	.000000	.000000	0.000169
D9	.000000	.000000	.000000	0.000332
E2	.000000	.000000	.000000	0.000502
E3	.000000	.000000	.000000	0.000213
E4	.000000	.000000	.000000	0.000121
E5	.000000	.000000	.000000	3.89E-05
E6	.000000	.000000	.000000	4.77E-05
E7	.000000	.000000	.000000	0.000132
E8	.000000	.000000	.000000	0.000224
E9	.000000	.000000	.000000	0.000604
F2	.000000	.000000	.000000	0.001067
F3	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	0.001171
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	34.485869	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	34.597150	.000000	.000000	.000000
I1	0.497988	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	8.332241	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	0.628029	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	8.031672	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	1.299871	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000

M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	5.771688	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	23.830452	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	0.001371
E2B	.000000	.000000	.000000	0.003005
E3A	.000000	.000000	.000000	0.004247
E3B	.000000	.000000	.000000	0.001122
E3C	.000000	.000000	.000000	0.004646
E4A	.000000	.000000	.000000	0.002556
E4B	.000000	.000000	.000000	0.001148
E6A	.000000	.000000	.000000	0.001215
E6B	.000000	.000000	.000000	0.002623
E7A	.000000	.000000	.000000	0.004757
E7B	.000000	.000000	.000000	0.001233
E7C	.000000	.000000	.000000	0.004357
E8A	.000000	.000000	.000000	0.003111
E8B	.000000	.000000	.000000	0.001476
G2A	.000000	.000000	.000000	0.008247
G2B	.000000	.000000	.000000	0.001586
G2C	.000000	.000000	.000000	0.008902
G3A	.000000	.000000	.000000	0.007432
G3B	.000000	.000000	.000000	0.002726
G3C	.000000	.000000	.000000	0.009175
G4A	.000000	.000000	.000000	0.001410
G6A	.000000	.000000	.000000	0.001510
G7A	.000000	.000000	.000000	0.009340
G7B	.000000	.000000	.000000	0.002892
G7C	.000000	.000000	.000000	0.007598
G8A	.000000	.000000	.000000	0.009056
G8B	.000000	.000000	.000000	0.001739
G8C	.000000	.000000	.000000	0.008401
I10	0.501726	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.006335
I2A	.000000	.000000	.000000	0.009314
I2B	.000000	.000000	.000000	0.002220
I2C	.000000	.000000	.000000	0.010189
I3A	.000000	.000000	.000000	0.007173
I3B	.000000	.000000	.000000	0.003594
I3C	.000000	.000000	.000000	0.008870
I4A	.000000	.000000	.000000	0.001483
I6A	.000000	.000000	.000000	0.001623
I7A	.000000	.000000	.000000	0.009101
I7B	.000000	.000000	.000000	0.003825
I7C	.000000	.000000	.000000	0.007405
I8A	.000000	.000000	.000000	0.010393
I8B	.000000	.000000	.000000	0.002425

I8C	.000000	.000000	.000000	0.009518
I9A	.000000	.000000	.000000	0.006373
J10	8.921888	.000000	.000000	.000000
K10	0.633186	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.004155
K1B	.000000	.000000	.000000	0.003883
K2A	.000000	.000000	.000000	0.010398
K2B	.000000	.000000	.000000	0.001973
K2C	.000000	.000000	.000000	0.010938
K3A	.000000	.000000	.000000	0.006689
K3B	.000000	.000000	.000000	0.005143
K7A	.000000	.000000	.000000	0.005440
K7B	.000000	.000000	.000000	0.006986
K8A	.000000	.000000	.000000	0.011186
K8B	.000000	.000000	.000000	0.002221
K8C	.000000	.000000	.000000	0.010645
K9A	.000000	.000000	.000000	0.003882
K9B	.000000	.000000	.000000	0.004154
L10	8.724642	.000000	.000000	.000000
M10	1.348701	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.003970
M7A	.000000	.000000	.000000	0.004332
N10	6.303018	.000000	.000000	.000000
N1A	.000000	.000000	.000000	0.003751
N1B	.000000	.000000	.000000	0.002515
N1C	.000000	.000000	.000000	0.003248
N2A	.000000	.000000	.000000	0.002972
N2B	.000000	.000000	.000000	0.001835
N2C	.000000	.000000	.000000	0.001942
N8A	.000000	.000000	.000000	0.002248
N8B	.000000	.000000	.000000	0.002142
N8C	.000000	.000000	.000000	0.003278
N9A	.000000	.000000	.000000	0.003384
N9B	.000000	.000000	.000000	0.002652
N9C	.000000	.000000	.000000	0.003888
P10	23.900520	.000000	.000000	.000000
2SEC1	.000000	.000000	.000000	0.001693
3SEC1	.000000	.000000	.000000	0.001609
4SEC1	.000000	.000000	.000000	3.53E-05
5SEC1	.000000	.000000	.000000	1.85E-05
6SEC1	.000000	.000000	.000000	1.85E-05
7SEC1	.000000	.000000	.000000	3.53E-05
8SEC1	.000000	.000000	.000000	0.001849
9SEC1	.000000	.000000	.000000	0.001939

COMBDEADLOAD ---------- MIN

JOINT	FX	FY	FZ	MY
2	.000000	.000000	.000000	.000000
3	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	-1.42E-05
A4	.000000	.000000	.000000	-1.60E-05
A5	.000000	.000000	.000000	-7.62E-06
A6	.000000	.000000	.000000	-8.24E-06
A7	.000000	.000000	.000000	-1.88E-05
A8	.000000	.000000	.000000	-1.65E-05
B3	.000000	.000000	.000000	-3.00E-05
B4	.000000	.000000	.000000	-3.42E-05
B5	.000000	.000000	.000000	-1.18E-05
B6	.000000	.000000	.000000	-1.05E-05
B7	.000000	.000000	.000000	-2.82E-05
B8	.000000	.000000	.000000	-2.49E-05
C3	.000000	.000000	.000000	-3.67E-05

C4	.000000	.000000	.000000	-2.18E-05
C7	.000000	.000000	.000000	-1.84E-05
C8	.000000	.000000	.000000	-3.02E-05
D2	.000000	.000000	.000000	-0.000275
D3	.000000	.000000	.000000	-0.000158
D4	.000000	.000000	.000000	-9.93E-05
D5	.000000	.000000	.000000	-3.14E-05
D6	.000000	.000000	.000000	-3.82E-05
D7	.000000	.000000	.000000	-0.000109
D8	.000000	.000000	.000000	-0.000169
D9	.000000	.000000	.000000	-0.000332
E2	.000000	.000000	.000000	-0.000502
E3	.000000	.000000	.000000	-0.000213
E4	.000000	.000000	.000000	-0.000121
E5	.000000	.000000	.000000	-3.89E-05
E6	.000000	.000000	.000000	-4.77E-05
E7	.000000	.000000	.000000	-0.000132
E8	.000000	.000000	.000000	-0.000224
E9	.000000	.000000	.000000	-0.000604
F2	.000000	.000000	.000000	-0.001067
F3	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	-0.001171
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	-34.485869	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	-34.597150	.000000	.000000	.000000
I1	-0.497988	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	-8.332241	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	-0.628029	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	-8.031672	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000

M1	-1.299871	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	-5.771688	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	-23.830452	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-0.001371
E2B	.000000	.000000	.000000	-0.003005
E3A	.000000	.000000	.000000	-0.004247
E3B	.000000	.000000	.000000	-0.001122
E3C	.000000	.000000	.000000	-0.004646
E4A	.000000	.000000	.000000	-0.002556
E4B	.000000	.000000	.000000	-0.001148
E6A	.000000	.000000	.000000	-0.001215
E6B	.000000	.000000	.000000	-0.002623
E7A	.000000	.000000	.000000	-0.004757
E7B	.000000	.000000	.000000	-0.001233
E7C	.000000	.000000	.000000	-0.004357
E8A	.000000	.000000	.000000	-0.003111
E8B	.000000	.000000	.000000	-0.001476
G2A	.000000	.000000	.000000	-0.008247
G2B	.000000	.000000	.000000	-0.001586
G2C	.000000	.000000	.000000	-0.008902
G3A	.000000	.000000	.000000	-0.007432
G3B	.000000	.000000	.000000	-0.002726
G3C	.000000	.000000	.000000	-0.009175
G4A	.000000	.000000	.000000	-0.001410
G6A	.000000	.000000	.000000	-0.001510
G7A	.000000	.000000	.000000	-0.009340
G7B	.000000	.000000	.000000	-0.002892
G7C	.000000	.000000	.000000	-0.007598
G8A	.000000	.000000	.000000	-0.009056
G8B	.000000	.000000	.000000	-0.001739
G8C	.000000	.000000	.000000	-0.008401
I10	-0.501726	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.006335
I2A	.000000	.000000	.000000	-0.009314
I2B	.000000	.000000	.000000	-0.002220
I2C	.000000	.000000	.000000	-0.010189
I3A	.000000	.000000	.000000	-0.007173
I3B	.000000	.000000	.000000	-0.003594
I3C	.000000	.000000	.000000	-0.008870
I4A	.000000	.000000	.000000	-0.001483
I6A	.000000	.000000	.000000	-0.001623

I7A	.000000	.000000	.000000	-0.009101
I7B	.000000	.000000	.000000	-0.003825
I7C	.000000	.000000	.000000	-0.007405
I8A	.000000	.000000	.000000	-0.010393
I8B	.000000	.000000	.000000	-0.002425
I8C	.000000	.000000	.000000	-0.009518
I9A	.000000	.000000	.000000	-0.006373
J10	-8.921888	.000000	.000000	.000000
K10	-0.633186	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.004155
K1B	.000000	.000000	.000000	-0.003883
K2A	.000000	.000000	.000000	-0.010398
K2B	.000000	.000000	.000000	-0.001973
K2C	.000000	.000000	.000000	-0.010938
K3A	.000000	.000000	.000000	-0.006689
K3B	.000000	.000000	.000000	-0.005143
K7A	.000000	.000000	.000000	-0.005440
K7B	.000000	.000000	.000000	-0.006986
K8A	.000000	.000000	.000000	-0.011186
K8B	.000000	.000000	.000000	-0.002221
K8C	.000000	.000000	.000000	-0.010645
K9A	.000000	.000000	.000000	-0.003882
K9B	.000000	.000000	.000000	-0.004154
L10	-8.724642	.000000	.000000	.000000
M10	-1.348701	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.003970
M7A	.000000	.000000	.000000	-0.004332
N10	-6.303018	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.003751
N1B	.000000	.000000	.000000	-0.002515
N1C	.000000	.000000	.000000	-0.003248
N2A	.000000	.000000	.000000	-0.002972
N2B	.000000	.000000	.000000	-0.001835
N2C	.000000	.000000	.000000	-0.001942
N8A	.000000	.000000	.000000	-0.002248
N8B	.000000	.000000	.000000	-0.002142
N8C	.000000	.000000	.000000	-0.003278
N9A	.000000	.000000	.000000	-0.003384
N9B	.000000	.000000	.000000	-0.002652
N9C	.000000	.000000	.000000	-0.003888
P10	-23.900520	.000000	.000000	.000000
2SEC1	.000000	.000000	.000000	-0.001693
3SEC1	.000000	.000000	.000000	-0.001609
4SEC1	.000000	.000000	.000000	-3.53E-05
5SEC1	.000000	.000000	.000000	-1.85E-05
6SEC1	.000000	.000000	.000000	-1.85E-05
7SEC1	.000000	.000000	.000000	-3.53E-05
8SEC1	.000000	.000000	.000000	-0.001849
9SEC1	.000000	.000000	.000000	-0.001939

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R E S T R A I N T F O R C E S (R E A C T I O N S)

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

LOAD DEAD ----------

JOINT	FX	FY	FZ	MY
A3	-0.016766	.000000	360.617913	.000000

A4	-0.019808	.000000	275.361141	.000000
A5	-0.004460	.000000	268.361127	.000000
A6	0.004460	.000000	268.361127	.000000
A7	0.019808	.000000	275.361141	.000000
A8	0.016766	.000000	360.617918	.000000
D2	9.548450	.000000	429.309014	.000000
D9	-9.548450	.000000	429.309021	.000000

LOADMANIFOLD ----------

JOINT	FX	FY	FZ	MY
A3	-0.197167	.000000	3755.095	.000000
A4	-0.232934	.000000	0.000154	.000000
A5	-0.052451	.000000	1.48E-12	.000000
A6	0.052451	.000000	1.48E-12	.000000
A7	0.232934	.000000	0.000154	.000000
A8	0.197167	.000000	3755.095	.000000
D2	112.288560	.000000	3820.905	.000000
D9	-112.288560	.000000	3820.905	.000000

LOAD TBAR ----------

JOINT	FX	FY	FZ	MY
A3	-0.116932	.000000	2207.246	.000000
A4	-0.138144	.000000	663.648928	.000000
A5	-0.031107	.000000	12.999999	.000000
A6	0.031107	.000000	12.999999	.000000
A7	0.138144	.000000	663.648928	.000000
A8	0.116932	.000000	2207.246	.000000
D2	66.593641	.000000	2178.105	.000000
D9	-66.593641	.000000	2178.105	.000000

LOADTOPCOVER ----------

JOINT	FX	FY	FZ	MY
A3	-0.052310	.000000	1235.399	.000000
A4	-0.061799	.000000	4.95E-05	.000000
A5	-0.013916	.000000	4.74E-13	.000000
A6	0.013916	.000000	4.74E-13	.000000
A7	0.061799	.000000	4.95E-05	.000000
A8	0.052310	.000000	1235.399	.000000
D2	29.791071	.000000	2476.601	.000000
D9	-29.791071	.000000	2476.601	.000000

LOAD PEWALLS ----------

JOINT	FX	FY	FZ	MY
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000

LOADHOTBASIN ----------

JOINT	FX	FY	FZ	MY
A3	-0.029272	.000000	864.802083	.000000
A4	-0.034582	.000000	3.43E-05	.000000
A5	-0.007787	.000000	3.29E-13	.000000
A6	0.007787	.000000	3.29E-13	.000000

A7	0.034582	.000000	3.43E-05	.000000
A8	0.029272	.000000	864.802083	.000000
D2	16.670393	.000000	2447.198	.000000
D9	-16.670393	.000000	2447.198	.000000

LOADDRIFTELM ----------

JOINT	FX	FY	FZ	MY
A3	-0.007281	.000000	115.822894	.000000
A4	-0.008602	.000000	331.858334	.000000
A5	-0.001937	.000000	96.999967	.000000
A6	0.001937	.000000	96.999967	.000000
A7	0.008602	.000000	331.858334	.000000
A8	0.007281	.000000	115.822894	.000000
D2	4.146768	.000000	1.318805	.000000
D9	-4.146768	.000000	1.318805	.000000

LOADFANMOTOR ----------

JOINT	FX	FY	FZ	MY
A3	-0.050254	.000000	416.432963	.000000
A4	-0.059370	.000000	3.62E-05	.000000
A5	-0.013369	.000000	1872.000	.000000
A6	0.013369	.000000	1872.000	.000000
A7	0.059370	.000000	7.07E-05	.000000
A8	0.050254	.000000	1258.491	.000000
D2	28.620060	.000000	8.567020	.000000
D9	-28.620060	.000000	475.508463	.000000

LOADCABLETRY ----------

JOINT	FX	FY	FZ	MY
A3	0.000694	.000000	15.739198	.000000
A4	0.000820	.000000	5.24E-07	.000000
A5	0.000185	.000000	4.95E-15	.000000
A6	-0.000185	.000000	5.01E-15	.000000
A7	-0.000820	.000000	5.30E-07	.000000
A8	-0.000694	.000000	15.906813	.000000
D2	-0.395118	.000000	-15.739199	.000000
D9	0.395118	.000000	344.093186	.000000

LOADLOUVERWL ----------

JOINT	FX	FY	FZ	MY
A3	0.007998	.000000	109.439203	.000000
A4	0.009449	.000000	3.15E-06	.000000
A5	0.002128	.000000	2.94E-14	.000000
A6	-0.002128	.000000	2.94E-14	.000000
A7	-0.009449	.000000	3.15E-06	.000000
A8	-0.007998	.000000	109.439254	.000000
D2	-4.554910	.000000	1519.561	.000000
D9	4.554910	.000000	1519.561	.000000

LOAD SECDIST ----------

JOINT	FX	FY	FZ	MY
A3	-0.015184	.000000	387.335408	.000000
A4	-0.017939	.000000	320.000005	.000000
A5	-0.004039	.000000	573.999997	.000000
A6	0.004039	.000000	1083.000	.000000
A7	0.017939	.000000	320.000010	.000000
A8	0.015184	.000000	387.335463	.000000
D2	8.647482	.000000	894.664590	.000000

```
     D9   -8.647482     .000000  894.664534     .000000

COMBDEADLOAD ------------------ MAX

  JOINT          FX          FY          FZ          MY
     A3    0.493858     .000000    9467.929     .000000
     A4    0.583446     .000000    1590.869     .000000
     A5    0.131378     .000000    2824.361     .000000
     A6    0.131378     .000000    3333.361     .000000
     A7    0.583446     .000000    1590.869     .000000
     A8    0.493858     .000000   10310.155     .000000
     D2  281.256452     .000000   13791.969     .000000
     D9  281.256453     .000000   14587.264     .000000

COMBDEADLOAD ------------------ MIN

  JOINT          FX          FY          FZ          MY
     A3   -0.493858     .000000   -9467.929     .000000
     A4   -0.583446     .000000   -1590.869     .000000
     A5   -0.131378     .000000   -2824.361     .000000
     A6   -0.131378     .000000   -3333.361     .000000
     A7   -0.583446     .000000   -1590.869     .000000
     A8   -0.493858     .000000  -10310.155     .000000
     D2 -281.256452     .000000  -13791.969     .000000
     D9 -281.256453     .000000  -14587.264     .000000


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C O N S T R A I N T   F O R C E S

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

LOAD    DEAD ------------------

  JOINT          FX          FY          FZ          MY
     O4     .000000     .000000     .000000     .000000
     O7     .000000     .000000     .000000     .000000
     P4   -3.55E-15     .000000     .000000     .000000
     P7    1.78E-15     .000000     .000000     .000000

LOADMANIFOLD ------------------

  JOINT          FX          FY          FZ          MY
     O4     .000000     .000000     .000000     .000000
     O7     .000000     .000000     .000000     .000000
     P4   -1.98E-25     .000000     .000000     .000000
     P7   -1.52E-25     .000000     .000000     .000000

LOAD    TBAR ------------------

  JOINT          FX          FY          FZ          MY
     O4     .000000     .000000     .000000     .000000
     O7     .000000     .000000     .000000     .000000
     P4   -2.11E-25     .000000     .000000     .000000
     P7    2.49E-25     .000000     .000000     .000000

LOADTOPCOVER ------------------

  JOINT          FX          FY          FZ          MY
     O4     .000000     .000000     .000000     .000000
```

```
     O7     .000000     .000000     .000000     .000000
     P4   -2.84E-14     .000000     .000000     .000000
     P7    5.68E-14     .000000     .000000     .000000

LOAD PEWALLS ------------------

  JOINT          FX          FY          FZ          MY
     O4     .000000     .000000     .000000     .000000
     O7     .000000     .000000     .000000     .000000
     P4     .000000     .000000     .000000     .000000
     P7     .000000     .000000     .000000     .000000

LOADHOTBASIN ------------------

  JOINT          FX          FY          FZ          MY
     O4     .000000     .000000     .000000     .000000
     O7     .000000     .000000     .000000     .000000
     P4   -1.17E-25     .000000     .000000     .000000
     P7   -1.63E-25     .000000     .000000     .000000

LOADDRIFTELM ------------------

  JOINT          FX          FY          FZ          MY
     O4     .000000     .000000     .000000     .000000
     O7     .000000     .000000     .000000     .000000
     P4    6.73E-29     .000000     .000000     .000000
     P7   -6.50E-28     .000000     .000000     .000000

LOADFANMOTOR ------------------

  JOINT          FX          FY          FZ          MY
     O4     .000000     .000000     .000000     .000000
     O7     .000000     .000000     .000000     .000000
     P4   -9.18E-28     .000000     .000000     .000000
     P7   -7.38E-27     .000000     .000000     .000000

LOADCABLETRY ------------------

  JOINT          FX          FY          FZ          MY
     O4     .000000     .000000     .000000     .000000
     O7     .000000     .000000     .000000     .000000
     P4    3.40E-12     .000000     .000000     .000000
     P7    3.40E-12     .000000     .000000     .000000

LOADLOUVERWL ------------------

  JOINT          FX          FY          FZ          MY
     O4     .000000     .000000     .000000     .000000
     O7     .000000     .000000     .000000     .000000
     P4   -1.42E-14     .000000     .000000     .000000
     P7    7.11E-15     .000000     .000000     .000000

LOAD SECDIST ------------------

  JOINT          FX          FY          FZ          MY
     O4     .000000     .000000     .000000     .000000
     O7     .000000     .000000     .000000     .000000
     P4    8.78E-27     .000000     .000000     .000000
     P7    7.20E-26     .000000     .000000     .000000

COMBDEADLOAD ------------------ MAX

  JOINT          FX          FY          FZ          MY
```

```
     O4     .000000     .000000     .000000     .000000
     O7     .000000     .000000     .000000     .000000
     P4    3.44E-12     .000000     .000000     .000000
     P7    3.46E-12     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

  JOINT          FX          FY          FZ          MY
     O4     .000000     .000000     .000000     .000000
     O7     .000000     .000000     .000000     .000000
     P4   -3.44E-12     .000000     .000000     .000000
     P7   -3.46E-12     .000000     .000000     .000000


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G L O B A L   F O R C E   B A L A N C E

TOTAL FORCE AND MOMENT AT THE ORIGIN, IN GLOBAL COORDINATES

LOAD    DEAD ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED   -1.03E-16   -5.99E-30   -2667.298 -320075.808  924552.313    1.24E-14
SPRINGS   -1.75E-12     .000000     .000000     .000000   -0.001542    2.10E-10
REACTNS   -1.60E-14     .000000    2667.298  320075.808 -924552.311    1.88E-12
CONSTRS   -1.78E-15     .000000     .000000     .000000   -1.16E-12    2.13E-13

  TOTAL   -1.77E-12   -5.99E-30    4.55E-13    1.16E-10   -1.86E-09    2.12E-10

LOADMANIFOLD ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000  -15152.000 -1.8182E+06  5.2521E+06     .000000
SPRINGS   -3.52E-11     .000000     .000000     .000000   -2.87E-08    4.23E-09
REACTNS   -3.41E-13     .000000   15152.000  1.8182E+06 -5.2521E+06    4.06E-11
CONSTRS   -3.51E-25     .000000     .000000     .000000   -2.29E-22    4.21E-23

  TOTAL   -3.56E-11     .000000   -9.09E-12   -1.16E-09   -4.19E-08    4.27E-09

LOAD    TBAR ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000  -10124.000 -1.2149E+06  3.5092E+06     .000000
SPRINGS   -1.20E-11     .000000     .000000     .000000   -0.002185    1.45E-09
REACTNS   -2.13E-13     .000000   10124.000  1.2149E+06 -3.5092E+06    2.49E-11
CONSTRS    3.83E-26     .000000     .000000     .000000    2.51E-23   -4.60E-24

  TOTAL   -1.23E-11     .000000   -5.46E-12   -6.98E-10   -1.40E-08    1.47E-09

LOADTOPCOVER ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000   -7424.000 -890880.000  2.5733E+06     .000000
SPRINGS    2.65E-12     .000000     .000000     .000000    0.003385   -3.18E-10
REACTNS    8.88E-14     .000000    7424.000  890880.000 -2.5733E+06   -1.10E-11
CONSTRS    2.84E-14     .000000     .000000     .000000    1.86E-11   -3.41E-12

  TOTAL    2.77E-12     .000000   -1.27E-11   -1.63E-09   -2.78E-09   -3.32E-10

LOAD PEWALLS ------------------
```

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	.000000	.000000	.000000	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	.000000	.000000	.000000	.000000

LOADHOTBASIN ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-6624.000	-794880.000	2.2960E+06	.000000
SPRINGS	1.77E-11	.000000	.000000	.000000	-0.016561	-2.12E-09
REACTNS	-1.17E-13	.000000	6624.000	794880.000	-2.2960E+06	1.41E-11
CONSTRS	-2.79E-25	.000000	.000000	.000000	-1.83E-22	3.35E-23
TOTAL	1.76E-11	.000000	-9.09E-12	-1.05E-09	6.52E-09	-2.11E-09

LOADDRIFTELM ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-1092.000	-131040.000	378514.500	.000000
SPRINGS	-2.61E-12	.000000	.000000	.000000	-1.97E-09	3.13E-10
REACTNS	-1.07E-14	.000000	1092.000	131040.000	-378514.500	1.31E-12
CONSTRS	-5.83E-28	.000000	.000000	.000000	-3.81E-25	7.00E-26
TOTAL	-2.62E-12	.000000	9.09E-13	1.31E-10	-2.27E-09	3.14E-10

LOADFANMOTOR ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-5903.000	-708360.000	2.3153E+06	.000000
SPRINGS	-1.73E-11	.000000	.000000	.000000	67.781547	2.08E-09
REACTNS	-9.20E-13	.000000	5903.000	708360.000	-2.3154E+06	1.11E-10
CONSTRS	-8.30E-27	.000000	.000000	.000000	-5.43E-24	9.96E-25
TOTAL	-1.83E-11	.000000	7.28E-12	6.98E-10	-1.58E-08	2.19E-09

LOADCABLETRY ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-360.000000	-43200.000	232537.500	.000000
SPRINGS	3.77E-10	.000000	.000000	.000000	-17044.568	-4.53E-08
REACTNS	8.14E-14	.000000	360.000000	43200.000	-215492.932	-9.77E-12
CONSTRS	6.79E-12	.000000	.000000	.000000	4.44E-09	-8.15E-10
TOTAL	3.84E-10	.000000	-1.65E-11	-1.98E-09	1.05E-07	-4.61E-08

LOADLOUVERWL ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-3258.000	-390960.000	1.1293E+06	.000000
SPRINGS	1.00E-11	.000000	.000000	.000000	-0.011826	-1.20E-09
REACTNS	3.55E-15	.000000	3258.000	390960.000	-1.1293E+06	-3.69E-13
CONSTRS	-7.11E-15	.000000	.000000	.000000	-4.65E-12	8.53E-13
TOTAL	9.99E-12	.000000	-6.37E-12	-7.57E-10	7.68E-09	-1.20E-09

LOAD SECDIST ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-4861.000	-583320.000	1.7033E+06	.000000

```
SPRINGS    4.04E-12     .000000     .000000     .000000   -0.007635   -4.85E-10
REACTNS   -4.44E-14     .000000    4861.000  583320.000 -1.7033E+06    5.41E-12
CONSTRS    8.08E-26     .000000     .000000     .000000    5.29E-23   -9.70E-24

  TOTAL    4.00E-12     .000000   -4.55E-12   -5.82E-10    1.63E-09   -4.80E-10

COMBDEADLOAD ------------------ MAX

                 FX          FY          FZ          MX          MY          MZ
APPLIED    1.03E-16    5.99E-30   57465.298  6.8958E+06  2.0314E+07    1.24E-14
SPRINGS    4.81E-10     .000000     .000000     .000000   17112.393    5.77E-08
REACTNS    1.84E-12     .000000   57465.298  6.8958E+06  2.0297E+07    2.20E-10
CONSTRS    6.83E-12     .000000     .000000     .000000    4.47E-09    8.20E-10

  TOTAL    4.89E-10    5.99E-30    7.24E-11    8.80E-09    1.99E-07    5.87E-08

COMBDEADLOAD ------------------ MIN

                 FX          FY          FZ          MX          MY          MZ
APPLIED   -1.03E-16   -5.99E-30  -57465.298 -6.8958E+06 -2.0314E+07   -1.24E-14
SPRINGS   -4.81E-10     .000000     .000000     .000000  -17112.393   -5.77E-08
REACTNS   -1.84E-12     .000000  -57465.298 -6.8958E+06 -2.0297E+07   -2.20E-10
CONSTRS   -6.83E-12     .000000     .000000     .000000   -4.47E-09   -8.20E-10

  TOTAL   -4.89E-10   -5.99E-30   -7.24E-11   -8.80E-09   -1.99E-07   -5.87E-08


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F R A M E   E L E M E N T   I N T E R N A L   F O R C E S

ELEM       1 ================== LENGTH =   91.522023

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1079.597    2.244474    2.72E-16     .000000     .000000     .000000
0.50000    1070.987    4.54E-16    5.96E-32     .000000    6.22E-15   51.354708
1.00000    1062.377    2.244474    2.72E-16     .000000    5.58E-30    4.69E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1079.597   -2.244474   -2.72E-16     .000000     .000000     .000000
0.50000   -1070.987   -4.54E-16   -5.96E-32     .000000   -6.22E-15  -51.354708
1.00000   -1062.377   -2.244474   -2.72E-16     .000000   -5.58E-30   -4.69E-14

ELEM       2 ================== LENGTH =   35.588309

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2384.867    0.872763    1.06E-16     .000000     .000000     .000000
0.50000    2381.519    3.15E-16    1.17E-32     .000000    9.40E-16    7.765040
1.00000    2378.171    0.872763    1.06E-16     .000000    5.52E-31    1.08E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2384.867   -0.872763   -1.06E-16     .000000     .000000     .000000
0.50000   -2381.519   -3.15E-16   -1.17E-32     .000000   -9.40E-16   -7.765040
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```
1.00000   -2378.171   -0.872763   -1.06E-16     .000000   -5.52E-31   -1.08E-14

ELEM       3 ================== LENGTH =   49.604034

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2946.675    1.216483    1.47E-16     .000000     .000000     .000000
0.50000    2942.008    2.77E-16    1.47E-32     .000000    1.83E-15   15.085621
1.00000    2937.342    1.216483    1.47E-16     .000000    1.09E-30    1.34E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2946.675   -1.216483   -1.47E-16     .000000     .000000     .000000
0.50000   -2942.008   -2.77E-16   -1.47E-32     .000000   -1.83E-15  -15.085621
1.00000   -2937.342   -1.216483   -1.47E-16     .000000   -1.09E-30   -1.34E-14

ELEM       4 ================== LENGTH =   94.625000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  293.172301   14.456598    1.75E-15     .000000     .000000     .000000
0.25000  293.172301    7.228299    8.75E-16     .000000    3.11E-14  256.491679
0.50000  293.172301    1.91E-15    1.77E-31     .000000    4.14E-14  341.988905
0.75000  293.172301    7.228299    8.75E-16     .000000    3.11E-14  256.491679
1.00000  293.172301   14.456598    1.75E-15     .000000    1.29E-29    2.86E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -293.172301  -14.456598   -1.75E-15     .000000     .000000     .000000
0.25000 -293.172301   -7.228299   -8.75E-16     .000000   -3.11E-14 -256.491679
0.50000 -293.172301   -1.91E-15   -1.77E-31     .000000   -4.14E-14 -341.988905
0.75000 -293.172301   -7.228299   -8.75E-16     .000000   -3.11E-14 -256.491679
1.00000 -293.172301  -14.456598   -1.75E-15     .000000   -1.29E-29   -2.86E-13

ELEM       5 ================== LENGTH =   49.604034

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3116.684    1.216483    1.47E-16     .000000     .000000     .000000
0.50000    3112.017    3.05E-16    2.33E-32     .000000    1.83E-15   15.085621
1.00000    3107.350    1.216483    1.47E-16     .000000    1.24E-30    1.70E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3116.684   -1.216483   -1.47E-16     .000000     .000000     .000000
0.50000   -3112.017   -3.05E-16   -2.33E-32     .000000   -1.83E-15  -15.085621
1.00000   -3107.350   -1.216483   -1.47E-16     .000000   -1.24E-30   -1.70E-14

ELEM       6 ================== LENGTH =   60.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  117.437327   17.333335    1.68E-15     .000000     .000000     .000000
0.25000  117.437327   14.416668    1.33E-15     .000000    2.26E-14  238.125025
0.50000  117.437327   11.500001    9.77E-16     .000000    3.99E-14  432.500046
0.75000  117.437327   12.083339    1.22E-15     .000000    5.19E-14  583.125063
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1.00000  117.437327   15.000006    1.57E-15     .000000    5.86E-14  690.000077

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -117.437327  -17.333335   -1.68E-15     .000000     .000000     .000000
0.25000 -117.437327  -14.416668   -1.33E-15     .000000   -2.26E-14 -238.125025
0.50000 -117.437327  -11.500001   -9.77E-16     .000000   -3.99E-14 -432.500046
0.75000 -117.437327  -12.083339   -1.22E-15     .000000   -5.19E-14 -583.125063
1.00000 -117.437327  -15.000006   -1.57E-15     .000000   -5.86E-14 -690.000077

ELEM       7 ================== LENGTH =    3.999990

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  102.239233  231.495023    2.29E-14     .000000    9.16E-14  927.533325
0.25000  102.239233  231.689467    2.29E-14     .000000    6.87E-14  695.941659
0.50000  102.239233  231.883911    2.29E-14     .000000    4.59E-14  464.155550
0.75000  102.239233  232.078355    2.29E-14     .000000    2.29E-14  232.174997
1.00000  102.239233  232.272799    2.29E-14     .000000    2.84E-27    2.36E-11

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -102.239233 -231.495023   -2.29E-14     .000000   -9.16E-14 -927.533325
0.25000 -102.239233 -231.689467   -2.29E-14     .000000   -6.87E-14 -695.941659
0.50000 -102.239233 -231.883911   -2.29E-14     .000000   -4.59E-14 -464.155550
0.75000 -102.239233 -232.078355   -2.29E-14     .000000   -2.29E-14 -232.174997
1.00000 -102.239233 -232.272799   -2.29E-14     .000000   -2.84E-27   -2.36E-11

ELEM       8 ================== LENGTH =   49.604031

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3521.698    1.216482    1.47E-16     .000000     .000000     .000000
0.50000    3517.032    2.75E-16    4.49E-32     .000000    1.83E-15   15.085608
1.00000    3512.365    1.216482    1.47E-16     .000000    2.59E-30    1.37E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3521.698   -1.216482   -1.47E-16     .000000     .000000     .000000
0.50000   -3517.032   -2.75E-16   -4.49E-32     .000000   -1.83E-15  -15.085608
1.00000   -3512.365   -1.216482   -1.47E-16     .000000   -2.59E-30   -1.37E-14

ELEM       9 ================== LENGTH =   62.561990

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  141.942375    6.082416    7.37E-16     .000000     .000000     .000000
0.25000  141.942375    3.041208    3.68E-16     .000000    8.64E-15   71.349011
0.50000  141.942375    1.98E-15    3.86E-31     .000000    1.15E-14   95.132015
0.75000  141.942375    3.041208    3.68E-16     .000000    8.64E-15   71.349011
1.00000  141.942375    6.082416    7.37E-16     .000000    2.50E-29    1.45E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -141.942375   -6.082416   -7.37E-16     .000000     .000000     .000000
0.25000 -141.942375   -3.041208   -3.68E-16     .000000   -8.64E-15  -71.349011
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0.50000 -141.942375   -1.98E-15   -3.86E-31     .000000   -1.15E-14  -95.132015
0.75000 -141.942375   -3.041208   -3.68E-16     .000000   -8.64E-15  -71.349011
1.00000 -141.942375   -6.082416   -7.37E-16     .000000   -2.50E-29   -1.45E-13

ELEM      10 ================== LENGTH =   50.049590

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   49.771873    4.865933    5.89E-16     .000000     .000000     .000000
0.25000   49.771873    2.432966    2.95E-16     .000000    5.53E-15   45.663364
0.50000   49.771873    1.71E-15    1.15E-31     .000000    7.37E-15   60.884485
0.75000   49.771873    2.432966    2.95E-16     .000000    5.53E-15   45.663364
1.00000   49.771873    4.865933    5.89E-16     .000000    5.95E-30    8.36E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -49.771873   -4.865933   -5.89E-16     .000000     .000000     .000000
0.25000  -49.771873   -2.432966   -2.95E-16     .000000   -5.53E-15  -45.663364
0.50000  -49.771873   -1.71E-15   -1.15E-31     .000000   -7.37E-15  -60.884485
0.75000  -49.771873   -2.432966   -2.95E-16     .000000   -5.53E-15  -45.663364
1.00000  -49.771873   -4.865933   -5.89E-16     .000000   -5.95E-30   -8.36E-14

ELEM      11 ================== LENGTH =   49.604034

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3689.193    1.216483    1.47E-16     .000000     .000000     .000000
0.50000    3684.526    2.77E-16    1.47E-32     .000000    1.83E-15   15.085621
1.00000    3679.860    1.216483    1.47E-16     .000000    1.09E-30    1.34E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3689.193   -1.216483   -1.47E-16     .000000     .000000     .000000
0.50000   -3684.526   -2.77E-16   -1.47E-32     .000000   -1.83E-15  -15.085621
1.00000   -3679.860   -1.216483   -1.47E-16     .000000   -1.09E-30   -1.34E-14

ELEM      12 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  102.239233   58.418344    5.36E-15     .000000    2.05E-13    2299.410
0.25000  102.239233   57.251677    5.22E-15     .000000    1.76E-13    1966.940
0.50000  102.239233   57.161690    5.17E-15     .000000    1.45E-13    1627.470
0.75000  102.239233   58.328356    5.31E-15     .000000    1.14E-13    1281.002
1.00000  102.239233   59.495023    5.45E-15     .000000    8.12E-14  927.533453

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -102.239233  -58.418344   -5.36E-15     .000000   -2.05E-13   -2299.410
0.25000 -102.239233  -57.251677   -5.22E-15     .000000   -1.76E-13   -1966.940
0.50000 -102.239233  -57.161690   -5.17E-15     .000000   -1.45E-13   -1627.470
0.75000 -102.239233  -58.328356   -5.31E-15     .000000   -1.14E-13   -1281.002
1.00000 -102.239233  -59.495023   -5.45E-15     .000000   -8.12E-14 -927.533453

ELEM      13 ================== LENGTH =   25.024800

COMBDEADLOAD ------------------ MAX
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	49.525371	2.432967	2.95E-16	.000000	.000000	.000000
0.25000	49.525371	1.216483	1.47E-16	.000000	1.38E-15	11.415845
0.50000	49.525371	9.66E-16	9.80E-32	.000000	1.84E-15	15.221127
0.75000	49.525371	1.216483	1.47E-16	.000000	1.38E-15	11.415845
1.00000	49.525371	2.432967	2.95E-16	.000000	2.39E-30	2.12E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-49.525371	-2.432967	-2.95E-16	.000000	.000000	.000000
0.25000	-49.525371	-1.216483	-1.47E-16	.000000	-1.38E-15	-11.415845
0.50000	-49.525371	-9.66E-16	-9.80E-32	.000000	-1.84E-15	-15.221127
0.75000	-49.525371	-1.216483	-1.47E-16	.000000	-1.38E-15	-11.415845
1.00000	-49.525371	-2.432967	-2.95E-16	.000000	-2.39E-30	-2.12E-14

ELEM 14 ========== LENGTH = 4.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	67.929261	99.765458	9.84E-15	.000000	3.96E-14	400.617387
0.25000	67.929261	99.959902	9.87E-15	.000000	2.97E-14	300.754707
0.50000	67.929261	100.154347	9.89E-15	.000000	1.98E-14	200.697582
0.75000	67.929261	100.348791	9.91E-15	.000000	9.93E-15	100.446013
1.00000	67.929261	100.543236	9.94E-15	.000000	1.92E-29	2.39E-15

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-67.929261	-99.765458	-9.84E-15	.000000	-3.96E-14	-400.617387
0.25000	-67.929261	-99.959902	-9.87E-15	.000000	-2.97E-14	-300.754707
0.50000	-67.929261	-100.154347	-9.89E-15	.000000	-1.98E-14	-200.697582
0.75000	-67.929261	-100.348791	-9.91E-15	.000000	-9.93E-15	-100.446013
1.00000	-67.929261	-100.543236	-9.94E-15	.000000	-1.92E-29	-2.39E-15

ELEM 15 ========== LENGTH = 49.604034

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	3958.076	1.216483	1.47E-16	.000000	.000000	.000000
0.50000	3953.409	3.32E-16	2.08E-32	.000000	1.83E-15	15.085621
1.00000	3948.743	1.216483	1.47E-16	.000000	1.09E-30	1.87E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-3958.076	-1.216483	-1.47E-16	.000000	.000000	.000000
0.50000	-3953.409	-3.32E-16	-2.08E-32	.000000	-1.83E-15	-15.085621
1.00000	-3948.743	-1.216483	-1.47E-16	.000000	-1.09E-30	-1.87E-14

ELEM 16 ========== LENGTH = 17.539000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	333.413816	201.063630	7.79E-15	.000000	.000000	.000000
0.25000	333.413816	199.723845	7.63E-15	.000000	3.38E-14	878.676439
0.50000	333.413816	198.384060	7.47E-15	.000000	6.69E-14	1751.478
0.75000	333.413816	197.044275	7.31E-15	.000000	9.93E-14	2618.405
1.00000	333.413816	195.704490	7.28E-15	.000000	1.31E-13	3479.458

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-333.413816	-201.063630	-7.79E-15	.000000	.000000	.000000
0.25000	-333.413816	-199.723845	-7.63E-15	.000000	-3.38E-14	-878.676439
0.50000	-333.413816	-198.384060	-7.47E-15	.000000	-6.69E-14	-1751.478
0.75000	-333.413816	-197.044275	-7.31E-15	.000000	-9.93E-14	-2618.405
1.00000	-333.413816	-195.704490	-7.28E-15	.000000	-1.31E-13	-3479.458

ELEM 17 ========== LENGTH = 8.512400

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	67.929261	47.890689	4.42E-15	.000000	.000000	.000000
0.25000	67.929261	47.476892	4.37E-15	.000000	9.34E-15	101.475875
0.50000	67.929261	47.063095	4.31E-15	.000000	1.86E-14	202.071148
0.75000	67.929261	46.699105	4.31E-15	.000000	2.77E-14	301.785820
1.00000	67.929261	47.112902	4.36E-15	.000000	3.67E-14	400.619889

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-67.929261	-47.890689	-4.42E-15	.000000	.000000	.000000
0.25000	-67.929261	-47.476892	-4.37E-15	.000000	-9.34E-15	-101.475875
0.50000	-67.929261	-47.063095	-4.31E-15	.000000	-1.86E-14	-202.071148
0.75000	-67.929261	-46.699105	-4.31E-15	.000000	-2.77E-14	-301.785820
1.00000	-67.929261	-47.112902	-4.36E-15	.000000	-3.67E-14	-400.619889

ELEM 18 ========== LENGTH = 9.537200

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	102.239233	242.026390	2.21E-14	.000000	.000000	.000000
0.25000	102.239233	241.562776	2.21E-14	.000000	5.27E-14	576.510824
0.50000	102.239233	241.099162	2.20E-14	.000000	1.05E-13	1151.916
0.75000	102.239233	240.635548	2.19E-14	.000000	1.58E-13	1726.216
1.00000	102.239233	240.171934	2.19E-14	.000000	2.10E-13	2299.411

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-102.239233	-242.026390	-2.21E-14	.000000	.000000	.000000
0.25000	-102.239233	-241.562776	-2.21E-14	.000000	-5.27E-14	-576.510824
0.50000	-102.239233	-241.099162	-2.20E-14	.000000	-1.05E-13	-1151.916
0.75000	-102.239233	-240.635548	-2.19E-14	.000000	-1.58E-13	-1726.216
1.00000	-102.239233	-240.171934	-2.19E-14	.000000	-2.10E-13	-2299.411

ELEM 19 ========== LENGTH = 15.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	13767.969	281.256452	.000000	.000000	.000000	0.000275
0.50000	13764.702	281.256452	.000000	.000000	.000000	2214.895
1.00000	13761.436	281.256452	.000000	.000000	.000000	4429.789

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-13767.969	-281.256452	.000000	.000000	.000000	-0.000275

```
0.50000  -13764.702 -281.256452     .000000     .000000     .000000   -2214.895
1.00000  -13761.436 -281.256452     .000000     .000000     .000000   -4429.789

ELEM      20 ================== LENGTH =   32.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   13632.769  135.260791     .000000     .000000     .000000    4429.790
0.50000   13625.977  135.260791     .000000     .000000     .000000    2214.894
1.00000   13619.184  135.260791     .000000     .000000     .000000    0.001067

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13632.769 -135.260791     .000000     .000000     .000000   -4429.790
0.50000  -13625.977 -135.260791     .000000     .000000     .000000   -2214.894
1.00000  -13619.184 -135.260791     .000000     .000000     .000000   -0.001067

ELEM      21 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   13422.962     .000000     .000000     .000000     .000000     .000000
0.50000   13413.006     .000000     .000000     .000000     .000000     .000000
1.00000   13403.051     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13422.962     .000000     .000000     .000000     .000000     .000000
0.50000  -13413.006     .000000     .000000     .000000     .000000     .000000
1.00000  -13403.051     .000000     .000000     .000000     .000000     .000000

ELEM      22 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   13646.592     .000000     .000000     .000000     .000000     .000000
0.50000   13636.636     .000000     .000000     .000000     .000000     .000000
1.00000   13626.681     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13646.592     .000000     .000000     .000000     .000000     .000000
0.50000  -13636.636     .000000     .000000     .000000     .000000     .000000
1.00000  -13626.681     .000000     .000000     .000000     .000000     .000000

ELEM      23 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9583.290     .000000     .000000     .000000     .000000     .000000
0.50000    9577.846     .000000     .000000     .000000     .000000     .000000
1.00000    9572.402     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
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0.00000   -9583.290     .000000     .000000     .000000     .000000     .000000
0.50000   -9577.846     .000000     .000000     .000000     .000000     .000000
1.00000   -9572.402     .000000     .000000     .000000     .000000     .000000

ELEM      24 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9154.289     .000000     .000000     .000000     .000000     .000000
0.50000    9148.844     .000000     .000000     .000000     .000000     .000000
1.00000    9143.400     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9154.289     .000000     .000000     .000000     .000000     .000000
0.50000   -9148.844     .000000     .000000     .000000     .000000     .000000
1.00000   -9143.400     .000000     .000000     .000000     .000000     .000000

ELEM      25 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9133.967     .000000     .000000     .000000     .000000     .000000
0.50000    9128.522     .000000     .000000     .000000     .000000     .000000
1.00000    9123.078     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9133.967     .000000     .000000     .000000     .000000     .000000
0.50000   -9128.522     .000000     .000000     .000000     .000000     .000000
1.00000   -9123.078     .000000     .000000     .000000     .000000     .000000

ELEM      26 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8478.667     .000000     .000000     .000000     .000000     .000000
0.50000    8473.223     .000000     .000000     .000000     .000000     .000000
1.00000    8467.778     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8478.667     .000000     .000000     .000000     .000000     .000000
0.50000   -8473.223     .000000     .000000     .000000     .000000     .000000
1.00000   -8467.778     .000000     .000000     .000000     .000000     .000000

ELEM      28 ================== LENGTH =   34.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7531.675     .000000     .000000     .000000     .000000     .000000
0.50000    7527.769     .000000     .000000     .000000     .000000     .000000
1.00000    7523.863     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7531.675	.000000	.000000	.000000	.000000	.000000
0.50000	-7527.769	.000000	.000000	.000000	.000000	.000000
1.00000	-7523.863	.000000	.000000	.000000	.000000	.000000

ELEM 29 ========== LENGTH = 88.562500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1792.547	.000000	.000000	.000000	.000000	.000000
0.50000	1782.502	.000000	.000000	.000000	.000000	.000000
1.00000	1772.457	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1792.547	.000000	.000000	.000000	.000000	.000000
0.50000	-1782.502	.000000	.000000	.000000	.000000	.000000
1.00000	-1772.457	.000000	.000000	.000000	.000000	.000000

ELEM 30 ========== LENGTH = 15.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1018.550	244.875024	2.21E-14	.000000	.000000	.000000
0.25000	1018.550	244.145857	2.20E-14	.000000	8.26E-14	916.914151
0.50000	1018.550	243.416690	2.19E-14	.000000	1.65E-13	1831.094
0.75000	1018.550	242.687523	2.18E-14	.000000	2.47E-13	2742.539
1.00000	1018.550	241.958357	2.17E-14	.000000	3.28E-13	3651.250

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1018.550	-244.875024	-2.21E-14	.000000	.000000	.000000
0.25000	-1018.550	-244.145857	-2.20E-14	.000000	-8.26E-14	-916.914151
0.50000	-1018.550	-243.416690	-2.19E-14	.000000	-1.65E-13	-1831.094
0.75000	-1018.550	-242.687523	-2.18E-14	.000000	-2.47E-13	-2742.539
1.00000	-1018.550	-241.958357	-2.17E-14	.000000	-3.28E-13	-3651.250

ELEM 31 ========== LENGTH = 6.461000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	774.843004	248.195365	1.20E-14	.000000	.000000	.000000
0.25000	774.843004	247.701816	1.20E-14	.000000	1.94E-14	400.498961
0.50000	774.843004	247.208268	1.19E-14	.000000	3.87E-14	800.200718
0.75000	774.843004	246.714719	1.19E-14	.000000	5.79E-14	1199.105
1.00000	774.843004	246.221170	1.18E-14	.000000	7.70E-14	1597.213

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-774.843004	-248.195365	-1.20E-14	.000000	.000000	.000000
0.25000	-774.843004	-247.701816	-1.20E-14	.000000	-1.94E-14	-400.498961
0.50000	-774.843004	-247.208268	-1.19E-14	.000000	-3.87E-14	-800.200718
0.75000	-774.843004	-246.714719	-1.19E-14	.000000	-5.79E-14	-1199.105
1.00000	-774.843004	-246.221170	-1.18E-14	.000000	-7.70E-14	-1597.213

ELEM 32 ========== LENGTH = 15.487600

```
COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  117.437327  328.792286    2.96E-14     .000000     .000000     .000000
0.25000  117.437327  328.039416    2.95E-14     .000000    1.14E-13    1271.593
0.50000  117.437327  327.286547    2.94E-14     .000000    2.28E-13    2540.272
0.75000  117.437327  326.533677    2.93E-14     .000000    3.42E-13    3806.035
1.00000  117.437327  325.780807    2.92E-14     .000000    4.55E-13    5068.883

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -117.437327 -328.792286   -2.96E-14     .000000     .000000     .000000
0.25000 -117.437327 -328.039416   -2.95E-14     .000000   -1.14E-13   -1271.593
0.50000 -117.437327 -327.286547   -2.94E-14     .000000   -2.28E-13   -2540.272
0.75000 -117.437327 -326.533677   -2.93E-14     .000000   -3.42E-13   -3806.035
1.00000 -117.437327 -325.780807   -2.92E-14     .000000   -4.55E-13   -5068.883

ELEM      33 ================== LENGTH =   14.462800

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  151.994774  361.094019    3.25E-14     .000000     .000000     .000000
0.25000  151.994774  360.390966    3.25E-14     .000000    1.17E-13    1304.337
0.50000  151.994774  359.687913    3.24E-14     .000000    2.35E-13    2606.131
0.75000  151.994774  358.984860    3.23E-14     .000000    3.52E-13    3905.384
1.00000  151.994774  358.281807    3.22E-14     .000000    4.68E-13    5202.094

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -151.994774 -361.094019   -3.25E-14     .000000     .000000     .000000
0.25000 -151.994774 -360.390966   -3.25E-14     .000000   -1.17E-13   -1304.337
0.50000 -151.994774 -359.687913   -3.24E-14     .000000   -2.35E-13   -2606.131
0.75000 -151.994774 -358.984860   -3.23E-14     .000000   -3.52E-13   -3905.384
1.00000 -151.994774 -358.281807   -3.22E-14     .000000   -4.68E-13   -5202.094

ELEM      34 ================== LENGTH =   36.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  416.517243   55.666668    5.05E-15     .000000     .000000     .000000
0.25000  416.517243   53.916667    4.83E-15     .000000    4.45E-14  493.125007
0.50000  416.517243   52.166667    4.62E-15     .000000    8.70E-14  970.500014
0.75000  416.517243   50.416667    4.41E-15     .000000    1.28E-13    1432.125
1.00000  416.517243   48.666669    4.48E-15     .000000    1.66E-13    1878.000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -416.517243  -55.666668   -5.05E-15     .000000     .000000     .000000
0.25000 -416.517243  -53.916667   -4.83E-15     .000000   -4.45E-14 -493.125007
0.50000 -416.517243  -52.166667   -4.62E-15     .000000   -8.70E-14 -970.500014
0.75000 -416.517243  -50.416667   -4.41E-15     .000000   -1.28E-13   -1432.125
1.00000 -416.517243  -48.666669   -4.48E-15     .000000   -1.66E-13   -1878.000

ELEM      35 ================== LENGTH =   39.905978

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000  876.520137    4.083334    4.95E-16     .000000     .000000     .000000
0.50000  874.567078    6.11E-16    1.31E-32     .000000    4.93E-15   40.737356
1.00000  872.614020    4.083334    4.95E-16     .000000    6.39E-32    2.60E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -876.520137   -4.083334   -4.95E-16     .000000     .000000     .000000
0.50000 -874.567078   -6.11E-16   -1.31E-32     .000000   -4.93E-15  -40.737356
1.00000 -872.614020   -4.083334   -4.95E-16     .000000   -6.39E-32   -2.60E-14

ELEM      36 ================== LENGTH =   39.905935

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  701.859071    4.083334    4.95E-16     .000000     .000000     .000000
0.50000  699.906024    8.02E-17    2.09E-32     .000000    4.93E-15   40.737312
1.00000  697.952977    4.083334    4.95E-16     .000000    1.18E-30    3.20E-15

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -701.859071   -4.083334   -4.95E-16     .000000     .000000     .000000
0.50000 -699.906024   -8.02E-17   -2.09E-32     .000000   -4.93E-15  -40.737312
1.00000 -697.952977   -4.083334   -4.95E-16     .000000   -1.18E-30   -3.20E-15

ELEM      37 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1018.550  106.958357    9.75E-15     .000000    3.23E-13    3651.243
0.25000    1018.550  105.791690    9.61E-15     .000000    3.81E-13    4289.492
0.50000    1018.550  104.625023    9.47E-15     .000000    4.38E-13    4920.742
0.75000    1018.550  103.458356    9.32E-15     .000000    4.94E-13    5544.993
1.00000    1018.550  103.458354    9.43E-15     .000000    5.50E-13    6162.243

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1018.550 -106.958357   -9.75E-15     .000000   -3.23E-13   -3651.243
0.25000   -1018.550 -105.791690   -9.61E-15     .000000   -3.81E-13   -4289.492
0.50000   -1018.550 -104.625023   -9.47E-15     .000000   -4.38E-13   -4920.742
0.75000   -1018.550 -103.458356   -9.32E-15     .000000   -4.94E-13   -5544.993
1.00000   -1018.550 -103.458354   -9.43E-15     .000000   -5.50E-13   -6162.243

ELEM      38 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  774.843004   99.221170    4.26E-15     .000000    5.18E-14    1597.211
0.25000  774.843004   97.387837    4.04E-15     .000000    7.67E-14    2187.038
0.50000  774.843004   95.554503    3.82E-15     .000000    1.00E-13    2765.864
0.75000  774.843004   93.721170    3.61E-15     .000000    1.23E-13    3333.691
1.00000  774.843004   91.887837    3.84E-15     .000000    1.43E-13    3890.518

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -774.843004  -99.221170   -4.26E-15     .000000   -5.18E-14   -1597.211
0.25000 -774.843004  -97.387837   -4.04E-15     .000000   -7.67E-14   -2187.038
```

```
0.50000 -774.843004  -95.554503   -3.82E-15     .000000   -1.00E-13   -2765.864
0.75000 -774.843004  -93.721170   -3.61E-15     .000000   -1.23E-13   -3333.691
1.00000 -774.843004  -91.887837   -3.84E-15     .000000   -1.43E-13   -3890.518

ELEM      39 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  117.437327   74.780807    6.84E-15     .000000    4.49E-13    5068.875
0.25000  117.437327   73.614141    6.70E-15     .000000    4.90E-13    5514.059
0.50000  117.437327   72.447474    6.55E-15     .000000    5.30E-13    5952.243
0.75000  117.437327   71.280807    6.41E-15     .000000    5.69E-13    6383.428
1.00000  117.437327   71.470427    6.54E-15     .000000    6.07E-13    6807.613

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -117.437327  -74.780807   -6.84E-15     .000000   -4.49E-13   -5068.875
0.25000 -117.437327  -73.614141   -6.70E-15     .000000   -4.90E-13   -5514.059
0.50000 -117.437327  -72.447474   -6.55E-15     .000000   -5.30E-13   -5952.243
0.75000 -117.437327  -71.280807   -6.41E-15     .000000   -5.69E-13   -6383.428
1.00000 -117.437327  -71.470427   -6.54E-15     .000000   -6.07E-13   -6807.613

ELEM      40 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  151.994774  101.281807    9.23E-15     .000000    4.61E-13    5202.085
0.25000  151.994774  100.115141    9.09E-15     .000000    5.16E-13    5806.275
0.50000  151.994774   98.948474    8.95E-15     .000000    5.70E-13    6403.466
0.75000  151.994774   97.781807    8.81E-15     .000000    6.23E-13    6993.656
1.00000  151.994774   97.572894    8.90E-15     .000000    6.76E-13    7576.847

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -151.994774 -101.281807   -9.23E-15     .000000   -4.61E-13   -5202.085
0.25000 -151.994774 -100.115141   -9.09E-15     .000000   -5.16E-13   -5806.275
0.50000 -151.994774  -98.948474   -8.95E-15     .000000   -5.70E-13   -6403.466
0.75000 -151.994774  -97.781807   -8.81E-15     .000000   -6.23E-13   -6993.656
1.00000 -151.994774  -97.572894   -8.90E-15     .000000   -6.76E-13   -7576.847

ELEM      41 ================== LENGTH =   79.098436

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  145.412041    7.000001    8.48E-16     .000000     .000000     .000000
0.50000  148.596069    5.90E-16    5.80E-31     .000000    1.68E-14  138.422273
1.00000  151.780097    7.000001    8.48E-16     .000000    4.60E-29    3.93E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -145.412041   -7.000001   -8.48E-16     .000000     .000000     .000000
0.50000 -148.596069   -5.90E-16   -5.80E-31     .000000   -1.68E-14 -138.422273
1.00000 -151.780097   -7.000001   -8.48E-16     .000000   -4.60E-29   -3.93E-14

ELEM      43 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    3.69E-13    7.000001    8.48E-16     .000000     .000000     .000000
0.25000    3.69E-13    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000    3.69E-13    8.63E-16    1.59E-32     .000000    1.53E-14  126.000010
0.75000    3.69E-13    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000    3.69E-13    7.000001    8.48E-16     .000000    1.79E-31    5.26E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3.69E-13   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000   -3.69E-13   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000   -3.69E-13   -8.63E-16   -1.59E-32     .000000   -1.53E-14 -126.000010
0.75000   -3.69E-13   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000   -3.69E-13   -7.000001   -8.48E-16     .000000   -1.79E-31   -5.26E-14

ELEM      44 ================== LENGTH =   86.533231

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1219.478    7.000001    8.48E-16     .000000     .000000     .000000
0.50000    1224.144    5.78E-16    2.05E-31     .000000    1.83E-14  151.433166
1.00000    1228.811    7.000001    8.48E-16     .000000    1.55E-29    7.83E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1219.478   -7.000001   -8.48E-16     .000000     .000000     .000000
0.50000   -1224.144   -5.78E-16   -2.05E-31     .000000   -1.83E-14 -151.433166
1.00000   -1228.811   -7.000001   -8.48E-16     .000000   -1.55E-29   -7.83E-14

ELEM      45 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1018.550    7.000001    8.48E-16     .000000     .000000     .000000
0.25000    1018.550    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000    1018.550    8.63E-16    1.59E-32     .000000    1.53E-14  126.000010
0.75000    1018.550    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000    1018.550    7.000001    8.48E-16     .000000    1.79E-31    5.26E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1018.550   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000   -1018.550   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000   -1018.550   -8.63E-16   -1.59E-32     .000000   -1.53E-14 -126.000010
0.75000   -1018.550   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000   -1018.550   -7.000001   -8.48E-16     .000000   -1.79E-31   -5.26E-14

ELEM      46 ================== LENGTH =   86.533231

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   64.188755    7.000001    8.48E-16     .000000     .000000     .000000
0.50000   59.522088    5.78E-16    2.05E-31     .000000    1.83E-14  151.433166
1.00000   56.061517    7.000001    8.48E-16     .000000    1.55E-29    7.83E-14

COMBDEADLOAD ------------------ MIN
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000  -64.188755   -7.000001   -8.48E-16     .000000     .000000     .000000
0.50000  -59.522088   -5.78E-16   -2.05E-31     .000000   -1.83E-14 -151.433166
1.00000  -56.061517   -7.000001   -8.48E-16     .000000   -1.55E-29   -7.83E-14

ELEM      47 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   49.525371    7.000001    8.48E-16     .000000     .000000     .000000
0.25000   49.525371    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000   49.525371    8.63E-16    1.59E-32     .000000    1.53E-14  126.000010
0.75000   49.525371    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000   49.525371    7.000001    8.48E-16     .000000    1.79E-31    5.26E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -49.525371   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000  -49.525371   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000  -49.525371   -8.63E-16   -1.59E-32     .000000   -1.53E-14 -126.000010
0.75000  -49.525371   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000  -49.525371   -7.000001   -8.48E-16     .000000   -1.79E-31   -5.26E-14

ELEM      48 ================== LENGTH =   86.533231

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   64.485086    7.000001    8.48E-16     .000000     .000000     .000000
0.50000   59.818419    5.78E-16    2.05E-31     .000000    1.83E-14  151.433166
1.00000   55.151752    7.000001    8.48E-16     .000000    1.55E-29    7.83E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -64.485086   -7.000001   -8.48E-16     .000000     .000000     .000000
0.50000  -59.818419   -5.78E-16   -2.05E-31     .000000   -1.83E-14 -151.433166
1.00000  -55.151752   -7.000001   -8.48E-16     .000000   -1.55E-29   -7.83E-14

ELEM      49 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   49.771904    7.000001    8.48E-16     .000000     .000000     .000000
0.25000   49.771904    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000   49.771904    8.63E-16    1.59E-32     .000000    1.53E-14  126.000010
0.75000   49.771904    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000   49.771904    7.000001    8.48E-16     .000000    1.79E-31    5.26E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -49.771904   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000  -49.771904   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000  -49.771904   -8.63E-16   -1.59E-32     .000000   -1.53E-14 -126.000010
0.75000  -49.771904   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000  -49.771904   -7.000001   -8.48E-16     .000000   -1.79E-31   -5.26E-14

ELEM      50 ================== LENGTH =   72.000000
```

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	879.244242	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	879.244242	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	879.244242	8.63E-16	1.59E-32	.000000	1.53E-14	126.000010
0.75000	879.244242	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	879.244242	7.000001	8.48E-16	.000000	1.79E-31	5.26E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-879.244242	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	-879.244242	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	-879.244242	-8.63E-16	-1.59E-32	.000000	-1.53E-14	-126.000010
0.75000	-879.244242	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	-879.244242	-7.000001	-8.48E-16	.000000	-1.79E-31	-5.26E-14

ELEM 51 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	293.172301	11.000001	1.33E-15	.000000	.000000	.000000
0.25000	293.172301	5.500000	6.66E-16	.000000	1.80E-14	148.500012
0.50000	293.172301	3.75E-15	5.59E-31	.000000	2.40E-14	198.000016
0.75000	293.172301	5.500000	6.66E-16	.000000	1.80E-14	148.500012
1.00000	293.172301	11.000001	1.33E-15	.000000	3.79E-29	2.34E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-293.172301	-11.000001	-1.33E-15	.000000	.000000	.000000
0.25000	-293.172301	-5.500000	-6.66E-16	.000000	-1.80E-14	-148.500012
0.50000	-293.172301	-3.75E-15	-5.59E-31	.000000	-2.40E-14	-198.000016
0.75000	-293.172301	-5.500000	-6.66E-16	.000000	-1.80E-14	-148.500012
1.00000	-293.172301	-11.000001	-1.33E-15	.000000	-3.79E-29	-2.34E-13

ELEM 52 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	416.517243	13.333379	1.28E-15	.000000	1.67E-13	1877.999
0.25000	416.517243	14.500046	1.28E-15	.000000	1.60E-13	1794.499
0.50000	416.517243	15.666713	1.42E-15	.000000	1.52E-13	1703.999
0.75000	416.517243	16.833379	1.56E-15	.000000	1.43E-13	1606.499
1.00000	416.517243	18.000046	1.70E-15	.000000	1.33E-13	1501.999

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-416.517243	-13.333379	-1.28E-15	.000000	-1.67E-13	-1877.999
0.25000	-416.517243	-14.500046	-1.28E-15	.000000	-1.60E-13	-1794.499
0.50000	-416.517243	-15.666713	-1.42E-15	.000000	-1.52E-13	-1703.999
0.75000	-416.517243	-16.833379	-1.56E-15	.000000	-1.43E-13	-1606.499
1.00000	-416.517243	-18.000046	-1.70E-15	.000000	-1.33E-13	-1501.999

ELEM 53 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1018.550	128.708391	1.16E-14	.000000	5.50E-13	6162.243
0.25000	1018.550	129.875058	1.17E-14	.000000	4.80E-13	5386.493
0.50000	1018.550	131.041724	1.19E-14	.000000	4.10E-13	4603.743
0.75000	1018.550	132.208391	1.20E-14	.000000	3.38E-13	3813.993
1.00000	1018.550	133.375058	1.21E-14	.000000	2.66E-13	3017.243

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1018.550	-128.708391	-1.16E-14	.000000	-5.50E-13	-6162.243
0.25000	-1018.550	-129.875058	-1.17E-14	.000000	-4.80E-13	-5386.493
0.50000	-1018.550	-131.041724	-1.19E-14	.000000	-4.10E-13	-4603.743
0.75000	-1018.550	-132.208391	-1.20E-14	.000000	-3.38E-13	-3813.993
1.00000	-1018.550	-133.375058	-1.21E-14	.000000	-2.66E-13	-3017.243

ELEM 54 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	774.843004	37.497211	1.80E-15	.000000	1.41E-13	3890.518
0.25000	774.843004	35.945595	1.57E-15	.000000	1.34E-13	3680.344
0.50000	774.843004	37.778929	1.51E-15	.000000	1.25E-13	3459.170
0.75000	774.843004	39.612262	1.73E-15	.000000	1.16E-13	3226.997
1.00000	774.843004	41.445595	1.95E-15	.000000	1.04E-13	2983.824

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-774.843004	-37.497211	-1.80E-15	.000000	-1.41E-13	-3890.518
0.25000	-774.843004	-35.945595	-1.57E-15	.000000	-1.34E-13	-3680.344
0.50000	-774.843004	-37.778929	-1.51E-15	.000000	-1.25E-13	-3459.170
0.75000	-774.843004	-39.612262	-1.73E-15	.000000	-1.16E-13	-3226.997
1.00000	-774.843004	-41.445595	-1.95E-15	.000000	-1.04E-13	-2983.824

ELEM 55 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	117.437327	148.885942	1.34E-14	.000000	6.08E-13	6807.614
0.25000	117.437327	150.052609	1.35E-14	.000000	5.27E-13	5910.798
0.50000	117.437327	151.219276	1.37E-14	.000000	4.46E-13	5006.983
0.75000	117.437327	152.385943	1.38E-14	.000000	3.63E-13	4096.168
1.00000	117.437327	153.552610	1.40E-14	.000000	2.80E-13	3178.353

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-117.437327	-148.885942	-1.34E-14	.000000	-6.08E-13	-6807.614
0.25000	-117.437327	-150.052609	-1.35E-14	.000000	-5.27E-13	-5910.798
0.50000	-117.437327	-151.219276	-1.37E-14	.000000	-4.46E-13	-5006.983
0.75000	-117.437327	-152.385943	-1.38E-14	.000000	-3.63E-13	-4096.168
1.00000	-117.437327	-153.552610	-1.40E-14	.000000	-2.80E-13	-3178.353

ELEM 56 ========== LENGTH = 39.905978

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	699.878159	4.083334	4.95E-16	.000000	.000000	.000000
0.50000	701.831217	9.33E-16	1.07E-31	.000000	4.93E-15	40.737356

```
1.00000  703.784276    4.083334    4.95E-16     .000000    5.23E-30    4.67E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -699.878159   -4.083334   -4.95E-16     .000000     .000000     .000000
0.50000 -701.831217   -9.33E-16   -1.07E-31     .000000   -4.93E-15  -40.737356
1.00000 -703.784276   -4.083334   -4.95E-16     .000000   -5.23E-30   -4.67E-14

ELEM      57 ================== LENGTH =   39.905935

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  856.959019    4.083334    4.95E-16     .000000     .000000     .000000
0.50000  858.912066    1.20E-15    1.23E-31     .000000    4.93E-15   40.737312
1.00000  860.865113    4.083334    4.95E-16     .000000    5.13E-30    3.77E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -856.959019   -4.083334   -4.95E-16     .000000     .000000     .000000
0.50000 -858.912066   -1.20E-15   -1.23E-31     .000000   -4.93E-15  -40.737312
1.00000 -860.865113   -4.083334   -4.95E-16     .000000   -5.13E-30   -3.77E-14

ELEM      58 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  151.994774  160.384947    1.45E-14     .000000    6.77E-13    7576.848
0.25000  151.994774  161.551613    1.46E-14     .000000    5.90E-13    6611.038
0.50000  151.994774  162.718280    1.47E-14     .000000    5.02E-13    5638.229
0.75000  151.994774  163.884947    1.49E-14     .000000    4.13E-13    4658.420
1.00000  151.994774  165.051614    1.50E-14     .000000    3.23E-13    3671.611

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -151.994774 -160.384947   -1.45E-14     .000000   -6.77E-13   -7576.848
0.25000 -151.994774 -161.551613   -1.46E-14     .000000   -5.90E-13   -6611.038
0.50000 -151.994774 -162.718280   -1.47E-14     .000000   -5.02E-13   -5638.229
0.75000 -151.994774 -163.884947   -1.49E-14     .000000   -4.13E-13   -4658.420
1.00000 -151.994774 -165.051614   -1.50E-14     .000000   -3.23E-13   -3671.611

ELEM      59 ================== LENGTH =   12.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  416.517243  124.000046    1.12E-14     .000000    1.36E-13    1502.001
0.25000  416.517243  124.583379    1.12E-14     .000000    1.02E-13    1129.125
0.50000  416.517243  125.166713    1.13E-14     .000000    6.83E-14  754.500277
0.75000  416.517243  125.750046    1.14E-14     .000000    3.43E-14  378.125139
1.00000  416.517243  126.333380    1.15E-14     .000000    3.28E-28    1.85E-12

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -416.517243 -124.000046   -1.12E-14     .000000   -1.36E-13   -1502.001
0.25000 -416.517243 -124.583379   -1.12E-14     .000000   -1.02E-13   -1129.125
0.50000 -416.517243 -125.166713   -1.13E-14     .000000   -6.83E-14 -754.500277
0.75000 -416.517243 -125.750046   -1.14E-14     .000000   -3.43E-14 -378.125139
```

```
1.00000 -416.517243 -126.333380   -1.15E-14     .000000   -3.28E-28   -1.85E-12

ELEM      60 ================== LENGTH =    9.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1018.550  334.375058    3.06E-14     .000000    2.76E-13    3017.251
0.25000    1018.550  334.812558    3.06E-14     .000000    2.07E-13    2264.414
0.50000    1018.550  335.250058    3.07E-14     .000000    1.38E-13    1510.594
0.75000    1018.550  335.687558    3.07E-14     .000000    6.92E-14  755.789193
1.00000    1018.550  336.125058    3.08E-14     .000000    4.61E-28    3.89E-12

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1018.550 -334.375058   -3.06E-14     .000000   -2.76E-13   -3017.251
0.25000   -1018.550 -334.812558   -3.06E-14     .000000   -2.07E-13   -2264.414
0.50000   -1018.550 -335.250058   -3.07E-14     .000000   -1.38E-13   -1510.594
0.75000   -1018.550 -335.687558   -3.07E-14     .000000   -6.92E-14 -755.789193
1.00000   -1018.550 -336.125058   -3.08E-14     .000000   -4.61E-28   -3.89E-12

ELEM      61 ================== LENGTH =   17.539000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  774.843004  167.445595    6.20E-15     .000000    1.12E-13    2983.825
0.25000  774.843004  168.785380    6.23E-15     .000000    8.52E-14    2246.681
0.50000  774.843004  170.125165    6.40E-15     .000000    5.75E-14    1503.662
0.75000  774.843004  171.464950    6.56E-15     .000000    2.91E-14  754.768250
1.00000  774.843004  172.804735    6.72E-15     .000000    3.05E-28    1.82E-11

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -774.843004 -167.445595   -6.20E-15     .000000   -1.12E-13   -2983.825
0.25000 -774.843004 -168.785380   -6.23E-15     .000000   -8.52E-14   -2246.681
0.50000 -774.843004 -170.125165   -6.40E-15     .000000   -5.75E-14   -1503.662
0.75000 -774.843004 -171.464950   -6.56E-15     .000000   -2.91E-14 -754.768250
1.00000 -774.843004 -172.804735   -6.72E-15     .000000   -3.05E-28   -1.82E-11

ELEM      62 ================== LENGTH =    8.512400

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  117.437327  372.552610    3.42E-14     .000000    2.92E-13    3178.362
0.25000  117.437327  372.966407    3.42E-14     .000000    2.19E-13    2385.092
0.50000  117.437327  373.380204    3.43E-14     .000000    1.46E-13    1590.942
0.75000  117.437327  373.794001    3.43E-14     .000000    7.31E-14  795.911315
1.00000  117.437327  374.207799    3.44E-14     .000000    1.12E-27    1.24E-11

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -117.437327 -372.552610   -3.42E-14     .000000   -2.92E-13   -3178.362
0.25000 -117.437327 -372.966407   -3.42E-14     .000000   -2.19E-13   -2385.092
0.50000 -117.437327 -373.380204   -3.43E-14     .000000   -1.46E-13   -1590.942
0.75000 -117.437327 -373.794001   -3.43E-14     .000000   -7.31E-14 -795.911315
1.00000 -117.437327 -374.207799   -3.44E-14     .000000   -1.12E-27   -1.24E-11

ELEM      63 ================== LENGTH =    9.537200
```

```
COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  151.994774  384.051614    3.50E-14     .000000    3.35E-13    3671.620
0.25000  151.994774  384.515228    3.51E-14     .000000    2.52E-13    2755.373
0.50000  151.994774  384.978842    3.51E-14     .000000    1.68E-13    1838.021
0.75000  151.994774  385.442456    3.52E-14     .000000    8.40E-14  919.563144
1.00000  151.994774  385.906069    3.52E-14     .000000    1.91E-27    2.59E-12

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -151.994774 -384.051614   -3.50E-14     .000000   -3.35E-13   -3671.620
0.25000 -151.994774 -384.515228   -3.51E-14     .000000   -2.52E-13   -2755.373
0.50000 -151.994774 -384.978842   -3.51E-14     .000000   -1.68E-13   -1838.021
0.75000 -151.994774 -385.442456   -3.52E-14     .000000   -8.40E-14 -919.563144
1.00000 -151.994774 -385.906069   -3.52E-14     .000000   -1.91E-27   -2.59E-12

ELEM      64 ================== LENGTH =   50.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9467.929    0.493858     .000000     .000000     .000000    1.42E-05
0.50000    9462.201    0.493858     .000000     .000000     .000000   12.469896
1.00000    9456.473    0.493858     .000000     .000000     .000000   24.939798

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9467.929   -0.493858     .000000     .000000     .000000   -1.42E-05
0.50000   -9462.201   -0.493858     .000000     .000000     .000000  -12.469896
1.00000   -9456.473   -0.493858     .000000     .000000     .000000  -24.939798

ELEM      65 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9449.473    0.937705     .000000     .000000     .000000   24.939828
0.50000    9444.028    0.937705     .000000     .000000     .000000    2.434915
1.00000    9438.584    0.937705     .000000     .000000     .000000   20.069998

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9449.473   -0.937705     .000000     .000000     .000000  -24.939828
0.50000   -9444.028   -0.937705     .000000     .000000     .000000   -2.434915
1.00000   -9438.584   -0.937705     .000000     .000000     .000000  -20.069998

ELEM      66 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9431.584    2.124956     .000000     .000000     .000000   20.069961
0.50000    9426.139    2.124956     .000000     .000000     .000000   71.068908
1.00000    9420.695    2.124956     .000000     .000000     .000000  122.067855

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000   -9431.584   -2.124956     .000000     .000000     .000000  -20.069961
0.50000   -9426.139   -2.124956     .000000     .000000     .000000  -71.068908
1.00000   -9420.695   -2.124956     .000000     .000000     .000000 -122.067855

ELEM      67 ================== LENGTH =   15.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9413.695    7.750364     .000000     .000000     .000000  122.068013
0.50000    9411.908    7.750364     .000000     .000000     .000000   61.033900
1.00000    9410.122    7.750364     .000000     .000000     .000000    0.000213

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9413.695   -7.750364     .000000     .000000     .000000 -122.068013
0.50000   -9411.908   -7.750364     .000000     .000000     .000000  -61.033900
1.00000   -9410.122   -7.750364     .000000     .000000     .000000   -0.000213

ELEM      68 ================== LENGTH =   32.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9192.791     .000000     .000000     .000000     .000000     .000000
0.50000    9189.076     .000000     .000000     .000000     .000000     .000000
1.00000    9185.362     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9192.791     .000000     .000000     .000000     .000000     .000000
0.50000   -9189.076     .000000     .000000     .000000     .000000     .000000
1.00000   -9185.362     .000000     .000000     .000000     .000000     .000000

ELEM      69 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9178.362     .000000     .000000     .000000     .000000     .000000
0.50000    9172.917     .000000     .000000     .000000     .000000     .000000
1.00000    9167.473     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9178.362     .000000     .000000     .000000     .000000     .000000
0.50000   -9172.917     .000000     .000000     .000000     .000000     .000000
1.00000   -9167.473     .000000     .000000     .000000     .000000     .000000

ELEM      70 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8564.890     .000000     .000000     .000000     .000000     .000000
0.50000    8559.445     .000000     .000000     .000000     .000000     .000000
1.00000    8554.001     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000   -8564.890     .000000     .000000     .000000     .000000     .000000
0.50000   -8559.445     .000000     .000000     .000000     .000000     .000000
1.00000   -8554.001     .000000     .000000     .000000     .000000     .000000

ELEM      71 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8015.829     .000000     .000000     .000000     .000000     .000000
0.50000    8010.385     .000000     .000000     .000000     .000000     .000000
1.00000    8004.940     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8015.829     .000000     .000000     .000000     .000000     .000000
0.50000   -8010.385     .000000     .000000     .000000     .000000     .000000
1.00000   -8004.940     .000000     .000000     .000000     .000000     .000000

ELEM      72 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7385.185     .000000     .000000     .000000     .000000     .000000
0.50000    7379.741     .000000     .000000     .000000     .000000     .000000
1.00000    7374.296     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7385.185     .000000     .000000     .000000     .000000     .000000
0.50000   -7379.741     .000000     .000000     .000000     .000000     .000000
1.00000   -7374.296     .000000     .000000     .000000     .000000     .000000

ELEM      73 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7340.450     .000000     .000000     .000000     .000000     .000000
0.50000    7335.006     .000000     .000000     .000000     .000000     .000000
1.00000    7329.561     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7340.450     .000000     .000000     .000000     .000000     .000000
0.50000   -7335.006     .000000     .000000     .000000     .000000     .000000
1.00000   -7329.561     .000000     .000000     .000000     .000000     .000000

ELEM      74 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6707.835     .000000     .000000     .000000     .000000     .000000
0.50000    6702.390     .000000     .000000     .000000     .000000     .000000
1.00000    6696.946     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000   -6707.835     .000000     .000000     .000000     .000000     .000000
0.50000   -6702.390     .000000     .000000     .000000     .000000     .000000
1.00000   -6696.946     .000000     .000000     .000000     .000000     .000000

ELEM      76 ================== LENGTH =   34.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6022.835     .000000     .000000     .000000     .000000     .000000
0.50000    6018.929     .000000     .000000     .000000     .000000     .000000
1.00000    6015.023     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6022.835     .000000     .000000     .000000     .000000     .000000
0.50000   -6018.929     .000000     .000000     .000000     .000000     .000000
1.00000   -6015.023     .000000     .000000     .000000     .000000     .000000

ELEM      77 ================== LENGTH =   88.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1559.091     .000000     .000000     .000000     .000000     .000000
0.50000    1549.045     .000000     .000000     .000000     .000000     .000000
1.00000    1539.000     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1559.091     .000000     .000000     .000000     .000000     .000000
0.50000   -1549.045     .000000     .000000     .000000     .000000     .000000
1.00000   -1539.000     .000000     .000000     .000000     .000000     .000000

ELEM      78 ================== LENGTH =   12.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  273.506089  142.666695    1.29E-14     .000000     .000000     .000000
0.25000  273.506089  142.083361    1.29E-14     .000000    3.87E-14  427.125084
0.50000  273.506089  141.500028    1.28E-14     .000000    7.72E-14  852.500169
0.75000  273.506089  140.916695    1.27E-14     .000000    1.15E-13    1276.125
1.00000  273.506089  140.333361    1.27E-14     .000000    1.54E-13    1698.000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -273.506089 -142.666695   -1.29E-14     .000000     .000000     .000000
0.25000 -273.506089 -142.083361   -1.29E-14     .000000   -3.87E-14 -427.125084
0.50000 -273.506089 -141.500028   -1.28E-14     .000000   -7.72E-14 -852.500169
0.75000 -273.506089 -140.916695   -1.27E-14     .000000   -1.15E-13   -1276.125
1.00000 -273.506089 -140.333361   -1.27E-14     .000000   -1.54E-13   -1698.000

ELEM      79 ================== LENGTH =   15.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
```

0.00000	1018.550	266.458345	2.40E-14	.000000	.000000	.000000
0.25000	1018.550	265.729178	2.39E-14	.000000	8.98E-14	997.851606
0.50000	1018.550	265.000011	2.38E-14	.000000	1.79E-13	1992.969
0.75000	1018.550	264.270845	2.37E-14	.000000	2.69E-13	2985.352
1.00000	1018.550	263.541678	2.36E-14	.000000	3.57E-13	3975.000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1018.550	-266.458345	-2.40E-14	.000000	.000000	.000000
0.25000	-1018.550	-265.729178	-2.39E-14	.000000	-8.98E-14	-997.851606
0.50000	-1018.550	-265.000011	-2.38E-14	.000000	-1.79E-13	-1992.969
0.75000	-1018.550	-264.270845	-2.37E-14	.000000	-2.69E-13	-2985.352
1.00000	-1018.550	-263.541678	-2.36E-14	.000000	-3.57E-13	-3975.000

ELEM 80 ========== LENGTH = 15.487600

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	117.437327	245.547338	2.21E-14	.000000	.000000	.000000
0.25000	117.437327	244.794469	2.20E-14	.000000	8.54E-14	949.277221
0.50000	117.437327	244.041599	2.19E-14	.000000	1.70E-13	1895.639
0.75000	117.437327	243.288730	2.18E-14	.000000	2.55E-13	2839.087
1.00000	117.437327	242.535860	2.17E-14	.000000	3.40E-13	3779.619

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-117.437327	-245.547338	-2.21E-14	.000000	.000000	.000000
0.25000	-117.437327	-244.794469	-2.20E-14	.000000	-8.54E-14	-949.277221
0.50000	-117.437327	-244.041599	-2.19E-14	.000000	-1.70E-13	-1895.639
0.75000	-117.437327	-243.288730	-2.18E-14	.000000	-2.55E-13	-2839.087
1.00000	-117.437327	-242.535860	-2.17E-14	.000000	-3.40E-13	-3779.619

ELEM 81 ========== LENGTH = 14.462800

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	151.994774	235.820612	2.13E-14	.000000	.000000	.000000
0.25000	151.994774	235.117559	2.12E-14	.000000	7.67E-14	851.385571
0.50000	151.994774	234.414506	2.11E-14	.000000	1.53E-13	1700.229
0.75000	151.994774	233.711453	2.10E-14	.000000	2.29E-13	2546.531
1.00000	151.994774	233.008400	2.09E-14	.000000	3.05E-13	3390.290

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-151.994774	-235.820612	-2.13E-14	.000000	.000000	.000000
0.25000	-151.994774	-235.117559	-2.12E-14	.000000	-7.67E-14	-851.385571
0.50000	-151.994774	-234.414506	-2.11E-14	.000000	-1.53E-13	-1700.229
0.75000	-151.994774	-233.711453	-2.10E-14	.000000	-2.29E-13	-2546.531
1.00000	-151.994774	-233.008400	-2.09E-14	.000000	-3.05E-13	-3390.290

ELEM 82 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	273.506089	48.333361	4.44E-15	.000000	1.50E-13	1697.997
0.25000	273.506089	47.166695	4.30E-15	.000000	1.76E-13	1984.497
0.50000	273.506089	46.000028	4.16E-15	.000000	2.02E-13	2263.996

```
0.75000  273.506089   44.833361    4.02E-15     .000000    2.26E-13    2536.497
1.00000  273.506089   43.666695    4.02E-15     .000000    2.50E-13    2801.997

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -273.506089  -48.333361   -4.44E-15     .000000   -1.50E-13   -1697.997
0.25000 -273.506089  -47.166695   -4.30E-15     .000000   -1.76E-13   -1984.497
0.50000 -273.506089  -46.000028   -4.16E-15     .000000   -2.02E-13   -2263.996
0.75000 -273.506089  -44.833361   -4.02E-15     .000000   -2.26E-13   -2536.497
1.00000 -273.506089  -43.666695   -4.02E-15     .000000   -2.50E-13   -2801.997

ELEM      83 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1018.550   62.541678    5.73E-15     .000000    3.52E-13    3974.994
0.25000    1018.550   61.375011    5.59E-15     .000000    3.86E-13    4346.743
0.50000    1018.550   60.208344    5.45E-15     .000000    4.19E-13    4711.493
0.75000    1018.550   59.041678    5.31E-15     .000000    4.52E-13    5069.243
1.00000    1018.550   59.041681    5.41E-15     .000000    4.83E-13    5419.993

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1018.550  -62.541678   -5.73E-15     .000000   -3.52E-13   -3974.994
0.25000   -1018.550  -61.375011   -5.59E-15     .000000   -3.86E-13   -4346.743
0.50000   -1018.550  -60.208344   -5.45E-15     .000000   -4.19E-13   -4711.493
0.75000   -1018.550  -59.041678   -5.31E-15     .000000   -4.52E-13   -5069.243
1.00000   -1018.550  -59.041681   -5.41E-15     .000000   -4.83E-13   -5419.993

ELEM      84 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  117.437327   55.535860    5.10E-15     .000000    3.35E-13    3779.613
0.25000  117.437327   54.369193    4.95E-15     .000000    3.65E-13    4109.327
0.50000  117.437327   53.202527    4.81E-15     .000000    3.94E-13    4432.042
0.75000  117.437327   52.035860    4.67E-15     .000000    4.23E-13    4747.757
1.00000  117.437327   52.225486    4.80E-15     .000000    4.51E-13    5056.472

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -117.437327  -55.535860   -5.10E-15     .000000   -3.35E-13   -3779.613
0.25000 -117.437327  -54.369193   -4.95E-15     .000000   -3.65E-13   -4109.327
0.50000 -117.437327  -53.202527   -4.81E-15     .000000   -3.94E-13   -4432.042
0.75000 -117.437327  -52.035860   -4.67E-15     .000000   -4.23E-13   -4747.757
1.00000 -117.437327  -52.225486   -4.80E-15     .000000   -4.51E-13   -5056.472

ELEM      85 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1.431562    7.000001    8.48E-16     .000000     .000000     .000000
0.25000    1.431562    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000    1.431562    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000    1.431562    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000    1.431562    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13
```

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1.431562	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	-1.431562	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	-1.431562	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	-1.431562	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	-1.431562	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 86 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1.187251	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	1.187251	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	1.187251	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	1.187251	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	1.187251	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1.187251	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	-1.187251	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	-1.187251	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	-1.187251	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	-1.187251	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 87 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9.875320	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	9.875320	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	9.875320	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	9.875320	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	9.875320	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9.875320	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	-9.875320	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	-9.875320	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	-9.875320	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	-9.875320	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 90 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	293.172301	11.000001	1.33E-15	.000000	.000000	.000000
0.25000	293.172301	5.500000	6.66E-16	.000000	1.80E-14	148.500012
0.50000	293.172301	3.55E-15	5.92E-31	.000000	2.40E-14	198.000016
0.75000	293.172301	5.500000	6.66E-16	.000000	1.80E-14	148.500012
1.00000	293.172301	11.000001	1.33E-15	.000000	4.02E-29	2.27E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3

0.00000	-293.172301	-11.000001	-1.33E-15	.000000	.000000	.000000
0.25000	-293.172301	-5.500000	-6.66E-16	.000000	-1.80E-14	-148.500012
0.50000	-293.172301	-3.55E-15	-5.92E-31	.000000	-2.40E-14	-198.000016
0.75000	-293.172301	-5.500000	-6.66E-16	.000000	-1.80E-14	-148.500012
1.00000	-293.172301	-11.000001	-1.33E-15	.000000	-4.02E-29	-2.27E-13

ELEM 91 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	273.506089	48.333379	4.44E-15	.000000	2.50E-13	2801.997
0.25000	273.506089	49.500046	4.44E-15	.000000	2.24E-13	2508.497
0.50000	273.506089	50.666712	4.58E-15	.000000	1.97E-13	2207.996
0.75000	273.506089	51.833379	4.73E-15	.000000	1.69E-13	1900.497
1.00000	273.506089	53.000046	4.87E-15	.000000	1.40E-13	1585.997

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-273.506089	-48.333379	-4.44E-15	.000000	-2.50E-13	-2801.997
0.25000	-273.506089	-49.500046	-4.44E-15	.000000	-2.24E-13	-2508.497
0.50000	-273.506089	-50.666712	-4.58E-15	.000000	-1.97E-13	-2207.996
0.75000	-273.506089	-51.833379	-4.73E-15	.000000	-1.69E-13	-1900.497
1.00000	-273.506089	-53.000046	-4.87E-15	.000000	-1.40E-13	-1585.997

ELEM 92 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	473.725800	63.000056	5.69E-15	.000000	.000000	.000000
0.25000	473.725800	61.833389	5.54E-15	.000000	3.37E-14	374.500334
0.50000	473.725800	60.666722	5.40E-15	.000000	6.65E-14	742.000667
0.75000	473.725800	59.500055	5.26E-15	.000000	9.85E-14	1102.501
1.00000	473.725800	58.333389	5.12E-15	.000000	1.30E-13	1456.001

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-473.725800	-63.000056	-5.69E-15	.000000	.000000	.000000
0.25000	-473.725800	-61.833389	-5.54E-15	.000000	-3.37E-14	-374.500334
0.50000	-473.725800	-60.666722	-5.40E-15	.000000	-6.65E-14	-742.000667
0.75000	-473.725800	-59.500055	-5.26E-15	.000000	-9.85E-14	-1102.501
1.00000	-473.725800	-58.333389	-5.12E-15	.000000	-1.30E-13	-1456.001

ELEM 93 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1018.550	114.125099	1.03E-14	.000000	4.84E-13	5419.994
0.25000	1018.550	115.291765	1.04E-14	.000000	4.22E-13	4731.743
0.50000	1018.550	116.458432	1.05E-14	.000000	3.59E-13	4036.493
0.75000	1018.550	117.625099	1.07E-14	.000000	2.96E-13	3334.243
1.00000	1018.550	118.791766	1.08E-14	.000000	2.31E-13	2624.993

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1018.550	-114.125099	-1.03E-14	.000000	-4.84E-13	-5419.994
0.25000	-1018.550	-115.291765	-1.04E-14	.000000	-4.22E-13	-4731.743
0.50000	-1018.550	-116.458432	-1.05E-14	.000000	-3.59E-13	-4036.493

```
0.75000   -1018.550 -117.625099   -1.07E-14     .000000   -2.96E-13   -3334.243
1.00000   -1018.550 -118.791766   -1.08E-14     .000000   -2.31E-13   -2624.993

ELEM      94 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  117.437327  150.791197    1.36E-14     .000000    4.52E-13    5056.473
0.25000  117.437327  151.957864    1.37E-14     .000000    3.78E-13    4236.188
0.50000  117.437327  153.124531    1.39E-14     .000000    3.03E-13    3408.902
0.75000  117.437327  154.291197    1.40E-14     .000000    2.28E-13    2574.618
1.00000  117.437327  155.457864    1.41E-14     .000000    1.51E-13    1733.333

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -117.437327 -150.791197   -1.36E-14     .000000   -4.52E-13   -5056.473
0.25000 -117.437327 -151.957864   -1.37E-14     .000000   -3.78E-13   -4236.188
0.50000 -117.437327 -153.124531   -1.39E-14     .000000   -3.03E-13   -3408.902
0.75000 -117.437327 -154.291197   -1.40E-14     .000000   -2.28E-13   -2574.618
1.00000 -117.437327 -155.457864   -1.41E-14     .000000   -1.51E-13   -1733.333

ELEM      95 ================== LENGTH =   12.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  273.506089  131.000046    1.18E-14     .000000    1.43E-13    1586.001
0.25000  273.506089  131.583379    1.19E-14     .000000    1.08E-13    1192.125
0.50000  273.506089  132.166713    1.19E-14     .000000    7.21E-14  796.500276
0.75000  273.506089  132.750046    1.20E-14     .000000    3.62E-14  399.125138
1.00000  273.506089  133.333379    1.21E-14     .000000    2.41E-28    5.69E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -273.506089 -131.000046   -1.18E-14     .000000   -1.43E-13   -1586.001
0.25000 -273.506089 -131.583379   -1.19E-14     .000000   -1.08E-13   -1192.125
0.50000 -273.506089 -132.166713   -1.19E-14     .000000   -7.21E-14 -796.500276
0.75000 -273.506089 -132.750046   -1.20E-14     .000000   -3.62E-14 -399.125138
1.00000 -273.506089 -133.333379   -1.21E-14     .000000   -2.41E-28   -5.69E-13

ELEM      96 ================== LENGTH =    9.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1018.550  290.791766    2.66E-14     .000000    2.40E-13    2625.001
0.25000    1018.550  291.229266    2.66E-14     .000000    1.80E-13    1970.227
0.50000    1018.550  291.666766    2.67E-14     .000000    1.20E-13    1314.469
0.75000    1018.550  292.104266    2.67E-14     .000000    6.02E-14  657.726786
1.00000    1018.550  292.541766    2.68E-14     .000000    1.20E-28    9.41E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1018.550 -290.791766   -2.66E-14     .000000   -2.40E-13   -2625.001
0.25000   -1018.550 -291.229266   -2.66E-14     .000000   -1.80E-13   -1970.227
0.50000   -1018.550 -291.666766   -2.67E-14     .000000   -1.20E-13   -1314.469
0.75000   -1018.550 -292.104266   -2.67E-14     .000000   -6.02E-14 -657.726786
1.00000   -1018.550 -292.541766   -2.68E-14     .000000   -1.20E-28   -9.41E-13
```

ELEM 97 ========== LENGTH = 8.512400

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	117.437327	202.797620	1.86E-14	.000000	1.59E-13	1733.339
0.25000	117.437327	203.211418	1.86E-14	.000000	1.19E-13	1301.325
0.50000	117.437327	203.625215	1.87E-14	.000000	7.98E-14	868.430844
0.75000	117.437327	204.039012	1.87E-14	.000000	3.99E-14	434.655723
1.00000	117.437327	204.452809	1.88E-14	.000000	4.26E-28	7.25E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-117.437327	-202.797620	-1.86E-14	.000000	-1.59E-13	-1733.339
0.25000	-117.437327	-203.211418	-1.86E-14	.000000	-1.19E-13	-1301.325
0.50000	-117.437327	-203.625215	-1.87E-14	.000000	-7.98E-14	-868.430844
0.75000	-117.437327	-204.039012	-1.87E-14	.000000	-3.99E-14	-434.655723
1.00000	-117.437327	-204.452809	-1.88E-14	.000000	-4.26E-28	-7.25E-13

ELEM 98 ========== LENGTH = 50.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1590.869	0.583446	.000000	.000000	.000000	1.60E-05
0.50000	1585.141	0.583446	.000000	.000000	.000000	14.732001
1.00000	1579.413	0.583446	.000000	.000000	.000000	29.464011

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1590.869	-0.583446	.000000	.000000	.000000	-1.60E-05
0.50000	-1585.141	-0.583446	.000000	.000000	.000000	-14.732001
1.00000	-1579.413	-0.583446	.000000	.000000	.000000	-29.464011

ELEM 99 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1565.413	1.416039	.000000	.000000	.000000	29.464045
0.50000	1559.968	1.416039	.000000	.000000	.000000	4.520888
1.00000	1554.524	1.416039	.000000	.000000	.000000	38.505822

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1565.413	-1.416039	.000000	.000000	.000000	-29.464045
0.50000	-1559.968	-1.416039	.000000	.000000	.000000	-4.520888
1.00000	-1554.524	-1.416039	.000000	.000000	.000000	-38.505822

ELEM 100 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1547.524	0.228788	.000000	.000000	.000000	38.505800
0.50000	1542.079	0.228788	.000000	.000000	.000000	43.996700
1.00000	1536.635	0.228788	.000000	.000000	.000000	49.487601

COMBDEADLOAD ---------- MIN

```
REL DIST          P          V2          V3           T          M2          M3
0.00000   -1547.524   -0.228788     .000000     .000000     .000000  -38.505800
0.50000   -1542.079   -0.228788     .000000     .000000     .000000  -43.996700
1.00000   -1536.635   -0.228788     .000000     .000000     .000000  -49.487601

ELEM     101 ================== LENGTH =   15.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1522.635    3.142084     .000000     .000000     .000000   49.487699
0.50000    1520.848    3.142084     .000000     .000000     .000000   24.743789
1.00000    1519.062    3.142084     .000000     .000000     .000000    0.000121

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1522.635   -3.142084     .000000     .000000     .000000  -49.487699
0.50000   -1520.848   -3.142084     .000000     .000000     .000000  -24.743789
1.00000   -1519.062   -3.142084     .000000     .000000     .000000   -0.000121

ELEM     102 ================== LENGTH =   80.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1281.229     .000000     .000000     .000000     .000000     .000000
0.50000    1272.069     .000000     .000000     .000000     .000000     .000000
1.00000    1262.910     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1281.229     .000000     .000000     .000000     .000000     .000000
0.50000   -1272.069     .000000     .000000     .000000     .000000     .000000
1.00000   -1262.910     .000000     .000000     .000000     .000000     .000000

ELEM     103 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  890.535161     .000000     .000000     .000000     .000000     .000000
0.50000  879.646271     .000000     .000000     .000000     .000000     .000000
1.00000  868.757381     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -890.535161     .000000     .000000     .000000     .000000     .000000
0.50000 -879.646271     .000000     .000000     .000000     .000000     .000000
1.00000 -868.757381     .000000     .000000     .000000     .000000     .000000

ELEM     104 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  605.637888     .000000     .000000     .000000     .000000     .000000
0.50000  594.748998     .000000     .000000     .000000     .000000     .000000
1.00000  583.860108     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000 -605.637888     .000000     .000000     .000000     .000000     .000000
0.50000 -594.748998     .000000     .000000     .000000     .000000     .000000
1.00000 -583.860108     .000000     .000000     .000000     .000000     .000000

ELEM     106 ================== LENGTH =  110.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   49.902782     .000000     .000000     .000000     .000000     .000000
0.50000   37.425929     .000000     .000000     .000000     .000000     .000000
1.00000   24.949076     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -49.902782     .000000     .000000     .000000     .000000     .000000
0.50000  -37.425929     .000000     .000000     .000000     .000000     .000000
1.00000  -24.949076     .000000     .000000     .000000     .000000     .000000

ELEM     107 ================== LENGTH =   13.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   24.949076     .000000     .000000     .000000     .000000     .000000
0.50000   23.474539     .000000     .000000     .000000     .000000     .000000
1.00000   22.000002     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -24.949076     .000000     .000000     .000000     .000000     .000000
0.50000  -23.474539     .000000     .000000     .000000     .000000     .000000
1.00000  -22.000002     .000000     .000000     .000000     .000000     .000000

ELEM     108 ================== LENGTH =   12.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  270.364005  104.500028    9.48E-15     .000000     .000000     .000000
0.25000  270.364005  103.916694    9.41E-15     .000000    2.83E-14  312.625084
0.50000  270.364005  103.333361    9.34E-15     .000000    5.65E-14  623.500167
0.75000  270.364005  102.750028    9.27E-15     .000000    8.44E-14  932.625250
1.00000  270.364005  102.166694    9.20E-15     .000000    1.12E-13    1240.000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -270.364005 -104.500028   -9.48E-15     .000000     .000000     .000000
0.25000 -270.364005 -103.916694   -9.41E-15     .000000   -2.83E-14 -312.625084
0.50000 -270.364005 -103.333361   -9.34E-15     .000000   -5.65E-14 -623.500167
0.75000 -270.364005 -102.750028   -9.27E-15     .000000   -8.44E-14 -932.625250
1.00000 -270.364005 -102.166694   -9.20E-15     .000000   -1.12E-13   -1240.000

ELEM     109 ================== LENGTH =   12.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
```

0.00000	117.437327	58.666688	5.33E-15	.000000	.000000	.000000
0.25000	117.437327	58.083354	5.26E-15	.000000	1.59E-14	175.125063
0.50000	117.437327	57.500021	5.19E-15	.000000	3.16E-14	348.500127
0.75000	117.437327	56.916688	5.12E-15	.000000	4.71E-14	520.125190
1.00000	117.437327	56.333354	5.05E-15	.000000	6.23E-14	690.000253

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-117.437327	-58.666688	-5.33E-15	.000000	.000000	.000000
0.25000	-117.437327	-58.083354	-5.26E-15	.000000	-1.59E-14	-175.125063
0.50000	-117.437327	-57.500021	-5.19E-15	.000000	-3.16E-14	-348.500127
0.75000	-117.437327	-56.916688	-5.12E-15	.000000	-4.71E-14	-520.125190
1.00000	-117.437327	-56.333354	-5.05E-15	.000000	-6.23E-14	-690.000253

ELEM 110 ========== LENGTH = 26.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1018.550	79.833353	7.19E-15	.000000	.000000	.000000
0.25000	1018.550	78.569464	7.04E-15	.000000	4.62E-14	514.809158
0.50000	1018.550	77.305575	6.88E-15	.000000	9.15E-14	1021.403
0.75000	1018.550	76.041687	6.73E-15	.000000	1.36E-13	1519.782
1.00000	1018.550	74.777798	6.58E-15	.000000	1.79E-13	2009.945

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1018.550	-79.833353	-7.19E-15	.000000	.000000	.000000
0.25000	-1018.550	-78.569464	-7.04E-15	.000000	-4.62E-14	-514.809158
0.50000	-1018.550	-77.305575	-6.88E-15	.000000	-9.15E-14	-1021.403
0.75000	-1018.550	-76.041687	-6.73E-15	.000000	-1.36E-13	-1519.782
1.00000	-1018.550	-74.777798	-6.58E-15	.000000	-1.79E-13	-2009.945

ELEM 111 ========== LENGTH = 30.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	270.364005	50.166685	4.60E-15	.000000	1.10E-13	1239.998
0.25000	270.364005	48.708352	4.43E-15	.000000	1.26E-13	1415.779
0.50000	270.364005	47.250018	4.25E-15	.000000	1.41E-13	1580.623
0.75000	270.364005	45.791685	4.11E-15	.000000	1.55E-13	1734.530
1.00000	270.364005	46.666682	4.29E-15	.000000	1.67E-13	1877.499

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-270.364005	-50.166685	-4.60E-15	.000000	-1.10E-13	-1239.998
0.25000	-270.364005	-48.708352	-4.43E-15	.000000	-1.26E-13	-1415.779
0.50000	-270.364005	-47.250018	-4.25E-15	.000000	-1.41E-13	-1580.623
0.75000	-270.364005	-45.791685	-4.11E-15	.000000	-1.55E-13	-1734.530
1.00000	-270.364005	-46.666682	-4.29E-15	.000000	-1.67E-13	-1877.499

ELEM 112 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	3.431047	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	3.431047	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	3.431047	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010

```
0.75000    3.431047    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000    3.431047    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3.431047   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000   -3.431047   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000   -3.431047   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000   -3.431047   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000   -3.431047   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     113 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   13.246191    7.000001    8.48E-16     .000000     .000000     .000000
0.25000   13.246191    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000   13.246191    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000   13.246191    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000   13.246191    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -13.246191   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000  -13.246191   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000  -13.246191   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000  -13.246191   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000  -13.246191   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     115 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  151.994774    7.000001    8.48E-16     .000000     .000000     .000000
0.25000  151.994774    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000  151.994774    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000  151.994774    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000  151.994774    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -151.994774   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000 -151.994774   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000 -151.994774   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000 -151.994774   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000 -151.994774   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     116 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  473.725799    7.000001    8.48E-16     .000000     .000000     .000000
0.25000  473.725799    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000  473.725799    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000  473.725799    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000  473.725799    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13
```

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-473.725799	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	-473.725799	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	-473.725799	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	-473.725799	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	-473.725799	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 118 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	293.172301	11.000001	1.33E-15	.000000	.000000	.000000
0.25000	293.172301	5.500000	6.66E-16	.000000	1.80E-14	148.500012
0.50000	293.172301	3.55E-15	5.92E-31	.000000	2.40E-14	198.000016
0.75000	293.172301	5.500000	6.66E-16	.000000	1.80E-14	148.500012
1.00000	293.172301	11.000001	1.33E-15	.000000	4.02E-29	2.27E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-293.172301	-11.000001	-1.33E-15	.000000	.000000	.000000
0.25000	-293.172301	-5.500000	-6.66E-16	.000000	-1.80E-14	-148.500012
0.50000	-293.172301	-3.55E-15	-5.92E-31	.000000	-2.40E-14	-198.000016
0.75000	-293.172301	-5.500000	-6.66E-16	.000000	-1.80E-14	-148.500012
1.00000	-293.172301	-11.000001	-1.33E-15	.000000	-4.02E-29	-2.27E-13

ELEM 119 ========== LENGTH = 60.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	117.437327	15.000004	1.57E-15	.000000	5.86E-14	689.999961
0.25000	117.437327	12.083337	1.22E-15	.000000	5.19E-14	583.124976
0.50000	117.437327	11.499999	9.77E-16	.000000	3.99E-14	432.499987
0.75000	117.437327	14.416666	1.33E-15	.000000	2.26E-14	238.124995
1.00000	117.437327	17.333333	1.68E-15	.000000	1.63E-29	2.90E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-117.437327	-15.000004	-1.57E-15	.000000	-5.86E-14	-689.999961
0.25000	-117.437327	-12.083337	-1.22E-15	.000000	-5.19E-14	-583.124976
0.50000	-117.437327	-11.499999	-9.77E-16	.000000	-3.99E-14	-432.499987
0.75000	-117.437327	-14.416666	-1.33E-15	.000000	-2.26E-14	-238.124995
1.00000	-117.437327	-17.333333	-1.68E-15	.000000	-1.63E-29	-2.90E-13

ELEM 120 ========== LENGTH = 46.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1018.550	43.111109	4.02E-15	.000000	1.77E-13	2009.944
0.25000	1018.550	41.458329	3.75E-15	.000000	1.38E-13	1546.031
0.50000	1018.550	43.694440	3.86E-15	.000000	9.49E-14	1056.403
0.75000	1018.550	45.930551	4.13E-15	.000000	4.90E-14	541.058979
1.00000	1018.550	48.166662	4.40E-15	.000000	1.02E-29	4.79E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3

```
0.00000   -1018.550  -43.111109   -4.02E-15     .000000   -1.77E-13   -2009.944
0.25000   -1018.550  -41.458329   -3.75E-15     .000000   -1.38E-13   -1546.031
0.50000   -1018.550  -43.694440   -3.86E-15     .000000   -9.49E-14   -1056.403
0.75000   -1018.550  -45.930551   -4.13E-15     .000000   -4.90E-14 -541.058979
1.00000   -1018.550  -48.166662   -4.40E-15     .000000   -1.02E-29   -4.79E-13

ELEM     121 ================== LENGTH =   30.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  270.364005   59.666655    5.23E-15     .000000    1.67E-13    1877.500
0.25000  270.364005   61.124988    5.38E-15     .000000    1.27E-13    1424.531
0.50000  270.364005   62.583322    5.56E-15     .000000    8.61E-14  960.624830
0.75000  270.364005   64.041655    5.74E-15     .000000    4.37E-14  485.781165
1.00000  270.364005   65.499989    5.91E-15     .000000    3.33E-29    1.74E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -270.364005  -59.666655   -5.23E-15     .000000   -1.67E-13   -1877.500
0.25000 -270.364005  -61.124988   -5.38E-15     .000000   -1.27E-13   -1424.531
0.50000 -270.364005  -62.583322   -5.56E-15     .000000   -8.61E-14 -960.624830
0.75000 -270.364005  -64.041655   -5.74E-15     .000000   -4.37E-14 -485.781165
1.00000 -270.364005  -65.499989   -5.91E-15     .000000   -3.33E-29   -1.74E-13

ELEM     122 ================== LENGTH =   50.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2824.361    0.131378     .000000     .000000     .000000    7.62E-06
0.50000    2818.633    0.131378     .000000     .000000     .000000    3.317297
1.00000    2812.905    0.131378     .000000     .000000     .000000    6.634593

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2824.361   -0.131378     .000000     .000000     .000000   -7.62E-06
0.50000   -2818.633   -0.131378     .000000     .000000     .000000   -3.317297
1.00000   -2812.905   -0.131378     .000000     .000000     .000000   -6.634593

ELEM     123 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2798.905    0.288484     .000000     .000000     .000000    6.634604
0.50000    2788.016    0.288484     .000000     .000000     .000000    7.212644
1.00000    2777.127    0.288484     .000000     .000000     .000000   21.059893

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2798.905   -0.288484     .000000     .000000     .000000   -6.634604
0.50000   -2788.016   -0.288484     .000000     .000000     .000000   -7.212644
1.00000   -2777.127   -0.288484     .000000     .000000     .000000  -21.059893

ELEM     124 ================== LENGTH =   15.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000    2763.127    1.337140     .000000     .000000     .000000   21.059921
0.50000    2761.341    1.337140     .000000     .000000     .000000   10.529942
1.00000    2759.554    1.337140     .000000     .000000     .000000    3.89E-05

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2763.127   -1.337140     .000000     .000000     .000000  -21.059921
0.50000   -2761.341   -1.337140     .000000     .000000     .000000  -10.529942
1.00000   -2759.554   -1.337140     .000000     .000000     .000000   -3.89E-05

ELEM     125 ================== LENGTH =   80.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2687.054     .000000     .000000     .000000     .000000     .000000
0.50000    2677.895     .000000     .000000     .000000     .000000     .000000
1.00000    2668.736     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2687.054     .000000     .000000     .000000     .000000     .000000
0.50000   -2677.895     .000000     .000000     .000000     .000000     .000000
1.00000   -2668.736     .000000     .000000     .000000     .000000     .000000

ELEM     126 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2613.569     .000000     .000000     .000000     .000000     .000000
0.50000    2602.681     .000000     .000000     .000000     .000000     .000000
1.00000    2591.792     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2613.569     .000000     .000000     .000000     .000000     .000000
0.50000   -2602.681     .000000     .000000     .000000     .000000     .000000
1.00000   -2591.792     .000000     .000000     .000000     .000000     .000000

ELEM     127 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2567.458     .000000     .000000     .000000     .000000     .000000
0.50000    2556.569     .000000     .000000     .000000     .000000     .000000
1.00000    2545.681     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2567.458     .000000     .000000     .000000     .000000     .000000
0.50000   -2556.569     .000000     .000000     .000000     .000000     .000000
1.00000   -2545.681     .000000     .000000     .000000     .000000     .000000

ELEM     129 ================== LENGTH =  123.000000

COMBDEADLOAD ------------------ MAX
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	1921.903	.000000	.000000	.000000	.000000	.000000
0.50000	1907.951	.000000	.000000	.000000	.000000	.000000
1.00000	1894.000	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1921.903	.000000	.000000	.000000	.000000	.000000
0.50000	-1907.951	.000000	.000000	.000000	.000000	.000000
1.00000	-1894.000	.000000	.000000	.000000	.000000	.000000

ELEM 132 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	3.850909	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	3.850909	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	3.850909	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	3.850909	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	3.850909	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-3.850909	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	-3.850909	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	-3.850909	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	-3.850909	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	-3.850909	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 133 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	14.871816	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	14.871816	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	14.871816	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	14.871816	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	14.871816	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-14.871816	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	-14.871816	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	-14.871816	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	-14.871816	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	-14.871816	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 134 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	269.026865	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	269.026865	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	269.026865	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	269.026865	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	269.026865	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-269.026865	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	-269.026865	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	-269.026865	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	-269.026865	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	-269.026865	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 135 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1018.550	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	1018.550	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	1018.550	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	1018.550	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	1018.550	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1018.550	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	-1018.550	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	-1018.550	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	-1018.550	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	-1018.550	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 136 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	117.437327	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	117.437327	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	117.437327	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	117.437327	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	117.437327	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-117.437327	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	-117.437327	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	-117.437327	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	-117.437327	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	-117.437327	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 137 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	151.994774	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	151.994774	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	151.994774	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	151.994774	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	151.994774	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3

```
0.00000 -151.994774   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000 -151.994774   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000 -151.994774   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000 -151.994774   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000 -151.994774   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     138 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  473.725799    7.000001    8.48E-16     .000000     .000000     .000000
0.25000  473.725799    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000  473.725799    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000  473.725799    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000  473.725799    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -473.725799   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000 -473.725799   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000 -473.725799   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000 -473.725799   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000 -473.725799   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     139 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  293.172301   11.000001    1.33E-15     .000000     .000000     .000000
0.25000  293.172301    5.500000    6.66E-16     .000000    1.80E-14  148.500012
0.50000  293.172301    3.55E-15    5.92E-31     .000000    2.40E-14  198.000016
0.75000  293.172301    5.500000    6.66E-16     .000000    1.80E-14  148.500012
1.00000  293.172301   11.000001    1.33E-15     .000000    4.02E-29    2.27E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -293.172301  -11.000001   -1.33E-15     .000000     .000000     .000000
0.25000 -293.172301   -5.500000   -6.66E-16     .000000   -1.80E-14 -148.500012
0.50000 -293.172301   -3.55E-15   -5.92E-31     .000000   -2.40E-14 -198.000016
0.75000 -293.172301   -5.500000   -6.66E-16     .000000   -1.80E-14 -148.500012
1.00000 -293.172301  -11.000001   -1.33E-15     .000000   -4.02E-29   -2.27E-13

ELEM     142 ================== LENGTH =   50.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3333.361    0.131378     .000000     .000000     .000000    8.24E-06
0.50000    3327.633    0.131378     .000000     .000000     .000000    3.317295
1.00000    3321.905    0.131378     .000000     .000000     .000000    6.634598

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3333.361   -0.131378     .000000     .000000     .000000   -8.24E-06
0.50000   -3327.633   -0.131378     .000000     .000000     .000000   -3.317295
1.00000   -3321.905   -0.131378     .000000     .000000     .000000   -6.634598

ELEM     143 ================== LENGTH =   96.000000
```

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	3307.905	0.288484	.000000	.000000	.000000	6.634600
0.50000	3297.016	0.288484	.000000	.000000	.000000	7.212639
1.00000	3286.127	0.288484	.000000	.000000	.000000	21.059878

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-3307.905	-0.288484	.000000	.000000	.000000	-6.634600
0.50000	-3297.016	-0.288484	.000000	.000000	.000000	-7.212639
1.00000	-3286.127	-0.288484	.000000	.000000	.000000	-21.059878

ELEM 144 ========== LENGTH = 15.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	3272.127	1.337141	.000000	.000000	.000000	21.059916
0.50000	3270.341	1.337141	.000000	.000000	.000000	10.529934
1.00000	3268.554	1.337141	.000000	.000000	.000000	4.77E-05

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-3272.127	-1.337141	.000000	.000000	.000000	-21.059916
0.50000	-3270.341	-1.337141	.000000	.000000	.000000	-10.529934
1.00000	-3268.554	-1.337141	.000000	.000000	.000000	-4.77E-05

ELEM 145 ========== LENGTH = 80.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	3196.054	.000000	.000000	.000000	.000000	.000000
0.50000	3186.895	.000000	.000000	.000000	.000000	.000000
1.00000	3177.736	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-3196.054	.000000	.000000	.000000	.000000	.000000
0.50000	-3186.895	.000000	.000000	.000000	.000000	.000000
1.00000	-3177.736	.000000	.000000	.000000	.000000	.000000

ELEM 146 ========== LENGTH = 96.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	3122.569	.000000	.000000	.000000	.000000	.000000
0.50000	3111.681	.000000	.000000	.000000	.000000	.000000
1.00000	3100.792	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-3122.569	.000000	.000000	.000000	.000000	.000000
0.50000	-3111.681	.000000	.000000	.000000	.000000	.000000
1.00000	-3100.792	.000000	.000000	.000000	.000000	.000000

ELEM 147 ========== LENGTH = 96.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	3076.458	.000000	.000000	.000000	.000000	.000000
0.50000	3065.569	.000000	.000000	.000000	.000000	.000000
1.00000	3054.681	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-3076.458	.000000	.000000	.000000	.000000	.000000
0.50000	-3065.569	.000000	.000000	.000000	.000000	.000000
1.00000	-3054.681	.000000	.000000	.000000	.000000	.000000

ELEM 149 ========== LENGTH = 123.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1921.903	.000000	.000000	.000000	.000000	.000000
0.50000	1907.951	.000000	.000000	.000000	.000000	.000000
1.00000	1894.000	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1921.903	.000000	.000000	.000000	.000000	.000000
0.50000	-1907.951	.000000	.000000	.000000	.000000	.000000
1.00000	-1894.000	.000000	.000000	.000000	.000000	.000000

ELEM 150 ========== LENGTH = 30.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	270.364005	65.499991	5.91E-15	.000000	.000000	.000000
0.25000	270.364005	64.041657	5.74E-15	.000000	4.37E-14	485.781179
0.50000	270.364005	62.583324	5.56E-15	.000000	8.61E-14	960.624858
0.75000	270.364005	61.124990	5.38E-15	.000000	1.27E-13	1424.531
1.00000	270.364005	59.666657	5.23E-15	.000000	1.67E-13	1877.500

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-270.364005	-65.499991	-5.91E-15	.000000	.000000	.000000
0.25000	-270.364005	-64.041657	-5.74E-15	.000000	-4.37E-14	-485.781179
0.50000	-270.364005	-62.583324	-5.56E-15	.000000	-8.61E-14	-960.624858
0.75000	-270.364005	-61.124990	-5.38E-15	.000000	-1.27E-13	-1424.531
1.00000	-270.364005	-59.666657	-5.23E-15	.000000	-1.67E-13	-1877.500

ELEM 151 ========== LENGTH = 46.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1018.550	48.166664	4.40E-15	.000000	.000000	.000000
0.25000	1018.550	45.930553	4.13E-15	.000000	4.90E-14	541.058995
0.50000	1018.550	43.694441	3.86E-15	.000000	9.49E-14	1056.403
0.75000	1018.550	41.458330	3.75E-15	.000000	1.38E-13	1546.031
1.00000	1018.550	43.111110	4.02E-15	.000000	1.77E-13	2009.944

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1018.550	-48.166664	-4.40E-15	.000000	.000000	.000000
0.25000	-1018.550	-45.930553	-4.13E-15	.000000	-4.90E-14	-541.058995
0.50000	-1018.550	-43.694441	-3.86E-15	.000000	-9.49E-14	-1056.403
0.75000	-1018.550	-41.458330	-3.75E-15	.000000	-1.38E-13	-1546.031
1.00000	-1018.550	-43.111110	-4.02E-15	.000000	-1.77E-13	-2009.944

ELEM 152 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	3.431047	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	3.431047	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	3.431047	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	3.431047	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	3.431047	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-3.431047	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	-3.431047	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	-3.431047	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	-3.431047	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	-3.431047	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 153 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	13.246191	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	13.246191	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	13.246191	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	13.246191	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	13.246191	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-13.246191	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	-13.246191	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	-13.246191	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	-13.246191	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	-13.246191	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 154 ========== LENGTH = 31.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	151.994774	101.990430	9.26E-15	.000000	3.01E-13	3390.286
0.25000	151.994774	100.483485	9.08E-15	.000000	3.11E-13	3493.011
0.50000	151.994774	98.976540	8.90E-15	.000000	3.19E-13	3584.057
0.75000	151.994774	98.135684	8.87E-15	.000000	3.26E-13	3663.424
1.00000	151.994774	99.642629	9.05E-15	.000000	3.32E-13	3731.113

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3

0.00000	-151.994774	-101.990430	-9.26E-15	.000000	-3.01E-13	-3390.286
0.25000	-151.994774	-100.483485	-9.08E-15	.000000	-3.11E-13	-3493.011
0.50000	-151.994774	-98.976540	-8.90E-15	.000000	-3.19E-13	-3584.057
0.75000	-151.994774	-98.135684	-8.87E-15	.000000	-3.26E-13	-3663.424
1.00000	-151.994774	-99.642629	-9.05E-15	.000000	-3.32E-13	-3731.113

ELEM 156 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	151.994775	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	151.994775	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	151.994775	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	151.994775	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	151.994775	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-151.994775	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	-151.994775	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	-151.994775	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	-151.994775	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	-151.994775	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 157 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	473.725799	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	473.725799	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	473.725799	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	473.725799	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	473.725799	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-473.725799	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	-473.725799	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	-473.725799	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	-473.725799	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	-473.725799	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 159 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	293.172301	11.000001	1.33E-15	.000000	.000000	.000000
0.25000	293.172301	5.500000	6.66E-16	.000000	1.80E-14	148.500012
0.50000	293.172301	3.55E-15	5.92E-31	.000000	2.40E-14	198.000016
0.75000	293.172301	5.500000	6.66E-16	.000000	1.80E-14	148.500012
1.00000	293.172301	11.000001	1.33E-15	.000000	4.02E-29	2.27E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-293.172301	-11.000001	-1.33E-15	.000000	.000000	.000000
0.25000	-293.172301	-5.500000	-6.66E-16	.000000	-1.80E-14	-148.500012
0.50000	-293.172301	-3.55E-15	-5.92E-31	.000000	-2.40E-14	-198.000016

```
0.75000 -293.172301   -5.500000   -6.66E-16     .000000   -1.80E-14 -148.500012
1.00000 -293.172301  -11.000001   -1.33E-15     .000000   -4.02E-29   -2.27E-13

ELEM     160 ================== LENGTH =   30.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  270.364005   46.666684    4.29E-15     .000000    1.67E-13    1877.499
0.25000  270.364005   45.791687    4.11E-15     .000000    1.55E-13    1734.530
0.50000  270.364005   47.250020    4.25E-15     .000000    1.41E-13    1580.623
0.75000  270.364005   48.708354    4.43E-15     .000000    1.26E-13    1415.780
1.00000  270.364005   50.166687    4.60E-15     .000000    1.10E-13    1239.998

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -270.364005  -46.666684   -4.29E-15     .000000   -1.67E-13   -1877.499
0.25000 -270.364005  -45.791687   -4.11E-15     .000000   -1.55E-13   -1734.530
0.50000 -270.364005  -47.250020   -4.25E-15     .000000   -1.41E-13   -1580.623
0.75000 -270.364005  -48.708354   -4.43E-15     .000000   -1.26E-13   -1415.780
1.00000 -270.364005  -50.166687   -4.60E-15     .000000   -1.10E-13   -1239.998

ELEM     161 ================== LENGTH =   26.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1018.550   74.777799    6.58E-15     .000000    1.79E-13    2009.945
0.25000    1018.550   76.041688    6.73E-15     .000000    1.36E-13    1519.782
0.50000    1018.550   77.305577    6.88E-15     .000000    9.15E-14    1021.403
0.75000    1018.550   78.569466    7.04E-15     .000000    4.62E-14  514.809167
1.00000    1018.550   79.833355    7.19E-15     .000000    7.21E-29    9.13E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1018.550  -74.777799   -6.58E-15     .000000   -1.79E-13   -2009.945
0.25000   -1018.550  -76.041688   -6.73E-15     .000000   -1.36E-13   -1519.782
0.50000   -1018.550  -77.305577   -6.88E-15     .000000   -9.15E-14   -1021.403
0.75000   -1018.550  -78.569466   -7.04E-15     .000000   -4.62E-14 -514.809167
1.00000   -1018.550  -79.833355   -7.19E-15     .000000   -7.21E-29   -9.13E-13

ELEM     162 ================== LENGTH =   12.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  270.364005  102.166696    9.20E-15     .000000    1.12E-13    1240.000
0.25000  270.364005  102.750030    9.27E-15     .000000    8.44E-14  932.625267
0.50000  270.364005  103.333363    9.34E-15     .000000    5.65E-14  623.500178
0.75000  270.364005  103.916696    9.41E-15     .000000    2.83E-14  312.625089
1.00000  270.364005  104.500030    9.48E-15     .000000    9.98E-29    6.14E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -270.364005 -102.166696   -9.20E-15     .000000   -1.12E-13   -1240.000
0.25000 -270.364005 -102.750030   -9.27E-15     .000000   -8.44E-14 -932.625267
0.50000 -270.364005 -103.333363   -9.34E-15     .000000   -5.65E-14 -623.500178
0.75000 -270.364005 -103.916696   -9.41E-15     .000000   -2.83E-14 -312.625089
1.00000 -270.364005 -104.500030   -9.48E-15     .000000   -9.98E-29   -6.14E-13
```

ELEM 163 ========== LENGTH = 50.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1590.869	0.583446	.000000	.000000	.000000	1.88E-05
0.50000	1585.141	0.583446	.000000	.000000	.000000	14.731998
1.00000	1579.413	0.583446	.000000	.000000	.000000	29.464015

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1590.869	-0.583446	.000000	.000000	.000000	-1.88E-05
0.50000	-1585.141	-0.583446	.000000	.000000	.000000	-14.731998
1.00000	-1579.413	-0.583446	.000000	.000000	.000000	-29.464015

ELEM 164 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1565.413	1.416039	.000000	.000000	.000000	29.464039
0.50000	1559.968	1.416039	.000000	.000000	.000000	4.520886
1.00000	1554.524	1.416039	.000000	.000000	.000000	38.505811

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1565.413	-1.416039	.000000	.000000	.000000	-29.464039
0.50000	-1559.968	-1.416039	.000000	.000000	.000000	-4.520886
1.00000	-1554.524	-1.416039	.000000	.000000	.000000	-38.505811

ELEM 165 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1547.524	0.228787	.000000	.000000	.000000	38.505800
0.50000	1542.079	0.228787	.000000	.000000	.000000	43.996692
1.00000	1536.635	0.228787	.000000	.000000	.000000	49.487584

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1547.524	-0.228787	.000000	.000000	.000000	-38.505800
0.50000	-1542.079	-0.228787	.000000	.000000	.000000	-43.996692
1.00000	-1536.635	-0.228787	.000000	.000000	.000000	-49.487584

ELEM 166 ========== LENGTH = 15.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1522.635	3.142084	.000000	.000000	.000000	49.487693
0.50000	1520.848	3.142084	.000000	.000000	.000000	24.743781
1.00000	1519.062	3.142084	.000000	.000000	.000000	0.000132

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1522.635	-3.142084	.000000	.000000	.000000	-49.487693
0.50000	-1520.848	-3.142084	.000000	.000000	.000000	-24.743781
1.00000	-1519.062	-3.142084	.000000	.000000	.000000	-0.000132

```
ELEM     167 ================== LENGTH =   80.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1281.229     .000000     .000000     .000000     .000000     .000000
0.50000    1272.069     .000000     .000000     .000000     .000000     .000000
1.00000    1262.910     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1281.229     .000000     .000000     .000000     .000000     .000000
0.50000   -1272.069     .000000     .000000     .000000     .000000     .000000
1.00000   -1262.910     .000000     .000000     .000000     .000000     .000000

ELEM     168 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  890.535186     .000000     .000000     .000000     .000000     .000000
0.50000  879.646296     .000000     .000000     .000000     .000000     .000000
1.00000  868.757406     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -890.535186     .000000     .000000     .000000     .000000     .000000
0.50000 -879.646296     .000000     .000000     .000000     .000000     .000000
1.00000 -868.757406     .000000     .000000     .000000     .000000     .000000

ELEM     169 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  605.637901     .000000     .000000     .000000     .000000     .000000
0.50000  594.749011     .000000     .000000     .000000     .000000     .000000
1.00000  583.860121     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -605.637901     .000000     .000000     .000000     .000000     .000000
0.50000 -594.749011     .000000     .000000     .000000     .000000     .000000
1.00000 -583.860121     .000000     .000000     .000000     .000000     .000000

ELEM     171 ================== LENGTH =  110.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   49.902782     .000000     .000000     .000000     .000000     .000000
0.50000   37.425929     .000000     .000000     .000000     .000000     .000000
1.00000   24.949076     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -49.902782     .000000     .000000     .000000     .000000     .000000
0.50000  -37.425929     .000000     .000000     .000000     .000000     .000000
```

```
1.00000  -24.949076     .000000     .000000     .000000     .000000     .000000

ELEM     172 ================== LENGTH =   13.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   24.949076     .000000     .000000     .000000     .000000     .000000
0.50000   23.474539     .000000     .000000     .000000     .000000     .000000
1.00000   22.000002     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -24.949076     .000000     .000000     .000000     .000000     .000000
0.50000  -23.474539     .000000     .000000     .000000     .000000     .000000
1.00000  -22.000002     .000000     .000000     .000000     .000000     .000000

ELEM     173 ================== LENGTH =    9.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1018.550  292.541773    2.68E-14     .000000     .000000     .000000
0.25000    1018.550  292.104273    2.67E-14     .000000    6.02E-14  657.726801
0.50000    1018.550  291.666773    2.67E-14     .000000    1.20E-13    1314.469
0.75000    1018.550  291.229273    2.66E-14     .000000    1.80E-13    1970.227
1.00000    1018.550  290.791773    2.66E-14     .000000    2.40E-13    2625.001

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1018.550 -292.541773   -2.68E-14     .000000     .000000     .000000
0.25000   -1018.550 -292.104273   -2.67E-14     .000000   -6.02E-14 -657.726801
0.50000   -1018.550 -291.666773   -2.67E-14     .000000   -1.20E-13   -1314.469
0.75000   -1018.550 -291.229273   -2.66E-14     .000000   -1.80E-13   -1970.227
1.00000   -1018.550 -290.791773   -2.66E-14     .000000   -2.40E-13   -2625.001

ELEM     174 ================== LENGTH =   12.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  273.506089  133.333384    1.21E-14     .000000     .000000     .000000
0.25000  273.506089  132.750051    1.20E-14     .000000    3.62E-14  399.125152
0.50000  273.506089  132.166717    1.19E-14     .000000    7.21E-14  796.500304
0.75000  273.506089  131.583384    1.19E-14     .000000    1.08E-13    1192.125
1.00000  273.506089  131.000051    1.18E-14     .000000    1.43E-13    1586.001

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -273.506089 -133.333384   -1.21E-14     .000000     .000000     .000000
0.25000 -273.506089 -132.750051   -1.20E-14     .000000   -3.62E-14 -399.125152
0.50000 -273.506089 -132.166717   -1.19E-14     .000000   -7.21E-14 -796.500304
0.75000 -273.506089 -131.583384   -1.19E-14     .000000   -1.08E-13   -1192.125
1.00000 -273.506089 -131.000051   -1.18E-14     .000000   -1.43E-13   -1586.001

ELEM     175 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
```

0.00000	1018.550	118.791773	1.08E-14	.000000	2.31E-13	2624.993
0.25000	1018.550	117.625106	1.07E-14	.000000	2.96E-13	3334.243
0.50000	1018.550	116.458439	1.05E-14	.000000	3.59E-13	4036.493
0.75000	1018.550	115.291772	1.04E-14	.000000	4.22E-13	4731.744
1.00000	1018.550	114.125106	1.03E-14	.000000	4.84E-13	5419.994

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1018.550	-118.791773	-1.08E-14	.000000	-2.31E-13	-2624.993
0.25000	-1018.550	-117.625106	-1.07E-14	.000000	-2.96E-13	-3334.243
0.50000	-1018.550	-116.458439	-1.05E-14	.000000	-3.59E-13	-4036.493
0.75000	-1018.550	-115.291772	-1.04E-14	.000000	-4.22E-13	-4731.744
1.00000	-1018.550	-114.125106	-1.03E-14	.000000	-4.84E-13	-5419.994

ELEM 176 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	473.725800	30.333367	2.89E-15	.000000	1.28E-13	1456.002
0.25000	473.725800	28.000034	2.61E-15	.000000	1.01E-13	1134.001
0.50000	473.725800	30.333366	2.66E-15	.000000	7.07E-14	784.000778
0.75000	473.725800	32.666699	2.95E-15	.000000	3.71E-14	406.000390
1.00000	473.725800	35.000033	3.23E-15	.000000	5.25E-29	8.82E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-473.725800	-30.333367	-2.89E-15	.000000	-1.28E-13	-1456.002
0.25000	-473.725800	-28.000034	-2.61E-15	.000000	-1.01E-13	-1134.001
0.50000	-473.725800	-30.333366	-2.66E-15	.000000	-7.07E-14	-784.000778
0.75000	-473.725800	-32.666699	-2.95E-15	.000000	-3.71E-14	-406.000390
1.00000	-473.725800	-35.000033	-3.23E-15	.000000	-5.25E-29	-8.82E-13

ELEM 177 ========== LENGTH = 8.512400

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	117.437327	204.452819	1.88E-14	.000000	.000000	.000000
0.25000	117.437327	204.039022	1.87E-14	.000000	3.99E-14	434.655743
0.50000	117.437327	203.625225	1.87E-14	.000000	7.98E-14	868.430885
0.75000	117.437327	203.211427	1.86E-14	.000000	1.19E-13	1301.325
1.00000	117.437327	202.797630	1.86E-14	.000000	1.59E-13	1733.339

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-117.437327	-204.452819	-1.88E-14	.000000	.000000	.000000
0.25000	-117.437327	-204.039022	-1.87E-14	.000000	-3.99E-14	-434.655743
0.50000	-117.437327	-203.625225	-1.87E-14	.000000	-7.98E-14	-868.430885
0.75000	-117.437327	-203.211427	-1.86E-14	.000000	-1.19E-13	-1301.325
1.00000	-117.437327	-202.797630	-1.86E-14	.000000	-1.59E-13	-1733.339

ELEM 178 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	273.506089	53.000051	4.87E-15	.000000	1.40E-13	1585.997
0.25000	273.506089	51.833384	4.73E-15	.000000	1.69E-13	1900.497
0.50000	273.506089	50.666717	4.58E-15	.000000	1.97E-13	2207.996

```
0.75000  273.506089   49.500050    4.44E-15     .000000    2.24E-13    2508.497
1.00000  273.506089   48.333383    4.44E-15     .000000    2.50E-13    2801.997

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -273.506089  -53.000051   -4.87E-15     .000000   -1.40E-13   -1585.997
0.25000 -273.506089  -51.833384   -4.73E-15     .000000   -1.69E-13   -1900.497
0.50000 -273.506089  -50.666717   -4.58E-15     .000000   -1.97E-13   -2207.996
0.75000 -273.506089  -49.500050   -4.44E-15     .000000   -2.24E-13   -2508.497
1.00000 -273.506089  -48.333383   -4.44E-15     .000000   -2.50E-13   -2801.997

ELEM     179 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1.431562    7.000001    8.48E-16     .000000     .000000     .000000
0.25000    1.431562    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000    1.431562    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000    1.431562    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000    1.431562    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1.431562   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000   -1.431562   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000   -1.431562   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000   -1.431562   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000   -1.431562   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     180 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1.187251    7.000001    8.48E-16     .000000     .000000     .000000
0.25000    1.187251    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000    1.187251    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000    1.187251    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000    1.187251    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1.187251   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000   -1.187251   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000   -1.187251   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000   -1.187251   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000   -1.187251   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     181 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9.875320    7.000001    8.48E-16     .000000     .000000     .000000
0.25000    9.875320    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000    9.875320    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000    9.875320    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000    9.875320    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13
```

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9.875320	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	-9.875320	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	-9.875320	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	-9.875320	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	-9.875320	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 183 ========== LENGTH = 31.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8455.912	3.53E-05	.000000	.000000	.000000	.000000
0.50000	8452.339	3.53E-05	.000000	.000000	.000000	0.000556
1.00000	8448.766	3.53E-05	.000000	.000000	.000000	0.001111

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8455.912	-3.53E-05	.000000	.000000	.000000	.000000
0.50000	-8452.339	-3.53E-05	.000000	.000000	.000000	-0.000556
1.00000	-8448.766	-3.53E-05	.000000	.000000	.000000	-0.001111

ELEM 184 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	293.172301	11.000001	1.33E-15	.000000	.000000	.000000
0.25000	293.172301	5.500000	6.66E-16	.000000	1.80E-14	148.500012
0.50000	293.172301	3.55E-15	5.92E-31	.000000	2.40E-14	198.000016
0.75000	293.172301	5.500000	6.66E-16	.000000	1.80E-14	148.500012
1.00000	293.172301	11.000001	1.33E-15	.000000	4.02E-29	2.27E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-293.172301	-11.000001	-1.33E-15	.000000	.000000	.000000
0.25000	-293.172301	-5.500000	-6.66E-16	.000000	-1.80E-14	-148.500012
0.50000	-293.172301	-3.55E-15	-5.92E-31	.000000	-2.40E-14	-198.000016
0.75000	-293.172301	-5.500000	-6.66E-16	.000000	-1.80E-14	-148.500012
1.00000	-293.172301	-11.000001	-1.33E-15	.000000	-4.02E-29	-2.27E-13

ELEM 185 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1018.550	59.041688	5.41E-15	.000000	4.83E-13	5419.993
0.25000	1018.550	59.041685	5.31E-15	.000000	4.52E-13	5069.243
0.50000	1018.550	60.208351	5.45E-15	.000000	4.19E-13	4711.493
0.75000	1018.550	61.375018	5.59E-15	.000000	3.86E-13	4346.743
1.00000	1018.550	62.541685	5.73E-15	.000000	3.52E-13	3974.994

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1018.550	-59.041688	-5.41E-15	.000000	-4.83E-13	-5419.993
0.25000	-1018.550	-59.041685	-5.31E-15	.000000	-4.52E-13	-5069.243
0.50000	-1018.550	-60.208351	-5.45E-15	.000000	-4.19E-13	-4711.493
0.75000	-1018.550	-61.375018	-5.59E-15	.000000	-3.86E-13	-4346.743

```
1.00000   -1018.550  -62.541685   -5.73E-15     .000000   -3.52E-13   -3974.994

ELEM     186 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  273.506089   43.666700    4.02E-15     .000000    2.50E-13    2801.997
0.25000  273.506089   44.833366    4.02E-15     .000000    2.26E-13    2536.497
0.50000  273.506089   46.000032    4.16E-15     .000000    2.02E-13    2263.996
0.75000  273.506089   47.166699    4.30E-15     .000000    1.76E-13    1984.497
1.00000  273.506089   48.333366    4.44E-15     .000000    1.50E-13    1697.997

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -273.506089  -43.666700   -4.02E-15     .000000   -2.50E-13   -2801.997
0.25000 -273.506089  -44.833366   -4.02E-15     .000000   -2.26E-13   -2536.497
0.50000 -273.506089  -46.000032   -4.16E-15     .000000   -2.02E-13   -2263.996
0.75000 -273.506089  -47.166699   -4.30E-15     .000000   -1.76E-13   -1984.497
1.00000 -273.506089  -48.333366   -4.44E-15     .000000   -1.50E-13   -1697.997

ELEM     187 ================== LENGTH =   14.462800

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  151.994775  233.008408    2.09E-14     .000000    3.05E-13    3390.290
0.25000  151.994775  233.711461    2.10E-14     .000000    2.29E-13    2546.531
0.50000  151.994775  234.414514    2.11E-14     .000000    1.53E-13    1700.229
0.75000  151.994775  235.117567    2.12E-14     .000000    7.67E-14  851.385601
1.00000  151.994775  235.820620    2.13E-14     .000000    3.72E-28    3.20E-12

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -151.994775 -233.008408   -2.09E-14     .000000   -3.05E-13   -3390.290
0.25000 -151.994775 -233.711461   -2.10E-14     .000000   -2.29E-13   -2546.531
0.50000 -151.994775 -234.414514   -2.11E-14     .000000   -1.53E-13   -1700.229
0.75000 -151.994775 -235.117567   -2.12E-14     .000000   -7.67E-14 -851.385601
1.00000 -151.994775 -235.820620   -2.13E-14     .000000   -3.72E-28   -3.20E-12

ELEM     188 ================== LENGTH =   26.537200

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  151.994774  138.019502    1.22E-14     .000000    3.33E-13    3731.117
0.25000  151.994774  139.309504    1.24E-14     .000000    2.51E-13    2811.175
0.50000  151.994774  140.599507    1.25E-14     .000000    1.68E-13    1882.675
0.75000  151.994774  141.889510    1.27E-14     .000000    8.47E-14  945.616710
1.00000  151.994774  143.179513    1.28E-14     .000000    1.38E-28    2.18E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -151.994774 -138.019502   -1.22E-14     .000000   -3.33E-13   -3731.117
0.25000 -151.994774 -139.309504   -1.24E-14     .000000   -2.51E-13   -2811.175
0.50000 -151.994774 -140.599507   -1.25E-14     .000000   -1.68E-13   -1882.675
0.75000 -151.994774 -141.889510   -1.27E-14     .000000   -8.47E-14 -945.616710
1.00000 -151.994774 -143.179513   -1.28E-14     .000000   -1.38E-28   -2.18E-13

ELEM     189 ================== LENGTH =   15.000000
```

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1018.550	263.541685	2.36E-14	.000000	3.57E-13	3975.000
0.25000	1018.550	264.270852	2.37E-14	.000000	2.69E-13	2985.352
0.50000	1018.550	265.000018	2.38E-14	.000000	1.79E-13	1992.969
0.75000	1018.550	265.729185	2.39E-14	.000000	8.98E-14	997.851632
1.00000	1018.550	266.458352	2.40E-14	.000000	2.83E-28	1.88E-12

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1018.550	-263.541685	-2.36E-14	.000000	-3.57E-13	-3975.000
0.25000	-1018.550	-264.270852	-2.37E-14	.000000	-2.69E-13	-2985.352
0.50000	-1018.550	-265.000018	-2.38E-14	.000000	-1.79E-13	-1992.969
0.75000	-1018.550	-265.729185	-2.39E-14	.000000	-8.98E-14	-997.851632
1.00000	-1018.550	-266.458352	-2.40E-14	.000000	-2.83E-28	-1.88E-12

ELEM 190 ========== LENGTH = 12.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	273.506089	140.333366	1.27E-14	.000000	1.54E-13	1698.000
0.25000	273.506089	140.916699	1.27E-14	.000000	1.15E-13	1276.125
0.50000	273.506089	141.500033	1.28E-14	.000000	7.72E-14	852.500197
0.75000	273.506089	142.083366	1.29E-14	.000000	3.87E-14	427.125098
1.00000	273.506089	142.666699	1.29E-14	.000000	3.45E-28	2.70E-12

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-273.506089	-140.333366	-1.27E-14	.000000	-1.54E-13	-1698.000
0.25000	-273.506089	-140.916699	-1.27E-14	.000000	-1.15E-13	-1276.125
0.50000	-273.506089	-141.500033	-1.28E-14	.000000	-7.72E-14	-852.500197
0.75000	-273.506089	-142.083366	-1.29E-14	.000000	-3.87E-14	-427.125098
1.00000	-273.506089	-142.666699	-1.29E-14	.000000	-3.45E-28	-2.70E-12

ELEM 191 ========== LENGTH = 50.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	10310.155	0.493858	.000000	.000000	.000000	1.65E-05
0.50000	10304.427	0.493858	.000000	.000000	.000000	12.469893
1.00000	10298.699	0.493858	.000000	.000000	.000000	24.939803

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-10310.155	-0.493858	.000000	.000000	.000000	-1.65E-05
0.50000	-10304.427	-0.493858	.000000	.000000	.000000	-12.469893
1.00000	-10298.699	-0.493858	.000000	.000000	.000000	-24.939803

ELEM 192 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	10291.699	0.937704	.000000	.000000	.000000	24.939822
0.50000	10286.254	0.937704	.000000	.000000	.000000	2.434917
1.00000	10280.810	0.937704	.000000	.000000	.000000	20.069988

```
COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -10291.699   -0.937704     .000000     .000000     .000000  -24.939822
0.50000  -10286.254   -0.937704     .000000     .000000     .000000   -2.434917
1.00000  -10280.810   -0.937704     .000000     .000000     .000000  -20.069988

ELEM     193 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   10273.810    2.124956     .000000     .000000     .000000   20.069961
0.50000   10268.366    2.124956     .000000     .000000     .000000   71.068900
1.00000   10262.921    2.124956     .000000     .000000     .000000  122.067838

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -10273.810   -2.124956     .000000     .000000     .000000  -20.069961
0.50000  -10268.366   -2.124956     .000000     .000000     .000000  -71.068900
1.00000  -10262.921   -2.124956     .000000     .000000     .000000 -122.067838

ELEM     194 ================== LENGTH =   15.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   10255.921    7.750364     .000000     .000000     .000000  122.068007
0.50000   10254.135    7.750364     .000000     .000000     .000000   61.033892
1.00000   10252.348    7.750364     .000000     .000000     .000000    0.000224

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -10255.921   -7.750364     .000000     .000000     .000000 -122.068007
0.50000  -10254.135   -7.750364     .000000     .000000     .000000  -61.033892
1.00000  -10252.348   -7.750364     .000000     .000000     .000000   -0.000224

ELEM     195 ================== LENGTH =   32.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   10035.017     .000000     .000000     .000000     .000000     .000000
0.50000   10031.303     .000000     .000000     .000000     .000000     .000000
1.00000   10027.588     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -10035.017     .000000     .000000     .000000     .000000     .000000
0.50000  -10031.303     .000000     .000000     .000000     .000000     .000000
1.00000  -10027.588     .000000     .000000     .000000     .000000     .000000

ELEM     196 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   10020.588     .000000     .000000     .000000     .000000     .000000
0.50000   10015.144     .000000     .000000     .000000     .000000     .000000
```

```
1.00000   10009.699     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -10020.588     .000000     .000000     .000000     .000000     .000000
0.50000  -10015.144     .000000     .000000     .000000     .000000     .000000
1.00000  -10009.699     .000000     .000000     .000000     .000000     .000000

ELEM     197 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9407.116     .000000     .000000     .000000     .000000     .000000
0.50000    9401.671     .000000     .000000     .000000     .000000     .000000
1.00000    9396.227     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9407.116     .000000     .000000     .000000     .000000     .000000
0.50000   -9401.671     .000000     .000000     .000000     .000000     .000000
1.00000   -9396.227     .000000     .000000     .000000     .000000     .000000

ELEM     198 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8858.055     .000000     .000000     .000000     .000000     .000000
0.50000    8852.611     .000000     .000000     .000000     .000000     .000000
1.00000    8847.166     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8858.055     .000000     .000000     .000000     .000000     .000000
0.50000   -8852.611     .000000     .000000     .000000     .000000     .000000
1.00000   -8847.166     .000000     .000000     .000000     .000000     .000000

ELEM     199 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8227.412     .000000     .000000     .000000     .000000     .000000
0.50000    8221.967     .000000     .000000     .000000     .000000     .000000
1.00000    8216.523     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8227.412     .000000     .000000     .000000     .000000     .000000
0.50000   -8221.967     .000000     .000000     .000000     .000000     .000000
1.00000   -8216.523     .000000     .000000     .000000     .000000     .000000

ELEM     200 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8182.974     .000000     .000000     .000000     .000000     .000000
```

```
0.50000    8177.529     .000000     .000000     .000000     .000000     .000000
1.00000    8172.085     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8182.974     .000000     .000000     .000000     .000000     .000000
0.50000   -8177.529     .000000     .000000     .000000     .000000     .000000
1.00000   -8172.085     .000000     .000000     .000000     .000000     .000000

ELEM     201 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7550.358     .000000     .000000     .000000     .000000     .000000
0.50000    7544.914     .000000     .000000     .000000     .000000     .000000
1.00000    7539.469     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7550.358     .000000     .000000     .000000     .000000     .000000
0.50000   -7544.914     .000000     .000000     .000000     .000000     .000000
1.00000   -7539.469     .000000     .000000     .000000     .000000     .000000

ELEM     203 ================== LENGTH =   34.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6840.236     .000000     .000000     .000000     .000000     .000000
0.50000    6836.330     .000000     .000000     .000000     .000000     .000000
1.00000    6832.424     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6840.236     .000000     .000000     .000000     .000000     .000000
0.50000   -6836.330     .000000     .000000     .000000     .000000     .000000
1.00000   -6832.424     .000000     .000000     .000000     .000000     .000000

ELEM     204 ================== LENGTH =   88.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2402.091     .000000     .000000     .000000     .000000     .000000
0.50000    2392.045     .000000     .000000     .000000     .000000     .000000
1.00000    2382.000     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2402.091     .000000     .000000     .000000     .000000     .000000
0.50000   -2392.045     .000000     .000000     .000000     .000000     .000000
1.00000   -2382.000     .000000     .000000     .000000     .000000     .000000

ELEM     205 ================== LENGTH =    9.537200

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
```

0.00000	151.994775	385.906080	3.52E-14	.000000	.000000	.000000
0.25000	151.994775	385.442466	3.52E-14	.000000	8.40E-14	919.563169
0.50000	151.994775	384.978852	3.51E-14	.000000	1.68E-13	1838.021
0.75000	151.994775	384.515238	3.51E-14	.000000	2.52E-13	2755.373
1.00000	151.994775	384.051624	3.50E-14	.000000	3.35E-13	3671.620

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-151.994775	-385.906080	-3.52E-14	.000000	.000000	.000000
0.25000	-151.994775	-385.442466	-3.52E-14	.000000	-8.40E-14	-919.563169
0.50000	-151.994775	-384.978852	-3.51E-14	.000000	-1.68E-13	-1838.021
0.75000	-151.994775	-384.515238	-3.51E-14	.000000	-2.52E-13	-2755.373
1.00000	-151.994775	-384.051624	-3.50E-14	.000000	-3.35E-13	-3671.620

ELEM 206 ========== LENGTH = 8.512400

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	117.437327	374.207807	3.44E-14	.000000	.000000	.000000
0.25000	117.437327	373.794010	3.43E-14	.000000	7.31E-14	795.911333
0.50000	117.437327	373.380213	3.43E-14	.000000	1.46E-13	1590.942
0.75000	117.437327	372.966415	3.42E-14	.000000	2.19E-13	2385.092
1.00000	117.437327	372.552618	3.42E-14	.000000	2.92E-13	3178.362

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-117.437327	-374.207807	-3.44E-14	.000000	.000000	.000000
0.25000	-117.437327	-373.794010	-3.43E-14	.000000	-7.31E-14	-795.911333
0.50000	-117.437327	-373.380213	-3.43E-14	.000000	-1.46E-13	-1590.942
0.75000	-117.437327	-372.966415	-3.42E-14	.000000	-2.19E-13	-2385.092
1.00000	-117.437327	-372.552618	-3.42E-14	.000000	-2.92E-13	-3178.362

ELEM 207 ========== LENGTH = 17.539000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	845.223872	172.804748	6.72E-15	.000000	.000000	.000000
0.25000	845.223872	171.464963	6.56E-15	.000000	2.91E-14	754.768306
0.50000	845.223872	170.125178	6.40E-15	.000000	5.75E-14	1503.662
0.75000	845.223872	168.785393	6.23E-15	.000000	8.52E-14	2246.681
1.00000	845.223872	167.445608	6.20E-15	.000000	1.12E-13	2983.825

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-845.223872	-172.804748	-6.72E-15	.000000	.000000	.000000
0.25000	-845.223872	-171.464963	-6.56E-15	.000000	-2.91E-14	-754.768306
0.50000	-845.223872	-170.125178	-6.40E-15	.000000	-5.75E-14	-1503.662
0.75000	-845.223872	-168.785393	-6.23E-15	.000000	-8.52E-14	-2246.681
1.00000	-845.223872	-167.445608	-6.20E-15	.000000	-1.12E-13	-2983.825

ELEM 208 ========== LENGTH = 9.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1018.550	336.125064	3.08E-14	.000000	.000000	.000000
0.25000	1018.550	335.687564	3.07E-14	.000000	6.92E-14	755.789207
0.50000	1018.550	335.250064	3.07E-14	.000000	1.38E-13	1510.594

```
0.75000    1018.550  334.812564    3.06E-14     .000000    2.07E-13    2264.414
1.00000    1018.550  334.375064    3.06E-14     .000000    2.76E-13    3017.251

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1018.550 -336.125064   -3.08E-14     .000000     .000000     .000000
0.25000   -1018.550 -335.687564   -3.07E-14     .000000   -6.92E-14 -755.789207
0.50000   -1018.550 -335.250064   -3.07E-14     .000000   -1.38E-13   -1510.594
0.75000   -1018.550 -334.812564   -3.06E-14     .000000   -2.07E-13   -2264.414
1.00000   -1018.550 -334.375064   -3.06E-14     .000000   -2.76E-13   -3017.251

ELEM     209 ================== LENGTH =   12.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  416.517254  126.333383    1.15E-14     .000000     .000000     .000000
0.25000  416.517254  125.750049    1.14E-14     .000000    3.43E-14  378.125148
0.50000  416.517254  125.166716    1.13E-14     .000000    6.83E-14  754.500295
0.75000  416.517254  124.583382    1.12E-14     .000000    1.02E-13    1129.125
1.00000  416.517254  124.000049    1.12E-14     .000000    1.36E-13    1502.001

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -416.517254 -126.333383   -1.15E-14     .000000     .000000     .000000
0.25000 -416.517254 -125.750049   -1.14E-14     .000000   -3.43E-14 -378.125148
0.50000 -416.517254 -125.166716   -1.13E-14     .000000   -6.83E-14 -754.500295
0.75000 -416.517254 -124.583382   -1.12E-14     .000000   -1.02E-13   -1129.125
1.00000 -416.517254 -124.000049   -1.12E-14     .000000   -1.36E-13   -1502.001

ELEM     210 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  151.994775  165.051624    1.50E-14     .000000    3.23E-13    3671.611
0.25000  151.994775  163.884957    1.49E-14     .000000    4.13E-13    4658.420
0.50000  151.994775  162.718291    1.47E-14     .000000    5.02E-13    5638.229
0.75000  151.994775  161.551624    1.46E-14     .000000    5.90E-13    6611.038
1.00000  151.994775  160.384957    1.45E-14     .000000    6.77E-13    7576.848

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -151.994775 -165.051624   -1.50E-14     .000000   -3.23E-13   -3671.611
0.25000 -151.994775 -163.884957   -1.49E-14     .000000   -4.13E-13   -4658.420
0.50000 -151.994775 -162.718291   -1.47E-14     .000000   -5.02E-13   -5638.229
0.75000 -151.994775 -161.551624   -1.46E-14     .000000   -5.90E-13   -6611.038
1.00000 -151.994775 -160.384957   -1.45E-14     .000000   -6.77E-13   -7576.848

ELEM     211 ================== LENGTH =   39.905978

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  781.441409    4.083334    4.95E-16     .000000     .000000     .000000
0.50000  779.488351    9.33E-16    1.07E-31     .000000    4.93E-15   40.737356
1.00000  777.535292    4.083334    4.95E-16     .000000    5.23E-30    4.67E-14

COMBDEADLOAD ------------------ MIN
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000 -781.441409   -4.083334   -4.95E-16     .000000     .000000     .000000
0.50000 -779.488351   -9.33E-16   -1.07E-31     .000000   -4.93E-15  -40.737356
1.00000 -777.535292   -4.083334   -4.95E-16     .000000   -5.23E-30   -4.67E-14

ELEM     212 ================== LENGTH =   39.905935

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  938.882178    4.083334    4.95E-16     .000000     .000000     .000000
0.50000  936.929131    1.20E-15    1.23E-31     .000000    4.93E-15   40.737312
1.00000  934.976084    4.083334    4.95E-16     .000000    5.13E-30    3.77E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -938.882178   -4.083334   -4.95E-16     .000000     .000000     .000000
0.50000 -936.929131   -1.20E-15   -1.23E-31     .000000   -4.93E-15  -40.737312
1.00000 -934.976084   -4.083334   -4.95E-16     .000000   -5.13E-30   -3.77E-14

ELEM     213 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  117.437327  153.552618    1.40E-14     .000000    2.80E-13    3178.353
0.25000  117.437327  152.385951    1.38E-14     .000000    3.63E-13    4096.168
0.50000  117.437327  151.219284    1.37E-14     .000000    4.46E-13    5006.983
0.75000  117.437327  150.052618    1.35E-14     .000000    5.27E-13    5910.798
1.00000  117.437327  148.885951    1.34E-14     .000000    6.08E-13    6807.614

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -117.437327 -153.552618   -1.40E-14     .000000   -2.80E-13   -3178.353
0.25000 -117.437327 -152.385951   -1.38E-14     .000000   -3.63E-13   -4096.168
0.50000 -117.437327 -151.219284   -1.37E-14     .000000   -4.46E-13   -5006.983
0.75000 -117.437327 -150.052618   -1.35E-14     .000000   -5.27E-13   -5910.798
1.00000 -117.437327 -148.885951   -1.34E-14     .000000   -6.08E-13   -6807.614

ELEM     214 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  845.223872   41.445608    1.95E-15     .000000    1.04E-13    2983.824
0.25000  845.223872   39.612275    1.73E-15     .000000    1.16E-13    3226.997
0.50000  845.223872   37.778941    1.51E-15     .000000    1.25E-13    3459.171
0.75000  845.223872   35.945608    1.57E-15     .000000    1.34E-13    3680.344
1.00000  845.223872   37.497224    1.80E-15     .000000    1.41E-13    3890.518

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -845.223872  -41.445608   -1.95E-15     .000000   -1.04E-13   -2983.824
0.25000 -845.223872  -39.612275   -1.73E-15     .000000   -1.16E-13   -3226.997
0.50000 -845.223872  -37.778941   -1.51E-15     .000000   -1.25E-13   -3459.171
0.75000 -845.223872  -35.945608   -1.57E-15     .000000   -1.34E-13   -3680.344
1.00000 -845.223872  -37.497224   -1.80E-15     .000000   -1.41E-13   -3890.518

ELEM     215 ================== LENGTH =   24.000000
```

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1018.550	133.375064	1.21E-14	.000000	2.66E-13	3017.243
0.25000	1018.550	132.208397	1.20E-14	.000000	3.38E-13	3813.993
0.50000	1018.550	131.041731	1.19E-14	.000000	4.10E-13	4603.743
0.75000	1018.550	129.875064	1.17E-14	.000000	4.80E-13	5386.493
1.00000	1018.550	128.708397	1.16E-14	.000000	5.50E-13	6162.243

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1018.550	-133.375064	-1.21E-14	.000000	-2.66E-13	-3017.243
0.25000	-1018.550	-132.208397	-1.20E-14	.000000	-3.38E-13	-3813.993
0.50000	-1018.550	-131.041731	-1.19E-14	.000000	-4.10E-13	-4603.743
0.75000	-1018.550	-129.875064	-1.17E-14	.000000	-4.80E-13	-5386.493
1.00000	-1018.550	-128.708397	-1.16E-14	.000000	-5.50E-13	-6162.243

ELEM 216 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	416.517254	18.000049	1.70E-15	.000000	1.33E-13	1501.999
0.25000	416.517254	16.833382	1.56E-15	.000000	1.43E-13	1606.499
0.50000	416.517254	15.666716	1.42E-15	.000000	1.52E-13	1703.999
0.75000	416.517254	14.500049	1.28E-15	.000000	1.60E-13	1794.499
1.00000	416.517254	13.333382	1.28E-15	.000000	1.67E-13	1877.999

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-416.517254	-18.000049	-1.70E-15	.000000	-1.33E-13	-1501.999
0.25000	-416.517254	-16.833382	-1.56E-15	.000000	-1.43E-13	-1606.499
0.50000	-416.517254	-15.666716	-1.42E-15	.000000	-1.52E-13	-1703.999
0.75000	-416.517254	-14.500049	-1.28E-15	.000000	-1.60E-13	-1794.499
1.00000	-416.517254	-13.333382	-1.28E-15	.000000	-1.67E-13	-1877.999

ELEM 217 ========== LENGTH = 79.098436

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	145.412052	7.000001	8.48E-16	.000000	.000000	.000000
0.50000	148.596080	3.05E-15	5.56E-31	.000000	1.68E-14	138.422273
1.00000	151.780108	7.000001	8.48E-16	.000000	4.67E-29	2.73E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-145.412052	-7.000001	-8.48E-16	.000000	.000000	.000000
0.50000	-148.596080	-3.05E-15	-5.56E-31	.000000	-1.68E-14	-138.422273
1.00000	-151.780108	-7.000001	-8.48E-16	.000000	-4.67E-29	-2.73E-13

ELEM 219 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008

```
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     220 ================== LENGTH =   86.533231

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1228.811    7.000001    8.48E-16     .000000     .000000     .000000
0.50000    1224.144    8.91E-16    3.38E-31     .000000    1.83E-14  151.433166
1.00000    1219.478    7.000001    8.48E-16     .000000    2.79E-29    7.59E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1228.811   -7.000001   -8.48E-16     .000000     .000000     .000000
0.50000   -1224.144   -8.91E-16   -3.38E-31     .000000   -1.83E-14 -151.433166
1.00000   -1219.478   -7.000001   -8.48E-16     .000000   -2.79E-29   -7.59E-14

ELEM     221 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1018.550    7.000001    8.48E-16     .000000     .000000     .000000
0.25000    1018.550    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000    1018.550    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000    1018.550    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000    1018.550    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1018.550   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000   -1018.550   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000   -1018.550   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000   -1018.550   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000   -1018.550   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     222 ================== LENGTH =   86.533231

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   56.769545    7.000001    8.48E-16     .000000     .000000     .000000
0.50000   60.230093    8.91E-16    3.38E-31     .000000    1.83E-14  151.433166
1.00000   64.896760    7.000001    8.48E-16     .000000    2.79E-29    7.59E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -56.769545   -7.000001   -8.48E-16     .000000     .000000     .000000
0.50000  -60.230093   -8.91E-16   -3.38E-31     .000000   -1.83E-14 -151.433166
1.00000  -64.896760   -7.000001   -8.48E-16     .000000   -2.79E-29   -7.59E-14
```

ELEM 223 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	50.114467	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	50.114467	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	50.114467	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	50.114467	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	50.114467	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-50.114467	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	-50.114467	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	-50.114467	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	-50.114467	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	-50.114467	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 224 ========== LENGTH = 86.533231

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	55.984421	7.000001	8.48E-16	.000000	.000000	.000000
0.50000	60.651088	8.91E-16	3.38E-31	.000000	1.83E-14	151.433166
1.00000	65.317755	7.000001	8.48E-16	.000000	2.79E-29	7.59E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-55.984421	-7.000001	-8.48E-16	.000000	.000000	.000000
0.50000	-60.651088	-8.91E-16	-3.38E-31	.000000	-1.83E-14	-151.433166
1.00000	-65.317755	-7.000001	-8.48E-16	.000000	-2.79E-29	-7.59E-14

ELEM 225 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	50.464721	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	50.464721	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	50.464721	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	50.464721	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	50.464721	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-50.464721	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	-50.464721	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	-50.464721	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	-50.464721	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	-50.464721	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 226 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	949.194863	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	949.194863	3.500000	4.24E-16	.000000	1.14E-14	94.500008

```
0.50000  949.194863    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000  949.194863    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000  949.194863    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -949.194863   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000 -949.194863   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000 -949.194863   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000 -949.194863   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000 -949.194863   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     227 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  293.172301   11.000001    1.33E-15     .000000     .000000     .000000
0.25000  293.172301    5.500000    6.66E-16     .000000    1.80E-14  148.500012
0.50000  293.172301    3.55E-15    5.92E-31     .000000    2.40E-14  198.000016
0.75000  293.172301    5.500000    6.66E-16     .000000    1.80E-14  148.500012
1.00000  293.172301   11.000001    1.33E-15     .000000    4.02E-29    2.27E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -293.172301  -11.000001   -1.33E-15     .000000     .000000     .000000
0.25000 -293.172301   -5.500000   -6.66E-16     .000000   -1.80E-14 -148.500012
0.50000 -293.172301   -3.55E-15   -5.92E-31     .000000   -2.40E-14 -198.000016
0.75000 -293.172301   -5.500000   -6.66E-16     .000000   -1.80E-14 -148.500012
1.00000 -293.172301  -11.000001   -1.33E-15     .000000   -4.02E-29   -2.27E-13

ELEM     228 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  151.994775   97.572904    8.90E-15     .000000    6.76E-13    7576.847
0.25000  151.994775   97.781818    8.81E-15     .000000    6.23E-13    6993.657
0.50000  151.994775   98.948484    8.95E-15     .000000    5.70E-13    6403.466
0.75000  151.994775  100.115151    9.09E-15     .000000    5.16E-13    5806.275
1.00000  151.994775  101.281818    9.23E-15     .000000    4.61E-13    5202.085

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -151.994775  -97.572904   -8.90E-15     .000000   -6.76E-13   -7576.847
0.25000 -151.994775  -97.781818   -8.81E-15     .000000   -6.23E-13   -6993.657
0.50000 -151.994775  -98.948484   -8.95E-15     .000000   -5.70E-13   -6403.466
0.75000 -151.994775 -100.115151   -9.09E-15     .000000   -5.16E-13   -5806.275
1.00000 -151.994775 -101.281818   -9.23E-15     .000000   -4.61E-13   -5202.085

ELEM     229 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  117.437327   71.470436    6.54E-15     .000000    6.07E-13    6807.613
0.25000  117.437327   71.280816    6.41E-15     .000000    5.69E-13    6383.428
0.50000  117.437327   72.447482    6.55E-15     .000000    5.30E-13    5952.244
0.75000  117.437327   73.614149    6.70E-15     .000000    4.90E-13    5514.059
1.00000  117.437327   74.780816    6.84E-15     .000000    4.49E-13    5068.875
```

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-117.437327	-71.470436	-6.54E-15	.000000	-6.07E-13	-6807.613
0.25000	-117.437327	-71.280816	-6.41E-15	.000000	-5.69E-13	-6383.428
0.50000	-117.437327	-72.447482	-6.55E-15	.000000	-5.30E-13	-5952.244
0.75000	-117.437327	-73.614149	-6.70E-15	.000000	-4.90E-13	-5514.059
1.00000	-117.437327	-74.780816	-6.84E-15	.000000	-4.49E-13	-5068.875

ELEM 230 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	845.223872	91.887849	3.84E-15	.000000	1.43E-13	3890.518
0.25000	845.223872	93.721183	3.61E-15	.000000	1.23E-13	3333.691
0.50000	845.223872	95.554516	3.82E-15	.000000	1.00E-13	2765.864
0.75000	845.223872	97.387850	4.04E-15	.000000	7.67E-14	2187.038
1.00000	845.223872	99.221183	4.26E-15	.000000	5.18E-14	1597.212

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-845.223872	-91.887849	-3.84E-15	.000000	-1.43E-13	-3890.518
0.25000	-845.223872	-93.721183	-3.61E-15	.000000	-1.23E-13	-3333.691
0.50000	-845.223872	-95.554516	-3.82E-15	.000000	-1.00E-13	-2765.864
0.75000	-845.223872	-97.387850	-4.04E-15	.000000	-7.67E-14	-2187.038
1.00000	-845.223872	-99.221183	-4.26E-15	.000000	-5.18E-14	-1597.212

ELEM 231 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1018.550	103.458361	9.43E-15	.000000	5.50E-13	6162.243
0.25000	1018.550	103.458363	9.32E-15	.000000	4.94E-13	5544.993
0.50000	1018.550	104.625030	9.47E-15	.000000	4.38E-13	4920.742
0.75000	1018.550	105.791696	9.61E-15	.000000	3.81E-13	4289.493
1.00000	1018.550	106.958363	9.75E-15	.000000	3.23E-13	3651.243

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1018.550	-103.458361	-9.43E-15	.000000	-5.50E-13	-6162.243
0.25000	-1018.550	-103.458363	-9.32E-15	.000000	-4.94E-13	-5544.993
0.50000	-1018.550	-104.625030	-9.47E-15	.000000	-4.38E-13	-4920.742
0.75000	-1018.550	-105.791696	-9.61E-15	.000000	-3.81E-13	-4289.493
1.00000	-1018.550	-106.958363	-9.75E-15	.000000	-3.23E-13	-3651.243

ELEM 232 ========== LENGTH = 39.905978

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	950.630737	4.083334	4.95E-16	.000000	.000000	.000000
0.50000	952.583795	9.33E-16	1.07E-31	.000000	4.93E-15	40.737356
1.00000	954.536854	4.083334	4.95E-16	.000000	5.23E-30	4.67E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-950.630737	-4.083334	-4.95E-16	.000000	.000000	.000000

```
0.50000 -952.583795   -9.33E-16   -1.07E-31     .000000   -4.93E-15  -40.737356
1.00000 -954.536854   -4.083334   -4.95E-16     .000000   -5.23E-30   -4.67E-14

ELEM     233 ================== LENGTH =   39.905935

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  775.610495    4.083334    4.95E-16     .000000     .000000     .000000
0.50000  777.563542    1.20E-15    1.23E-31     .000000    4.93E-15   40.737312
1.00000  779.516589    4.083334    4.95E-16     .000000    5.13E-30    3.77E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -775.610495   -4.083334   -4.95E-16     .000000     .000000     .000000
0.50000 -777.563542   -1.20E-15   -1.23E-31     .000000   -4.93E-15  -40.737312
1.00000 -779.516589   -4.083334   -4.95E-16     .000000   -5.13E-30   -3.77E-14

ELEM     234 ================== LENGTH =   36.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  416.517254   48.666672    4.48E-15     .000000    1.66E-13    1878.000
0.25000  416.517254   50.416670    4.41E-15     .000000    1.28E-13    1432.125
0.50000  416.517254   52.166670    4.62E-15     .000000    8.70E-14  970.500066
0.75000  416.517254   53.916670    4.83E-15     .000000    4.45E-14  493.125034
1.00000  416.517254   55.666670    5.05E-15     .000000    4.04E-29    5.37E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -416.517254  -48.666672   -4.48E-15     .000000   -1.66E-13   -1878.000
0.25000 -416.517254  -50.416670   -4.41E-15     .000000   -1.28E-13   -1432.125
0.50000 -416.517254  -52.166670   -4.62E-15     .000000   -8.70E-14 -970.500066
0.75000 -416.517254  -53.916670   -4.83E-15     .000000   -4.45E-14 -493.125034
1.00000 -416.517254  -55.666670   -5.05E-15     .000000   -4.04E-29   -5.37E-14

ELEM     235 ================== LENGTH =   14.462800

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  151.994775  358.281818    3.22E-14     .000000    4.68E-13    5202.094
0.25000  151.994775  358.984871    3.23E-14     .000000    3.52E-13    3905.384
0.50000  151.994775  359.687923    3.24E-14     .000000    2.35E-13    2606.131
0.75000  151.994775  360.390976    3.25E-14     .000000    1.17E-13    1304.337
1.00000  151.994775  361.094029    3.25E-14     .000000    1.70E-28    4.18E-12

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -151.994775 -358.281818   -3.22E-14     .000000   -4.68E-13   -5202.094
0.25000 -151.994775 -358.984871   -3.23E-14     .000000   -3.52E-13   -3905.384
0.50000 -151.994775 -359.687923   -3.24E-14     .000000   -2.35E-13   -2606.131
0.75000 -151.994775 -360.390976   -3.25E-14     .000000   -1.17E-13   -1304.337
1.00000 -151.994775 -361.094029   -3.25E-14     .000000   -1.70E-28   -4.18E-12

ELEM     236 ================== LENGTH =   15.487600

COMBDEADLOAD ------------------ MAX
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	117.437327	325.780816	2.92E-14	.000000	4.55E-13	5068.883
0.25000	117.437327	326.533686	2.93E-14	.000000	3.42E-13	3806.035
0.50000	117.437327	327.286555	2.94E-14	.000000	2.28E-13	2540.272
0.75000	117.437327	328.039425	2.95E-14	.000000	1.14E-13	1271.593
1.00000	117.437327	328.792294	2.96E-14	.000000	1.74E-28	7.05E-12

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-117.437327	-325.780816	-2.92E-14	.000000	-4.55E-13	-5068.883
0.25000	-117.437327	-326.533686	-2.93E-14	.000000	-3.42E-13	-3806.035
0.50000	-117.437327	-327.286555	-2.94E-14	.000000	-2.28E-13	-2540.272
0.75000	-117.437327	-328.039425	-2.95E-14	.000000	-1.14E-13	-1271.593
1.00000	-117.437327	-328.792294	-2.96E-14	.000000	-1.74E-28	-7.05E-12

ELEM 237 ========== LENGTH = 6.461000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	845.223872	246.221183	1.18E-14	.000000	7.70E-14	1597.213
0.25000	845.223872	246.714732	1.19E-14	.000000	5.79E-14	1199.105
0.50000	845.223872	247.208281	1.19E-14	.000000	3.87E-14	800.200759
0.75000	845.223872	247.701829	1.20E-14	.000000	1.94E-14	400.498982
1.00000	845.223872	248.195378	1.20E-14	.000000	9.24E-28	3.37E-11

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-845.223872	-246.221183	-1.18E-14	.000000	-7.70E-14	-1597.213
0.25000	-845.223872	-246.714732	-1.19E-14	.000000	-5.79E-14	-1199.105
0.50000	-845.223872	-247.208281	-1.19E-14	.000000	-3.87E-14	-800.200759
0.75000	-845.223872	-247.701829	-1.20E-14	.000000	-1.94E-14	-400.498982
1.00000	-845.223872	-248.195378	-1.20E-14	.000000	-9.24E-28	-3.37E-11

ELEM 238 ========== LENGTH = 15.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1018.550	241.958363	2.17E-14	.000000	3.28E-13	3651.250
0.25000	1018.550	242.687530	2.18E-14	.000000	2.47E-13	2742.539
0.50000	1018.550	243.416697	2.19E-14	.000000	1.65E-13	1831.094
0.75000	1018.550	244.145863	2.20E-14	.000000	8.26E-14	916.914175
1.00000	1018.550	244.875030	2.21E-14	.000000	1.45E-28	1.53E-12

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1018.550	-241.958363	-2.17E-14	.000000	-3.28E-13	-3651.250
0.25000	-1018.550	-242.687530	-2.18E-14	.000000	-2.47E-13	-2742.539
0.50000	-1018.550	-243.416697	-2.19E-14	.000000	-1.65E-13	-1831.094
0.75000	-1018.550	-244.145863	-2.20E-14	.000000	-8.26E-14	-916.914175
1.00000	-1018.550	-244.875030	-2.21E-14	.000000	-1.45E-28	-1.53E-12

ELEM 239 ========== LENGTH = 15.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	14563.264	281.256453	.000000	.000000	.000000	0.000332
0.50000	14559.998	281.256453	.000000	.000000	.000000	2214.895

```
1.00000   14556.731  281.256453     .000000     .000000     .000000    4429.789

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -14563.264 -281.256453     .000000     .000000     .000000   -0.000332
0.50000  -14559.998 -281.256453     .000000     .000000     .000000   -2214.895
1.00000  -14556.731 -281.256453     .000000     .000000     .000000   -4429.789

ELEM     240 ================== LENGTH =   32.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   14428.064  135.260801     .000000     .000000     .000000    4429.790
0.50000   14421.272  135.260801     .000000     .000000     .000000    2214.894
1.00000   14414.479  135.260801     .000000     .000000     .000000    0.001171

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -14428.064 -135.260801     .000000     .000000     .000000   -4429.790
0.50000  -14421.272 -135.260801     .000000     .000000     .000000   -2214.894
1.00000  -14414.479 -135.260801     .000000     .000000     .000000   -0.001171

ELEM     241 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   14218.430     .000000     .000000     .000000     .000000     .000000
0.50000   14208.474     .000000     .000000     .000000     .000000     .000000
1.00000   14198.519     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -14218.430     .000000     .000000     .000000     .000000     .000000
0.50000  -14208.474     .000000     .000000     .000000     .000000     .000000
1.00000  -14198.519     .000000     .000000     .000000     .000000     .000000

ELEM     242 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   14473.267     .000000     .000000     .000000     .000000     .000000
0.50000   14463.311     .000000     .000000     .000000     .000000     .000000
1.00000   14453.356     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -14473.267     .000000     .000000     .000000     .000000     .000000
0.50000  -14463.311     .000000     .000000     .000000     .000000     .000000
1.00000  -14453.356     .000000     .000000     .000000     .000000     .000000

ELEM     243 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   10229.966     .000000     .000000     .000000     .000000     .000000
```

```
0.50000   10224.521     .000000     .000000     .000000     .000000     .000000
1.00000   10219.077     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -10229.966     .000000     .000000     .000000     .000000     .000000
0.50000  -10224.521     .000000     .000000     .000000     .000000     .000000
1.00000  -10219.077     .000000     .000000     .000000     .000000     .000000

ELEM     244 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9800.687     .000000     .000000     .000000     .000000     .000000
0.50000    9795.242     .000000     .000000     .000000     .000000     .000000
1.00000    9789.798     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9800.687     .000000     .000000     .000000     .000000     .000000
0.50000   -9795.242     .000000     .000000     .000000     .000000     .000000
1.00000   -9789.798     .000000     .000000     .000000     .000000     .000000

ELEM     245 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9780.365     .000000     .000000     .000000     .000000     .000000
0.50000    9774.920     .000000     .000000     .000000     .000000     .000000
1.00000    9769.476     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9780.365     .000000     .000000     .000000     .000000     .000000
0.50000   -9774.920     .000000     .000000     .000000     .000000     .000000
1.00000   -9769.476     .000000     .000000     .000000     .000000     .000000

ELEM     246 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9124.785     .000000     .000000     .000000     .000000     .000000
0.50000    9119.341     .000000     .000000     .000000     .000000     .000000
1.00000    9113.897     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9124.785     .000000     .000000     .000000     .000000     .000000
0.50000   -9119.341     .000000     .000000     .000000     .000000     .000000
1.00000   -9113.897     .000000     .000000     .000000     .000000     .000000

ELEM     248 ================== LENGTH =   34.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000    8125.558     .000000     .000000     .000000     .000000     .000000
0.50000    8121.652     .000000     .000000     .000000     .000000     .000000
1.00000    8117.746     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8125.558     .000000     .000000     .000000     .000000     .000000
0.50000   -8121.652     .000000     .000000     .000000     .000000     .000000
1.00000   -8117.746     .000000     .000000     .000000     .000000     .000000

ELEM     249 ================== LENGTH =   88.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2438.547     .000000     .000000     .000000     .000000     .000000
0.50000    2428.502     .000000     .000000     .000000     .000000     .000000
1.00000    2418.457     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2438.547     .000000     .000000     .000000     .000000     .000000
0.50000   -2428.502     .000000     .000000     .000000     .000000     .000000
1.00000   -2418.457     .000000     .000000     .000000     .000000     .000000

ELEM     250 ================== LENGTH =    9.537200

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  102.244296  242.026451    2.21E-14     .000000     .000000     .000000
0.25000  102.244296  241.562838    2.21E-14     .000000    5.27E-14  576.510971
0.50000  102.244296  241.099224    2.20E-14     .000000    1.05E-13    1151.917
0.75000  102.244296  240.635610    2.19E-14     .000000    1.58E-13    1726.217
1.00000  102.244296  240.171996    2.19E-14     .000000    2.10E-13    2299.412

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -102.244296 -242.026451   -2.21E-14     .000000     .000000     .000000
0.25000 -102.244296 -241.562838   -2.21E-14     .000000   -5.27E-14 -576.510971
0.50000 -102.244296 -241.099224   -2.20E-14     .000000   -1.05E-13   -1151.917
0.75000 -102.244296 -240.635610   -2.19E-14     .000000   -1.58E-13   -1726.217
1.00000 -102.244296 -240.171996   -2.19E-14     .000000   -2.10E-13   -2299.412

ELEM     251 ================== LENGTH =    8.512400

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   67.933275   47.890692    4.42E-15     .000000     .000000     .000000
0.25000   67.933275   47.476895    4.37E-15     .000000    9.34E-15  101.475882
0.50000   67.933275   47.063098    4.31E-15     .000000    1.86E-14  202.071161
0.75000   67.933275   46.699108    4.31E-15     .000000    2.77E-14  301.785839
1.00000   67.933275   47.112906    4.36E-15     .000000    3.67E-14  400.619915

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -67.933275  -47.890692   -4.42E-15     .000000     .000000     .000000
0.25000  -67.933275  -47.476895   -4.37E-15     .000000   -9.34E-15 -101.475882
```

```
0.50000  -67.933275  -47.063098   -4.31E-15     .000000   -1.86E-14 -202.071161
0.75000  -67.933275  -46.699108   -4.31E-15     .000000   -2.77E-14 -301.785839
1.00000  -67.933275  -47.112906   -4.36E-15     .000000   -3.67E-14 -400.619915

ELEM     252 ================== LENGTH =   49.604034

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    4144.090    1.216483    1.47E-16     .000000     .000000     .000000
0.50000    4139.423    2.53E-16    8.41E-32     .000000    1.83E-15   15.085621
1.00000    4134.757    1.216483    1.47E-16     .000000    3.62E-30    1.37E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -4144.090   -1.216483   -1.47E-16     .000000     .000000     .000000
0.50000   -4139.423   -2.53E-16   -8.41E-32     .000000   -1.83E-15  -15.085621
1.00000   -4134.757   -1.216483   -1.47E-16     .000000   -3.62E-30   -1.37E-14

ELEM     253 ================== LENGTH =   17.539000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  333.945036  201.063701    7.79E-15     .000000     .000000     .000000
0.25000  333.945036  199.723916    7.63E-15     .000000    3.38E-14  878.676753
0.50000  333.945036  198.384132    7.47E-15     .000000    6.69E-14    1751.479
0.75000  333.945036  197.044347    7.31E-15     .000000    9.93E-14    2618.406
1.00000  333.945036  195.704562    7.28E-15     .000000    1.31E-13    3479.459

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -333.945036 -201.063701   -7.79E-15     .000000     .000000     .000000
0.25000 -333.945036 -199.723916   -7.63E-15     .000000   -3.38E-14 -878.676753
0.50000 -333.945036 -198.384132   -7.47E-15     .000000   -6.69E-14   -1751.479
0.75000 -333.945036 -197.044347   -7.31E-15     .000000   -9.93E-14   -2618.406
1.00000 -333.945036 -195.704562   -7.28E-15     .000000   -1.31E-13   -3479.459

ELEM     254 ================== LENGTH =    4.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   67.933275   99.765461    9.84E-15     .000000    3.96E-14  400.617399
0.25000   67.933275   99.959905    9.87E-15     .000000    2.97E-14  300.754716
0.50000   67.933275  100.154350    9.89E-15     .000000    1.98E-14  200.697588
0.75000   67.933275  100.348794    9.91E-15     .000000    9.93E-15  100.446016
1.00000   67.933275  100.543239    9.94E-15     .000000    1.92E-29    2.39E-15

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -67.933275  -99.765461   -9.84E-15     .000000   -3.96E-14 -400.617399
0.25000  -67.933275  -99.959905   -9.87E-15     .000000   -2.97E-14 -300.754716
0.50000  -67.933275 -100.154350   -9.89E-15     .000000   -1.98E-14 -200.697588
0.75000  -67.933275 -100.348794   -9.91E-15     .000000   -9.93E-15 -100.446016
1.00000  -67.933275 -100.543239   -9.94E-15     .000000   -1.92E-29   -2.39E-15

ELEM     255 ================== LENGTH =   25.024800

COMBDEADLOAD ------------------ MAX
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	50.114467	2.432967	2.95E-16	.000000	.000000	.000000
0.25000	50.114467	1.216483	1.47E-16	.000000	1.38E-15	11.415845
0.50000	50.114467	8.85E-16	5.03E-33	.000000	1.84E-15	15.221127
0.75000	50.114467	1.216483	1.47E-16	.000000	1.38E-15	11.415845
1.00000	50.114467	2.432967	2.95E-16	.000000	2.28E-31	2.24E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-50.114467	-2.432967	-2.95E-16	.000000	.000000	.000000
0.25000	-50.114467	-1.216483	-1.47E-16	.000000	-1.38E-15	-11.415845
0.50000	-50.114467	-8.85E-16	-5.03E-33	.000000	-1.84E-15	-15.221127
0.75000	-50.114467	-1.216483	-1.47E-16	.000000	-1.38E-15	-11.415845
1.00000	-50.114467	-2.432967	-2.95E-16	.000000	-2.28E-31	-2.24E-14

ELEM 256 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	102.244296	58.418284	5.36E-15	.000000	2.05E-13	2299.410
0.25000	102.244296	57.251617	5.22E-15	.000000	1.76E-13	1966.941
0.50000	102.244296	57.161628	5.17E-15	.000000	1.45E-13	1627.472
0.75000	102.244296	58.328294	5.31E-15	.000000	1.14E-13	1281.004
1.00000	102.244296	59.494961	5.45E-15	.000000	8.12E-14	927.535528

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-102.244296	-58.418284	-5.36E-15	.000000	-2.05E-13	-2299.410
0.25000	-102.244296	-57.251617	-5.22E-15	.000000	-1.76E-13	-1966.941
0.50000	-102.244296	-57.161628	-5.17E-15	.000000	-1.45E-13	-1627.472
0.75000	-102.244296	-58.328294	-5.31E-15	.000000	-1.14E-13	-1281.004
1.00000	-102.244296	-59.494961	-5.45E-15	.000000	-8.12E-14	-927.535528

ELEM 257 ========== LENGTH = 49.604034

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	3875.208	1.216483	1.47E-16	.000000	.000000	.000000
0.50000	3870.541	1.60E-16	2.61E-32	.000000	1.83E-15	15.085621
1.00000	3865.874	1.216483	1.47E-16	.000000	1.43E-30	6.57E-15

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-3875.208	-1.216483	-1.47E-16	.000000	.000000	.000000
0.50000	-3870.541	-1.60E-16	-2.61E-32	.000000	-1.83E-15	-15.085621
1.00000	-3865.874	-1.216483	-1.47E-16	.000000	-1.43E-30	-6.57E-15

ELEM 258 ========== LENGTH = 50.049600

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	50.464686	4.865934	5.89E-16	.000000	.000000	.000000
0.25000	50.464686	2.432967	2.95E-16	.000000	5.53E-15	45.663382
0.50000	50.464686	6.72E-18	8.85E-32	.000000	7.37E-15	60.884509
0.75000	50.464686	2.432967	2.95E-16	.000000	5.53E-15	45.663382
1.00000	50.464686	4.865934	5.89E-16	.000000	5.25E-30	4.24E-15

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-50.464686	-4.865934	-5.89E-16	.000000	.000000	.000000
0.25000	-50.464686	-2.432967	-2.95E-16	.000000	-5.53E-15	-45.663382
0.50000	-50.464686	-6.72E-18	-8.85E-32	.000000	-7.37E-15	-60.884509
0.75000	-50.464686	-2.432967	-2.95E-16	.000000	-5.53E-15	-45.663382
1.00000	-50.464686	-4.865934	-5.89E-16	.000000	-5.25E-30	-4.24E-15

ELEM 259 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	333.945036	48.704562	2.24E-15	.000000	1.22E-13	3479.457
0.25000	333.945036	46.871228	2.02E-15	.000000	1.35E-13	3766.183
0.50000	333.945036	45.037895	1.80E-15	.000000	1.46E-13	4041.911
0.75000	333.945036	43.204561	1.87E-15	.000000	1.56E-13	4306.638
1.00000	333.945036	44.897035	2.09E-15	.000000	1.65E-13	4560.365

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-333.945036	-48.704562	-2.24E-15	.000000	-1.22E-13	-3479.457
0.25000	-333.945036	-46.871228	-2.02E-15	.000000	-1.35E-13	-3766.183
0.50000	-333.945036	-45.037895	-1.80E-15	.000000	-1.46E-13	-4041.911
0.75000	-333.945036	-43.204561	-1.87E-15	.000000	-1.56E-13	-4306.638
1.00000	-333.945036	-44.897035	-2.09E-15	.000000	-1.65E-13	-4560.365

ELEM 260 ========== LENGTH = 49.604034

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	3707.713	1.216483	1.47E-16	.000000	.000000	.000000
0.50000	3703.046	2.70E-16	5.30E-33	.000000	1.83E-15	15.085621
1.00000	3698.380	1.216483	1.47E-16	.000000	6.07E-31	1.15E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-3707.713	-1.216483	-1.47E-16	.000000	.000000	.000000
0.50000	-3703.046	-2.70E-16	-5.30E-33	.000000	-1.83E-15	-15.085621
1.00000	-3698.380	-1.216483	-1.47E-16	.000000	-6.07E-31	-1.15E-14

ELEM 261 ========== LENGTH = 62.562000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	141.991592	6.082417	7.37E-16	.000000	.000000	.000000
0.25000	141.991592	3.041209	3.68E-16	.000000	8.64E-15	71.349034
0.50000	141.991592	2.66E-15	1.00E-31	.000000	1.15E-14	95.132045
0.75000	141.991592	3.041209	3.68E-16	.000000	8.64E-15	71.349034
1.00000	141.991592	6.082417	7.37E-16	.000000	4.86E-30	1.66E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-141.991592	-6.082417	-7.37E-16	.000000	.000000	.000000
0.25000	-141.991592	-3.041209	-3.68E-16	.000000	-8.64E-15	-71.349034
0.50000	-141.991592	-2.66E-15	-1.00E-31	.000000	-1.15E-14	-95.132045

```
0.75000 -141.991592   -3.041209   -3.68E-16     .000000   -8.64E-15  -71.349034
1.00000 -141.991592   -6.082417   -7.37E-16     .000000   -4.86E-30   -1.66E-13

ELEM     262 ================== LENGTH =    4.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  102.244296  231.494961    2.29E-14     .000000    9.16E-14  927.535400
0.25000  102.244296  231.689406    2.29E-14     .000000    6.87E-14  695.943217
0.50000  102.244296  231.883850    2.29E-14     .000000    4.59E-14  464.156589
0.75000  102.244296  232.078295    2.29E-14     .000000    2.29E-14  232.175517
1.00000  102.244296  232.272739    2.29E-14     .000000    1.92E-29    2.39E-15

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -102.244296 -231.494961   -2.29E-14     .000000   -9.16E-14 -927.535400
0.25000 -102.244296 -231.689406   -2.29E-14     .000000   -6.87E-14 -695.943217
0.50000 -102.244296 -231.883850   -2.29E-14     .000000   -4.59E-14 -464.156589
0.75000 -102.244296 -232.078295   -2.29E-14     .000000   -2.29E-14 -232.175517
1.00000 -102.244296 -232.272739   -2.29E-14     .000000   -1.92E-29   -2.39E-15

ELEM     263 ================== LENGTH =   49.604034

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3302.699    1.216483    1.47E-16     .000000     .000000     .000000
0.50000    3298.032    3.25E-17    2.39E-32     .000000    1.83E-15   15.085621
1.00000    3293.365    1.216483    1.47E-16     .000000    1.63E-30    1.41E-16

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3302.699   -1.216483   -1.47E-16     .000000     .000000     .000000
0.50000   -3298.032   -3.25E-17   -2.39E-32     .000000   -1.83E-15  -15.085621
1.00000   -3293.365   -1.216483   -1.47E-16     .000000   -1.63E-30   -1.41E-16

ELEM     264 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  333.945036  127.628955    5.26E-15     .000000    1.69E-13    4560.365
0.25000  333.945036  129.462289    5.04E-15     .000000    1.40E-13    3789.091
0.50000  333.945036  131.295622    5.25E-15     .000000    1.09E-13    3006.818
0.75000  333.945036  133.128956    5.47E-15     .000000    7.68E-14    2213.546
1.00000  333.945036  134.962289    5.69E-15     .000000    4.33E-14    1409.273

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -333.945036 -127.628955   -5.26E-15     .000000   -1.69E-13   -4560.365
0.25000 -333.945036 -129.462289   -5.04E-15     .000000   -1.40E-13   -3789.091
0.50000 -333.945036 -131.295622   -5.25E-15     .000000   -1.09E-13   -3006.818
0.75000 -333.945036 -133.128956   -5.47E-15     .000000   -7.68E-14   -2213.546
1.00000 -333.945036 -134.962289   -5.69E-15     .000000   -4.33E-14   -1409.273

ELEM     265 ================== LENGTH =   94.625000

COMBDEADLOAD ------------------ MAX
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	293.172301	14.456598	1.75E-15	.000000	.000000	.000000
0.25000	293.172301	7.228299	8.75E-16	.000000	3.11E-14	256.491679
0.50000	293.172301	3.89E-15	1.23E-32	.000000	4.14E-14	341.988905
0.75000	293.172301	7.228299	8.75E-16	.000000	3.11E-14	256.491679
1.00000	293.172301	14.456598	1.75E-15	.000000	1.87E-30	4.43E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-293.172301	-14.456598	-1.75E-15	.000000	.000000	.000000
0.25000	-293.172301	-7.228299	-8.75E-16	.000000	-3.11E-14	-256.491679
0.50000	-293.172301	-3.89E-15	-1.23E-32	.000000	-4.14E-14	-341.988905
0.75000	-293.172301	-7.228299	-8.75E-16	.000000	-3.11E-14	-256.491679
1.00000	-293.172301	-14.456598	-1.75E-15	.000000	-1.87E-30	-4.43E-13

ELEM 266 ========== LENGTH = 49.604034

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	3132.690	1.216483	1.47E-16	.000000	.000000	.000000
0.50000	3128.023	2.53E-16	8.41E-32	.000000	1.83E-15	15.085621
1.00000	3123.357	1.216483	1.47E-16	.000000	3.62E-30	1.37E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-3132.690	-1.216483	-1.47E-16	.000000	.000000	.000000
0.50000	-3128.023	-2.53E-16	-8.41E-32	.000000	-1.83E-15	-15.085621
1.00000	-3123.357	-1.216483	-1.47E-16	.000000	-3.62E-30	-1.37E-14

ELEM 267 ========== LENGTH = 35.588312

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2570.882	0.872764	1.06E-16	.000000	.000000	.000000
0.50000	2567.534	2.02E-16	3.78E-32	.000000	9.40E-16	7.765049
1.00000	2564.186	0.872764	1.06E-16	.000000	1.32E-30	7.04E-15

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2570.882	-0.872764	-1.06E-16	.000000	.000000	.000000
0.50000	-2567.534	-2.02E-16	-3.78E-32	.000000	-9.40E-16	-7.765049
1.00000	-2564.186	-0.872764	-1.06E-16	.000000	-1.32E-30	-7.04E-15

ELEM 268 ========== LENGTH = 6.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	333.945036	233.962289	1.16E-14	.000000	7.02E-14	1409.274
0.25000	333.945036	234.420623	1.17E-14	.000000	5.28E-14	1057.987
0.50000	333.945036	234.878956	1.17E-14	.000000	3.53E-14	706.011868
0.75000	333.945036	235.337289	1.18E-14	.000000	1.77E-14	353.349684
1.00000	333.945036	235.795623	1.18E-14	.000000	2.69E-27	5.13E-11

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-333.945036	-233.962289	-1.16E-14	.000000	-7.02E-14	-1409.274

```
0.25000 -333.945036 -234.420623   -1.17E-14     .000000   -5.28E-14   -1057.987
0.50000 -333.945036 -234.878956   -1.17E-14     .000000   -3.53E-14 -706.011868
0.75000 -333.945036 -235.337289   -1.18E-14     .000000   -1.77E-14 -353.349684
1.00000 -333.945036 -235.795623   -1.18E-14     .000000   -2.69E-27   -5.13E-11

ELEM     269 ================== LENGTH =   91.522018

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1265.612    2.244472    2.72E-16     .000000     .000000     .000000
0.50000    1257.002    7.48E-17    6.79E-32     .000000    6.22E-15   51.354661
1.00000    1248.392    2.244472    2.72E-16     .000000    6.06E-30    3.05E-15

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1265.612   -2.244472   -2.72E-16     .000000     .000000     .000000
0.50000   -1257.002   -7.48E-17   -6.79E-32     .000000   -6.22E-15  -51.354661
1.00000   -1248.392   -2.244472   -2.72E-16     .000000   -6.06E-30   -3.05E-15

ELEM     270 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  333.413816   48.704490    2.24E-15     .000000    1.22E-13    3479.456
0.25000  333.413816   46.871157    2.02E-15     .000000    1.35E-13    3766.182
0.50000  333.413816   45.037823    1.80E-15     .000000    1.46E-13    4041.909
0.75000  333.413816   43.204490    1.87E-15     .000000    1.56E-13    4306.636
1.00000  333.413816   44.896970    2.09E-15     .000000    1.65E-13    4560.363

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -333.413816  -48.704490   -2.24E-15     .000000   -1.22E-13   -3479.456
0.25000 -333.413816  -46.871157   -2.02E-15     .000000   -1.35E-13   -3766.182
0.50000 -333.413816  -45.037823   -1.80E-15     .000000   -1.46E-13   -4041.909
0.75000 -333.413816  -43.204490   -1.87E-15     .000000   -1.56E-13   -4306.636
1.00000 -333.413816  -44.896970   -2.09E-15     .000000   -1.65E-13   -4560.363

ELEM     271 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  333.413816  127.629016    5.26E-15     .000000    1.69E-13    4560.362
0.25000  333.413816  129.462349    5.04E-15     .000000    1.40E-13    3789.088
0.50000  333.413816  131.295683    5.25E-15     .000000    1.09E-13    3006.815
0.75000  333.413816  133.129016    5.47E-15     .000000    7.68E-14    2213.542
1.00000  333.413816  134.962350    5.69E-15     .000000    4.33E-14    1409.269

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -333.413816 -127.629016   -5.26E-15     .000000   -1.69E-13   -4560.362
0.25000 -333.413816 -129.462349   -5.04E-15     .000000   -1.40E-13   -3789.088
0.50000 -333.413816 -131.295683   -5.25E-15     .000000   -1.09E-13   -3006.815
0.75000 -333.413816 -133.129016   -5.47E-15     .000000   -7.68E-14   -2213.542
1.00000 -333.413816 -134.962350   -5.69E-15     .000000   -4.33E-14   -1409.269

ELEM     272 ================== LENGTH =    5.999980
```

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	333.413816	233.962350	1.16E-14	.000000	7.02E-14	1409.269
0.25000	333.413816	234.420681	1.17E-14	.000000	5.28E-14	1057.983
0.50000	333.413816	234.879013	1.17E-14	.000000	3.53E-14	706.009682
0.75000	333.413816	235.337345	1.18E-14	.000000	1.77E-14	353.348589
1.00000	333.413816	235.795677	1.18E-14	.000000	2.75E-27	5.76E-11

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-333.413816	-233.962350	-1.16E-14	.000000	-7.02E-14	-1409.269
0.25000	-333.413816	-234.420681	-1.17E-14	.000000	-5.28E-14	-1057.983
0.50000	-333.413816	-234.879013	-1.17E-14	.000000	-3.53E-14	-706.009682
0.75000	-333.413816	-235.337345	-1.18E-14	.000000	-1.77E-14	-353.348589
1.00000	-333.413816	-235.795677	-1.18E-14	.000000	-2.75E-27	-5.76E-11

ELEM 273 ========== LENGTH = 12.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	117.437327	56.333356	5.05E-15	.000000	6.23E-14	690.000276
0.25000	117.437327	56.916690	5.12E-15	.000000	4.71E-14	520.125207
0.50000	117.437327	57.500023	5.19E-15	.000000	3.16E-14	348.500138
0.75000	117.437327	58.083356	5.26E-15	.000000	1.59E-14	175.125069
1.00000	117.437327	58.666690	5.33E-15	.000000	1.02E-28	6.12E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-117.437327	-56.333356	-5.05E-15	.000000	-6.23E-14	-690.000276
0.25000	-117.437327	-56.916690	-5.12E-15	.000000	-4.71E-14	-520.125207
0.50000	-117.437327	-57.500023	-5.19E-15	.000000	-3.16E-14	-348.500138
0.75000	-117.437327	-58.083356	-5.26E-15	.000000	-1.59E-14	-175.125069
1.00000	-117.437327	-58.666690	-5.33E-15	.000000	-1.02E-28	-6.12E-13

ELEM 274 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	117.437327	155.457874	1.41E-14	.000000	1.51E-13	1733.333
0.25000	117.437327	154.291207	1.40E-14	.000000	2.28E-13	2574.618
0.50000	117.437327	153.124540	1.39E-14	.000000	3.03E-13	3408.902
0.75000	117.437327	151.957873	1.37E-14	.000000	3.78E-13	4236.188
1.00000	117.437327	150.791207	1.36E-14	.000000	4.52E-13	5056.473

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-117.437327	-155.457874	-1.41E-14	.000000	-1.51E-13	-1733.333
0.25000	-117.437327	-154.291207	-1.40E-14	.000000	-2.28E-13	-2574.618
0.50000	-117.437327	-153.124540	-1.39E-14	.000000	-3.03E-13	-3408.902
0.75000	-117.437327	-151.957873	-1.37E-14	.000000	-3.78E-13	-4236.188
1.00000	-117.437327	-150.791207	-1.36E-14	.000000	-4.52E-13	-5056.473

ELEM 275 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3

```
0.00000  117.437327   52.225495    4.80E-15     .000000    4.51E-13    5056.472
0.25000  117.437327   52.035870    4.67E-15     .000000    4.23E-13    4747.757
0.50000  117.437327   53.202536    4.81E-15     .000000    3.94E-13    4432.042
0.75000  117.437327   54.369203    4.95E-15     .000000    3.65E-13    4109.327
1.00000  117.437327   55.535870    5.10E-15     .000000    3.35E-13    3779.613

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -117.437327  -52.225495   -4.80E-15     .000000   -4.51E-13   -5056.472
0.25000 -117.437327  -52.035870   -4.67E-15     .000000   -4.23E-13   -4747.757
0.50000 -117.437327  -53.202536   -4.81E-15     .000000   -3.94E-13   -4432.042
0.75000 -117.437327  -54.369203   -4.95E-15     .000000   -3.65E-13   -4109.327
1.00000 -117.437327  -55.535870   -5.10E-15     .000000   -3.35E-13   -3779.613

ELEM     276 ================== LENGTH =   15.487600

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  117.437327  242.535870    2.17E-14     .000000    3.40E-13    3779.619
0.25000  117.437327  243.288739    2.18E-14     .000000    2.55E-13    2839.087
0.50000  117.437327  244.041609    2.19E-14     .000000    1.70E-13    1895.639
0.75000  117.437327  244.794478    2.20E-14     .000000    8.54E-14  949.277259
1.00000  117.437327  245.547348    2.21E-14     .000000    5.40E-28    2.19E-12

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -117.437327 -242.535870   -2.17E-14     .000000   -3.40E-13   -3779.619
0.25000 -117.437327 -243.288739   -2.18E-14     .000000   -2.55E-13   -2839.087
0.50000 -117.437327 -244.041609   -2.19E-14     .000000   -1.70E-13   -1895.639
0.75000 -117.437327 -244.794478   -2.20E-14     .000000   -8.54E-14 -949.277259
1.00000 -117.437327 -245.547348   -2.21E-14     .000000   -5.40E-28   -2.19E-12

ELEM     277 ================== LENGTH =   26.537200

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  151.994775  143.179521    1.28E-14     .000000     .000000     .000000
0.25000  151.994775  141.889518    1.27E-14     .000000    8.47E-14  945.616765
0.50000  151.994775  140.599516    1.25E-14     .000000    1.68E-13    1882.675
0.75000  151.994775  139.309513    1.24E-14     .000000    2.51E-13    2811.175
1.00000  151.994775  138.019510    1.22E-14     .000000    3.33E-13    3731.117

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -151.994775 -143.179521   -1.28E-14     .000000     .000000     .000000
0.25000 -151.994775 -141.889518   -1.27E-14     .000000   -8.47E-14 -945.616765
0.50000 -151.994775 -140.599516   -1.25E-14     .000000   -1.68E-13   -1882.675
0.75000 -151.994775 -139.309513   -1.24E-14     .000000   -2.51E-13   -2811.175
1.00000 -151.994775 -138.019510   -1.22E-14     .000000   -3.33E-13   -3731.117

ELEM     278 ================== LENGTH =   31.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  151.994775   99.642637    9.05E-15     .000000    3.32E-13    3731.113
0.25000  151.994775   98.135692    8.87E-15     .000000    3.26E-13    3663.424
0.50000  151.994775   98.976549    8.90E-15     .000000    3.19E-13    3584.057
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0.75000  151.994775  100.483493    9.08E-15     .000000    3.11E-13    3493.011
1.00000  151.994775  101.990438    9.26E-15     .000000    3.01E-13    3390.286

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -151.994775  -99.642637   -9.05E-15     .000000   -3.32E-13   -3731.113
0.25000 -151.994775  -98.135692   -8.87E-15     .000000   -3.26E-13   -3663.424
0.50000 -151.994775  -98.976549   -8.90E-15     .000000   -3.19E-13   -3584.057
0.75000 -151.994775 -100.483493   -9.08E-15     .000000   -3.11E-13   -3493.011
1.00000 -151.994775 -101.990438   -9.26E-15     .000000   -3.01E-13   -3390.286

ELEM     279 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  473.725799   35.000038    3.23E-15     .000000     .000000     .000000
0.25000  473.725799   32.666704    2.95E-15     .000000    3.71E-14  406.000450
0.50000  473.725799   30.333371    2.66E-15     .000000    7.07E-14  784.000898
0.75000  473.725799   28.000039    2.61E-15     .000000    1.01E-13    1134.001
1.00000  473.725799   30.333372    2.89E-15     .000000    1.28E-13    1456.002

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -473.725799  -35.000038   -3.23E-15     .000000     .000000     .000000
0.25000 -473.725799  -32.666704   -2.95E-15     .000000   -3.71E-14 -406.000450
0.50000 -473.725799  -30.333371   -2.66E-15     .000000   -7.07E-14 -784.000898
0.75000 -473.725799  -28.000039   -2.61E-15     .000000   -1.01E-13   -1134.001
1.00000 -473.725799  -30.333372   -2.89E-15     .000000   -1.28E-13   -1456.002

ELEM     280 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  473.725799   58.333394    5.12E-15     .000000    1.30E-13    1456.001
0.25000  473.725799   59.500060    5.26E-15     .000000    9.85E-14    1102.501
0.50000  473.725799   60.666727    5.40E-15     .000000    6.65E-14  742.000728
0.75000  473.725799   61.833394    5.54E-15     .000000    3.37E-14  374.500364
1.00000  473.725799   63.000061    5.69E-15     .000000    2.23E-28    3.20E-12

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -473.725799  -58.333394   -5.12E-15     .000000   -1.30E-13   -1456.001
0.25000 -473.725799  -59.500060   -5.26E-15     .000000   -9.85E-14   -1102.501
0.50000 -473.725799  -60.666727   -5.40E-15     .000000   -6.65E-14 -742.000728
0.75000 -473.725799  -61.833394   -5.54E-15     .000000   -3.37E-14 -374.500364
1.00000 -473.725799  -63.000061   -5.69E-15     .000000   -2.23E-28   -3.20E-12

ELEM     281 ================== LENGTH =   16.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8448.766    3.53E-05     .000000     .000000     .000000    0.000582
0.50000    8446.895    3.53E-05     .000000     .000000     .000000    0.000291
1.00000    8445.023    3.53E-05     .000000     .000000     .000000    5.25E-13

COMBDEADLOAD ------------------ MIN
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REL DIST          P          V2          V3           T          M2          M3
0.00000   -8448.766   -3.53E-05     .000000     .000000     .000000   -0.000582
0.50000   -8446.895   -3.53E-05     .000000     .000000     .000000   -0.000291
1.00000   -8445.023   -3.53E-05     .000000     .000000     .000000   -5.25E-13

ELEM     282 ================== LENGTH =   31.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6662.996    3.35E-05     .000000     .000000     .000000     .000000
0.50000    6659.423    3.35E-05     .000000     .000000     .000000    0.000528
1.00000    6655.850    3.35E-05     .000000     .000000     .000000    0.001056

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6662.996   -3.35E-05     .000000     .000000     .000000     .000000
0.50000   -6659.423   -3.35E-05     .000000     .000000     .000000   -0.000528
1.00000   -6655.850   -3.35E-05     .000000     .000000     .000000   -0.001056

ELEM     283 ================== LENGTH =   16.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6655.850    3.35E-05     .000000     .000000     .000000    0.000553
0.50000    6653.979    3.35E-05     .000000     .000000     .000000    0.000277
1.00000    6652.107    3.35E-05     .000000     .000000     .000000    4.06E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6655.850   -3.35E-05     .000000     .000000     .000000   -0.000553
0.50000   -6653.979   -3.35E-05     .000000     .000000     .000000   -0.000277
1.00000   -6652.107   -3.35E-05     .000000     .000000     .000000   -4.06E-13

ELEM     284 ================== LENGTH =   79.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  433.680594    3.68E-07     .000000     .000000     .000000     .000000
0.50000  424.663233    3.68E-07     .000000     .000000     .000000    1.46E-05
1.00000  415.645871    3.68E-07     .000000     .000000     .000000    2.92E-05

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -433.680594   -3.68E-07     .000000     .000000     .000000     .000000
0.50000 -424.663233   -3.68E-07     .000000     .000000     .000000   -1.46E-05
1.00000 -415.645871   -3.68E-07     .000000     .000000     .000000   -2.92E-05

ELEM     285 ================== LENGTH =   16.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  415.645871    3.68E-07     .000000     .000000     .000000    6.07E-06
0.50000  413.774343    3.68E-07     .000000     .000000     .000000    3.03E-06
1.00000  411.902815    3.68E-07     .000000     .000000     .000000    7.95E-14

COMBDEADLOAD ------------------ MIN
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	-415.645871	-3.68E-07	.000000	.000000	.000000	-6.07E-06
0.50000	-413.774343	-3.68E-07	.000000	.000000	.000000	-3.03E-06
1.00000	-411.902815	-3.68E-07	.000000	.000000	.000000	-7.95E-14

ELEM 286 ========== LENGTH = 79.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2531.681	1.92E-07	.000000	.000000	.000000	.000000
0.50000	2522.663	1.92E-07	.000000	.000000	.000000	7.64E-06
1.00000	2513.646	1.92E-07	.000000	.000000	.000000	1.53E-05

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2531.681	-1.92E-07	.000000	.000000	.000000	.000000
0.50000	-2522.663	-1.92E-07	.000000	.000000	.000000	-7.64E-06
1.00000	-2513.646	-1.92E-07	.000000	.000000	.000000	-1.53E-05

ELEM 287 ========== LENGTH = 16.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2513.646	1.92E-07	.000000	.000000	.000000	3.17E-06
0.50000	2511.774	1.92E-07	.000000	.000000	.000000	1.59E-06
1.00000	2509.903	1.92E-07	.000000	.000000	.000000	3.79E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2513.646	-1.92E-07	.000000	.000000	.000000	-3.17E-06
0.50000	-2511.774	-1.92E-07	.000000	.000000	.000000	-1.59E-06
1.00000	-2509.903	-1.92E-07	.000000	.000000	.000000	-3.79E-14

ELEM 288 ========== LENGTH = 79.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	3040.681	1.92E-07	.000000	.000000	.000000	.000000
0.50000	3031.663	1.92E-07	.000000	.000000	.000000	7.64E-06
1.00000	3022.646	1.92E-07	.000000	.000000	.000000	1.53E-05

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-3040.681	-1.92E-07	.000000	.000000	.000000	.000000
0.50000	-3031.663	-1.92E-07	.000000	.000000	.000000	-7.64E-06
1.00000	-3022.646	-1.92E-07	.000000	.000000	.000000	-1.53E-05

ELEM 289 ========== LENGTH = 16.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	3022.646	1.92E-07	.000000	.000000	.000000	3.17E-06
0.50000	3020.774	1.92E-07	.000000	.000000	.000000	1.59E-06
1.00000	3018.903	1.92E-07	.000000	.000000	.000000	4.51E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-3022.646	-1.92E-07	.000000	.000000	.000000	-3.17E-06
0.50000	-3020.774	-1.92E-07	.000000	.000000	.000000	-1.59E-06
1.00000	-3018.903	-1.92E-07	.000000	.000000	.000000	-4.51E-14

ELEM 290 ========== LENGTH = 79.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	433.680599	3.68E-07	.000000	.000000	.000000	.000000
0.50000	424.663238	3.68E-07	.000000	.000000	.000000	1.46E-05
1.00000	415.645876	3.68E-07	.000000	.000000	.000000	2.93E-05

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-433.680599	-3.68E-07	.000000	.000000	.000000	.000000
0.50000	-424.663238	-3.68E-07	.000000	.000000	.000000	-1.46E-05
1.00000	-415.645876	-3.68E-07	.000000	.000000	.000000	-2.93E-05

ELEM 291 ========== LENGTH = 16.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	415.645876	3.68E-07	.000000	.000000	.000000	6.07E-06
0.50000	413.774348	3.68E-07	.000000	.000000	.000000	3.04E-06
1.00000	411.902820	3.68E-07	.000000	.000000	.000000	5.96E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-415.645876	-3.68E-07	.000000	.000000	.000000	-6.07E-06
0.50000	-413.774348	-3.68E-07	.000000	.000000	.000000	-3.04E-06
1.00000	-411.902820	-3.68E-07	.000000	.000000	.000000	-5.96E-14

ELEM 292 ========== LENGTH = 31.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7505.841	3.85E-05	.000000	.000000	.000000	.000000
0.50000	7502.268	3.85E-05	.000000	.000000	.000000	0.000607
1.00000	7498.695	3.85E-05	.000000	.000000	.000000	0.001214

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7505.841	-3.85E-05	.000000	.000000	.000000	.000000
0.50000	-7502.268	-3.85E-05	.000000	.000000	.000000	-0.000607
1.00000	-7498.695	-3.85E-05	.000000	.000000	.000000	-0.001214

ELEM 293 ========== LENGTH = 16.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7498.695	3.85E-05	.000000	.000000	.000000	0.000636
0.50000	7496.824	3.85E-05	.000000	.000000	.000000	0.000318
1.00000	7494.952	3.85E-05	.000000	.000000	.000000	4.42E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7498.695	-3.85E-05	.000000	.000000	.000000	-0.000636
0.50000	-7496.824	-3.85E-05	.000000	.000000	.000000	-0.000318
1.00000	-7494.952	-3.85E-05	.000000	.000000	.000000	-4.42E-13

ELEM 294 ========== LENGTH = 31.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9102.031	4.04E-05	.000000	.000000	.000000	.000000
0.50000	9098.458	4.04E-05	.000000	.000000	.000000	0.000636
1.00000	9094.885	4.04E-05	.000000	.000000	.000000	0.001272

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9102.031	-4.04E-05	.000000	.000000	.000000	.000000
0.50000	-9098.458	-4.04E-05	.000000	.000000	.000000	-0.000636
1.00000	-9094.885	-4.04E-05	.000000	.000000	.000000	-0.001272

ELEM 295 ========== LENGTH = 16.500000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9094.885	4.04E-05	.000000	.000000	.000000	0.000667
0.50000	9093.013	4.04E-05	.000000	.000000	.000000	0.000333
1.00000	9091.142	4.04E-05	.000000	.000000	.000000	6.13E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9094.885	-4.04E-05	.000000	.000000	.000000	-0.000667
0.50000	-9093.013	-4.04E-05	.000000	.000000	.000000	-0.000333
1.00000	-9091.142	-4.04E-05	.000000	.000000	.000000	-6.13E-13

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                    S A P 2 0 0 0

                Structural Analysis Programs

                       Version 7.40

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 S Y S T E M   D A T A


 STEADY STATE LOAD FREQUENCY  - - - - - - - -  0.0000E+00

 LENGTH UNITS - - - - - - - - - - - - - - - -          IN
 FORCE  UNITS - - - - - - - - - - - - - - - -          LB

 UP DIRECTION - - - - - - - - - - - - - - - -          +Z

 GLOBAL DEGREES OF FREEDOM  - - - - - - - - -          UX
                            - - - - - - - - -          UZ
                            - - - - - - - - -          RY

 PAGINATION BY  - - - - - - - - - - - - - - -    SECTIONS
 NUMBER OF LINES PER PAGE - - - - - - - - - -          59
 INCLUDE WARNING MESSAGES IN OUTPUT FILE  - -           Y
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G E N E R A T E D J O I N T C O O R D I N A T E S

JOINT	X	Y	Z
1	346.625	120.000	483.000
2	130.625	120.000	548.219
3	562.625	120.000	548.219
A3	166.625	120.000	0.000
A4	238.625	120.000	0.000
A5	310.625	120.000	0.000
A6	382.625	120.000	0.000
A7	454.625	120.000	0.000
A8	526.625	120.000	0.000
B3	166.625	120.000	50.500
B4	238.625	120.000	50.500
B5	310.625	120.000	50.500
B6	382.625	120.000	50.500
B7	454.625	120.000	50.500
B8	526.625	120.000	50.500
C3	166.625	120.000	98.500
C4	238.625	120.000	98.500
C7	454.625	120.000	98.500
C8	526.625	120.000	98.500
D2	94.625	120.000	146.500
D3	166.625	120.000	146.500
D4	238.625	120.000	146.500
D5	310.625	120.000	146.500
D6	382.625	120.000	146.500
D7	454.625	120.000	146.500
D8	526.625	120.000	146.500
D9	598.625	120.000	146.500
E2	94.625	120.000	162.250
E3	166.625	120.000	162.250
E4	238.625	120.000	162.250
E5	310.625	120.000	162.250
E6	382.625	120.000	162.250
E7	454.625	120.000	162.250
E8	526.625	120.000	162.250
E9	598.625	120.000	162.250
F2	94.625	120.000	195.000
F3	166.625	120.000	195.000
F8	526.625	120.000	195.000
F9	598.625	120.000	195.000
G2	94.625	120.000	243.000
G3	166.625	120.000	243.000
G4	238.625	120.000	243.000
G5	310.625	120.000	243.000
G6	382.625	120.000	243.000
G7	454.625	120.000	243.000
G8	526.625	120.000	243.000
G9	598.625	120.000	243.000
H2	94.625	120.000	291.000
H3	166.625	120.000	291.000
H8	526.625	120.000	291.000
H9	598.625	120.000	291.000
I1	82.113	120.000	339.000
I2	94.625	120.000	339.000
I3	166.625	120.000	339.000
I4	238.625	120.000	339.000
I5	310.625	120.000	339.000

I6	382.625	120.000	339.000
I7	454.625	120.000	339.000
I8	526.625	120.000	339.000
I9	598.625	120.000	339.000
J1	69.600	120.000	387.000
J2	94.625	120.000	387.000
J3	166.625	120.000	387.000
J8	526.625	120.000	387.000
J9	598.625	120.000	387.000
K1	57.088	120.000	435.000
K2	94.625	120.000	435.000
K3	166.625	120.000	435.000
K4	238.625	120.000	435.000
K5	310.625	120.000	435.000
K6	382.625	120.000	435.000
K7	454.625	120.000	435.000
K8	526.625	120.000	435.000
K9	598.625	120.000	435.000
L1	44.575	120.000	483.000
L2	94.625	120.000	483.000
L3	166.625	120.000	483.000
L8	526.625	120.000	483.000
L9	598.625	120.000	483.000
M1	32.063	120.000	531.000
M2	94.625	120.000	531.000
M3	166.625	120.000	531.000
M4	238.625	120.000	531.000
M5	310.625	120.000	531.000
M6	382.625	120.000	531.000
M7	454.625	120.000	531.000
M8	526.625	120.000	531.000
M9	598.625	120.000	531.000
N1	23.086	120.000	565.437
N2	94.625	120.000	565.437
N3	166.625	120.000	565.437
N8	526.625	120.000	565.437
N9	598.625	120.000	565.437
O4	238.625	120.000	641.000
O7	454.625	120.000	641.000
P1	0.000	120.000	654.000
P2	94.625	120.000	654.000
P3	166.625	120.000	654.000
P4	238.625	120.000	654.000
P5	310.625	120.000	654.000
P6	382.625	120.000	654.000
P7	454.625	120.000	654.000
P8	526.625	120.000	654.000
P9	598.625	120.000	654.000
E2A	130.625	120.000	162.250
E2B	154.625	120.000	162.250
E3A	178.625	120.000	162.250
E3B	202.625	120.000	162.250
E3C	226.625	120.000	162.250
E4A	250.625	120.000	162.250
E4B	280.625	120.000	162.250
E6A	412.625	120.000	162.250
E6B	442.625	120.000	162.250
E7A	466.625	120.000	162.250
E7B	490.625	120.000	162.250
E7C	514.625	120.000	162.250
E8A	538.625	120.000	162.250
E8B	562.625	120.000	162.250
G2A	109.625	120.000	243.000

G2B	133.625	120.000	243.000
G2C	157.625	120.000	243.000
G3A	181.625	120.000	243.000
G3B	205.625	120.000	243.000
G3C	229.625	120.000	243.000
G4A	264.625	120.000	243.000
G6A	428.625	120.000	243.000
G7A	463.625	120.000	243.000
G7B	487.625	120.000	243.000
G7C	511.625	120.000	243.000
G8A	535.625	120.000	243.000
G8B	559.625	120.000	243.000
G8C	583.625	120.000	243.000
I10	611.137	120.000	339.000
I1A	86.113	120.000	339.000
I2A	110.113	120.000	339.000
I2B	134.113	120.000	339.000
I2C	158.113	120.000	339.000
I3A	182.113	120.000	339.000
I3B	206.113	120.000	339.000
I3C	230.113	120.000	339.000
I4A	250.625	120.000	339.000
I6A	442.625	120.000	339.000
I7A	463.137	120.000	339.000
I7B	487.137	120.000	339.000
I7C	511.137	120.000	339.000
I8A	535.137	120.000	339.000
I8B	559.137	120.000	339.000
I8C	583.137	120.000	339.000
I9A	607.137	120.000	339.000
J10	623.650	120.000	387.000
K10	636.162	120.000	435.000
K1A	61.088	120.000	435.000
K1B	85.088	120.000	435.000
K2A	109.088	120.000	435.000
K2B	133.088	120.000	435.000
K2C	157.088	120.000	435.000
K3A	181.088	120.000	435.000
K3B	212.088	120.000	435.000
K7A	481.162	120.000	435.000
K7B	512.162	120.000	435.000
K8A	536.162	120.000	435.000
K8B	560.162	120.000	435.000
K8C	584.162	120.000	435.000
K9A	608.162	120.000	435.000
K9B	632.162	120.000	435.000
L10	648.675	120.000	483.000
M10	661.187	120.000	531.000
M3A	190.625	120.000	531.000
M7A	502.625	120.000	531.000
N10	670.164	120.000	565.437
N1A	29.086	120.000	565.437
N1B	53.086	120.000	565.437
N1C	77.086	120.000	565.437
N2A	101.086	120.000	565.437
N2B	125.086	120.000	565.437
N2C	149.086	120.000	565.437
N8A	544.164	120.000	565.437
N8B	568.164	120.000	565.437
N8C	592.164	120.000	565.437
N9A	616.164	120.000	565.437
N9B	640.164	120.000	565.437
N9C	664.164	120.000	565.437

```
     P10        693.250        120.000        654.000
   2SEC1         94.625        120.000        514.500
   3SEC1        166.625        120.000        514.500
   4SEC1        238.625        120.000        514.500
   5SEC1        310.625        120.000        514.500
   6SEC1        382.625        120.000        514.500
   7SEC1        454.625        120.000        514.500
   8SEC1        526.625        120.000        514.500
   9SEC1        598.625        120.000        514.500


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 P A T T E R N S

 PATTERN     JOINT       VALUE
 DEFAULT


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 R E S T R A I N T   D A T A

   JOINT
      A3        U1        U2        U3
      A4        U1        U2        U3
      A5        U1        U2        U3
      A6        U1        U2        U3
      A7        U1        U2        U3
      A8        U1        U2        U3
      D2        U1        U2        U3
      D9        U1        U2        U3


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 C O N S T R A I N T   D A T A

  CONSTR    TYPE    CSYS  AXIS  DEGREES OF FREEDOM

     PO4   EQUAL       0         UX
     PO7   EQUAL       0         UX


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 C O N S T R A I N T   D A T A

  CONSTR
         JOINTS
     PO4
              O4      P4
     PO7
              O7      P7
```

J O I N T M A S S E S

JOINT	U1	U2	U3	R1	R2	R3
D2	0.615E-01	0.615E-01	0.615E-01	0.000E+00	0.000E+00	0.000E+00
D9	0.615E-01	0.615E-01	0.615E-01	0.000E+00	0.000E+00	0.000E+00
E2	0.189E+00	0.189E+00	0.189E+00	0.000E+00	0.000E+00	0.000E+00
E9	0.189E+00	0.189E+00	0.189E+00	0.000E+00	0.000E+00	0.000E+00
F2	0.315E+00	0.315E+00	0.315E+00	0.000E+00	0.000E+00	0.000E+00
F9	0.315E+00	0.315E+00	0.315E+00	0.000E+00	0.000E+00	0.000E+00
G2	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
G9	0.375E+00	0.375E+00	0.375E+00	0.000E+00	0.000E+00	0.000E+00
H2	0.533E+00	0.533E+00	0.533E+00	0.000E+00	0.000E+00	0.000E+00
H9	0.533E+00	0.533E+00	0.533E+00	0.000E+00	0.000E+00	0.000E+00
I1	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
J1	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
K1	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
L1	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
M1	0.137E+01	0.137E+01	0.137E+01	0.000E+00	0.000E+00	0.000E+00
M2	0.145E+01	0.145E+01	0.145E+01	0.000E+00	0.000E+00	0.000E+00
M3	0.828E+00	0.828E+00	0.828E+00	0.000E+00	0.000E+00	0.000E+00
M4	0.828E+00	0.828E+00	0.828E+00	0.000E+00	0.000E+00	0.000E+00
M5	0.149E+01	0.149E+01	0.149E+01	0.000E+00	0.000E+00	0.000E+00
M6	0.280E+01	0.280E+01	0.280E+01	0.000E+00	0.000E+00	0.000E+00
M7	0.828E+00	0.828E+00	0.828E+00	0.000E+00	0.000E+00	0.000E+00
M8	0.828E+00	0.828E+00	0.828E+00	0.000E+00	0.000E+00	0.000E+00
M9	0.145E+01	0.145E+01	0.145E+01	0.000E+00	0.000E+00	0.000E+00
N1	0.264E+01	0.264E+01	0.264E+01	0.000E+00	0.000E+00	0.000E+00
N2	0.141E+02	0.141E+02	0.141E+02	0.000E+00	0.000E+00	0.000E+00
N3	0.119E+02	0.119E+02	0.119E+02	0.000E+00	0.000E+00	0.000E+00
N8	0.119E+02	0.119E+02	0.119E+02	0.000E+00	0.000E+00	0.000E+00
N9	0.141E+02	0.141E+02	0.141E+02	0.000E+00	0.000E+00	0.000E+00
P1	0.262E+01	0.262E+01	0.262E+01	0.000E+00	0.000E+00	0.000E+00
P2	0.452E+01	0.452E+01	0.452E+01	0.000E+00	0.000E+00	0.000E+00
P3	0.393E+01	0.393E+01	0.393E+01	0.000E+00	0.000E+00	0.000E+00
P5	0.326E+01	0.326E+01	0.326E+01	0.000E+00	0.000E+00	0.000E+00
P6	0.326E+01	0.326E+01	0.326E+01	0.000E+00	0.000E+00	0.000E+00
P8	0.611E+01	0.611E+01	0.611E+01	0.000E+00	0.000E+00	0.000E+00
P9	0.619E+01	0.619E+01	0.619E+01	0.000E+00	0.000E+00	0.000E+00
E2A	0.159E+00	0.159E+00	0.159E+00	0.000E+00	0.000E+00	0.000E+00
E2B	0.273E+00	0.273E+00	0.273E+00	0.000E+00	0.000E+00	0.000E+00
E3A	0.238E+00	0.238E+00	0.238E+00	0.000E+00	0.000E+00	0.000E+00
E3B	0.238E+00	0.238E+00	0.238E+00	0.000E+00	0.000E+00	0.000E+00
E3C	0.203E+00	0.203E+00	0.203E+00	0.000E+00	0.000E+00	0.000E+00
E4A	0.203E+00	0.203E+00	0.203E+00	0.000E+00	0.000E+00	0.000E+00
E4B	0.201E+00	0.201E+00	0.201E+00	0.000E+00	0.000E+00	0.000E+00
E6A	0.201E+00	0.201E+00	0.201E+00	0.000E+00	0.000E+00	0.000E+00
E6B	0.203E+00	0.203E+00	0.203E+00	0.000E+00	0.000E+00	0.000E+00
E7A	0.203E+00	0.203E+00	0.203E+00	0.000E+00	0.000E+00	0.000E+00
E7B	0.238E+00	0.238E+00	0.238E+00	0.000E+00	0.000E+00	0.000E+00
E7C	0.238E+00	0.238E+00	0.238E+00	0.000E+00	0.000E+00	0.000E+00
E8A	0.273E+00	0.273E+00	0.273E+00	0.000E+00	0.000E+00	0.000E+00
E8B	0.159E+00	0.159E+00	0.159E+00	0.000E+00	0.000E+00	0.000E+00
G2A	0.349E+00	0.349E+00	0.349E+00	0.000E+00	0.000E+00	0.000E+00
G2B	0.598E+00	0.598E+00	0.598E+00	0.000E+00	0.000E+00	0.000E+00
G2C	0.521E+00	0.521E+00	0.521E+00	0.000E+00	0.000E+00	0.000E+00
G3A	0.521E+00	0.521E+00	0.521E+00	0.000E+00	0.000E+00	0.000E+00
G3B	0.444E+00	0.444E+00	0.444E+00	0.000E+00	0.000E+00	0.000E+00
G3C	0.444E+00	0.444E+00	0.444E+00	0.000E+00	0.000E+00	0.000E+00

G4A	0.295E+00	0.295E+00	0.295E+00	0.000E+00	0.000E+00	0.000E+00
G6A	0.295E+00	0.295E+00	0.295E+00	0.000E+00	0.000E+00	0.000E+00
G7A	0.444E+00	0.444E+00	0.444E+00	0.000E+00	0.000E+00	0.000E+00
G7B	0.444E+00	0.444E+00	0.444E+00	0.000E+00	0.000E+00	0.000E+00
G7C	0.521E+00	0.521E+00	0.521E+00	0.000E+00	0.000E+00	0.000E+00
G8A	0.521E+00	0.521E+00	0.521E+00	0.000E+00	0.000E+00	0.000E+00
G8B	0.598E+00	0.598E+00	0.598E+00	0.000E+00	0.000E+00	0.000E+00
G8C	0.349E+00	0.349E+00	0.349E+00	0.000E+00	0.000E+00	0.000E+00
I10	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
I1A	0.379E+00	0.379E+00	0.379E+00	0.000E+00	0.000E+00	0.000E+00
I2A	0.650E+00	0.650E+00	0.650E+00	0.000E+00	0.000E+00	0.000E+00
I2B	0.566E+00	0.566E+00	0.566E+00	0.000E+00	0.000E+00	0.000E+00
I2C	0.566E+00	0.566E+00	0.566E+00	0.000E+00	0.000E+00	0.000E+00
I3A	0.483E+00	0.483E+00	0.483E+00	0.000E+00	0.000E+00	0.000E+00
I3B	0.483E+00	0.483E+00	0.483E+00	0.000E+00	0.000E+00	0.000E+00
I3C	0.161E+00	0.161E+00	0.161E+00	0.000E+00	0.000E+00	0.000E+00
I4A	0.161E+00	0.161E+00	0.161E+00	0.000E+00	0.000E+00	0.000E+00
I6A	0.161E+00	0.161E+00	0.161E+00	0.000E+00	0.000E+00	0.000E+00
I7A	0.161E+00	0.161E+00	0.161E+00	0.000E+00	0.000E+00	0.000E+00
I7B	0.483E+00	0.483E+00	0.483E+00	0.000E+00	0.000E+00	0.000E+00
I7C	0.483E+00	0.483E+00	0.483E+00	0.000E+00	0.000E+00	0.000E+00
I8A	0.566E+00	0.566E+00	0.566E+00	0.000E+00	0.000E+00	0.000E+00
I8B	0.566E+00	0.566E+00	0.566E+00	0.000E+00	0.000E+00	0.000E+00
I8C	0.650E+00	0.650E+00	0.650E+00	0.000E+00	0.000E+00	0.000E+00
I9A	0.379E+00	0.379E+00	0.379E+00	0.000E+00	0.000E+00	0.000E+00
J10	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
K10	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
K1A	0.445E+00	0.445E+00	0.445E+00	0.000E+00	0.000E+00	0.000E+00
K1B	0.763E+00	0.763E+00	0.763E+00	0.000E+00	0.000E+00	0.000E+00
K2A	0.665E+00	0.665E+00	0.665E+00	0.000E+00	0.000E+00	0.000E+00
K2B	0.665E+00	0.665E+00	0.665E+00	0.000E+00	0.000E+00	0.000E+00
K2C	0.567E+00	0.567E+00	0.567E+00	0.000E+00	0.000E+00	0.000E+00
K3A	0.567E+00	0.567E+00	0.567E+00	0.000E+00	0.000E+00	0.000E+00
K3B	0.377E+00	0.377E+00	0.377E+00	0.000E+00	0.000E+00	0.000E+00
K7A	0.377E+00	0.377E+00	0.377E+00	0.000E+00	0.000E+00	0.000E+00
K7B	0.567E+00	0.567E+00	0.567E+00	0.000E+00	0.000E+00	0.000E+00
K8A	0.567E+00	0.567E+00	0.567E+00	0.000E+00	0.000E+00	0.000E+00
K8B	0.665E+00	0.665E+00	0.665E+00	0.000E+00	0.000E+00	0.000E+00
K8C	0.665E+00	0.665E+00	0.665E+00	0.000E+00	0.000E+00	0.000E+00
K9A	0.763E+00	0.763E+00	0.763E+00	0.000E+00	0.000E+00	0.000E+00
K9B	0.445E+00	0.445E+00	0.445E+00	0.000E+00	0.000E+00	0.000E+00
L10	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
M10	0.137E+01	0.137E+01	0.137E+01	0.000E+00	0.000E+00	0.000E+00
M3A	0.216E+00	0.216E+00	0.216E+00	0.000E+00	0.000E+00	0.000E+00
M7A	0.216E+00	0.216E+00	0.216E+00	0.000E+00	0.000E+00	0.000E+00
N10	0.264E+01	0.264E+01	0.264E+01	0.000E+00	0.000E+00	0.000E+00
N1A	0.255E+00	0.255E+00	0.255E+00	0.000E+00	0.000E+00	0.000E+00
N1B	0.438E+00	0.438E+00	0.438E+00	0.000E+00	0.000E+00	0.000E+00
N1C	0.382E+00	0.382E+00	0.382E+00	0.000E+00	0.000E+00	0.000E+00
N2A	0.382E+00	0.382E+00	0.382E+00	0.000E+00	0.000E+00	0.000E+00
N2B	0.325E+00	0.325E+00	0.325E+00	0.000E+00	0.000E+00	0.000E+00
N2C	0.325E+00	0.325E+00	0.325E+00	0.000E+00	0.000E+00	0.000E+00
N8A	0.325E+00	0.325E+00	0.325E+00	0.000E+00	0.000E+00	0.000E+00
N8B	0.325E+00	0.325E+00	0.325E+00	0.000E+00	0.000E+00	0.000E+00
N8C	0.382E+00	0.382E+00	0.382E+00	0.000E+00	0.000E+00	0.000E+00
N9A	0.382E+00	0.382E+00	0.382E+00	0.000E+00	0.000E+00	0.000E+00
N9B	0.438E+00	0.438E+00	0.438E+00	0.000E+00	0.000E+00	0.000E+00
N9C	0.255E+00	0.255E+00	0.255E+00	0.000E+00	0.000E+00	0.000E+00
P10	0.309E+01	0.309E+01	0.309E+01	0.000E+00	0.000E+00	0.000E+00

J O I N T S P R I N G S

```
  JOINT
      1              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

  JOINT
      2              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

  JOINT
      3              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

  JOINT
     A3              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

  JOINT
     A4              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

  JOINT
     A5              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

  JOINT
     A6              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

  JOINT
     A7              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

  JOINT
     A8              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

  JOINT
     B3              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

  JOINT
     B4              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

  JOINT
     B5              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

  JOINT
     B6              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

  JOINT
     B7              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

  JOINT
     B8              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00
```

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JOINT
   C3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   C4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   C7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   C8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   D2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   D3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   D4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   D5              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   D6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   D7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   D8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   D9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E5              U1         U2         U3         R1         R2         R3
```

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        R2                                                  0.100E+01  0.000E+00

JOINT
   E6              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   E7              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   E8              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   E9              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   F2              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   F3              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   F8              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   F9              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   G2              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   G3              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   G4              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   G5              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   G6              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   G7              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   G8              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
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   G9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   H2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   H3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   H8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   H9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   I1              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   I2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   I3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   I4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   I5              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   I6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   I7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   I8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   I9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   J1              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   J2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00
```

```
JOINT
   J3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   J8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   J9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K1              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K5              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   L1              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   L2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   L3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   L8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00
```

```
JOINT
   L9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   M1              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   M2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   M3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   M4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   M5              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   M6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   M7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   M8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   M9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   N1              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   N2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   N3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   N8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   N9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   O4              U1         U2         U3         R1         R2         R3
```

```
        R2                                                  0.100E+01  0.000E+00

JOINT
   O7               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   P1               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   P2               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   P3               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   P4               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   P5               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   P6               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   P7               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   P8               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   P9               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  E2A               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  E2B               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  E3A               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  E3B               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  E3C               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
```

```
  E4A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E4B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E6A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E6B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E7A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E7B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E7C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E8A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E8B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G2A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G2B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G2C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G3A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G3B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G3C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G4A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00
```

```
JOINT
  G6A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G7A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G7B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G7C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G8A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G8B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G8C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I10              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I1A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I2A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I2B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I2C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I3A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I3B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I3C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I4A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00
```

```
JOINT
  I6A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I7A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I7B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I7C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I8A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I8B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I8C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I9A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  J10              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K10              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K1A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K1B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K2A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K2B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K2C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K3A              U1         U2         U3         R1         R2         R3
```

```
        R2                                                  0.100E+01  0.000E+00

JOINT
  K3B              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  K7A              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  K7B              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  K8A              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  K8B              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  K8C              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  K9A              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  K9B              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  L10              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  M10              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  M3A              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  M7A              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  N10              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  N1A              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  N1B              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
```

```
  N1C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N2A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N2B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N2C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N8A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N8B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N8C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N9A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N9B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N9C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  P10              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
2SEC1              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
3SEC1              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
4SEC1              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
5SEC1              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
6SEC1              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00
```

```
   JOINT
   7SEC1              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

   JOINT
   8SEC1              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

   JOINT
   9SEC1              U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00
```

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M A T E R I A L P R O P E R T Y D A T A

MAT LABEL	NUMBER TEMPS	WEIGHT PER UNIT VOL	MASS PER UNIT VOL	DESIGN CODE
STEEL	1	0.2830E+00	0.7324E-03	S
CONC	1	0.8680E-01	0.2246E-03	C
OTHER	1	0.8680E-01	0.2246E-03	N
WOOD	1	0.1852E-01	0.4793E-04	N

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T E M P E R A T U R E D E P E N D E N T D A T A

MATERIAL PROPERTIES

MAT LABEL	TEMP	MODULUS OF ELASTICITY E1	E2	E3	SHEAR MODULII G12	G13	G23
STEEL	0.00	0.290E+08	0.290E+08	0.290E+08	0.112E+08	0.112E+08	0.112E+08
CONC	0.00	0.360E+07	0.360E+07	0.360E+07	0.150E+07	0.150E+07	0.150E+07
OTHER	0.00	0.360E+07	0.360E+07	0.360E+07	0.150E+07	0.150E+07	0.150E+07
WOOD	0.00	0.140E+07	0.140E+07	0.140E+07	0.538E+06	0.538E+06	0.538E+06

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T E M P E R A T U R E D E P E N D E N T D A T A

THERMAL EXPANSION COEFFICIENTS

MAT LABEL	TEMP	COEFFICIENTS OF THERMAL EXPANSION A1	A2	A3	A12	A13	A23
STEEL	0.00	0.650E-05	0.650E-05	0.650E-05	0.000E+00	0.000E+00	0.000E+00
CONC	0.00	0.550E-05	0.550E-05	0.550E-05	0.000E+00	0.000E+00	0.000E+00

OTHER	0.00	0.550E-05	0.550E-05	0.550E-05	0.000E+00	0.000E+00	0.000E+00
WOOD	0.00	0.650E-05	0.650E-05	0.650E-05	0.000E+00	0.000E+00	0.000E+00

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T E M P E R A T U R E D E P E N D E N T D A T A

MATERIAL PROPERTIES

MAT LABEL	TEMP	U12	U13	U23	U14	U24	U34	U15	U25	U35	U45	U16	U26	U36	U46	U56
										POISSONS RATIO						
STEEL	0.00	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CONC	0.00	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER	0.00	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WOOD	0.00	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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MATERIAL PROPERTIES

MAT LABEL	TEMP	YIELD FY
CONC	0.00	36.00

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	SHAPE TYPE	DEPTH	FLANGE WIDTH TOP	FLANGE THICK TOP	WEB THICK	FLANGE WIDTH BOTTOM	FLANGE THICK BOTTOM
4X4	R	3.500	3.500				
2X2X4	R	3.500	3.000				
2X2X6	R	5.500	3.000				
2X4X4	R	7.000	3.200				
4X6	R	5.500	3.500				

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	AXIAL AREA	TORSIONAL CONSTANT	MOMENTS OF INERTIA I33	I22	SHEAR AREAS A2	A3

4X4	0.123E+02	0.211E+02	0.125E+02	0.125E+02	0.102E+02	0.102E+02
2X2X4	0.105E+02	0.153E+02	0.107E+02	0.788E+01	0.875E+01	0.875E+01
2X2X6	0.165E+02	0.326E+02	0.416E+02	0.124E+02	0.138E+02	0.138E+02
2X4X4	0.224E+02	0.545E+02	0.915E+02	0.191E+02	0.187E+02	0.187E+02
4X6	0.193E+02	0.475E+02	0.485E+02	0.197E+02	0.160E+02	0.160E+02

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	MAT LABEL	ADDITIONAL MASS PER LENGTH	ADDITIONAL WEIGHT PER LENGTH
4X4	WOOD	0.000E+00	0.000E+00
2X2X4	WOOD	0.000E+00	0.000E+00
2X2X6	WOOD	0.000E+00	0.000E+00
2X4X4	WOOD	0.000E+00	0.000E+00
4X6	WOOD	0.000E+00	0.000E+00

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F R A M E E L E M E N T D A T A

ELEMENT LABEL	JOINT END-I	JOINT END-J	ELEMENT LENGTH	END-OFFSET-LENGTHS END-I	END-J	RIGID-END FACTOR	NUMBER OF SEGMENTS
1	N1	P1	91.522	0.000	0.000	0.0000	2
2	M1	N1	35.588	0.000	0.000	0.0000	2
3	L1	M1	49.604	0.000	0.000	0.0000	2
4	P1	P2	94.625	0.000	0.000	0.0000	4
5	K1	L1	49.604	0.000	0.000	0.0000	2
6	I6	I6A	60.000	0.000	0.000	0.0000	4
7	K1A	K1	4.000	0.000	0.000	0.0000	4
8	J1	K1	49.604	0.000	0.000	0.0000	2
9	M2	M1	62.562	0.000	0.000	0.0000	4
10	L2	L1	50.050	0.000	0.000	0.0000	4
11	I1	J1	49.604	0.000	0.000	0.0000	2
12	K1B	K1A	24.000	0.000	0.000	0.0000	4
13	J2	J1	25.025	0.000	0.000	0.0000	4
14	I1A	I1	4.000	0.000	0.000	0.0000	4
15	H2	I1	49.604	0.000	0.000	0.0000	2
16	N2	N1C	17.539	0.000	0.000	0.0000	4
17	I2	I1A	8.512	0.000	0.000	0.0000	4
18	K2	K1B	9.537	0.000	0.000	0.0000	4
19	D2	E2	15.750	0.000	0.000	0.0000	2
20	E2	F2	32.750	0.000	0.000	0.0000	2
21	F2	G2	48.000	0.000	0.000	0.0000	2
22	G2	H2	48.000	0.000	0.000	0.0000	2
23	H2	I2	48.000	0.000	0.000	0.0000	2
24	I2	J2	48.000	0.000	0.000	0.0000	2
25	J2	K2	48.000	0.000	0.000	0.0000	2
26	K2	L2	48.000	0.000	0.000	0.0000	2
28	M2	N2	34.437	0.000	0.000	0.0000	2
29	N2	P2	88.563	0.000	0.000	0.0000	2
30	G2	G2A	15.000	0.000	0.000	0.0000	4
31	N2	N2A	6.461	0.000	0.000	0.0000	4

32	I2	I2A	15.488	0.000	0.000	0.0000	4
33	K2	K2A	14.463	0.000	0.000	0.0000	4
34	E2	E2A	36.000	0.000	0.000	0.0000	4
35	M2	2	39.906	0.000	0.000	0.0000	2
36	N2	2	39.906	0.000	0.000	0.0000	2
37	G2A	G2B	24.000	0.000	0.000	0.0000	4
38	N2A	N2B	24.000	0.000	0.000	0.0000	4
39	I2A	I2B	24.000	0.000	0.000	0.0000	4
40	K2A	K2B	24.000	0.000	0.000	0.0000	4
41	E3	F2	79.098	0.000	0.000	0.0000	2
42	D2	G3	120.400	0.000	0.000	0.0000	2
43	F2	F3	72.000	0.000	0.000	0.0000	4
44	G2	H3	86.533	0.000	0.000	0.0000	2
45	H2	H3	72.000	0.000	0.000	0.0000	4
46	I2	J3	86.533	0.000	0.000	0.0000	2
47	J2	J3	72.000	0.000	0.000	0.0000	4
48	K2	L3	86.533	0.000	0.000	0.0000	2
49	L2	L3	72.000	0.000	0.000	0.0000	4
50	M2	M3	72.000	0.000	0.000	0.0000	4
51	P2	P3	72.000	0.000	0.000	0.0000	4
52	E2A	E2B	24.000	0.000	0.000	0.0000	4
53	G2B	G2C	24.000	0.000	0.000	0.0000	4
54	N2B	N2C	24.000	0.000	0.000	0.0000	4
55	I2B	I2C	24.000	0.000	0.000	0.0000	4
56	2	M3	39.906	0.000	0.000	0.0000	2
57	2	N3	39.906	0.000	0.000	0.0000	2
58	K2B	K2C	24.000	0.000	0.000	0.0000	4
59	E2B	E3	12.000	0.000	0.000	0.0000	4
60	G2C	G3	9.000	0.000	0.000	0.0000	4
61	N2C	N3	17.539	0.000	0.000	0.0000	4
62	I2C	I3	8.512	0.000	0.000	0.0000	4
63	K2C	K3	9.537	0.000	0.000	0.0000	4
64	A3	B3	50.500	0.000	0.000	0.0000	2
65	B3	C3	48.000	0.000	0.000	0.0000	2
66	C3	D3	48.000	0.000	0.000	0.0000	2
67	D3	E3	15.750	0.000	0.000	0.0000	2
68	E3	F3	32.750	0.000	0.000	0.0000	2
69	F3	G3	48.000	0.000	0.000	0.0000	2
70	G3	H3	48.000	0.000	0.000	0.0000	2
71	H3	I3	48.000	0.000	0.000	0.0000	2
72	I3	J3	48.000	0.000	0.000	0.0000	2
73	J3	K3	48.000	0.000	0.000	0.0000	2
74	K3	L3	48.000	0.000	0.000	0.0000	2
76	M3	N3	34.437	0.000	0.000	0.0000	2
77	N3	P3	88.563	0.000	0.000	0.0000	2
78	E3	E3A	12.000	0.000	0.000	0.0000	4
79	G3	G3A	15.000	0.000	0.000	0.0000	4
80	I3	I3A	15.488	0.000	0.000	0.0000	4
81	K3	K3A	14.463	0.000	0.000	0.0000	4
82	E3A	E3B	24.000	0.000	0.000	0.0000	4
83	G3A	G3B	24.000	0.000	0.000	0.0000	4
84	I3A	I3B	24.000	0.000	0.000	0.0000	4
85	B3	B4	72.000	0.000	0.000	0.0000	4
86	C3	C4	72.000	0.000	0.000	0.0000	4
87	D3	D4	72.000	0.000	0.000	0.0000	4
88	G3	I4	120.000	0.000	0.000	0.0000	2
90	P3	P4	72.000	0.000	0.000	0.0000	4
91	E3B	E3C	24.000	0.000	0.000	0.0000	4
92	M3	M3A	24.000	0.000	0.000	0.0000	4
93	G3B	G3C	24.000	0.000	0.000	0.0000	4
94	I3B	I3C	24.000	0.000	0.000	0.0000	4
95	E3C	E4	12.000	0.000	0.000	0.0000	4
96	G3C	G4	9.000	0.000	0.000	0.0000	4

97	I3C	I4	8.512	0.000	0.000	0.0000	4
98	A4	B4	50.500	0.000	0.000	0.0000	2
99	B4	C4	48.000	0.000	0.000	0.0000	2
100	C4	D4	48.000	0.000	0.000	0.0000	2
101	D4	E4	15.750	0.000	0.000	0.0000	2
102	E4	G4	80.750	0.000	0.000	0.0000	2
103	G4	I4	96.000	0.000	0.000	0.0000	2
104	I4	K4	96.000	0.000	0.000	0.0000	2
106	M4	O4	110.000	0.000	0.000	0.0000	2
107	O4	P4	13.000	0.000	0.000	0.0000	2
108	E4	E4A	12.000	0.000	0.000	0.0000	4
109	I4	I4A	12.000	0.000	0.000	0.0000	4
110	G4	G4A	26.000	0.000	0.000	0.0000	4
111	E4A	E4B	30.000	0.000	0.000	0.0000	4
112	B4	B5	72.000	0.000	0.000	0.0000	4
113	D4	D5	72.000	0.000	0.000	0.0000	4
114	I4	K5	120.000	0.000	0.000	0.0000	2
115	K4	K5	72.000	0.000	0.000	0.0000	4
116	M4	M5	72.000	0.000	0.000	0.0000	4
117	M5	O4	131.469	0.000	0.000	0.0000	2
118	P4	P5	72.000	0.000	0.000	0.0000	4
119	I4A	I5	60.000	0.000	0.000	0.0000	4
120	G4A	G5	46.000	0.000	0.000	0.0000	4
121	E4B	E5	30.000	0.000	0.000	0.0000	4
122	A5	B5	50.500	0.000	0.000	0.0000	2
123	B5	D5	96.000	0.000	0.000	0.0000	2
124	D5	E5	15.750	0.000	0.000	0.0000	2
125	E5	G5	80.750	0.000	0.000	0.0000	2
126	G5	I5	96.000	0.000	0.000	0.0000	2
127	I5	K5	96.000	0.000	0.000	0.0000	2
129	M5	P5	123.000	0.000	0.000	0.0000	2
130	K5	1	60.000	0.000	0.000	0.0000	2
131	1	M5	60.000	0.000	0.000	0.0000	2
132	B5	B6	72.000	0.000	0.000	0.0000	4
133	D5	D6	72.000	0.000	0.000	0.0000	4
134	E5	E6	72.000	0.000	0.000	0.0000	4
135	G5	G6	72.000	0.000	0.000	0.0000	4
136	I5	I6	72.000	0.000	0.000	0.0000	4
137	K5	K6	72.000	0.000	0.000	0.0000	4
138	M5	M6	72.000	0.000	0.000	0.0000	4
139	P5	P6	72.000	0.000	0.000	0.0000	4
140	K6	1	60.000	0.000	0.000	0.0000	2
141	1	M6	60.000	0.000	0.000	0.0000	2
142	A6	B6	50.500	0.000	0.000	0.0000	2
143	B6	D6	96.000	0.000	0.000	0.0000	2
144	D6	E6	15.750	0.000	0.000	0.0000	2
145	E6	G6	80.750	0.000	0.000	0.0000	2
146	G6	I6	96.000	0.000	0.000	0.0000	2
147	I6	K6	96.000	0.000	0.000	0.0000	2
149	M6	P6	123.000	0.000	0.000	0.0000	2
150	E6	E6A	30.000	0.000	0.000	0.0000	4
151	G6	G6A	46.000	0.000	0.000	0.0000	4
152	B6	B7	72.000	0.000	0.000	0.0000	4
153	D6	D7	72.000	0.000	0.000	0.0000	4
154	K3A	K3B	31.000	0.000	0.000	0.0000	4
155	I7	K6	120.000	0.000	0.000	0.0000	2
156	K6	K7	72.000	0.000	0.000	0.0000	4
157	M6	M7	72.000	0.000	0.000	0.0000	4
158	M6	O7	131.469	0.000	0.000	0.0000	2
159	P6	P7	72.000	0.000	0.000	0.0000	4
160	E6A	E6B	30.000	0.000	0.000	0.0000	4
161	G6A	G7	26.000	0.000	0.000	0.0000	4
162	E6B	E7	12.000	0.000	0.000	0.0000	4

163	A7	B7	50.500	0.000	0.000	0.0000	2
164	B7	C7	48.000	0.000	0.000	0.0000	2
165	C7	D7	48.000	0.000	0.000	0.0000	2
166	D7	E7	15.750	0.000	0.000	0.0000	2
167	E7	G7	80.750	0.000	0.000	0.0000	2
168	G7	I7	96.000	0.000	0.000	0.0000	2
169	I7	K7	96.000	0.000	0.000	0.0000	2
171	M7	O7	110.000	0.000	0.000	0.0000	2
172	O7	P7	13.000	0.000	0.000	0.0000	2
173	G7	G7A	9.000	0.000	0.000	0.0000	4
174	E7	E7A	12.000	0.000	0.000	0.0000	4
175	G7A	G7B	24.000	0.000	0.000	0.0000	4
176	M3A	M4	48.000	0.000	0.000	0.0000	4
177	I7	I7A	8.512	0.000	0.000	0.0000	4
178	E7A	E7B	24.000	0.000	0.000	0.0000	4
179	B7	B8	72.000	0.000	0.000	0.0000	4
180	C7	C8	72.000	0.000	0.000	0.0000	4
181	D7	D8	72.000	0.000	0.000	0.0000	4
182	G8	I7	120.000	0.000	0.000	0.0000	2
183	L2	2SEC1	31.500	0.000	0.000	0.0000	2
184	P7	P8	72.000	0.000	0.000	0.0000	4
185	G7B	G7C	24.000	0.000	0.000	0.0000	4
186	E7B	E7C	24.000	0.000	0.000	0.0000	4
187	K7B	K8	14.463	0.000	0.000	0.0000	4
188	K3B	K4	26.537	0.000	0.000	0.0000	4
189	G7C	G8	15.000	0.000	0.000	0.0000	4
190	E7C	E8	12.000	0.000	0.000	0.0000	4
191	A8	B8	50.500	0.000	0.000	0.0000	2
192	B8	C8	48.000	0.000	0.000	0.0000	2
193	C8	D8	48.000	0.000	0.000	0.0000	2
194	D8	E8	15.750	0.000	0.000	0.0000	2
195	E8	F8	32.750	0.000	0.000	0.0000	2
196	F8	G8	48.000	0.000	0.000	0.0000	2
197	G8	H8	48.000	0.000	0.000	0.0000	2
198	H8	I8	48.000	0.000	0.000	0.0000	2
199	I8	J8	48.000	0.000	0.000	0.0000	2
200	J8	K8	48.000	0.000	0.000	0.0000	2
201	K8	L8	48.000	0.000	0.000	0.0000	2
203	M8	N8	34.437	0.000	0.000	0.0000	2
204	N8	P8	88.563	0.000	0.000	0.0000	2
205	K8	K8A	9.537	0.000	0.000	0.0000	4
206	I8	I8A	8.512	0.000	0.000	0.0000	4
207	N8	N8A	17.539	0.000	0.000	0.0000	4
208	G8	G8A	9.000	0.000	0.000	0.0000	4
209	E8	E8A	12.000	0.000	0.000	0.0000	4
210	K8A	K8B	24.000	0.000	0.000	0.0000	4
211	M8	3	39.906	0.000	0.000	0.0000	2
212	N8	3	39.906	0.000	0.000	0.0000	2
213	I8A	I8B	24.000	0.000	0.000	0.0000	4
214	N8A	N8B	24.000	0.000	0.000	0.0000	4
215	G8A	G8B	24.000	0.000	0.000	0.0000	4
216	E8A	E8B	24.000	0.000	0.000	0.0000	4
217	E8	F9	79.098	0.000	0.000	0.0000	2
218	D9	G8	120.400	0.000	0.000	0.0000	2
219	F8	F9	72.000	0.000	0.000	0.0000	4
220	H8	G9	86.533	0.000	0.000	0.0000	2
221	H8	H9	72.000	0.000	0.000	0.0000	4
222	J8	I9	86.533	0.000	0.000	0.0000	2
223	J8	J9	72.000	0.000	0.000	0.0000	4
224	L8	K9	86.533	0.000	0.000	0.0000	2
225	L8	L9	72.000	0.000	0.000	0.0000	4
226	M8	M9	72.000	0.000	0.000	0.0000	4
227	P8	P9	72.000	0.000	0.000	0.0000	4

228	K8B	K8C	24.000	0.000	0.000	0.0000	4
229	I8B	I8C	24.000	0.000	0.000	0.0000	4
230	N8B	N8C	24.000	0.000	0.000	0.0000	4
231	G8B	G8C	24.000	0.000	0.000	0.0000	4
232	3	M9	39.906	0.000	0.000	0.0000	2
233	3	N9	39.906	0.000	0.000	0.0000	2
234	E8B	E9	36.000	0.000	0.000	0.0000	4
235	K8C	K9	14.463	0.000	0.000	0.0000	4
236	I8C	I9	15.488	0.000	0.000	0.0000	4
237	N8C	N9	6.461	0.000	0.000	0.0000	4
238	G8C	G9	15.000	0.000	0.000	0.0000	4
239	D9	E9	15.750	0.000	0.000	0.0000	2
240	E9	F9	32.750	0.000	0.000	0.0000	2
241	F9	G9	48.000	0.000	0.000	0.0000	2
242	G9	H9	48.000	0.000	0.000	0.0000	2
243	H9	I9	48.000	0.000	0.000	0.0000	2
244	I9	J9	48.000	0.000	0.000	0.0000	2
245	J9	K9	48.000	0.000	0.000	0.0000	2
246	K9	L9	48.000	0.000	0.000	0.0000	2
248	M9	N9	34.437	0.000	0.000	0.0000	2
249	N9	P9	88.563	0.000	0.000	0.0000	2
250	K9	K9A	9.537	0.000	0.000	0.0000	4
251	I9	I9A	8.512	0.000	0.000	0.0000	4
252	H9	I10	49.604	0.000	0.000	0.0000	2
253	N9	N9A	17.539	0.000	0.000	0.0000	4
254	I9A	I10	4.000	0.000	0.000	0.0000	4
255	J9	J10	25.025	0.000	0.000	0.0000	4
256	K9A	K9B	24.000	0.000	0.000	0.0000	4
257	I10	J10	49.604	0.000	0.000	0.0000	2
258	L9	L10	50.050	0.000	0.000	0.0000	4
259	N9A	N9B	24.000	0.000	0.000	0.0000	4
260	J10	K10	49.604	0.000	0.000	0.0000	2
261	M9	M10	62.562	0.000	0.000	0.0000	4
262	K9B	K10	4.000	0.000	0.000	0.0000	4
263	K10	L10	49.604	0.000	0.000	0.0000	2
264	N9B	N9C	24.000	0.000	0.000	0.0000	4
265	P9	P10	94.625	0.000	0.000	0.0000	4
266	L10	M10	49.604	0.000	0.000	0.0000	2
267	M10	N10	35.588	0.000	0.000	0.0000	2
268	N9C	N10	6.000	0.000	0.000	0.0000	4
269	N10	P10	91.522	0.000	0.000	0.0000	2
270	N1C	N1B	24.000	0.000	0.000	0.0000	4
271	N1B	N1A	24.000	0.000	0.000	0.0000	4
272	N1A	N1	6.000	0.000	0.000	0.0000	4
273	I6A	I7	12.000	0.000	0.000	0.0000	4
274	I7A	I7B	24.000	0.000	0.000	0.0000	4
275	I7B	I7C	24.000	0.000	0.000	0.0000	4
276	I7C	I8	15.488	0.000	0.000	0.0000	4
277	K7	K7A	26.537	0.000	0.000	0.0000	4
278	K7A	K7B	31.000	0.000	0.000	0.0000	4
279	M7	M7A	48.000	0.000	0.000	0.0000	4
280	M7A	M8	24.000	0.000	0.000	0.0000	4
281	2SEC1	M2	16.500	0.000	0.000	0.0000	2
282	L3	3SEC1	31.500	0.000	0.000	0.0000	2
283	3SEC1	M3	16.500	0.000	0.000	0.0000	2
284	K4	4SEC1	79.500	0.000	0.000	0.0000	2
285	4SEC1	M4	16.500	0.000	0.000	0.0000	2
286	K5	5SEC1	79.500	0.000	0.000	0.0000	2
287	5SEC1	M5	16.500	0.000	0.000	0.0000	2
288	K6	6SEC1	79.500	0.000	0.000	0.0000	2
289	6SEC1	M6	16.500	0.000	0.000	0.0000	2
290	K7	7SEC1	79.500	0.000	0.000	0.0000	2
291	7SEC1	M7	16.500	0.000	0.000	0.0000	2

292	L8	8SEC1	31.500	0.000	0.000	0.0000	2
293	8SEC1	M8	16.500	0.000	0.000	0.0000	2
294	L9	9SEC1	31.500	0.000	0.000	0.0000	2
295	9SEC1	M9	16.500	0.000	0.000	0.0000	2

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F R A M E E L E M E N T D A T A

ELEMENT LABEL	SECTION LABEL	LOCAL PLANE	COORD SYSTEM	PLN 1ST	PLN 2ND	PLANE JOINTA	PLANE JOINTB	COORD ANGLE
1	2X2X4	12	0	+Z	+X	0	0	0.00
2	2X2X4	12	0	+Z	+X	0	0	0.00
3	2X2X4	12	0	+Z	+X	0	0	0.00
4	2X2X6	12	0	+Z	+X	0	0	0.00
5	2X2X4	12	0	+Z	+X	0	0	0.00
6	2X2X4	12	0	+Z	+X	0	0	0.00
7	2X2X4	12	0	+Z	+X	0	0	0.00
8	2X2X4	12	0	+Z	+X	0	0	0.00
9	2X2X4	12	0	+Z	+X	0	0	0.00
10	2X2X4	12	0	+Z	+X	0	0	0.00
11	2X2X4	12	0	+Z	+X	0	0	0.00
12	2X2X4	12	0	+Z	+X	0	0	0.00
13	2X2X4	12	0	+Z	+X	0	0	0.00
14	2X2X4	12	0	+Z	+X	0	0	0.00
15	2X2X4	12	0	+Z	+X	0	0	0.00
16	2X2X6	12	0	+Z	+X	0	0	0.00
17	2X2X4	12	0	+Z	+X	0	0	0.00
18	2X2X4	12	0	+Z	+X	0	0	0.00
19	2X4X4	12	0	+Z	+X	0	0	0.00
20	2X4X4	12	0	+Z	+X	0	0	0.00
21	2X4X4	12	0	+Z	+X	0	0	0.00
22	2X4X4	12	0	+Z	+X	0	0	0.00
23	4X4	12	0	+Z	+X	0	0	0.00
24	4X4	12	0	+Z	+X	0	0	0.00
25	4X4	12	0	+Z	+X	0	0	0.00
26	4X4	12	0	+Z	+X	0	0	0.00
28	4X4	12	0	+Z	+X	0	0	0.00
29	4X4	12	0	+Z	+X	0	0	0.00
30	2X2X4	12	0	+Z	+X	0	0	0.00
31	2X2X6	12	0	+Z	+X	0	0	0.00
32	2X2X4	12	0	+Z	+X	0	0	0.00
33	2X2X4	12	0	+Z	+X	0	0	0.00
34	2X2X4	12	0	+Z	+X	0	0	0.00
35	4X4	12	0	+Z	+X	0	0	0.00
36	4X4	12	0	+Z	+X	0	0	0.00
37	2X2X4	12	0	+Z	+X	0	0	0.00
38	2X2X6	12	0	+Z	+X	0	0	0.00
39	2X2X4	12	0	+Z	+X	0	0	0.00
40	2X2X4	12	0	+Z	+X	0	0	0.00
41	2X2X4	12	0	+Z	+X	0	0	0.00
42	4X6	12	0	+Z	+X	0	0	0.00
43	2X2X4	12	0	+Z	+X	0	0	0.00
44	2X2X4	12	0	+Z	+X	0	0	0.00
45	2X2X4	12	0	+Z	+X	0	0	0.00
46	2X2X4	12	0	+Z	+X	0	0	0.00
47	2X2X4	12	0	+Z	+X	0	0	0.00
48	2X2X4	12	0	+Z	+X	0	0	0.00
49	2X2X4	12	0	+Z	+X	0	0	0.00

50	2X2X4	12	0	+Z	+X	0	0	0.00
51	2X2X6	12	0	+Z	+X	0	0	0.00
52	2X2X4	12	0	+Z	+X	0	0	0.00
53	2X2X4	12	0	+Z	+X	0	0	0.00
54	2X2X6	12	0	+Z	+X	0	0	0.00
55	2X2X4	12	0	+Z	+X	0	0	0.00
56	4X4	12	0	+Z	+X	0	0	0.00
57	4X4	12	0	+Z	+X	0	0	0.00
58	2X2X4	12	0	+Z	+X	0	0	0.00
59	2X2X4	12	0	+Z	+X	0	0	0.00
60	2X2X4	12	0	+Z	+X	0	0	0.00
61	2X2X6	12	0	+Z	+X	0	0	0.00
62	2X2X4	12	0	+Z	+X	0	0	0.00
63	2X2X4	12	0	+Z	+X	0	0	0.00
64	4X4	12	0	+Z	+X	0	0	0.00
65	4X4	12	0	+Z	+X	0	0	0.00
66	4X4	12	0	+Z	+X	0	0	0.00
67	4X4	12	0	+Z	+X	0	0	0.00
68	4X4	12	0	+Z	+X	0	0	0.00
69	4X4	12	0	+Z	+X	0	0	0.00
70	4X4	12	0	+Z	+X	0	0	0.00
71	4X4	12	0	+Z	+X	0	0	0.00
72	4X4	12	0	+Z	+X	0	0	0.00
73	4X4	12	0	+Z	+X	0	0	0.00
74	4X4	12	0	+Z	+X	0	0	0.00
76	4X4	12	0	+Z	+X	0	0	0.00
77	4X4	12	0	+Z	+X	0	0	0.00
78	2X2X4	12	0	+Z	+X	0	0	0.00
79	2X2X4	12	0	+Z	+X	0	0	0.00
80	2X2X4	12	0	+Z	+X	0	0	0.00
81	2X2X4	12	0	+Z	+X	0	0	0.00
82	2X2X4	12	0	+Z	+X	0	0	0.00
83	2X2X4	12	0	+Z	+X	0	0	0.00
84	2X2X4	12	0	+Z	+X	0	0	0.00
85	2X2X4	12	0	+Z	+X	0	0	0.00
86	2X2X4	12	0	+Z	+X	0	0	0.00
87	2X2X4	12	0	+Z	+X	0	0	0.00
88	4X6	12	0	+Z	+X	0	0	0.00
90	2X2X6	12	0	+Z	+X	0	0	0.00
91	2X2X4	12	0	+Z	+X	0	0	0.00
92	2X2X4	12	0	+Z	+X	0	0	0.00
93	2X2X4	12	0	+Z	+X	0	0	0.00
94	2X2X4	12	0	+Z	+X	0	0	0.00
95	2X2X4	12	0	+Z	+X	0	0	0.00
96	2X2X4	12	0	+Z	+X	0	0	0.00
97	2X2X4	12	0	+Z	+X	0	0	0.00
98	4X4	12	0	+Z	+X	0	0	0.00
99	4X4	12	0	+Z	+X	0	0	0.00
100	4X4	12	0	+Z	+X	0	0	0.00
101	4X4	12	0	+Z	+X	0	0	0.00
102	4X4	12	0	+Z	+X	0	0	0.00
103	4X4	12	0	+Z	+X	0	0	0.00
104	4X4	12	0	+Z	+X	0	0	0.00
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107	4X4	12	0	+Z	+X	0	0	0.00
108	2X2X4	12	0	+Z	+X	0	0	0.00
109	2X2X4	12	0	+Z	+X	0	0	0.00
110	2X2X4	12	0	+Z	+X	0	0	0.00
111	2X2X4	12	0	+Z	+X	0	0	0.00
112	2X2X4	12	0	+Z	+X	0	0	0.00
113	2X2X4	12	0	+Z	+X	0	0	0.00
114	4X4	12	0	+Z	+X	0	0	0.00
115	2X2X4	12	0	+Z	+X	0	0	0.00

116	2X2X4	12	0	+Z	+X	0	0	0.00
117	4X4	12	0	+Z	+X	0	0	0.00
118	2X2X6	12	0	+Z	+X	0	0	0.00
119	2X2X4	12	0	+Z	+X	0	0	0.00
120	2X2X4	12	0	+Z	+X	0	0	0.00
121	2X2X4	12	0	+Z	+X	0	0	0.00
122	4X4	12	0	+Z	+X	0	0	0.00
123	4X4	12	0	+Z	+X	0	0	0.00
124	4X4	12	0	+Z	+X	0	0	0.00
125	4X4	12	0	+Z	+X	0	0	0.00
126	4X4	12	0	+Z	+X	0	0	0.00
127	4X4	12	0	+Z	+X	0	0	0.00
129	4X4	12	0	+Z	+X	0	0	0.00
130	4X4	12	0	+Z	+X	0	0	0.00
131	4X4	12	0	+Z	+X	0	0	0.00
132	2X2X4	12	0	+Z	+X	0	0	0.00
133	2X2X4	12	0	+Z	+X	0	0	0.00
134	2X2X4	12	0	+Z	+X	0	0	0.00
135	2X2X4	12	0	+Z	+X	0	0	0.00
136	2X2X4	12	0	+Z	+X	0	0	0.00
137	2X2X4	12	0	+Z	+X	0	0	0.00
138	2X2X4	12	0	+Z	+X	0	0	0.00
139	2X2X6	12	0	+Z	+X	0	0	0.00
140	4X4	12	0	+Z	+X	0	0	0.00
141	4X4	12	0	+Z	+X	0	0	0.00
142	4X4	12	0	+Z	+X	0	0	0.00
143	4X4	12	0	+Z	+X	0	0	0.00
144	4X4	12	0	+Z	+X	0	0	0.00
145	4X4	12	0	+Z	+X	0	0	0.00
146	4X4	12	0	+Z	+X	0	0	0.00
147	4X4	12	0	+Z	+X	0	0	0.00
149	4X4	12	0	+Z	+X	0	0	0.00
150	2X2X4	12	0	+Z	+X	0	0	0.00
151	2X2X4	12	0	+Z	+X	0	0	0.00
152	2X2X4	12	0	+Z	+X	0	0	0.00
153	2X2X4	12	0	+Z	+X	0	0	0.00
154	2X2X4	12	0	+Z	+X	0	0	0.00
155	4X4	12	0	+Z	+X	0	0	0.00
156	2X2X4	12	0	+Z	+X	0	0	0.00
157	2X2X4	12	0	+Z	+X	0	0	0.00
158	4X4	12	0	+Z	+X	0	0	0.00
159	2X2X6	12	0	+Z	+X	0	0	0.00
160	2X2X4	12	0	+Z	+X	0	0	0.00
161	2X2X4	12	0	+Z	+X	0	0	0.00
162	2X2X4	12	0	+Z	+X	0	0	0.00
163	4X4	12	0	+Z	+X	0	0	0.00
164	4X4	12	0	+Z	+X	0	0	0.00
165	4X4	12	0	+Z	+X	0	0	0.00
166	4X4	12	0	+Z	+X	0	0	0.00
167	4X4	12	0	+Z	+X	0	0	0.00
168	4X4	12	0	+Z	+X	0	0	0.00
169	4X4	12	0	+Z	+X	0	0	0.00
171	4X4	12	0	+Z	+X	0	0	0.00
172	4X4	12	0	+Z	+X	0	0	0.00
173	2X2X4	12	0	+Z	+X	0	0	0.00
174	2X2X4	12	0	+Z	+X	0	0	0.00
175	2X2X4	12	0	+Z	+X	0	0	0.00
176	2X2X4	12	0	+Z	+X	0	0	0.00
177	2X2X4	12	0	+Z	+X	0	0	0.00
178	2X2X4	12	0	+Z	+X	0	0	0.00
179	2X2X4	12	0	+Z	+X	0	0	0.00
180	2X2X4	12	0	+Z	+X	0	0	0.00
181	2X2X4	12	0	+Z	+X	0	0	0.00

182	4X6	12	0	+Z	+X	0	0	0.00
183	4X4	12	0	+Z	+X	0	0	0.00
184	2X2X6	12	0	+Z	+X	0	0	0.00
185	2X2X4	12	0	+Z	+X	0	0	0.00
186	2X2X4	12	0	+Z	+X	0	0	0.00
187	2X2X4	12	0	+Z	+X	0	0	0.00
188	2X2X4	12	0	+Z	+X	0	0	0.00
189	2X2X4	12	0	+Z	+X	0	0	0.00
190	2X2X4	12	0	+Z	+X	0	0	0.00
191	4X4	12	0	+Z	+X	0	0	0.00
192	4X4	12	0	+Z	+X	0	0	0.00
193	4X4	12	0	+Z	+X	0	0	0.00
194	4X4	12	0	+Z	+X	0	0	0.00
195	4X4	12	0	+Z	+X	0	0	0.00
196	4X4	12	0	+Z	+X	0	0	0.00
197	4X4	12	0	+Z	+X	0	0	0.00
198	4X4	12	0	+Z	+X	0	0	0.00
199	4X4	12	0	+Z	+X	0	0	0.00
200	4X4	12	0	+Z	+X	0	0	0.00
201	4X4	12	0	+Z	+X	0	0	0.00
203	4X4	12	0	+Z	+X	0	0	0.00
204	4X4	12	0	+Z	+X	0	0	0.00
205	2X2X4	12	0	+Z	+X	0	0	0.00
206	2X2X4	12	0	+Z	+X	0	0	0.00
207	2X2X6	12	0	+Z	+X	0	0	0.00
208	2X2X4	12	0	+Z	+X	0	0	0.00
209	2X2X4	12	0	+Z	+X	0	0	0.00
210	2X2X4	12	0	+Z	+X	0	0	0.00
211	4X4	12	0	+Z	+X	0	0	0.00
212	4X4	12	0	+Z	+X	0	0	0.00
213	2X2X4	12	0	+Z	+X	0	0	0.00
214	2X2X6	12	0	+Z	+X	0	0	0.00
215	2X2X4	12	0	+Z	+X	0	0	0.00
216	2X2X4	12	0	+Z	+X	0	0	0.00
217	2X2X4	12	0	+Z	+X	0	0	0.00
218	4X6	12	0	+Z	+X	0	0	0.00
219	2X2X4	12	0	+Z	+X	0	0	0.00
220	2X2X4	12	0	+Z	+X	0	0	0.00
221	2X2X4	12	0	+Z	+X	0	0	0.00
222	2X2X4	12	0	+Z	+X	0	0	0.00
223	2X2X4	12	0	+Z	+X	0	0	0.00
224	2X2X4	12	0	+Z	+X	0	0	0.00
225	2X2X4	12	0	+Z	+X	0	0	0.00
226	2X2X4	12	0	+Z	+X	0	0	0.00
227	2X2X6	12	0	+Z	+X	0	0	0.00
228	2X2X4	12	0	+Z	+X	0	0	0.00
229	2X2X4	12	0	+Z	+X	0	0	0.00
230	2X2X6	12	0	+Z	+X	0	0	0.00
231	2X2X4	12	0	+Z	+X	0	0	0.00
232	4X4	12	0	+Z	+X	0	0	0.00
233	4X4	12	0	+Z	+X	0	0	0.00
234	2X2X4	12	0	+Z	+X	0	0	0.00
235	2X2X4	12	0	+Z	+X	0	0	0.00
236	2X2X4	12	0	+Z	+X	0	0	0.00
237	2X2X6	12	0	+Z	+X	0	0	0.00
238	2X2X4	12	0	+Z	+X	0	0	0.00
239	2X4X4	12	0	+Z	+X	0	0	0.00
240	2X4X4	12	0	+Z	+X	0	0	0.00
241	2X4X4	12	0	+Z	+X	0	0	0.00
242	2X4X4	12	0	+Z	+X	0	0	0.00
243	4X4	12	0	+Z	+X	0	0	0.00
244	4X4	12	0	+Z	+X	0	0	0.00
245	4X4	12	0	+Z	+X	0	0	0.00

246	4X4	12	0	+Z	+X	0	0	0.00
248	4X4	12	0	+Z	+X	0	0	0.00
249	4X4	12	0	+Z	+X	0	0	0.00
250	2X2X4	12	0	+Z	+X	0	0	0.00
251	2X2X4	12	0	+Z	+X	0	0	0.00
252	2X2X4	12	0	+Z	+X	0	0	0.00
253	2X2X6	12	0	+Z	+X	0	0	0.00
254	2X2X4	12	0	+Z	+X	0	0	0.00
255	2X2X4	12	0	+Z	+X	0	0	0.00
256	2X2X4	12	0	+Z	+X	0	0	0.00
257	2X2X4	12	0	+Z	+X	0	0	0.00
258	2X2X4	12	0	+Z	+X	0	0	0.00
259	2X2X6	12	0	+Z	+X	0	0	0.00
260	2X2X4	12	0	+Z	+X	0	0	0.00
261	2X2X4	12	0	+Z	+X	0	0	0.00
262	2X2X4	12	0	+Z	+X	0	0	0.00
263	2X2X4	12	0	+Z	+X	0	0	0.00
264	2X2X6	12	0	+Z	+X	0	0	0.00
265	2X2X6	12	0	+Z	+X	0	0	0.00
266	2X2X4	12	0	+Z	+X	0	0	0.00
267	2X2X4	12	0	+Z	+X	0	0	0.00
268	2X2X6	12	0	+Z	+X	0	0	0.00
269	2X2X4	12	0	+Z	+X	0	0	0.00
270	2X2X6	12	0	+Z	+X	0	0	0.00
271	2X2X6	12	0	+Z	+X	0	0	0.00
272	2X2X6	12	0	+Z	+X	0	0	0.00
273	2X2X4	12	0	+Z	+X	0	0	0.00
274	2X2X4	12	0	+Z	+X	0	0	0.00
275	2X2X4	12	0	+Z	+X	0	0	0.00
276	2X2X4	12	0	+Z	+X	0	0	0.00
277	2X2X4	12	0	+Z	+X	0	0	0.00
278	2X2X4	12	0	+Z	+X	0	0	0.00
279	2X2X4	12	0	+Z	+X	0	0	0.00
280	2X2X4	12	0	+Z	+X	0	0	0.00
281	4X4	12	0	+Z	+X	0	0	0.00
282	4X4	12	0	+Z	+X	0	0	0.00
283	4X4	12	0	+Z	+X	0	0	0.00
284	4X4	12	0	+Z	+X	0	0	0.00
285	4X4	12	0	+Z	+X	0	0	0.00
286	4X4	12	0	+Z	+X	0	0	0.00
287	4X4	12	0	+Z	+X	0	0	0.00
288	4X4	12	0	+Z	+X	0	0	0.00
289	4X4	12	0	+Z	+X	0	0	0.00
290	4X4	12	0	+Z	+X	0	0	0.00
291	4X4	12	0	+Z	+X	0	0	0.00
292	4X4	12	0	+Z	+X	0	0	0.00
293	4X4	12	0	+Z	+X	0	0	0.00
294	4X4	12	0	+Z	+X	0	0	0.00
295	4X4	12	0	+Z	+X	0	0	0.00

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 19
PROGRAM:SAP2000/FILE:\MainBentSeismic.EKO

F R A M E E L E M E N T D A T A

ELEMENT LABEL	END-I RELEASE CODES		END-J RELEASE CODES	
1	R2	R3	R2	R3
2	R2	R3	R2	R3
3	R2	R3	R2	R3

4	R2	R3	R2	R3
5	R2	R3	R2	R3
6	R2	R3		
7			R2	R3
8	R2	R3	R2	R3
9	R2	R3	R2	R3
10	R2	R3	R2	R3
11	R2	R3	R2	R3
13	R2	R3	R2	R3
14			R2	R3
15	R2	R3	R2	R3
16	R2	R3		
17	R2	R3		
18	R2	R3		
21	R2	R3	R2	R3
22	R2	R3	R2	R3
23	R2	R3	R2	R3
24	R2	R3	R2	R3
25	R2	R3	R2	R3
26	R2	R3	R2	R3
28	R2	R3	R2	R3
29	R2	R3	R2	R3
30	R2	R3		
31	R2	R3		
32	R2	R3		
33	R2	R3		
34	R2	R3		
35	R2	R3	R2	R3
36	R2	R3	R2	R3
41	R2	R3	R2	R3
42	R2	R3	R2	R3
43	R2	R3	R2	R3
44	R2	R3	R2	R3
45	R2	R3	R2	R3
46	R2	R3	R2	R3
47	R2	R3	R2	R3
48	R2	R3	R2	R3
49	R2	R3	R2	R3
50	R2	R3	R2	R3
51	R2	R3	R2	R3
56	R2	R3	R2	R3
57	R2	R3	R2	R3
59			R2	R3
60			R2	R3
61			R2	R3
62			R2	R3
63			R2	R3
64	R2	R3	R2	R3
65	R2	R3	R2	R3
66	R2	R3	R2	R3
67	R2	R3	R2	R3
68	R2	R3	R2	R3
69	R2	R3	R2	R3
70	R2	R3	R2	R3
71	R2	R3	R2	R3
72	R2	R3	R2	R3
73	R2	R3	R2	R3
74	R2	R3	R2	R3
76	R2	R3	R2	R3
77	R2	R3	R2	R3
78	R2	R3		
79	R2	R3		
80	R2	R3		

81	R2	R3		
85	R2	R3	R2	R3
86	R2	R3	R2	R3
87	R2	R3	R2	R3
88	R2	R3	R2	R3
90	R2	R3	R2	R3
92	R2	R3		
95			R2	R3
96			R2	R3
97			R2	R3
102	R2	R3	R2	R3
103	R2	R3	R2	R3
104	R2	R3	R2	R3
106	R2	R3	R2	R3
107	R2	R3	R2	R3
108	R2	R3		
109	R2	R3		
110	R2	R3		
112	R2	R3	R2	R3
113	R2	R3	R2	R3
114	R2	R3	R2	R3
115	R2	R3	R2	R3
116	R2	R3	R2	R3
117	R2	R3	R2	R3
118	R2	R3	R2	R3
119			R2	R3
120			R2	R3
121			R2	R3
122	R2	R3	R2	R3
123	R2	R3	R2	R3
124	R2	R3	R2	R3
125	R2	R3	R2	R3
126	R2	R3	R2	R3
127	R2	R3	R2	R3
129	R2	R3	R2	R3
130	R2	R3	R2	R3
131	R2	R3	R2	R3
132	R2	R3	R2	R3
133	R2	R3	R2	R3
134	R2	R3	R2	R3
135	R2	R3	R2	R3
136	R2	R3	R2	R3
137	R2	R3	R2	R3
138	R2	R3	R2	R3
139	R2	R3	R2	R3
140	R2	R3	R2	R3
141	R2	R3	R2	R3
142	R2	R3	R2	R3
143	R2	R3	R2	R3
144	R2	R3	R2	R3
145	R2	R3	R2	R3
146	R2	R3	R2	R3
147	R2	R3	R2	R3
149	R2	R3	R2	R3
150	R2	R3		
151	R2	R3		
152	R2	R3	R2	R3
153	R2	R3	R2	R3
155	R2	R3	R2	R3
156	R2	R3	R2	R3
157	R2	R3	R2	R3
158	R2	R3	R2	R3
159	R2	R3	R2	R3

161			R2	R3
162			R2	R3
167	R2	R3	R2	R3
168	R2	R3	R2	R3
169	R2	R3	R2	R3
171	R2	R3	R2	R3
172	R2	R3	R2	R3
173	R2	R3		
174	R2	R3		
176			R2	R3
177	R2	R3		
179	R2	R3	R2	R3
180	R2	R3	R2	R3
181	R2	R3	R2	R3
182	R2	R3	R2	R3
183	R2	R3		
184	R2	R3	R2	R3
187			R2	R3
188			R2	R3
189			R2	R3
190			R2	R3
191	R2	R3	R2	R3
192	R2	R3	R2	R3
193	R2	R3	R2	R3
194	R2	R3	R2	R3
195	R2	R3	R2	R3
196	R2	R3	R2	R3
197	R2	R3	R2	R3
198	R2	R3	R2	R3
199	R2	R3	R2	R3
200	R2	R3	R2	R3
201	R2	R3	R2	R3
203	R2	R3	R2	R3
204	R2	R3	R2	R3
205	R2	R3		
206	R2	R3		
207	R2	R3		
208	R2	R3		
209	R2	R3		
211	R2	R3	R2	R3
212	R2	R3	R2	R3
217	R2	R3	R2	R3
218	R2	R3	R2	R3
219	R2	R3	R2	R3
220	R2	R3	R2	R3
221	R2	R3	R2	R3
222	R2	R3	R2	R3
223	R2	R3	R2	R3
224	R2	R3	R2	R3
225	R2	R3	R2	R3
226	R2	R3	R2	R3
227	R2	R3	R2	R3
232	R2	R3	R2	R3
233	R2	R3	R2	R3
234			R2	R3
235			R2	R3
236			R2	R3
237			R2	R3
238			R2	R3
241	R2	R3	R2	R3
242	R2	R3	R2	R3
243	R2	R3	R2	R3
244	R2	R3	R2	R3

245	R2 R3	R2 R3
246	R2 R3	R2 R3
248	R2 R3	R2 R3
249	R2 R3	R2 R3
250	R2 R3	
251	R2 R3	
252	R2 R3	R2 R3
253	R2 R3	
254		R2 R3
255	R2 R3	R2 R3
257	R2 R3	R2 R3
258	R2 R3	R2 R3
260	R2 R3	R2 R3
261	R2 R3	R2 R3
262		R2 R3
263	R2 R3	R2 R3
265	R2 R3	R2 R3
266	R2 R3	R2 R3
267	R2 R3	R2 R3
268		R2 R3
269	R2 R3	R2 R3
272		R2 R3
273		R2 R3
276		R2 R3
277	R2 R3	
279	R2 R3	
280		R2 R3
281		R2 R3
282	R2 R3	
283		R2 R3
284	R2 R3	
285		R2 R3
286	R2 R3	
287		R2 R3
288	R2 R3	
289		R2 R3
290	R2 R3	
291		R2 R3
292	R2 R3	
293		R2 R3
294	R2 R3	
295		R2 R3

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 20
PROGRAM:SAP2000/FILE:\MainBentSeismic.EKO

T O T A L W E I G H T S A N D M A S S E S

SECTION LABEL	WEIGHT	MASS
4X4	1295.8198	3.3536
2X2X4	1120.5891	2.9001
2X2X6	299.5447	0.7752
2X4X4	119.8815	0.3103
4X6	171.3966	0.4436
TOTAL	3007.2317	7.7828

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 21

PROGRAM:SAP2000/FILE:\MainBentSeismic.EKO

L O A D C O N D I T I O N DEAD

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.1000E+01

L O A D C O N D I T I O N MANIFOLD

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
N2	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N3	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N8	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N9	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N TBAR

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
E2A	0.000E+00	0.000E+00	-0.620E+02	0.000E+00	0.000E+00	0.000E+00
E2B	0.000E+00	0.000E+00	-0.106E+03	0.000E+00	0.000E+00	0.000E+00
E3A	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
E3B	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
E3C	0.000E+00	0.000E+00	-0.780E+02	0.000E+00	0.000E+00	0.000E+00
E4A	0.000E+00	0.000E+00	-0.780E+02	0.000E+00	0.000E+00	0.000E+00
E6B	0.000E+00	0.000E+00	-0.780E+02	0.000E+00	0.000E+00	0.000E+00
E7A	0.000E+00	0.000E+00	-0.780E+02	0.000E+00	0.000E+00	0.000E+00
E7B	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
E7C	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
E8A	0.000E+00	0.000E+00	-0.106E+03	0.000E+00	0.000E+00	0.000E+00
E8B	0.000E+00	0.000E+00	-0.620E+02	0.000E+00	0.000E+00	0.000E+00
G2A	0.000E+00	0.000E+00	-0.135E+03	0.000E+00	0.000E+00	0.000E+00
G2B	0.000E+00	0.000E+00	-0.231E+03	0.000E+00	0.000E+00	0.000E+00
G2C	0.000E+00	0.000E+00	-0.201E+03	0.000E+00	0.000E+00	0.000E+00
G3A	0.000E+00	0.000E+00	-0.201E+03	0.000E+00	0.000E+00	0.000E+00
G3B	0.000E+00	0.000E+00	-0.172E+03	0.000E+00	0.000E+00	0.000E+00
G3C	0.000E+00	0.000E+00	-0.172E+03	0.000E+00	0.000E+00	0.000E+00
G7A	0.000E+00	0.000E+00	-0.172E+03	0.000E+00	0.000E+00	0.000E+00
G7B	0.000E+00	0.000E+00	-0.172E+03	0.000E+00	0.000E+00	0.000E+00
G7C	0.000E+00	0.000E+00	-0.201E+03	0.000E+00	0.000E+00	0.000E+00
G8A	0.000E+00	0.000E+00	-0.201E+03	0.000E+00	0.000E+00	0.000E+00
G8B	0.000E+00	0.000E+00	-0.231E+03	0.000E+00	0.000E+00	0.000E+00
G8C	0.000E+00	0.000E+00	-0.135E+03	0.000E+00	0.000E+00	0.000E+00
I1A	0.000E+00	0.000E+00	-0.146E+03	0.000E+00	0.000E+00	0.000E+00
I2A	0.000E+00	0.000E+00	-0.251E+03	0.000E+00	0.000E+00	0.000E+00
I2B	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
I2C	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
I3A	0.000E+00	0.000E+00	-0.187E+03	0.000E+00	0.000E+00	0.000E+00
I3B	0.000E+00	0.000E+00	-0.187E+03	0.000E+00	0.000E+00	0.000E+00
I7B	0.000E+00	0.000E+00	-0.187E+03	0.000E+00	0.000E+00	0.000E+00
I7C	0.000E+00	0.000E+00	-0.187E+03	0.000E+00	0.000E+00	0.000E+00
I8A	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00

I8B	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
I8C	0.000E+00	0.000E+00	-0.251E+03	0.000E+00	0.000E+00	0.000E+00
I9A	0.000E+00	0.000E+00	-0.146E+03	0.000E+00	0.000E+00	0.000E+00
K1A	0.000E+00	0.000E+00	-0.172E+03	0.000E+00	0.000E+00	0.000E+00
K1B	0.000E+00	0.000E+00	-0.295E+03	0.000E+00	0.000E+00	0.000E+00
K2A	0.000E+00	0.000E+00	-0.257E+03	0.000E+00	0.000E+00	0.000E+00
K2B	0.000E+00	0.000E+00	-0.257E+03	0.000E+00	0.000E+00	0.000E+00
K2C	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
K3A	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
K7B	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
K8A	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
K8B	0.000E+00	0.000E+00	-0.257E+03	0.000E+00	0.000E+00	0.000E+00
K8C	0.000E+00	0.000E+00	-0.257E+03	0.000E+00	0.000E+00	0.000E+00
K9A	0.000E+00	0.000E+00	-0.295E+03	0.000E+00	0.000E+00	0.000E+00
K9B	0.000E+00	0.000E+00	-0.172E+03	0.000E+00	0.000E+00	0.000E+00
N1A	0.000E+00	0.000E+00	-0.990E+02	0.000E+00	0.000E+00	0.000E+00
N1B	0.000E+00	0.000E+00	-0.169E+03	0.000E+00	0.000E+00	0.000E+00
N1C	0.000E+00	0.000E+00	-0.147E+03	0.000E+00	0.000E+00	0.000E+00
N2A	0.000E+00	0.000E+00	-0.147E+03	0.000E+00	0.000E+00	0.000E+00
N2B	0.000E+00	0.000E+00	-0.126E+03	0.000E+00	0.000E+00	0.000E+00
N2C	0.000E+00	0.000E+00	-0.126E+03	0.000E+00	0.000E+00	0.000E+00
N8A	0.000E+00	0.000E+00	-0.126E+03	0.000E+00	0.000E+00	0.000E+00
N8B	0.000E+00	0.000E+00	-0.126E+03	0.000E+00	0.000E+00	0.000E+00
N8C	0.000E+00	0.000E+00	-0.147E+03	0.000E+00	0.000E+00	0.000E+00
N9A	0.000E+00	0.000E+00	-0.147E+03	0.000E+00	0.000E+00	0.000E+00
N9B	0.000E+00	0.000E+00	-0.169E+03	0.000E+00	0.000E+00	0.000E+00
N9C	0.000E+00	0.000E+00	-0.990E+02	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N TOPCOVER

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
P1	0.000E+00	0.000E+00	-0.873E+03	0.000E+00	0.000E+00	0.000E+00
P2	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00
P3	0.000E+00	0.000E+00	-0.109E+04	0.000E+00	0.000E+00	0.000E+00
P8	0.000E+00	0.000E+00	-0.109E+04	0.000E+00	0.000E+00	0.000E+00
P9	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.873E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N PEWALLS

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

L O A D C O N D I T I O N HOTBASIN

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
N1	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N2	0.000E+00	0.000E+00	-0.166E+04	0.000E+00	0.000E+00	0.000E+00
N3	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N8	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N9	0.000E+00	0.000E+00	-0.166E+04	0.000E+00	0.000E+00	0.000E+00
N10	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N DRIFTELM

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
E4B	0.000E+00	0.000E+00	-0.780E+02	0.000E+00	0.000E+00	0.000E+00
E6A	0.000E+00	0.000E+00	-0.780E+02	0.000E+00	0.000E+00	0.000E+00
G4A	0.000E+00	0.000E+00	-0.114E+03	0.000E+00	0.000E+00	0.000E+00
G6A	0.000E+00	0.000E+00	-0.114E+03	0.000E+00	0.000E+00	0.000E+00
I3C	0.000E+00	0.000E+00	-0.620E+02	0.000E+00	0.000E+00	0.000E+00
I4A	0.000E+00	0.000E+00	-0.620E+02	0.000E+00	0.000E+00	0.000E+00
I6A	0.000E+00	0.000E+00	-0.620E+02	0.000E+00	0.000E+00	0.000E+00
I7A	0.000E+00	0.000E+00	-0.620E+02	0.000E+00	0.000E+00	0.000E+00
K3B	0.000E+00	0.000E+00	-0.146E+03	0.000E+00	0.000E+00	0.000E+00
K7A	0.000E+00	0.000E+00	-0.146E+03	0.000E+00	0.000E+00	0.000E+00
M3A	0.000E+00	0.000E+00	-0.840E+02	0.000E+00	0.000E+00	0.000E+00
M7A	0.000E+00	0.000E+00	-0.840E+02	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N FANMOTOR

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
P3	0.000E+00	0.000E+00	-0.425E+03	0.000E+00	0.000E+00	0.000E+00
P5	0.000E+00	0.000E+00	-0.187E+04	0.000E+00	0.000E+00	0.000E+00
P6	0.000E+00	0.000E+00	-0.187E+04	0.000E+00	0.000E+00	0.000E+00
P8	0.000E+00	0.000E+00	-0.127E+04	0.000E+00	0.000E+00	0.000E+00
P9	0.000E+00	0.000E+00	-0.466E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N CABLETRY

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
P9	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N LOUVERWL

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
D2	0.000E+00	0.000E+00	-0.240E+02	0.000E+00	0.000E+00	0.000E+00
D9	0.000E+00	0.000E+00	-0.240E+02	0.000E+00	0.000E+00	0.000E+00
E2	0.000E+00	0.000E+00	-0.730E+02	0.000E+00	0.000E+00	0.000E+00
E9	0.000E+00	0.000E+00	-0.730E+02	0.000E+00	0.000E+00	0.000E+00

F2	0.000E+00	0.000E+00	-0.122E+03	0.000E+00	0.000E+00	0.000E+00
F9	0.000E+00	0.000E+00	-0.122E+03	0.000E+00	0.000E+00	0.000E+00
G2	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
G9	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
H2	0.000E+00	0.000E+00	-0.206E+03	0.000E+00	0.000E+00	0.000E+00
H9	0.000E+00	0.000E+00	-0.206E+03	0.000E+00	0.000E+00	0.000E+00
I1	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
J1	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
K1	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
L1	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
M1	0.000E+00	0.000E+00	-0.127E+03	0.000E+00	0.000E+00	0.000E+00
N1	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
P1	0.000E+00	0.000E+00	-0.140E+03	0.000E+00	0.000E+00	0.000E+00
I10	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
J10	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
K10	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
L10	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
M10	0.000E+00	0.000E+00	-0.127E+03	0.000E+00	0.000E+00	0.000E+00
N10	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.140E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N SECDIST

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
M1	0.000E+00	0.000E+00	-0.401E+03	0.000E+00	0.000E+00	0.000E+00
M2	0.000E+00	0.000E+00	-0.561E+03	0.000E+00	0.000E+00	0.000E+00
M3	0.000E+00	0.000E+00	-0.320E+03	0.000E+00	0.000E+00	0.000E+00
M4	0.000E+00	0.000E+00	-0.320E+03	0.000E+00	0.000E+00	0.000E+00
M5	0.000E+00	0.000E+00	-0.574E+03	0.000E+00	0.000E+00	0.000E+00
M6	0.000E+00	0.000E+00	-0.108E+04	0.000E+00	0.000E+00	0.000E+00
M7	0.000E+00	0.000E+00	-0.320E+03	0.000E+00	0.000E+00	0.000E+00
M8	0.000E+00	0.000E+00	-0.320E+03	0.000E+00	0.000E+00	0.000E+00
M9	0.000E+00	0.000E+00	-0.561E+03	0.000E+00	0.000E+00	0.000E+00
M10	0.000E+00	0.000E+00	-0.401E+03	0.000E+00	0.000E+00	0.000E+00

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F U N C T I O N D A T A

FUNCTION LABEL = 5DAMP
TIME INCREMENT = 0.000

TIME	VALUE	TIME	VALUE	TIME	VALUE	TIME	VALUE
0.010	0.813E-01	0.011	0.822E-01	0.012	0.830E-01	0.013	0.839E-01
0.014	0.848E-01	0.015	0.858E-01	0.016	0.865E-01	0.017	0.877E-01
0.019	0.887E-01	0.020	0.897E-01	0.022	0.907E-01	0.024	0.917E-01
0.026	0.927E-01	0.029	0.942E-01	0.033	0.958E-01	0.037	0.972E-01
0.041	0.985E-01	0.045	0.996E-01	0.050	0.101E+00	0.055	0.103E+00
0.062	0.104E+00	0.068	0.105E+00	0.074	0.106E+00	0.082	0.108E+00
0.090	0.109E+00	0.098	0.110E+00	0.106	0.111E+00	0.117	0.112E+00
0.129	0.113E+00	0.142	0.114E+00	0.155	0.114E+00	0.168	0.114E+00
0.181	0.115E+00	0.197	0.114E+00	0.216	0.114E+00	0.238	0.114E+00
0.258	0.113E+00	0.279	0.112E+00	0.302	0.110E+00	0.329	0.109E+00

0.355	0.107E+00	0.381	0.106E+00	0.410	0.104E+00	0.439	0.102E+00
0.466	0.998E-01	0.493	0.974E-01	0.522	0.947E-01	0.550	0.924E-01
0.582	0.897E-01	0.614	0.868E-01	0.649	0.844E-01	0.681	0.813E-01
0.714	0.790E-01	0.753	0.763E-01	0.787	0.737E-01	0.824	0.714E-01
0.865	0.685E-01	0.906	0.659E-01	0.946	0.637E-01	0.979	0.614E-01

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M O D E S D A T A

NUMBER OF EIGENVALUES	1000
EIGEN CONVERGENCE TOLERANCE	0.1000E-04
EIGEN CUTOFF FREQUENCY	0.3300E+02
EIGEN FREQUENCY SHIFT	0.0000E+00
INCLUDE RESIDUAL-MASS MODES	YES

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R E S P O N S E S P E C T R U M D A T A

SPEC LABEL	HORIZ	ACC	FUNCTION	FUNCTION
DAMPING RATIO	0.050	DIR	FACTOR	LABEL
DIRECTION FACTOR	0.000	U1	772.80	5DAMP
MODAL COMBINATION	CQC	U2	0.00	0
COORDINATE SYSTEM	0	U3	0.00	0
COORDINATE ANGLE	0			

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L O A D C O M B I N A T I O N M U L T I P L I E R S

COMBO LABEL	DEADLOAD
COMBO TYPE	ABS

LOAD LABEL	MODE NUM	SPEC LABEL	HIST LABEL	MOVE LABEL	COMBO LABEL	SCALE FACTOR
DEAD						1.000
MANIFOLD						1.000
TBAR						1.000
TOPCOVER						1.000
PEWALLS						1.000
HOTBASIN						1.000
DRIFTELM						1.000
FANMOTOR						1.000
CABLETRY						1.000
LOUVERWL						1.000
SECDIST						1.000

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 O U T P U T   S E L E C T I O N

 DISPLACEMENTS AT JOINTS

      LOAD     MODES      SPEC      HIST      MOVE      COMB
     LABEL               LABEL     LABEL     LABEL     LABEL

                         HORIZ

 REACTIONS AT JOINTS

      LOAD     MODES      SPEC      HIST      MOVE      COMB
     LABEL               LABEL     LABEL     LABEL     LABEL

                         HORIZ

 INTERNAL FORCES AT ELEMENT FRAME

      LOAD     MODES      SPEC      HIST      MOVE      COMB
     LABEL               LABEL     LABEL     LABEL     LABEL

                         HORIZ


C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE   27
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 I N P U T   C O M P L E T E
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B E G I N   A N A L Y S I S                                2005/04/05  11:52:30

MAXIMUM MEMORY BLOCK SIZE (BYTES)         =       7.629 MB


E L E M E N T   F O R M A T I O N                                     11:52:30

NUMBER OF JOINT  ELEMENTS FORMED          =         114
NUMBER OF SPRING ELEMENTS FORMED          =         191
NUMBER OF FRAME  ELEMENTS FORMED          =         286
NUMBER OF CONSTRAINTS FORMED              =           2


E Q U A T I O N   S O L U T I O N                                     11:52:31

TOTAL NUMBER OF EQUILIBRIUM EQUATIONS     =         555
APPROXIMATE "EFFECTIVE" BAND WIDTH        =          25

NUMBER OF EQUATION STORAGE BLOCKS         =           1
MAXIMUM BLOCK SIZE (8-BYTE TERMS)         =       14357
SIZE OF STIFFNESS FILE(S) (BYTES)         =     114.348 KB

NUMBER OF EQUATIONS TO SOLVE              =         555
NUMBER OF STATIC LOAD CASES               =          11
NUMBER OF ACCELERATION LOADS              =           6
NUMBER OF NONLINEAR DEFORMATION LOADS     =           0


E I G E N   A N A L Y S I S                                           11:52:32

NUMBER OF STIFFNESS DEGREES OF FREEDOM    =         555
NUMBER OF MASS DEGREES OF FREEDOM         =         364
NUMBER OF EIGEN MODES SOUGHT              =         998
NUMBER OF RESIDUAL-MASS MODES SOUGHT      =           2
NUMBER OF SUBSPACE VECTORS USED           =          20

RELATIVE CONVERGENCE TOLERANCE            =    1.00E-05
FREQUENCY SHIFT  (CENTER) (CYC/TIME)      =     .000000
FREQUENCY CUTOFF (RADIUS) (CYC/TIME)      =   33.000000

* * * W A R N I N G * * *
NUMBER OF MODES SOUGHT REDUCED TO THE NUMBER OF MASS DEGREES OF FREEDOM


NUMBER OF EIGEN MODES FOUND               =          62
NUMBER OF ITERATIONS PERFORMED            =          47

NON-ZERO RESIDUAL-MASS MODES SOUGHT       =       UX,UZ
SIGNIFICANT RESIDUAL-MASS MODES FOUND     =       UX,UZ


R E S P O N S E - S P E C T R U M   A N A L Y S I S                   11:52:54

NUMBER OF SPEC ANALYSES PERFORMED         =           1


J O I N T   O U T P U T                                               11:52:54
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G L O B A L F O R C E B A L A N C E R E L A T I V E E R R O R S

PERCENT FORCE AND MOMENT ERROR AT THE ORIGIN, IN GLOBAL COORDINATES

LOAD	FX	FY	FZ	MX	MY	MZ
DEAD	2.08E-14	1.13E-31	3.02E-14	1.80E-14	1.75E-14	6.73E-15
MANIFOLD	5.32E-14	.000000	6.00E-15	2.05E-15	7.36E-14	1.69E-14
TBAR	4.43E-14	.000000	2.70E-14	9.19E-15	6.03E-14	1.41E-14
TOPCOVER	1.48E-14	.000000	3.68E-14	1.04E-14	6.26E-14	4.75E-15
PEWALLS	.000000	.000000	.000000	.000000	.000000	.000000
HOTBASIN	2.60E-14	.000000	1.37E-14	2.34E-15	2.82E-14	8.33E-15
DRIFTELM	1.68E-14	.000000	6.25E-14	2.31E-14	1.09E-14	5.24E-15
FANMOTOR	8.19E-14	.000000	1.00E-13	3.27E-14	5.13E-15	2.48E-14
CABLETRY	1.19E-13	.000000	1.68E-13	3.75E-14	2.43E-13	2.67E-14
LOUVERWL	2.59E-14	.000000	1.26E-13	4.04E-14	1.52E-13	8.28E-15
SECDIST	1.31E-13	.000000	3.74E-14	1.28E-14	1.82E-13	4.21E-14

MODE	FX	FY	FZ	MX	MY	MZ
1	0.001143	.000000	0.001848	0.000419	0.000775	0.000259
2	0.001345	.000000	0.004342	0.000983	0.001874	0.000304
3	0.033322	.000000	0.042524	0.013435	0.003512	0.010527
4	0.009870	.000000	0.036648	0.008299	0.016181	0.002235
5	0.006315	.000000	0.019593	0.004437	0.013922	0.001430
6	4.21E-05	.000000	0.005221	0.001182	0.004453	9.54E-06
7	0.002490	.000000	0.002660	0.000850	0.001767	0.000796
8	0.009229	.000000	0.003775	0.001193	0.013552	0.002916
9	0.020937	.000000	0.001537	0.000348	0.012822	0.004741
10	0.001280	.000000	0.016350	0.005225	0.012264	0.000409
11	0.010375	.000000	0.012013	0.002720	0.016398	0.002349
12	0.001084	.000000	0.007321	0.002340	0.008310	0.000347
13	0.003749	.000000	0.050955	0.011893	0.038511	0.000875
14	0.000251	.000000	0.009415	0.003009	0.008617	8.02E-05
15	0.153290	.000000	0.434564	0.102366	0.436001	0.036109
16	0.092372	.000000	0.348049	0.109958	0.447636	0.029183
17	0.025216	.000000	0.277826	0.088782	0.210090	0.008058
18	0.018729	.000000	0.178291	0.056975	0.073161	0.005985
19	0.169883	.000000	0.406768	0.129988	0.064036	0.054288
20	0.278701	.000000	0.423614	0.133831	0.283558	0.088049
21	0.023693	.000000	0.079425	0.025381	0.030647	0.007571
22	0.004969	.000000	0.003331	0.001052	0.002078	0.001570
23	0.040631	.000000	0.068768	0.018874	0.025081	0.011152
24	0.205673	.000000	1.132446	0.319965	0.655671	0.058111
25	0.029703	.000000	0.023071	0.007373	0.002093	0.009492
26	0.001803	.000000	0.062015	0.014315	0.028012	0.000416
27	0.004346	.000000	0.001274	0.000407	0.004967	0.001389
28	0.002358	.000000	0.004168	0.000944	0.024220	0.000534
29	0.004661	.000000	0.083064	0.026544	0.052531	0.001489
30	0.001133	.000000	0.117173	0.026534	0.042435	0.000257
31	0.004623	.000000	0.011251	0.003555	0.006316	0.001460
32	0.002592	.000000	0.000884	0.000282	0.007096	0.000828
33	0.017963	.000000	0.161518	0.036575	0.077337	0.004068
34	0.002576	.000000	0.003882	0.001226	0.007262	0.000814
35	0.007399	.000000	0.022115	0.006661	0.003917	0.002228
36	0.022562	.000000	0.014276	0.003245	0.032243	0.005129
37	0.012523	.000000	0.018998	0.004302	0.004438	0.002836
38	0.001048	.000000	0.006722	0.002148	0.006311	0.000335
39	0.008212	.000000	0.079640	0.022217	0.050325	0.002291
40	0.037653	.000000	0.053456	0.012105	0.013015	0.008526
41	0.041713	.000000	0.057612	0.018411	0.127159	0.013330
42	0.048962	.000000	0.094294	0.029790	0.133432	0.015468
43	0.073892	.000000	0.070390	0.015940	0.111839	0.016733
44	0.225918	.000000	0.285049	0.091091	0.490484	0.072195
45	0.069088	.000000	0.113298	0.036176	0.040754	0.022060

46	0.024551	.000000	0.188801	0.060333	0.215524	0.007846
47	0.063825	.000000	0.016443	0.005254	0.030944	0.020396
48	0.092155	.000000	0.096501	0.021852	0.002910	0.020868
49	0.820023	.000000	0.158783	0.050741	0.443166	0.262048
50	0.044727	.000000	0.001013	0.000324	0.053177	0.014293
51	0.098605	.000000	0.458025	0.143987	0.221175	0.030998
52	0.035957	.000000	0.312317	0.099804	0.290632	0.011490
53	0.098537	.000000	0.551469	0.174224	0.505533	0.031131
54	0.001318	.000000	0.521242	0.166569	0.444270	0.000421
55	0.020341	.000000	0.086344	0.019552	0.070761	0.004606
56	0.044462	.000000	0.013303	0.004251	0.045035	0.014208
57	0.025567	.000000	0.008012	0.001814	0.017573	0.005790
58	0.034072	.000000	0.050986	0.016293	0.084630	0.010888
59	0.078818	.000000	0.008407	0.002587	0.049000	0.024256
60	0.144533	.000000	0.422317	0.134956	0.490318	0.046187
61	0.302235	.000000	0.415820	0.131369	0.117930	0.095484
62	0.006860	.000000	0.172504	0.039063	0.074140	0.001553
63	15.225386	.000000	1.450440	0.458233	19.677654	4.810111
64	0.169217	.000000	24.761479	7.912816	22.385713	0.054075

SPEC	FX	FY	FZ	MX	MY	MZ
HORIZ	0.032933	.000000	0.003969	0.000899	0.030523	0.007458

COMB MAX/MIN	FX	FY	FZ	MX	MY	MZ
DEADLOAD	4.98E-14	5.86E-33	3.71E-14	1.24E-14	6.93E-14	1.59E-14
DEADLOAD	4.98E-14	5.86E-33	3.71E-14	1.24E-14	6.93E-14	1.59E-14

E L E M E N T J O I N T - F O R C E O U T P U T 11:52:58

NUMBER OF JOINT ELEMENTS SAVED = 114
NUMBER OF FRAME ELEMENTS SAVED = 286
NUMBER OF SPRING ELEMENTS SAVED = 191

E L E M E N T O U T P U T 11:53:00

NUMBER OF FRAME ELEMENTS SAVED = 286
NUMBER OF FRAME ELEMENTS PRINTED = 286

A N A L Y S I S C O M P L E T E 2005/04/05 11:53:05

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                    S A P 2 0 0 0 (R)

                Structural Analysis Programs

                   Nonlinear Version 7.40

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        It is the responsibility of the user to verify all
                 results produced by this program

                      5 Apr 2005  11:52:30


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D I S P L A C E M E N T   D E G R E E S   O F   F R E E D O M

        (A) = Active DOF, equilibrium equation
        (-) = Restrained DOF, reaction computed
        (+) = Constrained DOF
        (>) = External substructure DOF
        ( ) = Null DOF

 JOINTS              UX  UY  UZ  RX  RY  RZ
      1 TO       3    A       A       A
     A3 TO      A8    -   -   -       A
     B3 TO      C8    A       A       A
     D2               -   -   -       A
     D3 TO      D8    A       A       A
     D9               -   -   -       A
     E2 TO      N9    A       A       A
     O4 TO      O7    +       A       A
     P1 TO      P3    A       A       A
     P4               +       A       A
     P5 TO      P6    A       A       A
     P7               +       A       A
     P8 TO   9SEC1    A       A       A

 CONSTRAINTS         U1  U2  U3  R1  R2  R3
    PO4 TO     PO7    A


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A S S E M B L E D   J O I N T   M A S S E S

IN GLOBAL COORDINATES

  JOINT          UX          UY          UZ          RX          RY          RZ
      1    0.070452    0.070452    0.070452     .000000     .000000     .000000
```

2	0.046857	0.046857	0.046857	.000000	.000000	.000000
3	0.046857	0.046857	0.046857	.000000	.000000	.000000
A3	0.014824	0.014824	0.014824	.000000	.000000	.000000
A4	0.014824	0.014824	0.014824	.000000	.000000	.000000
A5	0.014824	0.014824	0.014824	.000000	.000000	.000000
A6	0.014824	0.014824	0.014824	.000000	.000000	.000000
A7	0.014824	0.014824	0.014824	.000000	.000000	.000000
A8	0.014824	0.014824	0.014824	.000000	.000000	.000000
B3	0.047031	0.047031	0.047031	.000000	.000000	.000000
B4	0.065147	0.065147	0.065147	.000000	.000000	.000000
B5	0.079237	0.079237	0.079237	.000000	.000000	.000000
B6	0.079237	0.079237	0.079237	.000000	.000000	.000000
B7	0.065147	0.065147	0.065147	.000000	.000000	.000000
B8	0.047031	0.047031	0.047031	.000000	.000000	.000000
C3	0.046297	0.046297	0.046297	.000000	.000000	.000000
C4	0.046297	0.046297	0.046297	.000000	.000000	.000000
C7	0.046297	0.046297	0.046297	.000000	.000000	.000000
C8	0.046297	0.046297	0.046297	.000000	.000000	.000000
D2	0.125494	0.125494	0.125494	.000000	.000000	.000000
D3	0.036830	0.036830	0.036830	.000000	.000000	.000000
D4	0.054946	0.054946	0.054946	.000000	.000000	.000000
D5	0.069036	0.069036	0.069036	.000000	.000000	.000000
D6	0.069036	0.069036	0.069036	.000000	.000000	.000000
D7	0.054946	0.054946	0.054946	.000000	.000000	.000000
D8	0.036830	0.036830	0.036830	.000000	.000000	.000000
D9	0.125494	0.125494	0.125494	.000000	.000000	.000000
E2	0.224492	0.224492	0.224492	.000000	.000000	.000000
E3	0.040178	0.040178	0.040178	.000000	.000000	.000000
E4	0.034366	0.034366	0.034366	.000000	.000000	.000000
E5	0.053992	0.053992	0.053992	.000000	.000000	.000000
E6	0.053992	0.053992	0.053992	.000000	.000000	.000000
E7	0.034366	0.034366	0.034366	.000000	.000000	.000000
E8	0.040178	0.040178	0.040178	.000000	.000000	.000000
E9	0.224492	0.224492	0.224492	.000000	.000000	.000000
F2	0.396663	0.396663	0.396663	.000000	.000000	.000000
F3	0.041820	0.041820	0.041820	.000000	.000000	.000000
F8	0.041820	0.041820	0.041820	.000000	.000000	.000000
F9	0.396663	0.396663	0.396663	.000000	.000000	.000000
G2	0.451877	0.451877	0.451877	.000000	.000000	.000000
G3	0.145114	0.145114	0.145114	.000000	.000000	.000000
G4	0.060691	0.060691	0.060691	.000000	.000000	.000000
G5	0.081575	0.081575	0.081575	.000000	.000000	.000000
G6	0.081575	0.081575	0.081575	.000000	.000000	.000000
G7	0.060691	0.060691	0.060691	.000000	.000000	.000000
G8	0.145114	0.145114	0.145114	.000000	.000000	.000000
G9	0.451877	0.451877	0.451877	.000000	.000000	.000000
H2	0.603153	0.603153	0.603153	.000000	.000000	.000000
H3	0.068070	0.068070	0.068070	.000000	.000000	.000000
H8	0.068070	0.068070	0.068070	.000000	.000000	.000000
H9	0.603153	0.603153	0.603153	.000000	.000000	.000000
I1	0.413369	0.413369	0.413369	.000000	.000000	.000000
I2	0.055992	0.055992	0.055992	.000000	.000000	.000000
I3	0.034219	0.034219	0.034219	.000000	.000000	.000000
I4	0.152103	0.152103	0.152103	.000000	.000000	.000000
I5	0.089574	0.089574	0.089574	.000000	.000000	.000000
I6	0.089574	0.089574	0.089574	.000000	.000000	.000000
I7	0.152103	0.152103	0.152103	.000000	.000000	.000000
I8	0.034219	0.034219	0.034219	.000000	.000000	.000000
I9	0.055992	0.055992	0.055992	.000000	.000000	.000000
J1	0.418659	0.418659	0.418659	.000000	.000000	.000000
J2	0.052593	0.052593	0.052593	.000000	.000000	.000000
J3	0.068070	0.068070	0.068070	.000000	.000000	.000000
J8	0.068070	0.068070	0.068070	.000000	.000000	.000000

J9	0.052593	0.052593	0.052593	.000000	.000000	.000000
K1	0.413369	0.413369	0.413369	.000000	.000000	.000000
K2	0.055992	0.055992	0.055992	.000000	.000000	.000000
K3	0.034219	0.034219	0.034219	.000000	.000000	.000000
K4	0.076311	0.076311	0.076311	.000000	.000000	.000000
K5	0.140589	0.140589	0.140589	.000000	.000000	.000000
K6	0.140589	0.140589	0.140589	.000000	.000000	.000000
K7	0.076311	0.076311	0.076311	.000000	.000000	.000000
K8	0.034219	0.034219	0.034219	.000000	.000000	.000000
K9	0.055992	0.055992	0.055992	.000000	.000000	.000000
L1	0.424955	0.424955	0.424955	.000000	.000000	.000000
L2	0.054046	0.054046	0.054046	.000000	.000000	.000000
L3	0.063226	0.063226	0.063226	.000000	.000000	.000000
L8	0.063226	0.063226	0.063226	.000000	.000000	.000000
L9	0.054046	0.054046	0.054046	.000000	.000000	.000000
M1	1.404577	1.404577	1.404577	.000000	.000000	.000000
M2	1.513425	1.513425	1.513425	.000000	.000000	.000000
M3	0.879022	0.879022	0.879022	.000000	.000000	.000000
M4	0.895527	0.895527	0.895527	.000000	.000000	.000000
M5	1.620088	1.620088	1.620088	.000000	.000000	.000000
M6	2.937088	2.937088	2.937088	.000000	.000000	.000000
M7	0.895527	0.895527	0.895527	.000000	.000000	.000000
M8	0.879022	0.879022	0.879022	.000000	.000000	.000000
M9	1.513425	1.513425	1.513425	.000000	.000000	.000000
N1	2.673555	2.673555	2.673555	.000000	.000000	.000000
N2	14.145910	14.145910	14.145910	.000000	.000000	.000000
N3	12.000456	12.000456	12.000456	.000000	.000000	.000000
N8	12.000456	12.000456	12.000456	.000000	.000000	.000000
N9	14.145910	14.145910	14.145910	.000000	.000000	.000000
O4	0.074699	0.074699	0.074699	.000000	.000000	.000000
O7	0.074699	0.074699	0.074699	.000000	.000000	.000000
P1	2.681942	2.681942	2.681942	.000000	.000000	.000000
P2	4.612080	4.612080	4.612080	.000000	.000000	.000000
P3	4.007934	4.007934	4.007934	.000000	.000000	.000000
P4	0.060753	0.060753	0.060753	.000000	.000000	.000000
P5	3.350343	3.350343	3.350343	.000000	.000000	.000000
P6	3.350343	3.350343	3.350343	.000000	.000000	.000000
P7	0.060753	0.060753	0.060753	.000000	.000000	.000000
P8	6.189234	6.189234	6.189234	.000000	.000000	.000000
P9	6.284980	6.284980	6.284980	.000000	.000000	.000000
E2A	0.174497	0.174497	0.174497	.000000	.000000	.000000
E2B	0.282258	0.282258	0.282258	.000000	.000000	.000000
E3A	0.247158	0.247158	0.247158	.000000	.000000	.000000
E3B	0.250177	0.250177	0.250177	.000000	.000000	.000000
E3C	0.212058	0.212058	0.212058	.000000	.000000	.000000
E4A	0.213568	0.213568	0.213568	.000000	.000000	.000000
E4B	0.216497	0.216497	0.216497	.000000	.000000	.000000
E6A	0.216497	0.216497	0.216497	.000000	.000000	.000000
E6B	0.213568	0.213568	0.213568	.000000	.000000	.000000
E7A	0.212058	0.212058	0.212058	.000000	.000000	.000000
E7B	0.250177	0.250177	0.250177	.000000	.000000	.000000
E7C	0.247158	0.247158	0.247158	.000000	.000000	.000000
E8A	0.282258	0.282258	0.282258	.000000	.000000	.000000
E8B	0.174497	0.174497	0.174497	.000000	.000000	.000000
G2A	0.358613	0.358613	0.358613	.000000	.000000	.000000
G2B	0.610077	0.610077	0.610077	.000000	.000000	.000000
G2C	0.529503	0.529503	0.529503	.000000	.000000	.000000
G3A	0.531013	0.531013	0.531013	.000000	.000000	.000000
G3B	0.456377	0.456377	0.456377	.000000	.000000	.000000
G3C	0.452603	0.452603	0.452603	.000000	.000000	.000000
G4A	0.313516	0.313516	0.313516	.000000	.000000	.000000
G6A	0.313516	0.313516	0.313516	.000000	.000000	.000000
G7A	0.452603	0.452603	0.452603	.000000	.000000	.000000

G7B	0.456377	0.456377	0.456377	.000000	.000000	.000000
G7C	0.531013	0.531013	0.531013	.000000	.000000	.000000
G8A	0.529503	0.529503	0.529503	.000000	.000000	.000000
G8B	0.610077	0.610077	0.610077	.000000	.000000	.000000
G8C	0.358613	0.358613	0.358613	.000000	.000000	.000000
I10	0.413369	0.413369	0.413369	.000000	.000000	.000000
I1A	0.382048	0.382048	0.382048	.000000	.000000	.000000
I2A	0.659536	0.659536	0.659536	.000000	.000000	.000000
I2B	0.578177	0.578177	0.578177	.000000	.000000	.000000
I2C	0.574281	0.574281	0.574281	.000000	.000000	.000000
I3A	0.492636	0.492636	0.492636	.000000	.000000	.000000
I3B	0.494777	0.494777	0.494777	.000000	.000000	.000000
I3C	0.168681	0.168681	0.168681	.000000	.000000	.000000
I4A	0.178616	0.178616	0.178616	.000000	.000000	.000000
I6A	0.178616	0.178616	0.178616	.000000	.000000	.000000
I7A	0.168681	0.168681	0.168681	.000000	.000000	.000000
I7B	0.494777	0.494777	0.494777	.000000	.000000	.000000
I7C	0.492636	0.492636	0.492636	.000000	.000000	.000000
I8A	0.574281	0.574281	0.574281	.000000	.000000	.000000
I8B	0.578177	0.578177	0.578177	.000000	.000000	.000000
I8C	0.659536	0.659536	0.659536	.000000	.000000	.000000
I9A	0.382048	0.382048	0.382048	.000000	.000000	.000000
J10	0.418659	0.418659	0.418659	.000000	.000000	.000000
K10	0.413369	0.413369	0.413369	.000000	.000000	.000000
K1A	0.451945	0.451945	0.451945	.000000	.000000	.000000
K1B	0.771138	0.771138	0.771138	.000000	.000000	.000000
K2A	0.674378	0.674378	0.674378	.000000	.000000	.000000
K2B	0.676777	0.676777	0.676777	.000000	.000000	.000000
K2C	0.575238	0.575238	0.575238	.000000	.000000	.000000
K3A	0.578239	0.578239	0.578239	.000000	.000000	.000000
K3B	0.391277	0.391277	0.391277	.000000	.000000	.000000
K7A	0.391277	0.391277	0.391277	.000000	.000000	.000000
K7B	0.578239	0.578239	0.578239	.000000	.000000	.000000
K8A	0.575238	0.575238	0.575238	.000000	.000000	.000000
K8B	0.676777	0.676777	0.676777	.000000	.000000	.000000
K8C	0.674378	0.674378	0.674378	.000000	.000000	.000000
K9A	0.771138	0.771138	0.771138	.000000	.000000	.000000
K9B	0.451945	0.451945	0.451945	.000000	.000000	.000000
L10	0.424955	0.424955	0.424955	.000000	.000000	.000000
M10	1.404577	1.404577	1.404577	.000000	.000000	.000000
M3A	0.234516	0.234516	0.234516	.000000	.000000	.000000
M7A	0.234516	0.234516	0.234516	.000000	.000000	.000000
N10	2.673555	2.673555	2.673555	.000000	.000000	.000000
N1A	0.267262	0.267262	0.267262	.000000	.000000	.000000
N1B	0.456879	0.456879	0.456879	.000000	.000000	.000000
N1C	0.398124	0.398124	0.398124	.000000	.000000	.000000
N2A	0.393744	0.393744	0.393744	.000000	.000000	.000000
N2B	0.344379	0.344379	0.344379	.000000	.000000	.000000
N2C	0.341824	0.341824	0.341824	.000000	.000000	.000000
N8A	0.341824	0.341824	0.341824	.000000	.000000	.000000
N8B	0.344379	0.344379	0.344379	.000000	.000000	.000000
N8C	0.393744	0.393744	0.393744	.000000	.000000	.000000
N9A	0.398124	0.398124	0.398124	.000000	.000000	.000000
N9B	0.456879	0.456879	0.456879	.000000	.000000	.000000
N9C	0.267262	0.267262	0.267262	.000000	.000000	.000000
P10	3.147742	3.147742	3.147742	.000000	.000000	.000000
2SEC1	0.014090	0.014090	0.014090	.000000	.000000	.000000
3SEC1	0.014090	0.014090	0.014090	.000000	.000000	.000000
4SEC1	0.028181	0.028181	0.028181	.000000	.000000	.000000
5SEC1	0.028181	0.028181	0.028181	.000000	.000000	.000000
6SEC1	0.028181	0.028181	0.028181	.000000	.000000	.000000
7SEC1	0.028181	0.028181	0.028181	.000000	.000000	.000000
8SEC1	0.014090	0.014090	0.014090	.000000	.000000	.000000

9SEC1	0.014090	0.014090	0.014090	.000000	.000000	.000000

T O T A L A S S E M B L E D J O I N T M A S S E S

IN GLOBAL COORDINATES

	UX	UY	UZ	RX	RY	RZ
TOTAL	146.403777	146.403777	146.403777	.000000	.000000	.000000

T O T A L A C C E L E R A T E D M A S S A N D L O C A T I O N

TOTAL MASS ACTIVATED BY ACCELERATION LOADS, IN GLOBAL COORDINATES

	UX	UY	UZ
MASS	146.063845	.000000	146.063845
X-LOC	353.629299	.000000	353.629299
Y-LOC	120.000000	.000000	120.000000
Z-LOC	522.651632	.000000	522.651632

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M O D A L P E R I O D S A N D F R E Q U E N C I E S

MODE	PERIOD (TIME)	FREQUENCY (CYC/TIME)	FREQUENCY (RAD/TIME)	EIGENVALUE (RAD/TIME)**2
1	0.491789	2.033391	12.776173	163.230606
2	0.321567	3.109768	19.539249	381.782241
3	0.214061	4.671568	29.352329	861.559197
4	0.206611	4.840020	30.410746	924.813443
5	0.182637	5.475352	34.402649	1183.542
6	0.156110	6.405737	40.248435	1619.936
7	0.153323	6.522197	40.980170	1679.374
8	0.144551	6.917984	43.466974	1889.378
9	0.138498	7.220308	45.366535	2058.123
10	0.138016	7.245519	45.524939	2072.520
11	0.132878	7.525717	47.285475	2235.916
12	0.131175	7.623382	47.899123	2294.326
13	0.128166	7.802364	49.023701	2403.323
14	0.127511	7.842450	49.275568	2428.082
15	0.120973	8.266302	51.938709	2697.629
16	0.120767	8.280432	52.027489	2706.860
17	0.119560	8.363972	52.552387	2761.753
18	0.119393	8.375704	52.626103	2769.507
19	0.106019	9.432247	59.264559	3512.288
20	0.104278	9.589785	60.254396	3630.592
21	0.100370	9.963120	62.600128	3918.776
22	0.094914	10.535895	66.198980	4382.305
23	0.090462	11.054317	69.456320	4824.180
24	0.086801	11.520651	72.386387	5239.789
25	0.086616	11.545233	72.540836	5262.173
26	0.081153	12.322374	77.423762	5994.439
27	0.074930	13.345792	83.854084	7031.507
28	0.074356	13.448854	84.501639	7140.527
29	0.072665	13.761877	86.468425	7476.789
30	0.072522	13.788874	86.638050	7506.152
31	0.071668	13.953147	87.670211	7686.066
32	0.071485	13.988915	87.894946	7725.522

33	0.069793	14.328001	90.025488	8104.588
34	0.069097	14.472470	90.933208	8268.848
35	0.062263	16.060976	100.914086	10183.653
36	0.062125	16.096548	101.137592	10228.812
37	0.060794	16.449022	103.352253	10681.688
38	0.059525	16.799669	105.555430	11141.949
39	0.056392	17.732911	111.419167	12414.231
40	0.055947	17.874218	112.307027	12612.868
41	0.053905	18.551280	116.561132	13586.497
42	0.053442	18.711990	117.570899	13822.916
43	0.051903	19.266794	121.056839	14654.758
44	0.051739	19.327692	121.439470	14747.545
45	0.046821	21.358157	134.197259	18008.904
46	0.046289	21.603439	135.738410	18424.916
47	0.041278	24.226068	152.216873	23169.976
48	0.039457	25.344025	159.241206	25357.762
49	0.039429	25.362170	159.355211	25394.083
50	0.039201	25.509394	160.280252	25689.759
51	0.037224	26.864045	168.791774	28490.663
52	0.036971	27.047949	169.947276	28882.077
53	0.036644	27.289416	171.464456	29400.060
54	0.036411	27.464189	172.562586	29777.846
55	0.034198	29.241556	183.730113	33756.755
56	0.034141	29.289919	184.033988	33868.509
57	0.033360	29.975786	188.343419	35473.244
58	0.033241	30.083511	189.020277	35728.665
59	0.032687	30.593262	192.223132	36949.732
60	0.032577	30.696488	192.871724	37199.502
61	0.032124	31.129093	195.589863	38255.394
62	0.031396	31.851130	200.126550	40050.636
-------- THE FOLLOWING ARE RESIDUAL-MASS MODES --------				
63	0.024544	40.743214	255.997164	65534.548
64	0.021645	46.199455	290.279740	84262.327

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M O D A L P A R T I C I P A T I O N F A C T O R S

FOR UNIT ACCELERATION LOADS IN GLOBAL COORDINATES

MODE	PERIOD	UX	UY	UZ
1	0.491789	-10.699844	.000000	0.030957
2	0.321567	1.866317	.000000	0.010847
3	0.214061	0.930342	.000000	0.007824
4	0.206611	-0.048009	.000000	-0.099797
5	0.182637	1.755121	.000000	0.999471
6	0.156110	-2.980721	.000000	2.833728
7	0.153323	0.861546	.000000	8.570486
8	0.144551	-1.863932	.000000	0.026993
9	0.138498	0.600973	.000000	2.464099
10	0.138016	-0.478341	.000000	2.778652
11	0.132878	-0.402157	.000000	-1.255767
12	0.131175	0.189244	.000000	-4.307273
13	0.128166	0.018683	.000000	0.561088
14	0.127511	0.092186	.000000	-2.175429
15	0.120973	0.044139	.000000	-0.299346
16	0.120767	0.188118	.000000	-0.097798
17	0.119560	-0.067867	.000000	-0.428494
18	0.119393	-0.253554	.000000	0.367186
19	0.106019	0.016767	.000000	-0.261643

20	0.104278	0.261078	.000000	-0.046925
21	0.100370	0.071708	.000000	0.346062
22	0.094914	1.391592	.000000	0.597927
23	0.090462	0.562328	.000000	-1.293939
24	0.086801	-0.060884	.000000	-0.096298
25	0.086616	0.000217	.000000	1.007281
26	0.081153	-1.041902	.000000	-0.004891
27	0.074930	-0.013560	.000000	1.402159
28	0.074356	0.447032	.000000	0.018444
29	0.072665	0.012946	.000000	-0.960286
30	0.072522	0.267202	.000000	0.018853
31	0.071668	0.405268	.000000	-0.000812
32	0.071485	-0.008771	.000000	0.718166
33	0.069793	-0.397879	.000000	0.586957
34	0.069097	2.134261	.000000	0.080238
35	0.062263	0.102452	.000000	-1.432473
36	0.062125	-0.448687	.000000	-0.226739
37	0.060794	-0.759074	.000000	0.294335
38	0.059525	0.102245	.000000	2.908040
39	0.056392	-0.046219	.000000	0.549490
40	0.055947	-0.244564	.000000	-0.212486
41	0.053905	0.000612	.000000	-0.287487
42	0.053442	-0.538948	.000000	0.013858
43	0.051903	0.040954	.000000	-0.107131
44	0.051739	0.068049	.000000	0.130086
45	0.046821	-0.000255	.000000	-0.230928
46	0.046289	-0.051674	.000000	-0.280835
47	0.041278	0.016241	.000000	0.592334
48	0.039457	0.082015	.000000	0.157845
49	0.039429	-0.002903	.000000	0.010258
50	0.039201	-0.035981	.000000	0.312277
51	0.037224	0.170488	.000000	-0.028400
52	0.036971	0.007475	.000000	0.184329
53	0.036644	-0.120138	.000000	0.000977
54	0.036411	0.000512	.000000	0.155045
55	0.034198	0.081673	.000000	-0.024409
56	0.034141	0.005046	.000000	0.307409
57	0.033360	0.069916	.000000	-0.047544
58	0.033241	0.018957	.000000	0.093482
59	0.032687	0.117194	.000000	0.001348
60	0.032577	-0.002829	.000000	-0.082407
61	0.032124	0.043440	.000000	0.021486
62	0.031396	0.042068	.000000	-0.037852
-------- THE FOLLOWING ARE RESIDUAL-MASS MODES --------				
63	0.024544	-0.497645	.000000	0.031693
64	0.021645	5.23E-05	.000000	-1.786579

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M O D A L P A R T I C I P A T I N G M A S S R A T I O S

MODE	PERIOD	INDIVIDUAL MODE (PERCENT)			CUMULATIVE SUM (PERCENT)		
		UX	UY	UZ	UX	UY	UZ
1	0.491789	78.3812	0.0000	0.0007	78.3812	0.0000	0.0007
2	0.321567	2.3847	0.0000	0.0001	80.7659	0.0000	0.0007
3	0.214061	0.5926	0.0000	0.0000	81.3585	0.0000	0.0008
4	0.206611	0.0016	0.0000	0.0068	81.3601	0.0000	0.0076
5	0.182637	2.1090	0.0000	0.6839	83.4690	0.0000	0.6915
6	0.156110	6.0827	0.0000	5.4976	89.5518	0.0000	6.1891

7	0.153323	0.5082	0.0000	50.2884	90.0600	0.0000	56.4776
8	0.144551	2.3786	0.0000	0.0005	92.4385	0.0000	56.4781
9	0.138498	0.2473	0.0000	4.1569	92.6858	0.0000	60.6350
10	0.138016	0.1567	0.0000	5.2860	92.8425	0.0000	65.9210
11	0.132878	0.1107	0.0000	1.0796	92.9532	0.0000	67.0006
12	0.131175	0.0245	0.0000	12.7017	92.9777	0.0000	79.7023
13	0.128166	0.0002	0.0000	0.2155	92.9779	0.0000	79.9179
14	0.127511	0.0058	0.0000	3.2400	92.9838	0.0000	83.1579
15	0.120973	0.0013	0.0000	0.0613	92.9851	0.0000	83.2192
16	0.120767	0.0242	0.0000	0.0065	93.0093	0.0000	83.2258
17	0.119560	0.0032	0.0000	0.1257	93.0125	0.0000	83.3515
18	0.119393	0.0440	0.0000	0.0923	93.0565	0.0000	83.4438
19	0.106019	0.0002	0.0000	0.0469	93.0567	0.0000	83.4906
20	0.104278	0.0467	0.0000	0.0015	93.1034	0.0000	83.4921
21	0.100370	0.0035	0.0000	0.0820	93.1069	0.0000	83.5741
22	0.094914	1.3258	0.0000	0.2448	94.4327	0.0000	83.8189
23	0.090462	0.2165	0.0000	1.1463	94.6492	0.0000	84.9652
24	0.086801	0.0025	0.0000	0.0063	94.6517	0.0000	84.9715
25	0.086616	0.0000	0.0000	0.6946	94.6517	0.0000	85.6662
26	0.081153	0.7432	0.0000	0.0000	95.3949	0.0000	85.6662
27	0.074930	0.0001	0.0000	1.3460	95.3950	0.0000	87.0122
28	0.074356	0.1368	0.0000	0.0002	95.5319	0.0000	87.0124
29	0.072665	0.0001	0.0000	0.6313	95.5320	0.0000	87.6438
30	0.072522	0.0489	0.0000	0.0002	95.5809	0.0000	87.6440
31	0.071668	0.1124	0.0000	0.0000	95.6933	0.0000	87.6440
32	0.071485	0.0001	0.0000	0.3531	95.6934	0.0000	87.9971
33	0.069793	0.1084	0.0000	0.2359	95.8017	0.0000	88.2330
34	0.069097	3.1185	0.0000	0.0044	98.9203	0.0000	88.2374
35	0.062263	0.0072	0.0000	1.4048	98.9275	0.0000	89.6422
36	0.062125	0.1378	0.0000	0.0352	99.0653	0.0000	89.6774
37	0.060794	0.3945	0.0000	0.0593	99.4598	0.0000	89.7367
38	0.059525	0.0072	0.0000	5.7897	99.4669	0.0000	95.5265
39	0.056392	0.0015	0.0000	0.2067	99.4684	0.0000	95.7332
40	0.055947	0.0409	0.0000	0.0309	99.5093	0.0000	95.7641
41	0.053905	0.0000	0.0000	0.0566	99.5093	0.0000	95.8207
42	0.053442	0.1989	0.0000	0.0001	99.7082	0.0000	95.8208
43	0.051903	0.0011	0.0000	0.0079	99.7094	0.0000	95.8287
44	0.051739	0.0032	0.0000	0.0116	99.7125	0.0000	95.8403
45	0.046821	0.0000	0.0000	0.0365	99.7125	0.0000	95.8768
46	0.046289	0.0018	0.0000	0.0540	99.7144	0.0000	95.9308
47	0.041278	0.0002	0.0000	0.2402	99.7145	0.0000	96.1710
48	0.039457	0.0046	0.0000	0.0171	99.7191	0.0000	96.1880
49	0.039429	0.0000	0.0000	0.0001	99.7191	0.0000	96.1881
50	0.039201	0.0009	0.0000	0.0668	99.7200	0.0000	96.2549
51	0.037224	0.0199	0.0000	0.0006	99.7399	0.0000	96.2554
52	0.036971	0.0000	0.0000	0.0233	99.7400	0.0000	96.2787
53	0.036644	0.0099	0.0000	0.0000	99.7499	0.0000	96.2787
54	0.036411	0.0000	0.0000	0.0165	99.7499	0.0000	96.2951
55	0.034198	0.0046	0.0000	0.0004	99.7544	0.0000	96.2956
56	0.034141	0.0000	0.0000	0.0647	99.7544	0.0000	96.3602
57	0.033360	0.0033	0.0000	0.0015	99.7578	0.0000	96.3618
58	0.033241	0.0002	0.0000	0.0060	99.7580	0.0000	96.3678
59	0.032687	0.0094	0.0000	0.0000	99.7674	0.0000	96.3678
60	0.032577	0.0000	0.0000	0.0046	99.7674	0.0000	96.3724
61	0.032124	0.0013	0.0000	0.0003	99.7687	0.0000	96.3727
62	0.031396	0.0012	0.0000	0.0010	99.7699	0.0000	96.3737
-------- THE FOLLOWING ARE RESIDUAL-MASS MODES --------							
63	0.024544	0.1695	0.0000	0.0007	99.9395	0.0000	96.3744
64	0.021645	0.0000	0.0000	2.1853	99.9395	0.0000	98.5597

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M O D A L L O A D P A R T I C I P A T I O N R A T I O S

LOAD, ACC, OR NLLINK/DEF (TYPE)	(NAME)	STATIC (PERCENT)	DYNAMIC (PERCENT)	EFFECTIVE PERIOD
LOAD	DEAD	94.6633 ->	15.5835<- (*) SEE NOTE	0.119018
LOAD	MANIFOLD	98.1678	64.0486	0.140467
LOAD	TBAR	99.7541	88.0831	0.137783
LOAD	TOPCOVER	92.8967	44.2908	0.134464
LOAD	PEWALLS	0.0000	0.0000	-INFINITY-
LOAD	HOTBASIN	97.9417	48.1078	0.144371
LOAD	DRIFTELM	99.3417	86.3792	0.089941
LOAD	FANMOTOR	95.6891	73.1932	0.104280
LOAD	CABLETRY	95.5664	56.2814	0.171504
LOAD	LOUVERWL	94.9857	36.5149	0.106627
LOAD	SECDIST	90.9944	28.0535	0.131699
ACC	UX	100.0000	99.9395	0.485949
ACC	UY	0.0000	0.0000	-INFINITY-
ACC	UZ	99.9997	98.5597	0.147194
ACC	RX	0.0000	0.0000	-INFINITY-
ACC	RY	0.0000	0.0000	-INFINITY-
ACC	RZ	0.0000	0.0000	-INFINITY-

(*) NOTE: DYNAMIC LOAD PARTICIPATION RATIO EXCLUDES LOAD APPLIED
TO NON-MASS DEGREES OF FREEDOM

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R E S P O N S E S P E C T R U M A C C E L E R A T I O N S

IN RESPONSE-SPECTRUM LOCAL COORDINATES

SPEC HORIZ ----------

MODE	PERIOD	DAMP-RATIO	U1	U2	U3
1	0.491789	0.050000	75.408924	.000000	.000000
2	0.321567	0.050000	84.530273	.000000	.000000
3	0.214061	0.050000	88.308979	.000000	.000000
4	0.206611	0.050000	88.352143	.000000	.000000
5	0.182637	0.050000	88.506225	.000000	.000000
6	0.156110	0.050000	88.030725	.000000	.000000
7	0.153323	0.050000	87.977285	.000000	.000000
8	0.144551	0.050000	87.810236	.000000	.000000
9	0.138498	0.050000	87.555425	.000000	.000000
10	0.138016	0.050000	87.523875	.000000	.000000
11	0.132878	0.050000	87.187448	.000000	.000000
12	0.131175	0.050000	87.075997	.000000	.000000
13	0.128166	0.050000	86.910814	.000000	.000000
14	0.127511	0.050000	86.886526	.000000	.000000
15	0.120973	0.050000	86.644125	.000000	.000000
16	0.120767	0.050000	86.636471	.000000	.000000
17	0.119560	0.050000	86.591750	.000000	.000000
18	0.119393	0.050000	86.585541	.000000	.000000
19	0.106019	0.050000	85.675079	.000000	.000000
20	0.104278	0.050000	85.473025	.000000	.000000
21	0.100370	0.050000	85.019707	.000000	.000000
22	0.094914	0.050000	84.521483	.000000	.000000
23	0.090462	0.050000	84.187806	.000000	.000000

24	0.086801	0.050000	83.862057	.000000	.000000
25	0.086616	0.050000	83.845473	.000000	.000000
26	0.081153	0.050000	83.324819	.000000	.000000
27	0.074930	0.050000	82.370716	.000000	.000000
28	0.074356	0.050000	82.283538	.000000	.000000
29	0.072665	0.050000	82.041592	.000000	.000000
30	0.072522	0.050000	82.021240	.000000	.000000
31	0.071668	0.050000	81.899097	.000000	.000000
32	0.071485	0.050000	81.872882	.000000	.000000
33	0.069793	0.050000	81.630866	.000000	.000000
34	0.069097	0.050000	81.531200	.000000	.000000
35	0.062263	0.050000	80.566644	.000000	.000000
36	0.062125	0.050000	80.547274	.000000	.000000
37	0.060794	0.050000	80.320260	.000000	.000000
38	0.059525	0.050000	80.071569	.000000	.000000
39	0.056392	0.050000	79.457603	.000000	.000000
40	0.055947	0.050000	79.370228	.000000	.000000
41	0.053905	0.050000	79.011761	.000000	.000000
42	0.053442	0.050000	78.936185	.000000	.000000
43	0.051903	0.050000	78.684969	.000000	.000000
44	0.051739	0.050000	78.658273	.000000	.000000
45	0.046821	0.050000	77.500108	.000000	.000000
46	0.046289	0.050000	77.347673	.000000	.000000
47	0.041278	0.050000	76.236332	.000000	.000000
48	0.039457	0.050000	75.815686	.000000	.000000
49	0.039429	0.050000	75.808572	.000000	.000000
50	0.039201	0.050000	75.751224	.000000	.000000
51	0.037224	0.050000	75.253056	.000000	.000000
52	0.036971	0.050000	75.189273	.000000	.000000
53	0.036644	0.050000	75.106831	.000000	.000000
54	0.036411	0.050000	75.048240	.000000	.000000
55	0.034198	0.050000	74.493517	.000000	.000000
56	0.034141	0.050000	74.479364	.000000	.000000
57	0.033360	0.050000	74.283561	.000000	.000000
58	0.033241	0.050000	74.253619	.000000	.000000
59	0.032687	0.050000	74.114794	.000000	.000000
60	0.032577	0.050000	74.087242	.000000	.000000
61	0.032124	0.050000	73.928741	.000000	.000000
62	0.031396	0.050000	73.660758	.000000	.000000
63	0.024544	0.050000	71.158392	.000000	.000000
64	0.021645	0.050000	69.851696	.000000	.000000

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R E S P O N S E S P E C T R U M M O D A L A M P L I T U D E S

IN RESPONSE-SPECTRUM LOCAL COORDINATES

SPEC HORIZ ----------

MODE	PERIOD	U1	U2	U3
1	0.491789	-4.943091	.000000	.000000
2	0.321567	0.413221	.000000	.000000
3	0.214061	0.095359	.000000	.000000
4	0.206611	-0.004587	.000000	.000000
5	0.182637	0.131249	.000000	.000000
6	0.156110	-0.161979	.000000	.000000
7	0.153323	0.045134	.000000	.000000
8	0.144551	-0.086628	.000000	.000000
9	0.138498	0.025566	.000000	.000000

10	0.138016	-0.020201	.000000	.000000
11	0.132878	-0.015682	.000000	.000000
12	0.131175	0.007182	.000000	.000000
13	0.128166	0.000676	.000000	.000000
14	0.127511	0.003299	.000000	.000000
15	0.120973	0.001418	.000000	.000000
16	0.120767	0.006021	.000000	.000000
17	0.119560	-0.002128	.000000	.000000
18	0.119393	-0.007927	.000000	.000000
19	0.106019	0.000409	.000000	.000000
20	0.104278	0.006146	.000000	.000000
21	0.100370	0.001556	.000000	.000000
22	0.094914	0.026840	.000000	.000000
23	0.090462	0.009813	.000000	.000000
24	0.086801	-0.000974	.000000	.000000
25	0.086616	3.46E-06	.000000	.000000
26	0.081153	-0.014483	.000000	.000000
27	0.074930	-0.000159	.000000	.000000
28	0.074356	0.005151	.000000	.000000
29	0.072665	0.000142	.000000	.000000
30	0.072522	0.002920	.000000	.000000
31	0.071668	0.004318	.000000	.000000
32	0.071485	-9.30E-05	.000000	.000000
33	0.069793	-0.004008	.000000	.000000
34	0.069097	0.021044	.000000	.000000
35	0.062263	0.000811	.000000	.000000
36	0.062125	-0.003533	.000000	.000000
37	0.060794	-0.005708	.000000	.000000
38	0.059525	0.000735	.000000	.000000
39	0.056392	-0.000296	.000000	.000000
40	0.055947	-0.001539	.000000	.000000
41	0.053905	3.56E-06	.000000	.000000
42	0.053442	-0.003078	.000000	.000000
43	0.051903	0.000220	.000000	.000000
44	0.051739	0.000363	.000000	.000000
45	0.046821	-1.10E-06	.000000	.000000
46	0.046289	-0.000217	.000000	.000000
47	0.041278	5.34E-05	.000000	.000000
48	0.039457	0.000245	.000000	.000000
49	0.039429	-8.67E-06	.000000	.000000
50	0.039201	-0.000106	.000000	.000000
51	0.037224	0.000450	.000000	.000000
52	0.036971	1.95E-05	.000000	.000000
53	0.036644	-0.000307	.000000	.000000
54	0.036411	1.29E-06	.000000	.000000
55	0.034198	0.000180	.000000	.000000
56	0.034141	1.11E-05	.000000	.000000
57	0.033360	0.000146	.000000	.000000
58	0.033241	3.94E-05	.000000	.000000
59	0.032687	0.000235	.000000	.000000
60	0.032577	-5.63E-06	.000000	.000000
61	0.032124	8.39E-05	.000000	.000000
62	0.031396	7.74E-05	.000000	.000000
63	0.024544	-0.000540	.000000	.000000
64	0.021645	4.34E-08	.000000	.000000

R E S P O N S E S P E C T R U M M O D A L C O R R E L A T I O N S

PARTIAL MATRIX SHOWING CORRELATION FACTORS BETWEEN NEARBY MODES

SPEC HORIZ ----------

MODE I	PERIOD	I	I+1	I+2	I+3	I+4	I+5	I+6	I+7	I+8	I+9
1	0.491789	1.000	0.051	0.012	0.011	0.008	0.006	0.006	0.005	0.004	0.004
2	0.321567	1.000	0.055	0.047	0.028	0.017	0.016	0.014	0.012	0.012	0.011
3	0.214061	1.000	0.888	0.283	0.089	0.081	0.059	0.048	0.047	0.040	0.038
4	0.206611	1.000	0.396	0.111	0.099	0.071	0.057	0.056	0.047	0.044	0.040
5	0.182637	1.000	0.287	0.245	0.153	0.114	0.111	0.088	0.082	0.072	0.070
6	0.156110	1.000	0.969	0.628	0.410	0.396	0.277	0.247	0.203	0.195	0.132
7	0.153323	1.000	0.742	0.491	0.474	0.327	0.290	0.236	0.226	0.150	0.148
8	0.144551	1.000	0.845	0.823	0.584	0.514	0.408	0.388	0.238	0.235	0.216
9	0.138498	1.000	0.999	0.853	0.772	0.624	0.593	0.352	0.346	0.315	0.311
10	0.138016	1.000	0.874	0.794	0.645	0.614	0.364	0.358	0.326	0.321	0.124
11	0.132878	1.000	0.984	0.885	0.855	0.531	0.522	0.472	0.465	0.162	0.144
12	0.131175	1.000	0.949	0.926	0.603	0.593	0.537	0.530	0.179	0.158	0.121
13	0.128166	1.000	0.997	0.749	0.738	0.674	0.665	0.216	0.189	0.142	0.098
14	0.127511	1.000	0.783	0.772	0.707	0.698	0.225	0.197	0.147	0.101	0.076
15	0.120973	1.000	1.000	0.986	0.983	0.364	0.311	0.221	0.144	0.104	0.081
16	0.120767	1.000	0.990	0.987	0.370	0.316	0.225	0.145	0.105	0.082	0.081
17	0.119560	1.000	1.000	0.408	0.347	0.245	0.156	0.112	0.087	0.086	0.061
18	0.119393	1.000	0.414	0.352	0.248	0.158	0.113	0.088	0.087	0.061	0.042
19	0.106019	1.000	0.973	0.769	0.449	0.283	0.198	0.195	0.121	0.075	0.072
20	0.104278	1.000	0.873	0.530	0.330	0.228	0.224	0.136	0.082	0.079	0.069
21	0.100370	1.000	0.762	0.480	0.320	0.314	0.180	0.103	0.098	0.086	0.085
22	0.094914	1.000	0.812	0.555	0.544	0.288	0.150	0.142	0.121	0.120	0.111
23	0.090462	1.000	0.854	0.841	0.458	0.218	0.205	0.171	0.168	0.154	0.151
24	0.086801	1.000	1.000	0.688	0.315	0.293	0.239	0.235	0.213	0.208	0.172
25	0.086616	1.000	0.702	0.321	0.299	0.243	0.239	0.216	0.212	0.175	0.162
26	0.081153	1.000	0.610	0.566	0.449	0.441	0.392	0.382	0.304	0.277	0.123
27	0.074930	1.000	0.994	0.914	0.903	0.834	0.818	0.664	0.603	0.224	0.220
28	0.074356	1.000	0.950	0.941	0.881	0.866	0.713	0.650	0.240	0.235	0.196
29	0.072665	1.000	1.000	0.981	0.974	0.860	0.797	0.294	0.288	0.238	0.199
30	0.072522	1.000	0.986	0.980	0.872	0.810	0.299	0.293	0.242	0.203	0.135
31	0.071668	1.000	0.999	0.934	0.882	0.334	0.328	0.268	0.223	0.147	0.139
32	0.071485	1.000	0.946	0.896	0.343	0.336	0.275	0.228	0.149	0.141	0.110
33	0.069793	1.000	0.990	0.433	0.424	0.343	0.282	0.179	0.168	0.129	0.121
34	0.069097	1.000	0.479	0.468	0.378	0.309	0.193	0.182	0.138	0.130	0.107
35	0.062263	1.000	1.000	0.946	0.832	0.504	0.465	0.324	0.299	0.230	0.224
36	0.062125	1.000	0.955	0.845	0.515	0.476	0.331	0.305	0.235	0.229	0.109
37	0.060794	1.000	0.957	0.638	0.591	0.408	0.375	0.284	0.276	0.126	0.117
38	0.059525	1.000	0.773	0.722	0.503	0.462	0.346	0.336	0.146	0.135	0.068
39	0.056392	1.000	0.994	0.831	0.776	0.592	0.573	0.223	0.203	0.091	0.071
40	0.055947	1.000	0.878	0.826	0.639	0.620	0.238	0.216	0.096	0.074	0.074
41	0.053905	1.000	0.993	0.875	0.856	0.334	0.300	0.121	0.091	0.091	0.088
42	0.053442	1.000	0.921	0.905	0.363	0.325	0.129	0.096	0.096	0.093	0.069
43	0.051903	1.000	0.999	0.484	0.432	0.158	0.116	0.115	0.111	0.081	0.078
44	0.051739	1.000	0.500	0.446	0.162	0.118	0.118	0.113	0.083	0.080	0.076
45	0.046821	1.000	0.987	0.385	0.253	0.252	0.239	0.158	0.150	0.141	0.135
46	0.046289	1.000	0.431	0.280	0.279	0.264	0.172	0.164	0.153	0.146	0.097
47	0.041278	1.000	0.831	0.826	0.789	0.483	0.451	0.413	0.387	0.219	0.216
48	0.039457	1.000	1.000	0.996	0.746	0.702	0.646	0.607	0.327	0.322	0.261
49	0.039429	1.000	0.997	0.751	0.707	0.650	0.611	0.329	0.324	0.262	0.254
50	0.039201	1.000	0.789	0.744	0.687	0.647	0.348	0.342	0.276	0.267	0.231
51	0.037224	1.000	0.995	0.976	0.953	0.581	0.572	0.453	0.437	0.371	0.359
52	0.036971	1.000	0.992	0.977	0.621	0.611	0.485	0.468	0.396	0.383	0.335
53	0.036644	1.000	0.996	0.676	0.666	0.531	0.512	0.433	0.418	0.365	0.294
54	0.036411	1.000	0.717	0.707	0.566	0.546	0.461	0.446	0.388	0.312	0.059
55	0.034198	1.000	1.000	0.942	0.925	0.830	0.809	0.718	0.577	0.081	0.044
56	0.034141	1.000	0.949	0.933	0.840	0.819	0.729	0.587	0.082	0.044	
57	0.033360	1.000	0.999	0.960	0.947	0.875	0.730	0.094	0.049		
58	0.033241	1.000	0.973	0.961	0.895	0.754	0.096	0.050			

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   59    0.032687 1.000 0.999 0.971 0.860 0.107 0.054
   60    0.032577 1.000 0.981 0.880 0.109 0.055
   61    0.032124 1.000 0.950 0.120 0.058
   62    0.031396 1.000 0.140 0.066
   63    0.024544 1.000 0.387
   64    0.021645 1.000


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R E S P O N S E   S P E C T R U M   B A S E   R E A C T I O N S

IN RESPONSE-SPECTRUM LOCAL COORDINATES

SPEC   HORIZ ------------------

   FOR EACH MODE, DUE TO SPECTRAL ACCELERATION IN DIRECTION U1:

   MODE          F1          F2          F3          M1          M2          M3
      1    8633.316     .000000  -24.977725   -2997.327  5.0401E+06 -1.0360E+06
      2  294.430674     .000000    1.711222  205.346588  254593.940  -35331.681
      3   76.434585     .000000    0.642779   77.133507    4946.003   -9172.150
      4    0.203639     .000000    0.423309   50.797040 -425.777099  -24.436641
      5  272.638887     .000000  155.256988   18630.839 -219790.046  -32716.666
      6  782.126320     .000000 -743.556247  -89226.750  798248.703  -93855.158
      7   65.302168     .000000  649.612763   77953.532 -178874.670   -7836.260
      8  305.074212     .000000   -4.418088 -530.170614  -30048.157  -36608.905
      9   31.622260     .000000  129.657056   15558.847  -72624.881   -3794.671
     10   20.026319     .000000 -116.331685  -13959.802   21098.498   -2403.158
     11   14.100819     .000000   44.030958    5283.715  -35819.188   -1692.098
     12    3.118482     .000000  -70.977916   -8517.350   19836.206 -374.217853
     13    0.030337     .000000    0.911081  109.329661 -467.702601   -3.640483
     14    0.738389     .000000  -17.424643   -2090.957    4441.067  -88.606721
     15    0.168806     .000000   -1.144820 -137.378426  578.969371  -20.256702
     16    3.065925     .000000   -1.593896 -191.267570    1016.690 -367.911060
     17    0.398835     .000000    2.518136  302.176380 -658.553815  -47.860230
     18    5.566542     .000000   -8.061236 -967.348377    2789.074 -667.985056
     19    0.024086     .000000   -0.375856  -45.102759   94.369794   -2.890365
     20    5.825987     .000000   -1.047142 -125.657097  942.194039 -699.118382
     21    0.437169     .000000    2.109784  253.174133 -574.822283  -52.460298
     22  163.678190     .000000   70.327814    8439.338  473.689479  -19641.383
     23   26.621307     .000000  -61.256622   -7350.795   26757.214   -3194.557
     24    0.310870     .000000    0.491688   59.002512 -192.397722  -37.304368
     25    3.95E-06     .000000    0.018323    2.198782   -6.364762   -0.000474
     26   90.454031     .000000    0.424658   50.958957   47011.345  -10854.484
     27    0.015145     .000000   -1.566081 -187.929703  551.888203   -1.817365
     28   16.443309     .000000    0.678420   81.410450    8893.272   -1973.197
     29    0.013750     .000000   -1.019939 -122.392699  360.473303   -1.650041
     30    5.856068     .000000    0.413197   49.583650    3197.264 -702.728143
     31   13.451286     .000000   -0.026939   -3.232666 -164.403041   -1614.154
     32    0.006298     .000000   -0.515716  -61.885900  180.493265   -0.755810
     33   12.922805     .000000  -19.063914   -2287.670   11254.926   -1550.737
     34  371.380156     .000000   13.962050    1675.446   80432.873  -44565.619
     35    0.845667     .000000  -11.823982   -1418.878    4704.887 -101.480099
     36   16.215748     .000000    8.194473  983.336796    8472.832   -1945.890
     37   46.280024     .000000  -17.945349   -2153.442   36341.765   -5553.603
     38    0.837067     .000000   23.807828    2856.939   -7807.428 -100.448070
     39    0.169735     .000000   -2.017963 -242.155600  867.402858  -20.368200
     40    4.747242     .000000    4.124590  494.950829    3351.227 -569.669087
     41    2.96E-05     .000000   -0.013905   -1.668650    5.101805   -0.003553
     42   22.928184     .000000   -0.589555  -70.746660    1898.394   -2751.382
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43	0.131973	.000000	-0.345225	-41.426980	264.161325	-15.836765
44	0.364239	.000000	0.696301	83.556117	144.211558	-43.708632
45	5.06E-06	.000000	0.004572	0.548582	-1.719339	-0.000607
46	0.206531	.000000	1.122451	134.694125	-38.074958	-24.783742
47	0.020108	.000000	0.733386	88.006300	-247.194277	-2.412962
48	0.509967	.000000	0.981478	117.777420	-874.197289	-61.196051
49	0.000639	.000000	-0.002258	-0.270934	-0.214790	-0.076689
50	0.098068	.000000	-0.851135	-102.136185	214.902106	-11.768188
51	2.187320	.000000	-0.364370	-43.724453	830.088236	-262.478433
52	0.004201	.000000	0.103599	12.431935	-35.142336	-0.504144
53	1.084032	.000000	-0.008815	-1.057764	145.411868	-130.083837
54	1.97E-05	.000000	0.005958	0.714972	-2.037984	-0.002361
55	0.496910	.000000	-0.148510	-17.821141	466.322879	-59.629212
56	0.001896	.000000	0.115531	13.863705	-38.836537	-0.227567
57	0.363112	.000000	-0.246924	-29.630923	251.941980	-43.573409
58	0.026685	.000000	0.131591	15.790875	-33.368927	-3.202251
59	1.017927	.000000	0.011712	1.405463	396.800132	-122.151225
60	0.000593	.000000	0.017274	2.072848	-5.578920	-0.071167
61	0.139503	.000000	0.069001	8.280107	-2.350392	-16.740337
62	0.130360	.000000	-0.117296	-14.075537	255.488779	-15.643212
63	17.622413	.000000	-1.122314	-134.677666	5590.659	-2114.690
64	1.91E-07	.000000	-0.006532	-0.783791	2.290209	-2.30E-05

COMBINED FOR ALL MODES AND ALL DIRECTIONS OF SPECTRAL ACCELERATION:

	F1	F2	F3	M1	M2	M3
SPEC	8770.806	.000000	224.971941	26996.633	5.0956E+06	1.0525E+06

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J O I N T D I S P L A C E M E N T S

TRANSLATIONS AND ROTATIONS, IN GLOBAL COORDINATES

SPEC HORIZ ----------

JOINT	UX	UY	UZ	RY
1	0.231309	.000000	0.000185	.000000
2	0.490755	.000000	0.009894	.000000
3	0.491199	.000000	0.011126	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	0.002782
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	0.002782
A8	.000000	.000000	.000000	.000000
B3	0.118218	.000000	0.004673	.000000
B4	0.118194	.000000	0.005122	0.001463
B5	0.118235	.000000	0.012149	.000000
B6	0.118235	.000000	0.012168	.000000
B7	0.118194	.000000	0.005147	0.001463
B8	0.118218	.000000	0.004698	.000000
C3	0.129933	.000000	0.009114	.000000
C4	0.129906	.000000	0.009990	0.000985
C7	0.129904	.000000	0.010039	0.000985
C8	0.129930	.000000	0.009163	.000000
D2	.000000	.000000	.000000	0.000579
D3	0.043372	.000000	0.013554	.000000
D4	0.043361	.000000	0.014858	0.002477
D5	0.043382	.000000	0.035243	.000000

D6	0.043382	.000000	0.035297	.000000
D7	0.043361	.000000	0.014930	0.002476
D8	0.043372	.000000	0.013627	.000000
D9	.000000	.000000	.000000	0.000580
E2	0.008526	.000000	0.000769	0.000420
E3	0.009669	.000000	0.015011	.000000
E4	0.010022	.000000	0.016455	0.002608
E5	0.010096	.000000	0.039031	.000000
E6	0.010096	.000000	0.039091	.000000
E7	0.010023	.000000	0.016535	0.002608
E8	0.009672	.000000	0.015092	.000000
E9	0.008530	.000000	0.000789	0.000420
F2	0.015528	.000000	0.002369	0.000240
F3	0.015540	.000000	0.018026	.000000
F8	0.015567	.000000	0.018124	.000000
F9	0.015556	.000000	0.002431	0.000240
G2	0.083111	.000000	0.004707	.000000
G3	0.083077	.000000	0.022446	.000000
G4	0.083199	.000000	0.024628	.000000
G5	0.083234	.000000	0.058448	.000000
G6	0.083252	.000000	0.058538	.000000
G7	0.083255	.000000	0.024747	.000000
G8	0.083170	.000000	0.022567	.000000
G9	0.083199	.000000	0.004830	.000000
H2	0.103070	.000000	0.007071	.000000
H3	0.103129	.000000	0.026477	.000000
H8	0.103301	.000000	0.026663	.000000
H9	0.103237	.000000	0.007260	.000000
I1	0.076092	.000000	0.009250	.000000
I2	0.076072	.000000	0.011004	.000000
I3	0.075691	.000000	0.030533	.000000
I4	0.075055	.000000	0.034303	.000000
I5	0.075055	.000000	0.081522	.000000
I6	0.075037	.000000	0.081647	.000000
I7	0.075001	.000000	0.034468	.000000
I8	0.075638	.000000	0.030785	.000000
I9	0.076020	.000000	0.011264	.000000
J1	0.103285	.000000	0.011041	.000000
J2	0.103261	.000000	0.014925	.000000
J3	0.103183	.000000	0.034572	.000000
J8	0.103227	.000000	0.034887	.000000
J9	0.103304	.000000	0.015253	.000000
K1	0.074328	.000000	0.014425	.000000
K2	0.074186	.000000	0.018850	.000000
K3	0.073348	.000000	0.038601	.000000
K4	0.072116	.000000	0.043604	.000000
K5	0.070799	.000000	0.104586	.000000
K6	0.070795	.000000	0.104747	.000000
K7	0.072111	.000000	0.043905	.000000
K8	0.073343	.000000	0.038982	.000000
K9	0.074181	.000000	0.019247	.000000
L1	0.105736	.000000	0.014551	.000000
L2	0.105666	.000000	0.022739	.000000
L3	0.105552	.000000	0.042603	.000000
L8	0.105584	.000000	0.043045	.000000
L9	0.105697	.000000	0.023194	.000000
M1	0.473662	.000000	0.106412	.000000
M2	0.473172	.000000	0.026629	.000000
M3	0.467660	.000000	0.046591	.000000
M4	0.453358	.000000	0.052962	.000000
M5	0.438698	.000000	0.127609	.000000
M6	0.438959	.000000	0.127858	.000000
M7	0.453640	.000000	0.053398	.000000

M8	0.467963	.000000	0.047096	.000000
M9	0.473481	.000000	0.027144	.000000
N1	0.512499	.000000	0.116695	.000000
N2	0.511602	.000000	0.028560	.000000
N3	0.512062	.000000	0.047854	.000000
N8	0.512652	.000000	0.048421	.000000
N9	0.512191	.000000	0.029125	.000000
O4	0.364859	.000000	0.063644	.000000
O7	0.366102	.000000	0.064233	.000000
P1	0.369302	.000000	0.080194	.000000
P2	0.368569	.000000	0.028770	.000000
P3	0.367106	.000000	0.048146	.000000
P4	0.364859	.000000	0.063645	.000000
P5	0.365926	.000000	0.128173	.000000
P6	0.366341	.000000	0.128424	.000000
P7	0.366102	.000000	0.064234	.000000
P8	0.369225	.000000	0.048887	.000000
P9	0.371130	.000000	0.029448	.000000
E2A	0.009114	.000000	0.008578	0.000221
E2B	0.009493	.000000	0.012829	0.000250
E3A	0.009748	.000000	0.011118	0.000445
E3B	0.009878	.000000	0.007976	0.000414
E3C	0.009982	.000000	0.012435	0.000443
E4A	0.010049	.000000	0.020149	0.000412
E4B	0.010088	.000000	0.029895	0.000367
E6A	0.010089	.000000	0.030001	0.000367
E6B	0.010051	.000000	0.020244	0.000413
E7A	0.009984	.000000	0.012566	0.000439
E7B	0.009881	.000000	0.008028	0.000416
E7C	0.009750	.000000	0.011116	0.000453
E8A	0.009496	.000000	0.012919	0.000252
E8B	0.009117	.000000	0.008680	0.000222
G2A	0.083115	.000000	0.006344	0.000510
G2B	0.083111	.000000	0.015152	0.000367
G2C	0.083090	.000000	0.020475	0.000400
G3A	0.083114	.000000	0.016572	0.000699
G3B	0.083159	.000000	0.015201	0.000622
G3C	0.083191	.000000	0.020800	0.000683
G4A	0.083217	.000000	0.036964	0.000572
G6A	0.083260	.000000	0.037097	0.000573
G7A	0.083252	.000000	0.020805	0.000687
G7B	0.083232	.000000	0.015010	0.000627
G7C	0.083200	.000000	0.016644	0.000693
G8A	0.083183	.000000	0.020626	0.000403
G8B	0.083202	.000000	0.015399	0.000369
G8C	0.083204	.000000	0.006701	0.000511
I10	0.076039	.000000	0.009839	.000000
I1A	0.076088	.000000	0.007056	0.001178
I2A	0.076020	.000000	0.011206	0.000776
I2B	0.075902	.000000	0.021242	0.000567
I2C	0.075754	.000000	0.027583	0.000700
I3A	0.075574	.000000	0.021842	0.000919
I3B	0.075369	.000000	0.019147	0.000859
I3C	0.075139	.000000	0.028627	0.000935
I4A	0.075059	.000000	0.041030	0.000785
I6A	0.075011	.000000	0.041194	0.000785
I7A	0.075085	.000000	0.028725	0.000930
I7B	0.075316	.000000	0.018863	0.000865
I7C	0.075521	.000000	0.021816	0.000921
I8A	0.075701	.000000	0.028070	0.000721
I8B	0.075849	.000000	0.022530	0.000569
I8C	0.075967	.000000	0.012519	0.000793
I9A	0.076035	.000000	0.007674	0.001183

J10	0.103328	.000000	0.011608	.000000
K10	0.074323	.000000	0.014993	.000000
K1A	0.074322	.000000	0.012630	0.000707
K1B	0.074243	.000000	0.013731	0.000719
K2A	0.074065	.000000	0.018743	0.001179
K2B	0.073806	.000000	0.030536	0.000794
K2C	0.073492	.000000	0.034522	0.001152
K3A	0.073129	.000000	0.026597	0.001108
K3B	0.072600	.000000	0.022154	0.001104
K7A	0.072596	.000000	0.021787	0.001114
K7B	0.073124	.000000	0.026733	0.001106
K8A	0.073487	.000000	0.035616	0.001252
K8B	0.073801	.000000	0.034200	0.000801
K8C	0.074060	.000000	0.021610	0.001251
K9A	0.074238	.000000	0.014323	0.000722
K9B	0.074317	.000000	0.013289	0.000709
L10	0.105766	.000000	0.015202	.000000
M10	0.473972	.000000	0.106758	.000000
M3A	0.462912	.000000	0.020730	0.001312
M7A	0.463208	.000000	0.020837	0.001325
N10	0.513089	.000000	0.117135	.000000
N1A	0.512437	.000000	0.109581	0.001202
N1B	0.512165	.000000	0.080716	0.001240
N1C	0.511854	.000000	0.050700	0.001293
N2A	0.511658	.000000	0.022144	0.001052
N2B	0.511833	.000000	0.009112	0.001047
N2C	0.511977	.000000	0.030265	0.001036
N8A	0.512568	.000000	0.030931	0.001043
N8B	0.512423	.000000	0.010710	0.001053
N8C	0.512247	.000000	0.022834	0.001058
N9A	0.512444	.000000	0.051193	0.001296
N9B	0.512755	.000000	0.081183	0.001242
N9C	0.513027	.000000	0.110024	0.001204
P10	0.371998	.000000	0.081274	.000000
2SEC1	0.342476	.000000	0.025291	0.008030
3SEC1	0.338850	.000000	0.045219	0.007917
4SEC1	0.385106	.000000	0.051351	0.004183
5SEC1	0.372905	.000000	0.123648	0.004033
6SEC1	0.373118	.000000	0.123882	0.004036
7SEC1	0.385337	.000000	0.051763	0.004186
8SEC1	0.339142	.000000	0.045703	0.007916
9SEC1	0.342772	.000000	0.025786	0.008030

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J O I N T A C C E L E R A T I O N S

TRANSLATIONS AND ROTATIONS, IN GLOBAL COORDINATES

SPEC HORIZ ----------

JOINT	UX	UY	UZ	RY
1	50.841948	.000000	0.794102	.000000
2	80.325250	.000000	11.866004	.000000
3	80.572647	.000000	13.243023	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	3.473976
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	3.473100

A8	.000000	.000000	.000000	.000000
B3	121.732085	.000000	3.741750	.000000
B4	121.629694	.000000	3.448213	1.715187
B5	121.802847	.000000	3.313415	.000000
B6	121.803147	.000000	3.358643	.000000
B7	121.630566	.000000	3.455618	1.713563
B8	121.732969	.000000	3.820488	.000000
C3	131.627190	.000000	7.283307	.000000
C4	131.509578	.000000	6.720361	2.807396
C7	131.437528	.000000	6.734787	2.807585
C8	131.554663	.000000	7.436998	.000000
D2	.000000	.000000	.000000	4.263551
D3	103.407298	.000000	10.796764	.000000
D4	103.261597	.000000	9.985170	3.226813
D5	103.534244	.000000	9.610237	.000000
D6	103.533337	.000000	9.741319	.000000
D7	103.258963	.000000	10.006605	3.225774
D8	103.404651	.000000	11.025637	.000000
D9	.000000	.000000	.000000	4.264688
E2	61.730158	.000000	0.731525	2.772021
E3	71.942688	.000000	11.938962	.000000
E4	74.970806	.000000	11.052225	3.904512
E5	75.633667	.000000	10.642499	.000000
E6	75.637177	.000000	10.787631	.000000
E7	74.981103	.000000	11.075950	3.904608
E8	71.958488	.000000	12.192593	.000000
E9	61.749738	.000000	0.767535	2.773622
F2	82.547664	.000000	2.232277	0.407365
F3	82.691447	.000000	13.701824	.000000
F8	82.786151	.000000	14.010194	.000000
F9	82.642213	.000000	2.344145	0.405667
G2	35.875707	.000000	3.972196	.000000
G3	34.269815	.000000	16.314120	.000000
G4	35.738107	.000000	16.492191	.000000
G5	36.043042	.000000	15.917224	.000000
G6	36.117523	.000000	16.131239	.000000
G7	35.959220	.000000	16.526027	.000000
G8	34.614655	.000000	16.702027	.000000
G9	36.301065	.000000	4.210570	.000000
H2	48.288743	.000000	5.496529	.000000
H3	47.227302	.000000	16.417149	.000000
H8	47.917099	.000000	16.901021	.000000
H9	49.018070	.000000	5.907422	.000000
I1	59.187814	.000000	16.401018	.000000
I2	59.103376	.000000	6.902141	.000000
I3	57.581378	.000000	16.628797	.000000
I4	55.030398	.000000	22.742801	.000000
I5	55.114224	.000000	22.161649	.000000
I6	55.120202	.000000	22.453726	.000000
I7	55.048365	.000000	22.788817	.000000
I8	57.597811	.000000	17.142377	.000000
I9	59.118780	.000000	7.503777	.000000
J1	60.404445	.000000	17.318118	.000000
J2	60.241766	.000000	8.662905	.000000
J3	59.737386	.000000	17.239992	.000000
J8	59.455397	.000000	17.725218	.000000
J9	59.962038	.000000	9.441203	.000000
K1	73.455426	.000000	25.148341	.000000
K2	73.109330	.000000	10.721161	.000000
K3	71.135070	.000000	18.278216	.000000
K4	68.213034	.000000	24.368692	.000000
K5	65.079376	.000000	28.389465	.000000
K6	65.085805	.000000	28.759012	.000000

K7	68.215122	.000000	24.508843	.000000
K8	71.132105	.000000	18.685392	.000000
K9	73.101244	.000000	11.666301	.000000
L1	73.484827	.000000	27.231309	.000000
L2	73.279010	.000000	12.856419	.000000
L3	72.950620	.000000	19.806061	.000000
L8	72.276430	.000000	20.083590	.000000
L9	72.602634	.000000	13.922325	.000000
M1	78.274245	.000000	29.803190	.000000
M2	78.170352	.000000	15.107648	.000000
M3	77.261842	.000000	21.777865	.000000
M4	74.992301	.000000	26.347741	.000000
M5	72.700123	.000000	30.823768	.000000
M6	72.812964	.000000	31.261887	.000000
M7	75.211304	.000000	26.606083	.000000
M8	77.593350	.000000	21.910838	.000000
M9	78.548035	.000000	16.290910	.000000
N1	83.767627	.000000	32.114961	.000000
N2	83.618643	.000000	16.572212	.000000
N3	83.697335	.000000	23.169666	.000000
N8	83.777609	.000000	23.272805	.000000
N9	83.698155	.000000	17.856569	.000000
O4	63.896007	.000000	28.285669	.000000
O7	64.189902	.000000	28.697223	.000000
P1	64.920921	.000000	31.552983	.000000
P2	64.746395	.000000	17.501972	.000000
P3	64.404397	.000000	24.192698	.000000
P4	63.896007	.000000	28.289658	.000000
P5	64.136425	.000000	31.642405	.000000
P6	64.235558	.000000	32.115714	.000000
P7	64.189902	.000000	28.701247	.000000
P8	64.924502	.000000	24.713877	.000000
P9	65.389324	.000000	19.161015	.000000
E2A	67.024453	.000000	31.623288	0.334652
E2B	70.393308	.000000	16.971394	1.334824
E3A	72.628995	.000000	14.569841	1.024731
E3B	73.758185	.000000	24.822424	0.386398
E3C	74.637800	.000000	14.614553	1.003613
E4A	75.217499	.000000	15.718819	0.789716
E4B	75.563408	.000000	23.771798	0.267925
E6A	75.569814	.000000	23.890342	0.261488
E6B	75.226727	.000000	15.674177	0.794958
E7A	74.649070	.000000	14.608922	0.986800
E7B	73.771338	.000000	24.500900	0.390052
E7C	72.643924	.000000	14.495092	1.015317
E8A	70.409826	.000000	17.273685	1.359100
E8B	67.042216	.000000	32.188098	0.336108
G2A	35.671493	.000000	18.287815	0.643251
G2B	35.232462	.000000	17.163423	1.281237
G2C	34.584405	.000000	22.402735	1.040562
G3A	34.730167	.000000	17.211700	0.952233
G3B	35.280387	.000000	23.642583	0.629708
G3C	35.661534	.000000	18.489872	0.940656
G4A	35.934344	.000000	35.586085	0.566709
G6A	36.103620	.000000	35.373790	0.569462
G7A	35.900379	.000000	18.440381	0.916155
G7B	35.563467	.000000	23.071350	0.629828
G7C	35.053345	.000000	16.879360	0.947322
G8A	34.942362	.000000	22.525887	1.042023
G8B	35.620646	.000000	17.192034	1.280216
G8C	36.083965	.000000	18.386850	0.636796
I10	59.203316	.000000	17.505823	.000000
I1A	59.170795	.000000	11.601001	1.371722

I2A	58.895870	.000000	20.630007	0.817945
I2B	58.428035	.000000	27.559115	0.716933
I2C	57.835555	.000000	20.001807	1.058393
I3A	57.116344	.000000	21.083686	0.964571
I3B	56.292699	.000000	28.073145	0.544447
I3C	55.368794	.000000	21.749243	1.108259
I4A	55.060517	.000000	25.980231	0.885249
I6A	55.076470	.000000	26.170477	0.912677
I7A	55.386550	.000000	21.598648	1.059564
I7B	56.309912	.000000	26.811221	0.548480
I7C	57.133066	.000000	20.396747	0.938693
I8A	57.851828	.000000	20.803931	1.066723
I8B	58.443907	.000000	28.699382	0.726930
I8C	58.911392	.000000	21.847383	0.813031
I9A	59.186255	.000000	12.636899	1.406027
J10	60.125434	.000000	18.611939	.000000
K10	73.446983	.000000	26.165204	.000000
K1A	73.439251	.000000	23.117949	0.694242
K1B	73.248464	.000000	11.628784	0.839026
K2A	72.825272	.000000	29.050851	1.413124
K2B	72.217293	.000000	44.121548	0.547808
K2C	71.474893	.000000	25.138475	1.615202
K3A	70.616735	.000000	21.762970	0.945096
K3B	69.363447	.000000	27.077520	0.701486
K7A	69.363745	.000000	24.442738	0.686581
K7B	70.614797	.000000	20.485096	0.852699
K8A	71.471243	.000000	27.592027	1.753407
K8B	72.211878	.000000	49.208534	0.570882
K8C	72.818147	.000000	32.951785	1.520853
K9A	73.240240	.000000	12.920318	0.845794
K9B	73.430837	.000000	24.166820	0.703063
L10	72.807069	.000000	28.276036	.000000
M10	78.657760	.000000	31.190910	.000000
M3A	76.502842	.000000	24.856235	0.640615
M7A	76.795972	.000000	22.562320	0.633806
N10	83.847171	.000000	33.571753	.000000
N1A	83.757298	.000000	31.949324	0.768966
N1B	83.712173	.000000	32.318647	0.464804
N1C	83.660530	.000000	22.213205	0.896104
N2A	83.628177	.000000	15.494492	0.567814
N2B	83.657930	.000000	16.619204	0.461562
N2C	83.682771	.000000	19.619525	0.488934
N8A	83.762875	.000000	19.743479	0.467709
N8B	83.737786	.000000	17.075806	0.446508
N8C	83.707765	.000000	16.859417	0.514731
N9A	83.740046	.000000	22.879276	0.873712
N9B	83.791703	.000000	32.608821	0.478369
N9C	83.836840	.000000	33.242877	0.724497
P10	65.600914	.000000	33.250264	.000000
2SEC1	62.021458	.000000	14.323947	1.970547
3SEC1	61.370604	.000000	21.050737	1.956216
4SEC1	65.290231	.000000	25.984961	0.968402
5SEC1	63.252573	.000000	30.371737	0.930691
6SEC1	63.364864	.000000	30.799359	0.931029
7SEC1	65.524426	.000000	26.221568	0.967685
8SEC1	61.554549	.000000	21.234803	1.945129
9SEC1	62.249010	.000000	15.467074	1.959182

S P R I N G F O R C E S

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

SPEC HORIZ ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
3	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	0.002782
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	0.002782
A8	.000000	.000000	.000000	.000000
B3	.000000	.000000	.000000	.000000
B4	.000000	.000000	.000000	0.001463
B5	.000000	.000000	.000000	.000000
B6	.000000	.000000	.000000	.000000
B7	.000000	.000000	.000000	0.001463
B8	.000000	.000000	.000000	.000000
C3	.000000	.000000	.000000	.000000
C4	.000000	.000000	.000000	0.000985
C7	.000000	.000000	.000000	0.000985
C8	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	0.000579
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	0.002477
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	0.002476
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	0.000580
E2	.000000	.000000	.000000	0.000420
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	0.002608
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	0.002608
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	0.000420
F2	.000000	.000000	.000000	0.000240
F3	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	0.000240
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000

I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	0.000221
E2B	.000000	.000000	.000000	0.000250
E3A	.000000	.000000	.000000	0.000445
E3B	.000000	.000000	.000000	0.000414
E3C	.000000	.000000	.000000	0.000443
E4A	.000000	.000000	.000000	0.000412
E4B	.000000	.000000	.000000	0.000367
E6A	.000000	.000000	.000000	0.000367
E6B	.000000	.000000	.000000	0.000413
E7A	.000000	.000000	.000000	0.000439
E7B	.000000	.000000	.000000	0.000416
E7C	.000000	.000000	.000000	0.000453
E8A	.000000	.000000	.000000	0.000252
E8B	.000000	.000000	.000000	0.000222
G2A	.000000	.000000	.000000	0.000510

G2B	.000000	.000000	.000000	0.000367
G2C	.000000	.000000	.000000	0.000400
G3A	.000000	.000000	.000000	0.000699
G3B	.000000	.000000	.000000	0.000622
G3C	.000000	.000000	.000000	0.000683
G4A	.000000	.000000	.000000	0.000572
G6A	.000000	.000000	.000000	0.000573
G7A	.000000	.000000	.000000	0.000687
G7B	.000000	.000000	.000000	0.000627
G7C	.000000	.000000	.000000	0.000693
G8A	.000000	.000000	.000000	0.000403
G8B	.000000	.000000	.000000	0.000369
G8C	.000000	.000000	.000000	0.000511
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.001178
I2A	.000000	.000000	.000000	0.000776
I2B	.000000	.000000	.000000	0.000567
I2C	.000000	.000000	.000000	0.000700
I3A	.000000	.000000	.000000	0.000919
I3B	.000000	.000000	.000000	0.000859
I3C	.000000	.000000	.000000	0.000935
I4A	.000000	.000000	.000000	0.000785
I6A	.000000	.000000	.000000	0.000785
I7A	.000000	.000000	.000000	0.000930
I7B	.000000	.000000	.000000	0.000865
I7C	.000000	.000000	.000000	0.000921
I8A	.000000	.000000	.000000	0.000721
I8B	.000000	.000000	.000000	0.000569
I8C	.000000	.000000	.000000	0.000793
I9A	.000000	.000000	.000000	0.001183
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.000707
K1B	.000000	.000000	.000000	0.000719
K2A	.000000	.000000	.000000	0.001179
K2B	.000000	.000000	.000000	0.000794
K2C	.000000	.000000	.000000	0.001152
K3A	.000000	.000000	.000000	0.001108
K3B	.000000	.000000	.000000	0.001104
K7A	.000000	.000000	.000000	0.001114
K7B	.000000	.000000	.000000	0.001106
K8A	.000000	.000000	.000000	0.001252
K8B	.000000	.000000	.000000	0.000801
K8C	.000000	.000000	.000000	0.001251
K9A	.000000	.000000	.000000	0.000722
K9B	.000000	.000000	.000000	0.000709
L10	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.001312
M7A	.000000	.000000	.000000	0.001325
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	0.001202
N1B	.000000	.000000	.000000	0.001240
N1C	.000000	.000000	.000000	0.001293
N2A	.000000	.000000	.000000	0.001052
N2B	.000000	.000000	.000000	0.001047
N2C	.000000	.000000	.000000	0.001036
N8A	.000000	.000000	.000000	0.001043
N8B	.000000	.000000	.000000	0.001053
N8C	.000000	.000000	.000000	0.001058
N9A	.000000	.000000	.000000	0.001296
N9B	.000000	.000000	.000000	0.001242
N9C	.000000	.000000	.000000	0.001204

P10	.000000	.000000	.000000	.000000
2SEC1	.000000	.000000	.000000	0.008030
3SEC1	.000000	.000000	.000000	0.007917
4SEC1	.000000	.000000	.000000	0.004183
5SEC1	.000000	.000000	.000000	0.004033
6SEC1	.000000	.000000	.000000	0.004036
7SEC1	.000000	.000000	.000000	0.004186
8SEC1	.000000	.000000	.000000	0.007916
9SEC1	.000000	.000000	.000000	0.008030

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R E S T R A I N T F O R C E S (R E A C T I O N S)

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

SPEC HORIZ ----------

JOINT	FX	FY	FZ	MY
A3	.000000	.000000	1586.825	.000000
A4	18.687388	.000000	1739.499	.000000
A5	.000000	.000000	4125.783	.000000
A6	.000000	.000000	4132.148	.000000
A7	18.686513	.000000	1747.962	.000000
A8	.000000	.000000	1595.367	.000000
D2	4384.225	.000000	7319.802	.000000
D9	4385.302	.000000	7344.558	.000000

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C O N S T R A I N T F O R C E S

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

SPEC HORIZ ----------

JOINT	FX	FY	FZ	MY
O4	1096.296	.000000	.000000	.000000
O7	1111.713	.000000	.000000	.000000
P4	1096.297	.000000	.000000	.000000
P7	1111.714	.000000	.000000	.000000

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G L O B A L F O R C E B A L A N C E

TOTAL FORCE AND MOMENT AT THE ORIGIN, IN GLOBAL COORDINATES

LOAD DEAD ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	8.42E-15	-6.12E-30	-3007.232	-360867.802	1.0424E+06	-1.01E-12
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	-4.10E-12	.000000

REACTNS	1.31E-12	-6.45E-31	3007.232	360867.802	-1.0424E+06	-1.59E-10
CONSTRS	-6.39E-14	.000000	.000000	.000000	7.02E-05	7.63E-12
TOTAL	1.25E-12	-6.77E-30	1.82E-12	4.07E-10	3.95E-10	-1.52E-10

LOADMANIFOLD ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-15152.000	-1.8182E+06	5.2521E+06	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	-1.19E-09	.000000
REACTNS	1.61E-11	.000000	15152.000	1.8182E+06	-5.2521E+06	-1.93E-09
CONSTRS	-1.07E-14	.000000	.000000	.000000	-4.75E-12	1.38E-12
TOTAL	1.61E-11	.000000	-1.82E-12	-2.33E-10	8.38E-09	-1.92E-09

LOAD TBAR ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-10124.000	-1.2149E+06	3.5092E+06	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	-7.12E-11	.000000
REACTNS	9.09E-12	.000000	10124.000	1.2149E+06	-3.5092E+06	-1.09E-09
CONSTRS	-1.21E-13	.000000	.000000	.000000	-7.50E-11	1.46E-11
TOTAL	8.97E-12	.000000	-5.46E-12	-6.98E-10	4.58E-09	-1.07E-09

LOADTOPCOVER ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-7424.000	-890880.000	2.5733E+06	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	-9.06E-10	.000000
REACTNS	2.33E-12	.000000	7424.000	890880.000	-2.5733E+06	-2.81E-10
CONSTRS	-1.31E-13	.000000	.000000	.000000	0.002563	1.57E-11
TOTAL	2.20E-12	.000000	-5.46E-12	-5.82E-10	3.49E-09	-2.65E-10

LOAD PEWALLS ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	.000000	.000000	.000000	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	.000000	.000000	.000000	.000000

LOADHOTBASIN ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-6624.000	-794880.000	2.2960E+06	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	1.13E-09	.000000
REACTNS	-3.44E-12	.000000	6624.000	794880.000	-2.2960E+06	4.13E-10
CONSTRS	-8.88E-15	.000000	.000000	.000000	-4.67E-12	1.07E-12
TOTAL	-3.45E-12	.000000	-1.82E-12	-1.16E-10	-1.40E-09	4.14E-10

LOADDRIFTELM ----------

	FX	FY	FZ	MX	MY	MZ

APPLIED	.000000	.000000	-1092.000	-131040.000	378514.500	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	-2.26E-11	.000000
REACTNS	4.12E-13	.000000	1092.000	131040.000	-378514.500	-4.85E-11
CONSTRS	-4.62E-14	.000000	.000000	.000000	-3.09E-11	5.60E-12
TOTAL	3.66E-13	.000000	1.36E-12	1.89E-10	-8.91E-11	-4.29E-11

LOADFANMOTOR ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-5903.000	-708360.000	2.3153E+06	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	-0.000433	.000000
REACTNS	1.00E-11	.000000	5903.000	708360.000	-2.3153E+06	-1.19E-09
CONSTRS	-3.41E-13	.000000	.000000	.000000	-2.28E-10	4.00E-11
TOTAL	9.66E-12	.000000	1.18E-11	1.51E-09	2.37E-10	-1.15E-09

LOADCABLETRY ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-360.000000	-43200.000	232537.500	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	-0.000436	.000000
REACTNS	1.99E-12	.000000	360.000000	43200.000	-231927.521	-2.39E-10
CONSTRS	-9.52E-13	.000000	.000000	.000000	-609.978716	1.15E-10
TOTAL	1.04E-12	.000000	-1.48E-12	-1.75E-10	1.13E-09	-1.24E-10

LOADLOUVERWL ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-3258.000	-390960.000	1.1293E+06	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	1.24E-09	.000000
REACTNS	1.70E-12	.000000	3258.000	390960.000	-1.1293E+06	-2.04E-10
CONSTRS	-9.77E-15	.000000	.000000	.000000	0.000411	1.25E-12
TOTAL	1.69E-12	.000000	-8.19E-12	-9.90E-10	3.71E-09	-2.03E-10

LOAD SECDIST ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-4861.000	-583320.000	1.7033E+06	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	-0.002006	.000000
REACTNS	1.26E-11	.000000	4861.000	583320.000	-1.7033E+06	-1.51E-09
CONSTRS	2.06E-13	.000000	.000000	.000000	1.37E-10	-2.47E-11
TOTAL	1.28E-11	.000000	3.64E-12	4.66E-10	6.66E-09	-1.54E-09

MODE 1 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-1746.542	.000000	5.053058	606.366956	-1.0196E+06	209585.044
SPRINGS	.000000	.000000	.000000	.000000	0.009766	.000000
REACTNS	1746.498	.000000	-5.124179	-614.901420	1.0144E+06	-209579.739
CONSTRS	0.000236	.000000	.000000	.000000	5276.205	-0.028272
TOTAL	-0.043975	.000000	-0.071121	-8.534464	15.810655	5.276962

MODE 2 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	712.526653	.000000	4.141182	496.941826	616121.157	-85503.198
SPRINGS	.000000	.000000	.000000	.000000	0.017967	.000000
REACTNS	-712.494385	.000000	-4.040214	-484.825721	-591086.698	85499.326
CONSTRS	-0.001000	.000000	.000000	.000000	-25057.573	0.120010
TOTAL	0.031268	.000000	0.100968	12.116105	-23.095478	-3.752172

MODE 3 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	801.544514	.000000	6.740616	808.873883	51867.112	-96185.342
SPRINGS	.000000	.000000	.000000	.000000	0.036249	.000000
REACTNS	-801.011039	.000000	-6.059138	-727.096619	-51850.755	96121.325
CONSTRS	0.000527	.000000	.000000	.000000	-37.770457	-0.063244
TOTAL	0.534001	.000000	0.681477	81.777264	-21.376871	-64.080175

MODE 4 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-44.399259	.000000	-92.293818	-11075.258	92832.010	5327.911
SPRINGS	.000000	.000000	.000000	.000000	-0.001153	.000000
REACTNS	44.365036	.000000	92.165186	11059.822	-92984.360	-5323.804
CONSTRS	-0.000420	.000000	.000000	.000000	182.447679	0.050365
TOTAL	-0.034643	.000000	-0.128632	-15.435784	30.097094	4.157151

MODE 5 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	2077.260	.000000	1182.917	141949.990	-1.6746E+06	-249271.145
SPRINGS	.000000	.000000	.000000	.000000	0.021248	.000000
REACTNS	-2076.858	.000000	-1184.155	-142098.605	1.6742E+06	249222.969
CONSTRS	-0.002313	.000000	.000000	.000000	891.654519	0.277566
TOTAL	0.399154	.000000	-1.238460	-148.615190	466.353502	-47.898535

MODE 6 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-4828.579	.000000	4590.460	550855.220	-4.9281E+06	579429.421
SPRINGS	.000000	.000000	.000000	.000000	0.006227	.000000
REACTNS	4828.573	.000000	-4589.486	-550738.366	4.9419E+06	-579428.769
CONSTRS	-0.002420	.000000	.000000	.000000	-14225.544	0.290452
TOTAL	-0.007856	.000000	0.973786	116.854340	-440.157755	0.942663

MODE 7 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	1446.858	.000000	14393.055	1.7272E+06	-3.9632E+06	-173623.010
SPRINGS	.000000	.000000	.000000	.000000	-0.004628	.000000
REACTNS	-1447.583	.000000	-14393.821	-1.7273E+06	3.9588E+06	173709.956
CONSTRS	0.007732	.000000	.000000	.000000	4625.616	-0.927899

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  TOTAL   -0.716822     .000000   -0.765708  -91.884981  191.022751   86.018601

MODE       8 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -3521.673     .000000   51.000907    6120.109  346865.681  422600.727
SPRINGS     .000000     .000000     .000000     .000000    0.000449     .000000
REACTNS    3522.336     .000000  -51.266803   -6152.016 -337503.500 -422680.308
CONSTRS   -0.013066     .000000     .000000     .000000   -8999.589    1.567941

  TOTAL    0.650112     .000000   -0.265895  -31.907454  362.592241  -78.013421

MODE       9 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    1236.876     .000000    5071.418  608570.141 -2.8407E+06 -148425.114
SPRINGS     .000000     .000000     .000000     .000000    0.001764     .000000
REACTNS   -1234.657     .000000   -5071.253 -608550.362  2.8401E+06  148158.856
CONSTRS    0.026175     .000000     .000000     .000000    1273.028   -3.140988

  TOTAL    2.244990     .000000    0.164824   19.778923  728.523868 -269.398784

MODE      10 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -991.370605     .000000    5758.812  691057.474 -1.0444E+06  118964.473
SPRINGS     .000000     .000000     .000000     .000000   -0.004380     .000000
REACTNS  991.199610     .000000   -5760.696 -691283.486  1.0457E+06 -118943.953
CONSTRS    0.023491     .000000     .000000     .000000 -763.552840   -2.818940

  TOTAL   -0.147504     .000000   -1.883432 -226.011863  530.506908   17.700536

MODE      11 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -899.188406     .000000   -2807.789 -336934.706  2.2841E+06  107902.609
SPRINGS     .000000     .000000     .000000     .000000    0.012680     .000000
REACTNS  898.327052     .000000    2808.826  337059.063 -2.2861E+06 -107799.246
CONSTRS   -0.033651     .000000     .000000     .000000    1207.240    4.038154

  TOTAL   -0.895005     .000000    1.036309  124.357027 -749.626664  107.400652

MODE      12 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  434.187713     .000000   -9882.288 -1.1859E+06  2.7618E+06  -52102.526
SPRINGS     .000000     .000000     .000000     .000000   -0.000375     .000000
REACTNS -433.977301     .000000    9880.841  1.1857E+06 -2.7603E+06   52077.276
CONSTRS    0.003889     .000000     .000000     .000000 -852.613639   -0.466650

  TOTAL    0.214301     .000000   -1.446887 -173.626423  616.745564  -25.716119

MODE      13 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   44.901843     .000000    1348.476  161817.091 -692239.175   -5388.221
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SPRINGS	.000000	.000000	.000000	.000000	-0.016986	.000000
REACTNS	-44.806612	.000000	-1349.851	-161982.082	693907.527	5376.793
CONSTRS	0.005923	.000000	.000000	.000000	-1134.078	-0.710730
TOTAL	0.101153	.000000	-1.374925	-164.991043	534.257784	-12.138380

MODE 14 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	223.835916	.000000	-5282.120	-633854.358	1.3463E+06	-26860.310
SPRINGS	.000000	.000000	.000000	.000000	-0.011375	.000000
REACTNS	-223.868545	.000000	5281.125	633735.015	-1.3443E+06	26864.225
CONSTRS	0.006119	.000000	.000000	.000000	-1646.684	-0.734283
TOTAL	-0.026510	.000000	-0.994528	-119.343324	341.803167	3.181226

MODE 15 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	119.071132	.000000	-807.525572	-96903.069	408389.515	-14288.536
SPRINGS	.000000	.000000	.000000	.000000	-0.005376	.000000
REACTNS	-121.575889	.000000	814.574633	97748.956	-414968.655	14589.107
CONSTRS	0.018241	.000000	.000000	.000000	2976.319	-2.188973
TOTAL	-2.486516	.000000	7.049061	845.887307	-3602.827	298.381867

MODE 16 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	509.209098	.000000	-264.724814	-31766.978	168858.586	-61105.092
SPRINGS	.000000	.000000	.000000	.000000	-0.016360	.000000
REACTNS	-508.264634	.000000	261.183494	31342.019	-175026.348	60991.756
CONSTRS	-0.004599	.000000	.000000	.000000	7897.773	0.551858
TOTAL	0.939866	.000000	-3.541321	-424.958460	1729.994	-112.783869

MODE 17 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-187.431857	.000000	-1183.393	-142007.206	309486.094	22491.823
SPRINGS	.000000	.000000	.000000	.000000	0.005877	.000000
REACTNS	188.086296	.000000	1176.836	141220.328	-304215.573	-22570.356
CONSTRS	-0.059281	.000000	.000000	.000000	-3408.501	7.113749
TOTAL	0.595158	.000000	-6.557321	-786.878555	1862.026	-71.418914

MODE 18 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-702.218859	.000000	1016.924	122030.923	-351841.517	84266.263
SPRINGS	.000000	.000000	.000000	.000000	0.017485	.000000
REACTNS	702.529864	.000000	-1013.305	-121596.556	360154.165	-84303.584
CONSTRS	0.069236	.000000	.000000	.000000	-8870.430	-8.308362
TOTAL	0.380242	.000000	3.619724	434.366863	-557.764356	-45.628982

MODE 19 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	58.890952	.000000	-918.965032	-110275.804	230733.224	-7066.914
SPRINGS	.000000	.000000	.000000	.000000	0.000654	.000000
REACTNS	-55.672115	.000000	926.471684	111176.602	-230574.957	6680.654
CONSTRS	-0.083749	.000000	.000000	.000000	285.498020	10.049934
TOTAL	3.135088	.000000	7.506652	900.798269	443.765121	-376.210530

MODE 20 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	947.867587	.000000	-170.366411	-20443.969	153291.668	-113744.110
SPRINGS	.000000	.000000	.000000	.000000	0.041181	.000000
REACTNS	-953.187626	.000000	162.313186	19477.582	-168596.157	114382.515
CONSTRS	0.021725	.000000	.000000	.000000	13256.887	-2.606944
TOTAL	-5.298314	.000000	-8.053225	-966.386966	-2047.560	635.797731

MODE 21 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	281.005871	.000000	1356.138	162736.593	-369487.271	-33720.705
SPRINGS	.000000	.000000	.000000	.000000	0.004092	.000000
REACTNS	-280.350103	.000000	-1353.986	-162478.291	368474.648	33642.012
CONSTRS	-0.013661	.000000	.000000	.000000	700.726239	1.639373
TOTAL	0.642107	.000000	2.152511	258.301311	-311.892908	-77.052810

MODE 22 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	6098.379	.000000	2620.298	314435.805	17648.889	-731805.535
SPRINGS	.000000	.000000	.000000	.000000	0.031977	.000000
REACTNS	-6097.759	.000000	-2620.705	-314484.560	-6169.001	731731.134
CONSTRS	-0.013919	.000000	.000000	.000000	-11383.670	1.670240
TOTAL	0.606085	.000000	-0.406295	-48.755373	96.249832	-72.730166

MODE 23 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	2712.774	.000000	-6242.194	-749063.334	2.7266E+06	-325532.885
SPRINGS	.000000	.000000	.000000	.000000	0.008611	.000000
REACTNS	-2717.961	.000000	6233.615	748033.811	-2.7203E+06	326155.330
CONSTRS	0.118052	.000000	.000000	.000000	-7706.679	-14.166288
TOTAL	-5.068985	.000000	-8.579357	-1029.523	-1368.072	608.278238

MODE 24 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-319.021727	.000000	-504.581222	-60549.747	197443.005	38282.607
SPRINGS	.000000	.000000	.000000	.000000	0.018291	.000000
REACTNS	321.319500	.000000	516.140339	61936.841	-218178.526	-38558.340
CONSTRS	-0.198427	.000000	.000000	.000000	17893.073	23.811269
TOTAL	2.099346	.000000	11.559118	1387.094	-2842.430	-251.921512

MODE 25 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	1.141658	.000000	5300.485	636058.216	-1.8412E+06	-136.998929
SPRINGS	.000000	.000000	.000000	.000000	0.000748	.000000
REACTNS	-4.336635	.000000	-5302.931	-636351.776	1.8404E+06	520.396168
CONSTRS	0.045430	.000000	.000000	.000000	656.103785	-5.451562
TOTAL	-3.149547	.000000	-2.446331	-293.559760	-83.333836	377.945677

MODE 26 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-6245.616	.000000	-29.321533	-3518.584	-3.2460E+06	749473.975
SPRINGS	.000000	.000000	.000000	.000000	0.057499	.000000
REACTNS	6245.932	.000000	21.574840	2588.981	3.1705E+06	-749511.856
CONSTRS	-0.090462	.000000	.000000	.000000	77368.141	10.855471
TOTAL	0.225213	.000000	-7.746693	-929.603130	1819.080	-27.025539

MODE 27 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-95.343809	.000000	9859.292	1.1831E+06	-3.4744E+06	11441.257
SPRINGS	.000000	.000000	.000000	.000000	-0.001803	.000000
REACTNS	96.260775	.000000	-9859.543	-1.1831E+06	3.4752E+06	-11551.293
CONSTRS	-0.059998	.000000	.000000	.000000	-421.614147	7.199746
TOTAL	0.856968	.000000	-0.251143	-30.137153	367.825104	-102.836207

MODE 28 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	3192.041	.000000	131.697667	15803.720	1.7264E+06	-383044.867
SPRINGS	.000000	.000000	.000000	.000000	0.041793	.000000
REACTNS	-3191.893	.000000	-131.426054	-15771.127	-1.7200E+06	383027.165
CONSTRS	0.006136	.000000	.000000	.000000	-7231.864	-0.736353
TOTAL	0.153653	.000000	0.271613	32.593568	-836.460339	-18.438364

MODE 29 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	96.795407	.000000	-7179.854	-861582.512	2.5375E+06	-11615.449
SPRINGS	.000000	.000000	.000000	.000000	0.001911	.000000
REACTNS	-97.295766	.000000	7191.792	863015.029	-2.5403E+06	11675.492
CONSTRS	-0.169487	.000000	.000000	.000000	-48.376525	20.338452
TOTAL	-0.669846	.000000	11.937647	1432.518	-2835.000	80.381500

MODE 30 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	2005.660	.000000	141.516919	16982.030	1.0950E+06	-240679.148
SPRINGS	.000000	.000000	.000000	.000000	0.072051	.000000
REACTNS	-2005.691	.000000	-136.672309	-16400.677	-1.0956E+06	240682.959

```
CONSTRS   -0.015076     .000000     .000000     .000000 -406.259268    1.809073

  TOTAL   -0.046837     .000000    4.844610  581.353164 -929.757497    5.620421

MODE      31 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    3114.917     .000000   -6.238242 -748.589073  -38070.844 -373790.014
SPRINGS     .000000     .000000     .000000     .000000    0.078706     .000000
REACTNS   -3115.212     .000000    6.939203  832.704362   31318.719  373825.498
CONSTRS    0.007692     .000000     .000000     .000000    6901.517   -0.923041

  TOTAL   -0.288009     .000000    0.700961   84.115289  149.470800   34.561090

MODE      32 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  -67.760009     .000000    5548.206  665784.686 -1.9418E+06    8131.201
SPRINGS     .000000     .000000     .000000     .000000   -0.001254     .000000
REACTNS   68.063539     .000000   -5548.304 -665796.456  1.9411E+06   -8167.625
CONSTRS   -0.015868     .000000     .000000     .000000  412.753848    1.904115

  TOTAL    0.287662     .000000   -0.098084  -11.770062 -295.698679  -34.519454

MODE      33 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -3224.647     .000000    4757.047  570845.638 -2.8085E+06  386957.620
SPRINGS     .000000     .000000     .000000     .000000    0.015086     .000000
REACTNS    3222.724     .000000   -4774.180 -572901.638  2.8046E+06 -386726.823
CONSTRS    0.017862     .000000     .000000     .000000    8198.383   -2.143455

  TOTAL   -1.905447     .000000  -17.133337   -2056.000    4347.326  228.653599

MODE      34 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   17647.876     .000000  663.472544   79616.705  3.8221E+06 -2.1177E+06
SPRINGS     .000000     .000000     .000000     .000000   -0.076902     .000000
REACTNS  -17646.991     .000000 -664.842683  -79781.122 -3.8308E+06  2.1176E+06
CONSTRS    0.024122     .000000     .000000     .000000    9611.859   -2.894586

  TOTAL    0.909342     .000000   -1.370139 -164.416704  973.519535 -109.121007

MODE      35 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    1043.340     .000000  -14587.803 -1.7505E+06  5.8046E+06 -125200.773
SPRINGS     .000000     .000000     .000000     .000000    0.011616     .000000
REACTNS   -1045.449     .000000   14581.352  1.7498E+06 -5.8111E+06  125453.834
CONSTRS   -0.049378     .000000     .000000     .000000    5953.856    5.925419

  TOTAL   -2.158224     .000000   -6.450837 -774.100403 -455.273956  258.986889

MODE      36 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
```

```
INERTIA   -4589.531     .000000   -2319.276 -278313.065 -2.3981E+06  550743.687
SPRINGS     .000000     .000000     .000000     .000000   -0.049368     .000000
REACTNS    4591.575     .000000    2320.586  278470.350  2.4241E+06 -550989.035
CONSTRS    0.026849     .000000     .000000     .000000  -24487.109   -3.221827

  TOTAL    2.071417     .000000    1.310704  157.284437    1562.692 -248.569989

MODE      37 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -8108.194     .000000    3143.999  377279.932 -6.3670E+06  972983.293
SPRINGS     .000000     .000000     .000000     .000000    0.027335     .000000
REACTNS    8105.219     .000000   -3148.587 -377830.426  6.3979E+06 -972626.279
CONSTRS   -0.048787     .000000     .000000     .000000  -31453.084    5.854436

  TOTAL   -3.023900     .000000   -4.587444 -550.493314 -567.856134  362.868048

MODE      38 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    1139.206     .000000   32401.237  3.8881E+06 -1.0626E+07 -136704.689
SPRINGS     .000000     .000000     .000000     .000000   -0.003448     .000000
REACTNS   -1139.893     .000000  -32405.594 -3.8887E+06  1.0623E+07  136787.135
CONSTRS    0.007982     .000000     .000000     .000000    3618.295   -0.957849

  TOTAL   -0.679068     .000000   -4.356425 -522.771012    1535.942   81.488103

MODE      39 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -573.769933     .000000    6821.496  818579.560 -2.9322E+06   68852.392
SPRINGS     .000000     .000000     .000000     .000000    0.011145     .000000
REACTNS  572.491946     .000000   -6810.640 -817276.772  2.9305E+06  -68699.033
CONSTRS    0.158457     .000000     .000000     .000000   -1270.422  -19.014799

  TOTAL   -1.119531     .000000   10.856567    1302.788   -2950.992  134.343738

MODE      40 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -3084.649     .000000   -2680.064 -321607.672 -2.1776E+06  370157.878
SPRINGS     .000000     .000000     .000000     .000000    0.054257     .000000
REACTNS    3087.730     .000000    2684.476  322137.071  2.1870E+06 -370527.566
CONSTRS    0.026706     .000000     .000000     .000000   -8853.722   -3.204721

  TOTAL    3.107438     .000000    4.411659  529.399104  569.210948 -372.892511

MODE      41 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    8.317284     .000000   -3905.943 -468713.149  1.4331E+06 -998.074039
SPRINGS     .000000     .000000     .000000     .000000   -0.002265     .000000
REACTNS  -11.894728     .000000    3910.446  469253.531 -1.4368E+06    1427.367
CONSTRS    0.317007     .000000     .000000     .000000   -1.104332  -38.040781

  TOTAL   -3.260438     .000000    4.503187  540.382394   -3732.317  391.252576

MODE      42 ------------------
```

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-7449.831	.000000	191.558522	22987.023	-616826.699	893979.749
SPRINGS	.000000	.000000	.000000	.000000	0.233050	.000000
REACTNS	7456.950	.000000	-205.614833	-24673.780	620838.632	-894834.025
CONSTRS	0.179817	.000000	.000000	.000000	3542.981	-21.578078
TOTAL	7.298781	.000000	-14.056311	-1686.757	7555.147	-875.853741

MODE 43 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	600.171512	.000000	-1569.973	-188396.763	1.2013E+06	-72020.581
SPRINGS	.000000	.000000	.000000	.000000	-0.024364	.000000
REACTNS	-596.636221	.000000	1566.782	188013.820	-1.1999E+06	71596.347
CONSTRS	-0.185351	.000000	.000000	.000000	1247.313	22.242119
TOTAL	3.349940	.000000	-3.191196	-382.943575	2686.879	-401.992750

MODE 44 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	1003.553	.000000	1918.455	230214.559	397332.971	-120426.413
SPRINGS	.000000	.000000	.000000	.000000	-0.029890	.000000
REACTNS	-1012.735	.000000	-1907.549	-228905.843	-407028.399	121528.167
CONSTRS	0.537659	.000000	.000000	.000000	2648.582	-64.519117
TOTAL	-8.643625	.000000	10.905967	1308.716	-7046.875	1037.235

MODE 45 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-4.600109	.000000	-4158.764	-499051.662	1.5641E+06	552.013061
SPRINGS	.000000	.000000	.000000	.000000	0.001571	.000000
REACTNS	10.738400	.000000	4168.198	500183.779	-1.5645E+06	-1288.608
CONSTRS	-0.385354	.000000	.000000	.000000	-920.257192	46.242423
TOTAL	5.752937	.000000	9.434309	1132.117	-1275.384	-690.352495

MODE 46 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-952.082777	.000000	-5174.358	-620922.971	175520.765	114249.933
SPRINGS	.000000	.000000	.000000	.000000	-0.019216	.000000
REACTNS	949.508040	.000000	5193.933	623272.018	-191539.481	-113940.965
CONSTRS	0.029182	.000000	.000000	.000000	7627.435	-3.501878
TOTAL	-2.545555	.000000	19.575396	2349.048	-8391.300	305.466562

MODE 47 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	376.295667	.000000	13724.372	1.6469E+06	-4.6259E+06	-45155.480
SPRINGS	.000000	.000000	.000000	.000000	-0.002295	.000000
REACTNS	-358.332562	.000000	-13719.860	-1.6464E+06	4.6272E+06	42999.907
CONSTRS	-0.446693	.000000	.000000	.000000	1865.776	53.603102

```
  TOTAL   17.516413     .000000    4.512556  541.506726    3188.975   -2101.970

MODE      48 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    2079.708     .000000    4002.590  480310.790 -3.5651E+06 -249565.016
SPRINGS     .000000     .000000     .000000     .000000   -0.024198     .000000
REACTNS   -2092.804     .000000   -4015.575 -481868.949  3.5602E+06  251136.429
CONSTRS    0.695259     .000000     .000000     .000000    5132.368  -83.431102

  TOTAL  -12.399855     .000000  -12.984662   -1558.159  207.520886    1487.983

MODE      49 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  -73.730947     .000000  260.482690   31257.923   24780.571    8847.714
SPRINGS     .000000     .000000     .000000     .000000    0.000829     .000000
REACTNS   68.803347     .000000 -259.656795  -31158.815  -25906.303   -8256.402
CONSTRS    0.662335     .000000     .000000     .000000  260.139210  -79.480155

  TOTAL   -4.265265     .000000    0.825896   99.107472 -865.592271  511.831845

MODE      50 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -924.334983     .000000    8022.309  962677.133 -2.0255E+06  110920.198
SPRINGS     .000000     .000000     .000000     .000000    0.011421     .000000
REACTNS  917.153298     .000000   -8022.147 -962657.636  2.0239E+06 -110058.396
CONSTRS    0.005484     .000000     .000000     .000000   -1589.057   -0.658136

  TOTAL   -7.176200     .000000    0.162474   19.496840   -3203.854  861.143985

MODE      51 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    4857.320     .000000 -809.147010  -97097.641  1.8434E+06 -582878.342
SPRINGS     .000000     .000000     .000000     .000000    0.011299     .000000
REACTNS   -4847.947     .000000  853.600457  102432.055 -1.8565E+06  581753.666
CONSTRS    0.197828     .000000     .000000     .000000    4949.994  -23.739331

  TOTAL    9.570121     .000000   44.453447    5334.414   -8194.082   -1148.415

MODE      52 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  215.892347     .000000    5323.793  638855.188 -1.8059E+06  -25907.082
SPRINGS     .000000     .000000     .000000     .000000    0.000457     .000000
REACTNS -219.981887     .000000   -5290.643 -634877.110  1.7945E+06   26397.826
CONSTRS    0.272943     .000000     .000000     .000000 -148.812567  -32.753159

  TOTAL   -3.816597     .000000   33.150650    3978.078  -11584.229  457.991616

MODE      53 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -3532.072     .000000   28.720694    3446.483 -473791.537  423848.630
SPRINGS     .000000     .000000     .000000     .000000   -0.006917     .000000
```

```
REACTNS    3538.916     .000000   10.274268    1232.912  464667.400 -424669.872
CONSTRS    0.123998     .000000     .000000     .000000   -4453.736  -14.879812

  TOTAL    6.967684     .000000   38.994962    4679.395  -13577.880 -836.122023

MODE      54 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   15.247676     .000000    4616.900  554027.989 -1.5792E+06   -1829.721
SPRINGS     .000000     .000000     .000000     .000000   -0.000347     .000000
REACTNS  -15.157436     .000000   -4665.283 -559833.902  1.5946E+06    1818.892
CONSTRS   -0.212588     .000000     .000000     .000000  144.479336   25.510519

  TOTAL   -0.122347     .000000  -48.382603   -5805.912   15485.456   14.681700

MODE      55 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    2757.023     .000000 -823.980248  -98877.630  2.5873E+06 -330842.736
SPRINGS     .000000     .000000     .000000     .000000    0.214905     .000000
REACTNS   -2759.451     .000000  832.511701   99901.404 -2.6199E+06  331134.156
CONSTRS    0.418671     .000000     .000000     .000000   28871.511  -50.240569

  TOTAL   -2.009834     .000000    8.531453    1023.774   -3705.115  241.180037

MODE      56 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  170.899982     .000000   10411.475  1.2494E+06 -3.4999E+06  -20507.998
SPRINGS     .000000     .000000     .000000     .000000    0.014376     .000000
REACTNS -161.835560     .000000  -10414.245 -1.2497E+06  3.5008E+06   19420.267
CONSTRS    0.195054     .000000     .000000     .000000    2611.413  -23.406499

  TOTAL    9.259476     .000000   -2.770502 -332.460239    3521.877   -1111.137

MODE      57 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    2480.131     .000000   -1686.547 -202385.587  1.7208E+06 -297615.767
SPRINGS     .000000     .000000     .000000     .000000   -0.003436     .000000
REACTNS   -2481.683     .000000    1686.026  202323.157 -1.7171E+06  297802.008
CONSTRS   -0.108190     .000000     .000000     .000000   -3074.085   12.982821

  TOTAL   -1.660197     .000000   -0.520252  -62.430198  604.681026  199.223647

MODE      58 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  677.321746     .000000    3339.995  400799.457 -846960.531  -81278.609
SPRINGS     .000000     .000000     .000000     .000000   -0.002526     .000000
REACTNS -679.706611     .000000   -3336.591 -400390.963  850366.426   81564.793
CONSTRS    0.110030     .000000     .000000     .000000   -5527.689  -13.203632

  TOTAL   -2.274834     .000000    3.404119  408.494312   -2121.796  272.980139

MODE      59 ------------------

                 FX          FY          FZ          MX          MY          MZ
```

APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	4330.292	.000000	49.824032	5978.884	1.6880E+06	-519634.984
SPRINGS	.000000	.000000	.000000	.000000	0.023026	.000000
REACTNS	-4323.381	.000000	-49.096528	-5891.583	-1.6810E+06	518805.727
CONSTRS	-0.089733	.000000	.000000	.000000	-5360.340	10.767922
TOTAL	6.820744	.000000	0.727504	87.300501	1653.437	-818.489246

MODE 60 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-105.247981	.000000	-3065.513	-367861.573	990072.977	12629.758
SPRINGS	.000000	.000000	.000000	.000000	0.000253	.000000
REACTNS	114.231507	.000000	3091.515	370981.837	-999826.580	-13707.781
CONSTRS	-0.084575	.000000	.000000	.000000	-1582.805	10.148943
TOTAL	8.898952	.000000	26.002205	3120.265	-11336.409	-1067.874

MODE 61 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	1661.795	.000000	821.957353	98634.882	-27998.507	-199415.426
SPRINGS	.000000	.000000	.000000	.000000	-0.000123	.000000
REACTNS	-1671.917	.000000	-835.819772	-100298.373	-20112.799	200630.007
CONSTRS	0.045743	.000000	.000000	.000000	49604.625	-5.489123
TOTAL	-10.075768	.000000	-13.862419	-1663.490	1493.319	1209.092

MODE 62 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	1684.859	.000000	-1516.012	-181921.472	3.3021E+06	-202183.127
SPRINGS	.000000	.000000	.000000	.000000	-0.033437	.000000
REACTNS	-1685.734	.000000	1494.530	179343.573	-3.2715E+06	202288.040
CONSTRS	0.019969	.000000	.000000	.000000	-25684.454	-2.396235
TOTAL	-0.854304	.000000	-21.482487	-2577.898	4892.719	102.516479

MODE 63 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-32612.939	.000000	2077.011	249241.372	-1.0346E+07	3.9136E+06
SPRINGS	.000000	.000000	.000000	.000000	0.032088	.000000
REACTNS	44269.275	.000000	-961.038310	-115324.597	1.6188E+07	-5.3123E+06
CONSTRS	58.128514	.000000	.000000	.000000	-90748.575	-6975.422
TOTAL	11714.464	.000000	1115.973	133916.775	5.7507E+06	-1.4057E+06

MODE 64 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	4.410151	.000000	-150541.300	-1.8065E+07	5.2785E+07	-529.218142
SPRINGS	.000000	.000000	.000000	.000000	-0.000672	.000000
REACTNS	612.712294	.000000	249629.511	2.9956E+07	-8.6457E+07	-73525.475
CONSTRS	60.035854	.000000	.000000	.000000	32966.283	-7204.302
TOTAL	677.158299	.000000	99088.212	1.1891E+07	-3.3639E+07	-81258.996

SPEC HORIZ ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	8770.806	.000000	224.971941	26996.633	5.0956E+06	1.0525E+06
SPRINGS	.000000	.000000	.000000	.000000	0.048732	.000000
REACTNS	8770.611	.000000	225.008726	27001.047	5.0691E+06	1.0525E+06
CONSTRS	0.031566	.000000	.000000	.000000	28704.852	3.787936
TOTAL	6.334911	.000000	0.763382	91.605798	3111.317	760.189339

COMBDEADLOAD ---------- MAX

	FX	FY	FZ	MX	MY	MZ
APPLIED	8.42E-15	6.12E-30	57805.232	6.9366E+06	2.0432E+07	1.01E-12
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	0.002875	.000000
REACTNS	5.90E-11	6.45E-31	57805.232	6.9366E+06	2.0431E+07	7.06E-09
CONSTRS	1.89E-12	.000000	.000000	.000000	609.981760	2.27E-10
TOTAL	5.75E-11	6.77E-30	4.29E-11	5.37E-09	3.01E-08	6.88E-09

COMBDEADLOAD ---------- MIN

	FX	FY	FZ	MX	MY	MZ
APPLIED	-8.42E-15	-6.12E-30	-57805.232	-6.9366E+06	-2.0432E+07	-1.01E-12
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	-0.002875	.000000
REACTNS	-5.90E-11	-6.45E-31	-57805.232	-6.9366E+06	-2.0431E+07	-7.06E-09
CONSTRS	-1.89E-12	.000000	.000000	.000000	-609.981760	-2.27E-10
TOTAL	-5.75E-11	-6.77E-30	-4.29E-11	-5.37E-09	-3.01E-08	-6.88E-09

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F R A M E E L E M E N T I N T E R N A L F O R C E S

ELEM 1 ========== LENGTH = 91.522023

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	87.433150	.000000	.000000	.000000	.000000	.000000
0.50000	87.433150	.000000	.000000	.000000	.000000	.000000
1.00000	87.433150	.000000	.000000	.000000	.000000	.000000

ELEM 2 ========== LENGTH = 35.588309

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	190.434459	.000000	.000000	.000000	.000000	.000000
0.50000	190.434459	.000000	.000000	.000000	.000000	.000000
1.00000	190.434459	.000000	.000000	.000000	.000000	.000000

ELEM 3 ========== LENGTH = 49.604034

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3

```
0.00000  232.884317     .000000     .000000     .000000     .000000     .000000
0.50000  232.884317     .000000     .000000     .000000     .000000     .000000
1.00000  232.884317     .000000     .000000     .000000     .000000     .000000

ELEM       4 ================== LENGTH =   94.625000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  184.930580     .000000     .000000     .000000     .000000     .000000
0.25000  184.930580     .000000     .000000     .000000     .000000     .000000
0.50000  184.930580     .000000     .000000     .000000     .000000     .000000
0.75000  184.930580     .000000     .000000     .000000     .000000     .000000
1.00000  184.930580     .000000     .000000     .000000     .000000     .000000

ELEM       5 ================== LENGTH =   49.604034

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  240.679660     .000000     .000000     .000000     .000000     .000000
0.50000  240.679660     .000000     .000000     .000000     .000000     .000000
1.00000  240.679660     .000000     .000000     .000000     .000000     .000000

ELEM       6 ================== LENGTH =   60.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    8.071599    0.780119    6.95E-17     .000000     .000000     .000000
0.25000    8.071599    0.780119    6.95E-17     .000000    1.04E-15   11.701788
0.50000    8.071599    0.780119    6.95E-17     .000000    2.08E-15   23.403577
0.75000    8.071599    0.780119    6.95E-17     .000000    3.13E-15   35.105365
1.00000    8.071599    0.780119    6.95E-17     .000000    4.17E-15   46.807153

ELEM       7 ================== LENGTH =    3.999990

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   34.331744   10.996706    1.09E-15     .000000    4.34E-15   43.986713
0.25000   34.331744   10.996706    1.09E-15     .000000    3.26E-15   32.990035
0.50000   34.331744   10.996706    1.09E-15     .000000    2.17E-15   21.993356
0.75000   34.331744   10.996706    1.09E-15     .000000    1.09E-15   10.996678
1.00000   34.331744   10.996706    1.09E-15     .000000    1.43E-28    2.30E-12

ELEM       8 ================== LENGTH =   49.604031

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  254.290929     .000000     .000000     .000000     .000000     .000000
0.50000  254.290929     .000000     .000000     .000000     .000000     .000000
1.00000  254.290929     .000000     .000000     .000000     .000000     .000000

ELEM       9 ================== LENGTH =   62.561990

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  116.724036     .000000     .000000     .000000     .000000     .000000
0.25000  116.724036     .000000     .000000     .000000     .000000     .000000
0.50000  116.724036     .000000     .000000     .000000     .000000     .000000
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0.75000  116.724036     .000000     .000000     .000000     .000000     .000000
1.00000  116.724036     .000000     .000000     .000000     .000000     .000000

ELEM      10 ================== LENGTH =   50.049590

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   33.208177     .000000     .000000     .000000     .000000     .000000
0.25000   33.208177     .000000     .000000     .000000     .000000     .000000
0.50000   33.208177     .000000     .000000     .000000     .000000     .000000
0.75000   33.208177     .000000     .000000     .000000     .000000     .000000
1.00000   33.208177     .000000     .000000     .000000     .000000     .000000

ELEM      11 ================== LENGTH =   49.604034

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  258.714449     .000000     .000000     .000000     .000000     .000000
0.50000  258.714449     .000000     .000000     .000000     .000000     .000000
1.00000  258.714449     .000000     .000000     .000000     .000000     .000000

ELEM      12 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   67.403761    1.717902    1.55E-16     .000000    6.37E-15   71.279736
0.25000   67.403761    1.717902    1.55E-16     .000000    5.62E-15   63.052232
0.50000   67.403761    1.717902    1.55E-16     .000000    4.94E-15   55.523442
0.75000   67.403761    1.717902    1.55E-16     .000000    4.35E-15   49.016393
1.00000   67.403761    1.717902    1.55E-16     .000000    3.90E-15   43.986891

ELEM      13 ================== LENGTH =   25.024800

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   26.412296     .000000     .000000     .000000     .000000     .000000
0.25000   26.412296     .000000     .000000     .000000     .000000     .000000
0.50000   26.412296     .000000     .000000     .000000     .000000     .000000
0.75000   26.412296     .000000     .000000     .000000     .000000     .000000
1.00000   26.412296     .000000     .000000     .000000     .000000     .000000

ELEM      14 ================== LENGTH =    4.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   26.196143    3.024298    2.99E-16     .000000    1.19E-15   12.097190
0.25000   26.196143    3.024298    2.99E-16     .000000    8.96E-16    9.072893
0.50000   26.196143    3.024298    2.99E-16     .000000    5.97E-16    6.048595
0.75000   26.196143    3.024298    2.99E-16     .000000    2.99E-16    3.024298
1.00000   26.196143    3.024298    2.99E-16     .000000     .000000     .000000

ELEM      15 ================== LENGTH =   49.604034

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  263.131896     .000000     .000000     .000000     .000000     .000000
0.50000  263.131896     .000000     .000000     .000000     .000000     .000000
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1.00000  263.131896     .000000     .000000     .000000     .000000     .000000

ELEM      16 ================== LENGTH =   17.539000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  334.057752   13.197570    5.01E-16     .000000     .000000     .000000
0.25000  334.057752   13.197570    5.01E-16     .000000    2.19E-15   57.868046
0.50000  334.057752   13.197570    5.01E-16     .000000    4.39E-15  115.736091
0.75000  334.057752   13.197570    5.01E-16     .000000    6.58E-15  173.604137
1.00000  334.057752   13.197570    5.01E-16     .000000    8.78E-15  231.472182

ELEM      17 ================== LENGTH =    8.512400

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   48.757723    1.421183    1.30E-16     .000000     .000000     .000000
0.25000   48.757723    1.421183    1.30E-16     .000000    2.78E-16    3.024419
0.50000   48.757723    1.421183    1.30E-16     .000000    5.55E-16    6.048839
0.75000   48.757723    1.421183    1.30E-16     .000000    8.33E-16    9.073258
1.00000   48.757723    1.421183    1.30E-16     .000000    1.11E-15   12.097678

ELEM      18 ================== LENGTH =    9.537200

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  123.849250    7.473870    6.82E-16     .000000     .000000     .000000
0.25000  123.849250    7.473870    6.82E-16     .000000    1.63E-15   17.819948
0.50000  123.849250    7.473870    6.82E-16     .000000    3.25E-15   35.639896
0.75000  123.849250    7.473870    6.82E-16     .000000    4.88E-15   53.459844
1.00000  123.849250    7.473870    6.82E-16     .000000    6.51E-15   71.279792

ELEM      19 ================== LENGTH =   15.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1531.830  188.407326     .000000     .000000     .000000    0.000579
0.50000    1531.830  188.407326     .000000     .000000     .000000    1483.707
1.00000    1531.830  188.407326     .000000     .000000     .000000    2967.415

ELEM      20 ================== LENGTH =   32.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1531.826   90.608077     .000000     .000000     .000000    2967.415
0.50000    1531.826   90.608077     .000000     .000000     .000000    1483.707
1.00000    1531.826   90.608077     .000000     .000000     .000000    0.000240

ELEM      21 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1528.279     .000000     .000000     .000000     .000000     .000000
0.50000    1528.279     .000000     .000000     .000000     .000000     .000000
1.00000    1528.279     .000000     .000000     .000000     .000000     .000000

ELEM      22 ================== LENGTH =   48.000000
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SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1544.766     .000000     .000000     .000000     .000000     .000000
0.50000    1544.766     .000000     .000000     .000000     .000000     .000000
1.00000    1544.766     .000000     .000000     .000000     .000000     .000000

ELEM      23 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1413.770     .000000     .000000     .000000     .000000     .000000
0.50000    1413.770     .000000     .000000     .000000     .000000     .000000
1.00000    1413.770     .000000     .000000     .000000     .000000     .000000

ELEM      24 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1405.153     .000000     .000000     .000000     .000000     .000000
0.50000    1405.153     .000000     .000000     .000000     .000000     .000000
1.00000    1405.153     .000000     .000000     .000000     .000000     .000000

ELEM      25 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1404.924     .000000     .000000     .000000     .000000     .000000
0.50000    1404.924     .000000     .000000     .000000     .000000     .000000
1.00000    1404.924     .000000     .000000     .000000     .000000     .000000

ELEM      26 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1392.731     .000000     .000000     .000000     .000000     .000000
0.50000    1392.731     .000000     .000000     .000000     .000000     .000000
1.00000    1392.731     .000000     .000000     .000000     .000000     .000000

ELEM      28 ================== LENGTH =   34.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  965.664622     .000000     .000000     .000000     .000000     .000000
0.50000  965.664622     .000000     .000000     .000000     .000000     .000000
1.00000  965.664622     .000000     .000000     .000000     .000000     .000000

ELEM      29 ================== LENGTH =   88.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   80.727593     .000000     .000000     .000000     .000000     .000000
0.50000   80.727593     .000000     .000000     .000000     .000000     .000000
1.00000   80.727593     .000000     .000000     .000000     .000000     .000000

ELEM      30 ================== LENGTH =   15.000000
```

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	84.919713	8.550176	7.69E-16	.000000	.000000	.000000
0.25000	84.919713	8.550176	7.69E-16	.000000	2.88E-15	32.063161
0.50000	84.919713	8.550176	7.69E-16	.000000	5.77E-15	64.126321
0.75000	84.919713	8.550176	7.69E-16	.000000	8.65E-15	96.189482
1.00000	84.919713	8.550176	7.69E-16	.000000	1.15E-14	128.252642

ELEM 31 ========== LENGTH = 6.461000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	202.525955	9.142922	4.41E-16	.000000	.000000	.000000
0.25000	202.525955	9.142922	4.41E-16	.000000	7.13E-16	14.768104
0.50000	202.525955	9.142922	4.41E-16	.000000	1.43E-15	29.536208
0.75000	202.525955	9.142922	4.41E-16	.000000	2.14E-15	44.304313
1.00000	202.525955	9.142922	4.41E-16	.000000	2.85E-15	59.072417

ELEM 32 ========== LENGTH = 15.487600

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	84.962329	17.451577	1.57E-15	.000000	.000000	.000000
0.25000	84.962329	17.451577	1.57E-15	.000000	6.07E-15	67.570759
0.50000	84.962329	17.451577	1.57E-15	.000000	1.21E-14	135.141519
0.75000	84.962329	17.451577	1.57E-15	.000000	1.82E-14	202.712278
1.00000	84.962329	17.451577	1.57E-15	.000000	2.43E-14	270.283037

ELEM 33 ========== LENGTH = 14.462800

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	169.196705	30.645724	2.76E-15	.000000	.000000	.000000
0.25000	169.196705	30.645724	2.76E-15	.000000	9.97E-15	110.805743
0.50000	169.196705	30.645724	2.76E-15	.000000	1.99E-14	221.611486
0.75000	169.196705	30.645724	2.76E-15	.000000	2.99E-14	332.417229
1.00000	169.196705	30.645724	2.76E-15	.000000	3.99E-14	443.222972

ELEM 34 ========== LENGTH = 36.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	265.206931	3.452423	3.08E-16	.000000	.000000	.000000
0.25000	265.206931	3.452423	3.08E-16	.000000	2.77E-15	31.071807
0.50000	265.206931	3.452423	3.08E-16	.000000	5.54E-15	62.143613
0.75000	265.206931	3.452423	3.08E-16	.000000	8.31E-15	93.215420
1.00000	265.206931	3.452423	3.08E-16	.000000	1.11E-14	124.287227

ELEM 35 ========== LENGTH = 39.905978

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	992.827965	.000000	.000000	.000000	.000000	.000000
0.50000	992.827965	.000000	.000000	.000000	.000000	.000000
1.00000	992.827965	.000000	.000000	.000000	.000000	.000000

```
ELEM      36 ================== LENGTH =   39.905935

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1904.176     .000000     .000000     .000000     .000000     .000000
0.50000    1904.176     .000000     .000000     .000000     .000000     .000000
1.00000    1904.176     .000000     .000000     .000000     .000000     .000000

ELEM      37 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   92.952743    4.807906    4.35E-16     .000000    1.13E-14  128.252298
0.25000   92.952743    4.807906    4.35E-16     .000000    1.38E-14  155.186905
0.50000   92.952743    4.807906    4.35E-16     .000000    1.63E-14  182.706453
0.75000   92.952743    4.807906    4.35E-16     .000000    1.88E-14  210.581740
1.00000   92.952743    4.807906    4.35E-16     .000000    2.13E-14  238.688163

ELEM      38 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  169.830370    4.460024    1.78E-16     .000000    1.96E-15   59.072456
0.25000  169.830370    4.460024    1.78E-16     .000000    2.87E-15   82.303876
0.50000  169.830370    4.460024    1.78E-16     .000000    3.86E-15  107.193804
0.75000  169.830370    4.460024    1.78E-16     .000000    4.89E-15  132.813049
1.00000  169.830370    4.460024    1.78E-16     .000000    5.93E-15  158.809040

ELEM      39 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  123.649539    6.579659    5.95E-16     .000000    2.40E-14  270.282539
0.25000  123.649539    6.579659    5.95E-16     .000000    2.66E-14  299.536044
0.50000  123.649539    6.579659    5.95E-16     .000000    2.94E-14  330.920004
0.75000  123.649539    6.579659    5.95E-16     .000000    3.24E-14  363.883601
1.00000  123.649539    6.579659    5.95E-16     .000000    3.55E-14  398.034568

ELEM      40 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  218.232778   12.053927    1.09E-15     .000000    3.92E-14  443.222127
0.25000  218.232778   12.053927    1.09E-15     .000000    4.55E-14  512.395964
0.50000  218.232778   12.053927    1.09E-15     .000000    5.18E-14  582.335634
0.75000  218.232778   12.053927    1.09E-15     .000000    5.82E-14  652.795031
1.00000  218.232778   12.053927    1.09E-15     .000000    6.46E-14  723.622353

ELEM      41 ================== LENGTH =   79.098436

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  139.152802     .000000     .000000     .000000     .000000     .000000
0.50000  139.152802     .000000     .000000     .000000     .000000     .000000
1.00000  139.152802     .000000     .000000     .000000     .000000     .000000

ELEM      42 ================== LENGTH =  120.400374
```

```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    7314.693     .000000     .000000     .000000     .000000     .000000
0.50000    7314.693     .000000     .000000     .000000     .000000     .000000
1.00000    7314.693     .000000     .000000     .000000     .000000     .000000

ELEM      43 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3.482065     .000000     .000000     .000000     .000000     .000000
0.25000    3.482065     .000000     .000000     .000000     .000000     .000000
0.50000    3.482065     .000000     .000000     .000000     .000000     .000000
0.75000    3.482065     .000000     .000000     .000000     .000000     .000000
1.00000    3.482065     .000000     .000000     .000000     .000000     .000000

ELEM      44 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   91.967458     .000000     .000000     .000000     .000000     .000000
0.50000   91.967458     .000000     .000000     .000000     .000000     .000000
1.00000   91.967458     .000000     .000000     .000000     .000000     .000000

ELEM      45 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   74.990329     .000000     .000000     .000000     .000000     .000000
0.25000   74.990329     .000000     .000000     .000000     .000000     .000000
0.50000   74.990329     .000000     .000000     .000000     .000000     .000000
0.75000   74.990329     .000000     .000000     .000000     .000000     .000000
1.00000   74.990329     .000000     .000000     .000000     .000000     .000000

ELEM      46 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   40.451901     .000000     .000000     .000000     .000000     .000000
0.50000   40.451901     .000000     .000000     .000000     .000000     .000000
1.00000   40.451901     .000000     .000000     .000000     .000000     .000000

ELEM      47 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   29.580427     .000000     .000000     .000000     .000000     .000000
0.25000   29.580427     .000000     .000000     .000000     .000000     .000000
0.50000   29.580427     .000000     .000000     .000000     .000000     .000000
0.75000   29.580427     .000000     .000000     .000000     .000000     .000000
1.00000   29.580427     .000000     .000000     .000000     .000000     .000000

ELEM      48 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	50.620058	.000000	.000000	.000000	.000000	.000000
0.50000	50.620058	.000000	.000000	.000000	.000000	.000000
1.00000	50.620058	.000000	.000000	.000000	.000000	.000000

ELEM 49 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	37.336960	.000000	.000000	.000000	.000000	.000000
0.25000	37.336960	.000000	.000000	.000000	.000000	.000000
0.50000	37.336960	.000000	.000000	.000000	.000000	.000000
0.75000	37.336960	.000000	.000000	.000000	.000000	.000000
1.00000	37.336960	.000000	.000000	.000000	.000000	.000000

ELEM 50 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1127.667	.000000	.000000	.000000	.000000	.000000
0.25000	1127.667	.000000	.000000	.000000	.000000	.000000
0.50000	1127.667	.000000	.000000	.000000	.000000	.000000
0.75000	1127.667	.000000	.000000	.000000	.000000	.000000
1.00000	1127.667	.000000	.000000	.000000	.000000	.000000

ELEM 51 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	482.773705	.000000	.000000	.000000	.000000	.000000
0.25000	482.773705	.000000	.000000	.000000	.000000	.000000
0.50000	482.773705	.000000	.000000	.000000	.000000	.000000
0.75000	482.773705	.000000	.000000	.000000	.000000	.000000
1.00000	482.773705	.000000	.000000	.000000	.000000	.000000

ELEM 52 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	253.579092	2.196949	1.99E-16	.000000	1.11E-14	124.287196
0.25000	253.579092	2.196949	1.99E-16	.000000	1.00E-14	112.164275
0.50000	253.579092	2.196949	1.99E-16	.000000	8.93E-15	100.308803
0.75000	253.579092	2.196949	1.99E-16	.000000	7.89E-15	88.827931
1.00000	253.579092	2.196949	1.99E-16	.000000	6.90E-15	77.887488

ELEM 53 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	108.371436	6.311676	5.71E-16	.000000	2.13E-14	238.688087
0.25000	108.371436	6.311676	5.71E-16	.000000	1.83E-14	204.607375
0.50000	108.371436	6.311676	5.71E-16	.000000	1.53E-14	172.118086
0.75000	108.371436	6.311676	5.71E-16	.000000	1.26E-14	142.314354
1.00000	108.371436	6.311676	5.71E-16	.000000	1.04E-14	117.262091

ELEM 54 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	141.309598	1.908130	7.63E-17	.000000	5.79E-15	158.808888
0.25000	141.309598	1.908130	7.63E-17	.000000	5.47E-15	150.991060
0.50000	141.309598	1.908130	7.63E-17	.000000	5.18E-15	143.661012
0.75000	141.309598	1.908130	7.63E-17	.000000	4.91E-15	136.897121
1.00000	141.309598	1.908130	7.63E-17	.000000	4.67E-15	130.787257

ELEM 55 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	157.333883	10.123404	9.16E-16	.000000	3.56E-14	398.034552
0.25000	157.333883	10.123404	9.16E-16	.000000	3.02E-14	338.606254
0.50000	157.333883	10.123404	9.16E-16	.000000	2.49E-14	279.742175
0.75000	157.333883	10.123404	9.16E-16	.000000	1.97E-14	221.891801
1.00000	157.333883	10.123404	9.16E-16	.000000	1.46E-14	166.117599

ELEM 56 ========== LENGTH = 39.905978

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1906.320	.000000	.000000	.000000	.000000	.000000
0.50000	1906.320	.000000	.000000	.000000	.000000	.000000
1.00000	1906.320	.000000	.000000	.000000	.000000	.000000

ELEM 57 ========== LENGTH = 39.905935

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	990.795563	.000000	.000000	.000000	.000000	.000000
0.50000	990.795563	.000000	.000000	.000000	.000000	.000000
1.00000	990.795563	.000000	.000000	.000000	.000000	.000000

ELEM 58 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	267.038438	18.083935	1.64E-15	.000000	6.47E-14	723.622395
0.25000	267.038438	18.083935	1.64E-15	.000000	5.50E-14	615.873703
0.50000	267.038438	18.083935	1.64E-15	.000000	4.52E-14	508.446194
0.75000	267.038438	18.083935	1.64E-15	.000000	3.56E-14	401.597701
1.00000	267.038438	18.083935	1.64E-15	.000000	2.60E-14	295.956013

ELEM 59 ========== LENGTH = 12.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	233.858112	6.490633	5.87E-16	.000000	7.05E-15	77.887599
0.25000	233.858112	6.490633	5.87E-16	.000000	5.28E-15	58.415700
0.50000	233.858112	6.490633	5.87E-16	.000000	3.52E-15	38.943800
0.75000	233.858112	6.490633	5.87E-16	.000000	1.76E-15	19.471900
1.00000	233.858112	6.490633	5.87E-16	.000000	5.43E-29	1.33E-13

ELEM 60 ========== LENGTH = 9.000000

SPEC HORIZ ----------

```
REL DIST          P          V2          V3           T          M2          M3
0.00000  122.878507   13.029137    1.19E-15     .000000    1.07E-14  117.262232
0.25000  122.878507   13.029137    1.19E-15     .000000    8.05E-15   87.946674
0.50000  122.878507   13.029137    1.19E-15     .000000    5.37E-15   58.631116
0.75000  122.878507   13.029137    1.19E-15     .000000    2.68E-15   29.315558
1.00000  122.878507   13.029137    1.19E-15     .000000    4.73E-29    1.41E-12

ELEM      61 ================== LENGTH =   17.539000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  113.134129    7.456926    2.83E-16     .000000    4.96E-15  130.787021
0.25000  113.134129    7.456926    2.83E-16     .000000    3.72E-15   98.090265
0.50000  113.134129    7.456926    2.83E-16     .000000    2.48E-15   65.393510
0.75000  113.134129    7.456926    2.83E-16     .000000    1.24E-15   32.696755
1.00000  113.134129    7.456926    2.83E-16     .000000    5.74E-29    7.72E-12

ELEM      62 ================== LENGTH =    8.512400

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  190.464007   19.514820    1.79E-15     .000000    1.53E-14  166.117957
0.25000  190.464007   19.514820    1.79E-15     .000000    1.14E-14  124.588467
0.50000  190.464007   19.514820    1.79E-15     .000000    7.63E-15   83.058978
0.75000  190.464007   19.514820    1.79E-15     .000000    3.81E-15   41.529489
1.00000  190.464007   19.514820    1.79E-15     .000000    8.99E-29    2.24E-13

ELEM      63 ================== LENGTH =    9.537200

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  308.102332   31.031832    2.83E-15     .000000    2.70E-14  295.956793
0.25000  308.102332   31.031832    2.83E-15     .000000    2.03E-14  221.967595
0.50000  308.102332   31.031832    2.83E-15     .000000    1.35E-14  147.978396
0.75000  308.102332   31.031832    2.83E-15     .000000    6.75E-15   73.989198
1.00000  308.102332   31.031832    2.83E-15     .000000    1.77E-28    4.46E-13

ELEM      64 ================== LENGTH =   50.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1586.825     .000000     .000000     .000000     .000000     .000000
0.50000    1586.825     .000000     .000000     .000000     .000000     .000000
1.00000    1586.825     .000000     .000000     .000000     .000000     .000000

ELEM      65 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1586.747     .000000     .000000     .000000     .000000     .000000
0.50000    1586.747     .000000     .000000     .000000     .000000     .000000
1.00000    1586.747     .000000     .000000     .000000     .000000     .000000

ELEM      66 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000    1586.597     .000000     .000000     .000000     .000000     .000000
0.50000    1586.597     .000000     .000000     .000000     .000000     .000000
1.00000    1586.597     .000000     .000000     .000000     .000000     .000000

ELEM      67 ================== LENGTH =   15.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1586.421     .000000     .000000     .000000     .000000     .000000
0.50000    1586.421     .000000     .000000     .000000     .000000     .000000
1.00000    1586.421     .000000     .000000     .000000     .000000     .000000

ELEM      68 ================== LENGTH =   32.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1579.798     .000000     .000000     .000000     .000000     .000000
0.50000    1579.798     .000000     .000000     .000000     .000000     .000000
1.00000    1579.798     .000000     .000000     .000000     .000000     .000000

ELEM      69 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1579.547     .000000     .000000     .000000     .000000     .000000
0.50000    1579.547     .000000     .000000     .000000     .000000     .000000
1.00000    1579.547     .000000     .000000     .000000     .000000     .000000

ELEM      70 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1459.349     .000000     .000000     .000000     .000000     .000000
0.50000    1459.349     .000000     .000000     .000000     .000000     .000000
1.00000    1459.349     .000000     .000000     .000000     .000000     .000000

ELEM      71 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1469.109     .000000     .000000     .000000     .000000     .000000
0.50000    1469.109     .000000     .000000     .000000     .000000     .000000
1.00000    1469.109     .000000     .000000     .000000     .000000     .000000

ELEM      72 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1459.642     .000000     .000000     .000000     .000000     .000000
0.50000    1459.642     .000000     .000000     .000000     .000000     .000000
1.00000    1459.642     .000000     .000000     .000000     .000000     .000000

ELEM      73 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000    1454.035     .000000     .000000     .000000     .000000     .000000
0.50000    1454.035     .000000     .000000     .000000     .000000     .000000
1.00000    1454.035     .000000     .000000     .000000     .000000     .000000

ELEM      74 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1443.075     .000000     .000000     .000000     .000000     .000000
0.50000    1443.075     .000000     .000000     .000000     .000000     .000000
1.00000    1443.075     .000000     .000000     .000000     .000000     .000000

ELEM      76 ================== LENGTH =   34.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  659.959965     .000000     .000000     .000000     .000000     .000000
0.50000  659.959965     .000000     .000000     .000000     .000000     .000000
1.00000  659.959965     .000000     .000000     .000000     .000000     .000000

ELEM      77 ================== LENGTH =   88.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   96.872317     .000000     .000000     .000000     .000000     .000000
0.50000   96.872317     .000000     .000000     .000000     .000000     .000000
1.00000   96.872317     .000000     .000000     .000000     .000000     .000000

ELEM      78 ================== LENGTH =   12.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  104.734859    6.107228    5.53E-16     .000000     .000000     .000000
0.25000  104.734859    6.107228    5.53E-16     .000000    1.66E-15   18.321683
0.50000  104.734859    6.107228    5.53E-16     .000000    3.32E-15   36.643365
0.75000  104.734859    6.107228    5.53E-16     .000000    4.97E-15   54.965048
1.00000  104.734859    6.107228    5.53E-16     .000000    6.63E-15   73.286731

ELEM      79 ================== LENGTH =   15.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   74.295218   11.615601    1.04E-15     .000000     .000000     .000000
0.25000   74.295218   11.615601    1.04E-15     .000000    3.92E-15   43.558502
0.50000   74.295218   11.615601    1.04E-15     .000000    7.84E-15   87.117005
0.75000   74.295218   11.615601    1.04E-15     .000000    1.18E-14  130.675507
1.00000   74.295218   11.615601    1.04E-15     .000000    1.57E-14  174.234010

ELEM      80 ================== LENGTH =   15.487600

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  192.430313   13.751951    1.24E-15     .000000     .000000     .000000
0.25000  192.430313   13.751951    1.24E-15     .000000    4.79E-15   53.246181
0.50000  192.430313   13.751951    1.24E-15     .000000    9.57E-15  106.492362
0.75000  192.430313   13.751951    1.24E-15     .000000    1.44E-14  159.738543
1.00000  192.430313   13.751951    1.24E-15     .000000    1.91E-14  212.984724
```

ELEM 81 ========== LENGTH = 14.462800

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	310.535342	13.279809	1.20E-15	.000000	.000000	.000000
0.25000	310.535342	13.279809	1.20E-15	.000000	4.32E-15	48.015806
0.50000	310.535342	13.279809	1.20E-15	.000000	8.64E-15	96.031612
0.75000	310.535342	13.279809	1.20E-15	.000000	1.30E-14	144.047418
1.00000	310.535342	13.279809	1.20E-15	.000000	1.73E-14	192.063224

ELEM 82 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	87.142202	3.201174	2.90E-16	.000000	6.47E-15	73.286589
0.25000	87.142202	3.201174	2.90E-16	.000000	8.01E-15	90.290074
0.50000	87.142202	3.201174	2.90E-16	.000000	9.61E-15	108.034680
0.75000	87.142202	3.201174	2.90E-16	.000000	1.13E-14	126.208192
1.00000	87.142202	3.201174	2.90E-16	.000000	1.29E-14	144.649039

ELEM 83 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	57.274499	4.901575	4.43E-16	.000000	1.54E-14	174.233739
0.25000	57.274499	4.901575	4.43E-16	.000000	1.73E-14	194.902649
0.50000	57.274499	4.901575	4.43E-16	.000000	1.94E-14	217.592556
0.75000	57.274499	4.901575	4.43E-16	.000000	2.15E-14	241.735040
1.00000	57.274499	4.901575	4.43E-16	.000000	2.38E-14	266.936266

ELEM 84 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	220.488554	4.949618	4.48E-16	.000000	1.89E-14	212.984440
0.25000	220.488554	4.949618	4.48E-16	.000000	2.11E-14	238.057016
0.50000	220.488554	4.949618	4.48E-16	.000000	2.35E-14	264.090555
0.75000	220.488554	4.949618	4.48E-16	.000000	2.59E-14	290.827109
1.00000	220.488554	4.949618	4.48E-16	.000000	2.84E-14	318.089454

ELEM 85 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	5.724888	.000000	.000000	.000000	.000000	.000000
0.25000	5.724888	.000000	.000000	.000000	.000000	.000000
0.50000	5.724888	.000000	.000000	.000000	.000000	.000000
0.75000	5.724888	.000000	.000000	.000000	.000000	.000000
1.00000	5.724888	.000000	.000000	.000000	.000000	.000000

ELEM 86 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	6.095337	.000000	.000000	.000000	.000000	.000000
0.25000	6.095337	.000000	.000000	.000000	.000000	.000000

```
0.50000    6.095337     .000000     .000000     .000000     .000000     .000000
0.75000    6.095337     .000000     .000000     .000000     .000000     .000000
1.00000    6.095337     .000000     .000000     .000000     .000000     .000000

ELEM      87 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3.807547     .000000     .000000     .000000     .000000     .000000
0.25000    3.807547     .000000     .000000     .000000     .000000     .000000
0.50000    3.807547     .000000     .000000     .000000     .000000     .000000
0.75000    3.807547     .000000     .000000     .000000     .000000     .000000
1.00000    3.807547     .000000     .000000     .000000     .000000     .000000

ELEM      88 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    7215.029     .000000     .000000     .000000     .000000     .000000
0.50000    7215.029     .000000     .000000     .000000     .000000     .000000
1.00000    7215.029     .000000     .000000     .000000     .000000     .000000

ELEM      90 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  740.674021     .000000     .000000     .000000     .000000     .000000
0.25000  740.674021     .000000     .000000     .000000     .000000     .000000
0.50000  740.674021     .000000     .000000     .000000     .000000     .000000
0.75000  740.674021     .000000     .000000     .000000     .000000     .000000
1.00000  740.674021     .000000     .000000     .000000     .000000     .000000

ELEM      91 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   69.252489    3.140948    2.84E-16     .000000    1.29E-14  144.649036
0.25000   69.252489    3.140948    2.84E-16     .000000    1.12E-14  126.039599
0.50000   69.252489    3.140948    2.84E-16     .000000    9.57E-15  107.512497
0.75000   69.252489    3.140948    2.84E-16     .000000    7.90E-15   89.119098
1.00000   69.252489    3.140948    2.84E-16     .000000    6.26E-15   70.963441

ELEM      92 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2914.337    3.885424    3.47E-16     .000000     .000000     .000000
0.25000    2914.337    3.885424    3.47E-16     .000000    2.08E-15   23.312544
0.50000    2914.337    3.885424    3.47E-16     .000000    4.17E-15   46.625088
0.75000    2914.337    3.885424    3.47E-16     .000000    6.25E-15   69.937632
1.00000    2914.337    3.885424    3.47E-16     .000000    8.33E-15   93.250176

ELEM      93 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   43.529230    6.557318    5.93E-16     .000000    2.39E-14  266.936267
```

```
0.25000   43.529230    6.557318    5.93E-16     .000000    2.04E-14  228.874304
0.50000   43.529230    6.557318    5.93E-16     .000000    1.70E-14  191.331676
0.75000   43.529230    6.557318    5.93E-16     .000000    1.37E-14  154.686975
1.00000   43.529230    6.557318    5.93E-16     .000000    1.06E-14  119.767260

ELEM      94 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  248.285579    9.140360    8.27E-16     .000000    2.85E-14  318.089507
0.25000  248.285579    9.140360    8.27E-16     .000000    2.35E-14  263.451867
0.50000  248.285579    9.140360    8.27E-16     .000000    1.86E-14  208.921427
0.75000  248.285579    9.140360    8.27E-16     .000000    1.37E-14  154.611656
1.00000  248.285579    9.140360    8.27E-16     .000000    8.82E-15  100.879584

ELEM      95 ================== LENGTH =   12.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   54.210745    5.913632    5.35E-16     .000000    6.42E-15   70.963579
0.25000   54.210745    5.913632    5.35E-16     .000000    4.82E-15   53.222684
0.50000   54.210745    5.913632    5.35E-16     .000000    3.21E-15   35.481789
0.75000   54.210745    5.913632    5.35E-16     .000000    1.61E-15   17.740895
1.00000   54.210745    5.913632    5.35E-16     .000000    2.12E-29    3.38E-13

ELEM      96 ================== LENGTH =    9.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   32.065893   13.307498    1.22E-15     .000000    1.10E-14  119.767483
0.25000   32.065893   13.307498    1.22E-15     .000000    8.22E-15   89.825612
0.50000   32.065893   13.307498    1.22E-15     .000000    5.48E-15   59.883741
0.75000   32.065893   13.307498    1.22E-15     .000000    2.74E-15   29.941871
1.00000   32.065893   13.307498    1.22E-15     .000000    7.39E-29    1.16E-12

ELEM      97 ================== LENGTH =    8.512400

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  257.608817   11.850935    1.09E-15     .000000    9.26E-15  100.879903
0.25000  257.608817   11.850935    1.09E-15     .000000    6.95E-15   75.659927
0.50000  257.608817   11.850935    1.09E-15     .000000    4.63E-15   50.439951
0.75000  257.608817   11.850935    1.09E-15     .000000    2.32E-15   25.219976
1.00000  257.608817   11.850935    1.09E-15     .000000    3.59E-29    1.24E-12

ELEM      98 ================== LENGTH =   50.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1739.499   18.687388     .000000     .000000     .000000    0.002782
0.50000    1739.499   18.687388     .000000     .000000     .000000  471.853805
1.00000    1739.499   18.687388     .000000     .000000     .000000  943.710347

ELEM      99 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000    1739.375    8.003326     .000000     .000000     .000000  943.708971
0.50000    1739.375    8.003326     .000000     .000000     .000000  877.537652
1.00000    1739.375    8.003326     .000000     .000000     .000000  850.498295

ELEM     100 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1739.204   12.005528     .000000     .000000     .000000  850.499185
0.50000    1739.204   12.005528     .000000     .000000     .000000  582.481028
1.00000    1739.204   12.005528     .000000     .000000     .000000  348.224517

ELEM     101 ================== LENGTH =   15.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1738.902   22.109763     .000000     .000000     .000000  348.226567
0.50000    1738.902   22.109763     .000000     .000000     .000000  174.112180
1.00000    1738.902   22.109763     .000000     .000000     .000000    0.002608

ELEM     102 ================== LENGTH =   80.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1735.802     .000000     .000000     .000000     .000000     .000000
0.50000    1735.802     .000000     .000000     .000000     .000000     .000000
1.00000    1735.802     .000000     .000000     .000000     .000000     .000000

ELEM     103 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1728.419     .000000     .000000     .000000     .000000     .000000
0.50000    1728.419     .000000     .000000     .000000     .000000     .000000
1.00000    1728.419     .000000     .000000     .000000     .000000     .000000

ELEM     104 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1697.216     .000000     .000000     .000000     .000000     .000000
0.50000    1697.216     .000000     .000000     .000000     .000000     .000000
1.00000    1697.216     .000000     .000000     .000000     .000000     .000000

ELEM     106 ================== LENGTH =  110.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1684.138     .000000     .000000     .000000     .000000     .000000
0.50000    1684.138     .000000     .000000     .000000     .000000     .000000
1.00000    1684.138     .000000     .000000     .000000     .000000     .000000

ELEM     107 ================== LENGTH =   13.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
```

0.00000	1.717477	.000000	.000000	.000000	.000000	.000000
0.50000	1.717477	.000000	.000000	.000000	.000000	.000000
1.00000	1.717477	.000000	.000000	.000000	.000000	.000000

ELEM 108 ========== LENGTH = 12.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	36.584754	4.839147	4.38E-16	.000000	.000000	.000000
0.25000	36.584754	4.839147	4.38E-16	.000000	1.31E-15	14.517440
0.50000	36.584754	4.839147	4.38E-16	.000000	2.63E-15	29.034881
0.75000	36.584754	4.839147	4.38E-16	.000000	3.94E-15	43.552321
1.00000	36.584754	4.839147	4.38E-16	.000000	5.25E-15	58.069762

ELEM 109 ========== LENGTH = 12.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	16.818695	3.874033	3.50E-16	.000000	.000000	.000000
0.25000	16.818695	3.874033	3.50E-16	.000000	1.05E-15	11.622098
0.50000	16.818695	3.874033	3.50E-16	.000000	2.10E-15	23.244195
0.75000	16.818695	3.874033	3.50E-16	.000000	3.15E-15	34.866293
1.00000	16.818695	3.874033	3.50E-16	.000000	4.21E-15	46.488391

ELEM 110 ========== LENGTH = 26.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	30.841460	7.123010	6.36E-16	.000000	.000000	.000000
0.25000	30.841460	7.123010	6.36E-16	.000000	4.13E-15	46.299563
0.50000	30.841460	7.123010	6.36E-16	.000000	8.27E-15	92.599126
0.75000	30.841460	7.123010	6.36E-16	.000000	1.24E-14	138.898689
1.00000	30.841460	7.123010	6.36E-16	.000000	1.65E-14	185.198252

ELEM 111 ========== LENGTH = 30.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	20.530589	1.653958	1.49E-16	.000000	5.14E-15	58.069581
0.25000	20.530589	1.653958	1.49E-16	.000000	6.20E-15	69.759098
0.50000	20.530589	1.653958	1.49E-16	.000000	7.27E-15	81.659901
0.75000	20.530589	1.653958	1.49E-16	.000000	8.35E-15	93.691514
1.00000	20.530589	1.653958	1.49E-16	.000000	9.44E-15	105.809321

ELEM 112 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	9.657212	.000000	.000000	.000000	.000000	.000000
0.25000	9.657212	.000000	.000000	.000000	.000000	.000000
0.50000	9.657212	.000000	.000000	.000000	.000000	.000000
0.75000	9.657212	.000000	.000000	.000000	.000000	.000000
1.00000	9.657212	.000000	.000000	.000000	.000000	.000000

ELEM 113 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	7.127319	.000000	.000000	.000000	.000000	.000000
0.25000	7.127319	.000000	.000000	.000000	.000000	.000000
0.50000	7.127319	.000000	.000000	.000000	.000000	.000000
0.75000	7.127319	.000000	.000000	.000000	.000000	.000000
1.00000	7.127319	.000000	.000000	.000000	.000000	.000000

ELEM 114 ========== LENGTH = 120.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	7089.377	.000000	.000000	.000000	.000000	.000000
0.50000	7089.377	.000000	.000000	.000000	.000000	.000000
1.00000	7089.377	.000000	.000000	.000000	.000000	.000000

ELEM 115 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	383.777392	.000000	.000000	.000000	.000000	.000000
0.25000	383.777392	.000000	.000000	.000000	.000000	.000000
0.50000	383.777392	.000000	.000000	.000000	.000000	.000000
0.75000	383.777392	.000000	.000000	.000000	.000000	.000000
1.00000	383.777392	.000000	.000000	.000000	.000000	.000000

ELEM 116 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	2999.690	.000000	.000000	.000000	.000000	.000000
0.25000	2999.690	.000000	.000000	.000000	.000000	.000000
0.50000	2999.690	.000000	.000000	.000000	.000000	.000000
0.75000	2999.690	.000000	.000000	.000000	.000000	.000000
1.00000	2999.690	.000000	.000000	.000000	.000000	.000000

ELEM 117 ========== LENGTH = 131.468627

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	2010.495	.000000	.000000	.000000	.000000	.000000
0.50000	2010.495	.000000	.000000	.000000	.000000	.000000
1.00000	2010.495	.000000	.000000	.000000	.000000	.000000

ELEM 118 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	353.685742	.000000	.000000	.000000	.000000	.000000
0.25000	353.685742	.000000	.000000	.000000	.000000	.000000
0.50000	353.685742	.000000	.000000	.000000	.000000	.000000
0.75000	353.685742	.000000	.000000	.000000	.000000	.000000
1.00000	353.685742	.000000	.000000	.000000	.000000	.000000

ELEM 119 ========== LENGTH = 60.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3

0.00000	8.755261	0.774804	6.90E-17	.000000	4.14E-15	46.488232
0.25000	8.755261	0.774804	6.90E-17	.000000	3.10E-15	34.866174
0.50000	8.755261	0.774804	6.90E-17	.000000	2.07E-15	23.244116
0.75000	8.755261	0.774804	6.90E-17	.000000	1.03E-15	11.622058
1.00000	8.755261	0.774804	6.90E-17	.000000	5.72E-30	1.70E-13

ELEM 120 ========== LENGTH = 46.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	26.449995	4.026046	3.59E-16	.000000	1.65E-14	185.198102
0.25000	26.449995	4.026046	3.59E-16	.000000	1.24E-14	138.898577
0.50000	26.449995	4.026046	3.59E-16	.000000	8.25E-15	92.599051
0.75000	26.449995	4.026046	3.59E-16	.000000	4.12E-15	46.299526
1.00000	26.449995	4.026046	3.59E-16	.000000	1.67E-29	2.57E-13

ELEM 121 ========== LENGTH = 30.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	4.212826	3.526976	3.15E-16	.000000	9.44E-15	105.809294
0.25000	4.212826	3.526976	3.15E-16	.000000	7.08E-15	79.356970
0.50000	4.212826	3.526976	3.15E-16	.000000	4.72E-15	52.904647
0.75000	4.212826	3.526976	3.15E-16	.000000	2.36E-15	26.452323
1.00000	4.212826	3.526976	3.15E-16	.000000	2.77E-29	1.79E-13

ELEM 122 ========== LENGTH = 50.500000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	4125.783	.000000	.000000	.000000	.000000	.000000
0.50000	4125.783	.000000	.000000	.000000	.000000	.000000
1.00000	4125.783	.000000	.000000	.000000	.000000	.000000

ELEM 123 ========== LENGTH = 96.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	4125.600	.000000	.000000	.000000	.000000	.000000
0.50000	4125.600	.000000	.000000	.000000	.000000	.000000
1.00000	4125.600	.000000	.000000	.000000	.000000	.000000

ELEM 124 ========== LENGTH = 15.750000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	4125.136	.000000	.000000	.000000	.000000	.000000
0.50000	4125.136	.000000	.000000	.000000	.000000	.000000
1.00000	4125.136	.000000	.000000	.000000	.000000	.000000

ELEM 125 ========== LENGTH = 80.750000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	4123.802	.000000	.000000	.000000	.000000	.000000
0.50000	4123.802	.000000	.000000	.000000	.000000	.000000
1.00000	4123.802	.000000	.000000	.000000	.000000	.000000

```
ELEM     126 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4122.053     .000000     .000000     .000000     .000000     .000000
0.50000    4122.053     .000000     .000000     .000000     .000000     .000000
1.00000    4122.053     .000000     .000000     .000000     .000000     .000000

ELEM     127 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4120.423     .000000     .000000     .000000     .000000     .000000
0.50000    4120.423     .000000     .000000     .000000     .000000     .000000
1.00000    4120.423     .000000     .000000     .000000     .000000     .000000

ELEM     129 ================== LENGTH =  123.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  106.044594     .000000     .000000     .000000     .000000     .000000
0.50000  106.044594     .000000     .000000     .000000     .000000     .000000
1.00000  106.044594     .000000     .000000     .000000     .000000     .000000

ELEM     130 ================== LENGTH =   60.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    6979.001     .000000     .000000     .000000     .000000     .000000
0.50000    6979.001     .000000     .000000     .000000     .000000     .000000
1.00000    6979.001     .000000     .000000     .000000     .000000     .000000

ELEM     131 ================== LENGTH =   60.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    6964.952     .000000     .000000     .000000     .000000     .000000
0.50000    6964.952     .000000     .000000     .000000     .000000     .000000
1.00000    6964.952     .000000     .000000     .000000     .000000     .000000

ELEM     132 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    0.015204     .000000     .000000     .000000     .000000     .000000
0.25000    0.015204     .000000     .000000     .000000     .000000     .000000
0.50000    0.015204     .000000     .000000     .000000     .000000     .000000
0.75000    0.015204     .000000     .000000     .000000     .000000     .000000
1.00000    0.015204     .000000     .000000     .000000     .000000     .000000

ELEM     133 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    0.030203     .000000     .000000     .000000     .000000     .000000
```

```
0.25000    0.030203     .000000     .000000     .000000     .000000     .000000
0.50000    0.030203     .000000     .000000     .000000     .000000     .000000
0.75000    0.030203     .000000     .000000     .000000     .000000     .000000
1.00000    0.030203     .000000     .000000     .000000     .000000     .000000

ELEM     134 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    0.625354     .000000     .000000     .000000     .000000     .000000
0.25000    0.625354     .000000     .000000     .000000     .000000     .000000
0.50000    0.625354     .000000     .000000     .000000     .000000     .000000
0.75000    0.625354     .000000     .000000     .000000     .000000     .000000
1.00000    0.625354     .000000     .000000     .000000     .000000     .000000

ELEM     135 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   25.973897     .000000     .000000     .000000     .000000     .000000
0.25000   25.973897     .000000     .000000     .000000     .000000     .000000
0.50000   25.973897     .000000     .000000     .000000     .000000     .000000
0.75000   25.973897     .000000     .000000     .000000     .000000     .000000
1.00000   25.973897     .000000     .000000     .000000     .000000     .000000

ELEM     136 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    6.816534     .000000     .000000     .000000     .000000     .000000
0.25000    6.816534     .000000     .000000     .000000     .000000     .000000
0.50000    6.816534     .000000     .000000     .000000     .000000     .000000
0.75000    6.816534     .000000     .000000     .000000     .000000     .000000
1.00000    6.816534     .000000     .000000     .000000     .000000     .000000

ELEM     137 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    6.902422     .000000     .000000     .000000     .000000     .000000
0.25000    6.902422     .000000     .000000     .000000     .000000     .000000
0.50000    6.902422     .000000     .000000     .000000     .000000     .000000
0.75000    6.902422     .000000     .000000     .000000     .000000     .000000
1.00000    6.902422     .000000     .000000     .000000     .000000     .000000

ELEM     138 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   75.268292     .000000     .000000     .000000     .000000     .000000
0.25000   75.268292     .000000     .000000     .000000     .000000     .000000
0.50000   75.268292     .000000     .000000     .000000     .000000     .000000
0.75000   75.268292     .000000     .000000     .000000     .000000     .000000
1.00000   75.268292     .000000     .000000     .000000     .000000     .000000

ELEM     139 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------
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```
REL DIST          P          V2          V3           T          M2          M3
0.00000  141.213695     .000000     .000000     .000000     .000000     .000000
0.25000  141.213695     .000000     .000000     .000000     .000000     .000000
0.50000  141.213695     .000000     .000000     .000000     .000000     .000000
0.75000  141.213695     .000000     .000000     .000000     .000000     .000000
1.00000  141.213695     .000000     .000000     .000000     .000000     .000000

ELEM     140 ================== LENGTH =   60.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    6967.150     .000000     .000000     .000000     .000000     .000000
0.50000    6967.150     .000000     .000000     .000000     .000000     .000000
1.00000    6967.150     .000000     .000000     .000000     .000000     .000000

ELEM     141 ================== LENGTH =   60.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    6976.798     .000000     .000000     .000000     .000000     .000000
0.50000    6976.798     .000000     .000000     .000000     .000000     .000000
1.00000    6976.798     .000000     .000000     .000000     .000000     .000000

ELEM     142 ================== LENGTH =   50.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4132.148     .000000     .000000     .000000     .000000     .000000
0.50000    4132.148     .000000     .000000     .000000     .000000     .000000
1.00000    4132.148     .000000     .000000     .000000     .000000     .000000

ELEM     143 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4131.963     .000000     .000000     .000000     .000000     .000000
0.50000    4131.963     .000000     .000000     .000000     .000000     .000000
1.00000    4131.963     .000000     .000000     .000000     .000000     .000000

ELEM     144 ================== LENGTH =   15.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4131.497     .000000     .000000     .000000     .000000     .000000
0.50000    4131.497     .000000     .000000     .000000     .000000     .000000
1.00000    4131.497     .000000     .000000     .000000     .000000     .000000

ELEM     145 ================== LENGTH =   80.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4130.119     .000000     .000000     .000000     .000000     .000000
0.50000    4130.119     .000000     .000000     .000000     .000000     .000000
1.00000    4130.119     .000000     .000000     .000000     .000000     .000000

ELEM     146 ================== LENGTH =   96.000000
```

```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4128.338     .000000     .000000     .000000     .000000     .000000
0.50000    4128.338     .000000     .000000     .000000     .000000     .000000
1.00000    4128.338     .000000     .000000     .000000     .000000     .000000

ELEM     147 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4126.700     .000000     .000000     .000000     .000000     .000000
0.50000    4126.700     .000000     .000000     .000000     .000000     .000000
1.00000    4126.700     .000000     .000000     .000000     .000000     .000000

ELEM     149 ================== LENGTH =  123.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  107.496137     .000000     .000000     .000000     .000000     .000000
0.50000  107.496137     .000000     .000000     .000000     .000000     .000000
1.00000  107.496137     .000000     .000000     .000000     .000000     .000000

ELEM     150 ================== LENGTH =   30.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4.046626    3.544514    3.16E-16     .000000     .000000     .000000
0.25000    4.046626    3.544514    3.16E-16     .000000    2.37E-15   26.583853
0.50000    4.046626    3.544514    3.16E-16     .000000    4.74E-15   53.167707
0.75000    4.046626    3.544514    3.16E-16     .000000    7.12E-15   79.751560
1.00000    4.046626    3.544514    3.16E-16     .000000    9.49E-15  106.335414

ELEM     151 ================== LENGTH =   46.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   25.798241    4.003513    3.57E-16     .000000     .000000     .000000
0.25000   25.798241    4.003513    3.57E-16     .000000    4.10E-15   46.040403
0.50000   25.798241    4.003513    3.57E-16     .000000    8.20E-15   92.080806
0.75000   25.798241    4.003513    3.57E-16     .000000    1.23E-14  138.121209
1.00000   25.798241    4.003513    3.57E-16     .000000    1.64E-14  184.161612

ELEM     152 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    9.646206     .000000     .000000     .000000     .000000     .000000
0.25000    9.646206     .000000     .000000     .000000     .000000     .000000
0.50000    9.646206     .000000     .000000     .000000     .000000     .000000
0.75000    9.646206     .000000     .000000     .000000     .000000     .000000
1.00000    9.646206     .000000     .000000     .000000     .000000     .000000

ELEM     153 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	7.163485	.000000	.000000	.000000	.000000	.000000
0.25000	7.163485	.000000	.000000	.000000	.000000	.000000
0.50000	7.163485	.000000	.000000	.000000	.000000	.000000
0.75000	7.163485	.000000	.000000	.000000	.000000	.000000
1.00000	7.163485	.000000	.000000	.000000	.000000	.000000

ELEM 154 ========== LENGTH = 31.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	351.356699	2.541839	2.28E-16	.000000	1.71E-14	192.063103
0.25000	351.356699	2.541839	2.28E-16	.000000	1.78E-14	200.059511
0.50000	351.356699	2.541839	2.28E-16	.000000	1.87E-14	209.607970
0.75000	351.356699	2.541839	2.28E-16	.000000	1.96E-14	220.506952
1.00000	351.356699	2.541839	2.28E-16	.000000	2.07E-14	232.566660

ELEM 155 ========== LENGTH = 120.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	7087.531	.000000	.000000	.000000	.000000	.000000
0.50000	7087.531	.000000	.000000	.000000	.000000	.000000
1.00000	7087.531	.000000	.000000	.000000	.000000	.000000

ELEM 156 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	383.467104	.000000	.000000	.000000	.000000	.000000
0.25000	383.467104	.000000	.000000	.000000	.000000	.000000
0.50000	383.467104	.000000	.000000	.000000	.000000	.000000
0.75000	383.467104	.000000	.000000	.000000	.000000	.000000
1.00000	383.467104	.000000	.000000	.000000	.000000	.000000

ELEM 157 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	3004.130	.000000	.000000	.000000	.000000	.000000
0.25000	3004.130	.000000	.000000	.000000	.000000	.000000
0.50000	3004.130	.000000	.000000	.000000	.000000	.000000
0.75000	3004.130	.000000	.000000	.000000	.000000	.000000
1.00000	3004.130	.000000	.000000	.000000	.000000	.000000

ELEM 158 ========== LENGTH = 131.468627

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	2038.688	.000000	.000000	.000000	.000000	.000000
0.50000	2038.688	.000000	.000000	.000000	.000000	.000000
1.00000	2038.688	.000000	.000000	.000000	.000000	.000000

ELEM 159 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3

0.00000	83.804280	.000000	.000000	.000000	.000000	.000000
0.25000	83.804280	.000000	.000000	.000000	.000000	.000000
0.50000	83.804280	.000000	.000000	.000000	.000000	.000000
0.75000	83.804280	.000000	.000000	.000000	.000000	.000000
1.00000	83.804280	.000000	.000000	.000000	.000000	.000000

ELEM 160 ========== LENGTH = 30.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	20.366916	1.668987	1.50E-16	.000000	9.49E-15	106.335445
0.25000	20.366916	1.668987	1.50E-16	.000000	8.39E-15	94.106270
0.50000	20.366916	1.668987	1.50E-16	.000000	7.29E-15	81.964162
0.75000	20.366916	1.668987	1.50E-16	.000000	6.21E-15	69.954473
1.00000	20.366916	1.668987	1.50E-16	.000000	5.15E-15	58.159294

ELEM 161 ========== LENGTH = 26.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	28.064729	7.083145	6.33E-16	.000000	1.64E-14	184.161766
0.25000	28.064729	7.083145	6.33E-16	.000000	1.23E-14	138.121324
0.50000	28.064729	7.083145	6.33E-16	.000000	8.22E-15	92.080883
0.75000	28.064729	7.083145	6.33E-16	.000000	4.11E-15	46.040441
1.00000	28.064729	7.083145	6.33E-16	.000000	3.63E-29	2.56E-13

ELEM 162 ========== LENGTH = 12.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	36.429789	4.846623	4.38E-16	.000000	5.26E-15	58.159479
0.25000	36.429789	4.846623	4.38E-16	.000000	3.95E-15	43.619609
0.50000	36.429789	4.846623	4.38E-16	.000000	2.63E-15	29.079739
0.75000	36.429789	4.846623	4.38E-16	.000000	1.32E-15	14.539870
1.00000	36.429789	4.846623	4.38E-16	.000000	4.88E-29	1.11E-13

ELEM 163 ========== LENGTH = 50.500000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1747.962	18.686513	.000000	.000000	.000000	0.002782
0.50000	1747.962	18.686513	.000000	.000000	.000000	471.831715
1.00000	1747.962	18.686513	.000000	.000000	.000000	943.666167

ELEM 164 ========== LENGTH = 48.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1747.836	7.988245	.000000	.000000	.000000	943.664791
0.50000	1747.836	7.988245	.000000	.000000	.000000	877.545178
1.00000	1747.836	7.988245	.000000	.000000	.000000	850.399508

ELEM 165 ========== LENGTH = 48.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1747.664	12.009682	.000000	.000000	.000000	850.400398

```
0.50000    1747.664   12.009682     .000000     .000000     .000000  582.401974
1.00000    1747.664   12.009682     .000000     .000000     .000000  348.366308

ELEM     166 ================== LENGTH =   15.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1747.359   22.118766     .000000     .000000     .000000  348.368357
0.50000    1747.359   22.118766     .000000     .000000     .000000  174.183076
1.00000    1747.359   22.118766     .000000     .000000     .000000    0.002608

ELEM     167 ================== LENGTH =   80.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1743.999     .000000     .000000     .000000     .000000     .000000
0.50000    1743.999     .000000     .000000     .000000     .000000     .000000
1.00000    1743.999     .000000     .000000     .000000     .000000     .000000

ELEM     168 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1736.803     .000000     .000000     .000000     .000000     .000000
0.50000    1736.803     .000000     .000000     .000000     .000000     .000000
1.00000    1736.803     .000000     .000000     .000000     .000000     .000000

ELEM     169 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1720.910     .000000     .000000     .000000     .000000     .000000
0.50000    1720.910     .000000     .000000     .000000     .000000     .000000
1.00000    1720.910     .000000     .000000     .000000     .000000     .000000

ELEM     171 ================== LENGTH =  110.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1707.760     .000000     .000000     .000000     .000000     .000000
0.50000    1707.760     .000000     .000000     .000000     .000000     .000000
1.00000    1707.760     .000000     .000000     .000000     .000000     .000000

ELEM     172 ================== LENGTH =   13.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1.744478     .000000     .000000     .000000     .000000     .000000
0.50000    1.744478     .000000     .000000     .000000     .000000     .000000
1.00000    1.744478     .000000     .000000     .000000     .000000     .000000

ELEM     173 ================== LENGTH =    9.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   28.985674   13.055446    1.20E-15     .000000     .000000     .000000
```

```
0.25000   28.985674   13.055446    1.20E-15     .000000    2.69E-15   29.374754
0.50000   28.985674   13.055446    1.20E-15     .000000    5.38E-15   58.749507
0.75000   28.985674   13.055446    1.20E-15     .000000    8.07E-15   88.124261
1.00000   28.985674   13.055446    1.20E-15     .000000    1.08E-14  117.499015

ELEM     174 ================== LENGTH =   12.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   53.959624    5.927009    5.36E-16     .000000     .000000     .000000
0.25000   53.959624    5.927009    5.36E-16     .000000    1.61E-15   17.781027
0.50000   53.959624    5.927009    5.36E-16     .000000    3.22E-15   35.562053
0.75000   53.959624    5.927009    5.36E-16     .000000    4.83E-15   53.343080
1.00000   53.959624    5.927009    5.36E-16     .000000    6.43E-15   71.124106

ELEM     175 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   39.096558    6.359359    5.75E-16     .000000    1.04E-14  117.498795
0.25000   39.096558    6.359359    5.75E-16     .000000    1.34E-14  151.142671
0.50000   39.096558    6.359359    5.75E-16     .000000    1.66E-14  186.531582
0.75000   39.096558    6.359359    5.75E-16     .000000    1.99E-14  222.835679
1.00000   39.096558    6.359359    5.75E-16     .000000    2.32E-14  259.671394

ELEM     176 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2932.038    1.942714    1.73E-16     .000000    8.31E-15   93.250293
0.25000    2932.038    1.942714    1.73E-16     .000000    6.23E-15   69.937720
0.50000    2932.038    1.942714    1.73E-16     .000000    4.15E-15   46.625146
0.75000    2932.038    1.942714    1.73E-16     .000000    2.08E-15   23.312573
1.00000    2932.038    1.942714    1.73E-16     .000000    1.24E-29    1.83E-13

ELEM     177 ================== LENGTH =    8.512400

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  257.662730   11.398798    1.05E-15     .000000     .000000     .000000
0.25000  257.662730   11.398798    1.05E-15     .000000    2.23E-15   24.257782
0.50000  257.662730   11.398798    1.05E-15     .000000    4.45E-15   48.515564
0.75000  257.662730   11.398798    1.05E-15     .000000    6.68E-15   72.773346
1.00000  257.662730   11.398798    1.05E-15     .000000    8.91E-15   97.031128

ELEM     178 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   69.028963    3.107008    2.81E-16     .000000    6.28E-15   71.123984
0.25000   69.028963    3.107008    2.81E-16     .000000    7.90E-15   89.060203
0.50000   69.028963    3.107008    2.81E-16     .000000    9.54E-15  107.237449
0.75000   69.028963    3.107008    2.81E-16     .000000    1.12E-14  125.551077
1.00000   69.028963    3.107008    2.81E-16     .000000    1.29E-14  143.949044

ELEM     179 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	5.725179	.000000	.000000	.000000	.000000	.000000
0.25000	5.725179	.000000	.000000	.000000	.000000	.000000
0.50000	5.725179	.000000	.000000	.000000	.000000	.000000
0.75000	5.725179	.000000	.000000	.000000	.000000	.000000
1.00000	5.725179	.000000	.000000	.000000	.000000	.000000

ELEM 180 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	6.087502	.000000	.000000	.000000	.000000	.000000
0.25000	6.087502	.000000	.000000	.000000	.000000	.000000
0.50000	6.087502	.000000	.000000	.000000	.000000	.000000
0.75000	6.087502	.000000	.000000	.000000	.000000	.000000
1.00000	6.087502	.000000	.000000	.000000	.000000	.000000

ELEM 181 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	3.807318	.000000	.000000	.000000	.000000	.000000
0.25000	3.807318	.000000	.000000	.000000	.000000	.000000
0.50000	3.807318	.000000	.000000	.000000	.000000	.000000
0.75000	3.807318	.000000	.000000	.000000	.000000	.000000
1.00000	3.807318	.000000	.000000	.000000	.000000	.000000

ELEM 182 ========== LENGTH = 120.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	7229.266	.000000	.000000	.000000	.000000	.000000
0.50000	7229.266	.000000	.000000	.000000	.000000	.000000
1.00000	7229.266	.000000	.000000	.000000	.000000	.000000

ELEM 183 ========== LENGTH = 31.500000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1392.374	0.300643	.000000	.000000	.000000	.000000
0.50000	1392.374	0.300643	.000000	.000000	.000000	4.735131
1.00000	1392.374	0.300643	.000000	.000000	.000000	9.470263

ELEM 184 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1030.870	.000000	.000000	.000000	.000000	.000000
0.25000	1030.870	.000000	.000000	.000000	.000000	.000000
0.50000	1030.870	.000000	.000000	.000000	.000000	.000000
0.75000	1030.870	.000000	.000000	.000000	.000000	.000000
1.00000	1030.870	.000000	.000000	.000000	.000000	.000000

ELEM 185 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	52.395563	4.849417	4.39E-16	.000000	2.32E-14	259.671384
0.25000	52.395563	4.849417	4.39E-16	.000000	2.09E-14	234.950216
0.50000	52.395563	4.849417	4.39E-16	.000000	1.88E-14	211.346145
0.75000	52.395563	4.849417	4.39E-16	.000000	1.68E-14	189.277560
1.00000	52.395563	4.849417	4.39E-16	.000000	1.50E-14	169.345826

ELEM 186 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	86.944288	3.198862	2.89E-16	.000000	1.29E-14	143.949062
0.25000	86.944288	3.198862	2.89E-16	.000000	1.12E-14	125.540417
0.50000	86.944288	3.198862	2.89E-16	.000000	9.56E-15	107.406778
0.75000	86.944288	3.198862	2.89E-16	.000000	7.96E-15	89.715058
1.00000	86.944288	3.198862	2.89E-16	.000000	6.43E-15	72.788207

ELEM 187 ========== LENGTH = 14.462800

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	310.239263	12.162752	1.09E-15	.000000	1.58E-14	175.907445
0.25000	310.239263	12.162752	1.09E-15	.000000	1.19E-14	131.930584
0.50000	310.239263	12.162752	1.09E-15	.000000	7.92E-15	87.953722
0.75000	310.239263	12.162752	1.09E-15	.000000	3.96E-15	43.976861
1.00000	310.239263	12.162752	1.09E-15	.000000	1.78E-29	3.61E-13

ELEM 188 ========== LENGTH = 26.537200

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	378.468957	8.763803	7.83E-16	.000000	2.08E-14	232.566780
0.25000	378.468957	8.763803	7.83E-16	.000000	1.56E-14	174.425085
0.50000	378.468957	8.763803	7.83E-16	.000000	1.04E-14	116.283390
0.75000	378.468957	8.763803	7.83E-16	.000000	5.19E-15	58.141695
1.00000	378.468957	8.763803	7.83E-16	.000000	3.92E-29	9.05E-14

ELEM 189 ========== LENGTH = 15.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	69.310988	11.289738	1.02E-15	.000000	1.52E-14	169.346073
0.25000	69.310988	11.289738	1.02E-15	.000000	1.14E-14	127.009555
0.50000	69.310988	11.289738	1.02E-15	.000000	7.62E-15	84.673036
0.75000	69.310988	11.289738	1.02E-15	.000000	3.81E-15	42.336518
1.00000	69.310988	11.289738	1.02E-15	.000000	5.15E-29	1.46E-13

ELEM 190 ========== LENGTH = 12.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	104.551207	6.065697	5.49E-16	.000000	6.59E-15	72.788361
0.25000	104.551207	6.065697	5.49E-16	.000000	4.94E-15	54.591271
0.50000	104.551207	6.065697	5.49E-16	.000000	3.29E-15	36.394180
0.75000	104.551207	6.065697	5.49E-16	.000000	1.65E-15	18.197090
1.00000	104.551207	6.065697	5.49E-16	.000000	2.40E-29	1.32E-13

ELEM 191 ========== LENGTH = 50.500000

```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1595.367     .000000     .000000     .000000     .000000     .000000
0.50000    1595.367     .000000     .000000     .000000     .000000     .000000
1.00000    1595.367     .000000     .000000     .000000     .000000     .000000

ELEM     192 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1595.288     .000000     .000000     .000000     .000000     .000000
0.50000    1595.288     .000000     .000000     .000000     .000000     .000000
1.00000    1595.288     .000000     .000000     .000000     .000000     .000000

ELEM     193 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1595.135     .000000     .000000     .000000     .000000     .000000
0.50000    1595.135     .000000     .000000     .000000     .000000     .000000
1.00000    1595.135     .000000     .000000     .000000     .000000     .000000

ELEM     194 ================== LENGTH =   15.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1594.955     .000000     .000000     .000000     .000000     .000000
0.50000    1594.955     .000000     .000000     .000000     .000000     .000000
1.00000    1594.955     .000000     .000000     .000000     .000000     .000000

ELEM     195 ================== LENGTH =   32.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1588.410     .000000     .000000     .000000     .000000     .000000
0.50000    1588.410     .000000     .000000     .000000     .000000     .000000
1.00000    1588.410     .000000     .000000     .000000     .000000     .000000

ELEM     196 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1588.154     .000000     .000000     .000000     .000000     .000000
0.50000    1588.154     .000000     .000000     .000000     .000000     .000000
1.00000    1588.154     .000000     .000000     .000000     .000000     .000000

ELEM     197 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1482.619     .000000     .000000     .000000     .000000     .000000
0.50000    1482.619     .000000     .000000     .000000     .000000     .000000
1.00000    1482.619     .000000     .000000     .000000     .000000     .000000

ELEM     198 ================== LENGTH =   48.000000
```

```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1492.646     .000000     .000000     .000000     .000000     .000000
0.50000    1492.646     .000000     .000000     .000000     .000000     .000000
1.00000    1492.646     .000000     .000000     .000000     .000000     .000000

ELEM     199 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1482.465     .000000     .000000     .000000     .000000     .000000
0.50000    1482.465     .000000     .000000     .000000     .000000     .000000
1.00000    1482.465     .000000     .000000     .000000     .000000     .000000

ELEM     200 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1477.365     .000000     .000000     .000000     .000000     .000000
0.50000    1477.365     .000000     .000000     .000000     .000000     .000000
1.00000    1477.365     .000000     .000000     .000000     .000000     .000000

ELEM     201 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1465.012     .000000     .000000     .000000     .000000     .000000
0.50000    1465.012     .000000     .000000     .000000     .000000     .000000
1.00000    1465.012     .000000     .000000     .000000     .000000     .000000

ELEM     203 ================== LENGTH =   34.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  696.745178     .000000     .000000     .000000     .000000     .000000
0.50000  696.745178     .000000     .000000     .000000     .000000     .000000
1.00000  696.745178     .000000     .000000     .000000     .000000     .000000

ELEM     204 ================== LENGTH =   88.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  152.667163     .000000     .000000     .000000     .000000     .000000
0.50000  152.667163     .000000     .000000     .000000     .000000     .000000
1.00000  152.667163     .000000     .000000     .000000     .000000     .000000

ELEM     205 ================== LENGTH =    9.537200

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  307.806818   34.756408    3.17E-15     .000000     .000000     .000000
0.25000  307.806818   34.756408    3.17E-15     .000000    7.56E-15   82.869704
0.50000  307.806818   34.756408    3.17E-15     .000000    1.51E-14  165.739408
0.75000  307.806818   34.756408    3.17E-15     .000000    2.27E-14  248.609112
1.00000  307.806818   34.756408    3.17E-15     .000000    3.03E-14  331.478816
```

ELEM 206 ========== LENGTH = 8.512400

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	190.487628	20.530867	1.89E-15	.000000	.000000	.000000
0.25000	190.487628	20.530867	1.89E-15	.000000	4.01E-15	43.691739
0.50000	190.487628	20.530867	1.89E-15	.000000	8.02E-15	87.383478
0.75000	190.487628	20.530867	1.89E-15	.000000	1.20E-14	131.075217
1.00000	190.487628	20.530867	1.89E-15	.000000	1.60E-14	174.766956

ELEM 207 ========== LENGTH = 17.539000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	114.704680	7.639744	2.90E-16	.000000	.000000	.000000
0.25000	114.704680	7.639744	2.90E-16	.000000	1.27E-15	33.498366
0.50000	114.704680	7.639744	2.90E-16	.000000	2.54E-15	66.996732
0.75000	114.704680	7.639744	2.90E-16	.000000	3.81E-15	100.495098
1.00000	114.704680	7.639744	2.90E-16	.000000	5.08E-15	133.993465

ELEM 208 ========== LENGTH = 9.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	130.481921	13.086758	1.20E-15	.000000	.000000	.000000
0.25000	130.481921	13.086758	1.20E-15	.000000	2.70E-15	29.445205
0.50000	130.481921	13.086758	1.20E-15	.000000	5.39E-15	58.890409
0.75000	130.481921	13.086758	1.20E-15	.000000	8.09E-15	88.335614
1.00000	130.481921	13.086758	1.20E-15	.000000	1.08E-14	117.780819

ELEM 209 ========== LENGTH = 12.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	233.700758	6.613075	5.98E-16	.000000	.000000	.000000
0.25000	233.700758	6.613075	5.98E-16	.000000	1.79E-15	19.839225
0.50000	233.700758	6.613075	5.98E-16	.000000	3.59E-15	39.678450
0.75000	233.700758	6.613075	5.98E-16	.000000	5.38E-15	59.517675
1.00000	233.700758	6.613075	5.98E-16	.000000	7.18E-15	79.356900

ELEM 210 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	266.727090	20.241655	1.83E-15	.000000	2.91E-14	331.477901
0.25000	266.727090	20.241655	1.83E-15	.000000	3.99E-14	450.364019
0.50000	266.727090	20.241655	1.83E-15	.000000	5.07E-14	570.331544
0.75000	266.727090	20.241655	1.83E-15	.000000	6.16E-14	690.817314
1.00000	266.727090	20.241655	1.83E-15	.000000	7.26E-14	811.590550

ELEM 211 ========== LENGTH = 39.905978

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1908.447	.000000	.000000	.000000	.000000	.000000
0.50000	1908.447	.000000	.000000	.000000	.000000	.000000

```
1.00000    1908.447     .000000     .000000     .000000     .000000     .000000

ELEM     212 ================== LENGTH =   39.905935

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  991.365263     .000000     .000000     .000000     .000000     .000000
0.50000  991.365263     .000000     .000000     .000000     .000000     .000000
1.00000  991.365263     .000000     .000000     .000000     .000000     .000000

ELEM     213 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  157.334310   10.618828    9.61E-16     .000000    1.54E-14  174.766564
0.25000  157.334310   10.618828    9.61E-16     .000000    2.07E-14  233.639012
0.50000  157.334310   10.618828    9.61E-16     .000000    2.62E-14  294.533035
0.75000  157.334310   10.618828    9.61E-16     .000000    3.18E-14  356.413964
1.00000  157.334310   10.618828    9.61E-16     .000000    3.75E-14  418.844605

ELEM     214 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  142.674273    1.986225    7.94E-17     .000000    4.78E-15  133.993683
0.25000  142.674273    1.986225    7.94E-17     .000000    5.05E-15  140.926748
0.50000  142.674273    1.986225    7.94E-17     .000000    5.35E-15  148.493892
0.75000  142.674273    1.986225    7.94E-17     .000000    5.68E-15  156.603226
1.00000  142.674273    1.986225    7.94E-17     .000000    6.02E-15  165.174911

ELEM     215 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  116.211497    6.341204    5.74E-16     .000000    1.04E-14  117.780676
0.25000  116.211497    6.341204    5.74E-16     .000000    1.27E-14  142.809112
0.50000  116.211497    6.341204    5.74E-16     .000000    1.54E-14  172.660880
0.75000  116.211497    6.341204    5.74E-16     .000000    1.83E-14  205.242050
1.00000  116.211497    6.341204    5.74E-16     .000000    2.14E-14  239.441018

ELEM     216 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  253.440121    2.232866    2.02E-16     .000000    7.03E-15   79.356786
0.25000  253.440121    2.232866    2.02E-16     .000000    8.04E-15   90.513991
0.50000  253.440121    2.232866    2.02E-16     .000000    9.09E-15  102.210741
0.75000  253.440121    2.232866    2.02E-16     .000000    1.02E-14  114.281487
1.00000  253.440121    2.232866    2.02E-16     .000000    1.13E-14  126.619314

ELEM     217 ================== LENGTH =   79.098436

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  139.166140     .000000     .000000     .000000     .000000     .000000
0.50000  139.166140     .000000     .000000     .000000     .000000     .000000
1.00000  139.166140     .000000     .000000     .000000     .000000     .000000
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```
ELEM     218 ================== LENGTH =  120.400374

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    7316.807     .000000     .000000     .000000     .000000     .000000
0.50000    7316.807     .000000     .000000     .000000     .000000     .000000
1.00000    7316.807     .000000     .000000     .000000     .000000     .000000

ELEM     219 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3.486561     .000000     .000000     .000000     .000000     .000000
0.25000    3.486561     .000000     .000000     .000000     .000000     .000000
0.50000    3.486561     .000000     .000000     .000000     .000000     .000000
0.75000    3.486561     .000000     .000000     .000000     .000000     .000000
1.00000    3.486561     .000000     .000000     .000000     .000000     .000000

ELEM     220 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  102.059113     .000000     .000000     .000000     .000000     .000000
0.50000  102.059113     .000000     .000000     .000000     .000000     .000000
1.00000  102.059113     .000000     .000000     .000000     .000000     .000000

ELEM     221 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   83.385730     .000000     .000000     .000000     .000000     .000000
0.25000   83.385730     .000000     .000000     .000000     .000000     .000000
0.50000   83.385730     .000000     .000000     .000000     .000000     .000000
0.75000   83.385730     .000000     .000000     .000000     .000000     .000000
1.00000   83.385730     .000000     .000000     .000000     .000000     .000000

ELEM     222 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   40.338308     .000000     .000000     .000000     .000000     .000000
0.50000   40.338308     .000000     .000000     .000000     .000000     .000000
1.00000   40.338308     .000000     .000000     .000000     .000000     .000000

ELEM     223 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   29.509559     .000000     .000000     .000000     .000000     .000000
0.25000   29.509559     .000000     .000000     .000000     .000000     .000000
0.50000   29.509559     .000000     .000000     .000000     .000000     .000000
0.75000   29.509559     .000000     .000000     .000000     .000000     .000000
1.00000   29.509559     .000000     .000000     .000000     .000000     .000000

ELEM     224 ================== LENGTH =   86.533231
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SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   50.164756     .000000     .000000     .000000     .000000     .000000
0.50000   50.164756     .000000     .000000     .000000     .000000     .000000
1.00000   50.164756     .000000     .000000     .000000     .000000     .000000

ELEM     225 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   37.003631     .000000     .000000     .000000     .000000     .000000
0.25000   37.003631     .000000     .000000     .000000     .000000     .000000
0.50000   37.003631     .000000     .000000     .000000     .000000     .000000
0.75000   37.003631     .000000     .000000     .000000     .000000     .000000
1.00000   37.003631     .000000     .000000     .000000     .000000     .000000

ELEM     226 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1129.563     .000000     .000000     .000000     .000000     .000000
0.25000    1129.563     .000000     .000000     .000000     .000000     .000000
0.50000    1129.563     .000000     .000000     .000000     .000000     .000000
0.75000    1129.563     .000000     .000000     .000000     .000000     .000000
1.00000    1129.563     .000000     .000000     .000000     .000000     .000000

ELEM     227 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  629.273435     .000000     .000000     .000000     .000000     .000000
0.25000  629.273435     .000000     .000000     .000000     .000000     .000000
0.50000  629.273435     .000000     .000000     .000000     .000000     .000000
0.75000  629.273435     .000000     .000000     .000000     .000000     .000000
1.00000  629.273435     .000000     .000000     .000000     .000000     .000000

ELEM     228 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  217.936439   13.309359    1.20E-15     .000000    7.24E-14  811.590481
0.25000  217.936439   13.309359    1.20E-15     .000000    6.54E-14  733.153708
0.50000  217.936439   13.309359    1.20E-15     .000000    5.83E-14  655.060014
0.75000  217.936439   13.309359    1.20E-15     .000000    5.13E-14  577.448609
1.00000  217.936439   13.309359    1.20E-15     .000000    4.43E-14  500.543886

ELEM     229 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  123.626619    6.750980    6.11E-16     .000000    3.74E-14  418.844614
0.25000  123.626619    6.750980    6.11E-16     .000000    3.42E-14  383.645908
0.50000  123.626619    6.750980    6.11E-16     .000000    3.11E-14  349.598353
0.75000  123.626619    6.750980    6.11E-16     .000000    2.82E-14  317.072999
1.00000  123.626619    6.750980    6.11E-16     .000000    2.54E-14  286.588587

ELEM     230 ================== LENGTH =   24.000000
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SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  171.061725    4.496449    1.80E-16     .000000    6.16E-15  165.175049
0.25000  171.061725    4.496449    1.80E-16     .000000    5.11E-15  138.937239
0.50000  171.061725    4.496449    1.80E-16     .000000    4.07E-15  113.048732
0.75000  171.061725    4.496449    1.80E-16     .000000    3.07E-15   87.818990
1.00000  171.061725    4.496449    1.80E-16     .000000    2.13E-15   64.031506

ELEM     231 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  101.085457    4.797556    4.34E-16     .000000    2.14E-14  239.441092
0.25000  101.085457    4.797556    4.34E-16     .000000    1.89E-14  211.406942
0.50000  101.085457    4.797556    4.34E-16     .000000    1.63E-14  183.605405
0.75000  101.085457    4.797556    4.34E-16     .000000    1.39E-14  156.160766
1.00000  101.085457    4.797556    4.34E-16     .000000    1.14E-14  129.300487

ELEM     232 ================== LENGTH =   39.905978

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  993.421912     .000000     .000000     .000000     .000000     .000000
0.50000  993.421912     .000000     .000000     .000000     .000000     .000000
1.00000  993.421912     .000000     .000000     .000000     .000000     .000000

ELEM     233 ================== LENGTH =   39.905935

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1906.306     .000000     .000000     .000000     .000000     .000000
0.50000    1906.306     .000000     .000000     .000000     .000000     .000000
1.00000    1906.306     .000000     .000000     .000000     .000000     .000000

ELEM     234 ================== LENGTH =   36.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  265.072641    3.517204    3.14E-16     .000000    1.13E-14  126.619346
0.25000  265.072641    3.517204    3.14E-16     .000000    8.47E-15   94.964509
0.50000  265.072641    3.517204    3.14E-16     .000000    5.64E-15   63.309673
0.75000  265.072641    3.517204    3.14E-16     .000000    2.82E-15   31.654836
1.00000  265.072641    3.517204    3.14E-16     .000000    1.78E-30    2.36E-14

ELEM     235 ================== LENGTH =   14.462800

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  168.925016   34.609123    3.12E-15     .000000    4.51E-14  500.544824
0.25000  168.925016   34.609123    3.12E-15     .000000    3.38E-14  375.408618
0.50000  168.925016   34.609123    3.12E-15     .000000    2.25E-14  250.272412
0.75000  168.925016   34.609123    3.12E-15     .000000    1.13E-14  125.136206
1.00000  168.925016   34.609123    3.12E-15     .000000    1.99E-29    4.13E-13

ELEM     236 ================== LENGTH =   15.487600
```

```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   84.947220   18.504423    1.66E-15     .000000    2.58E-14  286.589109
0.25000   84.947220   18.504423    1.66E-15     .000000    1.93E-14  214.941832
0.50000   84.947220   18.504423    1.66E-15     .000000    1.29E-14  143.294555
0.75000   84.947220   18.504423    1.66E-15     .000000    6.44E-15   71.647277
1.00000   84.947220   18.504423    1.66E-15     .000000    2.06E-29    5.33E-13

ELEM     237 ================== LENGTH =    6.461000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  203.657164    9.910459    4.78E-16     .000000    3.09E-15   64.031473
0.25000  203.657164    9.910459    4.78E-16     .000000    2.32E-15   48.023604
0.50000  203.657164    9.910459    4.78E-16     .000000    1.55E-15   32.015736
0.75000  203.657164    9.910459    4.78E-16     .000000    7.73E-16   16.007868
1.00000  203.657164    9.910459    4.78E-16     .000000    3.10E-28    3.00E-12

ELEM     238 ================== LENGTH =   15.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   93.207342    8.620055    7.75E-16     .000000    1.16E-14  129.300830
0.25000   93.207342    8.620055    7.75E-16     .000000    8.72E-15   96.975623
0.50000   93.207342    8.620055    7.75E-16     .000000    5.82E-15   64.650415
0.75000   93.207342    8.620055    7.75E-16     .000000    2.91E-15   32.325208
1.00000   93.207342    8.620055    7.75E-16     .000000    1.22E-29    8.39E-14

ELEM     239 ================== LENGTH =   15.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1571.816  188.320410     .000000     .000000     .000000    0.000580
0.50000    1571.816  188.320410     .000000     .000000     .000000    1483.023
1.00000    1571.816  188.320410     .000000     .000000     .000000    2966.046

ELEM     240 ================== LENGTH =   32.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1571.764   90.566278     .000000     .000000     .000000    2966.046
0.50000    1571.764   90.566278     .000000     .000000     .000000    1483.023
1.00000    1571.764   90.566278     .000000     .000000     .000000    0.000240

ELEM     241 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1568.273     .000000     .000000     .000000     .000000     .000000
0.50000    1568.273     .000000     .000000     .000000     .000000     .000000
1.00000    1568.273     .000000     .000000     .000000     .000000     .000000

ELEM     242 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000    1588.136     .000000     .000000     .000000     .000000     .000000
0.50000    1588.136     .000000     .000000     .000000     .000000     .000000
1.00000    1588.136     .000000     .000000     .000000     .000000     .000000

ELEM     243 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1440.567     .000000     .000000     .000000     .000000     .000000
0.50000    1440.567     .000000     .000000     .000000     .000000     .000000
1.00000    1440.567     .000000     .000000     .000000     .000000     .000000

ELEM     244 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1430.360     .000000     .000000     .000000     .000000     .000000
0.50000    1430.360     .000000     .000000     .000000     .000000     .000000
1.00000    1430.360     .000000     .000000     .000000     .000000     .000000

ELEM     245 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1430.104     .000000     .000000     .000000     .000000     .000000
0.50000    1430.104     .000000     .000000     .000000     .000000     .000000
1.00000    1430.104     .000000     .000000     .000000     .000000     .000000

ELEM     246 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1414.443     .000000     .000000     .000000     .000000     .000000
0.50000    1414.443     .000000     .000000     .000000     .000000     .000000
1.00000    1414.443     .000000     .000000     .000000     .000000     .000000

ELEM     248 ================== LENGTH =   34.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  990.930710     .000000     .000000     .000000     .000000     .000000
0.50000  990.930710     .000000     .000000     .000000     .000000     .000000
1.00000  990.930710     .000000     .000000     .000000     .000000     .000000

ELEM     249 ================== LENGTH =   88.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  120.405429     .000000     .000000     .000000     .000000     .000000
0.50000  120.405429     .000000     .000000     .000000     .000000     .000000
1.00000  120.405429     .000000     .000000     .000000     .000000     .000000

ELEM     250 ================== LENGTH =    9.537200

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
```

0.00000	123.923317	8.298602	7.57E-16	.000000	.000000	.000000
0.25000	123.923317	8.298602	7.57E-16	.000000	1.81E-15	19.786357
0.50000	123.923317	8.298602	7.57E-16	.000000	3.61E-15	39.572714
0.75000	123.923317	8.298602	7.57E-16	.000000	5.42E-15	59.359071
1.00000	123.923317	8.298602	7.57E-16	.000000	7.22E-15	79.145429

ELEM 251 ========== LENGTH = 8.512400

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	48.837973	1.547051	1.42E-16	.000000	.000000	.000000
0.25000	48.837973	1.547051	1.42E-16	.000000	3.02E-16	3.292280
0.50000	48.837973	1.547051	1.42E-16	.000000	6.05E-16	6.584559
0.75000	48.837973	1.547051	1.42E-16	.000000	9.07E-16	9.876839
1.00000	48.837973	1.547051	1.42E-16	.000000	1.21E-15	13.169119

ELEM 252 ========== LENGTH = 49.604034

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	294.403771	.000000	.000000	.000000	.000000	.000000
0.50000	294.403771	.000000	.000000	.000000	.000000	.000000
1.00000	294.403771	.000000	.000000	.000000	.000000	.000000

ELEM 253 ========== LENGTH = 17.539000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	334.600612	13.463790	5.11E-16	.000000	.000000	.000000
0.25000	334.600612	13.463790	5.11E-16	.000000	2.24E-15	59.035352
0.50000	334.600612	13.463790	5.11E-16	.000000	4.48E-15	118.070705
0.75000	334.600612	13.463790	5.11E-16	.000000	6.72E-15	177.106057
1.00000	334.600612	13.463790	5.11E-16	.000000	8.96E-15	236.141409

ELEM 254 ========== LENGTH = 4.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	26.275268	3.292158	3.25E-16	.000000	1.30E-15	13.168632
0.25000	26.275268	3.292158	3.25E-16	.000000	9.76E-16	9.876474
0.50000	26.275268	3.292158	3.25E-16	.000000	6.50E-16	6.584316
0.75000	26.275268	3.292158	3.25E-16	.000000	3.25E-16	3.292158
1.00000	26.275268	3.292158	3.25E-16	.000000	.000000	.000000

ELEM 255 ========== LENGTH = 25.024800

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	26.358539	.000000	.000000	.000000	.000000	.000000
0.25000	26.358539	.000000	.000000	.000000	.000000	.000000
0.50000	26.358539	.000000	.000000	.000000	.000000	.000000
0.75000	26.358539	.000000	.000000	.000000	.000000	.000000
1.00000	26.358539	.000000	.000000	.000000	.000000	.000000

ELEM 256 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	67.512245	1.889265	1.71E-16	.000000	7.07E-15	79.145360
0.25000	67.512245	1.889265	1.71E-16	.000000	6.22E-15	69.713050
0.50000	67.512245	1.889265	1.71E-16	.000000	5.42E-15	60.932930
0.75000	67.512245	1.889265	1.71E-16	.000000	4.72E-15	53.129329
1.00000	67.512245	1.889265	1.71E-16	.000000	4.15E-15	46.793379

ELEM 257 ========== LENGTH = 49.604034

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	289.003306	.000000	.000000	.000000	.000000	.000000
0.50000	289.003306	.000000	.000000	.000000	.000000	.000000
1.00000	289.003306	.000000	.000000	.000000	.000000	.000000

ELEM 258 ========== LENGTH = 50.049600

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	32.915513	.000000	.000000	.000000	.000000	.000000
0.25000	32.915513	.000000	.000000	.000000	.000000	.000000
0.50000	32.915513	.000000	.000000	.000000	.000000	.000000
0.75000	32.915513	.000000	.000000	.000000	.000000	.000000
1.00000	32.915513	.000000	.000000	.000000	.000000	.000000

ELEM 259 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	301.358206	5.009488	2.00E-16	.000000	8.29E-15	236.140806
0.25000	301.358206	5.009488	2.00E-16	.000000	9.40E-15	263.934890
0.50000	301.358206	5.009488	2.00E-16	.000000	1.05E-14	292.177360
0.75000	301.358206	5.009488	2.00E-16	.000000	1.17E-14	320.749794
1.00000	301.358206	5.009488	2.00E-16	.000000	1.28E-14	349.571293

ELEM 260 ========== LENGTH = 49.604034

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	283.854198	.000000	.000000	.000000	.000000	.000000
0.50000	283.854198	.000000	.000000	.000000	.000000	.000000
1.00000	283.854198	.000000	.000000	.000000	.000000	.000000

ELEM 261 ========== LENGTH = 62.562000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	117.388077	.000000	.000000	.000000	.000000	.000000
0.25000	117.388077	.000000	.000000	.000000	.000000	.000000
0.50000	117.388077	.000000	.000000	.000000	.000000	.000000
0.75000	117.388077	.000000	.000000	.000000	.000000	.000000
1.00000	117.388077	.000000	.000000	.000000	.000000	.000000

ELEM 262 ========== LENGTH = 4.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3

0.00000	34.446733	11.698302	1.16E-15	.000000	4.62E-15	46.793210
0.25000	34.446733	11.698302	1.16E-15	.000000	3.47E-15	35.094907
0.50000	34.446733	11.698302	1.16E-15	.000000	2.31E-15	23.396605
0.75000	34.446733	11.698302	1.16E-15	.000000	1.16E-15	11.698302
1.00000	34.446733	11.698302	1.16E-15	.000000	4.55E-32	4.10E-16

ELEM 263 ========== LENGTH = 49.604034

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	268.917114	.000000	.000000	.000000	.000000	.000000
0.50000	268.917114	.000000	.000000	.000000	.000000	.000000
1.00000	268.917114	.000000	.000000	.000000	.000000	.000000

ELEM 264 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	263.211535	10.073555	4.03E-16	.000000	1.31E-14	349.570771
0.25000	263.211535	10.073555	4.03E-16	.000000	1.07E-14	289.338084
0.50000	263.211535	10.073555	4.03E-16	.000000	8.26E-15	229.215267
0.75000	263.211535	10.073555	4.03E-16	.000000	5.86E-15	169.319398
1.00000	263.211535	10.073555	4.03E-16	.000000	3.50E-15	110.021759

ELEM 265 ========== LENGTH = 94.625000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	219.295271	.000000	.000000	.000000	.000000	.000000
0.25000	219.295271	.000000	.000000	.000000	.000000	.000000
0.50000	219.295271	.000000	.000000	.000000	.000000	.000000
0.75000	219.295271	.000000	.000000	.000000	.000000	.000000
1.00000	219.295271	.000000	.000000	.000000	.000000	.000000

ELEM 266 ========== LENGTH = 49.604034

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	260.431461	.000000	.000000	.000000	.000000	.000000
0.50000	260.431461	.000000	.000000	.000000	.000000	.000000
1.00000	260.431461	.000000	.000000	.000000	.000000	.000000

ELEM 267 ========== LENGTH = 35.588312

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	215.987280	.000000	.000000	.000000	.000000	.000000
0.50000	215.987280	.000000	.000000	.000000	.000000	.000000
1.00000	215.987280	.000000	.000000	.000000	.000000	.000000

ELEM 268 ========== LENGTH = 6.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	240.901530	18.336874	9.15E-16	.000000	5.49E-15	110.021244
0.25000	240.901530	18.336874	9.15E-16	.000000	4.12E-15	82.515933
0.50000	240.901530	18.336874	9.15E-16	.000000	2.75E-15	55.010622

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0.75000  240.901530   18.336874    9.15E-16     .000000    1.37E-15   27.505311
1.00000  240.901530   18.336874    9.15E-16     .000000    1.01E-27    5.40E-11

ELEM     269 ================== LENGTH =   91.522018

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  108.288147     .000000     .000000     .000000     .000000     .000000
0.50000  108.288147     .000000     .000000     .000000     .000000     .000000
1.00000  108.288147     .000000     .000000     .000000     .000000     .000000

ELEM     270 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  300.832300    4.956367    1.98E-16     .000000    8.12E-15  231.471577
0.25000  300.832300    4.956367    1.98E-16     .000000    9.23E-15  259.139437
0.50000  300.832300    4.956367    1.98E-16     .000000    1.03E-14  287.221389
0.75000  300.832300    4.956367    1.98E-16     .000000    1.15E-14  315.606918
1.00000  300.832300    4.956367    1.98E-16     .000000    1.26E-14  344.220929

ELEM     271 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  262.702138    9.975719    3.99E-16     .000000    1.29E-14  344.220409
0.25000  262.702138    9.975719    3.99E-16     .000000    1.05E-14  284.578101
0.50000  262.702138    9.975719    3.99E-16     .000000    8.11E-15  225.048392
0.75000  262.702138    9.975719    3.99E-16     .000000    5.74E-15  165.752645
1.00000  262.702138    9.975719    3.99E-16     .000000    3.40E-15  107.080236

ELEM     272 ================== LENGTH =    5.999980

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  240.400006   17.846678    8.91E-16     .000000    5.34E-15  107.079713
0.25000  240.400006   17.846678    8.91E-16     .000000    4.01E-15   80.309785
0.50000  240.400006   17.846678    8.91E-16     .000000    2.67E-15   53.539857
0.75000  240.400006   17.846678    8.91E-16     .000000    1.34E-15   26.769928
1.00000  240.400006   17.846678    8.91E-16     .000000    1.01E-27    1.18E-11

ELEM     273 ================== LENGTH =   12.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   15.759044    3.900609    3.53E-16     .000000    4.23E-15   46.807313
0.25000   15.759044    3.900609    3.53E-16     .000000    3.18E-15   35.105485
0.50000   15.759044    3.900609    3.53E-16     .000000    2.12E-15   23.403656
0.75000   15.759044    3.900609    3.53E-16     .000000    1.06E-15   11.701828
1.00000   15.759044    3.900609    3.53E-16     .000000    9.67E-29    6.64E-13

ELEM     274 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  248.344078    8.707036    7.88E-16     .000000    8.48E-15   97.030840
0.25000  248.344078    8.707036    7.88E-16     .000000    1.31E-14  148.112909
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0.50000  248.344078    8.707036    7.88E-16     .000000    1.78E-14  199.795850
0.75000  248.344078    8.707036    7.88E-16     .000000    2.25E-14  251.709808
1.00000  248.344078    8.707036    7.88E-16     .000000    2.72E-14  303.736352

ELEM     275 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  220.529701    4.806270    4.35E-16     .000000    2.71E-14  303.736311
0.25000  220.529701    4.806270    4.35E-16     .000000    2.47E-14  277.561696
0.50000  220.529701    4.806270    4.35E-16     .000000    2.24E-14  251.969165
0.75000  220.529701    4.806270    4.35E-16     .000000    2.02E-14  227.155547
1.00000  220.529701    4.806270    4.35E-16     .000000    1.80E-14  203.406100

ELEM     276 ================== LENGTH =   15.487600

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  192.454142   13.133498    1.18E-15     .000000    1.83E-14  203.406368
0.25000  192.454142   13.133498    1.18E-15     .000000    1.37E-14  152.554776
0.50000  192.454142   13.133498    1.18E-15     .000000    9.14E-15  101.703184
0.75000  192.454142   13.133498    1.18E-15     .000000    4.57E-15   50.851592
1.00000  192.454142   13.133498    1.18E-15     .000000    4.99E-29    2.87E-13

ELEM     277 ================== LENGTH =   26.537200

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  378.155545    7.829661    6.99E-16     .000000     .000000     .000000
0.25000  378.155545    7.829661    6.99E-16     .000000    4.64E-15   51.944320
0.50000  378.155545    7.829661    6.99E-16     .000000    9.28E-15  103.888640
0.75000  378.155545    7.829661    6.99E-16     .000000    1.39E-14  155.832959
1.00000  378.155545    7.829661    6.99E-16     .000000    1.86E-14  207.777279

ELEM     278 ================== LENGTH =   31.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  351.033540    2.500257    2.25E-16     .000000    1.85E-14  207.777160
0.25000  351.033540    2.500257    2.25E-16     .000000    1.76E-14  197.453691
0.50000  351.033540    2.500257    2.25E-16     .000000    1.68E-14  188.561682
0.75000  351.033540    2.500257    2.25E-16     .000000    1.61E-14  181.311862
1.00000  351.033540    2.500257    2.25E-16     .000000    1.56E-14  175.907392

ELEM     279 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2936.128    1.762157    1.57E-16     .000000     .000000     .000000
0.25000    2936.128    1.762157    1.57E-16     .000000    1.88E-15   21.145884
0.50000    2936.128    1.762157    1.57E-16     .000000    3.77E-15   42.291768
0.75000    2936.128    1.762157    1.57E-16     .000000    5.65E-15   63.437652
1.00000    2936.128    1.762157    1.57E-16     .000000    7.53E-15   84.583536

ELEM     280 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	2918.334	3.524308	3.15E-16	.000000	7.56E-15	84.583381
0.25000	2918.334	3.524308	3.15E-16	.000000	5.67E-15	63.437536
0.50000	2918.334	3.524308	3.15E-16	.000000	3.78E-15	42.291691
0.75000	2918.334	3.524308	3.15E-16	.000000	1.89E-15	21.145845
1.00000	2918.334	3.524308	3.15E-16	.000000	3.17E-29	7.70E-13

ELEM 281 ========== LENGTH = 16.500000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1392.271	0.573543	.000000	.000000	.000000	9.463468
0.50000	1392.271	0.573543	.000000	.000000	.000000	4.731734
1.00000	1392.271	0.573543	.000000	.000000	.000000	1.18E-11

ELEM 282 ========== LENGTH = 31.500000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1436.498	0.297404	.000000	.000000	.000000	.000000
0.50000	1436.498	0.297404	.000000	.000000	.000000	4.684114
1.00000	1436.498	0.297404	.000000	.000000	.000000	9.368228

ELEM 283 ========== LENGTH = 16.500000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1436.325	0.567366	.000000	.000000	.000000	9.361536
0.50000	1436.325	0.567366	.000000	.000000	.000000	4.680768
1.00000	1436.325	0.567366	.000000	.000000	.000000	6.18E-12

ELEM 284 ========== LENGTH = 79.500000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1695.359	0.316302	.000000	.000000	.000000	.000000
0.50000	1695.359	0.316302	.000000	.000000	.000000	12.573023
1.00000	1695.359	0.316302	.000000	.000000	.000000	25.146046

ELEM 285 ========== LENGTH = 16.500000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1695.022	1.523765	.000000	.000000	.000000	25.142129
0.50000	1695.022	1.523765	.000000	.000000	.000000	12.571064
1.00000	1695.022	1.523765	.000000	.000000	.000000	1.97E-11

ELEM 286 ========== LENGTH = 79.500000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	4141.201	0.306282	.000000	.000000	.000000	.000000
0.50000	4141.201	0.306282	.000000	.000000	.000000	12.174695
1.00000	4141.201	0.306282	.000000	.000000	.000000	24.349390

ELEM 287 ========== LENGTH = 16.500000

```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4140.627    1.475492     .000000     .000000     .000000   24.345610
0.50000    4140.627    1.475492     .000000     .000000     .000000   12.172805
1.00000    4140.627    1.475492     .000000     .000000     .000000    8.71E-12

ELEM     288 ================== LENGTH =   79.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4156.424    0.306831     .000000     .000000     .000000     .000000
0.50000    4156.424    0.306831     .000000     .000000     .000000   12.196546
1.00000    4156.424    0.306831     .000000     .000000     .000000   24.393093

ELEM     289 ================== LENGTH =   16.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4155.848    1.478140     .000000     .000000     .000000   24.389316
0.50000    4155.848    1.478140     .000000     .000000     .000000   12.194658
1.00000    4155.848    1.478140     .000000     .000000     .000000    1.97E-12

ELEM     290 ================== LENGTH =   79.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1719.150    0.317324     .000000     .000000     .000000     .000000
0.50000    1719.150    0.317324     .000000     .000000     .000000   12.613629
1.00000    1719.150    0.317324     .000000     .000000     .000000   25.227258

ELEM     291 ================== LENGTH =   16.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1718.807    1.528688     .000000     .000000     .000000   25.223348
0.50000    1718.807    1.528688     .000000     .000000     .000000   12.611674
1.00000    1718.807    1.528688     .000000     .000000     .000000    1.52E-11

ELEM     292 ================== LENGTH =   31.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1459.284    0.298186     .000000     .000000     .000000     .000000
0.50000    1459.284    0.298186     .000000     .000000     .000000    4.696434
1.00000    1459.284    0.298186     .000000     .000000     .000000    9.392868

ELEM     293 ================== LENGTH =   16.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1459.108    0.568859     .000000     .000000     .000000    9.386176
0.50000    1459.108    0.568859     .000000     .000000     .000000    4.693088
1.00000    1459.108    0.568859     .000000     .000000     .000000    5.62E-12

ELEM     294 ================== LENGTH =   31.500000
```

```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1414.050    0.301721     .000000     .000000     .000000     .000000
0.50000    1414.050    0.301721     .000000     .000000     .000000    4.752109
1.00000    1414.050    0.301721     .000000     .000000     .000000    9.504218

ELEM     295 ================== LENGTH =   16.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1413.937    0.575602     .000000     .000000     .000000    9.497430
0.50000    1413.937    0.575602     .000000     .000000     .000000    4.748715
1.00000    1413.937    0.575602     .000000     .000000     .000000    6.18E-12
```

S A P 2 0 0 0

Structural Analysis Programs

Version 7.40

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C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES

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5 Apr 2005 17:04:25

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S Y S T E M D A T A

STEADY STATE LOAD FREQUENCY - - - - - - - - 0.0000E+00

LENGTH UNITS - - - - - - - - - - - - - - - - - IN
FORCE UNITS - - - - - - - - - - - - - - - - - LB

UP DIRECTION - - - - - - - - - - - - - - - - - +Z

GLOBAL DEGREES OF FREEDOM - - - - - - - - - - UX
- - - - - - - - - - UZ
- - - - - - - - - - RY

PAGINATION BY - - - - - - - - - - - - - - - - - SECTIONS
NUMBER OF LINES PER PAGE - - - - - - - - - - - 59
INCLUDE WARNING MESSAGES IN OUTPUT FILE - - Y

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G E N E R A T E D J O I N T C O O R D I N A T E S

JOINT	X	Y	Z
3	130.625	120.000	548.219
4	562.625	120.000	548.219
A3	166.625	120.000	0.000
A4	238.625	120.000	0.000
A5	310.625	120.000	0.000
A6	382.625	120.000	0.000
A7	454.625	120.000	0.000
A8	526.625	120.000	0.000
B3	166.625	120.000	50.500
B4	238.625	120.000	50.500

B5	310.625	120.000	50.500
B6	382.625	120.000	50.500
B7	454.625	120.000	50.500
B8	526.625	120.000	50.500
C3	166.625	120.000	98.500
C4	238.625	120.000	98.500
C7	454.625	120.000	98.500
C8	526.625	120.000	98.500
D2	94.625	120.000	146.500
D3	166.625	120.000	146.500
D4	238.625	120.000	146.500
D5	310.625	120.000	146.500
D6	382.625	120.000	146.500
D7	454.625	120.000	146.500
D8	526.625	120.000	146.500
D9	598.625	120.000	146.500
E2	94.625	120.000	162.250
E3	166.625	120.000	162.250
E4	238.625	120.000	162.250
E5	310.625	120.000	162.250
E6	382.625	120.000	162.250
E7	454.625	120.000	162.250
E8	526.625	120.000	162.250
E9	598.625	120.000	162.250
F2	94.625	120.000	195.000
F3	166.625	120.000	195.000
F8	526.625	120.000	195.000
F9	598.625	120.000	195.000
G2	94.625	120.000	243.000
G3	166.625	120.000	243.000
G4	238.625	120.000	243.000
G5	310.625	120.000	243.000
G6	382.625	120.000	243.000
G7	454.625	120.000	243.000
G8	526.625	120.000	243.000
G9	598.625	120.000	243.000
H2	94.625	120.000	291.000
H3	166.625	120.000	291.000
H8	526.625	120.000	291.000
H9	598.625	120.000	291.000
I1	82.113	120.000	339.000
I2	94.625	120.000	339.000
I3	166.625	120.000	339.000
I4	238.625	120.000	339.000
I5	310.625	120.000	339.000
I6	382.625	120.000	339.000
I7	454.625	120.000	339.000
I8	526.625	120.000	339.000
I9	598.625	120.000	339.000
J1	69.600	120.000	387.000
J2	94.625	120.000	387.000
J3	166.625	120.000	387.000
J8	526.625	120.000	387.000
J9	598.625	120.000	387.000
K1	57.088	120.000	435.000
K2	94.625	120.000	435.000
K3	166.625	120.000	435.000
K4	238.625	120.000	435.000
K5	310.625	120.000	435.000
K6	382.625	120.000	435.000
K7	454.625	120.000	435.000
K8	526.625	120.000	435.000
K9	598.625	120.000	435.000

L1	44.575	120.000	483.000
L2	94.625	120.000	483.000
L3	166.625	120.000	483.000
L8	526.625	120.000	483.000
L9	598.625	120.000	483.000
M1	32.063	120.000	531.000
M2	94.625	120.000	531.000
M3	166.625	120.000	531.000
M4	238.625	120.000	531.000
M5	310.625	120.000	531.000
M6	382.625	120.000	531.000
M7	454.625	120.000	531.000
M8	526.625	120.000	531.000
M9	598.625	120.000	531.000
N1	23.086	120.000	565.437
N2	94.625	120.000	565.437
N3	166.625	120.000	565.437
N8	526.625	120.000	565.437
N9	598.625	120.000	565.437
O4	238.625	120.000	641.000
O7	454.625	120.000	641.000
P1	0.000	120.000	654.000
P2	94.625	120.000	654.000
P3	166.625	120.000	654.000
P4	238.625	120.000	654.000
P5	310.625	120.000	654.000
P6	382.625	120.000	654.000
P7	454.625	120.000	654.000
P8	526.625	120.000	654.000
P9	598.625	120.000	654.000
E2A	130.625	120.000	162.250
E2B	154.625	120.000	162.250
E3A	178.625	120.000	162.250
E3B	202.625	120.000	162.250
E3C	226.625	120.000	162.250
E4A	250.625	120.000	162.250
E4B	280.625	120.000	162.250
E6A	412.625	120.000	162.250
E6B	442.625	120.000	162.250
E7A	466.625	120.000	162.250
E7B	490.625	120.000	162.250
E7C	514.625	120.000	162.250
E8A	538.625	120.000	162.250
E8B	562.625	120.000	162.250
G2A	109.625	120.000	243.000
G2B	133.625	120.000	243.000
G2C	157.625	120.000	243.000
G3A	181.625	120.000	243.000
G3B	205.625	120.000	243.000
G3C	229.625	120.000	243.000
G4A	264.625	120.000	243.000
G6A	428.625	120.000	243.000
G7A	463.625	120.000	243.000
G7B	487.625	120.000	243.000
G7C	511.625	120.000	243.000
G8A	535.625	120.000	243.000
G8B	559.625	120.000	243.000
G8C	583.625	120.000	243.000
I10	611.137	120.000	339.000
I1A	86.113	120.000	339.000
I2A	110.113	120.000	339.000
I2B	134.113	120.000	339.000
I2C	158.113	120.000	339.000

I3A	182.113	120.000	339.000
I3B	206.113	120.000	339.000
I3C	230.113	120.000	339.000
I4A	250.625	120.000	339.000
I6A	442.625	120.000	339.000
I7A	463.137	120.000	339.000
I7B	487.137	120.000	339.000
I7C	511.137	120.000	339.000
I8A	535.137	120.000	339.000
I8B	559.137	120.000	339.000
I8C	583.137	120.000	339.000
I9A	607.137	120.000	339.000
J10	623.650	120.000	387.000
K10	636.162	120.000	435.000
K1A	61.088	120.000	435.000
K1B	85.088	120.000	435.000
K2A	109.088	120.000	435.000
K2B	133.088	120.000	435.000
K2C	157.088	120.000	435.000
K3A	181.088	120.000	435.000
K3B	212.088	120.000	435.000
K7A	481.162	120.000	435.000
K7B	512.162	120.000	435.000
K8A	536.162	120.000	435.000
K8B	560.162	120.000	435.000
K8C	584.162	120.000	435.000
K9A	608.162	120.000	435.000
K9B	632.162	120.000	435.000
L10	648.675	120.000	483.000
M10	661.187	120.000	531.000
M3A	190.625	120.000	531.000
M7A	502.625	120.000	531.000
N10	670.164	120.000	565.437
N1A	29.086	120.000	565.437
N1B	53.086	120.000	565.437
N1C	77.086	120.000	565.437
N2A	101.086	120.000	565.437
N2B	125.086	120.000	565.437
N2C	149.086	120.000	565.437
N8A	544.164	120.000	565.437
N8B	568.164	120.000	565.437
N8C	592.164	120.000	565.437
N9A	616.164	120.000	565.437
N9B	640.164	120.000	565.437
N9C	664.164	120.000	565.437
P10	693.250	120.000	654.000

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P A T T E R N S

PATTERN JOINT VALUE
DEFAULT

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R E S T R A I N T D A T A

JOINT			
A3	U1	U2	U3
A4	U1	U2	U3
A5	U1	U2	U3
A6	U1	U2	U3
A7	U1	U2	U3
A8	U1	U2	U3
D2	U1	U2	U3
D9	U1	U2	U3

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C O N S T R A I N T D A T A

CONSTR	TYPE	CSYS	AXIS	DEGREES OF FREEDOM
PO4	EQUAL	0		UX
PO7	EQUAL	0		UX

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C O N S T R A I N T D A T A

CONSTR	JOINTS	
PO4		
	O4	P4
PO7		
	O7	P7

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J O I N T M A S S E S

JOINT	U1	U2	U3	R1	R2	R3
D2	0.615E-01	0.615E-01	0.615E-01	0.000E+00	0.000E+00	0.000E+00
D9	0.615E-01	0.615E-01	0.615E-01	0.000E+00	0.000E+00	0.000E+00
E2	0.314E+00	0.314E+00	0.314E+00	0.000E+00	0.000E+00	0.000E+00
E3	0.250E+00	0.250E+00	0.250E+00	0.000E+00	0.000E+00	0.000E+00
E4	0.617E+00	0.617E+00	0.617E+00	0.000E+00	0.000E+00	0.000E+00
E5	0.617E+00	0.617E+00	0.617E+00	0.000E+00	0.000E+00	0.000E+00
E6	0.617E+00	0.617E+00	0.617E+00	0.000E+00	0.000E+00	0.000E+00
E7	0.617E+00	0.617E+00	0.617E+00	0.000E+00	0.000E+00	0.000E+00
E8	0.250E+00	0.250E+00	0.250E+00	0.000E+00	0.000E+00	0.000E+00
E9	0.314E+00	0.314E+00	0.314E+00	0.000E+00	0.000E+00	0.000E+00
F2	0.624E+00	0.624E+00	0.624E+00	0.000E+00	0.000E+00	0.000E+00
F3	0.617E+00	0.617E+00	0.617E+00	0.000E+00	0.000E+00	0.000E+00
F8	0.617E+00	0.617E+00	0.617E+00	0.000E+00	0.000E+00	0.000E+00
F9	0.624E+00	0.624E+00	0.624E+00	0.000E+00	0.000E+00	0.000E+00
G2	0.741E+00	0.741E+00	0.741E+00	0.000E+00	0.000E+00	0.000E+00
G3	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
G4	0.135E+01	0.135E+01	0.135E+01	0.000E+00	0.000E+00	0.000E+00
G5	0.135E+01	0.135E+01	0.135E+01	0.000E+00	0.000E+00	0.000E+00

G6	0.135E+01	0.135E+01	0.135E+01	0.000E+00	0.000E+00	0.000E+00
G7	0.135E+01	0.135E+01	0.135E+01	0.000E+00	0.000E+00	0.000E+00
G8	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
G9	0.741E+00	0.741E+00	0.741E+00	0.000E+00	0.000E+00	0.000E+00
H2	0.899E+00	0.899E+00	0.899E+00	0.000E+00	0.000E+00	0.000E+00
H3	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
H8	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
H9	0.899E+00	0.899E+00	0.899E+00	0.000E+00	0.000E+00	0.000E+00
I1	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
I2	0.367E+00	0.367E+00	0.367E+00	0.000E+00	0.000E+00	0.000E+00
I3	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
I4	0.147E+01	0.147E+01	0.147E+01	0.000E+00	0.000E+00	0.000E+00
I5	0.147E+01	0.147E+01	0.147E+01	0.000E+00	0.000E+00	0.000E+00
I6	0.147E+01	0.147E+01	0.147E+01	0.000E+00	0.000E+00	0.000E+00
I7	0.147E+01	0.147E+01	0.147E+01	0.000E+00	0.000E+00	0.000E+00
I8	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
I9	0.367E+00	0.367E+00	0.367E+00	0.000E+00	0.000E+00	0.000E+00
J1	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
J2	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
J3	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
J8	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
J9	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
K1	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
K2	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
K3	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
K4	0.147E+01	0.147E+01	0.147E+01	0.000E+00	0.000E+00	0.000E+00
K5	0.147E+01	0.147E+01	0.147E+01	0.000E+00	0.000E+00	0.000E+00
K6	0.147E+01	0.147E+01	0.147E+01	0.000E+00	0.000E+00	0.000E+00
K7	0.147E+01	0.147E+01	0.147E+01	0.000E+00	0.000E+00	0.000E+00
K8	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
K9	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
L1	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
L2	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
L3	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
L8	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
L9	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
M1	0.640E+00	0.640E+00	0.640E+00	0.000E+00	0.000E+00	0.000E+00
M2	0.622E+00	0.622E+00	0.622E+00	0.000E+00	0.000E+00	0.000E+00
M3	0.622E+00	0.622E+00	0.622E+00	0.000E+00	0.000E+00	0.000E+00
M4	0.167E+01	0.167E+01	0.167E+01	0.000E+00	0.000E+00	0.000E+00
M5	0.167E+01	0.167E+01	0.167E+01	0.000E+00	0.000E+00	0.000E+00
M6	0.167E+01	0.167E+01	0.167E+01	0.000E+00	0.000E+00	0.000E+00
M7	0.167E+01	0.167E+01	0.167E+01	0.000E+00	0.000E+00	0.000E+00
M8	0.622E+00	0.622E+00	0.622E+00	0.000E+00	0.000E+00	0.000E+00
M9	0.622E+00	0.622E+00	0.622E+00	0.000E+00	0.000E+00	0.000E+00
N1	0.264E+01	0.264E+01	0.264E+01	0.000E+00	0.000E+00	0.000E+00
N2	0.141E+02	0.141E+02	0.141E+02	0.000E+00	0.000E+00	0.000E+00
N3	0.123E+02	0.123E+02	0.123E+02	0.000E+00	0.000E+00	0.000E+00
N8	0.123E+02	0.123E+02	0.123E+02	0.000E+00	0.000E+00	0.000E+00
N9	0.141E+02	0.141E+02	0.141E+02	0.000E+00	0.000E+00	0.000E+00
P1	0.262E+01	0.262E+01	0.262E+01	0.000E+00	0.000E+00	0.000E+00
P2	0.452E+01	0.452E+01	0.452E+01	0.000E+00	0.000E+00	0.000E+00
P3	0.499E+01	0.499E+01	0.499E+01	0.000E+00	0.000E+00	0.000E+00
P4	0.546E+01	0.546E+01	0.546E+01	0.000E+00	0.000E+00	0.000E+00
P5	0.546E+01	0.546E+01	0.546E+01	0.000E+00	0.000E+00	0.000E+00
P6	0.546E+01	0.546E+01	0.546E+01	0.000E+00	0.000E+00	0.000E+00
P7	0.546E+01	0.546E+01	0.546E+01	0.000E+00	0.000E+00	0.000E+00
P8	0.499E+01	0.499E+01	0.499E+01	0.000E+00	0.000E+00	0.000E+00
P9	0.499E+01	0.499E+01	0.499E+01	0.000E+00	0.000E+00	0.000E+00
E2A	0.159E+00	0.159E+00	0.159E+00	0.000E+00	0.000E+00	0.000E+00
E2B	0.273E+00	0.273E+00	0.273E+00	0.000E+00	0.000E+00	0.000E+00
E3A	0.238E+00	0.238E+00	0.238E+00	0.000E+00	0.000E+00	0.000E+00
E3B	0.238E+00	0.238E+00	0.238E+00	0.000E+00	0.000E+00	0.000E+00

E3C	0.203E+00	0.203E+00	0.203E+00	0.000E+00	0.000E+00	0.000E+00
E4A	0.203E+00	0.203E+00	0.203E+00	0.000E+00	0.000E+00	0.000E+00
E4B	0.201E+00	0.201E+00	0.201E+00	0.000E+00	0.000E+00	0.000E+00
E6A	0.201E+00	0.201E+00	0.201E+00	0.000E+00	0.000E+00	0.000E+00
E6B	0.203E+00	0.203E+00	0.203E+00	0.000E+00	0.000E+00	0.000E+00
E7A	0.203E+00	0.203E+00	0.203E+00	0.000E+00	0.000E+00	0.000E+00
E7B	0.238E+00	0.238E+00	0.238E+00	0.000E+00	0.000E+00	0.000E+00
E7C	0.238E+00	0.238E+00	0.238E+00	0.000E+00	0.000E+00	0.000E+00
E8A	0.273E+00	0.273E+00	0.273E+00	0.000E+00	0.000E+00	0.000E+00
E8B	0.159E+00	0.159E+00	0.159E+00	0.000E+00	0.000E+00	0.000E+00
G2A	0.349E+00	0.349E+00	0.349E+00	0.000E+00	0.000E+00	0.000E+00
G2B	0.598E+00	0.598E+00	0.598E+00	0.000E+00	0.000E+00	0.000E+00
G2C	0.521E+00	0.521E+00	0.521E+00	0.000E+00	0.000E+00	0.000E+00
G3A	0.521E+00	0.521E+00	0.521E+00	0.000E+00	0.000E+00	0.000E+00
G3B	0.444E+00	0.444E+00	0.444E+00	0.000E+00	0.000E+00	0.000E+00
G3C	0.444E+00	0.444E+00	0.444E+00	0.000E+00	0.000E+00	0.000E+00
G4A	0.295E+00	0.295E+00	0.295E+00	0.000E+00	0.000E+00	0.000E+00
G6A	0.295E+00	0.295E+00	0.295E+00	0.000E+00	0.000E+00	0.000E+00
G7A	0.444E+00	0.444E+00	0.444E+00	0.000E+00	0.000E+00	0.000E+00
G7B	0.444E+00	0.444E+00	0.444E+00	0.000E+00	0.000E+00	0.000E+00
G7C	0.521E+00	0.521E+00	0.521E+00	0.000E+00	0.000E+00	0.000E+00
G8A	0.521E+00	0.521E+00	0.521E+00	0.000E+00	0.000E+00	0.000E+00
G8B	0.598E+00	0.598E+00	0.598E+00	0.000E+00	0.000E+00	0.000E+00
G8C	0.349E+00	0.349E+00	0.349E+00	0.000E+00	0.000E+00	0.000E+00
I10	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
I1A	0.379E+00	0.379E+00	0.379E+00	0.000E+00	0.000E+00	0.000E+00
I2A	0.650E+00	0.650E+00	0.650E+00	0.000E+00	0.000E+00	0.000E+00
I2B	0.566E+00	0.566E+00	0.566E+00	0.000E+00	0.000E+00	0.000E+00
I2C	0.566E+00	0.566E+00	0.566E+00	0.000E+00	0.000E+00	0.000E+00
I3A	0.483E+00	0.483E+00	0.483E+00	0.000E+00	0.000E+00	0.000E+00
I3B	0.483E+00	0.483E+00	0.483E+00	0.000E+00	0.000E+00	0.000E+00
I3C	0.161E+00	0.161E+00	0.161E+00	0.000E+00	0.000E+00	0.000E+00
I4A	0.161E+00	0.161E+00	0.161E+00	0.000E+00	0.000E+00	0.000E+00
I6A	0.161E+00	0.161E+00	0.161E+00	0.000E+00	0.000E+00	0.000E+00
I7A	0.161E+00	0.161E+00	0.161E+00	0.000E+00	0.000E+00	0.000E+00
I7B	0.483E+00	0.483E+00	0.483E+00	0.000E+00	0.000E+00	0.000E+00
I7C	0.483E+00	0.483E+00	0.483E+00	0.000E+00	0.000E+00	0.000E+00
I8A	0.566E+00	0.566E+00	0.566E+00	0.000E+00	0.000E+00	0.000E+00
I8B	0.566E+00	0.566E+00	0.566E+00	0.000E+00	0.000E+00	0.000E+00
I8C	0.650E+00	0.650E+00	0.650E+00	0.000E+00	0.000E+00	0.000E+00
I9A	0.379E+00	0.379E+00	0.379E+00	0.000E+00	0.000E+00	0.000E+00
J10	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
K10	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
K1A	0.445E+00	0.445E+00	0.445E+00	0.000E+00	0.000E+00	0.000E+00
K1B	0.763E+00	0.763E+00	0.763E+00	0.000E+00	0.000E+00	0.000E+00
K2A	0.665E+00	0.665E+00	0.665E+00	0.000E+00	0.000E+00	0.000E+00
K2B	0.665E+00	0.665E+00	0.665E+00	0.000E+00	0.000E+00	0.000E+00
K2C	0.567E+00	0.567E+00	0.567E+00	0.000E+00	0.000E+00	0.000E+00
K3A	0.567E+00	0.567E+00	0.567E+00	0.000E+00	0.000E+00	0.000E+00
K3B	0.377E+00	0.377E+00	0.377E+00	0.000E+00	0.000E+00	0.000E+00
K7A	0.377E+00	0.377E+00	0.377E+00	0.000E+00	0.000E+00	0.000E+00
K7B	0.567E+00	0.567E+00	0.567E+00	0.000E+00	0.000E+00	0.000E+00
K8A	0.567E+00	0.567E+00	0.567E+00	0.000E+00	0.000E+00	0.000E+00
K8B	0.665E+00	0.665E+00	0.665E+00	0.000E+00	0.000E+00	0.000E+00
K8C	0.665E+00	0.665E+00	0.665E+00	0.000E+00	0.000E+00	0.000E+00
K9A	0.763E+00	0.763E+00	0.763E+00	0.000E+00	0.000E+00	0.000E+00
K9B	0.445E+00	0.445E+00	0.445E+00	0.000E+00	0.000E+00	0.000E+00
L10	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
M10	0.640E+00	0.640E+00	0.640E+00	0.000E+00	0.000E+00	0.000E+00
M3A	0.216E+00	0.216E+00	0.216E+00	0.000E+00	0.000E+00	0.000E+00
M7A	0.216E+00	0.216E+00	0.216E+00	0.000E+00	0.000E+00	0.000E+00
N10	0.264E+01	0.264E+01	0.264E+01	0.000E+00	0.000E+00	0.000E+00
N1A	0.255E+00	0.255E+00	0.255E+00	0.000E+00	0.000E+00	0.000E+00

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     N1B  0.438E+00  0.438E+00  0.438E+00  0.000E+00  0.000E+00  0.000E+00
     N1C  0.382E+00  0.382E+00  0.382E+00  0.000E+00  0.000E+00  0.000E+00
     N2A  0.382E+00  0.382E+00  0.382E+00  0.000E+00  0.000E+00  0.000E+00
     N2B  0.325E+00  0.325E+00  0.325E+00  0.000E+00  0.000E+00  0.000E+00
     N2C  0.325E+00  0.325E+00  0.325E+00  0.000E+00  0.000E+00  0.000E+00
     N8A  0.325E+00  0.325E+00  0.325E+00  0.000E+00  0.000E+00  0.000E+00
     N8B  0.325E+00  0.325E+00  0.325E+00  0.000E+00  0.000E+00  0.000E+00
     N8C  0.382E+00  0.382E+00  0.382E+00  0.000E+00  0.000E+00  0.000E+00
     N9A  0.382E+00  0.382E+00  0.382E+00  0.000E+00  0.000E+00  0.000E+00
     N9B  0.438E+00  0.438E+00  0.438E+00  0.000E+00  0.000E+00  0.000E+00
     N9C  0.255E+00  0.255E+00  0.255E+00  0.000E+00  0.000E+00  0.000E+00
     P10  0.309E+01  0.309E+01  0.309E+01  0.000E+00  0.000E+00  0.000E+00


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 J O I N T   S P R I N G S

   JOINT
       3             U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

   JOINT
       4             U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

   JOINT
      A3             U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

   JOINT
      A4             U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

   JOINT
      A5             U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

   JOINT
      A6             U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

   JOINT
      A7             U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

   JOINT
      A8             U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

   JOINT
      B3             U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

   JOINT
      B4             U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00

   JOINT
      B5             U1         U2         U3         R1         R2         R3
         R2                                                   0.100E+01  0.000E+00
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JOINT
   B6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   B7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   B8              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00

JOINT
   C3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   C4              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00

JOINT
   C7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   C8              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00

JOINT
   D2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   D3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   D4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   D5              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   D6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   D7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   D8              U1         U2         U3         R1         R2         R3
       U1   0.100E+01  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00

JOINT
   D9              U1         U2         U3         R1         R2         R3
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        R2                                                  0.100E+01  0.000E+00

JOINT
   E2              U1         U2         U3         R1         R2         R3
        U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   E3              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   E4              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   E5              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   E6              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   E7              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   E8              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   E9              U1         U2         U3         R1         R2         R3
        U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   F2              U1         U2         U3         R1         R2         R3
        U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   F3              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   F8              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   F9              U1         U2         U3         R1         R2         R3
        U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   G2              U1         U2         U3         R1         R2         R3
        U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
   G3              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00
```

```
JOINT
   G4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   G5              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   G6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   G7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   G8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   G9              U1         U2         U3         R1         R2         R3
       U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00

JOINT
   H2              U1         U2         U3         R1         R2         R3
       U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00

JOINT
   H3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   H8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   H9              U1         U2         U3         R1         R2         R3
       U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00

JOINT
   I1              U1         U2         U3         R1         R2         R3
       U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00

JOINT
   I2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   I3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   I4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   I5              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00
```

```
JOINT
   I6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   I7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   I8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   I9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   J1              U1         U2         U3         R1         R2         R3
       U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00

JOINT
   J2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   J3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   J8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   J9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K1              U1         U2         U3         R1         R2         R3
       U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00

JOINT
   K2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K5              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00
```

```
JOINT
   K7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   L1              U1         U2         U3         R1         R2         R3
       U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00

JOINT
   L2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   L3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   L8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   L9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   M1              U1         U2         U3         R1         R2         R3
       U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00

JOINT
   M2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   M3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   M4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   M5              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   M6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   M7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
```

```
   M8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   M9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   N1              U1         U2         U3         R1         R2         R3
       U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00

JOINT
   N2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   N3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   N8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   N9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   O4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   O7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P1              U1         U2         U3         R1         R2         R3
       U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00

JOINT
   P2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P5              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P7              U1         U2         U3         R1         R2         R3
```

```
        R2                                                  0.100E+01  0.000E+00

JOINT
   P8               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   P9               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  E2A               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  E2B               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  E3A               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  E3B               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  E3C               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  E4A               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  E4B               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  E6A               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  E6B               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  E7A               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  E7B               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  E7C               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  E8A               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
```

```
  E8B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G2A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G2B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G2C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G3A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G3B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G3C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G4A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G6A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G7A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G7B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G7C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G8A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G8B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G8C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I10              U1         U2         U3         R1         R2         R3
       U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00
```

```
JOINT
  I1A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I2A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I2B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I2C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I3A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I3B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I3C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I4A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I6A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I7A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I7B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I7C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I8A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I8B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I8C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I9A              U1         U2         U3         R1         R2         R3
```

```
        R2                                                  0.100E+01  0.000E+00

JOINT
  J10               U1         U2         U3         R1         R2         R3
        U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
  K10               U1         U2         U3         R1         R2         R3
        U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                  0.100E+01  0.000E+00

JOINT
  K1A               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  K1B               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  K2A               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  K2B               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  K2C               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  K3A               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  K3B               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  K7A               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  K7B               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  K8A               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  K8B               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  K8C               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  K9A               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00
```

```
JOINT
  K9B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  L10              U1         U2         U3         R1         R2         R3
       U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00

JOINT
  M10              U1         U2         U3         R1         R2         R3
       U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00

JOINT
  M3A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  M7A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N10              U1         U2         U3         R1         R2         R3
       U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
       R2                                                   0.100E+01  0.000E+00

JOINT
  N1A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N1B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N1C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N2A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N2B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N2C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N8A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N8B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  N8C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00
```

```
  JOINT
    N9A              U1         U2         U3         R1         R2         R3
        R2                                                   0.100E+01  0.000E+00

  JOINT
    N9B              U1         U2         U3         R1         R2         R3
        R2                                                   0.100E+01  0.000E+00

  JOINT
    N9C              U1         U2         U3         R1         R2         R3
        R2                                                   0.100E+01  0.000E+00

  JOINT
    P10              U1         U2         U3         R1         R2         R3
        U1   0.100E+03  0.000E+00  0.000E+00  0.000E+00  0.000E+00  0.000E+00
        R2                                                   0.100E+01  0.000E+00
```

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 9
PROGRAM:SAP2000/FILE:\PartitionBentDL.EKO

M A T E R I A L P R O P E R T Y D A T A

MAT LABEL	NUMBER TEMPS	WEIGHT PER UNIT VOL	MASS PER UNIT VOL	DESIGN CODE
STEEL	1	0.2830E+00	0.7324E-03	S
CONC	1	0.8680E-01	0.2246E-03	C
OTHER	1	0.8680E-01	0.2246E-03	N
WOOD	1	0.1852E-01	0.4793E-04	N

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 10
PROGRAM:SAP2000/FILE:\PartitionBentDL.EKO

T E M P E R A T U R E D E P E N D E N T D A T A

MATERIAL PROPERTIES

MAT LABEL	TEMP	MODULUS OF ELASTICITY E1	E2	E3	SHEAR MODULII G12	G13	G23
STEEL	0.00	0.290E+08	0.290E+08	0.290E+08	0.112E+08	0.112E+08	0.112E+08
CONC	0.00	0.360E+07	0.360E+07	0.360E+07	0.150E+07	0.150E+07	0.150E+07
OTHER	0.00	0.360E+07	0.360E+07	0.360E+07	0.150E+07	0.150E+07	0.150E+07
WOOD	0.00	0.140E+07	0.140E+07	0.140E+07	0.538E+06	0.538E+06	0.538E+06

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T E M P E R A T U R E D E P E N D E N T D A T A

THERMAL EXPANSION COEFFICIENTS

MAT TEMP COEFFICIENTS OF THERMAL EXPANSION

LABEL		A1	A2	A3	A12	A13	A23
STEEL	0.00	0.650E-05	0.650E-05	0.650E-05	0.000E+00	0.000E+00	0.000E+00
CONC	0.00	0.550E-05	0.550E-05	0.550E-05	0.000E+00	0.000E+00	0.000E+00
OTHER	0.00	0.550E-05	0.550E-05	0.550E-05	0.000E+00	0.000E+00	0.000E+00
WOOD	0.00	0.650E-05	0.650E-05	0.650E-05	0.000E+00	0.000E+00	0.000E+00

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T E M P E R A T U R E D E P E N D E N T D A T A

MATERIAL PROPERTIES

MAT LABEL	TEMP	U12	U13	U23	U14	U24	U34	U15	U25	U35	U45	U16	U26	U36	U46	U56
		POISSONS RATIO														
STEEL	0.00	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CONC	0.00	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER	0.00	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WOOD	0.00	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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MATERIAL PROPERTIES

MAT LABEL	TEMP	YIELD FY
CONC	0.00	36.00

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	SHAPE TYPE	DEPTH	FLANGE WIDTH TOP	FLANGE THICK TOP	WEB THICK	FLANGE WIDTH BOTTOM	FLANGE THICK BOTTOM
4X4	R	3.500	3.500				
2X2X4	R	3.500	3.000				
2X2X6	R	5.500	3.000				
4X6	R	5.500	3.500				
2X4X4	R	7.000	3.500				

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	AXIAL AREA	TORSIONAL CONSTANT	MOMENTS OF INERTIA I33	I22	SHEAR AREAS A2	A3
4X4	0.123E+02	0.211E+02	0.125E+02	0.125E+02	0.102E+02	0.102E+02
2X2X4	0.105E+02	0.153E+02	0.107E+02	0.788E+01	0.875E+01	0.875E+01
2X2X6	0.165E+02	0.326E+02	0.416E+02	0.124E+02	0.138E+02	0.138E+02
4X6	0.193E+02	0.475E+02	0.485E+02	0.197E+02	0.160E+02	0.160E+02
2X4X4	0.245E+02	0.687E+02	0.100E+03	0.250E+02	0.204E+02	0.204E+02

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	MAT LABEL	ADDITIONAL MASS PER LENGTH	ADDITIONAL WEIGHT PER LENGTH
4X4	WOOD	0.000E+00	0.000E+00
2X2X4	WOOD	0.000E+00	0.000E+00
2X2X6	WOOD	0.000E+00	0.000E+00
4X6	WOOD	0.000E+00	0.000E+00
2X4X4	WOOD	0.000E+00	0.000E+00

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F R A M E E L E M E N T D A T A

ELEMENT LABEL	JOINT END-I	JOINT END-J	ELEMENT LENGTH	END-OFFSET-LENGTHS END-I	END-J	RIGID-END FACTOR	NUMBER OF SEGMENTS
1	N1	P1	91.522	0.000	0.000	0.0000	2
2	M1	N1	35.588	0.000	0.000	0.0000	2
3	L1	M1	49.604	0.000	0.000	0.0000	2
4	P1	P2	94.625	0.000	0.000	0.0000	4
5	K1	L1	49.604	0.000	0.000	0.0000	2
6	I6	I6A	60.000	0.000	0.000	0.0000	4
7	J1	K1	49.604	0.000	0.000	0.0000	2
8	M2	M1	62.562	0.000	0.000	0.0000	4
9	L2	L1	50.050	0.000	0.000	0.0000	4
10	I1	J1	49.604	0.000	0.000	0.0000	2
11	I6A	I7	12.000	0.000	0.000	0.0000	4
12	J2	J1	25.025	0.000	0.000	0.0000	4
13	H2	I1	49.604	0.000	0.000	0.0000	2
14	I7A	I7B	24.000	0.000	0.000	0.0000	4
15	D2	E2	15.750	0.000	0.000	0.0000	2
16	E2	F2	32.750	0.000	0.000	0.0000	2
17	F2	G2	48.000	0.000	0.000	0.0000	2
18	G2	H2	48.000	0.000	0.000	0.0000	2
19	H2	I2	48.000	0.000	0.000	0.0000	2
20	I2	J2	48.000	0.000	0.000	0.0000	2
21	J2	K2	48.000	0.000	0.000	0.0000	2
22	K2	L2	48.000	0.000	0.000	0.0000	2
23	L2	M2	48.000	0.000	0.000	0.0000	2
24	M2	N2	34.437	0.000	0.000	0.0000	2

25	N2	P2	88.563	0.000	0.000	0.0000	2
26	M2	3	39.906	0.000	0.000	0.0000	2
27	N2	3	39.906	0.000	0.000	0.0000	2
28	I7B	I7C	24.000	0.000	0.000	0.0000	4
29	E3	F2	79.098	0.000	0.000	0.0000	2
31	F2	F3	72.000	0.000	0.000	0.0000	4
32	I7C	I8	15.488	0.000	0.000	0.0000	4
33	G2	H3	86.533	0.000	0.000	0.0000	2
34	H2	H3	72.000	0.000	0.000	0.0000	4
35	K3A	K3B	31.000	0.000	0.000	0.0000	4
36	I2	J3	86.533	0.000	0.000	0.0000	2
37	J2	J3	72.000	0.000	0.000	0.0000	4
38	K3B	K4	26.537	0.000	0.000	0.0000	4
39	K2	L3	86.533	0.000	0.000	0.0000	2
40	L2	L3	72.000	0.000	0.000	0.0000	4
41	M2	M3	72.000	0.000	0.000	0.0000	4
42	K7	K7A	26.537	0.000	0.000	0.0000	4
43	P2	P3	72.000	0.000	0.000	0.0000	4
44	3	M3	39.906	0.000	0.000	0.0000	2
45	3	N3	39.906	0.000	0.000	0.0000	2
46	A3	B3	50.500	0.000	0.000	0.0000	2
47	B3	C3	48.000	0.000	0.000	0.0000	2
48	C3	D3	48.000	0.000	0.000	0.0000	2
49	D3	E3	15.750	0.000	0.000	0.0000	2
50	E3	F3	32.750	0.000	0.000	0.0000	2
51	F3	G3	48.000	0.000	0.000	0.0000	2
52	G3	H3	48.000	0.000	0.000	0.0000	2
53	H3	I3	48.000	0.000	0.000	0.0000	2
54	I3	J3	48.000	0.000	0.000	0.0000	2
55	J3	K3	48.000	0.000	0.000	0.0000	2
56	K3	L3	48.000	0.000	0.000	0.0000	2
57	L3	M3	48.000	0.000	0.000	0.0000	2
58	M3	N3	34.437	0.000	0.000	0.0000	2
59	N3	P3	88.563	0.000	0.000	0.0000	2
61	B3	B4	72.000	0.000	0.000	0.0000	4
62	C3	C4	72.000	0.000	0.000	0.0000	4
63	D3	D4	72.000	0.000	0.000	0.0000	4
64	K7A	K7B	31.000	0.000	0.000	0.0000	4
65	M3	M3A	24.000	0.000	0.000	0.0000	4
67	M3A	M4	48.000	0.000	0.000	0.0000	4
68	M7	M7A	48.000	0.000	0.000	0.0000	4
69	M7A	M8	24.000	0.000	0.000	0.0000	4
71	P3	P4	72.000	0.000	0.000	0.0000	4
72	A4	B4	50.500	0.000	0.000	0.0000	2
73	B4	C4	48.000	0.000	0.000	0.0000	2
74	C4	D4	48.000	0.000	0.000	0.0000	2
75	D4	E4	15.750	0.000	0.000	0.0000	2
76	E4	G4	80.750	0.000	0.000	0.0000	2
77	G4	I4	96.000	0.000	0.000	0.0000	2
78	I4	K4	96.000	0.000	0.000	0.0000	2
79	K4	M4	96.000	0.000	0.000	0.0000	2
80	M4	O4	110.000	0.000	0.000	0.0000	2
81	O4	P4	13.000	0.000	0.000	0.0000	2
82	B4	B5	72.000	0.000	0.000	0.0000	4
84	D4	D5	72.000	0.000	0.000	0.0000	4
90	K4	K5	72.000	0.000	0.000	0.0000	4
91	M4	M5	72.000	0.000	0.000	0.0000	4
93	P4	P5	72.000	0.000	0.000	0.0000	4
94	A5	B5	50.500	0.000	0.000	0.0000	2
95	B5	D5	96.000	0.000	0.000	0.0000	2
96	D5	E5	15.750	0.000	0.000	0.0000	2
97	E5	G5	80.750	0.000	0.000	0.0000	2
98	G5	I5	96.000	0.000	0.000	0.0000	2

99	I5	K5	96.000	0.000	0.000	0.0000	2
100	K5	M5	96.000	0.000	0.000	0.0000	2
101	M5	P5	123.000	0.000	0.000	0.0000	2
106	B5	B6	72.000	0.000	0.000	0.0000	4
107	D5	D6	72.000	0.000	0.000	0.0000	4
108	E5	E6	72.000	0.000	0.000	0.0000	4
109	G5	G6	72.000	0.000	0.000	0.0000	4
110	I5	I6	72.000	0.000	0.000	0.0000	4
111	K5	K6	72.000	0.000	0.000	0.0000	4
112	M5	M6	72.000	0.000	0.000	0.0000	4
113	P5	P6	72.000	0.000	0.000	0.0000	4
118	A6	B6	50.500	0.000	0.000	0.0000	2
119	B6	D6	96.000	0.000	0.000	0.0000	2
120	D6	E6	15.750	0.000	0.000	0.0000	2
121	E6	G6	80.750	0.000	0.000	0.0000	2
122	G6	I6	96.000	0.000	0.000	0.0000	2
123	I6	K6	96.000	0.000	0.000	0.0000	2
124	K6	M6	96.000	0.000	0.000	0.0000	2
125	M6	P6	123.000	0.000	0.000	0.0000	2
126	B6	B7	72.000	0.000	0.000	0.0000	4
128	D6	D7	72.000	0.000	0.000	0.0000	4
134	K6	K7	72.000	0.000	0.000	0.0000	4
135	M6	M7	72.000	0.000	0.000	0.0000	4
137	P6	P7	72.000	0.000	0.000	0.0000	4
138	A7	B7	50.500	0.000	0.000	0.0000	2
139	B7	C7	48.000	0.000	0.000	0.0000	2
140	C7	D7	48.000	0.000	0.000	0.0000	2
141	D7	E7	15.750	0.000	0.000	0.0000	2
142	E7	G7	80.750	0.000	0.000	0.0000	2
143	G7	I7	96.000	0.000	0.000	0.0000	2
144	I7	K7	96.000	0.000	0.000	0.0000	2
145	K7	M7	96.000	0.000	0.000	0.0000	2
146	M7	O7	110.000	0.000	0.000	0.0000	2
147	O7	P7	13.000	0.000	0.000	0.0000	2
149	B7	B8	72.000	0.000	0.000	0.0000	4
150	C7	C8	72.000	0.000	0.000	0.0000	4
151	D7	D8	72.000	0.000	0.000	0.0000	4
159	P7	P8	72.000	0.000	0.000	0.0000	4
160	A8	B8	50.500	0.000	0.000	0.0000	2
161	B8	C8	48.000	0.000	0.000	0.0000	2
162	C8	D8	48.000	0.000	0.000	0.0000	2
163	D8	E8	15.750	0.000	0.000	0.0000	2
164	E8	F8	32.750	0.000	0.000	0.0000	2
165	F8	G8	48.000	0.000	0.000	0.0000	2
166	G8	H8	48.000	0.000	0.000	0.0000	2
167	H8	I8	48.000	0.000	0.000	0.0000	2
168	I8	J8	48.000	0.000	0.000	0.0000	2
169	J8	K8	48.000	0.000	0.000	0.0000	2
170	K8	L8	48.000	0.000	0.000	0.0000	2
171	L8	M8	48.000	0.000	0.000	0.0000	2
172	M8	N8	34.437	0.000	0.000	0.0000	2
173	N8	P8	88.563	0.000	0.000	0.0000	2
174	M8	4	39.906	0.000	0.000	0.0000	2
175	N8	4	39.906	0.000	0.000	0.0000	2
177	E8	F9	79.098	0.000	0.000	0.0000	2
179	F8	F9	72.000	0.000	0.000	0.0000	4
181	H8	G9	86.533	0.000	0.000	0.0000	2
182	H8	H9	72.000	0.000	0.000	0.0000	4
184	J8	I9	86.533	0.000	0.000	0.0000	2
185	J8	J9	72.000	0.000	0.000	0.0000	4
187	L8	K9	86.533	0.000	0.000	0.0000	2
188	L8	L9	72.000	0.000	0.000	0.0000	4
189	M8	M9	72.000	0.000	0.000	0.0000	4

191	P8	P9	72.000	0.000	0.000	0.0000	4
192	4	M9	39.906	0.000	0.000	0.0000	2
193	4	N9	39.906	0.000	0.000	0.0000	2
194	D9	E9	15.750	0.000	0.000	0.0000	2
195	E9	F9	32.750	0.000	0.000	0.0000	2
196	F9	G9	48.000	0.000	0.000	0.0000	2
197	G9	H9	48.000	0.000	0.000	0.0000	2
198	H9	I9	48.000	0.000	0.000	0.0000	2
199	I9	J9	48.000	0.000	0.000	0.0000	2
200	J9	K9	48.000	0.000	0.000	0.0000	2
201	K9	L9	48.000	0.000	0.000	0.0000	2
202	L9	M9	48.000	0.000	0.000	0.0000	2
203	M9	N9	34.437	0.000	0.000	0.0000	2
204	N9	P9	88.563	0.000	0.000	0.0000	2
205	H9	I10	49.604	0.000	0.000	0.0000	2
207	J9	J10	25.025	0.000	0.000	0.0000	4
208	I10	J10	49.604	0.000	0.000	0.0000	2
210	L9	L10	50.050	0.000	0.000	0.0000	4
211	J10	K10	49.604	0.000	0.000	0.0000	2
212	M9	M10	62.562	0.000	0.000	0.0000	4
214	K10	L10	49.604	0.000	0.000	0.0000	2
215	P9	P10	94.625	0.000	0.000	0.0000	4
216	L10	M10	49.604	0.000	0.000	0.0000	2
217	M10	N10	35.588	0.000	0.000	0.0000	2
218	N10	P10	91.522	0.000	0.000	0.0000	2
219	N2	N1C	17.539	0.000	0.000	0.0000	4
220	N1C	N1B	24.000	0.000	0.000	0.0000	4
221	N1B	N1A	24.000	0.000	0.000	0.0000	4
222	N1A	N1	6.000	0.000	0.000	0.0000	4
223	K2	K1B	9.537	0.000	0.000	0.0000	4
224	K1B	K1A	24.000	0.000	0.000	0.0000	4
225	K1A	K1	4.000	0.000	0.000	0.0000	4
226	I2	I1A	8.512	0.000	0.000	0.0000	4
227	I1A	I1	4.000	0.000	0.000	0.0000	4
228	E2	E2A	36.000	0.000	0.000	0.0000	4
229	E2A	E2B	24.000	0.000	0.000	0.0000	4
230	E2B	E3	12.000	0.000	0.000	0.0000	4
231	G2	G2A	15.000	0.000	0.000	0.0000	4
232	G2A	G2B	24.000	0.000	0.000	0.0000	4
233	G2B	G2C	24.000	0.000	0.000	0.0000	4
234	G2C	G3	9.000	0.000	0.000	0.0000	4
235	I2	I2A	15.488	0.000	0.000	0.0000	4
236	I2A	I2B	24.000	0.000	0.000	0.0000	4
237	I2B	I2C	24.000	0.000	0.000	0.0000	4
238	I2C	I3	8.512	0.000	0.000	0.0000	4
239	K2	K2A	14.463	0.000	0.000	0.0000	4
240	K2A	K2B	24.000	0.000	0.000	0.0000	4
241	K2B	K2C	24.000	0.000	0.000	0.0000	4
242	K2C	K3	9.537	0.000	0.000	0.0000	4
243	N2	N2A	6.461	0.000	0.000	0.0000	4
244	N2A	N2B	24.000	0.000	0.000	0.0000	4
245	N2B	N2C	24.000	0.000	0.000	0.0000	4
246	N2C	N3	17.539	0.000	0.000	0.0000	4
247	E3	E3A	12.000	0.000	0.000	0.0000	4
248	E3A	E3B	24.000	0.000	0.000	0.0000	4
249	E3B	E3C	24.000	0.000	0.000	0.0000	4
250	E3C	E4	12.000	0.000	0.000	0.0000	4
251	G3	G3A	15.000	0.000	0.000	0.0000	4
252	G3A	G3B	24.000	0.000	0.000	0.0000	4
253	G3B	G3C	24.000	0.000	0.000	0.0000	4
254	G3C	G4	9.000	0.000	0.000	0.0000	4
255	I3	I3A	15.488	0.000	0.000	0.0000	4
256	I3A	I3B	24.000	0.000	0.000	0.0000	4

257	I3B	I3C	24.000	0.000	0.000	0.0000	4
258	I3C	I4	8.512	0.000	0.000	0.0000	4
259	K3	K3A	14.463	0.000	0.000	0.0000	4
261	E4	E4A	12.000	0.000	0.000	0.0000	4
262	E4A	E4B	30.000	0.000	0.000	0.0000	4
263	E4B	E5	30.000	0.000	0.000	0.0000	4
264	G4	G4A	26.000	0.000	0.000	0.0000	4
265	G4A	G5	46.000	0.000	0.000	0.0000	4
266	I4	I4A	12.000	0.000	0.000	0.0000	4
267	I4A	I5	60.000	0.000	0.000	0.0000	4
268	E6	E6A	30.000	0.000	0.000	0.0000	4
269	E6A	E6B	30.000	0.000	0.000	0.0000	4
270	E6B	E7	12.000	0.000	0.000	0.0000	4
271	G6	G6A	46.000	0.000	0.000	0.0000	4
272	G6A	G7	26.000	0.000	0.000	0.0000	4
273	E7	E7A	12.000	0.000	0.000	0.0000	4
274	E7A	E7B	24.000	0.000	0.000	0.0000	4
275	E7B	E7C	24.000	0.000	0.000	0.0000	4
276	E7C	E8	12.000	0.000	0.000	0.0000	4
277	G7	G7A	9.000	0.000	0.000	0.0000	4
278	G7A	G7B	24.000	0.000	0.000	0.0000	4
279	G7B	G7C	24.000	0.000	0.000	0.0000	4
280	G7C	G8	15.000	0.000	0.000	0.0000	4
281	I7	I7A	8.512	0.000	0.000	0.0000	4
284	K7B	K8	14.463	0.000	0.000	0.0000	4
285	E8	E8A	12.000	0.000	0.000	0.0000	4
286	E8A	E8B	24.000	0.000	0.000	0.0000	4
287	E8B	E9	36.000	0.000	0.000	0.0000	4
288	G8	G8A	9.000	0.000	0.000	0.0000	4
289	G8A	G8B	24.000	0.000	0.000	0.0000	4
290	G8B	G8C	24.000	0.000	0.000	0.0000	4
291	G8C	G9	15.000	0.000	0.000	0.0000	4
292	I8	I8A	8.512	0.000	0.000	0.0000	4
293	I8A	I8B	24.000	0.000	0.000	0.0000	4
294	I8B	I8C	24.000	0.000	0.000	0.0000	4
295	I8C	I9	15.488	0.000	0.000	0.0000	4
296	K8	K8A	9.537	0.000	0.000	0.0000	4
297	K8A	K8B	24.000	0.000	0.000	0.0000	4
298	K8B	K8C	24.000	0.000	0.000	0.0000	4
299	K8C	K9	14.463	0.000	0.000	0.0000	4
300	N8	N8A	17.539	0.000	0.000	0.0000	4
301	N8A	N8B	24.000	0.000	0.000	0.0000	4
302	N8B	N8C	24.000	0.000	0.000	0.0000	4
303	N8C	N9	6.461	0.000	0.000	0.0000	4
304	I9	I9A	8.512	0.000	0.000	0.0000	4
305	I9A	I10	4.000	0.000	0.000	0.0000	4
306	K9	K9A	9.537	0.000	0.000	0.0000	4
307	K9A	K9B	24.000	0.000	0.000	0.0000	4
308	K9B	K10	4.000	0.000	0.000	0.0000	4
309	N9	N9A	17.539	0.000	0.000	0.0000	4
310	N9A	N9B	24.000	0.000	0.000	0.0000	4
311	N9B	N9C	24.000	0.000	0.000	0.0000	4
312	N9C	N10	6.000	0.000	0.000	0.0000	4

F R A M E E L E M E N T D A T A

ELEMENT LABEL	SECTION LABEL	LOCAL PLANE	COORD SYSTEM	PLN 1ST	PLN 2ND	PLANE JOINTA	PLANE JOINTB	COORD ANGLE

1	2X2X4	12	0	+Z	+X	0	0	0.00
2	2X2X4	12	0	+Z	+X	0	0	0.00
3	2X2X4	12	0	+Z	+X	0	0	0.00
4	2X2X6	12	0	+Z	+X	0	0	0.00
5	2X2X4	12	0	+Z	+X	0	0	0.00
6	2X2X4	12	0	+Z	+X	0	0	0.00
7	2X2X4	12	0	+Z	+X	0	0	0.00
8	2X2X4	12	0	+Z	+X	0	0	0.00
9	2X2X4	12	0	+Z	+X	0	0	0.00
10	2X2X4	12	0	+Z	+X	0	0	0.00
11	2X2X4	12	0	+Z	+X	0	0	0.00
12	2X2X4	12	0	+Z	+X	0	0	0.00
13	2X2X4	12	0	+Z	+X	0	0	0.00
14	2X2X4	12	0	+Z	+X	0	0	0.00
15	2X4X4	12	0	+Z	+X	0	0	0.00
16	2X4X4	12	0	+Z	+X	0	0	0.00
17	2X4X4	12	0	+Z	+X	0	0	0.00
18	2X4X4	12	0	+Z	+X	0	0	0.00
19	4X4	12	0	+Z	+X	0	0	0.00
20	4X4	12	0	+Z	+X	0	0	0.00
21	4X4	12	0	+Z	+X	0	0	0.00
22	4X4	12	0	+Z	+X	0	0	0.00
23	4X4	12	0	+Z	+X	0	0	0.00
24	4X4	12	0	+Z	+X	0	0	0.00
25	4X4	12	0	+Z	+X	0	0	0.00
26	4X4	12	0	+Z	+X	0	0	0.00
27	4X4	12	0	+Z	+X	0	0	0.00
28	2X2X4	12	0	+Z	+X	0	0	0.00
29	2X2X4	12	0	+Z	+X	0	0	0.00
31	2X2X4	12	0	+Z	+X	0	0	0.00
32	2X2X4	12	0	+Z	+X	0	0	0.00
33	2X2X4	12	0	+Z	+X	0	0	0.00
34	2X2X4	12	0	+Z	+X	0	0	0.00
35	2X2X4	12	0	+Z	+X	0	0	0.00
36	2X2X4	12	0	+Z	+X	0	0	0.00
37	2X2X4	12	0	+Z	+X	0	0	0.00
38	2X2X4	12	0	+Z	+X	0	0	0.00
39	2X2X4	12	0	+Z	+X	0	0	0.00
40	2X2X4	12	0	+Z	+X	0	0	0.00
41	2X2X4	12	0	+Z	+X	0	0	0.00
42	2X2X4	12	0	+Z	+X	0	0	0.00
43	2X2X6	12	0	+Z	+X	0	0	0.00
44	4X4	12	0	+Z	+X	0	0	0.00
45	4X4	12	0	+Z	+X	0	0	0.00
46	4X4	12	0	+Z	+X	0	0	0.00
47	4X4	12	0	+Z	+X	0	0	0.00
48	4X4	12	0	+Z	+X	0	0	0.00
49	4X4	12	0	+Z	+X	0	0	0.00
50	4X4	12	0	+Z	+X	0	0	0.00
51	4X4	12	0	+Z	+X	0	0	0.00
52	4X4	12	0	+Z	+X	0	0	0.00
53	4X4	12	0	+Z	+X	0	0	0.00
54	4X4	12	0	+Z	+X	0	0	0.00
55	4X4	12	0	+Z	+X	0	0	0.00
56	4X4	12	0	+Z	+X	0	0	0.00
57	4X4	12	0	+Z	+X	0	0	0.00
58	4X4	12	0	+Z	+X	0	0	0.00
59	4X4	12	0	+Z	+X	0	0	0.00
61	2X2X4	12	0	+Z	+X	0	0	0.00
62	2X2X4	12	0	+Z	+X	0	0	0.00
63	2X2X4	12	0	+Z	+X	0	0	0.00
64	2X2X4	12	0	+Z	+X	0	0	0.00

65	2X2X4	12	0	+Z	+X	0	0	0.00
67	2X2X4	12	0	+Z	+X	0	0	0.00
68	2X2X4	12	0	+Z	+X	0	0	0.00
69	2X2X4	12	0	+Z	+X	0	0	0.00
71	2X2X6	12	0	+Z	+X	0	0	0.00
72	4X4	12	0	+Z	+X	0	0	0.00
73	4X4	12	0	+Z	+X	0	0	0.00
74	4X4	12	0	+Z	+X	0	0	0.00
75	4X4	12	0	+Z	+X	0	0	0.00
76	4X4	12	0	+Z	+X	0	0	0.00
77	4X4	12	0	+Z	+X	0	0	0.00
78	4X4	12	0	+Z	+X	0	0	0.00
79	4X4	12	0	+Z	+X	0	0	0.00
80	4X4	12	0	+Z	+X	0	0	0.00
81	4X4	12	0	+Z	+X	0	0	0.00
82	2X2X4	12	0	+Z	+X	0	0	0.00
84	2X2X4	12	0	+Z	+X	0	0	0.00
90	2X2X4	12	0	+Z	+X	0	0	0.00
91	2X2X4	12	0	+Z	+X	0	0	0.00
93	2X2X6	12	0	+Z	+X	0	0	0.00
94	4X4	12	0	+Z	+X	0	0	0.00
95	4X4	12	0	+Z	+X	0	0	0.00
96	4X4	12	0	+Z	+X	0	0	0.00
97	4X4	12	0	+Z	+X	0	0	0.00
98	4X4	12	0	+Z	+X	0	0	0.00
99	4X4	12	0	+Z	+X	0	0	0.00
100	4X4	12	0	+Z	+X	0	0	0.00
101	4X4	12	0	+Z	+X	0	0	0.00
106	2X2X4	12	0	+Z	+X	0	0	0.00
107	2X2X4	12	0	+Z	+X	0	0	0.00
108	2X2X4	12	0	+Z	+X	0	0	0.00
109	2X2X4	12	0	+Z	+X	0	0	0.00
110	2X2X4	12	0	+Z	+X	0	0	0.00
111	2X2X4	12	0	+Z	+X	0	0	0.00
112	2X2X4	12	0	+Z	+X	0	0	0.00
113	2X2X6	12	0	+Z	+X	0	0	0.00
118	4X4	12	0	+Z	+X	0	0	0.00
119	4X4	12	0	+Z	+X	0	0	0.00
120	4X4	12	0	+Z	+X	0	0	0.00
121	4X4	12	0	+Z	+X	0	0	0.00
122	4X4	12	0	+Z	+X	0	0	0.00
123	4X4	12	0	+Z	+X	0	0	0.00
124	4X4	12	0	+Z	+X	0	0	0.00
125	4X4	12	0	+Z	+X	0	0	0.00
126	2X2X4	12	0	+Z	+X	0	0	0.00
128	2X2X4	12	0	+Z	+X	0	0	0.00
134	2X2X4	12	0	+Z	+X	0	0	0.00
135	2X2X4	12	0	+Z	+X	0	0	0.00
137	2X2X6	12	0	+Z	+X	0	0	0.00
138	4X4	12	0	+Z	+X	0	0	0.00
139	4X4	12	0	+Z	+X	0	0	0.00
140	4X4	12	0	+Z	+X	0	0	0.00
141	4X4	12	0	+Z	+X	0	0	0.00
142	4X4	12	0	+Z	+X	0	0	0.00
143	4X4	12	0	+Z	+X	0	0	0.00
144	4X4	12	0	+Z	+X	0	0	0.00
145	4X4	12	0	+Z	+X	0	0	0.00
146	4X4	12	0	+Z	+X	0	0	0.00
147	4X4	12	0	+Z	+X	0	0	0.00
149	2X2X4	12	0	+Z	+X	0	0	0.00
150	2X2X4	12	0	+Z	+X	0	0	0.00
151	2X2X4	12	0	+Z	+X	0	0	0.00
159	2X2X6	12	0	+Z	+X	0	0	0.00

160	4X4	12	0	+Z	+X	0	0	0.00
161	4X4	12	0	+Z	+X	0	0	0.00
162	4X4	12	0	+Z	+X	0	0	0.00
163	4X4	12	0	+Z	+X	0	0	0.00
164	4X4	12	0	+Z	+X	0	0	0.00
165	4X4	12	0	+Z	+X	0	0	0.00
166	4X4	12	0	+Z	+X	0	0	0.00
167	4X4	12	0	+Z	+X	0	0	0.00
168	4X4	12	0	+Z	+X	0	0	0.00
169	4X4	12	0	+Z	+X	0	0	0.00
170	4X4	12	0	+Z	+X	0	0	0.00
171	4X4	12	0	+Z	+X	0	0	0.00
172	4X4	12	0	+Z	+X	0	0	0.00
173	4X4	12	0	+Z	+X	0	0	0.00
174	4X4	12	0	+Z	+X	0	0	0.00
175	4X4	12	0	+Z	+X	0	0	0.00
177	2X2X4	12	0	+Z	+X	0	0	0.00
179	2X2X4	12	0	+Z	+X	0	0	0.00
181	2X2X4	12	0	+Z	+X	0	0	0.00
182	2X2X4	12	0	+Z	+X	0	0	0.00
184	2X2X4	12	0	+Z	+X	0	0	0.00
185	2X2X4	12	0	+Z	+X	0	0	0.00
187	2X2X4	12	0	+Z	+X	0	0	0.00
188	2X2X4	12	0	+Z	+X	0	0	0.00
189	2X2X4	12	0	+Z	+X	0	0	0.00
191	2X2X6	12	0	+Z	+X	0	0	0.00
192	4X4	12	0	+Z	+X	0	0	0.00
193	4X4	12	0	+Z	+X	0	0	0.00
194	2X4X4	12	0	+Z	+X	0	0	0.00
195	2X4X4	12	0	+Z	+X	0	0	0.00
196	2X4X4	12	0	+Z	+X	0	0	0.00
197	2X4X4	12	0	+Z	+X	0	0	0.00
198	4X4	12	0	+Z	+X	0	0	0.00
199	4X4	12	0	+Z	+X	0	0	0.00
200	4X4	12	0	+Z	+X	0	0	0.00
201	4X4	12	0	+Z	+X	0	0	0.00
202	4X4	12	0	+Z	+X	0	0	0.00
203	4X4	12	0	+Z	+X	0	0	0.00
204	4X4	12	0	+Z	+X	0	0	0.00
205	2X2X4	12	0	+Z	+X	0	0	0.00
207	2X2X4	12	0	+Z	+X	0	0	0.00
208	2X2X4	12	0	+Z	+X	0	0	0.00
210	2X2X4	12	0	+Z	+X	0	0	0.00
211	2X2X4	12	0	+Z	+X	0	0	0.00
212	2X2X4	12	0	+Z	+X	0	0	0.00
214	2X2X4	12	0	+Z	+X	0	0	0.00
215	2X2X6	12	0	+Z	+X	0	0	0.00
216	2X2X4	12	0	+Z	+X	0	0	0.00
217	2X2X4	12	0	+Z	+X	0	0	0.00
218	2X2X4	12	0	+Z	+X	0	0	0.00
219	2X2X6	12	0	+Z	+X	0	0	0.00
220	2X2X6	12	0	+Z	+X	0	0	0.00
221	2X2X6	12	0	+Z	+X	0	0	0.00
222	2X2X6	12	0	+Z	+X	0	0	0.00
223	2X2X4	12	0	+Z	+X	0	0	0.00
224	2X2X4	12	0	+Z	+X	0	0	0.00
225	2X2X4	12	0	+Z	+X	0	0	0.00
226	2X2X4	12	0	+Z	+X	0	0	0.00
227	2X2X4	12	0	+Z	+X	0	0	0.00
228	2X2X4	12	0	+Z	+X	0	0	0.00
229	2X2X4	12	0	+Z	+X	0	0	0.00
230	2X2X4	12	0	+Z	+X	0	0	0.00
231	2X2X4	12	0	+Z	+X	0	0	0.00

232	2X2X4	12	0	+Z	+X	0	0	0.00
233	2X2X4	12	0	+Z	+X	0	0	0.00
234	2X2X4	12	0	+Z	+X	0	0	0.00
235	2X2X4	12	0	+Z	+X	0	0	0.00
236	2X2X4	12	0	+Z	+X	0	0	0.00
237	2X2X4	12	0	+Z	+X	0	0	0.00
238	2X2X4	12	0	+Z	+X	0	0	0.00
239	2X2X4	12	0	+Z	+X	0	0	0.00
240	2X2X4	12	0	+Z	+X	0	0	0.00
241	2X2X4	12	0	+Z	+X	0	0	0.00
242	2X2X4	12	0	+Z	+X	0	0	0.00
243	2X2X6	12	0	+Z	+X	0	0	0.00
244	2X2X6	12	0	+Z	+X	0	0	0.00
245	2X2X6	12	0	+Z	+X	0	0	0.00
246	2X2X6	12	0	+Z	+X	0	0	0.00
247	2X2X4	12	0	+Z	+X	0	0	0.00
248	2X2X4	12	0	+Z	+X	0	0	0.00
249	2X2X4	12	0	+Z	+X	0	0	0.00
250	2X2X4	12	0	+Z	+X	0	0	0.00
251	2X2X4	12	0	+Z	+X	0	0	0.00
252	2X2X4	12	0	+Z	+X	0	0	0.00
253	2X2X4	12	0	+Z	+X	0	0	0.00
254	2X2X4	12	0	+Z	+X	0	0	0.00
255	2X2X4	12	0	+Z	+X	0	0	0.00
256	2X2X4	12	0	+Z	+X	0	0	0.00
257	2X2X4	12	0	+Z	+X	0	0	0.00
258	2X2X4	12	0	+Z	+X	0	0	0.00
259	2X2X4	12	0	+Z	+X	0	0	0.00
261	2X2X4	12	0	+Z	+X	0	0	0.00
262	2X2X4	12	0	+Z	+X	0	0	0.00
263	2X2X4	12	0	+Z	+X	0	0	0.00
264	2X2X4	12	0	+Z	+X	0	0	0.00
265	2X2X4	12	0	+Z	+X	0	0	0.00
266	2X2X4	12	0	+Z	+X	0	0	0.00
267	2X2X4	12	0	+Z	+X	0	0	0.00
268	2X2X4	12	0	+Z	+X	0	0	0.00
269	2X2X4	12	0	+Z	+X	0	0	0.00
270	2X2X4	12	0	+Z	+X	0	0	0.00
271	2X2X4	12	0	+Z	+X	0	0	0.00
272	2X2X4	12	0	+Z	+X	0	0	0.00
273	2X2X4	12	0	+Z	+X	0	0	0.00
274	2X2X4	12	0	+Z	+X	0	0	0.00
275	2X2X4	12	0	+Z	+X	0	0	0.00
276	2X2X4	12	0	+Z	+X	0	0	0.00
277	2X2X4	12	0	+Z	+X	0	0	0.00
278	2X2X4	12	0	+Z	+X	0	0	0.00
279	2X2X4	12	0	+Z	+X	0	0	0.00
280	2X2X4	12	0	+Z	+X	0	0	0.00
281	2X2X4	12	0	+Z	+X	0	0	0.00
284	2X2X4	12	0	+Z	+X	0	0	0.00
285	2X2X4	12	0	+Z	+X	0	0	0.00
286	2X2X4	12	0	+Z	+X	0	0	0.00
287	2X2X4	12	0	+Z	+X	0	0	0.00
288	2X2X4	12	0	+Z	+X	0	0	0.00
289	2X2X4	12	0	+Z	+X	0	0	0.00
290	2X2X4	12	0	+Z	+X	0	0	0.00
291	2X2X4	12	0	+Z	+X	0	0	0.00
292	2X2X4	12	0	+Z	+X	0	0	0.00
293	2X2X4	12	0	+Z	+X	0	0	0.00
294	2X2X4	12	0	+Z	+X	0	0	0.00
295	2X2X4	12	0	+Z	+X	0	0	0.00
296	2X2X4	12	0	+Z	+X	0	0	0.00
297	2X2X4	12	0	+Z	+X	0	0	0.00

298	2X2X4	12	0	+Z	+X	0	0	0.00
299	2X2X4	12	0	+Z	+X	0	0	0.00
300	2X2X6	12	0	+Z	+X	0	0	0.00
301	2X2X6	12	0	+Z	+X	0	0	0.00
302	2X2X6	12	0	+Z	+X	0	0	0.00
303	2X2X6	12	0	+Z	+X	0	0	0.00
304	2X2X4	12	0	+Z	+X	0	0	0.00
305	2X2X4	12	0	+Z	+X	0	0	0.00
306	2X2X4	12	0	+Z	+X	0	0	0.00
307	2X2X4	12	0	+Z	+X	0	0	0.00
308	2X2X4	12	0	+Z	+X	0	0	0.00
309	2X2X6	12	0	+Z	+X	0	0	0.00
310	2X2X6	12	0	+Z	+X	0	0	0.00
311	2X2X6	12	0	+Z	+X	0	0	0.00
312	2X2X6	12	0	+Z	+X	0	0	0.00

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 19
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F R A M E E L E M E N T D A T A

ELEMENT LABEL	END-I RELEASE CODES		END-J RELEASE CODES	
1	R2	R3	R2	R3
2	R2	R3	R2	R3
3	R2	R3	R2	R3
4	R2	R3	R2	R3
5	R2	R3	R2	R3
6	R2	R3		
7	R2	R3	R2	R3
8	R2	R3	R2	R3
9	R2	R3	R2	R3
10	R2	R3	R2	R3
11			R2	R3
12	R2	R3	R2	R3
13	R2	R3	R2	R3
15	R2	R3	R2	R3
16	R2	R3	R2	R3
17	R2	R3	R2	R3
18	R2	R3	R2	R3
19	R2	R3	R2	R3
20	R2	R3	R2	R3
21	R2	R3	R2	R3
22	R2	R3	R2	R3
23	R2	R3	R2	R3
24	R2	R3	R2	R3
25	R2	R3	R2	R3
26	R2	R3	R2	R3
27	R2	R3	R2	R3
29	R2	R3	R2	R3
31	R2	R3	R2	R3
32			R2	R3
33	R2	R3	R2	R3
34	R2	R3	R2	R3
36	R2	R3	R2	R3
37	R2	R3	R2	R3
38			R2	R3
39	R2	R3	R2	R3
40	R2	R3	R2	R3
41	R2	R3	R2	R3

42	R2	R3		
43	R2	R3	R2	R3
44	R2	R3	R2	R3
45	R2	R3	R2	R3
46	R2	R3	R2	R3
47	R2	R3	R2	R3
48	R2	R3	R2	R3
49	R2	R3	R2	R3
50	R2	R3	R2	R3
51	R2	R3	R2	R3
52	R2	R3	R2	R3
53	R2	R3	R2	R3
54	R2	R3	R2	R3
55	R2	R3	R2	R3
56	R2	R3	R2	R3
57	R2	R3	R2	R3
58	R2	R3	R2	R3
59	R2	R3	R2	R3
61	R2	R3	R2	R3
62	R2	R3	R2	R3
63	R2	R3	R2	R3
65	R2	R3		
67			R2	R3
68	R2	R3		
69			R2	R3
71	R2	R3	R2	R3
72	R2	R3	R2	R3
73	R2	R3	R2	R3
74	R2	R3	R2	R3
75	R2	R3	R2	R3
76	R2	R3	R2	R3
77	R2	R3	R2	R3
78	R2	R3	R2	R3
79	R2	R3	R2	R3
80	R2	R3	R2	R3
81	R2	R3	R2	R3
82	R2	R3	R2	R3
84	R2	R3	R2	R3
90	R2	R3	R2	R3
91	R2	R3	R2	R3
93	R2	R3	R2	R3
94	R2	R3	R2	R3
95	R2	R3	R2	R3
96	R2	R3	R2	R3
97	R2	R3	R2	R3
98	R2	R3	R2	R3
99	R2	R3	R2	R3
100	R2	R3	R2	R3
101	R2	R3	R2	R3
106	R2	R3	R2	R3
107	R2	R3	R2	R3
108	R2	R3	R2	R3
109	R2	R3	R2	R3
110	R2	R3	R2	R3
111	R2	R3	R2	R3
112	R2	R3	R2	R3
113	R2	R3	R2	R3
118	R2	R3	R2	R3
119	R2	R3	R2	R3
120	R2	R3	R2	R3
121	R2	R3	R2	R3
122	R2	R3	R2	R3
123	R2	R3	R2	R3

124	R2	R3	R2	R3
125	R2	R3	R2	R3
126	R2	R3	R2	R3
128	R2	R3	R2	R3
134	R2	R3	R2	R3
135	R2	R3	R2	R3
137	R2	R3	R2	R3
138	R2	R3	R2	R3
139	R2	R3	R2	R3
140	R2	R3	R2	R3
141	R2	R3	R2	R3
142	R2	R3	R2	R3
143	R2	R3	R2	R3
144	R2	R3	R2	R3
145	R2	R3	R2	R3
146	R2	R3	R2	R3
147	R2	R3	R2	R3
149	R2	R3	R2	R3
150	R2	R3	R2	R3
151	R2	R3	R2	R3
159	R2	R3	R2	R3
160	R2	R3	R2	R3
161	R2	R3	R2	R3
162	R2	R3	R2	R3
163	R2	R3	R2	R3
164	R2	R3	R2	R3
165	R2	R3	R2	R3
166	R2	R3	R2	R3
167	R2	R3	R2	R3
168	R2	R3	R2	R3
169	R2	R3	R2	R3
170	R2	R3	R2	R3
171	R2	R3	R2	R3
172	R2	R3	R2	R3
173	R2	R3	R2	R3
174	R2	R3	R2	R3
175	R2	R3	R2	R3
177	R2	R3	R2	R3
179	R2	R3	R2	R3
181	R2	R3	R2	R3
182	R2	R3	R2	R3
184	R2	R3	R2	R3
185	R2	R3	R2	R3
187	R2	R3	R2	R3
188	R2	R3	R2	R3
189	R2	R3	R2	R3
191	R2	R3	R2	R3
192	R2	R3	R2	R3
193	R2	R3	R2	R3
194	R2	R3	R2	R3
195	R2	R3	R2	R3
196	R2	R3	R2	R3
197	R2	R3	R2	R3
198	R2	R3	R2	R3
199	R2	R3	R2	R3
200	R2	R3	R2	R3
201	R2	R3	R2	R3
202	R2	R3	R2	R3
203	R2	R3	R2	R3
204	R2	R3	R2	R3
205	R2	R3	R2	R3
208	R2	R3	R2	R3
210	R2	R3	R2	R3

211	R2 R3	R2 R3
212	R2 R3	R2 R3
214	R2 R3	R2 R3
215	R2 R3	R2 R3
216	R2 R3	R2 R3
217	R2 R3	R2 R3
218	R2 R3	R2 R3
219	R2 R3	
222		R2 R3
223	R2 R3	
225		R2 R3
226	R2 R3	
227		R2 R3
228	R2 R3	
230		R2 R3
231	R2 R3	
234		R2 R3
235	R2 R3	
238		R2 R3
239	R2 R3	
242		R2 R3
243	R2 R3	
246		R2 R3
247	R2 R3	
250		R2 R3
251	R2 R3	
254		R2 R3
255	R2 R3	
258		R2 R3
259	R2 R3	
261	R2 R3	
263		R2 R3
264	R2 R3	
265		R2 R3
266	R2 R3	
267		R2 R3
268	R2 R3	
270		R2 R3
271	R2 R3	
272		R2 R3
273	R2 R3	
276		R2 R3
277	R2 R3	
280		R2 R3
281	R2 R3	
284		R2 R3
285	R2 R3	
287		R2 R3
288	R2 R3	
291		R2 R3
292	R2 R3	
295		R2 R3
296	R2 R3	
299		R2 R3
300	R2 R3	
303		R2 R3
304	R2 R3	
305		R2 R3
306	R2 R3	
308		R2 R3
309	R2 R3	
312		R2 R3

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T O T A L W E I G H T S A N D M A S S E S

SECTION LABEL	WEIGHT	MASS
4X4	1127.2831	2.9174
2X2X4	1120.5891	2.9001
2X2X6	299.5447	0.7752
2X4X4	131.1204	0.3393
TOTAL	2678.5373	6.9321

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L O A D C O N D I T I O N DEAD

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.1000E+01

L O A D C O N D I T I O N MANIFOLD

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
N2	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N3	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N8	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N9	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N TBAR

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
E2A	0.000E+00	0.000E+00	-0.620E+02	0.000E+00	0.000E+00	0.000E+00
E2B	0.000E+00	0.000E+00	-0.106E+03	0.000E+00	0.000E+00	0.000E+00
E3A	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
E3B	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
E3C	0.000E+00	0.000E+00	-0.780E+02	0.000E+00	0.000E+00	0.000E+00
E4A	0.000E+00	0.000E+00	-0.780E+02	0.000E+00	0.000E+00	0.000E+00
E6B	0.000E+00	0.000E+00	-0.780E+02	0.000E+00	0.000E+00	0.000E+00
E7A	0.000E+00	0.000E+00	-0.780E+02	0.000E+00	0.000E+00	0.000E+00
E7B	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
E7C	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
E8A	0.000E+00	0.000E+00	-0.106E+03	0.000E+00	0.000E+00	0.000E+00
E8B	0.000E+00	0.000E+00	-0.620E+02	0.000E+00	0.000E+00	0.000E+00
G2A	0.000E+00	0.000E+00	-0.135E+03	0.000E+00	0.000E+00	0.000E+00
G2B	0.000E+00	0.000E+00	-0.231E+03	0.000E+00	0.000E+00	0.000E+00

G2C	0.000E+00	0.000E+00	-0.201E+03	0.000E+00	0.000E+00	0.000E+00
G3A	0.000E+00	0.000E+00	-0.201E+03	0.000E+00	0.000E+00	0.000E+00
G3B	0.000E+00	0.000E+00	-0.172E+03	0.000E+00	0.000E+00	0.000E+00
G3C	0.000E+00	0.000E+00	-0.172E+03	0.000E+00	0.000E+00	0.000E+00
G7A	0.000E+00	0.000E+00	-0.172E+03	0.000E+00	0.000E+00	0.000E+00
G7B	0.000E+00	0.000E+00	-0.172E+03	0.000E+00	0.000E+00	0.000E+00
G7C	0.000E+00	0.000E+00	-0.201E+03	0.000E+00	0.000E+00	0.000E+00
G8A	0.000E+00	0.000E+00	-0.201E+03	0.000E+00	0.000E+00	0.000E+00
G8B	0.000E+00	0.000E+00	-0.231E+03	0.000E+00	0.000E+00	0.000E+00
G8C	0.000E+00	0.000E+00	-0.135E+03	0.000E+00	0.000E+00	0.000E+00
I1A	0.000E+00	0.000E+00	-0.146E+03	0.000E+00	0.000E+00	0.000E+00
I2A	0.000E+00	0.000E+00	-0.251E+03	0.000E+00	0.000E+00	0.000E+00
I2B	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
I2C	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
I3A	0.000E+00	0.000E+00	-0.187E+03	0.000E+00	0.000E+00	0.000E+00
I3B	0.000E+00	0.000E+00	-0.187E+03	0.000E+00	0.000E+00	0.000E+00
I7B	0.000E+00	0.000E+00	-0.187E+03	0.000E+00	0.000E+00	0.000E+00
I7C	0.000E+00	0.000E+00	-0.187E+03	0.000E+00	0.000E+00	0.000E+00
I8A	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
I8B	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
I8C	0.000E+00	0.000E+00	-0.251E+03	0.000E+00	0.000E+00	0.000E+00
I9A	0.000E+00	0.000E+00	-0.146E+03	0.000E+00	0.000E+00	0.000E+00
K1A	0.000E+00	0.000E+00	-0.172E+03	0.000E+00	0.000E+00	0.000E+00
K1B	0.000E+00	0.000E+00	-0.295E+03	0.000E+00	0.000E+00	0.000E+00
K2A	0.000E+00	0.000E+00	-0.257E+03	0.000E+00	0.000E+00	0.000E+00
K2B	0.000E+00	0.000E+00	-0.257E+03	0.000E+00	0.000E+00	0.000E+00
K2C	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
K3A	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
K7B	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
K8A	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
K8B	0.000E+00	0.000E+00	-0.257E+03	0.000E+00	0.000E+00	0.000E+00
K8C	0.000E+00	0.000E+00	-0.257E+03	0.000E+00	0.000E+00	0.000E+00
K9A	0.000E+00	0.000E+00	-0.295E+03	0.000E+00	0.000E+00	0.000E+00
K9B	0.000E+00	0.000E+00	-0.172E+03	0.000E+00	0.000E+00	0.000E+00
N1A	0.000E+00	0.000E+00	-0.990E+02	0.000E+00	0.000E+00	0.000E+00
N1B	0.000E+00	0.000E+00	-0.169E+03	0.000E+00	0.000E+00	0.000E+00
N1C	0.000E+00	0.000E+00	-0.147E+03	0.000E+00	0.000E+00	0.000E+00
N2A	0.000E+00	0.000E+00	-0.147E+03	0.000E+00	0.000E+00	0.000E+00
N2B	0.000E+00	0.000E+00	-0.126E+03	0.000E+00	0.000E+00	0.000E+00
N2C	0.000E+00	0.000E+00	-0.126E+03	0.000E+00	0.000E+00	0.000E+00
N8A	0.000E+00	0.000E+00	-0.126E+03	0.000E+00	0.000E+00	0.000E+00
N8B	0.000E+00	0.000E+00	-0.126E+03	0.000E+00	0.000E+00	0.000E+00
N8C	0.000E+00	0.000E+00	-0.147E+03	0.000E+00	0.000E+00	0.000E+00
N9A	0.000E+00	0.000E+00	-0.147E+03	0.000E+00	0.000E+00	0.000E+00
N9B	0.000E+00	0.000E+00	-0.169E+03	0.000E+00	0.000E+00	0.000E+00
N9C	0.000E+00	0.000E+00	-0.990E+02	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N TOPCOVER

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
P1	0.000E+00	0.000E+00	-0.873E+03	0.000E+00	0.000E+00	0.000E+00
P2	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00
P3	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00
P4	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00
P5	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00
P6	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00
P7	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00

P8	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00
P9	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.873E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N PEWALLS

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
E2	0.000E+00	0.000E+00	-0.480E+02	0.000E+00	0.000E+00	0.000E+00
E3	0.000E+00	0.000E+00	-0.970E+02	0.000E+00	0.000E+00	0.000E+00
E4	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
E5	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
E6	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
E7	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
E8	0.000E+00	0.000E+00	-0.970E+02	0.000E+00	0.000E+00	0.000E+00
E9	0.000E+00	0.000E+00	-0.480E+02	0.000E+00	0.000E+00	0.000E+00
F2	0.000E+00	0.000E+00	-0.119E+03	0.000E+00	0.000E+00	0.000E+00
F3	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
F8	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
F9	0.000E+00	0.000E+00	-0.119E+03	0.000E+00	0.000E+00	0.000E+00
G2	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
G3	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
G4	0.000E+00	0.000E+00	-0.521E+03	0.000E+00	0.000E+00	0.000E+00
G5	0.000E+00	0.000E+00	-0.521E+03	0.000E+00	0.000E+00	0.000E+00
G6	0.000E+00	0.000E+00	-0.521E+03	0.000E+00	0.000E+00	0.000E+00
G7	0.000E+00	0.000E+00	-0.521E+03	0.000E+00	0.000E+00	0.000E+00
G8	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
G9	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
H2	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
H3	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
H8	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
H9	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
I2	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
I3	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
I4	0.000E+00	0.000E+00	-0.566E+03	0.000E+00	0.000E+00	0.000E+00
I5	0.000E+00	0.000E+00	-0.566E+03	0.000E+00	0.000E+00	0.000E+00
I6	0.000E+00	0.000E+00	-0.566E+03	0.000E+00	0.000E+00	0.000E+00
I7	0.000E+00	0.000E+00	-0.566E+03	0.000E+00	0.000E+00	0.000E+00
I8	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
I9	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
J2	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
J3	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
J8	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
J9	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
K2	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
K3	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
K4	0.000E+00	0.000E+00	-0.566E+03	0.000E+00	0.000E+00	0.000E+00
K5	0.000E+00	0.000E+00	-0.566E+03	0.000E+00	0.000E+00	0.000E+00
K6	0.000E+00	0.000E+00	-0.566E+03	0.000E+00	0.000E+00	0.000E+00
K7	0.000E+00	0.000E+00	-0.566E+03	0.000E+00	0.000E+00	0.000E+00
K8	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
K9	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
L2	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
L3	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
L8	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
L9	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
M1	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00
M2	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00

M3	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
M4	0.000E+00	0.000E+00	-0.646E+03	0.000E+00	0.000E+00	0.000E+00
M5	0.000E+00	0.000E+00	-0.646E+03	0.000E+00	0.000E+00	0.000E+00
M6	0.000E+00	0.000E+00	-0.646E+03	0.000E+00	0.000E+00	0.000E+00
M7	0.000E+00	0.000E+00	-0.646E+03	0.000E+00	0.000E+00	0.000E+00
M8	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
M9	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
N3	0.000E+00	0.000E+00	-0.122E+03	0.000E+00	0.000E+00	0.000E+00
N8	0.000E+00	0.000E+00	-0.122E+03	0.000E+00	0.000E+00	0.000E+00
P3	0.000E+00	0.000E+00	-0.181E+03	0.000E+00	0.000E+00	0.000E+00
P4	0.000E+00	0.000E+00	-0.363E+03	0.000E+00	0.000E+00	0.000E+00
P5	0.000E+00	0.000E+00	-0.363E+03	0.000E+00	0.000E+00	0.000E+00
P6	0.000E+00	0.000E+00	-0.363E+03	0.000E+00	0.000E+00	0.000E+00
P7	0.000E+00	0.000E+00	-0.363E+03	0.000E+00	0.000E+00	0.000E+00
P8	0.000E+00	0.000E+00	-0.181E+03	0.000E+00	0.000E+00	0.000E+00
M10	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N HOTBASIN

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
N1	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N2	0.000E+00	0.000E+00	-0.166E+04	0.000E+00	0.000E+00	0.000E+00
N3	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N8	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N9	0.000E+00	0.000E+00	-0.166E+04	0.000E+00	0.000E+00	0.000E+00
N10	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N DRIFTELM

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
E4B	0.000E+00	0.000E+00	-0.780E+02	0.000E+00	0.000E+00	0.000E+00
E6A	0.000E+00	0.000E+00	-0.780E+02	0.000E+00	0.000E+00	0.000E+00
G4A	0.000E+00	0.000E+00	-0.114E+03	0.000E+00	0.000E+00	0.000E+00
G6A	0.000E+00	0.000E+00	-0.114E+03	0.000E+00	0.000E+00	0.000E+00
I3C	0.000E+00	0.000E+00	-0.620E+02	0.000E+00	0.000E+00	0.000E+00
I4A	0.000E+00	0.000E+00	-0.620E+02	0.000E+00	0.000E+00	0.000E+00
I6A	0.000E+00	0.000E+00	-0.620E+02	0.000E+00	0.000E+00	0.000E+00
I7A	0.000E+00	0.000E+00	-0.620E+02	0.000E+00	0.000E+00	0.000E+00
K3B	0.000E+00	0.000E+00	-0.146E+03	0.000E+00	0.000E+00	0.000E+00
K7A	0.000E+00	0.000E+00	-0.146E+03	0.000E+00	0.000E+00	0.000E+00
M3A	0.000E+00	0.000E+00	-0.840E+02	0.000E+00	0.000E+00	0.000E+00
M7A	0.000E+00	0.000E+00	-0.840E+02	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N FANMOTOR

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

L O A D C O N D I T I O N CABLETRY

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
P9	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N LOUVERWL

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
D2	0.000E+00	0.000E+00	-0.240E+02	0.000E+00	0.000E+00	0.000E+00
D9	0.000E+00	0.000E+00	-0.240E+02	0.000E+00	0.000E+00	0.000E+00
E2	0.000E+00	0.000E+00	-0.730E+02	0.000E+00	0.000E+00	0.000E+00
E9	0.000E+00	0.000E+00	-0.730E+02	0.000E+00	0.000E+00	0.000E+00
F2	0.000E+00	0.000E+00	-0.122E+03	0.000E+00	0.000E+00	0.000E+00
F9	0.000E+00	0.000E+00	-0.122E+03	0.000E+00	0.000E+00	0.000E+00
G2	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
G9	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
H2	0.000E+00	0.000E+00	-0.206E+03	0.000E+00	0.000E+00	0.000E+00
H9	0.000E+00	0.000E+00	-0.206E+03	0.000E+00	0.000E+00	0.000E+00
I1	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
J1	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
K1	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
L1	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
M1	0.000E+00	0.000E+00	-0.127E+03	0.000E+00	0.000E+00	0.000E+00
N1	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
P1	0.000E+00	0.000E+00	-0.140E+03	0.000E+00	0.000E+00	0.000E+00
I10	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
J10	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
K10	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
L10	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
M10	0.000E+00	0.000E+00	-0.127E+03	0.000E+00	0.000E+00	0.000E+00
N10	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.140E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N SECDIST

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

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L O A D C O M B I N A T I O N M U L T I P L I E R S

COMBO LABEL DEADLOAD
COMBO TYPE ABS

LOAD LABEL	MODE NUM	SPEC LABEL	HIST LABEL	MOVE LABEL	COMBO LABEL	SCALE FACTOR
DEAD						1.000
MANIFOLD						1.000
TBAR						1.000
TOPCOVER						1.000

```
              PEWALLS                                          1.000
             HOTBASIN                                          1.000
             DRIFTELM                                          1.000
             FANMOTOR                                          1.000
             CABLETRY                                          1.000
             LOUVERWL                                          1.000
              SECDIST                                          1.000


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 O U T P U T   S E L E C T I O N

 DISPLACEMENTS AT JOINTS

      LOAD     MODES      SPEC      HIST      MOVE      COMB
     LABEL               LABEL     LABEL     LABEL     LABEL

                                                       DEADLOAD

 REACTIONS AT JOINTS

      LOAD     MODES      SPEC      HIST      MOVE      COMB
     LABEL               LABEL     LABEL     LABEL     LABEL

      DEAD
  MANIFOLD
      TBAR
  TOPCOVER
   PEWALLS
  HOTBASIN
  DRIFTELM
  FANMOTOR
  CABLETRY
  LOUVERWL
   SECDIST
                                                       DEADLOAD

 INTERNAL FORCES AT ELEMENT FRAME

      LOAD     MODES      SPEC      HIST      MOVE      COMB
     LABEL               LABEL     LABEL     LABEL     LABEL

                                                       DEADLOAD


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 I N P U T   C O M P L E T E
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Program SAP2000 Nonlinear Version 7.40              File:Partition Bent DL.LOG



B E G I N   A N A L Y S I S                                2005/04/05  17:04:26

MAXIMUM MEMORY BLOCK SIZE (BYTES)         =       7.629 MB


E L E M E N T   F O R M A T I O N                                     17:04:26

NUMBER OF JOINT  ELEMENTS FORMED          =         156
NUMBER OF SPRING ELEMENTS FORMED          =         182
NUMBER OF FRAME  ELEMENTS FORMED          =         266
NUMBER OF CONSTRAINTS FORMED              =           2


E Q U A T I O N   S O L U T I O N                                     17:04:27

TOTAL NUMBER OF EQUILIBRIUM EQUATIONS     =         528
APPROXIMATE "EFFECTIVE" BAND WIDTH        =          22

NUMBER OF EQUATION STORAGE BLOCKS         =           1
MAXIMUM BLOCK SIZE (8-BYTE TERMS)         =       11972
SIZE OF STIFFNESS FILE(S) (BYTES)         =      95.609 KB

NUMBER OF EQUATIONS TO SOLVE              =         528
NUMBER OF STATIC LOAD CASES               =          11
NUMBER OF ACCELERATION LOADS              =           6
NUMBER OF NONLINEAR DEFORMATION LOADS     =           0


J O I N T   O U T P U T                                               17:04:28

G L O B A L   F O R C E   B A L A N C E   R E L A T I V E   E R R O R S

PERCENT FORCE AND MOMENT ERROR AT THE ORIGIN, IN GLOBAL COORDINATES

   LOAD          FX          FY          FZ          MX          MY          MZ
   DEAD    8.65E-15    1.12E-31    5.09E-14    8.68E-15    4.05E-14    2.76E-15
MANIFOLD    5.95E-15     .000000    1.26E-13    3.89E-14    7.36E-14    1.90E-15
   TBAR    6.81E-15     .000000    9.88E-14    3.06E-14    4.90E-14    2.17E-15
TOPCOVER    1.05E-14     .000000    4.63E-14    1.77E-14    1.56E-14    3.34E-15
 PEWALLS    9.69E-16     .000000    8.94E-15    6.09E-15    6.09E-15    3.09E-16
HOTBASIN    2.93E-14     .000000    1.78E-13    5.61E-14    1.22E-13    9.36E-15
DRIFTELM    5.68E-15     .000000    5.21E-14    1.42E-14    6.38E-14    1.82E-15
FANMOTOR     .000000     .000000     .000000     .000000     .000000     .000000
CABLETRY    1.28E-11     .000000    2.76E-13    6.41E-14    7.74E-12    2.93E-12
LOUVERWL    5.53E-14     .000000    1.81E-13    5.71E-14    2.19E-13    1.77E-14
 SECDIST     .000000     .000000     .000000     .000000     .000000     .000000

 COMB MAX/MIN     FX          FY          FZ          MX          MY          MZ
DEADLOAD    8.53E-14    3.97E-33    7.84E-14    2.57E-14    1.12E-13    2.72E-14
DEADLOAD    8.53E-14    3.97E-33    7.84E-14    2.57E-14    1.12E-13    2.72E-14


E L E M E N T   J O I N T - F O R C E   O U T P U T                   17:04:29

NUMBER OF JOINT  ELEMENTS SAVED           =         156
NUMBER OF FRAME  ELEMENTS SAVED           =         266
NUMBER OF SPRING ELEMENTS SAVED           =         182
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E L E M E N T   O U T P U T                                          17:04:30

NUMBER OF FRAME  ELEMENTS SAVED          =         266
NUMBER OF FRAME  ELEMENTS PRINTED        =         266


A N A L Y S I S   C O M P L E T E                        2005/04/05  17:04:32
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                    S A P 2 0 0 0 (R)

                Structural Analysis Programs

                   Nonlinear Version 7.40

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        It is the responsibility of the user to verify all
                 results produced by this program

                      5 Apr 2005  17:04:26


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                                                                        1

D I S P L A C E M E N T   D E G R E E S   O F   F R E E D O M

        (A) = Active DOF, equilibrium equation
        (-) = Restrained DOF, reaction computed
        (+) = Constrained DOF
        (>) = External substructure DOF
        ( ) = Null DOF

 JOINTS              UX  UY  UZ  RX  RY  RZ
      3 TO       4    A       A       A
     A3 TO      A8    -   -   -       A
     B3 TO      C8    A       A       A
     D2               -   -   -       A
     D3 TO      D8    A       A       A
     D9               -   -   -       A
     E2 TO      N9    A       A       A
     O4 TO      O7    +       A       A
     P1 TO      P3    A       A       A
     P4               +       A       A
     P5 TO      P6    A       A       A
     P7               +       A       A
     P8 TO     P10    A       A       A

 CONSTRAINTS         U1  U2  U3  R1  R2  R3
    PO4 TO     PO7    A


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                                                                        2

A S S E M B L E D   J O I N T   M A S S E S

IN GLOBAL COORDINATES

  JOINT          UX          UY          UZ          RX          RY          RZ
      3    0.046857    0.046857    0.046857     .000000     .000000     .000000
```

4	0.046857	0.046857	0.046857	.000000	.000000	.000000
A3	0.014824	0.014824	0.014824	.000000	.000000	.000000
A4	0.014824	0.014824	0.014824	.000000	.000000	.000000
A5	0.014824	0.014824	0.014824	.000000	.000000	.000000
A6	0.014824	0.014824	0.014824	.000000	.000000	.000000
A7	0.014824	0.014824	0.014824	.000000	.000000	.000000
A8	0.014824	0.014824	0.014824	.000000	.000000	.000000
B3	0.047031	0.047031	0.047031	.000000	.000000	.000000
B4	0.065147	0.065147	0.065147	.000000	.000000	.000000
B5	0.079237	0.079237	0.079237	.000000	.000000	.000000
B6	0.079237	0.079237	0.079237	.000000	.000000	.000000
B7	0.065147	0.065147	0.065147	.000000	.000000	.000000
B8	0.047031	0.047031	0.047031	.000000	.000000	.000000
C3	0.046297	0.046297	0.046297	.000000	.000000	.000000
C4	0.046297	0.046297	0.046297	.000000	.000000	.000000
C7	0.046297	0.046297	0.046297	.000000	.000000	.000000
C8	0.046297	0.046297	0.046297	.000000	.000000	.000000
D2	0.070747	0.070747	0.070747	.000000	.000000	.000000
D3	0.036830	0.036830	0.036830	.000000	.000000	.000000
D4	0.054946	0.054946	0.054946	.000000	.000000	.000000
D5	0.069036	0.069036	0.069036	.000000	.000000	.000000
D6	0.069036	0.069036	0.069036	.000000	.000000	.000000
D7	0.054946	0.054946	0.054946	.000000	.000000	.000000
D8	0.036830	0.036830	0.036830	.000000	.000000	.000000
D9	0.070747	0.070747	0.070747	.000000	.000000	.000000
E2	0.351932	0.351932	0.351932	.000000	.000000	.000000
E3	0.290178	0.290178	0.290178	.000000	.000000	.000000
E4	0.650866	0.650866	0.650866	.000000	.000000	.000000
E5	0.670492	0.670492	0.670492	.000000	.000000	.000000
E6	0.670492	0.670492	0.670492	.000000	.000000	.000000
E7	0.650866	0.650866	0.650866	.000000	.000000	.000000
E8	0.290178	0.290178	0.290178	.000000	.000000	.000000
E9	0.351932	0.351932	0.351932	.000000	.000000	.000000
F2	0.708926	0.708926	0.708926	.000000	.000000	.000000
F3	0.658320	0.658320	0.658320	.000000	.000000	.000000
F8	0.658320	0.658320	0.658320	.000000	.000000	.000000
F9	0.708926	0.708926	0.708926	.000000	.000000	.000000
G2	0.823208	0.823208	0.823208	.000000	.000000	.000000
G3	0.767119	0.767119	0.767119	.000000	.000000	.000000
G4	1.410091	1.410091	1.410091	.000000	.000000	.000000
G5	1.430975	1.430975	1.430975	.000000	.000000	.000000
G6	1.430975	1.430975	1.430975	.000000	.000000	.000000
G7	1.410091	1.410091	1.410091	.000000	.000000	.000000
G8	0.767119	0.767119	0.767119	.000000	.000000	.000000
G9	0.823208	0.823208	0.823208	.000000	.000000	.000000
H2	0.971968	0.971968	0.971968	.000000	.000000	.000000
H3	0.800970	0.800970	0.800970	.000000	.000000	.000000
H8	0.800970	0.800970	0.800970	.000000	.000000	.000000
H9	0.971968	0.971968	0.971968	.000000	.000000	.000000
I1	0.413369	0.413369	0.413369	.000000	.000000	.000000
I2	0.422492	0.422492	0.422492	.000000	.000000	.000000
I3	0.767119	0.767119	0.767119	.000000	.000000	.000000
I4	1.527323	1.527323	1.527323	.000000	.000000	.000000
I5	1.555374	1.555374	1.555374	.000000	.000000	.000000
I6	1.555374	1.555374	1.555374	.000000	.000000	.000000
I7	1.527323	1.527323	1.527323	.000000	.000000	.000000
I8	0.767119	0.767119	0.767119	.000000	.000000	.000000
I9	0.422492	0.422492	0.422492	.000000	.000000	.000000
J1	0.418659	0.418659	0.418659	.000000	.000000	.000000
J2	0.785493	0.785493	0.785493	.000000	.000000	.000000
J3	0.800970	0.800970	0.800970	.000000	.000000	.000000
J8	0.800970	0.800970	0.800970	.000000	.000000	.000000
J9	0.785493	0.785493	0.785493	.000000	.000000	.000000

K1	0.413369	0.413369	0.413369	.000000	.000000	.000000
K2	0.788892	0.788892	0.788892	.000000	.000000	.000000
K3	0.767119	0.767119	0.767119	.000000	.000000	.000000
K4	1.546955	1.546955	1.546955	.000000	.000000	.000000
K5	1.558394	1.558394	1.558394	.000000	.000000	.000000
K6	1.558394	1.558394	1.558394	.000000	.000000	.000000
K7	1.546955	1.546955	1.546955	.000000	.000000	.000000
K8	0.767119	0.767119	0.767119	.000000	.000000	.000000
K9	0.788892	0.788892	0.788892	.000000	.000000	.000000
L1	0.424955	0.424955	0.424955	.000000	.000000	.000000
L2	0.791790	0.791790	0.791790	.000000	.000000	.000000
L3	0.800970	0.800970	0.800970	.000000	.000000	.000000
L8	0.800970	0.800970	0.800970	.000000	.000000	.000000
L9	0.791790	0.791790	0.791790	.000000	.000000	.000000
M1	0.676677	0.676677	0.676677	.000000	.000000	.000000
M2	0.691471	0.691471	0.691471	.000000	.000000	.000000
M3	0.681769	0.681769	0.681769	.000000	.000000	.000000
M4	1.762665	1.762665	1.762665	.000000	.000000	.000000
M5	1.772519	1.772519	1.772519	.000000	.000000	.000000
M6	1.772519	1.772519	1.772519	.000000	.000000	.000000
M7	1.762665	1.762665	1.762665	.000000	.000000	.000000
M8	0.681769	0.681769	0.681769	.000000	.000000	.000000
M9	0.691471	0.691471	0.691471	.000000	.000000	.000000
N1	2.673555	2.673555	2.673555	.000000	.000000	.000000
N2	14.145910	14.145910	14.145910	.000000	.000000	.000000
N3	12.315356	12.315356	12.315356	.000000	.000000	.000000
N8	12.315356	12.315356	12.315356	.000000	.000000	.000000
N9	14.145910	14.145910	14.145910	.000000	.000000	.000000
O4	0.036106	0.036106	0.036106	.000000	.000000	.000000
O7	0.036106	0.036106	0.036106	.000000	.000000	.000000
P1	2.681942	2.681942	2.681942	.000000	.000000	.000000
P2	4.612080	4.612080	4.612080	.000000	.000000	.000000
P3	5.072634	5.072634	5.072634	.000000	.000000	.000000
P4	5.519953	5.519953	5.519953	.000000	.000000	.000000
P5	5.552243	5.552243	5.552243	.000000	.000000	.000000
P6	5.552243	5.552243	5.552243	.000000	.000000	.000000
P7	5.519953	5.519953	5.519953	.000000	.000000	.000000
P8	5.072634	5.072634	5.072634	.000000	.000000	.000000
P9	5.077880	5.077880	5.077880	.000000	.000000	.000000
E2A	0.174497	0.174497	0.174497	.000000	.000000	.000000
E2B	0.282258	0.282258	0.282258	.000000	.000000	.000000
E3A	0.247158	0.247158	0.247158	.000000	.000000	.000000
E3B	0.250177	0.250177	0.250177	.000000	.000000	.000000
E3C	0.212058	0.212058	0.212058	.000000	.000000	.000000
E4A	0.213568	0.213568	0.213568	.000000	.000000	.000000
E4B	0.216497	0.216497	0.216497	.000000	.000000	.000000
E6A	0.216497	0.216497	0.216497	.000000	.000000	.000000
E6B	0.213568	0.213568	0.213568	.000000	.000000	.000000
E7A	0.212058	0.212058	0.212058	.000000	.000000	.000000
E7B	0.250177	0.250177	0.250177	.000000	.000000	.000000
E7C	0.247158	0.247158	0.247158	.000000	.000000	.000000
E8A	0.282258	0.282258	0.282258	.000000	.000000	.000000
E8B	0.174497	0.174497	0.174497	.000000	.000000	.000000
G2A	0.358613	0.358613	0.358613	.000000	.000000	.000000
G2B	0.610077	0.610077	0.610077	.000000	.000000	.000000
G2C	0.529503	0.529503	0.529503	.000000	.000000	.000000
G3A	0.531013	0.531013	0.531013	.000000	.000000	.000000
G3B	0.456377	0.456377	0.456377	.000000	.000000	.000000
G3C	0.452603	0.452603	0.452603	.000000	.000000	.000000
G4A	0.313516	0.313516	0.313516	.000000	.000000	.000000
G6A	0.313516	0.313516	0.313516	.000000	.000000	.000000
G7A	0.452603	0.452603	0.452603	.000000	.000000	.000000
G7B	0.456377	0.456377	0.456377	.000000	.000000	.000000

G7C	0.531013	0.531013	0.531013	.000000	.000000	.000000
G8A	0.529503	0.529503	0.529503	.000000	.000000	.000000
G8B	0.610077	0.610077	0.610077	.000000	.000000	.000000
G8C	0.358613	0.358613	0.358613	.000000	.000000	.000000
I10	0.413369	0.413369	0.413369	.000000	.000000	.000000
I1A	0.382048	0.382048	0.382048	.000000	.000000	.000000
I2A	0.659536	0.659536	0.659536	.000000	.000000	.000000
I2B	0.578177	0.578177	0.578177	.000000	.000000	.000000
I2C	0.574281	0.574281	0.574281	.000000	.000000	.000000
I3A	0.492636	0.492636	0.492636	.000000	.000000	.000000
I3B	0.494777	0.494777	0.494777	.000000	.000000	.000000
I3C	0.168681	0.168681	0.168681	.000000	.000000	.000000
I4A	0.178616	0.178616	0.178616	.000000	.000000	.000000
I6A	0.178616	0.178616	0.178616	.000000	.000000	.000000
I7A	0.168681	0.168681	0.168681	.000000	.000000	.000000
I7B	0.494777	0.494777	0.494777	.000000	.000000	.000000
I7C	0.492636	0.492636	0.492636	.000000	.000000	.000000
I8A	0.574281	0.574281	0.574281	.000000	.000000	.000000
I8B	0.578177	0.578177	0.578177	.000000	.000000	.000000
I8C	0.659536	0.659536	0.659536	.000000	.000000	.000000
I9A	0.382048	0.382048	0.382048	.000000	.000000	.000000
J10	0.418659	0.418659	0.418659	.000000	.000000	.000000
K10	0.413369	0.413369	0.413369	.000000	.000000	.000000
K1A	0.451945	0.451945	0.451945	.000000	.000000	.000000
K1B	0.771138	0.771138	0.771138	.000000	.000000	.000000
K2A	0.674378	0.674378	0.674378	.000000	.000000	.000000
K2B	0.676777	0.676777	0.676777	.000000	.000000	.000000
K2C	0.575238	0.575238	0.575238	.000000	.000000	.000000
K3A	0.578239	0.578239	0.578239	.000000	.000000	.000000
K3B	0.391277	0.391277	0.391277	.000000	.000000	.000000
K7A	0.391277	0.391277	0.391277	.000000	.000000	.000000
K7B	0.578239	0.578239	0.578239	.000000	.000000	.000000
K8A	0.575238	0.575238	0.575238	.000000	.000000	.000000
K8B	0.676777	0.676777	0.676777	.000000	.000000	.000000
K8C	0.674378	0.674378	0.674378	.000000	.000000	.000000
K9A	0.771138	0.771138	0.771138	.000000	.000000	.000000
K9B	0.451945	0.451945	0.451945	.000000	.000000	.000000
L10	0.424955	0.424955	0.424955	.000000	.000000	.000000
M10	0.676677	0.676677	0.676677	.000000	.000000	.000000
M3A	0.234516	0.234516	0.234516	.000000	.000000	.000000
M7A	0.234516	0.234516	0.234516	.000000	.000000	.000000
N10	2.673555	2.673555	2.673555	.000000	.000000	.000000
N1A	0.267262	0.267262	0.267262	.000000	.000000	.000000
N1B	0.456879	0.456879	0.456879	.000000	.000000	.000000
N1C	0.398124	0.398124	0.398124	.000000	.000000	.000000
N2A	0.393744	0.393744	0.393744	.000000	.000000	.000000
N2B	0.344379	0.344379	0.344379	.000000	.000000	.000000
N2C	0.341824	0.341824	0.341824	.000000	.000000	.000000
N8A	0.341824	0.341824	0.341824	.000000	.000000	.000000
N8B	0.344379	0.344379	0.344379	.000000	.000000	.000000
N8C	0.393744	0.393744	0.393744	.000000	.000000	.000000
N9A	0.398124	0.398124	0.398124	.000000	.000000	.000000
N9B	0.456879	0.456879	0.456879	.000000	.000000	.000000
N9C	0.267262	0.267262	0.267262	.000000	.000000	.000000
P10	3.147742	3.147742	3.147742	.000000	.000000	.000000

T O T A L A S S E M B L E D J O I N T M A S S E S

IN GLOBAL COORDINATES

	UX	UY	UZ	RX	RY	RZ
TOTAL	195.036510	195.036510	195.036510	.000000	.000000	.000000

T O T A L A C C E L E R A T E D M A S S A N D L O C A T I O N

TOTAL MASS ACTIVATED BY ACCELERATION LOADS, IN GLOBAL COORDINATES

	UX	UY	UZ
MASS	194.806071	.000000	194.806071
X-LOC	348.056370	.000000	348.056370
Y-LOC	120.000000	.000000	120.000000
Z-LOC	495.834216	.000000	495.834216

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J O I N T D I S P L A C E M E N T S

TRANSLATIONS AND ROTATIONS, IN GLOBAL COORDINATES

COMBDEADLOAD ---------- MAX

JOINT	UX	UY	UZ	RY
3	0.038290	.000000	0.256731	.000000
4	0.038230	.000000	0.258955	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
B3	.000000	.000000	0.035166	.000000
B4	.000000	.000000	0.017409	.000000
B5	.000000	.000000	0.014781	.000000
B6	.000000	.000000	0.014781	.000000
B7	.000000	.000000	0.017409	.000000
B8	.000000	.000000	0.035213	.000000
C3	.000000	.000000	0.068540	.000000
C4	.000000	.000000	0.033886	.000000
C7	.000000	.000000	0.033886	.000000
C8	.000000	.000000	0.068631	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	0.101865	.000000
D4	.000000	.000000	0.050312	.000000
D5	.000000	.000000	0.042708	.000000
D6	.000000	.000000	0.042708	.000000
D7	.000000	.000000	0.050312	.000000
D8	.000000	.000000	0.101999	.000000
D9	.000000	.000000	.000000	.000000
E2	9.06E-05	.000000	0.006704	.000000
E3	9.07E-05	.000000	0.112786	.000000
E4	6.97E-05	.000000	0.055683	.000000
E5	4.88E-05	.000000	0.047265	.000000
E6	4.88E-05	.000000	0.047265	.000000
E7	6.98E-05	.000000	0.055683	.000000
E8	9.08E-05	.000000	0.112935	.000000
E9	9.07E-05	.000000	0.006855	.000000
F2	0.042814	.000000	0.020465	.000000
F3	0.042814	.000000	0.134775	.000000
F8	0.042890	.000000	0.134955	.000000
F9	0.042890	.000000	0.020930	.000000
G2	0.132655	.000000	0.040248	.000000

G3	0.128280	.000000	0.166292	.000000
G4	0.123905	.000000	0.080925	.000000
G5	0.119529	.000000	0.069116	.000000
G6	0.119643	.000000	0.069116	.000000
G7	0.124248	.000000	0.080925	.000000
G8	0.128852	.000000	0.166516	.000000
G9	0.133456	.000000	0.041172	.000000
H2	0.247771	.000000	0.060082	.000000
H3	0.243366	.000000	0.195300	.000000
H8	0.244305	.000000	0.195568	.000000
H9	0.248938	.000000	0.061510	.000000
I1	0.002400	.000000	0.137921	.000000
I2	0.002343	.000000	0.088779	.000000
I3	0.001755	.000000	0.221721	.000000
I4	0.001168	.000000	0.105821	.000000
I5	0.000580	.000000	0.091757	.000000
I6	0.000577	.000000	0.091757	.000000
I7	0.001165	.000000	0.105821	.000000
I8	0.001753	.000000	0.221990	.000000
I9	0.002341	.000000	0.090710	.000000
J1	0.111667	.000000	0.122960	.000000
J2	0.111625	.000000	0.115872	.000000
J3	0.111504	.000000	0.245585	.000000
J8	0.112073	.000000	0.245854	.000000
J9	0.112194	.000000	0.118306	0.002975
K1	0.003359	.000000	0.161171	.000000
K2	0.003099	.000000	0.142116	.000000
K3	0.002342	.000000	0.268681	.000000
K4	0.001586	.000000	0.125955	.000000
K5	0.000829	.000000	0.110972	.000000
K6	0.000831	.000000	0.110972	.000000
K7	0.001588	.000000	0.125955	.000000
K8	0.002346	.000000	0.268950	.000000
K9	0.003103	.000000	0.145053	.000000
L1	0.108758	.000000	0.146030	.000000
L2	0.108674	.000000	0.165728	.000000
L3	0.108555	.000000	0.289214	.000000
L8	0.109459	.000000	0.289483	.000000
L9	0.109578	.000000	0.169168	.000000
M1	0.009857	.000000	0.181935	.000000
M2	0.009572	.000000	0.188484	.000000
M3	0.005412	.000000	0.308979	.000000
M4	0.003441	.000000	0.141957	.000000
M5	0.001470	.000000	0.126817	.000000
M6	0.001472	.000000	0.126817	.000000
M7	0.003443	.000000	0.141957	.000000
M8	0.005415	.000000	0.309249	.000000
M9	0.009534	.000000	0.192428	.000000
N1	0.075194	.000000	0.173352	.000000
N2	0.074594	.000000	0.203523	.000000
N3	0.075792	.000000	0.322080	.000000
N8	0.076694	.000000	0.322341	.000000
N9	0.075523	.000000	0.207821	.000000
O4	0.235760	.000000	0.155731	.000000
O7	0.235977	.000000	0.155731	.000000
P1	0.238305	.000000	0.254587	.000000
P2	0.237296	.000000	0.212728	.000000
P3	0.236528	.000000	0.332202	.000000
P4	0.235760	.000000	0.157348	.000000
P5	0.234992	.000000	0.142208	.000000
P6	0.235063	.000000	0.142208	.000000
P7	0.235977	.000000	0.157348	.000000
P8	0.236890	.000000	0.332463	.000000

P9	0.237804	.000000	0.217955	.000000
E2A	9.06E-05	.000000	0.123248	0.001699
E2B	9.07E-05	.000000	0.130140	0.003326
E3A	8.72E-05	.000000	0.152074	0.004081
E3B	8.02E-05	.000000	0.179450	0.000961
E3C	7.32E-05	.000000	0.113265	0.004485
E4A	6.63E-05	.000000	0.087245	0.002277
E4B	5.75E-05	.000000	0.111691	0.000869
E6A	5.76E-05	.000000	0.111691	0.000869
E6B	6.63E-05	.000000	0.087245	0.002277
E7A	7.33E-05	.000000	0.113290	0.004487
E7B	8.03E-05	.000000	0.179525	0.000963
E7C	8.73E-05	.000000	0.152199	0.004083
E8A	9.08E-05	.000000	0.130291	0.003326
E8B	9.07E-05	.000000	0.123402	0.001699
G2A	0.131744	.000000	0.189160	0.008725
G2B	0.130285	.000000	0.311225	0.002044
G2C	0.128827	.000000	0.231383	0.009357
G3A	0.127368	.000000	0.265769	0.007182
G3B	0.125910	.000000	0.306346	0.002481
G3C	0.124452	.000000	0.164750	0.008929
G4A	0.122325	.000000	0.131516	0.000992
G6A	0.122585	.000000	0.131516	0.000992
G7A	0.124823	.000000	0.164778	0.008932
G7B	0.126358	.000000	0.306449	0.002484
G7C	0.127893	.000000	0.265946	0.007185
G8A	0.129427	.000000	0.231699	0.009364
G8B	0.130962	.000000	0.311790	0.002051
G8C	0.132497	.000000	0.189973	0.008732
I10	0.002399	.000000	0.140301	.000000
I1A	0.002382	.000000	0.122600	0.004102
I2A	0.002216	.000000	0.268419	0.009907
I2B	0.002021	.000000	0.395080	0.002786
I2C	0.001825	.000000	0.293281	0.010750
I3A	0.001629	.000000	0.307253	0.006827
I3B	0.001433	.000000	0.326683	0.003252
I3C	0.001237	.000000	0.180119	0.008528
I4A	0.001070	.000000	0.115835	0.000899
I6A	0.001067	.000000	0.115835	0.000899
I7A	0.001235	.000000	0.180150	0.008532
I7B	0.001431	.000000	0.326804	0.003256
I7C	0.001627	.000000	0.307464	0.006831
I8A	0.001823	.000000	0.293751	0.010770
I8B	0.002019	.000000	0.396119	0.002806
I8C	0.002215	.000000	0.270027	0.009926
I9A	0.002380	.000000	0.124837	0.004138
J10	0.112236	.000000	0.126231	0.002983
K10	0.003363	.000000	0.164849	.000000
K1A	0.003331	.000000	0.165616	0.003277
K1B	0.003165	.000000	0.162663	0.003013
K2A	0.002947	.000000	0.323005	0.011022
K2B	0.002695	.000000	0.466567	0.002571
K2C	0.002443	.000000	0.357783	0.011531
K3A	0.002190	.000000	0.327134	0.006251
K3B	0.001865	.000000	0.304447	0.004709
K7A	0.001868	.000000	0.304546	0.004713
K7B	0.002194	.000000	0.327349	0.006255
K8A	0.002446	.000000	0.358412	0.011564
K8B	0.002698	.000000	0.468100	0.002604
K8C	0.002951	.000000	0.325443	0.011055
K9A	0.003169	.000000	0.165789	0.003033
K9B	0.003335	.000000	0.169215	0.003297
L10	0.109661	.000000	0.150774	.000000

M10	0.009819	.000000	0.186921	.000000
M3A	0.004755	.000000	0.291947	0.003442
M7A	0.004758	.000000	0.292127	0.003446
N10	0.076122	.000000	0.179249	.000000
N1A	0.075144	.000000	0.186382	0.003409
N1B	0.074943	.000000	0.224764	0.002172
N1C	0.074742	.000000	0.224298	0.002905
N2A	0.074702	.000000	0.224305	0.003613
N2B	0.075101	.000000	0.287927	0.002476
N2C	0.075500	.000000	0.317781	0.002551
N8A	0.076409	.000000	0.319037	0.002603
N8B	0.076018	.000000	0.290544	0.002528
N8C	0.075628	.000000	0.228265	0.003665
N9A	0.075670	.000000	0.228987	0.002927
N9B	0.075871	.000000	0.229990	0.002195
N9C	0.076072	.000000	0.192145	0.003431
P10	0.239005	.000000	0.261407	.000000

COMBDEADLOAD ---------- MIN

JOINT	UX	UY	UZ	RY
3	-0.038290	.000000	-0.256731	.000000
4	-0.038230	.000000	-0.258955	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
B3	.000000	.000000	-0.035166	.000000
B4	.000000	.000000	-0.017409	.000000
B5	.000000	.000000	-0.014781	.000000
B6	.000000	.000000	-0.014781	.000000
B7	.000000	.000000	-0.017409	.000000
B8	.000000	.000000	-0.035213	.000000
C3	.000000	.000000	-0.068540	.000000
C4	.000000	.000000	-0.033886	.000000
C7	.000000	.000000	-0.033886	.000000
C8	.000000	.000000	-0.068631	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	-0.101865	.000000
D4	.000000	.000000	-0.050312	.000000
D5	.000000	.000000	-0.042708	.000000
D6	.000000	.000000	-0.042708	.000000
D7	.000000	.000000	-0.050312	.000000
D8	.000000	.000000	-0.101999	.000000
D9	.000000	.000000	.000000	.000000
E2	-9.06E-05	.000000	-0.006704	.000000
E3	-9.07E-05	.000000	-0.112786	.000000
E4	-6.97E-05	.000000	-0.055683	.000000
E5	-4.88E-05	.000000	-0.047265	.000000
E6	-4.88E-05	.000000	-0.047265	.000000
E7	-6.98E-05	.000000	-0.055683	.000000
E8	-9.08E-05	.000000	-0.112935	.000000
E9	-9.07E-05	.000000	-0.006855	.000000
F2	-0.042814	.000000	-0.020465	.000000
F3	-0.042814	.000000	-0.134775	.000000
F8	-0.042890	.000000	-0.134955	.000000
F9	-0.042890	.000000	-0.020930	.000000
G2	-0.132655	.000000	-0.040248	.000000
G3	-0.128280	.000000	-0.166292	.000000
G4	-0.123905	.000000	-0.080925	.000000
G5	-0.119529	.000000	-0.069116	.000000

G6	-0.119643	.000000	-0.069116	.000000
G7	-0.124248	.000000	-0.080925	.000000
G8	-0.128852	.000000	-0.166516	.000000
G9	-0.133456	.000000	-0.041172	.000000
H2	-0.247771	.000000	-0.060082	.000000
H3	-0.243366	.000000	-0.195300	.000000
H8	-0.244305	.000000	-0.195568	.000000
H9	-0.248938	.000000	-0.061510	.000000
I1	-0.002400	.000000	-0.137921	.000000
I2	-0.002343	.000000	-0.088779	.000000
I3	-0.001755	.000000	-0.221721	.000000
I4	-0.001168	.000000	-0.105821	.000000
I5	-0.000580	.000000	-0.091757	.000000
I6	-0.000577	.000000	-0.091757	.000000
I7	-0.001165	.000000	-0.105821	.000000
I8	-0.001753	.000000	-0.221990	.000000
I9	-0.002341	.000000	-0.090710	.000000
J1	-0.111667	.000000	-0.122960	.000000
J2	-0.111625	.000000	-0.115872	.000000
J3	-0.111504	.000000	-0.245585	.000000
J8	-0.112073	.000000	-0.245854	.000000
J9	-0.112194	.000000	-0.118306	-0.002975
K1	-0.003359	.000000	-0.161171	.000000
K2	-0.003099	.000000	-0.142116	.000000
K3	-0.002342	.000000	-0.268681	.000000
K4	-0.001586	.000000	-0.125955	.000000
K5	-0.000829	.000000	-0.110972	.000000
K6	-0.000831	.000000	-0.110972	.000000
K7	-0.001588	.000000	-0.125955	.000000
K8	-0.002346	.000000	-0.268950	.000000
K9	-0.003103	.000000	-0.145053	.000000
L1	-0.108758	.000000	-0.146030	.000000
L2	-0.108674	.000000	-0.165728	.000000
L3	-0.108555	.000000	-0.289214	.000000
L8	-0.109459	.000000	-0.289483	.000000
L9	-0.109578	.000000	-0.169168	.000000
M1	-0.009857	.000000	-0.181935	.000000
M2	-0.009572	.000000	-0.188484	.000000
M3	-0.005412	.000000	-0.308979	.000000
M4	-0.003441	.000000	-0.141957	.000000
M5	-0.001470	.000000	-0.126817	.000000
M6	-0.001472	.000000	-0.126817	.000000
M7	-0.003443	.000000	-0.141957	.000000
M8	-0.005415	.000000	-0.309249	.000000
M9	-0.009534	.000000	-0.192428	.000000
N1	-0.075194	.000000	-0.173352	.000000
N2	-0.074594	.000000	-0.203523	.000000
N3	-0.075792	.000000	-0.322080	.000000
N8	-0.076694	.000000	-0.322341	.000000
N9	-0.075523	.000000	-0.207821	.000000
O4	-0.235760	.000000	-0.155731	.000000
O7	-0.235977	.000000	-0.155731	.000000
P1	-0.238305	.000000	-0.254587	.000000
P2	-0.237296	.000000	-0.212728	.000000
P3	-0.236528	.000000	-0.332202	.000000
P4	-0.235760	.000000	-0.157348	.000000
P5	-0.234992	.000000	-0.142208	.000000
P6	-0.235063	.000000	-0.142208	.000000
P7	-0.235977	.000000	-0.157348	.000000
P8	-0.236890	.000000	-0.332463	.000000
P9	-0.237804	.000000	-0.217955	.000000
E2A	-9.06E-05	.000000	-0.123248	-0.001699
E2B	-9.07E-05	.000000	-0.130140	-0.003326

E3A	-8.72E-05	.000000	-0.152074	-0.004081
E3B	-8.02E-05	.000000	-0.179450	-0.000961
E3C	-7.32E-05	.000000	-0.113265	-0.004485
E4A	-6.63E-05	.000000	-0.087245	-0.002277
E4B	-5.75E-05	.000000	-0.111691	-0.000869
E6A	-5.76E-05	.000000	-0.111691	-0.000869
E6B	-6.63E-05	.000000	-0.087245	-0.002277
E7A	-7.33E-05	.000000	-0.113290	-0.004487
E7B	-8.03E-05	.000000	-0.179525	-0.000963
E7C	-8.73E-05	.000000	-0.152199	-0.004083
E8A	-9.08E-05	.000000	-0.130291	-0.003326
E8B	-9.07E-05	.000000	-0.123402	-0.001699
G2A	-0.131744	.000000	-0.189160	-0.008725
G2B	-0.130285	.000000	-0.311225	-0.002044
G2C	-0.128827	.000000	-0.231383	-0.009357
G3A	-0.127368	.000000	-0.265769	-0.007182
G3B	-0.125910	.000000	-0.306346	-0.002481
G3C	-0.124452	.000000	-0.164750	-0.008929
G4A	-0.122325	.000000	-0.131516	-0.000992
G6A	-0.122585	.000000	-0.131516	-0.000992
G7A	-0.124823	.000000	-0.164778	-0.008932
G7B	-0.126358	.000000	-0.306449	-0.002484
G7C	-0.127893	.000000	-0.265946	-0.007185
G8A	-0.129427	.000000	-0.231699	-0.009364
G8B	-0.130962	.000000	-0.311790	-0.002051
G8C	-0.132497	.000000	-0.189973	-0.008732
I10	-0.002399	.000000	-0.140301	.000000
I1A	-0.002382	.000000	-0.122600	-0.004102
I2A	-0.002216	.000000	-0.268419	-0.009907
I2B	-0.002021	.000000	-0.395080	-0.002786
I2C	-0.001825	.000000	-0.293281	-0.010750
I3A	-0.001629	.000000	-0.307253	-0.006827
I3B	-0.001433	.000000	-0.326683	-0.003252
I3C	-0.001237	.000000	-0.180119	-0.008528
I4A	-0.001070	.000000	-0.115835	-0.000899
I6A	-0.001067	.000000	-0.115835	-0.000899
I7A	-0.001235	.000000	-0.180150	-0.008532
I7B	-0.001431	.000000	-0.326804	-0.003256
I7C	-0.001627	.000000	-0.307464	-0.006831
I8A	-0.001823	.000000	-0.293751	-0.010770
I8B	-0.002019	.000000	-0.396119	-0.002806
I8C	-0.002215	.000000	-0.270027	-0.009926
I9A	-0.002380	.000000	-0.124837	-0.004138
J10	-0.112236	.000000	-0.126231	-0.002983
K10	-0.003363	.000000	-0.164849	.000000
K1A	-0.003331	.000000	-0.165616	-0.003277
K1B	-0.003165	.000000	-0.162663	-0.003013
K2A	-0.002947	.000000	-0.323005	-0.011022
K2B	-0.002695	.000000	-0.466567	-0.002571
K2C	-0.002443	.000000	-0.357783	-0.011531
K3A	-0.002190	.000000	-0.327134	-0.006251
K3B	-0.001865	.000000	-0.304447	-0.004709
K7A	-0.001868	.000000	-0.304546	-0.004713
K7B	-0.002194	.000000	-0.327349	-0.006255
K8A	-0.002446	.000000	-0.358412	-0.011564
K8B	-0.002698	.000000	-0.468100	-0.002604
K8C	-0.002951	.000000	-0.325443	-0.011055
K9A	-0.003169	.000000	-0.165789	-0.003033
K9B	-0.003335	.000000	-0.169215	-0.003297
L10	-0.109661	.000000	-0.150774	.000000
M10	-0.009819	.000000	-0.186921	.000000
M3A	-0.004755	.000000	-0.291947	-0.003442
M7A	-0.004758	.000000	-0.292127	-0.003446

N10	-0.076122	.000000	-0.179249	.000000
N1A	-0.075144	.000000	-0.186382	-0.003409
N1B	-0.074943	.000000	-0.224764	-0.002172
N1C	-0.074742	.000000	-0.224298	-0.002905
N2A	-0.074702	.000000	-0.224305	-0.003613
N2B	-0.075101	.000000	-0.287927	-0.002476
N2C	-0.075500	.000000	-0.317781	-0.002551
N8A	-0.076409	.000000	-0.319037	-0.002603
N8B	-0.076018	.000000	-0.290544	-0.002528
N8C	-0.075628	.000000	-0.228265	-0.003665
N9A	-0.075670	.000000	-0.228987	-0.002927
N9B	-0.075871	.000000	-0.229990	-0.002195
N9C	-0.076072	.000000	-0.192145	-0.003431
P10	-0.239005	.000000	-0.261407	.000000

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S P R I N G F O R C E S

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

LOAD DEAD ----------

JOINT	FX	FY	FZ	MY
3	.000000	.000000	.000000	.000000
4	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
B3	.000000	.000000	.000000	.000000
B4	.000000	.000000	.000000	.000000
B5	.000000	.000000	.000000	.000000
B6	.000000	.000000	.000000	.000000
B7	.000000	.000000	.000000	.000000
B8	.000000	.000000	.000000	.000000
C3	.000000	.000000	.000000	.000000
C4	.000000	.000000	.000000	.000000
C7	.000000	.000000	.000000	.000000
C8	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	0.000144	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	-0.000144	.000000	.000000	.000000
F2	-0.117527	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000

F8	.000000	.000000	.000000	.000000
F9	0.117527	.000000	.000000	.000000
G2	-0.049247	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	0.049248	.000000	.000000	.000000
H2	-0.354293	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	0.354294	.000000	.000000	.000000
I1	0.010894	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	-0.243333	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	-4.68E-06
K1	0.013658	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	-0.221370	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	0.023649	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	-0.130534	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	0.009124	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000

P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-4.14E-05
E2B	.000000	.000000	.000000	0.000130
E3A	.000000	.000000	.000000	-0.000159
E3B	.000000	.000000	.000000	1.22E-05
E3C	.000000	.000000	.000000	0.000184
E4A	.000000	.000000	.000000	-0.000171
E4B	.000000	.000000	.000000	5.05E-05
E6A	.000000	.000000	.000000	-5.05E-05
E6B	.000000	.000000	.000000	0.000171
E7A	.000000	.000000	.000000	-0.000184
E7B	.000000	.000000	.000000	-1.22E-05
E7C	.000000	.000000	.000000	0.000159
E8A	.000000	.000000	.000000	-0.000130
E8B	.000000	.000000	.000000	4.14E-05
G2A	.000000	.000000	.000000	-0.000203
G2B	.000000	.000000	.000000	-2.11E-05
G2C	.000000	.000000	.000000	0.000138
G3A	.000000	.000000	.000000	-0.000138
G3B	.000000	.000000	.000000	4.32E-05
G3C	.000000	.000000	.000000	0.000202
G4A	.000000	.000000	.000000	-8.12E-05
G6A	.000000	.000000	.000000	8.12E-05
G7A	.000000	.000000	.000000	-0.000202
G7B	.000000	.000000	.000000	-4.32E-05
G7C	.000000	.000000	.000000	0.000138
G8A	.000000	.000000	.000000	-0.000138
G8B	.000000	.000000	.000000	2.11E-05
G8C	.000000	.000000	.000000	0.000203
I10	-0.010885	.000000	.000000	.000000
I1A	.000000	.000000	.000000	5.84E-05
I2A	.000000	.000000	.000000	-0.000201
I2B	.000000	.000000	.000000	-1.83E-05
I2C	.000000	.000000	.000000	0.000138
I3A	.000000	.000000	.000000	-0.000130
I3B	.000000	.000000	.000000	5.26E-05
I3C	.000000	.000000	.000000	0.000209
I4A	.000000	.000000	.000000	-0.000171
I6A	.000000	.000000	.000000	0.000171
I7A	.000000	.000000	.000000	-0.000209
I7B	.000000	.000000	.000000	-5.26E-05
I7C	.000000	.000000	.000000	0.000130
I8A	.000000	.000000	.000000	-0.000138
I8B	.000000	.000000	.000000	1.83E-05
I8C	.000000	.000000	.000000	0.000201
I9A	.000000	.000000	.000000	-5.84E-05
J10	0.243342	.000000	.000000	1.22E-05
K10	-0.013668	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-1.56E-05
K1B	.000000	.000000	.000000	3.05E-05
K2A	.000000	.000000	.000000	-0.000205
K2B	.000000	.000000	.000000	-2.49E-05
K2C	.000000	.000000	.000000	0.000137
K3A	.000000	.000000	.000000	-0.000132
K3B	.000000	.000000	.000000	0.000105
K7A	.000000	.000000	.000000	-0.000105
K7B	.000000	.000000	.000000	0.000132
K8A	.000000	.000000	.000000	-0.000137
K8B	.000000	.000000	.000000	2.49E-05
K8C	.000000	.000000	.000000	0.000205

K9A	.000000	.000000	.000000	-3.05E-05
K9B	.000000	.000000	.000000	1.56E-05
L10	0.221361	.000000	.000000	.000000
M10	-0.023653	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-6.75E-05
M7A	.000000	.000000	.000000	6.75E-05
N10	0.130530	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-7.98E-05
N1B	.000000	.000000	.000000	-2.22E-05
N1C	.000000	.000000	.000000	5.29E-05
N2A	.000000	.000000	.000000	-0.000121
N2B	.000000	.000000	.000000	-6.23E-05
N2C	.000000	.000000	.000000	1.37E-05
N8A	.000000	.000000	.000000	-1.37E-05
N8B	.000000	.000000	.000000	6.23E-05
N8C	.000000	.000000	.000000	0.000121
N9A	.000000	.000000	.000000	-5.29E-05
N9B	.000000	.000000	.000000	2.22E-05
N9C	.000000	.000000	.000000	7.98E-05
P10	-0.009119	.000000	.000000	.000000

LOADMANIFOLD ----------

JOINT	FX	FY	FZ	MY
3	.000000	.000000	.000000	.000000
4	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
B3	.000000	.000000	.000000	.000000
B4	.000000	.000000	.000000	.000000
B5	.000000	.000000	.000000	.000000
B6	.000000	.000000	.000000	.000000
B7	.000000	.000000	.000000	.000000
B8	.000000	.000000	.000000	.000000
C3	.000000	.000000	.000000	.000000
C4	.000000	.000000	.000000	.000000
C7	.000000	.000000	.000000	.000000
C8	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	0.001686	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	-0.001686	.000000	.000000	.000000
F2	-1.379305	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	1.379305	.000000	.000000	.000000
G2	0.006083	.000000	.000000	.000000

G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	-0.006074	.000000	.000000	.000000
H2	-3.551857	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	3.551867	.000000	.000000	.000000
I1	0.006668	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	-3.899476	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	0.000885
K1	0.006666	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	-3.896112	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	0.177546	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	-2.150111	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	-9.74E-14	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000

P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-0.000472
E2B	.000000	.000000	.000000	-0.000472
E3A	.000000	.000000	.000000	0.000497
E3B	.000000	.000000	.000000	0.000497
E3C	.000000	.000000	.000000	0.000497
E4A	.000000	.000000	.000000	2.03E-11
E4B	.000000	.000000	.000000	2.03E-11
E6A	.000000	.000000	.000000	-2.03E-11
E6B	.000000	.000000	.000000	-2.03E-11
E7A	.000000	.000000	.000000	-0.000497
E7B	.000000	.000000	.000000	-0.000497
E7C	.000000	.000000	.000000	-0.000497
E8A	.000000	.000000	.000000	0.000472
E8B	.000000	.000000	.000000	0.000472
G2A	.000000	.000000	.000000	-0.000595
G2B	.000000	.000000	.000000	-0.000595
G2C	.000000	.000000	.000000	-0.000595
G3A	.000000	.000000	.000000	0.000744
G3B	.000000	.000000	.000000	0.000744
G3C	.000000	.000000	.000000	0.000744
G4A	.000000	.000000	.000000	2.90E-11
G6A	.000000	.000000	.000000	-2.90E-11
G7A	.000000	.000000	.000000	-0.000744
G7B	.000000	.000000	.000000	-0.000744
G7C	.000000	.000000	.000000	-0.000744
G8A	.000000	.000000	.000000	0.000595
G8B	.000000	.000000	.000000	0.000595
G8C	.000000	.000000	.000000	0.000595
I10	-0.006677	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.000107
I2A	.000000	.000000	.000000	-0.000668
I2B	.000000	.000000	.000000	-0.000668
I2C	.000000	.000000	.000000	-0.000668
I3A	.000000	.000000	.000000	0.001038
I3B	.000000	.000000	.000000	0.001038
I3C	.000000	.000000	.000000	0.001038
I4A	.000000	.000000	.000000	3.70E-11
I6A	.000000	.000000	.000000	-3.70E-11
I7A	.000000	.000000	.000000	-0.001038
I7B	.000000	.000000	.000000	-0.001038
I7C	.000000	.000000	.000000	-0.001038
I8A	.000000	.000000	.000000	0.000668
I8B	.000000	.000000	.000000	0.000668
I8C	.000000	.000000	.000000	0.000668
I9A	.000000	.000000	.000000	0.000107
J10	3.899466	.000000	.000000	0.000885
K10	-0.006666	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.000601
K1B	.000000	.000000	.000000	-0.000601
K2A	.000000	.000000	.000000	-0.000667
K2B	.000000	.000000	.000000	-0.000667
K2C	.000000	.000000	.000000	-0.000667
K3A	.000000	.000000	.000000	0.001332
K3B	.000000	.000000	.000000	0.001332
K7A	.000000	.000000	.000000	-0.001332
K7B	.000000	.000000	.000000	-0.001332
K8A	.000000	.000000	.000000	0.000667
K8B	.000000	.000000	.000000	0.000667
K8C	.000000	.000000	.000000	0.000667
K9A	.000000	.000000	.000000	0.000601
K9B	.000000	.000000	.000000	0.000601
L10	3.896112	.000000	.000000	.000000

M10	-0.177546	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.001626
M7A	.000000	.000000	.000000	-0.001626
N10	2.150111	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.000792
N1B	.000000	.000000	.000000	-0.000792
N1C	.000000	.000000	.000000	-0.000792
N2A	.000000	.000000	.000000	-0.000667
N2B	.000000	.000000	.000000	-0.000667
N2C	.000000	.000000	.000000	-0.000667
N8A	.000000	.000000	.000000	0.000667
N8B	.000000	.000000	.000000	0.000667
N8C	.000000	.000000	.000000	0.000667
N9A	.000000	.000000	.000000	0.000792
N9B	.000000	.000000	.000000	0.000792
N9C	.000000	.000000	.000000	0.000792
P10	-9.68E-14	.000000	.000000	.000000

LOAD TBAR ----------

JOINT	FX	FY	FZ	MY
3	.000000	.000000	.000000	.000000
4	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
B3	.000000	.000000	.000000	.000000
B4	.000000	.000000	.000000	.000000
B5	.000000	.000000	.000000	.000000
B6	.000000	.000000	.000000	.000000
B7	.000000	.000000	.000000	.000000
B8	.000000	.000000	.000000	.000000
C3	.000000	.000000	.000000	.000000
C4	.000000	.000000	.000000	.000000
C7	.000000	.000000	.000000	.000000
C8	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	0.000999	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	-0.000999	.000000	.000000	.000000
F2	-0.817286	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	0.817286	.000000	.000000	.000000
G2	-0.242669	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000

G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	0.242654	.000000	.000000	.000000
H2	-2.309934	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	2.309919	.000000	.000000	.000000
I1	0.049517	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	-1.745942	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	7.24E-05
K1	0.119614	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	-1.450245	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	0.095097	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	-0.872338	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	-7.88E-14	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-0.000504
E2B	.000000	.000000	.000000	0.002042

E3A	.000000	.000000	.000000	-0.003207
E3B	.000000	.000000	.000000	0.000235
E3C	.000000	.000000	.000000	0.003587
E4A	.000000	.000000	.000000	-0.000746
E4B	.000000	.000000	.000000	0.000423
E6A	.000000	.000000	.000000	-0.000423
E6B	.000000	.000000	.000000	0.000746
E7A	.000000	.000000	.000000	-0.003587
E7B	.000000	.000000	.000000	-0.000235
E7C	.000000	.000000	.000000	0.003207
E8A	.000000	.000000	.000000	-0.002042
E8B	.000000	.000000	.000000	0.000504
G2A	.000000	.000000	.000000	-0.007090
G2B	.000000	.000000	.000000	0.000591
G2C	.000000	.000000	.000000	0.007787
G3A	.000000	.000000	.000000	-0.005976
G3B	.000000	.000000	.000000	0.001370
G3C	.000000	.000000	.000000	0.007659
G4A	.000000	.000000	.000000	0.000116
G6A	.000000	.000000	.000000	-0.000116
G7A	.000000	.000000	.000000	-0.007659
G7B	.000000	.000000	.000000	-0.001370
G7C	.000000	.000000	.000000	0.005976
G8A	.000000	.000000	.000000	-0.007787
G8B	.000000	.000000	.000000	-0.000591
G8C	.000000	.000000	.000000	0.007090
I10	-0.049471	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.000294
I2A	.000000	.000000	.000000	-0.008133
I2B	.000000	.000000	.000000	0.001196
I2C	.000000	.000000	.000000	0.009040
I3A	.000000	.000000	.000000	-0.004876
I3B	.000000	.000000	.000000	0.001700
I3C	.000000	.000000	.000000	0.006384
I4A	.000000	.000000	.000000	0.000131
I6A	.000000	.000000	.000000	-0.000131
I7A	.000000	.000000	.000000	-0.006384
I7B	.000000	.000000	.000000	-0.001700
I7C	.000000	.000000	.000000	0.004876
I8A	.000000	.000000	.000000	-0.009040
I8B	.000000	.000000	.000000	-0.001196
I8C	.000000	.000000	.000000	0.008133
I9A	.000000	.000000	.000000	-0.000294
J10	1.745989	.000000	.000000	7.24E-05
K10	-0.119653	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.001414
K1B	.000000	.000000	.000000	0.001135
K2A	.000000	.000000	.000000	-0.009163
K2B	.000000	.000000	.000000	0.000891
K2C	.000000	.000000	.000000	0.009740
K3A	.000000	.000000	.000000	-0.001981
K3B	.000000	.000000	.000000	0.001840
K7A	.000000	.000000	.000000	-0.001840
K7B	.000000	.000000	.000000	0.001981
K8A	.000000	.000000	.000000	-0.009740
K8B	.000000	.000000	.000000	-0.000891
K8C	.000000	.000000	.000000	0.009163
K9A	.000000	.000000	.000000	-0.001135
K9B	.000000	.000000	.000000	0.001414
L10	1.450205	.000000	.000000	.000000
M10	-0.095089	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000452
M7A	.000000	.000000	.000000	-0.000452

N10	0.872346	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.001622
N1B	.000000	.000000	.000000	-0.000443
N1C	.000000	.000000	.000000	0.001145
N2A	.000000	.000000	.000000	-0.001689
N2B	.000000	.000000	.000000	-0.000612
N2C	.000000	.000000	.000000	0.000735
N8A	.000000	.000000	.000000	-0.000735
N8B	.000000	.000000	.000000	0.000612
N8C	.000000	.000000	.000000	0.001689
N9A	.000000	.000000	.000000	-0.001145
N9B	.000000	.000000	.000000	0.000443
N9C	.000000	.000000	.000000	0.001622
P10	-7.82E-14	.000000	.000000	.000000

LOADTOPCOVER ----------

JOINT	FX	FY	FZ	MY
3	.000000	.000000	.000000	.000000
4	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
B3	.000000	.000000	.000000	.000000
B4	.000000	.000000	.000000	.000000
B5	.000000	.000000	.000000	.000000
B6	.000000	.000000	.000000	.000000
B7	.000000	.000000	.000000	.000000
B8	.000000	.000000	.000000	.000000
C3	.000000	.000000	.000000	.000000
C4	.000000	.000000	.000000	.000000
C7	.000000	.000000	.000000	.000000
C8	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	0.000800	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	-0.000800	.000000	.000000	.000000
F2	-0.654780	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	0.654780	.000000	.000000	.000000
G2	-0.385402	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000

G9	0.385402	.000000	.000000	.000000
H2	-2.366072	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	2.366073	.000000	.000000	.000000
I1	0.003045	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	-1.752900	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	7.60E-05
K1	0.002951	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	-1.751484	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	0.081790	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	-0.959037	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	0.341064	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-0.000233
E2B	.000000	.000000	.000000	-0.000233
E3A	.000000	.000000	.000000	1.93E-05
E3B	.000000	.000000	.000000	1.93E-05
E3C	.000000	.000000	.000000	1.93E-05

E4A	.000000	.000000	.000000	6.42E-13
E4B	.000000	.000000	.000000	6.42E-13
E6A	.000000	.000000	.000000	-6.42E-13
E6B	.000000	.000000	.000000	-6.42E-13
E7A	.000000	.000000	.000000	-1.93E-05
E7B	.000000	.000000	.000000	-1.93E-05
E7C	.000000	.000000	.000000	-1.93E-05
E8A	.000000	.000000	.000000	0.000233
E8B	.000000	.000000	.000000	0.000233
G2A	.000000	.000000	.000000	-0.000276
G2B	.000000	.000000	.000000	-0.000276
G2C	.000000	.000000	.000000	-0.000276
G3A	.000000	.000000	.000000	2.90E-05
G3B	.000000	.000000	.000000	2.90E-05
G3C	.000000	.000000	.000000	2.90E-05
G4A	.000000	.000000	.000000	9.09E-13
G6A	.000000	.000000	.000000	-9.09E-13
G7A	.000000	.000000	.000000	-2.90E-05
G7B	.000000	.000000	.000000	-2.90E-05
G7C	.000000	.000000	.000000	-2.90E-05
G8A	.000000	.000000	.000000	0.000276
G8B	.000000	.000000	.000000	0.000276
G8C	.000000	.000000	.000000	0.000276
I10	-0.002955	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.000354
I2A	.000000	.000000	.000000	-0.000299
I2B	.000000	.000000	.000000	-0.000299
I2C	.000000	.000000	.000000	-0.000299
I3A	.000000	.000000	.000000	3.46E-05
I3B	.000000	.000000	.000000	3.46E-05
I3C	.000000	.000000	.000000	3.46E-05
I4A	.000000	.000000	.000000	1.13E-12
I6A	.000000	.000000	.000000	-1.13E-12
I7A	.000000	.000000	.000000	-3.46E-05
I7B	.000000	.000000	.000000	-3.46E-05
I7C	.000000	.000000	.000000	-3.46E-05
I8A	.000000	.000000	.000000	0.000299
I8B	.000000	.000000	.000000	0.000299
I8C	.000000	.000000	.000000	0.000299
I9A	.000000	.000000	.000000	-0.000354
J10	1.752990	.000000	.000000	7.60E-05
K10	-0.003042	.000000	.000000	.000000
K1A	.000000	.000000	.000000	2.47E-05
K1B	.000000	.000000	.000000	2.47E-05
K2A	.000000	.000000	.000000	-0.000298
K2B	.000000	.000000	.000000	-0.000298
K2C	.000000	.000000	.000000	-0.000298
K3A	.000000	.000000	.000000	3.44E-05
K3B	.000000	.000000	.000000	3.44E-05
K7A	.000000	.000000	.000000	-3.44E-05
K7B	.000000	.000000	.000000	-3.44E-05
K8A	.000000	.000000	.000000	0.000298
K8B	.000000	.000000	.000000	0.000298
K8C	.000000	.000000	.000000	0.000298
K9A	.000000	.000000	.000000	-2.47E-05
K9B	.000000	.000000	.000000	-2.47E-05
L10	1.751393	.000000	.000000	.000000
M10	-0.081888	.000000	.000000	.000000
M3A	.000000	.000000	.000000	3.43E-05
M7A	.000000	.000000	.000000	-3.43E-05
N10	0.958938	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-8.61E-05
N1B	.000000	.000000	.000000	-8.61E-05

N1C	.000000	.000000	.000000	-8.61E-05
N2A	.000000	.000000	.000000	-0.000298
N2B	.000000	.000000	.000000	-0.000298
N2C	.000000	.000000	.000000	-0.000298
N8A	.000000	.000000	.000000	0.000298
N8B	.000000	.000000	.000000	0.000298
N8C	.000000	.000000	.000000	0.000298
N9A	.000000	.000000	.000000	8.61E-05
N9B	.000000	.000000	.000000	8.61E-05
N9C	.000000	.000000	.000000	8.61E-05
P10	-0.340867	.000000	.000000	.000000

LOAD PEWALLS ----------

JOINT	FX	FY	FZ	MY
3	.000000	.000000	.000000	.000000
4	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
B3	.000000	.000000	.000000	.000000
B4	.000000	.000000	.000000	.000000
B5	.000000	.000000	.000000	.000000
B6	.000000	.000000	.000000	.000000
B7	.000000	.000000	.000000	.000000
B8	.000000	.000000	.000000	.000000
C3	.000000	.000000	.000000	.000000
C4	.000000	.000000	.000000	.000000
C7	.000000	.000000	.000000	.000000
C8	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	0.001222	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	-0.001222	.000000	.000000	.000000
F2	-0.999942	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	0.999942	.000000	.000000	.000000
G2	-0.049234	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	0.049236	.000000	.000000	.000000
H2	-2.511442	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000

H8	.000000	.000000	.000000	.000000
H9	2.511444	.000000	.000000	.000000
I1	0.004481	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	-2.615663	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	0.000237
K1	0.004478	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	-2.620722	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	0.072602	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	-1.819206	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	-6.43E-14	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-0.000329
E2B	.000000	.000000	.000000	-0.000329
E3A	.000000	.000000	.000000	-4.07E-05
E3B	.000000	.000000	.000000	-4.07E-05
E3C	.000000	.000000	.000000	-4.07E-05
E4A	.000000	.000000	.000000	-1.68E-12
E4B	.000000	.000000	.000000	-1.68E-12
E6A	.000000	.000000	.000000	1.68E-12

E6B	.000000	.000000	.000000	1.68E-12
E7A	.000000	.000000	.000000	4.07E-05
E7B	.000000	.000000	.000000	4.07E-05
E7C	.000000	.000000	.000000	4.07E-05
E8A	.000000	.000000	.000000	0.000329
E8B	.000000	.000000	.000000	0.000329
G2A	.000000	.000000	.000000	-0.000428
G2B	.000000	.000000	.000000	-0.000428
G2C	.000000	.000000	.000000	-0.000428
G3A	.000000	.000000	.000000	-6.09E-05
G3B	.000000	.000000	.000000	-6.09E-05
G3C	.000000	.000000	.000000	-6.09E-05
G4A	.000000	.000000	.000000	-2.41E-12
G6A	.000000	.000000	.000000	2.41E-12
G7A	.000000	.000000	.000000	6.09E-05
G7B	.000000	.000000	.000000	6.09E-05
G7C	.000000	.000000	.000000	6.09E-05
G8A	.000000	.000000	.000000	0.000428
G8B	.000000	.000000	.000000	0.000428
G8C	.000000	.000000	.000000	0.000428
I10	-0.004471	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.000282
I2A	.000000	.000000	.000000	-0.000493
I2B	.000000	.000000	.000000	-0.000493
I2C	.000000	.000000	.000000	-0.000493
I3A	.000000	.000000	.000000	-8.58E-05
I3B	.000000	.000000	.000000	-8.58E-05
I3C	.000000	.000000	.000000	-8.58E-05
I4A	.000000	.000000	.000000	-3.07E-12
I6A	.000000	.000000	.000000	3.07E-12
I7A	.000000	.000000	.000000	8.58E-05
I7B	.000000	.000000	.000000	8.58E-05
I7C	.000000	.000000	.000000	8.58E-05
I8A	.000000	.000000	.000000	0.000493
I8B	.000000	.000000	.000000	0.000493
I8C	.000000	.000000	.000000	0.000493
I9A	.000000	.000000	.000000	-0.000282
J10	2.615673	.000000	.000000	0.000237
K10	-0.004490	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-2.45E-05
K1B	.000000	.000000	.000000	-2.45E-05
K2A	.000000	.000000	.000000	-0.000516
K2B	.000000	.000000	.000000	-0.000516
K2C	.000000	.000000	.000000	-0.000516
K3A	.000000	.000000	.000000	-0.000111
K3B	.000000	.000000	.000000	-0.000111
K7A	.000000	.000000	.000000	0.000111
K7B	.000000	.000000	.000000	0.000111
K8A	.000000	.000000	.000000	0.000516
K8B	.000000	.000000	.000000	0.000516
K8C	.000000	.000000	.000000	0.000516
K9A	.000000	.000000	.000000	2.45E-05
K9B	.000000	.000000	.000000	2.45E-05
L10	2.620710	.000000	.000000	.000000
M10	-0.072602	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.000137
M7A	.000000	.000000	.000000	0.000137
N10	1.819206	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-9.71E-05
N1B	.000000	.000000	.000000	-9.71E-05
N1C	.000000	.000000	.000000	-9.71E-05
N2A	.000000	.000000	.000000	-0.000548
N2B	.000000	.000000	.000000	-0.000548

N2C	.000000	.000000	.000000	-0.000548
N8A	.000000	.000000	.000000	0.000548
N8B	.000000	.000000	.000000	0.000548
N8C	.000000	.000000	.000000	0.000548
N9A	.000000	.000000	.000000	9.71E-05
N9B	.000000	.000000	.000000	9.71E-05
N9C	.000000	.000000	.000000	9.71E-05
P10	-6.40E-14	.000000	.000000	.000000

LOADHOTBASIN ----------

JOINT	FX	FY	FZ	MY
3	.000000	.000000	.000000	.000000
4	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
B3	.000000	.000000	.000000	.000000
B4	.000000	.000000	.000000	.000000
B5	.000000	.000000	.000000	.000000
B6	.000000	.000000	.000000	.000000
B7	.000000	.000000	.000000	.000000
B8	.000000	.000000	.000000	.000000
C3	.000000	.000000	.000000	.000000
C4	.000000	.000000	.000000	.000000
C7	.000000	.000000	.000000	.000000
C8	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	0.000264	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	-0.000264	.000000	.000000	.000000
F2	-0.216032	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	0.216032	.000000	.000000	.000000
G2	-0.367359	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	0.367359	.000000	.000000	.000000
H2	-1.178832	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	1.178833	.000000	.000000	.000000
I1	0.000427	.000000	.000000	.000000

I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	-0.224166	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	5.55E-05
K1	-0.000317	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	0.160088	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	0.351636	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	0.997362	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	-6.76E-14	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-9.85E-05
E2B	.000000	.000000	.000000	-9.85E-05
E3A	.000000	.000000	.000000	0.000114
E3B	.000000	.000000	.000000	0.000114
E3C	.000000	.000000	.000000	0.000114
E4A	.000000	.000000	.000000	4.52E-12
E4B	.000000	.000000	.000000	4.52E-12
E6A	.000000	.000000	.000000	-4.52E-12
E6B	.000000	.000000	.000000	-4.52E-12
E7A	.000000	.000000	.000000	-0.000114
E7B	.000000	.000000	.000000	-0.000114

E7C	.000000	.000000	.000000	-0.000114
E8A	.000000	.000000	.000000	9.85E-05
E8B	.000000	.000000	.000000	9.85E-05
G2A	.000000	.000000	.000000	-7.54E-05
G2B	.000000	.000000	.000000	-7.54E-05
G2C	.000000	.000000	.000000	-7.54E-05
G3A	.000000	.000000	.000000	0.000171
G3B	.000000	.000000	.000000	0.000171
G3C	.000000	.000000	.000000	0.000171
G4A	.000000	.000000	.000000	6.46E-12
G6A	.000000	.000000	.000000	-6.46E-12
G7A	.000000	.000000	.000000	-0.000171
G7B	.000000	.000000	.000000	-0.000171
G7C	.000000	.000000	.000000	-0.000171
G8A	.000000	.000000	.000000	7.54E-05
G8B	.000000	.000000	.000000	7.54E-05
G8C	.000000	.000000	.000000	7.54E-05
I10	-0.000341	.000000	.000000	.000000
I1A	.000000	.000000	.000000	9.07E-05
I2A	.000000	.000000	.000000	-1.87E-05
I2B	.000000	.000000	.000000	-1.87E-05
I2C	.000000	.000000	.000000	-1.87E-05
I3A	.000000	.000000	.000000	0.000233
I3B	.000000	.000000	.000000	0.000233
I3C	.000000	.000000	.000000	0.000233
I4A	.000000	.000000	.000000	8.21E-12
I6A	.000000	.000000	.000000	-8.21E-12
I7A	.000000	.000000	.000000	-0.000233
I7B	.000000	.000000	.000000	-0.000233
I7C	.000000	.000000	.000000	-0.000233
I8A	.000000	.000000	.000000	1.87E-05
I8B	.000000	.000000	.000000	1.87E-05
I8C	.000000	.000000	.000000	1.87E-05
I9A	.000000	.000000	.000000	-9.07E-05
J10	0.224252	.000000	.000000	5.55E-05
K10	0.000231	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-7.31E-05
K1B	.000000	.000000	.000000	-7.31E-05
K2A	.000000	.000000	.000000	6.17E-05
K2B	.000000	.000000	.000000	6.17E-05
K2C	.000000	.000000	.000000	6.17E-05
K3A	.000000	.000000	.000000	0.000289
K3B	.000000	.000000	.000000	0.000289
K7A	.000000	.000000	.000000	-0.000289
K7B	.000000	.000000	.000000	-0.000289
K8A	.000000	.000000	.000000	-6.17E-05
K8B	.000000	.000000	.000000	-6.17E-05
K8C	.000000	.000000	.000000	-6.17E-05
K9A	.000000	.000000	.000000	7.31E-05
K9B	.000000	.000000	.000000	7.31E-05
L10	-0.160174	.000000	.000000	.000000
M10	-0.351636	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.000346
M7A	.000000	.000000	.000000	-0.000346
N10	-0.997362	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-7.32E-05
N1B	.000000	.000000	.000000	-7.32E-05
N1C	.000000	.000000	.000000	-7.32E-05
N2A	.000000	.000000	.000000	0.000168
N2B	.000000	.000000	.000000	0.000168
N2C	.000000	.000000	.000000	0.000168
N8A	.000000	.000000	.000000	-0.000168
N8B	.000000	.000000	.000000	-0.000168

N8C	.000000	.000000	.000000	-0.000168
N9A	.000000	.000000	.000000	7.32E-05
N9B	.000000	.000000	.000000	7.32E-05
N9C	.000000	.000000	.000000	7.32E-05
P10	-6.68E-14	.000000	.000000	.000000

LOADDRIFTELM ----------

JOINT	FX	FY	FZ	MY
3	.000000	.000000	.000000	.000000
4	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
B3	.000000	.000000	.000000	.000000
B4	.000000	.000000	.000000	.000000
B5	.000000	.000000	.000000	.000000
B6	.000000	.000000	.000000	.000000
B7	.000000	.000000	.000000	.000000
B8	.000000	.000000	.000000	.000000
C3	.000000	.000000	.000000	.000000
C4	.000000	.000000	.000000	.000000
C7	.000000	.000000	.000000	.000000
C8	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	6.12E-05	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	-6.12E-05	.000000	.000000	.000000
F2	-0.050100	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	0.050100	.000000	.000000	.000000
G2	0.000225	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	-0.000225	.000000	.000000	.000000
H2	-0.131547	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	0.131547	.000000	.000000	.000000
I1	0.000297	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000

I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	-0.173524	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	4.43E-06
K1	0.000349	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	-0.204172	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	0.000211	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	-0.154144	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	-2.86E-15	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-1.53E-05
E2B	.000000	.000000	.000000	-1.53E-05
E3A	.000000	.000000	.000000	-2.83E-05
E3B	.000000	.000000	.000000	-2.83E-05
E3C	.000000	.000000	.000000	-2.83E-05
E4A	.000000	.000000	.000000	-0.001360
E4B	.000000	.000000	.000000	0.000395
E6A	.000000	.000000	.000000	-0.000395
E6B	.000000	.000000	.000000	0.001360
E7A	.000000	.000000	.000000	2.83E-05
E7B	.000000	.000000	.000000	2.83E-05
E7C	.000000	.000000	.000000	2.83E-05
E8A	.000000	.000000	.000000	1.53E-05
E8B	.000000	.000000	.000000	1.53E-05

G2A	.000000	.000000	.000000	-2.30E-05
G2B	.000000	.000000	.000000	-2.30E-05
G2C	.000000	.000000	.000000	-2.30E-05
G3A	.000000	.000000	.000000	-4.02E-05
G3B	.000000	.000000	.000000	-4.02E-05
G3C	.000000	.000000	.000000	-4.02E-05
G4A	.000000	.000000	.000000	-0.000794
G6A	.000000	.000000	.000000	0.000794
G7A	.000000	.000000	.000000	4.02E-05
G7B	.000000	.000000	.000000	4.02E-05
G7C	.000000	.000000	.000000	4.02E-05
G8A	.000000	.000000	.000000	2.30E-05
G8B	.000000	.000000	.000000	2.30E-05
G8C	.000000	.000000	.000000	2.30E-05
I10	-0.000297	.000000	.000000	.000000
I1A	.000000	.000000	.000000	2.74E-05
I2A	.000000	.000000	.000000	-3.20E-05
I2B	.000000	.000000	.000000	-3.20E-05
I2C	.000000	.000000	.000000	-3.20E-05
I3A	.000000	.000000	.000000	-0.000406
I3B	.000000	.000000	.000000	-8.41E-05
I3C	.000000	.000000	.000000	0.000520
I4A	.000000	.000000	.000000	-0.000597
I6A	.000000	.000000	.000000	0.000597
I7A	.000000	.000000	.000000	-0.000520
I7B	.000000	.000000	.000000	8.41E-05
I7C	.000000	.000000	.000000	0.000406
I8A	.000000	.000000	.000000	3.20E-05
I8B	.000000	.000000	.000000	3.20E-05
I8C	.000000	.000000	.000000	3.20E-05
I9A	.000000	.000000	.000000	-2.74E-05
J10	0.173524	.000000	.000000	4.43E-06
K10	-0.000349	.000000	.000000	.000000
K1A	.000000	.000000	.000000	9.10E-06
K1B	.000000	.000000	.000000	9.10E-06
K2A	.000000	.000000	.000000	-4.05E-05
K2B	.000000	.000000	.000000	-4.05E-05
K2C	.000000	.000000	.000000	-4.05E-05
K3A	.000000	.000000	.000000	-0.002352
K3B	.000000	.000000	.000000	0.000979
K7A	.000000	.000000	.000000	-0.000979
K7B	.000000	.000000	.000000	0.002352
K8A	.000000	.000000	.000000	4.05E-05
K8B	.000000	.000000	.000000	4.05E-05
K8C	.000000	.000000	.000000	4.05E-05
K9A	.000000	.000000	.000000	-9.10E-06
K9B	.000000	.000000	.000000	-9.10E-06
L10	0.204172	.000000	.000000	.000000
M10	-0.000211	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.000764
M7A	.000000	.000000	.000000	0.000764
N10	0.154144	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-8.60E-07
N1B	.000000	.000000	.000000	-8.60E-07
N1C	.000000	.000000	.000000	-8.60E-07
N2A	.000000	.000000	.000000	-4.48E-05
N2B	.000000	.000000	.000000	-4.48E-05
N2C	.000000	.000000	.000000	-4.48E-05
N8A	.000000	.000000	.000000	4.48E-05
N8B	.000000	.000000	.000000	4.48E-05
N8C	.000000	.000000	.000000	4.48E-05
N9A	.000000	.000000	.000000	8.60E-07
N9B	.000000	.000000	.000000	8.60E-07

N9C	.000000	.000000	.000000	8.60E-07
P10	-2.86E-15	.000000	.000000	.000000

LOADFANMOTOR ----------

JOINT	FX	FY	FZ	MY
3	.000000	.000000	.000000	.000000
4	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
B3	.000000	.000000	.000000	.000000
B4	.000000	.000000	.000000	.000000
B5	.000000	.000000	.000000	.000000
B6	.000000	.000000	.000000	.000000
B7	.000000	.000000	.000000	.000000
B8	.000000	.000000	.000000	.000000
C3	.000000	.000000	.000000	.000000
C4	.000000	.000000	.000000	.000000
C7	.000000	.000000	.000000	.000000
C8	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000

I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	.000000
E2B	.000000	.000000	.000000	.000000
E3A	.000000	.000000	.000000	.000000
E3B	.000000	.000000	.000000	.000000
E3C	.000000	.000000	.000000	.000000
E4A	.000000	.000000	.000000	.000000
E4B	.000000	.000000	.000000	.000000
E6A	.000000	.000000	.000000	.000000
E6B	.000000	.000000	.000000	.000000
E7A	.000000	.000000	.000000	.000000
E7B	.000000	.000000	.000000	.000000
E7C	.000000	.000000	.000000	.000000
E8A	.000000	.000000	.000000	.000000
E8B	.000000	.000000	.000000	.000000
G2A	.000000	.000000	.000000	.000000
G2B	.000000	.000000	.000000	.000000
G2C	.000000	.000000	.000000	.000000

G3A	.000000	.000000	.000000	.000000
G3B	.000000	.000000	.000000	.000000
G3C	.000000	.000000	.000000	.000000
G4A	.000000	.000000	.000000	.000000
G6A	.000000	.000000	.000000	.000000
G7A	.000000	.000000	.000000	.000000
G7B	.000000	.000000	.000000	.000000
G7C	.000000	.000000	.000000	.000000
G8A	.000000	.000000	.000000	.000000
G8B	.000000	.000000	.000000	.000000
G8C	.000000	.000000	.000000	.000000
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	.000000
I2A	.000000	.000000	.000000	.000000
I2B	.000000	.000000	.000000	.000000
I2C	.000000	.000000	.000000	.000000
I3A	.000000	.000000	.000000	.000000
I3B	.000000	.000000	.000000	.000000
I3C	.000000	.000000	.000000	.000000
I4A	.000000	.000000	.000000	.000000
I6A	.000000	.000000	.000000	.000000
I7A	.000000	.000000	.000000	.000000
I7B	.000000	.000000	.000000	.000000
I7C	.000000	.000000	.000000	.000000
I8A	.000000	.000000	.000000	.000000
I8B	.000000	.000000	.000000	.000000
I8C	.000000	.000000	.000000	.000000
I9A	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	.000000
K1B	.000000	.000000	.000000	.000000
K2A	.000000	.000000	.000000	.000000
K2B	.000000	.000000	.000000	.000000
K2C	.000000	.000000	.000000	.000000
K3A	.000000	.000000	.000000	.000000
K3B	.000000	.000000	.000000	.000000
K7A	.000000	.000000	.000000	.000000
K7B	.000000	.000000	.000000	.000000
K8A	.000000	.000000	.000000	.000000
K8B	.000000	.000000	.000000	.000000
K8C	.000000	.000000	.000000	.000000
K9A	.000000	.000000	.000000	.000000
K9B	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	.000000
M7A	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	.000000
N1B	.000000	.000000	.000000	.000000
N1C	.000000	.000000	.000000	.000000
N2A	.000000	.000000	.000000	.000000
N2B	.000000	.000000	.000000	.000000
N2C	.000000	.000000	.000000	.000000
N8A	.000000	.000000	.000000	.000000
N8B	.000000	.000000	.000000	.000000
N8C	.000000	.000000	.000000	.000000
N9A	.000000	.000000	.000000	.000000
N9B	.000000	.000000	.000000	.000000
N9C	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000

LOADCABLETRY ----------

JOINT	FX	FY	FZ	MY
3	.000000	.000000	.000000	.000000
4	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
B3	.000000	.000000	.000000	.000000
B4	.000000	.000000	.000000	.000000
B5	.000000	.000000	.000000	.000000
B6	.000000	.000000	.000000	.000000
B7	.000000	.000000	.000000	.000000
B8	.000000	.000000	.000000	.000000
C3	.000000	.000000	.000000	.000000
C4	.000000	.000000	.000000	.000000
C7	.000000	.000000	.000000	.000000
C8	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	0.003829	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	0.003838	.000000	.000000	.000000
F2	-4.39E-05	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	-0.007623	.000000	.000000	.000000
G2	11.694098	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	11.774197	.000000	.000000	.000000
H2	11.668131	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	11.784914	.000000	.000000	.000000
I1	0.028374	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	0.017984	.000000	.000000	.000000

J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	-0.001247
K1	0.045043	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	0.034599	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	0.048370	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	0.040910	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	-23.425569	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-1.08E-06
E2B	.000000	.000000	.000000	-1.08E-06
E3A	.000000	.000000	.000000	1.03E-06
E3B	.000000	.000000	.000000	1.03E-06
E3C	.000000	.000000	.000000	1.03E-06
E4A	.000000	.000000	.000000	3.43E-14
E4B	.000000	.000000	.000000	3.43E-14
E6A	.000000	.000000	.000000	-1.04E-13
E6B	.000000	.000000	.000000	-1.04E-13
E7A	.000000	.000000	.000000	-3.10E-06
E7B	.000000	.000000	.000000	-3.10E-06
E7C	.000000	.000000	.000000	-3.10E-06
E8A	.000000	.000000	.000000	9.59E-07
E8B	.000000	.000000	.000000	9.59E-07
G2A	.000000	.000000	.000000	-1.85E-06
G2B	.000000	.000000	.000000	-1.85E-06
G2C	.000000	.000000	.000000	-1.85E-06
G3A	.000000	.000000	.000000	1.54E-06
G3B	.000000	.000000	.000000	1.54E-06
G3C	.000000	.000000	.000000	1.54E-06

G4A	.000000	.000000	.000000	4.86E-14
G6A	.000000	.000000	.000000	-1.47E-13
G7A	.000000	.000000	.000000	-4.65E-06
G7B	.000000	.000000	.000000	-4.65E-06
G7C	.000000	.000000	.000000	-4.65E-06
G8A	.000000	.000000	.000000	-8.49E-06
G8B	.000000	.000000	.000000	-8.49E-06
G8C	.000000	.000000	.000000	-8.49E-06
I10	0.028533	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.002425
I2A	.000000	.000000	.000000	-2.16E-06
I2B	.000000	.000000	.000000	-2.16E-06
I2C	.000000	.000000	.000000	-2.16E-06
I3A	.000000	.000000	.000000	1.85E-06
I3B	.000000	.000000	.000000	1.85E-06
I3C	.000000	.000000	.000000	1.85E-06
I4A	.000000	.000000	.000000	6.06E-14
I6A	.000000	.000000	.000000	-1.83E-13
I7A	.000000	.000000	.000000	-5.57E-06
I7B	.000000	.000000	.000000	-5.57E-06
I7C	.000000	.000000	.000000	-5.57E-06
I8A	.000000	.000000	.000000	-2.16E-05
I8B	.000000	.000000	.000000	-2.16E-05
I8C	.000000	.000000	.000000	-2.16E-05
I9A	.000000	.000000	.000000	-0.002461
J10	-0.074763	.000000	.000000	-0.001247
K10	0.045316	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.000807
K1B	.000000	.000000	.000000	-0.000807
K2A	.000000	.000000	.000000	-2.16E-06
K2B	.000000	.000000	.000000	-2.16E-06
K2C	.000000	.000000	.000000	-2.16E-06
K3A	.000000	.000000	.000000	1.85E-06
K3B	.000000	.000000	.000000	1.85E-06
K7A	.000000	.000000	.000000	-5.59E-06
K7B	.000000	.000000	.000000	-5.59E-06
K8A	.000000	.000000	.000000	-3.55E-05
K8B	.000000	.000000	.000000	-3.55E-05
K8C	.000000	.000000	.000000	-3.55E-05
K9A	.000000	.000000	.000000	-0.000827
K9B	.000000	.000000	.000000	-0.000827
L10	-0.124936	.000000	.000000	.000000
M10	0.044461	.000000	.000000	.000000
M3A	.000000	.000000	.000000	1.85E-06
M7A	.000000	.000000	.000000	-5.60E-06
N10	-0.133792	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.000424
N1B	.000000	.000000	.000000	-0.000424
N1C	.000000	.000000	.000000	-0.000424
N2A	.000000	.000000	.000000	-2.17E-06
N2B	.000000	.000000	.000000	-2.17E-06
N2C	.000000	.000000	.000000	-2.17E-06
N8A	.000000	.000000	.000000	-5.45E-05
N8B	.000000	.000000	.000000	-5.45E-05
N8C	.000000	.000000	.000000	-5.45E-05
N9A	.000000	.000000	.000000	-0.000446
N9B	.000000	.000000	.000000	-0.000446
N9C	.000000	.000000	.000000	-0.000446
P10	-23.495871	.000000	.000000	.000000

LOADLOUVERWL ----------

JOINT	FX	FY	FZ	MY

3	.000000	.000000	.000000	.000000
4	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
B3	.000000	.000000	.000000	.000000
B4	.000000	.000000	.000000	.000000
B5	.000000	.000000	.000000	.000000
B6	.000000	.000000	.000000	.000000
B7	.000000	.000000	.000000	.000000
B8	.000000	.000000	.000000	.000000
C3	.000000	.000000	.000000	.000000
C4	.000000	.000000	.000000	.000000
C7	.000000	.000000	.000000	.000000
C8	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	-5.67E-05	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	5.67E-05	.000000	.000000	.000000
F2	0.046357	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	-0.046357	.000000	.000000	.000000
G2	-0.471223	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	0.471218	.000000	.000000	.000000
H2	-0.704947	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	0.704943	.000000	.000000	.000000
I1	0.136340	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	0.493727	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000

J9	.000000	.000000	.000000	-0.000394
K1	0.142804	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	0.536973	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	0.134839	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	0.395786	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	0.054695	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-4.70E-06
E2B	.000000	.000000	.000000	-4.70E-06
E3A	.000000	.000000	.000000	1.42E-05
E3B	.000000	.000000	.000000	1.42E-05
E3C	.000000	.000000	.000000	1.42E-05
E4A	.000000	.000000	.000000	4.11E-13
E4B	.000000	.000000	.000000	4.11E-13
E6A	.000000	.000000	.000000	-4.11E-13
E6B	.000000	.000000	.000000	-4.11E-13
E7A	.000000	.000000	.000000	-1.42E-05
E7B	.000000	.000000	.000000	-1.42E-05
E7C	.000000	.000000	.000000	-1.42E-05
E8A	.000000	.000000	.000000	4.70E-06
E8B	.000000	.000000	.000000	4.70E-06
G2A	.000000	.000000	.000000	3.24E-05
G2B	.000000	.000000	.000000	3.24E-05
G2C	.000000	.000000	.000000	3.24E-05
G3A	.000000	.000000	.000000	2.13E-05
G3B	.000000	.000000	.000000	2.13E-05
G3C	.000000	.000000	.000000	2.13E-05
G4A	.000000	.000000	.000000	5.76E-13
G6A	.000000	.000000	.000000	-5.76E-13
G7A	.000000	.000000	.000000	-2.13E-05

G7B	.000000	.000000	.000000	-2.13E-05
G7C	.000000	.000000	.000000	-2.13E-05
G8A	.000000	.000000	.000000	-3.24E-05
G8B	.000000	.000000	.000000	-3.24E-05
G8C	.000000	.000000	.000000	-3.24E-05
I10	-0.136257	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.000463
I2A	.000000	.000000	.000000	6.01E-05
I2B	.000000	.000000	.000000	6.01E-05
I2C	.000000	.000000	.000000	6.01E-05
I3A	.000000	.000000	.000000	2.26E-05
I3B	.000000	.000000	.000000	2.26E-05
I3C	.000000	.000000	.000000	2.26E-05
I4A	.000000	.000000	.000000	7.04E-13
I6A	.000000	.000000	.000000	-7.04E-13
I7A	.000000	.000000	.000000	-2.26E-05
I7B	.000000	.000000	.000000	-2.26E-05
I7C	.000000	.000000	.000000	-2.26E-05
I8A	.000000	.000000	.000000	-6.01E-05
I8B	.000000	.000000	.000000	-6.01E-05
I8C	.000000	.000000	.000000	-6.01E-05
I9A	.000000	.000000	.000000	-0.000463
J10	-0.493644	.000000	.000000	-0.000394
K10	-0.142884	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.000308
K1B	.000000	.000000	.000000	0.000308
K2A	.000000	.000000	.000000	6.88E-05
K2B	.000000	.000000	.000000	6.88E-05
K2C	.000000	.000000	.000000	6.88E-05
K3A	.000000	.000000	.000000	1.78E-05
K3B	.000000	.000000	.000000	1.78E-05
K7A	.000000	.000000	.000000	-1.78E-05
K7B	.000000	.000000	.000000	-1.78E-05
K8A	.000000	.000000	.000000	-6.88E-05
K8B	.000000	.000000	.000000	-6.88E-05
K8C	.000000	.000000	.000000	-6.88E-05
K9A	.000000	.000000	.000000	-0.000308
K9B	.000000	.000000	.000000	-0.000308
L10	-0.537052	.000000	.000000	.000000
M10	-0.134855	.000000	.000000	.000000
M3A	.000000	.000000	.000000	1.49E-05
M7A	.000000	.000000	.000000	-1.49E-05
N10	-0.395802	.000000	.000000	.000000
N1A	.000000	.000000	.000000	0.000234
N1B	.000000	.000000	.000000	0.000234
N1C	.000000	.000000	.000000	0.000234
N2A	.000000	.000000	.000000	7.41E-05
N2B	.000000	.000000	.000000	7.41E-05
N2C	.000000	.000000	.000000	7.41E-05
N8A	.000000	.000000	.000000	-7.41E-05
N8B	.000000	.000000	.000000	-7.41E-05
N8C	.000000	.000000	.000000	-7.41E-05
N9A	.000000	.000000	.000000	-0.000234
N9B	.000000	.000000	.000000	-0.000234
N9C	.000000	.000000	.000000	-0.000234
P10	-0.054664	.000000	.000000	.000000

LOAD SECDIST ----------

JOINT	FX	FY	FZ	MY
3	.000000	.000000	.000000	.000000
4	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000

A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
B3	.000000	.000000	.000000	.000000
B4	.000000	.000000	.000000	.000000
B5	.000000	.000000	.000000	.000000
B6	.000000	.000000	.000000	.000000
B7	.000000	.000000	.000000	.000000
B8	.000000	.000000	.000000	.000000
C3	.000000	.000000	.000000	.000000
C4	.000000	.000000	.000000	.000000
C7	.000000	.000000	.000000	.000000
C8	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	.000000	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	.000000
F2	.000000	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	.000000
G2	.000000	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	.000000
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	.000000
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000

K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	.000000
E2B	.000000	.000000	.000000	.000000
E3A	.000000	.000000	.000000	.000000
E3B	.000000	.000000	.000000	.000000
E3C	.000000	.000000	.000000	.000000
E4A	.000000	.000000	.000000	.000000
E4B	.000000	.000000	.000000	.000000
E6A	.000000	.000000	.000000	.000000
E6B	.000000	.000000	.000000	.000000
E7A	.000000	.000000	.000000	.000000
E7B	.000000	.000000	.000000	.000000
E7C	.000000	.000000	.000000	.000000
E8A	.000000	.000000	.000000	.000000
E8B	.000000	.000000	.000000	.000000
G2A	.000000	.000000	.000000	.000000
G2B	.000000	.000000	.000000	.000000
G2C	.000000	.000000	.000000	.000000
G3A	.000000	.000000	.000000	.000000
G3B	.000000	.000000	.000000	.000000
G3C	.000000	.000000	.000000	.000000
G4A	.000000	.000000	.000000	.000000
G6A	.000000	.000000	.000000	.000000
G7A	.000000	.000000	.000000	.000000
G7B	.000000	.000000	.000000	.000000
G7C	.000000	.000000	.000000	.000000
G8A	.000000	.000000	.000000	.000000

G8B	.000000	.000000	.000000	.000000
G8C	.000000	.000000	.000000	.000000
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	.000000
I2A	.000000	.000000	.000000	.000000
I2B	.000000	.000000	.000000	.000000
I2C	.000000	.000000	.000000	.000000
I3A	.000000	.000000	.000000	.000000
I3B	.000000	.000000	.000000	.000000
I3C	.000000	.000000	.000000	.000000
I4A	.000000	.000000	.000000	.000000
I6A	.000000	.000000	.000000	.000000
I7A	.000000	.000000	.000000	.000000
I7B	.000000	.000000	.000000	.000000
I7C	.000000	.000000	.000000	.000000
I8A	.000000	.000000	.000000	.000000
I8B	.000000	.000000	.000000	.000000
I8C	.000000	.000000	.000000	.000000
I9A	.000000	.000000	.000000	.000000
J10	.000000	.000000	.000000	.000000
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	.000000
K1B	.000000	.000000	.000000	.000000
K2A	.000000	.000000	.000000	.000000
K2B	.000000	.000000	.000000	.000000
K2C	.000000	.000000	.000000	.000000
K3A	.000000	.000000	.000000	.000000
K3B	.000000	.000000	.000000	.000000
K7A	.000000	.000000	.000000	.000000
K7B	.000000	.000000	.000000	.000000
K8A	.000000	.000000	.000000	.000000
K8B	.000000	.000000	.000000	.000000
K8C	.000000	.000000	.000000	.000000
K9A	.000000	.000000	.000000	.000000
K9B	.000000	.000000	.000000	.000000
L10	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000
M3A	.000000	.000000	.000000	.000000
M7A	.000000	.000000	.000000	.000000
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	.000000
N1B	.000000	.000000	.000000	.000000
N1C	.000000	.000000	.000000	.000000
N2A	.000000	.000000	.000000	.000000
N2B	.000000	.000000	.000000	.000000
N2C	.000000	.000000	.000000	.000000
N8A	.000000	.000000	.000000	.000000
N8B	.000000	.000000	.000000	.000000
N8C	.000000	.000000	.000000	.000000
N9A	.000000	.000000	.000000	.000000
N9B	.000000	.000000	.000000	.000000
N9C	.000000	.000000	.000000	.000000
P10	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MAX

JOINT	FX	FY	FZ	MY
3	.000000	.000000	.000000	.000000
4	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000

A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
B3	.000000	.000000	.000000	.000000
B4	.000000	.000000	.000000	.000000
B5	.000000	.000000	.000000	.000000
B6	.000000	.000000	.000000	.000000
B7	.000000	.000000	.000000	.000000
B8	.000000	.000000	.000000	.000000
C3	.000000	.000000	.000000	.000000
C4	.000000	.000000	.000000	.000000
C7	.000000	.000000	.000000	.000000
C8	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	0.009062	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	0.009072	.000000	.000000	.000000
F2	4.281372	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	4.288951	.000000	.000000	.000000
G2	13.265538	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	13.345614	.000000	.000000	.000000
H2	24.777056	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	24.893834	.000000	.000000	.000000
I1	0.240043	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	11.166715	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	0.002975
K1	0.335881	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000

K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	10.875766	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	0.985742	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	7.519427	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	23.830452	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	0.001699
E2B	.000000	.000000	.000000	0.003326
E3A	.000000	.000000	.000000	0.004081
E3B	.000000	.000000	.000000	0.000961
E3C	.000000	.000000	.000000	0.004485
E4A	.000000	.000000	.000000	0.002277
E4B	.000000	.000000	.000000	0.000869
E6A	.000000	.000000	.000000	0.000869
E6B	.000000	.000000	.000000	0.002277
E7A	.000000	.000000	.000000	0.004487
E7B	.000000	.000000	.000000	0.000963
E7C	.000000	.000000	.000000	0.004083
E8A	.000000	.000000	.000000	0.003326
E8B	.000000	.000000	.000000	0.001699
G2A	.000000	.000000	.000000	0.008725
G2B	.000000	.000000	.000000	0.002044
G2C	.000000	.000000	.000000	0.009357
G3A	.000000	.000000	.000000	0.007182
G3B	.000000	.000000	.000000	0.002481
G3C	.000000	.000000	.000000	0.008929
G4A	.000000	.000000	.000000	0.000992
G6A	.000000	.000000	.000000	0.000992
G7A	.000000	.000000	.000000	0.008932
G7B	.000000	.000000	.000000	0.002484
G7C	.000000	.000000	.000000	0.007185
G8A	.000000	.000000	.000000	0.009364
G8B	.000000	.000000	.000000	0.002051
G8C	.000000	.000000	.000000	0.008732
I10	0.239887	.000000	.000000	.000000

I1A	.000000	.000000	.000000	0.004102
I2A	.000000	.000000	.000000	0.009907
I2B	.000000	.000000	.000000	0.002786
I2C	.000000	.000000	.000000	0.010750
I3A	.000000	.000000	.000000	0.006827
I3B	.000000	.000000	.000000	0.003252
I3C	.000000	.000000	.000000	0.008528
I4A	.000000	.000000	.000000	0.000899
I6A	.000000	.000000	.000000	0.000899
I7A	.000000	.000000	.000000	0.008532
I7B	.000000	.000000	.000000	0.003256
I7C	.000000	.000000	.000000	0.006831
I8A	.000000	.000000	.000000	0.010770
I8B	.000000	.000000	.000000	0.002806
I8C	.000000	.000000	.000000	0.009926
I9A	.000000	.000000	.000000	0.004138
J10	11.223644	.000000	.000000	0.002983
K10	0.336300	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.003277
K1B	.000000	.000000	.000000	0.003013
K2A	.000000	.000000	.000000	0.011022
K2B	.000000	.000000	.000000	0.002571
K2C	.000000	.000000	.000000	0.011531
K3A	.000000	.000000	.000000	0.006251
K3B	.000000	.000000	.000000	0.004709
K7A	.000000	.000000	.000000	0.004713
K7B	.000000	.000000	.000000	0.006255
K8A	.000000	.000000	.000000	0.011564
K8B	.000000	.000000	.000000	0.002604
K8C	.000000	.000000	.000000	0.011055
K9A	.000000	.000000	.000000	0.003033
K9B	.000000	.000000	.000000	0.003297
L10	10.966116	.000000	.000000	.000000
M10	0.981941	.000000	.000000	.000000
M3A	.000000	.000000	.000000	0.003442
M7A	.000000	.000000	.000000	0.003446
N10	7.612231	.000000	.000000	.000000
N1A	.000000	.000000	.000000	0.003409
N1B	.000000	.000000	.000000	0.002172
N1C	.000000	.000000	.000000	0.002905
N2A	.000000	.000000	.000000	0.003613
N2B	.000000	.000000	.000000	0.002476
N2C	.000000	.000000	.000000	0.002551
N8A	.000000	.000000	.000000	0.002603
N8B	.000000	.000000	.000000	0.002528
N8C	.000000	.000000	.000000	0.003665
N9A	.000000	.000000	.000000	0.002927
N9B	.000000	.000000	.000000	0.002195
N9C	.000000	.000000	.000000	0.003431
P10	23.900520	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

JOINT	FX	FY	FZ	MY
3	.000000	.000000	.000000	.000000
4	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
B3	.000000	.000000	.000000	.000000

B4	.000000	.000000	.000000	.000000
B5	.000000	.000000	.000000	.000000
B6	.000000	.000000	.000000	.000000
B7	.000000	.000000	.000000	.000000
B8	.000000	.000000	.000000	.000000
C3	.000000	.000000	.000000	.000000
C4	.000000	.000000	.000000	.000000
C7	.000000	.000000	.000000	.000000
C8	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	.000000
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	.000000
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000
E2	-0.009062	.000000	.000000	.000000
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	-0.009072	.000000	.000000	.000000
F2	-4.281372	.000000	.000000	.000000
F3	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	-4.288951	.000000	.000000	.000000
G2	-13.265538	.000000	.000000	.000000
G3	.000000	.000000	.000000	.000000
G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	-13.345614	.000000	.000000	.000000
H2	-24.777056	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	-24.893834	.000000	.000000	.000000
I1	-0.240043	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	-11.166715	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	-0.002975
K1	-0.335881	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000

K9	.000000	.000000	.000000	.000000
L1	-10.875766	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	-0.985742	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	-7.519427	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	-23.830452	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000
E2A	.000000	.000000	.000000	-0.001699
E2B	.000000	.000000	.000000	-0.003326
E3A	.000000	.000000	.000000	-0.004081
E3B	.000000	.000000	.000000	-0.000961
E3C	.000000	.000000	.000000	-0.004485
E4A	.000000	.000000	.000000	-0.002277
E4B	.000000	.000000	.000000	-0.000869
E6A	.000000	.000000	.000000	-0.000869
E6B	.000000	.000000	.000000	-0.002277
E7A	.000000	.000000	.000000	-0.004487
E7B	.000000	.000000	.000000	-0.000963
E7C	.000000	.000000	.000000	-0.004083
E8A	.000000	.000000	.000000	-0.003326
E8B	.000000	.000000	.000000	-0.001699
G2A	.000000	.000000	.000000	-0.008725
G2B	.000000	.000000	.000000	-0.002044
G2C	.000000	.000000	.000000	-0.009357
G3A	.000000	.000000	.000000	-0.007182
G3B	.000000	.000000	.000000	-0.002481
G3C	.000000	.000000	.000000	-0.008929
G4A	.000000	.000000	.000000	-0.000992
G6A	.000000	.000000	.000000	-0.000992
G7A	.000000	.000000	.000000	-0.008932
G7B	.000000	.000000	.000000	-0.002484
G7C	.000000	.000000	.000000	-0.007185
G8A	.000000	.000000	.000000	-0.009364
G8B	.000000	.000000	.000000	-0.002051
G8C	.000000	.000000	.000000	-0.008732
I10	-0.239887	.000000	.000000	.000000
I1A	.000000	.000000	.000000	-0.004102
I2A	.000000	.000000	.000000	-0.009907
I2B	.000000	.000000	.000000	-0.002786

I2C	.000000	.000000	.000000	-0.010750
I3A	.000000	.000000	.000000	-0.006827
I3B	.000000	.000000	.000000	-0.003252
I3C	.000000	.000000	.000000	-0.008528
I4A	.000000	.000000	.000000	-0.000899
I6A	.000000	.000000	.000000	-0.000899
I7A	.000000	.000000	.000000	-0.008532
I7B	.000000	.000000	.000000	-0.003256
I7C	.000000	.000000	.000000	-0.006831
I8A	.000000	.000000	.000000	-0.010770
I8B	.000000	.000000	.000000	-0.002806
I8C	.000000	.000000	.000000	-0.009926
I9A	.000000	.000000	.000000	-0.004138
J10	-11.223644	.000000	.000000	-0.002983
K10	-0.336300	.000000	.000000	.000000
K1A	.000000	.000000	.000000	-0.003277
K1B	.000000	.000000	.000000	-0.003013
K2A	.000000	.000000	.000000	-0.011022
K2B	.000000	.000000	.000000	-0.002571
K2C	.000000	.000000	.000000	-0.011531
K3A	.000000	.000000	.000000	-0.006251
K3B	.000000	.000000	.000000	-0.004709
K7A	.000000	.000000	.000000	-0.004713
K7B	.000000	.000000	.000000	-0.006255
K8A	.000000	.000000	.000000	-0.011564
K8B	.000000	.000000	.000000	-0.002604
K8C	.000000	.000000	.000000	-0.011055
K9A	.000000	.000000	.000000	-0.003033
K9B	.000000	.000000	.000000	-0.003297
L10	-10.966116	.000000	.000000	.000000
M10	-0.981941	.000000	.000000	.000000
M3A	.000000	.000000	.000000	-0.003442
M7A	.000000	.000000	.000000	-0.003446
N10	-7.612231	.000000	.000000	.000000
N1A	.000000	.000000	.000000	-0.003409
N1B	.000000	.000000	.000000	-0.002172
N1C	.000000	.000000	.000000	-0.002905
N2A	.000000	.000000	.000000	-0.003613
N2B	.000000	.000000	.000000	-0.002476
N2C	.000000	.000000	.000000	-0.002551
N8A	.000000	.000000	.000000	-0.002603
N8B	.000000	.000000	.000000	-0.002528
N8C	.000000	.000000	.000000	-0.003665
N9A	.000000	.000000	.000000	-0.002927
N9B	.000000	.000000	.000000	-0.002195
N9C	.000000	.000000	.000000	-0.003431
P10	-23.900520	.000000	.000000	.000000

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R E S T R A I N T F O R C E S (R E A C T I O N S)

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

LOAD DEAD ----------

JOINT	FX	FY	FZ	MY
A3	.000000	.000000	362.630192	.000000
A4	.000000	.000000	275.361141	.000000
A5	.000000	.000000	268.361127	.000000

A6	.000000	.000000	268.361127	.000000
A7	.000000	.000000	275.361141	.000000
A8	.000000	.000000	362.630197	.000000
D2	.000000	.000000	432.916180	.000000
D9	.000000	.000000	432.916187	.000000

LOADMANIFOLD ----------

JOINT	FX	FY	FZ	MY
A3	.000000	.000000	3778.779	.000000
A4	.000000	.000000	0.000154	.000000
A5	.000000	.000000	1.48E-12	.000000
A6	.000000	.000000	1.48E-12	.000000
A7	.000000	.000000	0.000154	.000000
A8	.000000	.000000	3778.779	.000000
D2	.000000	.000000	3797.221	.000000
D9	.000000	.000000	3797.221	.000000

LOAD TBAR ----------

JOINT	FX	FY	FZ	MY
A3	.000000	.000000	2221.302	.000000
A4	.000000	.000000	663.648929	.000000
A5	.000000	.000000	12.999999	.000000
A6	.000000	.000000	12.999999	.000000
A7	.000000	.000000	663.648929	.000000
A8	.000000	.000000	2221.302	.000000
D2	.000000	.000000	2164.049	.000000
D9	.000000	.000000	2164.049	.000000

LOADTOPCOVER ----------

JOINT	FX	FY	FZ	MY
A3	.000000	.000000	1894.043	.000000
A4	.000000	.000000	1747.000	.000000
A5	.000000	.000000	1747.000	.000000
A6	.000000	.000000	1747.000	.000000
A7	.000000	.000000	1747.000	.000000
A8	.000000	.000000	1894.042	.000000
D2	.000000	.000000	2472.957	.000000
D9	.000000	.000000	2472.958	.000000

LOAD PEWALLS ----------

JOINT	FX	FY	FZ	MY
A3	.000000	.000000	2590.364	.000000
A4	.000000	.000000	2900.000	.000000
A5	.000000	.000000	2900.000	.000000
A6	.000000	.000000	2900.000	.000000
A7	.000000	.000000	2900.000	.000000
A8	.000000	.000000	2590.364	.000000
D2	.000000	.000000	1787.636	.000000
D9	.000000	.000000	1787.636	.000000

LOADHOTBASIN ----------

JOINT	FX	FY	FZ	MY
A3	.000000	.000000	868.207234	.000000
A4	.000000	.000000	3.44E-05	.000000
A5	.000000	.000000	3.29E-13	.000000
A6	.000000	.000000	3.29E-13	.000000
A7	.000000	.000000	3.44E-05	.000000
A8	.000000	.000000	868.207234	.000000

D2	.000000	.000000	2443.793	.000000
D9	.000000	.000000	2443.793	.000000

LOADDRIFTELM ----------

JOINT	FX	FY	FZ	MY
A3	.000000	.000000	116.705681	.000000
A4	.000000	.000000	331.858334	.000000
A5	.000000	.000000	96.999967	.000000
A6	.000000	.000000	96.999967	.000000
A7	.000000	.000000	331.858334	.000000
A8	.000000	.000000	116.705681	.000000
D2	.000000	.000000	0.436018	.000000
D9	.000000	.000000	0.436018	.000000

LOADFANMOTOR ----------

JOINT	FX	FY	FZ	MY
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000

LOADCABLETRY ----------

JOINT	FX	FY	FZ	MY
A3	.000000	.000000	7.833397	.000000
A4	.000000	.000000	2.61E-07	.000000
A5	.000000	.000000	2.47E-15	.000000
A6	.000000	.000000	7.45E-15	.000000
A7	.000000	.000000	7.88E-07	.000000
A8	.000000	.000000	23.624904	.000000
D2	.000000	.000000	-7.833398	.000000
D9	.000000	.000000	336.375095	.000000

LOADLOUVERWL ----------

JOINT	FX	FY	FZ	MY
A3	.000000	.000000	108.390363	.000000
A4	.000000	.000000	3.13E-06	.000000
A5	.000000	.000000	2.92E-14	.000000
A6	.000000	.000000	2.92E-14	.000000
A7	.000000	.000000	3.13E-06	.000000
A8	.000000	.000000	108.390415	.000000
D2	.000000	.000000	1520.610	.000000
D9	.000000	.000000	1520.610	.000000

LOAD SECDIST ----------

JOINT	FX	FY	FZ	MY
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MAX

JOINT	FX	FY	FZ	MY
A3	.000000	.000000	11948.254	.000000
A4	.000000	.000000	5917.869	.000000
A5	.000000	.000000	5025.361	.000000
A6	.000000	.000000	5025.361	.000000
A7	.000000	.000000	5917.869	.000000
A8	.000000	.000000	11964.045	.000000
D2	.000000	.000000	14627.452	.000000
D9	.000000	.000000	14955.993	.000000

COMBDEADLOAD ---------- MIN

JOINT	FX	FY	FZ	MY
A3	.000000	.000000	-11948.254	.000000
A4	.000000	.000000	-5917.869	.000000
A5	.000000	.000000	-5025.361	.000000
A6	.000000	.000000	-5025.361	.000000
A7	.000000	.000000	-5917.869	.000000
A8	.000000	.000000	-11964.045	.000000
D2	.000000	.000000	-14627.452	.000000
D9	.000000	.000000	-14955.993	.000000

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C O N S T R A I N T F O R C E S

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

LOAD DEAD ----------

JOINT	FX	FY	FZ	MY
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P7	8.88E-16	.000000	.000000	.000000

LOADMANIFOLD ----------

JOINT	FX	FY	FZ	MY
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P4	-5.57E-26	.000000	.000000	.000000
P7	7.55E-27	.000000	.000000	.000000

LOAD TBAR ----------

JOINT	FX	FY	FZ	MY
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P4	-9.21E-26	.000000	.000000	.000000
P7	-8.71E-27	.000000	.000000	.000000

LOADTOPCOVER ----------

JOINT	FX	FY	FZ	MY
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P4	-1.14E-13	.000000	.000000	.000000

```
     P7    8.53E-14     .000000     .000000     .000000

LOAD PEWALLS ------------------

  JOINT          FX          FY          FZ          MY
     O4     .000000     .000000     .000000     .000000
     O7     .000000     .000000     .000000     .000000
     P4   -5.10E-26     .000000     .000000     .000000
     P7    3.23E-26     .000000     .000000     .000000

LOADHOTBASIN ------------------

  JOINT          FX          FY          FZ          MY
     O4     .000000     .000000     .000000     .000000
     O7     .000000     .000000     .000000     .000000
     P4   -1.44E-26     .000000     .000000     .000000
     P7   -5.19E-26     .000000     .000000     .000000

LOADDRIFTELM ------------------

  JOINT          FX          FY          FZ          MY
     O4     .000000     .000000     .000000     .000000
     O7     .000000     .000000     .000000     .000000
     P4    8.80E-28     .000000     .000000     .000000
     P7   -7.35E-28     .000000     .000000     .000000

LOADFANMOTOR ------------------

  JOINT          FX          FY          FZ          MY
     O4     .000000     .000000     .000000     .000000
     O7     .000000     .000000     .000000     .000000
     P4     .000000     .000000     .000000     .000000
     P7     .000000     .000000     .000000     .000000

LOADCABLETRY ------------------

  JOINT          FX          FY          FZ          MY
     O4     .000000     .000000     .000000     .000000
     O7     .000000     .000000     .000000     .000000
     P4    3.39E-12     .000000     .000000     .000000
     P7    3.39E-12     .000000     .000000     .000000

LOADLOUVERWL ------------------

  JOINT          FX          FY          FZ          MY
     O4     .000000     .000000     .000000     .000000
     O7     .000000     .000000     .000000     .000000
     P4    7.11E-15     .000000     .000000     .000000
     P7     .000000     .000000     .000000     .000000

LOAD SECDIST ------------------

  JOINT          FX          FY          FZ          MY
     O4     .000000     .000000     .000000     .000000
     O7     .000000     .000000     .000000     .000000
     P4     .000000     .000000     .000000     .000000
     P7     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MAX

  JOINT          FX          FY          FZ          MY
     O4     .000000     .000000     .000000     .000000
     O7     .000000     .000000     .000000     .000000
```

```
     P4    3.51E-12     .000000     .000000     .000000
     P7    3.48E-12     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

  JOINT          FX          FY          FZ          MY
     O4     .000000     .000000     .000000     .000000
     O7     .000000     .000000     .000000     .000000
     P4   -3.51E-12     .000000     .000000     .000000
     P7   -3.48E-12     .000000     .000000     .000000


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G L O B A L   F O R C E   B A L A N C E

TOTAL FORCE AND MOMENT AT THE ORIGIN, IN GLOBAL COORDINATES

LOAD    DEAD ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED   -1.03E-16   -5.99E-30   -2678.537 -321424.475  928447.993    1.24E-14
SPRINGS    4.63E-13     .000000     .000000     .000000   -0.001579   -5.55E-11
REACTNS     .000000     .000000    2678.537  321424.475 -928447.992     .000000
CONSTRS    8.88E-16     .000000     .000000     .000000    5.81E-13   -1.07E-13

  TOTAL    4.64E-13   -5.99E-30   -2.73E-12   -1.75E-10    8.15E-10   -5.56E-11

LOADMANIFOLD ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000  -15152.000 -1.8182E+06  5.2521E+06     .000000
SPRINGS    1.80E-12     .000000     .000000     .000000    9.69E-07   -2.16E-10
REACTNS     .000000     .000000   15152.000  1.8182E+06 -5.2521E+06     .000000
CONSTRS   -4.82E-26     .000000     .000000     .000000   -3.15E-23    5.78E-24

  TOTAL    1.80E-12     .000000   -3.82E-11   -4.42E-09    8.38E-09   -2.16E-10

LOAD    TBAR ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000  -10124.000 -1.2149E+06  3.5092E+06     .000000
SPRINGS    1.38E-12     .000000     .000000     .000000   -0.001411   -1.65E-10
REACTNS     .000000     .000000   10124.000  1.2149E+06 -3.5092E+06     .000000
CONSTRS   -1.01E-25     .000000     .000000     .000000   -6.59E-23    1.21E-23

  TOTAL    1.38E-12     .000000   -2.00E-11   -2.33E-09    3.73E-09   -1.65E-10

LOADTOPCOVER ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000  -15722.000 -1.8866E+06  5.4496E+06     .000000
SPRINGS    3.32E-12     .000000     .000000     .000000    0.003383   -3.98E-10
REACTNS     .000000     .000000   15722.000  1.8866E+06 -5.4496E+06     .000000
CONSTRS   -2.84E-14     .000000     .000000     .000000   -1.86E-11    3.41E-12

  TOTAL    3.29E-12     .000000   -1.46E-11   -2.10E-09    1.84E-09   -3.94E-10

LOAD PEWALLS ------------------

                 FX          FY          FZ          MX          MY          MZ
```

APPLIED	.000000	.000000	-20356.000	-2.4427E+06	7.0559E+06	.000000
SPRINGS	3.95E-13	.000000	.000000	.000000	-0.002396	-4.73E-11
REACTNS	.000000	.000000	20356.000	2.4427E+06	-7.0559E+06	.000000
CONSTRS	-1.87E-26	.000000	.000000	.000000	-1.22E-23	2.25E-24
TOTAL	3.95E-13	.000000	-3.64E-12	-9.31E-10	9.31E-10	-4.73E-11

LOADHOTBASIN ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-6624.000	-794880.000	2.2960E+06	.000000
SPRINGS	3.88E-12	.000000	.000000	.000000	-0.016560	-4.66E-10
REACTNS	.000000	.000000	6624.000	794880.000	-2.2960E+06	.000000
CONSTRS	-6.63E-26	.000000	.000000	.000000	-4.34E-23	7.96E-24
TOTAL	3.88E-12	.000000	-2.36E-11	-2.79E-09	6.05E-09	-4.66E-10

LOADDRIFTELM ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-1092.000	-131040.000	378514.500	.000000
SPRINGS	-1.24E-13	.000000	.000000	.000000	4.29E-09	1.49E-11
REACTNS	.000000	.000000	1092.000	131040.000	-378514.500	.000000
CONSTRS	1.45E-28	.000000	.000000	.000000	9.49E-26	-1.74E-26
TOTAL	-1.24E-13	.000000	1.14E-12	1.16E-10	-5.24E-10	1.49E-11

LOADFANMOTOR ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	.000000	.000000	.000000	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	.000000	.000000	.000000	.000000

LOADCABLETRY ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-360.000000	-43200.000	232537.500	.000000
SPRINGS	1.07E-10	.000000	.000000	.000000	-18169.489	-1.28E-08
REACTNS	.000000	.000000	360.000000	43200.000	-214368.011	.000000
CONSTRS	6.78E-12	.000000	.000000	.000000	4.43E-09	-8.13E-10
TOTAL	1.14E-10	.000000	-2.44E-12	-2.98E-10	3.60E-08	-1.36E-08

LOADLOUVERWL ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-3258.000	-390960.000	1.1293E+06	.000000
SPRINGS	3.60E-12	.000000	.000000	.000000	-0.011824	-4.32E-10
REACTNS	.000000	.000000	3258.000	390960.000	-1.1293E+06	.000000
CONSTRS	7.11E-15	.000000	.000000	.000000	4.65E-12	-8.53E-13
TOTAL	3.60E-12	.000000	-1.18E-11	-1.40E-09	5.36E-09	-4.32E-10

LOAD SECDIST ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	.000000	.000000	.000000	.000000

```
CONSTRS     .000000     .000000     .000000     .000000     .000000     .000000

  TOTAL     .000000     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MAX

                 FX          FY          FZ          MX          MY          MZ
APPLIED    1.03E-16    5.99E-30   75366.537  9.0440E+06  2.6232E+07    1.24E-14
SPRINGS    1.22E-10     .000000     .000000     .000000   18169.526    1.46E-08
REACTNS     .000000     .000000   75366.537  9.0440E+06  2.6214E+07     .000000
CONSTRS    6.81E-12     .000000     .000000     .000000    4.46E-09    8.18E-10

  TOTAL    1.29E-10    5.99E-30    1.18E-10    1.46E-08    6.36E-08    1.54E-08

COMBDEADLOAD ------------------ MIN

                 FX          FY          FZ          MX          MY          MZ
APPLIED   -1.03E-16   -5.99E-30  -75366.537 -9.0440E+06 -2.6232E+07   -1.24E-14
SPRINGS   -1.22E-10     .000000     .000000     .000000  -18169.526   -1.46E-08
REACTNS     .000000     .000000  -75366.537 -9.0440E+06 -2.6214E+07     .000000
CONSTRS   -6.81E-12     .000000     .000000     .000000   -4.46E-09   -8.18E-10

  TOTAL   -1.29E-10   -5.99E-30   -1.18E-10   -1.46E-08   -6.36E-08   -1.54E-08


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F R A M E   E L E M E N T   I N T E R N A L   F O R C E S

ELEM       1 ================== LENGTH =   91.522023

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1079.597    2.244474    2.72E-16     .000000     .000000     .000000
0.50000    1070.987    4.54E-16    5.96E-32     .000000    6.22E-15   51.354708
1.00000    1062.377    2.244474    2.72E-16     .000000    5.58E-30    4.69E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1079.597   -2.244474   -2.72E-16     .000000     .000000     .000000
0.50000   -1070.987   -4.54E-16   -5.96E-32     .000000   -6.22E-15  -51.354708
1.00000   -1062.377   -2.244474   -2.72E-16     .000000   -5.58E-30   -4.69E-14

ELEM       2 ================== LENGTH =   35.588309

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2384.867    0.872763    1.06E-16     .000000     .000000     .000000
0.50000    2381.519    3.15E-16    1.17E-32     .000000    9.40E-16    7.765040
1.00000    2378.171    0.872763    1.06E-16     .000000    5.52E-31    1.08E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2384.867   -0.872763   -1.06E-16     .000000     .000000     .000000
0.50000   -2381.519   -3.15E-16   -1.17E-32     .000000   -9.40E-16   -7.765040
1.00000   -2378.171   -0.872763   -1.06E-16     .000000   -5.52E-31   -1.08E-14
```

ELEM 3 ========== LENGTH = 49.604034

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2656.285	1.216483	1.47E-16	.000000	.000000	.000000
0.50000	2651.618	2.77E-16	1.47E-32	.000000	1.83E-15	15.085621
1.00000	2646.951	1.216483	1.47E-16	.000000	1.09E-30	1.34E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2656.285	-1.216483	-1.47E-16	.000000	.000000	.000000
0.50000	-2651.618	-2.77E-16	-1.47E-32	.000000	-1.83E-15	-15.085621
1.00000	-2646.951	-1.216483	-1.47E-16	.000000	-1.09E-30	-1.34E-14

ELEM 4 ========== LENGTH = 94.625000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	293.172301	14.456598	1.75E-15	.000000	.000000	.000000
0.25000	293.172301	7.228299	8.75E-16	.000000	3.11E-14	256.491679
0.50000	293.172301	1.91E-15	1.77E-31	.000000	4.14E-14	341.988905
0.75000	293.172301	7.228299	8.75E-16	.000000	3.11E-14	256.491679
1.00000	293.172301	14.456598	1.75E-15	.000000	1.29E-29	2.86E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-293.172301	-14.456598	-1.75E-15	.000000	.000000	.000000
0.25000	-293.172301	-7.228299	-8.75E-16	.000000	-3.11E-14	-256.491679
0.50000	-293.172301	-1.91E-15	-1.77E-31	.000000	-4.14E-14	-341.988905
0.75000	-293.172301	-7.228299	-8.75E-16	.000000	-3.11E-14	-256.491679
1.00000	-293.172301	-14.456598	-1.75E-15	.000000	-1.29E-29	-2.86E-13

ELEM 5 ========== LENGTH = 49.604034

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2826.293	1.216483	1.47E-16	.000000	.000000	.000000
0.50000	2821.627	3.05E-16	2.33E-32	.000000	1.83E-15	15.085621
1.00000	2816.960	1.216483	1.47E-16	.000000	1.24E-30	1.70E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2826.293	-1.216483	-1.47E-16	.000000	.000000	.000000
0.50000	-2821.627	-3.05E-16	-2.33E-32	.000000	-1.83E-15	-15.085621
1.00000	-2816.960	-1.216483	-1.47E-16	.000000	-1.24E-30	-1.70E-14

ELEM 6 ========== LENGTH = 60.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	120.070780	17.333325	1.68E-15	.000000	.000000	.000000
0.25000	120.070780	14.416658	1.33E-15	.000000	2.26E-14	238.124874
0.50000	120.070780	11.499991	9.77E-16	.000000	3.99E-14	432.499744
0.75000	120.070780	12.083329	1.22E-15	.000000	5.19E-14	583.124611
1.00000	120.070780	14.999996	1.57E-15	.000000	5.86E-14	689.999474

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-120.070780	-17.333325	-1.68E-15	.000000	.000000	.000000
0.25000	-120.070780	-14.416658	-1.33E-15	.000000	-2.26E-14	-238.124874
0.50000	-120.070780	-11.499991	-9.77E-16	.000000	-3.99E-14	-432.499744
0.75000	-120.070780	-12.083329	-1.22E-15	.000000	-5.19E-14	-583.124611
1.00000	-120.070780	-14.999996	-1.57E-15	.000000	-5.86E-14	-689.999474

ELEM 7 ========== LENGTH = 49.604031

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	3231.308	1.216482	1.47E-16	.000000	.000000	.000000
0.50000	3226.641	2.75E-16	4.49E-32	.000000	1.83E-15	15.085608
1.00000	3221.975	1.216482	1.47E-16	.000000	2.59E-30	1.37E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-3231.308	-1.216482	-1.47E-16	.000000	.000000	.000000
0.50000	-3226.641	-2.75E-16	-4.49E-32	.000000	-1.83E-15	-15.085608
1.00000	-3221.975	-1.216482	-1.47E-16	.000000	-2.59E-30	-1.37E-14

ELEM 8 ========== LENGTH = 62.561990

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	68.654645	6.082416	7.37E-16	.000000	.000000	.000000
0.25000	68.654645	3.041208	3.68E-16	.000000	8.64E-15	71.349011
0.50000	68.654645	1.98E-15	3.86E-31	.000000	1.15E-14	95.132015
0.75000	68.654645	3.041208	3.68E-16	.000000	8.64E-15	71.349011
1.00000	68.654645	6.082416	7.37E-16	.000000	2.50E-29	1.45E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-68.654645	-6.082416	-7.37E-16	.000000	.000000	.000000
0.25000	-68.654645	-3.041208	-3.68E-16	.000000	-8.64E-15	-71.349011
0.50000	-68.654645	-1.98E-15	-3.86E-31	.000000	-1.15E-14	-95.132015
0.75000	-68.654645	-3.041208	-3.68E-16	.000000	-8.64E-15	-71.349011
1.00000	-68.654645	-6.082416	-7.37E-16	.000000	-2.50E-29	-1.45E-13

ELEM 9 ========== LENGTH = 50.049590

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	52.685767	4.865933	5.89E-16	.000000	.000000	.000000
0.25000	52.685767	2.432966	2.95E-16	.000000	5.53E-15	45.663364
0.50000	52.685767	1.71E-15	1.15E-31	.000000	7.37E-15	60.884485
0.75000	52.685767	2.432966	2.95E-16	.000000	5.53E-15	45.663364
1.00000	52.685767	4.865933	5.89E-16	.000000	5.95E-30	8.36E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-52.685767	-4.865933	-5.89E-16	.000000	.000000	.000000
0.25000	-52.685767	-2.432966	-2.95E-16	.000000	-5.53E-15	-45.663364
0.50000	-52.685767	-1.71E-15	-1.15E-31	.000000	-7.37E-15	-60.884485
0.75000	-52.685767	-2.432966	-2.95E-16	.000000	-5.53E-15	-45.663364

```
1.00000  -52.685767   -4.865933   -5.89E-16     .000000   -5.95E-30   -8.36E-14

ELEM      10 ================== LENGTH =   49.604034

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3398.802    1.216483    1.47E-16     .000000     .000000     .000000
0.50000    3394.136    2.77E-16    1.47E-32     .000000    1.83E-15   15.085621
1.00000    3389.469    1.216483    1.47E-16     .000000    1.09E-30    1.34E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3398.802   -1.216483   -1.47E-16     .000000     .000000     .000000
0.50000   -3394.136   -2.77E-16   -1.47E-32     .000000   -1.83E-15  -15.085621
1.00000   -3389.469   -1.216483   -1.47E-16     .000000   -1.09E-30   -1.34E-14

ELEM      11 ================== LENGTH =   12.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  120.070780   56.333346    5.05E-15     .000000    6.23E-14  690.000155
0.25000  120.070780   56.916680    5.12E-15     .000000    4.71E-14  520.125117
0.50000  120.070780   57.500013    5.19E-15     .000000    3.16E-14  348.500078
0.75000  120.070780   58.083346    5.26E-15     .000000    1.59E-14  175.125039
1.00000  120.070780   58.666680    5.33E-15     .000000    3.65E-28    1.18E-12

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -120.070780  -56.333346   -5.05E-15     .000000   -6.23E-14 -690.000155
0.25000 -120.070780  -56.916680   -5.12E-15     .000000   -4.71E-14 -520.125117
0.50000 -120.070780  -57.500013   -5.19E-15     .000000   -3.16E-14 -348.500078
0.75000 -120.070780  -58.083346   -5.26E-15     .000000   -1.59E-14 -175.125039
1.00000 -120.070780  -58.666680   -5.33E-15     .000000   -3.65E-28   -1.18E-12

ELEM      12 ================== LENGTH =   25.024800

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   52.429645    2.432967    2.95E-16     .000000     .000000     .000000
0.25000   52.429645    1.216483    1.47E-16     .000000    1.38E-15   11.415845
0.50000   52.429645    9.66E-16    9.80E-32     .000000    1.84E-15   15.221127
0.75000   52.429645    1.216483    1.47E-16     .000000    1.38E-15   11.415845
1.00000   52.429645    2.432967    2.95E-16     .000000    2.39E-30    2.12E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -52.429645   -2.432967   -2.95E-16     .000000     .000000     .000000
0.25000  -52.429645   -1.216483   -1.47E-16     .000000   -1.38E-15  -11.415845
0.50000  -52.429645   -9.66E-16   -9.80E-32     .000000   -1.84E-15  -15.221127
0.75000  -52.429645   -1.216483   -1.47E-16     .000000   -1.38E-15  -11.415845
1.00000  -52.429645   -2.432967   -2.95E-16     .000000   -2.39E-30   -2.12E-14

ELEM      13 ================== LENGTH =   49.604034

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
```

0.00000	3667.685	1.216483	1.47E-16	.000000	.000000	.000000
0.50000	3663.019	3.32E-16	2.08E-32	.000000	1.83E-15	15.085621
1.00000	3658.352	1.216483	1.47E-16	.000000	1.09E-30	1.87E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-3667.685	-1.216483	-1.47E-16	.000000	.000000	.000000
0.50000	-3663.019	-3.32E-16	-2.08E-32	.000000	-1.83E-15	-15.085621
1.00000	-3658.352	-1.216483	-1.47E-16	.000000	-1.09E-30	-1.87E-14

ELEM 14 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	120.070780	155.457850	1.41E-14	.000000	1.51E-13	1733.332
0.25000	120.070780	154.291183	1.40E-14	.000000	2.28E-13	2574.617
0.50000	120.070780	153.124516	1.39E-14	.000000	3.03E-13	3408.902
0.75000	120.070780	151.957850	1.37E-14	.000000	3.78E-13	4236.188
1.00000	120.070780	150.791183	1.36E-14	.000000	4.52E-13	5056.473

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-120.070780	-155.457850	-1.41E-14	.000000	-1.51E-13	-1733.332
0.25000	-120.070780	-154.291183	-1.40E-14	.000000	-2.28E-13	-2574.617
0.50000	-120.070780	-153.124516	-1.39E-14	.000000	-3.03E-13	-3408.902
0.75000	-120.070780	-151.957850	-1.37E-14	.000000	-3.78E-13	-4236.188
1.00000	-120.070780	-150.791183	-1.36E-14	.000000	-4.52E-13	-5056.473

ELEM 15 ========== LENGTH = 15.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	14603.452	.000000	.000000	.000000	.000000	.000000
0.50000	14599.879	.000000	.000000	.000000	.000000	.000000
1.00000	14596.306	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-14603.452	.000000	.000000	.000000	.000000	.000000
0.50000	-14599.879	.000000	.000000	.000000	.000000	.000000
1.00000	-14596.306	.000000	.000000	.000000	.000000	.000000

ELEM 16 ========== LENGTH = 32.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	14419.639	.000000	.000000	.000000	.000000	.000000
0.50000	14412.210	.000000	.000000	.000000	.000000	.000000
1.00000	14404.781	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-14419.639	.000000	.000000	.000000	.000000	.000000
0.50000	-14412.210	.000000	.000000	.000000	.000000	.000000
1.00000	-14404.781	.000000	.000000	.000000	.000000	.000000

ELEM 17 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	14147.185	.000000	.000000	.000000	.000000	.000000
0.50000	14136.296	.000000	.000000	.000000	.000000	.000000
1.00000	14125.407	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-14147.185	.000000	.000000	.000000	.000000	.000000
0.50000	-14136.296	.000000	.000000	.000000	.000000	.000000
1.00000	-14125.407	.000000	.000000	.000000	.000000	.000000

ELEM 18 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	14184.588	.000000	.000000	.000000	.000000	.000000
0.50000	14173.699	.000000	.000000	.000000	.000000	.000000
1.00000	14162.810	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-14184.588	.000000	.000000	.000000	.000000	.000000
0.50000	-14173.699	.000000	.000000	.000000	.000000	.000000
1.00000	-14162.810	.000000	.000000	.000000	.000000	.000000

ELEM 19 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	10258.420	.000000	.000000	.000000	.000000	.000000
0.50000	10252.975	.000000	.000000	.000000	.000000	.000000
1.00000	10247.531	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-10258.420	.000000	.000000	.000000	.000000	.000000
0.50000	-10252.975	.000000	.000000	.000000	.000000	.000000
1.00000	-10247.531	.000000	.000000	.000000	.000000	.000000

ELEM 20 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	9685.482	.000000	.000000	.000000	.000000	.000000
0.50000	9680.038	.000000	.000000	.000000	.000000	.000000
1.00000	9674.593	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-9685.482	.000000	.000000	.000000	.000000	.000000
0.50000	-9680.038	.000000	.000000	.000000	.000000	.000000
1.00000	-9674.593	.000000	.000000	.000000	.000000	.000000

```
ELEM      21 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9382.160     .000000     .000000     .000000     .000000     .000000
0.50000    9376.716     .000000     .000000     .000000     .000000     .000000
1.00000    9371.271     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9382.160     .000000     .000000     .000000     .000000     .000000
0.50000   -9376.716     .000000     .000000     .000000     .000000     .000000
1.00000   -9371.271     .000000     .000000     .000000     .000000     .000000

ELEM      22 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8441.828     .000000     .000000     .000000     .000000     .000000
0.50000    8436.383     .000000     .000000     .000000     .000000     .000000
1.00000    8430.939     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8441.828     .000000     .000000     .000000     .000000     .000000
0.50000   -8436.383     .000000     .000000     .000000     .000000     .000000
1.00000   -8430.939     .000000     .000000     .000000     .000000     .000000

ELEM      23 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8136.073     .000000     .000000     .000000     .000000     .000000
0.50000    8130.628     .000000     .000000     .000000     .000000     .000000
1.00000    8125.184     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8136.073     .000000     .000000     .000000     .000000     .000000
0.50000   -8130.628     .000000     .000000     .000000     .000000     .000000
1.00000   -8125.184     .000000     .000000     .000000     .000000     .000000

ELEM      24 ================== LENGTH =   34.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7498.736     .000000     .000000     .000000     .000000     .000000
0.50000    7494.829     .000000     .000000     .000000     .000000     .000000
1.00000    7490.923     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7498.736     .000000     .000000     .000000     .000000     .000000
0.50000   -7494.829     .000000     .000000     .000000     .000000     .000000
```

```
1.00000   -7490.923     .000000     .000000     .000000     .000000     .000000

ELEM      25 ================== LENGTH =   88.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1792.547     .000000     .000000     .000000     .000000     .000000
0.50000    1782.502     .000000     .000000     .000000     .000000     .000000
1.00000    1772.457     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1792.547     .000000     .000000     .000000     .000000     .000000
0.50000   -1782.502     .000000     .000000     .000000     .000000     .000000
1.00000   -1772.457     .000000     .000000     .000000     .000000     .000000

ELEM      26 ================== LENGTH =   39.905978

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  868.994602    4.083334    4.95E-16     .000000     .000000     .000000
0.50000  867.041543    6.11E-16    1.31E-32     .000000    4.93E-15   40.737356
1.00000  865.088485    4.083334    4.95E-16     .000000    6.39E-32    2.60E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -868.994602   -4.083334   -4.95E-16     .000000     .000000     .000000
0.50000 -867.041543   -6.11E-16   -1.31E-32     .000000   -4.93E-15  -40.737356
1.00000 -865.088485   -4.083334   -4.95E-16     .000000   -6.39E-32   -2.60E-14

ELEM      27 ================== LENGTH =   39.905935

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  692.268531    4.083334    4.95E-16     .000000     .000000     .000000
0.50000  690.315484    8.02E-17    2.09E-32     .000000    4.93E-15   40.737312
1.00000  688.362437    4.083334    4.95E-16     .000000    1.18E-30    3.20E-15

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -692.268531   -4.083334   -4.95E-16     .000000     .000000     .000000
0.50000 -690.315484   -8.02E-17   -2.09E-32     .000000   -4.93E-15  -40.737312
1.00000 -688.362437   -4.083334   -4.95E-16     .000000   -1.18E-30   -3.20E-15

ELEM      28 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  120.070780   52.225472    4.80E-15     .000000    4.51E-13    5056.472
0.25000  120.070780   52.035846    4.67E-15     .000000    4.23E-13    4747.757
0.50000  120.070780   53.202512    4.81E-15     .000000    3.94E-13    4432.042
0.75000  120.070780   54.369179    4.95E-15     .000000    3.65E-13    4109.327
1.00000  120.070780   55.535846    5.10E-15     .000000    3.35E-13    3779.613

COMBDEADLOAD ------------------ MIN
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	-120.070780	-52.225472	-4.80E-15	.000000	-4.51E-13	-5056.472
0.25000	-120.070780	-52.035846	-4.67E-15	.000000	-4.23E-13	-4747.757
0.50000	-120.070780	-53.202512	-4.81E-15	.000000	-3.94E-13	-4432.042
0.75000	-120.070780	-54.369179	-4.95E-15	.000000	-3.65E-13	-4109.327
1.00000	-120.070780	-55.535846	-5.10E-15	.000000	-3.35E-13	-3779.613

ELEM 29 ========== LENGTH = 79.098436

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7.629269	7.000001	8.48E-16	.000000	.000000	.000000
0.50000	4.703470	5.90E-16	5.80E-31	.000000	1.68E-14	138.422273
1.00000	7.887498	7.000001	8.48E-16	.000000	4.60E-29	3.93E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7.629269	-7.000001	-8.48E-16	.000000	.000000	.000000
0.50000	-4.703470	-5.90E-16	-5.80E-31	.000000	-1.68E-14	-138.422273
1.00000	-7.887498	-7.000001	-8.48E-16	.000000	-4.60E-29	-3.93E-14

ELEM 31 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1.01E-12	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	1.01E-12	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	1.01E-12	8.63E-16	1.59E-32	.000000	1.53E-14	126.000010
0.75000	1.01E-12	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	1.01E-12	7.000001	8.48E-16	.000000	1.79E-31	5.26E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1.01E-12	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	-1.01E-12	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	-1.01E-12	-8.63E-16	-1.59E-32	.000000	-1.53E-14	-126.000010
0.75000	-1.01E-12	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	-1.01E-12	-7.000001	-8.48E-16	.000000	-1.79E-31	-5.26E-14

ELEM 32 ========== LENGTH = 15.487600

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	120.070780	242.535846	2.17E-14	.000000	3.40E-13	3779.618
0.25000	120.070780	243.288715	2.18E-14	.000000	2.55E-13	2839.086
0.50000	120.070780	244.041585	2.19E-14	.000000	1.70E-13	1895.639
0.75000	120.070780	244.794454	2.20E-14	.000000	8.54E-14	949.277166
1.00000	120.070780	245.547324	2.21E-14	.000000	5.75E-28	4.22E-12

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-120.070780	-242.535846	-2.17E-14	.000000	-3.40E-13	-3779.618
0.25000	-120.070780	-243.288715	-2.18E-14	.000000	-2.55E-13	-2839.086
0.50000	-120.070780	-244.041585	-2.19E-14	.000000	-1.70E-13	-1895.639
0.75000	-120.070780	-244.794454	-2.20E-14	.000000	-8.54E-14	-949.277166
1.00000	-120.070780	-245.547324	-2.21E-14	.000000	-5.75E-28	-4.22E-12

ELEM 33 ========== LENGTH = 86.533231

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1112.942	7.000001	8.48E-16	.000000	.000000	.000000
0.50000	1117.608	5.78E-16	2.05E-31	.000000	1.83E-14	151.433166
1.00000	1122.275	7.000001	8.48E-16	.000000	1.55E-29	7.83E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1112.942	-7.000001	-8.48E-16	.000000	.000000	.000000
0.50000	-1117.608	-5.78E-16	-2.05E-31	.000000	-1.83E-14	-151.433166
1.00000	-1122.275	-7.000001	-8.48E-16	.000000	-1.55E-29	-7.83E-14

ELEM 34 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	929.906389	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	929.906389	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	929.906389	8.63E-16	1.59E-32	.000000	1.53E-14	126.000010
0.75000	929.906389	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	929.906389	7.000001	8.48E-16	.000000	1.79E-31	5.26E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-929.906389	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	-929.906389	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	-929.906389	-8.63E-16	-1.59E-32	.000000	-1.53E-14	-126.000010
0.75000	-929.906389	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	-929.906389	-7.000001	-8.48E-16	.000000	-1.79E-31	-5.26E-14

ELEM 35 ========== LENGTH = 31.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	154.602852	101.990417	9.26E-15	.000000	3.01E-13	3390.286
0.25000	154.602852	100.483473	9.08E-15	.000000	3.11E-13	3493.011
0.50000	154.602852	98.976528	8.90E-15	.000000	3.19E-13	3584.057
0.75000	154.602852	98.135672	8.87E-15	.000000	3.26E-13	3663.424
1.00000	154.602852	99.642616	9.05E-15	.000000	3.32E-13	3731.113

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-154.602852	-101.990417	-9.26E-15	.000000	-3.01E-13	-3390.286
0.25000	-154.602852	-100.483473	-9.08E-15	.000000	-3.11E-13	-3493.011
0.50000	-154.602852	-98.976528	-8.90E-15	.000000	-3.19E-13	-3584.057
0.75000	-154.602852	-98.135672	-8.87E-15	.000000	-3.26E-13	-3663.424
1.00000	-154.602852	-99.642616	-9.05E-15	.000000	-3.32E-13	-3731.113

ELEM 36 ========== LENGTH = 86.533231

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	67.679259	7.000001	8.48E-16	.000000	.000000	.000000
0.50000	63.012592	5.78E-16	2.05E-31	.000000	1.83E-14	151.433166

```
1.00000   59.526302    7.000001    8.48E-16     .000000    1.55E-29    7.83E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -67.679259   -7.000001   -8.48E-16     .000000     .000000     .000000
0.50000  -63.012592   -5.78E-16   -2.05E-31     .000000   -1.83E-14 -151.433166
1.00000  -59.526302   -7.000001   -8.48E-16     .000000   -1.55E-29   -7.83E-14

ELEM      37 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   52.429645    7.000001    8.48E-16     .000000     .000000     .000000
0.25000   52.429645    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000   52.429645    8.63E-16    1.59E-32     .000000    1.53E-14  126.000010
0.75000   52.429645    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000   52.429645    7.000001    8.48E-16     .000000    1.79E-31    5.26E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -52.429645   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000  -52.429645   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000  -52.429645   -8.63E-16   -1.59E-32     .000000   -1.53E-14 -126.000010
0.75000  -52.429645   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000  -52.429645   -7.000001   -8.48E-16     .000000   -1.79E-31   -5.26E-14

ELEM      38 ================== LENGTH =   26.537200

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  154.602852  138.019489    1.22E-14     .000000    3.33E-13    3731.117
0.25000  154.602852  139.309492    1.24E-14     .000000    2.51E-13    2811.175
0.50000  154.602852  140.599495    1.25E-14     .000000    1.68E-13    1882.675
0.75000  154.602852  141.889498    1.27E-14     .000000    8.47E-14  945.616630
1.00000  154.602852  143.179501    1.28E-14     .000000    1.78E-28    1.40E-12

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -154.602852 -138.019489   -1.22E-14     .000000   -3.33E-13   -3731.117
0.25000 -154.602852 -139.309492   -1.24E-14     .000000   -2.51E-13   -2811.175
0.50000 -154.602852 -140.599495   -1.25E-14     .000000   -1.68E-13   -1882.675
0.75000 -154.602852 -141.889498   -1.27E-14     .000000   -8.47E-14 -945.616630
1.00000 -154.602852 -143.179501   -1.28E-14     .000000   -1.78E-28   -1.40E-12

ELEM      39 ================== LENGTH =   86.533231

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   67.987078    7.000001    8.48E-16     .000000     .000000     .000000
0.50000   63.320411    5.78E-16    2.05E-31     .000000    1.83E-14  151.433166
1.00000   58.653744    7.000001    8.48E-16     .000000    1.55E-29    7.83E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -67.987078   -7.000001   -8.48E-16     .000000     .000000     .000000
0.50000  -63.320411   -5.78E-16   -2.05E-31     .000000   -1.83E-14 -151.433166
```

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1.00000  -58.653744   -7.000001   -8.48E-16     .000000   -1.55E-29   -7.83E-14

ELEM      40 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   52.685767    7.000001    8.48E-16     .000000     .000000     .000000
0.25000   52.685767    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000   52.685767    8.63E-16    1.59E-32     .000000    1.53E-14  126.000010
0.75000   52.685767    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000   52.685767    7.000001    8.48E-16     .000000    1.79E-31    5.26E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -52.685767   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000  -52.685767   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000  -52.685767   -8.63E-16   -1.59E-32     .000000   -1.53E-14 -126.000010
0.75000  -52.685767   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000  -52.685767   -7.000001   -8.48E-16     .000000   -1.79E-31   -5.26E-14

ELEM      41 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  849.418612    7.000001    8.48E-16     .000000     .000000     .000000
0.25000  849.418612    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000  849.418612    8.63E-16    1.59E-32     .000000    1.53E-14  126.000010
0.75000  849.418612    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000  849.418612    7.000001    8.48E-16     .000000    1.79E-31    5.26E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -849.418612   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000 -849.418612   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000 -849.418612   -8.63E-16   -1.59E-32     .000000   -1.53E-14 -126.000010
0.75000 -849.418612   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000 -849.418612   -7.000001   -8.48E-16     .000000   -1.79E-31   -5.26E-14

ELEM      42 ================== LENGTH =   26.537200

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  154.602852  143.179501    1.28E-14     .000000     .000000     .000000
0.25000  154.602852  141.889498    1.27E-14     .000000    8.47E-14  945.616631
0.50000  154.602852  140.599495    1.25E-14     .000000    1.68E-13    1882.675
0.75000  154.602852  139.309492    1.24E-14     .000000    2.51E-13    2811.175
1.00000  154.602852  138.019490    1.22E-14     .000000    3.33E-13    3731.117

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -154.602852 -143.179501   -1.28E-14     .000000     .000000     .000000
0.25000 -154.602852 -141.889498   -1.27E-14     .000000   -8.47E-14 -945.616631
0.50000 -154.602852 -140.599495   -1.25E-14     .000000   -1.68E-13   -1882.675
0.75000 -154.602852 -139.309492   -1.24E-14     .000000   -2.51E-13   -2811.175
1.00000 -154.602852 -138.019490   -1.22E-14     .000000   -3.33E-13   -3731.117

ELEM      43 ================== LENGTH =   72.000000
```

```
COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  293.172301   11.000001    1.33E-15     .000000     .000000     .000000
0.25000  293.172301    5.500000    6.66E-16     .000000    1.80E-14  148.500012
0.50000  293.172301    3.75E-15    5.59E-31     .000000    2.40E-14  198.000016
0.75000  293.172301    5.500000    6.66E-16     .000000    1.80E-14  148.500012
1.00000  293.172301   11.000001    1.33E-15     .000000    3.79E-29    2.34E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -293.172301  -11.000001   -1.33E-15     .000000     .000000     .000000
0.25000 -293.172301   -5.500000   -6.66E-16     .000000   -1.80E-14 -148.500012
0.50000 -293.172301   -3.75E-15   -5.59E-31     .000000   -2.40E-14 -198.000016
0.75000 -293.172301   -5.500000   -6.66E-16     .000000   -1.80E-14 -148.500012
1.00000 -293.172301  -11.000001   -1.33E-15     .000000   -3.79E-29   -2.34E-13

ELEM      44 ================== LENGTH =   39.905978

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  690.275802    4.083334    4.95E-16     .000000     .000000     .000000
0.50000  692.228860    9.33E-16    1.07E-31     .000000    4.93E-15   40.737356
1.00000  694.181919    4.083334    4.95E-16     .000000    5.23E-30    4.67E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -690.275802   -4.083334   -4.95E-16     .000000     .000000     .000000
0.50000 -692.228860   -9.33E-16   -1.07E-31     .000000   -4.93E-15  -40.737356
1.00000 -694.181919   -4.083334   -4.95E-16     .000000   -5.23E-30   -4.67E-14

ELEM      45 ================== LENGTH =   39.905935

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  849.428274    4.083334    4.95E-16     .000000     .000000     .000000
0.50000  851.381321    1.20E-15    1.23E-31     .000000    4.93E-15   40.737312
1.00000  853.334368    4.083334    4.95E-16     .000000    5.13E-30    3.77E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -849.428274   -4.083334   -4.95E-16     .000000     .000000     .000000
0.50000 -851.381321   -1.20E-15   -1.23E-31     .000000   -4.93E-15  -40.737312
1.00000 -853.334368   -4.083334   -4.95E-16     .000000   -5.13E-30   -3.77E-14

ELEM      46 ================== LENGTH =   50.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   11948.254     .000000     .000000     .000000     .000000     .000000
0.50000   11942.526     .000000     .000000     .000000     .000000     .000000
1.00000   11936.798     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000  -11948.254     .000000     .000000     .000000     .000000     .000000
0.50000  -11942.526     .000000     .000000     .000000     .000000     .000000
1.00000  -11936.798     .000000     .000000     .000000     .000000     .000000

ELEM      47 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   11929.798     .000000     .000000     .000000     .000000     .000000
0.50000   11924.353     .000000     .000000     .000000     .000000     .000000
1.00000   11918.909     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -11929.798     .000000     .000000     .000000     .000000     .000000
0.50000  -11924.353     .000000     .000000     .000000     .000000     .000000
1.00000  -11918.909     .000000     .000000     .000000     .000000     .000000

ELEM      48 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   11911.909     .000000     .000000     .000000     .000000     .000000
0.50000   11906.465     .000000     .000000     .000000     .000000     .000000
1.00000   11901.020     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -11911.909     .000000     .000000     .000000     .000000     .000000
0.50000  -11906.465     .000000     .000000     .000000     .000000     .000000
1.00000  -11901.020     .000000     .000000     .000000     .000000     .000000

ELEM      49 ================== LENGTH =   15.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   11894.020     .000000     .000000     .000000     .000000     .000000
0.50000   11892.234     .000000     .000000     .000000     .000000     .000000
1.00000   11890.447     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -11894.020     .000000     .000000     .000000     .000000     .000000
0.50000  -11892.234     .000000     .000000     .000000     .000000     .000000
1.00000  -11890.447     .000000     .000000     .000000     .000000     .000000

ELEM      50 ================== LENGTH =   32.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   11518.662     .000000     .000000     .000000     .000000     .000000
0.50000   11514.948     .000000     .000000     .000000     .000000     .000000
1.00000   11511.233     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000  -11518.662     .000000     .000000     .000000     .000000     .000000
0.50000  -11514.948     .000000     .000000     .000000     .000000     .000000
1.00000  -11511.233     .000000     .000000     .000000     .000000     .000000

ELEM      51 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   11266.233     .000000     .000000     .000000     .000000     .000000
0.50000   11260.789     .000000     .000000     .000000     .000000     .000000
1.00000   11255.344     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -11266.233     .000000     .000000     .000000     .000000     .000000
0.50000  -11260.789     .000000     .000000     .000000     .000000     .000000
1.00000  -11255.344     .000000     .000000     .000000     .000000     .000000

ELEM      52 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   10369.761     .000000     .000000     .000000     .000000     .000000
0.50000   10364.316     .000000     .000000     .000000     .000000     .000000
1.00000   10358.872     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -10369.761     .000000     .000000     .000000     .000000     .000000
0.50000  -10364.316     .000000     .000000     .000000     .000000     .000000
1.00000  -10358.872     .000000     .000000     .000000     .000000     .000000

ELEM      53 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9595.827     .000000     .000000     .000000     .000000     .000000
0.50000    9590.383     .000000     .000000     .000000     .000000     .000000
1.00000    9584.938     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9595.827     .000000     .000000     .000000     .000000     .000000
0.50000   -9590.383     .000000     .000000     .000000     .000000     .000000
1.00000   -9584.938     .000000     .000000     .000000     .000000     .000000

ELEM      54 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8682.183     .000000     .000000     .000000     .000000     .000000
0.50000    8676.739     .000000     .000000     .000000     .000000     .000000
1.00000    8671.295     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8682.183	.000000	.000000	.000000	.000000	.000000
0.50000	-8676.739	.000000	.000000	.000000	.000000	.000000
1.00000	-8671.295	.000000	.000000	.000000	.000000	.000000

ELEM 55 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	8356.334	.000000	.000000	.000000	.000000	.000000
0.50000	8350.889	.000000	.000000	.000000	.000000	.000000
1.00000	8345.445	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-8356.334	.000000	.000000	.000000	.000000	.000000
0.50000	-8350.889	.000000	.000000	.000000	.000000	.000000
1.00000	-8345.445	.000000	.000000	.000000	.000000	.000000

ELEM 56 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7440.718	.000000	.000000	.000000	.000000	.000000
0.50000	7435.274	.000000	.000000	.000000	.000000	.000000
1.00000	7429.830	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7440.718	.000000	.000000	.000000	.000000	.000000
0.50000	-7435.274	.000000	.000000	.000000	.000000	.000000
1.00000	-7429.830	.000000	.000000	.000000	.000000	.000000

ELEM 57 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	7114.862	.000000	.000000	.000000	.000000	.000000
0.50000	7109.417	.000000	.000000	.000000	.000000	.000000
1.00000	7103.973	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-7114.862	.000000	.000000	.000000	.000000	.000000
0.50000	-7109.417	.000000	.000000	.000000	.000000	.000000
1.00000	-7103.973	.000000	.000000	.000000	.000000	.000000

ELEM 58 ========== LENGTH = 34.437500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	6535.039	.000000	.000000	.000000	.000000	.000000
0.50000	6531.133	.000000	.000000	.000000	.000000	.000000
1.00000	6527.227	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-6535.039	.000000	.000000	.000000	.000000	.000000
0.50000	-6531.133	.000000	.000000	.000000	.000000	.000000
1.00000	-6527.227	.000000	.000000	.000000	.000000	.000000

ELEM 59 ========== LENGTH = 88.562500

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	1970.091	.000000	.000000	.000000	.000000	.000000
0.50000	1960.045	.000000	.000000	.000000	.000000	.000000
1.00000	1950.000	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-1970.091	.000000	.000000	.000000	.000000	.000000
0.50000	-1960.045	.000000	.000000	.000000	.000000	.000000
1.00000	-1950.000	.000000	.000000	.000000	.000000	.000000

ELEM 61 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 62 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 63 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 64 ========== LENGTH = 31.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	154.602852	99.642617	9.05E-15	.000000	3.32E-13	3731.113
0.25000	154.602852	98.135672	8.87E-15	.000000	3.26E-13	3663.424
0.50000	154.602852	98.976528	8.90E-15	.000000	3.19E-13	3584.057
0.75000	154.602852	100.483473	9.08E-15	.000000	3.11E-13	3493.011
1.00000	154.602852	101.990418	9.26E-15	.000000	3.01E-13	3390.286

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-154.602852	-99.642617	-9.05E-15	.000000	-3.32E-13	-3731.113
0.25000	-154.602852	-98.135672	-8.87E-15	.000000	-3.26E-13	-3663.424
0.50000	-154.602852	-98.976528	-8.90E-15	.000000	-3.19E-13	-3584.057
0.75000	-154.602852	-100.483473	-9.08E-15	.000000	-3.11E-13	-3493.011
1.00000	-154.602852	-101.990418	-9.26E-15	.000000	-3.01E-13	-3390.286

ELEM 65 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	402.551494	63.000048	5.69E-15	.000000	.000000	.000000
0.25000	402.551494	61.833382	5.54E-15	.000000	3.37E-14	374.500290
0.50000	402.551494	60.666715	5.40E-15	.000000	6.65E-14	742.000579
0.75000	402.551494	59.500048	5.26E-15	.000000	9.85E-14	1102.501
1.00000	402.551494	58.333381	5.12E-15	.000000	1.30E-13	1456.001

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-402.551494	-63.000048	-5.69E-15	.000000	.000000	.000000
0.25000	-402.551494	-61.833382	-5.54E-15	.000000	-3.37E-14	-374.500290
0.50000	-402.551494	-60.666715	-5.40E-15	.000000	-6.65E-14	-742.000579
0.75000	-402.551494	-59.500048	-5.26E-15	.000000	-9.85E-14	-1102.501
1.00000	-402.551494	-58.333381	-5.12E-15	.000000	-1.30E-13	-1456.001

ELEM 67 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

```
REL DIST          P          V2          V3           T          M2          M3
0.00000  402.551494   30.333360    2.89E-15     .000000    1.28E-13    1456.001
0.25000  402.551494   28.000027    2.61E-15     .000000    1.01E-13    1134.001
0.50000  402.551494   30.333358    2.66E-15     .000000    7.07E-14  784.000602
0.75000  402.551494   32.666692    2.95E-15     .000000    3.71E-14  406.000302
1.00000  402.551494   35.000025    3.23E-15     .000000    5.79E-29    9.60E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -402.551494  -30.333360   -2.89E-15     .000000   -1.28E-13   -1456.001
0.25000 -402.551494  -28.000027   -2.61E-15     .000000   -1.01E-13   -1134.001
0.50000 -402.551494  -30.333358   -2.66E-15     .000000   -7.07E-14 -784.000602
0.75000 -402.551494  -32.666692   -2.95E-15     .000000   -3.71E-14 -406.000302
1.00000 -402.551494  -35.000025   -3.23E-15     .000000   -5.79E-29   -9.60E-13

ELEM      68 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  402.551494   35.000025    3.23E-15     .000000     .000000     .000000
0.25000  402.551494   32.666692    2.95E-15     .000000    3.71E-14  406.000303
0.50000  402.551494   30.333358    2.66E-15     .000000    7.07E-14  784.000603
0.75000  402.551494   28.000027    2.61E-15     .000000    1.01E-13    1134.001
1.00000  402.551494   30.333360    2.89E-15     .000000    1.28E-13    1456.001

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -402.551494  -35.000025   -3.23E-15     .000000     .000000     .000000
0.25000 -402.551494  -32.666692   -2.95E-15     .000000   -3.71E-14 -406.000303
0.50000 -402.551494  -30.333358   -2.66E-15     .000000   -7.07E-14 -784.000603
0.75000 -402.551494  -28.000027   -2.61E-15     .000000   -1.01E-13   -1134.001
1.00000 -402.551494  -30.333360   -2.89E-15     .000000   -1.28E-13   -1456.001

ELEM      69 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  402.551494   58.333381    5.12E-15     .000000    1.30E-13    1456.001
0.25000  402.551494   59.500048    5.26E-15     .000000    9.85E-14    1102.501
0.50000  402.551494   60.666715    5.40E-15     .000000    6.65E-14  742.000580
0.75000  402.551494   61.833382    5.54E-15     .000000    3.37E-14  374.500290
1.00000  402.551494   63.000048    5.69E-15     .000000    1.26E-28    3.97E-12

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -402.551494  -58.333381   -5.12E-15     .000000   -1.30E-13   -1456.001
0.25000 -402.551494  -59.500048   -5.26E-15     .000000   -9.85E-14   -1102.501
0.50000 -402.551494  -60.666715   -5.40E-15     .000000   -6.65E-14 -742.000580
0.75000 -402.551494  -61.833382   -5.54E-15     .000000   -3.37E-14 -374.500290
1.00000 -402.551494  -63.000048   -5.69E-15     .000000   -1.26E-28   -3.97E-12

ELEM      71 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  293.172301   11.000001    1.33E-15     .000000     .000000     .000000
```

```
0.25000  293.172301    5.500000    6.66E-16     .000000    1.80E-14  148.500012
0.50000  293.172301    3.55E-15    5.92E-31     .000000    2.40E-14  198.000016
0.75000  293.172301    5.500000    6.66E-16     .000000    1.80E-14  148.500012
1.00000  293.172301   11.000001    1.33E-15     .000000    4.02E-29    2.27E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -293.172301  -11.000001   -1.33E-15     .000000     .000000     .000000
0.25000 -293.172301   -5.500000   -6.66E-16     .000000   -1.80E-14 -148.500012
0.50000 -293.172301   -3.55E-15   -5.92E-31     .000000   -2.40E-14 -198.000016
0.75000 -293.172301   -5.500000   -6.66E-16     .000000   -1.80E-14 -148.500012
1.00000 -293.172301  -11.000001   -1.33E-15     .000000   -4.02E-29   -2.27E-13

ELEM      72 ================== LENGTH =   50.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    5917.869     .000000     .000000     .000000     .000000     .000000
0.50000    5912.141     .000000     .000000     .000000     .000000     .000000
1.00000    5906.413     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -5917.869     .000000     .000000     .000000     .000000     .000000
0.50000   -5912.141     .000000     .000000     .000000     .000000     .000000
1.00000   -5906.413     .000000     .000000     .000000     .000000     .000000

ELEM      73 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    5892.413     .000000     .000000     .000000     .000000     .000000
0.50000    5886.968     .000000     .000000     .000000     .000000     .000000
1.00000    5881.524     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -5892.413     .000000     .000000     .000000     .000000     .000000
0.50000   -5886.968     .000000     .000000     .000000     .000000     .000000
1.00000   -5881.524     .000000     .000000     .000000     .000000     .000000

ELEM      74 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    5874.524     .000000     .000000     .000000     .000000     .000000
0.50000    5869.079     .000000     .000000     .000000     .000000     .000000
1.00000    5863.635     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -5874.524     .000000     .000000     .000000     .000000     .000000
0.50000   -5869.079     .000000     .000000     .000000     .000000     .000000
1.00000   -5863.635     .000000     .000000     .000000     .000000     .000000

ELEM      75 ================== LENGTH =   15.750000
```

```
COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    5849.635     .000000     .000000     .000000     .000000     .000000
0.50000    5847.848     .000000     .000000     .000000     .000000     .000000
1.00000    5846.062     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -5849.635     .000000     .000000     .000000     .000000     .000000
0.50000   -5847.848     .000000     .000000     .000000     .000000     .000000
1.00000   -5846.062     .000000     .000000     .000000     .000000     .000000

ELEM      76 ================== LENGTH =   80.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    5370.228     .000000     .000000     .000000     .000000     .000000
0.50000    5361.069     .000000     .000000     .000000     .000000     .000000
1.00000    5351.910     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -5370.228     .000000     .000000     .000000     .000000     .000000
0.50000   -5361.069     .000000     .000000     .000000     .000000     .000000
1.00000   -5351.910     .000000     .000000     .000000     .000000     .000000

ELEM      77 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    4458.535     .000000     .000000     .000000     .000000     .000000
0.50000    4447.646     .000000     .000000     .000000     .000000     .000000
1.00000    4436.757     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -4458.535     .000000     .000000     .000000     .000000     .000000
0.50000   -4447.646     .000000     .000000     .000000     .000000     .000000
1.00000   -4436.757     .000000     .000000     .000000     .000000     .000000

ELEM      78 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3607.638     .000000     .000000     .000000     .000000     .000000
0.50000    3596.749     .000000     .000000     .000000     .000000     .000000
1.00000    3585.860     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3607.638     .000000     .000000     .000000     .000000     .000000
0.50000   -3596.749     .000000     .000000     .000000     .000000     .000000
1.00000   -3585.860     .000000     .000000     .000000     .000000     .000000
```

```
ELEM      79 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2869.681     .000000     .000000     .000000     .000000     .000000
0.50000    2858.792     .000000     .000000     .000000     .000000     .000000
1.00000    2847.903     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2869.681     .000000     .000000     .000000     .000000     .000000
0.50000   -2858.792     .000000     .000000     .000000     .000000     .000000
1.00000   -2847.903     .000000     .000000     .000000     .000000     .000000

ELEM      80 ================== LENGTH =  110.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2159.903     .000000     .000000     .000000     .000000     .000000
0.50000    2147.426     .000000     .000000     .000000     .000000     .000000
1.00000    2134.949     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2159.903     .000000     .000000     .000000     .000000     .000000
0.50000   -2147.426     .000000     .000000     .000000     .000000     .000000
1.00000   -2134.949     .000000     .000000     .000000     .000000     .000000

ELEM      81 ================== LENGTH =   13.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2134.949     .000000     .000000     .000000     .000000     .000000
0.50000    2133.475     .000000     .000000     .000000     .000000     .000000
1.00000    2132.000     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2134.949     .000000     .000000     .000000     .000000     .000000
0.50000   -2133.475     .000000     .000000     .000000     .000000     .000000
1.00000   -2132.000     .000000     .000000     .000000     .000000     .000000

ELEM      82 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
```

```
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM      84 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM      90 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  154.602852    7.000001    8.48E-16     .000000     .000000     .000000
0.25000  154.602852    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000  154.602852    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000  154.602852    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000  154.602852    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -154.602852   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000 -154.602852   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000 -154.602852   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000 -154.602852   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000 -154.602852   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM      91 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  402.551494    7.000001    8.48E-16     .000000     .000000     .000000
0.25000  402.551494    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000  402.551494    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000  402.551494    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000  402.551494    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -402.551494   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000 -402.551494   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000 -402.551494   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000 -402.551494   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
```

```
1.00000 -402.551494   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM      93 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  293.172301   11.000001    1.33E-15     .000000     .000000     .000000
0.25000  293.172301    5.500000    6.66E-16     .000000    1.80E-14  148.500012
0.50000  293.172301    3.55E-15    5.92E-31     .000000    2.40E-14  198.000016
0.75000  293.172301    5.500000    6.66E-16     .000000    1.80E-14  148.500012
1.00000  293.172301   11.000001    1.33E-15     .000000    4.02E-29    2.27E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -293.172301  -11.000001   -1.33E-15     .000000     .000000     .000000
0.25000 -293.172301   -5.500000   -6.66E-16     .000000   -1.80E-14 -148.500012
0.50000 -293.172301   -3.55E-15   -5.92E-31     .000000   -2.40E-14 -198.000016
0.75000 -293.172301   -5.500000   -6.66E-16     .000000   -1.80E-14 -148.500012
1.00000 -293.172301  -11.000001   -1.33E-15     .000000   -4.02E-29   -2.27E-13

ELEM      94 ================== LENGTH =   50.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    5025.361     .000000     .000000     .000000     .000000     .000000
0.50000    5019.633     .000000     .000000     .000000     .000000     .000000
1.00000    5013.905     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -5025.361     .000000     .000000     .000000     .000000     .000000
0.50000   -5019.633     .000000     .000000     .000000     .000000     .000000
1.00000   -5013.905     .000000     .000000     .000000     .000000     .000000

ELEM      95 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    4999.905     .000000     .000000     .000000     .000000     .000000
0.50000    4989.016     .000000     .000000     .000000     .000000     .000000
1.00000    4978.127     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -4999.905     .000000     .000000     .000000     .000000     .000000
0.50000   -4989.016     .000000     .000000     .000000     .000000     .000000
1.00000   -4978.127     .000000     .000000     .000000     .000000     .000000

ELEM      96 ================== LENGTH =   15.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    4964.127     .000000     .000000     .000000     .000000     .000000
0.50000    4962.341     .000000     .000000     .000000     .000000     .000000
1.00000    4960.554     .000000     .000000     .000000     .000000     .000000
```

```
COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -4964.127     .000000     .000000     .000000     .000000     .000000
0.50000   -4962.341     .000000     .000000     .000000     .000000     .000000
1.00000   -4960.554     .000000     .000000     .000000     .000000     .000000

ELEM      97 ================== LENGTH =   80.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    4650.054     .000000     .000000     .000000     .000000     .000000
0.50000    4640.895     .000000     .000000     .000000     .000000     .000000
1.00000    4631.736     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -4650.054     .000000     .000000     .000000     .000000     .000000
0.50000   -4640.895     .000000     .000000     .000000     .000000     .000000
1.00000   -4631.736     .000000     .000000     .000000     .000000     .000000

ELEM      98 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    4055.569     .000000     .000000     .000000     .000000     .000000
0.50000    4044.681     .000000     .000000     .000000     .000000     .000000
1.00000    4033.792     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -4055.569     .000000     .000000     .000000     .000000     .000000
0.50000   -4044.681     .000000     .000000     .000000     .000000     .000000
1.00000   -4033.792     .000000     .000000     .000000     .000000     .000000

ELEM      99 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3443.458     .000000     .000000     .000000     .000000     .000000
0.50000    3432.569     .000000     .000000     .000000     .000000     .000000
1.00000    3421.681     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3443.458     .000000     .000000     .000000     .000000     .000000
0.50000   -3432.569     .000000     .000000     .000000     .000000     .000000
1.00000   -3421.681     .000000     .000000     .000000     .000000     .000000

ELEM     100 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2841.681     .000000     .000000     .000000     .000000     .000000
0.50000    2830.792     .000000     .000000     .000000     .000000     .000000
1.00000    2819.903     .000000     .000000     .000000     .000000     .000000
```

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2841.681	.000000	.000000	.000000	.000000	.000000
0.50000	-2830.792	.000000	.000000	.000000	.000000	.000000
1.00000	-2819.903	.000000	.000000	.000000	.000000	.000000

ELEM 101 ========== LENGTH = 123.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	2159.903	.000000	.000000	.000000	.000000	.000000
0.50000	2145.951	.000000	.000000	.000000	.000000	.000000
1.00000	2132.000	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2159.903	.000000	.000000	.000000	.000000	.000000
0.50000	-2145.951	.000000	.000000	.000000	.000000	.000000
1.00000	-2132.000	.000000	.000000	.000000	.000000	.000000

ELEM 106 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 107 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

```
ELEM     108 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    4.279880    7.000001    8.48E-16     .000000     .000000     .000000
0.25000    4.279880    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000    4.279880    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000    4.279880    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000    4.279880    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -4.279880   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000   -4.279880   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000   -4.279880   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000   -4.279880   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000   -4.279880   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     109 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  940.029046    7.000001    8.48E-16     .000000     .000000     .000000
0.25000  940.029046    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000  940.029046    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000  940.029046    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000  940.029046    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -940.029046   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000 -940.029046   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000 -940.029046   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000 -940.029046   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000 -940.029046   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     110 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  120.070780    7.000001    8.48E-16     .000000     .000000     .000000
0.25000  120.070780    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000  120.070780    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000  120.070780    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000  120.070780    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -120.070780   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000 -120.070780   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000 -120.070780   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000 -120.070780   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000 -120.070780   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     111 ================== LENGTH =   72.000000
```

```
COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  154.602852    7.000001    8.48E-16     .000000     .000000     .000000
0.25000  154.602852    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000  154.602852    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000  154.602852    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000  154.602852    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -154.602852   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000 -154.602852   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000 -154.602852   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000 -154.602852   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000 -154.602852   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     112 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  402.551494    7.000001    8.48E-16     .000000     .000000     .000000
0.25000  402.551494    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000  402.551494    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000  402.551494    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000  402.551494    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -402.551494   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000 -402.551494   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000 -402.551494   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000 -402.551494   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000 -402.551494   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     113 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  293.172301   11.000001    1.33E-15     .000000     .000000     .000000
0.25000  293.172301    5.500000    6.66E-16     .000000    1.80E-14  148.500012
0.50000  293.172301    3.55E-15    5.92E-31     .000000    2.40E-14  198.000016
0.75000  293.172301    5.500000    6.66E-16     .000000    1.80E-14  148.500012
1.00000  293.172301   11.000001    1.33E-15     .000000    4.02E-29    2.27E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -293.172301  -11.000001   -1.33E-15     .000000     .000000     .000000
0.25000 -293.172301   -5.500000   -6.66E-16     .000000   -1.80E-14 -148.500012
0.50000 -293.172301   -3.55E-15   -5.92E-31     .000000   -2.40E-14 -198.000016
0.75000 -293.172301   -5.500000   -6.66E-16     .000000   -1.80E-14 -148.500012
1.00000 -293.172301  -11.000001   -1.33E-15     .000000   -4.02E-29   -2.27E-13

ELEM     118 ================== LENGTH =   50.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000    5025.361     .000000     .000000     .000000     .000000     .000000
0.50000    5019.633     .000000     .000000     .000000     .000000     .000000
1.00000    5013.905     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -5025.361     .000000     .000000     .000000     .000000     .000000
0.50000   -5019.633     .000000     .000000     .000000     .000000     .000000
1.00000   -5013.905     .000000     .000000     .000000     .000000     .000000

ELEM     119 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    4999.905     .000000     .000000     .000000     .000000     .000000
0.50000    4989.016     .000000     .000000     .000000     .000000     .000000
1.00000    4978.127     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -4999.905     .000000     .000000     .000000     .000000     .000000
0.50000   -4989.016     .000000     .000000     .000000     .000000     .000000
1.00000   -4978.127     .000000     .000000     .000000     .000000     .000000

ELEM     120 ================== LENGTH =   15.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    4964.127     .000000     .000000     .000000     .000000     .000000
0.50000    4962.341     .000000     .000000     .000000     .000000     .000000
1.00000    4960.554     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -4964.127     .000000     .000000     .000000     .000000     .000000
0.50000   -4962.341     .000000     .000000     .000000     .000000     .000000
1.00000   -4960.554     .000000     .000000     .000000     .000000     .000000

ELEM     121 ================== LENGTH =   80.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    4650.054     .000000     .000000     .000000     .000000     .000000
0.50000    4640.895     .000000     .000000     .000000     .000000     .000000
1.00000    4631.736     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -4650.054     .000000     .000000     .000000     .000000     .000000
0.50000   -4640.895     .000000     .000000     .000000     .000000     .000000
1.00000   -4631.736     .000000     .000000     .000000     .000000     .000000

ELEM     122 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    4055.569     .000000     .000000     .000000     .000000     .000000
0.50000    4044.681     .000000     .000000     .000000     .000000     .000000
1.00000    4033.792     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -4055.569     .000000     .000000     .000000     .000000     .000000
0.50000   -4044.681     .000000     .000000     .000000     .000000     .000000
1.00000   -4033.792     .000000     .000000     .000000     .000000     .000000

ELEM     123 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3443.458     .000000     .000000     .000000     .000000     .000000
0.50000    3432.569     .000000     .000000     .000000     .000000     .000000
1.00000    3421.681     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3443.458     .000000     .000000     .000000     .000000     .000000
0.50000   -3432.569     .000000     .000000     .000000     .000000     .000000
1.00000   -3421.681     .000000     .000000     .000000     .000000     .000000

ELEM     124 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2841.681     .000000     .000000     .000000     .000000     .000000
0.50000    2830.792     .000000     .000000     .000000     .000000     .000000
1.00000    2819.903     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2841.681     .000000     .000000     .000000     .000000     .000000
0.50000   -2830.792     .000000     .000000     .000000     .000000     .000000
1.00000   -2819.903     .000000     .000000     .000000     .000000     .000000

ELEM     125 ================== LENGTH =  123.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2159.903     .000000     .000000     .000000     .000000     .000000
0.50000    2145.951     .000000     .000000     .000000     .000000     .000000
1.00000    2132.000     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2159.903     .000000     .000000     .000000     .000000     .000000
0.50000   -2145.951     .000000     .000000     .000000     .000000     .000000
1.00000   -2132.000     .000000     .000000     .000000     .000000     .000000

ELEM     126 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 128 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 134 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	154.602852	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	154.602852	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	154.602852	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	154.602852	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	154.602852	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-154.602852	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	-154.602852	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	-154.602852	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	-154.602852	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	-154.602852	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 135 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	402.551494	7.000001	8.48E-16	.000000	.000000	.000000

```
0.25000  402.551494    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000  402.551494    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000  402.551494    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000  402.551494    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -402.551494   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000 -402.551494   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000 -402.551494   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000 -402.551494   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000 -402.551494   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     137 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  293.172301   11.000001    1.33E-15     .000000     .000000     .000000
0.25000  293.172301    5.500000    6.66E-16     .000000    1.80E-14  148.500012
0.50000  293.172301    3.55E-15    5.92E-31     .000000    2.40E-14  198.000016
0.75000  293.172301    5.500000    6.66E-16     .000000    1.80E-14  148.500012
1.00000  293.172301   11.000001    1.33E-15     .000000    4.02E-29    2.27E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -293.172301  -11.000001   -1.33E-15     .000000     .000000     .000000
0.25000 -293.172301   -5.500000   -6.66E-16     .000000   -1.80E-14 -148.500012
0.50000 -293.172301   -3.55E-15   -5.92E-31     .000000   -2.40E-14 -198.000016
0.75000 -293.172301   -5.500000   -6.66E-16     .000000   -1.80E-14 -148.500012
1.00000 -293.172301  -11.000001   -1.33E-15     .000000   -4.02E-29   -2.27E-13

ELEM     138 ================== LENGTH =   50.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    5917.869     .000000     .000000     .000000     .000000     .000000
0.50000    5912.141     .000000     .000000     .000000     .000000     .000000
1.00000    5906.413     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -5917.869     .000000     .000000     .000000     .000000     .000000
0.50000   -5912.141     .000000     .000000     .000000     .000000     .000000
1.00000   -5906.413     .000000     .000000     .000000     .000000     .000000

ELEM     139 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    5892.413     .000000     .000000     .000000     .000000     .000000
0.50000    5886.968     .000000     .000000     .000000     .000000     .000000
1.00000    5881.524     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -5892.413     .000000     .000000     .000000     .000000     .000000
```

```
0.50000   -5886.968     .000000     .000000     .000000     .000000     .000000
1.00000   -5881.524     .000000     .000000     .000000     .000000     .000000

ELEM     140 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    5874.524     .000000     .000000     .000000     .000000     .000000
0.50000    5869.079     .000000     .000000     .000000     .000000     .000000
1.00000    5863.635     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -5874.524     .000000     .000000     .000000     .000000     .000000
0.50000   -5869.079     .000000     .000000     .000000     .000000     .000000
1.00000   -5863.635     .000000     .000000     .000000     .000000     .000000

ELEM     141 ================== LENGTH =   15.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    5849.635     .000000     .000000     .000000     .000000     .000000
0.50000    5847.848     .000000     .000000     .000000     .000000     .000000
1.00000    5846.062     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -5849.635     .000000     .000000     .000000     .000000     .000000
0.50000   -5847.848     .000000     .000000     .000000     .000000     .000000
1.00000   -5846.062     .000000     .000000     .000000     .000000     .000000

ELEM     142 ================== LENGTH =   80.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    5370.228     .000000     .000000     .000000     .000000     .000000
0.50000    5361.069     .000000     .000000     .000000     .000000     .000000
1.00000    5351.910     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -5370.228     .000000     .000000     .000000     .000000     .000000
0.50000   -5361.069     .000000     .000000     .000000     .000000     .000000
1.00000   -5351.910     .000000     .000000     .000000     .000000     .000000

ELEM     143 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    4458.535     .000000     .000000     .000000     .000000     .000000
0.50000    4447.646     .000000     .000000     .000000     .000000     .000000
1.00000    4436.757     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000   -4458.535     .000000     .000000     .000000     .000000     .000000
0.50000   -4447.646     .000000     .000000     .000000     .000000     .000000
1.00000   -4436.757     .000000     .000000     .000000     .000000     .000000

ELEM     144 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3607.638     .000000     .000000     .000000     .000000     .000000
0.50000    3596.749     .000000     .000000     .000000     .000000     .000000
1.00000    3585.860     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3607.638     .000000     .000000     .000000     .000000     .000000
0.50000   -3596.749     .000000     .000000     .000000     .000000     .000000
1.00000   -3585.860     .000000     .000000     .000000     .000000     .000000

ELEM     145 ================== LENGTH =   96.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2869.681     .000000     .000000     .000000     .000000     .000000
0.50000    2858.792     .000000     .000000     .000000     .000000     .000000
1.00000    2847.903     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2869.681     .000000     .000000     .000000     .000000     .000000
0.50000   -2858.792     .000000     .000000     .000000     .000000     .000000
1.00000   -2847.903     .000000     .000000     .000000     .000000     .000000

ELEM     146 ================== LENGTH =  110.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2159.903     .000000     .000000     .000000     .000000     .000000
0.50000    2147.426     .000000     .000000     .000000     .000000     .000000
1.00000    2134.949     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2159.903     .000000     .000000     .000000     .000000     .000000
0.50000   -2147.426     .000000     .000000     .000000     .000000     .000000
1.00000   -2134.949     .000000     .000000     .000000     .000000     .000000

ELEM     147 ================== LENGTH =   13.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2134.949     .000000     .000000     .000000     .000000     .000000
0.50000    2133.475     .000000     .000000     .000000     .000000     .000000
1.00000    2132.000     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	-2134.949	.000000	.000000	.000000	.000000	.000000
0.50000	-2133.475	.000000	.000000	.000000	.000000	.000000
1.00000	-2132.000	.000000	.000000	.000000	.000000	.000000

ELEM 149 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 150 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	.000000	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 151 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	.000000	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	.000000	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	.000000	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	.000000	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	.000000	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	.000000	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008

```
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     159 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  293.172301   11.000001    1.33E-15     .000000     .000000     .000000
0.25000  293.172301    5.500000    6.66E-16     .000000    1.80E-14  148.500012
0.50000  293.172301    3.55E-15    5.92E-31     .000000    2.40E-14  198.000016
0.75000  293.172301    5.500000    6.66E-16     .000000    1.80E-14  148.500012
1.00000  293.172301   11.000001    1.33E-15     .000000    4.02E-29    2.27E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -293.172301  -11.000001   -1.33E-15     .000000     .000000     .000000
0.25000 -293.172301   -5.500000   -6.66E-16     .000000   -1.80E-14 -148.500012
0.50000 -293.172301   -3.55E-15   -5.92E-31     .000000   -2.40E-14 -198.000016
0.75000 -293.172301   -5.500000   -6.66E-16     .000000   -1.80E-14 -148.500012
1.00000 -293.172301  -11.000001   -1.33E-15     .000000   -4.02E-29   -2.27E-13

ELEM     160 ================== LENGTH =   50.500000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   11964.045     .000000     .000000     .000000     .000000     .000000
0.50000   11958.317     .000000     .000000     .000000     .000000     .000000
1.00000   11952.589     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -11964.045     .000000     .000000     .000000     .000000     .000000
0.50000  -11958.317     .000000     .000000     .000000     .000000     .000000
1.00000  -11952.589     .000000     .000000     .000000     .000000     .000000

ELEM     161 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   11945.589     .000000     .000000     .000000     .000000     .000000
0.50000   11940.145     .000000     .000000     .000000     .000000     .000000
1.00000   11934.701     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -11945.589     .000000     .000000     .000000     .000000     .000000
0.50000  -11940.145     .000000     .000000     .000000     .000000     .000000
1.00000  -11934.701     .000000     .000000     .000000     .000000     .000000

ELEM     162 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   11927.701     .000000     .000000     .000000     .000000     .000000
0.50000   11922.256     .000000     .000000     .000000     .000000     .000000
1.00000   11916.812     .000000     .000000     .000000     .000000     .000000
```

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-11927.701	.000000	.000000	.000000	.000000	.000000
0.50000	-11922.256	.000000	.000000	.000000	.000000	.000000
1.00000	-11916.812	.000000	.000000	.000000	.000000	.000000

ELEM 163 ========== LENGTH = 15.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	11909.812	.000000	.000000	.000000	.000000	.000000
0.50000	11908.025	.000000	.000000	.000000	.000000	.000000
1.00000	11906.239	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-11909.812	.000000	.000000	.000000	.000000	.000000
0.50000	-11908.025	.000000	.000000	.000000	.000000	.000000
1.00000	-11906.239	.000000	.000000	.000000	.000000	.000000

ELEM 164 ========== LENGTH = 32.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	11534.450	.000000	.000000	.000000	.000000	.000000
0.50000	11530.736	.000000	.000000	.000000	.000000	.000000
1.00000	11527.021	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-11534.450	.000000	.000000	.000000	.000000	.000000
0.50000	-11530.736	.000000	.000000	.000000	.000000	.000000
1.00000	-11527.021	.000000	.000000	.000000	.000000	.000000

ELEM 165 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	11282.021	.000000	.000000	.000000	.000000	.000000
0.50000	11276.577	.000000	.000000	.000000	.000000	.000000
1.00000	11271.132	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-11282.021	.000000	.000000	.000000	.000000	.000000
0.50000	-11276.577	.000000	.000000	.000000	.000000	.000000
1.00000	-11271.132	.000000	.000000	.000000	.000000	.000000

ELEM 166 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	10385.549	.000000	.000000	.000000	.000000	.000000
0.50000	10380.104	.000000	.000000	.000000	.000000	.000000
1.00000	10374.660	.000000	.000000	.000000	.000000	.000000

```
COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -10385.549     .000000     .000000     .000000     .000000     .000000
0.50000  -10380.104     .000000     .000000     .000000     .000000     .000000
1.00000  -10374.660     .000000     .000000     .000000     .000000     .000000

ELEM     167 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9595.970     .000000     .000000     .000000     .000000     .000000
0.50000    9590.525     .000000     .000000     .000000     .000000     .000000
1.00000    9585.081     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9595.970     .000000     .000000     .000000     .000000     .000000
0.50000   -9590.525     .000000     .000000     .000000     .000000     .000000
1.00000   -9585.081     .000000     .000000     .000000     .000000     .000000

ELEM     168 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8682.326     .000000     .000000     .000000     .000000     .000000
0.50000    8676.881     .000000     .000000     .000000     .000000     .000000
1.00000    8671.437     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8682.326     .000000     .000000     .000000     .000000     .000000
0.50000   -8676.881     .000000     .000000     .000000     .000000     .000000
1.00000   -8671.437     .000000     .000000     .000000     .000000     .000000

ELEM     169 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8356.438     .000000     .000000     .000000     .000000     .000000
0.50000    8350.994     .000000     .000000     .000000     .000000     .000000
1.00000    8345.549     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8356.438     .000000     .000000     .000000     .000000     .000000
0.50000   -8350.994     .000000     .000000     .000000     .000000     .000000
1.00000   -8345.549     .000000     .000000     .000000     .000000     .000000

ELEM     170 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7440.823     .000000     .000000     .000000     .000000     .000000
0.50000    7435.378     .000000     .000000     .000000     .000000     .000000
```

```
1.00000    7429.934     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7440.823     .000000     .000000     .000000     .000000     .000000
0.50000   -7435.378     .000000     .000000     .000000     .000000     .000000
1.00000   -7429.934     .000000     .000000     .000000     .000000     .000000

ELEM     171 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7114.906     .000000     .000000     .000000     .000000     .000000
0.50000    7109.461     .000000     .000000     .000000     .000000     .000000
1.00000    7104.017     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7114.906     .000000     .000000     .000000     .000000     .000000
0.50000   -7109.461     .000000     .000000     .000000     .000000     .000000
1.00000   -7104.017     .000000     .000000     .000000     .000000     .000000

ELEM     172 ================== LENGTH =   34.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    6539.073     .000000     .000000     .000000     .000000     .000000
0.50000    6535.167     .000000     .000000     .000000     .000000     .000000
1.00000    6531.261     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -6539.073     .000000     .000000     .000000     .000000     .000000
0.50000   -6535.167     .000000     .000000     .000000     .000000     .000000
1.00000   -6531.261     .000000     .000000     .000000     .000000     .000000

ELEM     173 ================== LENGTH =   88.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1970.091     .000000     .000000     .000000     .000000     .000000
0.50000    1960.045     .000000     .000000     .000000     .000000     .000000
1.00000    1950.000     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1970.091     .000000     .000000     .000000     .000000     .000000
0.50000   -1960.045     .000000     .000000     .000000     .000000     .000000
1.00000   -1950.000     .000000     .000000     .000000     .000000     .000000

ELEM     174 ================== LENGTH =   39.905978

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  703.636385    4.083334    4.95E-16     .000000     .000000     .000000
```

```
0.50000  701.683327    9.33E-16    1.07E-31     .000000    4.93E-15   40.737356
1.00000  699.730268    4.083334    4.95E-16     .000000    5.23E-30    4.67E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -703.636385   -4.083334   -4.95E-16     .000000     .000000     .000000
0.50000 -701.683327   -9.33E-16   -1.07E-31     .000000   -4.93E-15  -40.737356
1.00000 -699.730268   -4.083334   -4.95E-16     .000000   -5.23E-30   -4.67E-14

ELEM     175 ================== LENGTH =   39.905935

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  862.684717    4.083334    4.95E-16     .000000     .000000     .000000
0.50000  860.731670    1.20E-15    1.23E-31     .000000    4.93E-15   40.737312
1.00000  858.778623    4.083334    4.95E-16     .000000    5.13E-30    3.77E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -862.684717   -4.083334   -4.95E-16     .000000     .000000     .000000
0.50000 -860.731670   -1.20E-15   -1.23E-31     .000000   -4.93E-15  -40.737312
1.00000 -858.778623   -4.083334   -4.95E-16     .000000   -5.13E-30   -3.77E-14

ELEM     177 ================== LENGTH =   79.098436

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7.637596    7.000001    8.48E-16     .000000     .000000     .000000
0.50000    4.711797    3.05E-15    5.56E-31     .000000    1.68E-14  138.422273
1.00000    7.895825    7.000001    8.48E-16     .000000    4.67E-29    2.73E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7.637596   -7.000001   -8.48E-16     .000000     .000000     .000000
0.50000   -4.711797   -3.05E-15   -5.56E-31     .000000   -1.68E-14 -138.422273
1.00000   -7.895825   -7.000001   -8.48E-16     .000000   -4.67E-29   -2.73E-13

ELEM     179 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000    7.000001    8.48E-16     .000000     .000000     .000000
0.25000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000     .000000    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000     .000000    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000     .000000    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000     .000000   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000     .000000   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000     .000000   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000     .000000   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     181 ================== LENGTH =   86.533231
```

```
COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1150.480    7.000001    8.48E-16     .000000     .000000     .000000
0.50000    1145.814    8.91E-16    3.38E-31     .000000    1.83E-14  151.433166
1.00000    1141.147    7.000001    8.48E-16     .000000    2.79E-29    7.59E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1150.480   -7.000001   -8.48E-16     .000000     .000000     .000000
0.50000   -1145.814   -8.91E-16   -3.38E-31     .000000   -1.83E-14 -151.433166
1.00000   -1141.147   -7.000001   -8.48E-16     .000000   -2.79E-29   -7.59E-14

ELEM     182 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  953.374660    7.000001    8.48E-16     .000000     .000000     .000000
0.25000  953.374660    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000  953.374660    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000  953.374660    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000  953.374660    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -953.374660   -7.000001   -8.48E-16     .000000     .000000     .000000
0.25000 -953.374660   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
0.50000 -953.374660   -2.89E-15   -1.17E-31     .000000   -1.53E-14 -126.000010
0.75000 -953.374660   -3.500000   -4.24E-16     .000000   -1.14E-14  -94.500008
1.00000 -953.374660   -7.000001   -8.48E-16     .000000   -7.71E-30   -2.02E-13

ELEM     184 ================== LENGTH =   86.533231

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   59.594217    7.000001    8.48E-16     .000000     .000000     .000000
0.50000   63.080485    8.91E-16    3.38E-31     .000000    1.83E-14  151.433166
1.00000   67.747152    7.000001    8.48E-16     .000000    2.79E-29    7.59E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -59.594217   -7.000001   -8.48E-16     .000000     .000000     .000000
0.50000  -63.080485   -8.91E-16   -3.38E-31     .000000   -1.83E-14 -151.433166
1.00000  -67.747152   -7.000001   -8.48E-16     .000000   -2.79E-29   -7.59E-14

ELEM     185 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   52.486136    7.000001    8.48E-16     .000000     .000000     .000000
0.25000   52.486136    3.500000    4.24E-16     .000000    1.14E-14   94.500008
0.50000   52.486136    2.89E-15    1.17E-31     .000000    1.53E-14  126.000010
0.75000   52.486136    3.500000    4.24E-16     .000000    1.14E-14   94.500008
1.00000   52.486136    7.000001    8.48E-16     .000000    7.71E-30    2.02E-13

COMBDEADLOAD ------------------ MIN
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	-52.486136	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	-52.486136	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	-52.486136	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	-52.486136	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	-52.486136	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 187 ========== LENGTH = 86.533231

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	58.762142	7.000001	8.48E-16	.000000	.000000	.000000
0.50000	63.428809	8.91E-16	3.38E-31	.000000	1.83E-14	151.433166
1.00000	68.095476	7.000001	8.48E-16	.000000	2.79E-29	7.59E-14

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-58.762142	-7.000001	-8.48E-16	.000000	.000000	.000000
0.50000	-63.428809	-8.91E-16	-3.38E-31	.000000	-1.83E-14	-151.433166
1.00000	-68.095476	-7.000001	-8.48E-16	.000000	-2.79E-29	-7.59E-14

ELEM 188 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	52.775959	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	52.775959	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	52.775959	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	52.775959	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	52.775959	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-52.775959	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	-52.775959	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	-52.775959	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	-52.775959	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	-52.775959	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

ELEM 189 ========== LENGTH = 72.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	857.849019	7.000001	8.48E-16	.000000	.000000	.000000
0.25000	857.849019	3.500000	4.24E-16	.000000	1.14E-14	94.500008
0.50000	857.849019	2.89E-15	1.17E-31	.000000	1.53E-14	126.000010
0.75000	857.849019	3.500000	4.24E-16	.000000	1.14E-14	94.500008
1.00000	857.849019	7.000001	8.48E-16	.000000	7.71E-30	2.02E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-857.849019	-7.000001	-8.48E-16	.000000	.000000	.000000
0.25000	-857.849019	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
0.50000	-857.849019	-2.89E-15	-1.17E-31	.000000	-1.53E-14	-126.000010
0.75000	-857.849019	-3.500000	-4.24E-16	.000000	-1.14E-14	-94.500008
1.00000	-857.849019	-7.000001	-8.48E-16	.000000	-7.71E-30	-2.02E-13

```
ELEM     191 ================== LENGTH =   72.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  293.172301   11.000001    1.33E-15     .000000     .000000     .000000
0.25000  293.172301    5.500000    6.66E-16     .000000    1.80E-14  148.500012
0.50000  293.172301    3.55E-15    5.92E-31     .000000    2.40E-14  198.000016
0.75000  293.172301    5.500000    6.66E-16     .000000    1.80E-14  148.500012
1.00000  293.172301   11.000001    1.33E-15     .000000    4.02E-29    2.27E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -293.172301  -11.000001   -1.33E-15     .000000     .000000     .000000
0.25000 -293.172301   -5.500000   -6.66E-16     .000000   -1.80E-14 -148.500012
0.50000 -293.172301   -3.55E-15   -5.92E-31     .000000   -2.40E-14 -198.000016
0.75000 -293.172301   -5.500000   -6.66E-16     .000000   -1.80E-14 -148.500012
1.00000 -293.172301  -11.000001   -1.33E-15     .000000   -4.02E-29   -2.27E-13

ELEM     192 ================== LENGTH =   39.905978

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  874.438809    4.083334    4.95E-16     .000000     .000000     .000000
0.50000  876.391867    9.33E-16    1.07E-31     .000000    4.93E-15   40.737356
1.00000  878.344926    4.083334    4.95E-16     .000000    5.23E-30    4.67E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -874.438809   -4.083334   -4.95E-16     .000000     .000000     .000000
0.50000 -876.391867   -9.33E-16   -1.07E-31     .000000   -4.93E-15  -40.737356
1.00000 -878.344926   -4.083334   -4.95E-16     .000000   -5.23E-30   -4.67E-14

ELEM     193 ================== LENGTH =   39.905935

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  697.816964    4.083334    4.95E-16     .000000     .000000     .000000
0.50000  699.770011    1.20E-15    1.23E-31     .000000    4.93E-15   40.737312
1.00000  701.723058    4.083334    4.95E-16     .000000    5.13E-30    3.77E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -697.816964   -4.083334   -4.95E-16     .000000     .000000     .000000
0.50000 -699.770011   -1.20E-15   -1.23E-31     .000000   -4.93E-15  -40.737312
1.00000 -701.723058   -4.083334   -4.95E-16     .000000   -5.13E-30   -3.77E-14

ELEM     194 ================== LENGTH =   15.750000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   14931.993     .000000     .000000     .000000     .000000     .000000
0.50000   14928.421     .000000     .000000     .000000     .000000     .000000
1.00000   14924.848     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	-14931.993	.000000	.000000	.000000	.000000	.000000
0.50000	-14928.421	.000000	.000000	.000000	.000000	.000000
1.00000	-14924.848	.000000	.000000	.000000	.000000	.000000

ELEM 195 ========== LENGTH = 32.750000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	14748.181	.000000	.000000	.000000	.000000	.000000
0.50000	14740.752	.000000	.000000	.000000	.000000	.000000
1.00000	14733.322	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-14748.181	.000000	.000000	.000000	.000000	.000000
0.50000	-14740.752	.000000	.000000	.000000	.000000	.000000
1.00000	-14733.322	.000000	.000000	.000000	.000000	.000000

ELEM 196 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	14475.730	.000000	.000000	.000000	.000000	.000000
0.50000	14464.841	.000000	.000000	.000000	.000000	.000000
1.00000	14453.953	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-14475.730	.000000	.000000	.000000	.000000	.000000
0.50000	-14464.841	.000000	.000000	.000000	.000000	.000000
1.00000	-14453.953	.000000	.000000	.000000	.000000	.000000

ELEM 197 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	14544.336	.000000	.000000	.000000	.000000	.000000
0.50000	14533.448	.000000	.000000	.000000	.000000	.000000
1.00000	14522.559	.000000	.000000	.000000	.000000	.000000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-14544.336	.000000	.000000	.000000	.000000	.000000
0.50000	-14533.448	.000000	.000000	.000000	.000000	.000000
1.00000	-14522.559	.000000	.000000	.000000	.000000	.000000

ELEM 198 ========== LENGTH = 48.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	10438.168	.000000	.000000	.000000	.000000	.000000
0.50000	10432.724	.000000	.000000	.000000	.000000	.000000
1.00000	10427.279	.000000	.000000	.000000	.000000	.000000

```
COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -10438.168     .000000     .000000     .000000     .000000     .000000
0.50000  -10432.724     .000000     .000000     .000000     .000000     .000000
1.00000  -10427.279     .000000     .000000     .000000     .000000     .000000

ELEM     199 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9865.292     .000000     .000000     .000000     .000000     .000000
0.50000    9859.848     .000000     .000000     .000000     .000000     .000000
1.00000    9854.404     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9865.292     .000000     .000000     .000000     .000000     .000000
0.50000   -9859.848     .000000     .000000     .000000     .000000     .000000
1.00000   -9854.404     .000000     .000000     .000000     .000000     .000000

ELEM     200 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    9561.971     .000000     .000000     .000000     .000000     .000000
0.50000    9556.526     .000000     .000000     .000000     .000000     .000000
1.00000    9551.082     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -9561.971     .000000     .000000     .000000     .000000     .000000
0.50000   -9556.526     .000000     .000000     .000000     .000000     .000000
1.00000   -9551.082     .000000     .000000     .000000     .000000     .000000

ELEM     201 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8621.745     .000000     .000000     .000000     .000000     .000000
0.50000    8616.300     .000000     .000000     .000000     .000000     .000000
1.00000    8610.856     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8621.745     .000000     .000000     .000000     .000000     .000000
0.50000   -8616.300     .000000     .000000     .000000     .000000     .000000
1.00000   -8610.856     .000000     .000000     .000000     .000000     .000000

ELEM     202 ================== LENGTH =   48.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    8315.990     .000000     .000000     .000000     .000000     .000000
0.50000    8310.545     .000000     .000000     .000000     .000000     .000000
1.00000    8305.101     .000000     .000000     .000000     .000000     .000000
```

```
COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -8315.990     .000000     .000000     .000000     .000000     .000000
0.50000   -8310.545     .000000     .000000     .000000     .000000     .000000
1.00000   -8305.101     .000000     .000000     .000000     .000000     .000000

ELEM     203 ================== LENGTH =   34.437500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    7674.618     .000000     .000000     .000000     .000000     .000000
0.50000    7670.712     .000000     .000000     .000000     .000000     .000000
1.00000    7666.806     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -7674.618     .000000     .000000     .000000     .000000     .000000
0.50000   -7670.712     .000000     .000000     .000000     .000000     .000000
1.00000   -7666.806     .000000     .000000     .000000     .000000     .000000

ELEM     204 ================== LENGTH =   88.562500

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1972.547     .000000     .000000     .000000     .000000     .000000
0.50000    1962.502     .000000     .000000     .000000     .000000     .000000
1.00000    1952.457     .000000     .000000     .000000     .000000     .000000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1972.547     .000000     .000000     .000000     .000000     .000000
0.50000   -1962.502     .000000     .000000     .000000     .000000     .000000
1.00000   -1952.457     .000000     .000000     .000000     .000000     .000000

ELEM     205 ================== LENGTH =   49.604034

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3853.700    1.216483    1.47E-16     .000000     .000000     .000000
0.50000    3849.033    2.53E-16    8.41E-32     .000000    1.83E-15   15.085621
1.00000    3844.367    1.216483    1.47E-16     .000000    3.62E-30    1.37E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3853.700   -1.216483   -1.47E-16     .000000     .000000     .000000
0.50000   -3849.033   -2.53E-16   -8.41E-32     .000000   -1.83E-15  -15.085621
1.00000   -3844.367   -1.216483   -1.47E-16     .000000   -3.62E-30   -1.37E-14

ELEM     207 ================== LENGTH =   25.024800

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   52.486136    2.433204    2.95E-16     .000000    3.26E-16    0.002975
0.25000   52.486136    1.216721    1.47E-16     .000000    1.06E-15   11.417324
```

```
0.50000   52.486136    0.000238    2.15E-20     .000000    1.52E-15   15.221119
0.75000   52.486136    1.216721    1.47E-16     .000000    1.06E-15   11.417320
1.00000   52.486136    2.433205    2.95E-16     .000000    3.26E-16    0.002983

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -52.486136   -2.433204   -2.95E-16     .000000   -3.26E-16   -0.002975
0.25000  -52.486136   -1.216721   -1.47E-16     .000000   -1.06E-15  -11.417324
0.50000  -52.486136   -0.000238   -2.15E-20     .000000   -1.52E-15  -15.221119
0.75000  -52.486136   -1.216721   -1.47E-16     .000000   -1.06E-15  -11.417320
1.00000  -52.486136   -2.433205   -2.95E-16     .000000   -3.26E-16   -0.002983

ELEM     208 ================== LENGTH =   49.604034

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3584.817    1.216483    1.47E-16     .000000     .000000     .000000
0.50000    3580.151    1.60E-16    2.61E-32     .000000    1.83E-15   15.085621
1.00000    3575.484    1.216483    1.47E-16     .000000    1.43E-30    6.57E-15

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3584.817   -1.216483   -1.47E-16     .000000     .000000     .000000
0.50000   -3580.151   -1.60E-16   -2.61E-32     .000000   -1.83E-15  -15.085621
1.00000   -3575.484   -1.216483   -1.47E-16     .000000   -1.43E-30   -6.57E-15

ELEM     210 ================== LENGTH =   50.049600

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   52.775959    4.865934    5.89E-16     .000000     .000000     .000000
0.25000   52.775959    2.432967    2.95E-16     .000000    5.53E-15   45.663382
0.50000   52.775959    6.72E-18    8.85E-32     .000000    7.37E-15   60.884509
0.75000   52.775959    2.432967    2.95E-16     .000000    5.53E-15   45.663382
1.00000   52.775959    4.865934    5.89E-16     .000000    5.25E-30    4.24E-15

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -52.775959   -4.865934   -5.89E-16     .000000     .000000     .000000
0.25000  -52.775959   -2.432967   -2.95E-16     .000000   -5.53E-15  -45.663382
0.50000  -52.775959   -6.72E-18   -8.85E-32     .000000   -7.37E-15  -60.884509
0.75000  -52.775959   -2.432967   -2.95E-16     .000000   -5.53E-15  -45.663382
1.00000  -52.775959   -4.865934   -5.89E-16     .000000   -5.25E-30   -4.24E-15

ELEM     211 ================== LENGTH =   49.604034

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3417.323    1.216483    1.47E-16     .000000     .000000     .000000
0.50000    3412.656    2.70E-16    5.30E-33     .000000    1.83E-15   15.085621
1.00000    3407.990    1.216483    1.47E-16     .000000    6.07E-31    1.15E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3417.323   -1.216483   -1.47E-16     .000000     .000000     .000000
0.50000   -3412.656   -2.70E-16   -5.30E-33     .000000   -1.83E-15  -15.085621
```

```
1.00000   -3407.990   -1.216483   -1.47E-16     .000000   -6.07E-31   -1.15E-14

ELEM     212 ================== LENGTH =   62.562000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   68.651232    6.082417    7.37E-16     .000000     .000000     .000000
0.25000   68.651232    3.041209    3.68E-16     .000000    8.64E-15   71.349034
0.50000   68.651232    2.66E-15    1.00E-31     .000000    1.15E-14   95.132045
0.75000   68.651232    3.041209    3.68E-16     .000000    8.64E-15   71.349034
1.00000   68.651232    6.082417    7.37E-16     .000000    4.86E-30    1.66E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000  -68.651232   -6.082417   -7.37E-16     .000000     .000000     .000000
0.25000  -68.651232   -3.041209   -3.68E-16     .000000   -8.64E-15  -71.349034
0.50000  -68.651232   -2.66E-15   -1.00E-31     .000000   -1.15E-14  -95.132045
0.75000  -68.651232   -3.041209   -3.68E-16     .000000   -8.64E-15  -71.349034
1.00000  -68.651232   -6.082417   -7.37E-16     .000000   -4.86E-30   -1.66E-13

ELEM     214 ================== LENGTH =   49.604034

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    3012.308    1.216483    1.47E-16     .000000     .000000     .000000
0.50000    3007.642    3.25E-17    2.39E-32     .000000    1.83E-15   15.085621
1.00000    3002.975    1.216483    1.47E-16     .000000    1.63E-30    1.41E-16

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -3012.308   -1.216483   -1.47E-16     .000000     .000000     .000000
0.50000   -3007.642   -3.25E-17   -2.39E-32     .000000   -1.83E-15  -15.085621
1.00000   -3002.975   -1.216483   -1.47E-16     .000000   -1.63E-30   -1.41E-16

ELEM     215 ================== LENGTH =   94.625000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  293.172301   14.456598    1.75E-15     .000000     .000000     .000000
0.25000  293.172301    7.228299    8.75E-16     .000000    3.11E-14  256.491679
0.50000  293.172301    3.89E-15    1.23E-32     .000000    4.14E-14  341.988905
0.75000  293.172301    7.228299    8.75E-16     .000000    3.11E-14  256.491679
1.00000  293.172301   14.456598    1.75E-15     .000000    1.87E-30    4.43E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -293.172301  -14.456598   -1.75E-15     .000000     .000000     .000000
0.25000 -293.172301   -7.228299   -8.75E-16     .000000   -3.11E-14 -256.491679
0.50000 -293.172301   -3.89E-15   -1.23E-32     .000000   -4.14E-14 -341.988905
0.75000 -293.172301   -7.228299   -8.75E-16     .000000   -3.11E-14 -256.491679
1.00000 -293.172301  -14.456598   -1.75E-15     .000000   -1.87E-30   -4.43E-13

ELEM     216 ================== LENGTH =   49.604034

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000    2842.300    1.216483    1.47E-16     .000000     .000000     .000000
0.50000    2837.633    2.53E-16    8.41E-32     .000000    1.83E-15   15.085621
1.00000    2832.966    1.216483    1.47E-16     .000000    3.62E-30    1.37E-14

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2842.300   -1.216483   -1.47E-16     .000000     .000000     .000000
0.50000   -2837.633   -2.53E-16   -8.41E-32     .000000   -1.83E-15  -15.085621
1.00000   -2832.966   -1.216483   -1.47E-16     .000000   -3.62E-30   -1.37E-14

ELEM     217 ================== LENGTH =   35.588312

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    2570.882    0.872764    1.06E-16     .000000     .000000     .000000
0.50000    2567.534    2.02E-16    3.78E-32     .000000    9.40E-16    7.765049
1.00000    2564.186    0.872764    1.06E-16     .000000    1.32E-30    7.04E-15

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -2570.882   -0.872764   -1.06E-16     .000000     .000000     .000000
0.50000   -2567.534   -2.02E-16   -3.78E-32     .000000   -9.40E-16   -7.765049
1.00000   -2564.186   -0.872764   -1.06E-16     .000000   -1.32E-30   -7.04E-15

ELEM     218 ================== LENGTH =   91.522018

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    1265.612    2.244472    2.72E-16     .000000     .000000     .000000
0.50000    1257.002    7.48E-17    6.79E-32     .000000    6.22E-15   51.354661
1.00000    1248.392    2.244472    2.72E-16     .000000    6.06E-30    3.05E-15

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -1265.612   -2.244472   -2.72E-16     .000000     .000000     .000000
0.50000   -1257.002   -7.48E-17   -6.79E-32     .000000   -6.22E-15  -51.354661
1.00000   -1248.392   -2.244472   -2.72E-16     .000000   -6.06E-30   -3.05E-15

ELEM     219 ================== LENGTH =   17.539000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  335.308817  201.063615    7.79E-15     .000000     .000000     .000000
0.25000  335.308817  199.723830    7.63E-15     .000000    3.38E-14  878.676376
0.50000  335.308817  198.384046    7.47E-15     .000000    6.69E-14    1751.478
0.75000  335.308817  197.044261    7.31E-15     .000000    9.93E-14    2618.405
1.00000  335.308817  195.704476    7.28E-15     .000000    1.31E-13    3479.458

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -335.308817 -201.063615   -7.79E-15     .000000     .000000     .000000
0.25000 -335.308817 -199.723830   -7.63E-15     .000000   -3.38E-14 -878.676376
0.50000 -335.308817 -198.384046   -7.47E-15     .000000   -6.69E-14   -1751.478
0.75000 -335.308817 -197.044261   -7.31E-15     .000000   -9.93E-14   -2618.405
1.00000 -335.308817 -195.704476   -7.28E-15     .000000   -1.31E-13   -3479.458
```

ELEM 220 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	335.308817	48.704476	2.24E-15	.000000	1.22E-13	3479.456
0.25000	335.308817	46.871142	2.02E-15	.000000	1.35E-13	3766.182
0.50000	335.308817	45.037809	1.80E-15	.000000	1.46E-13	4041.909
0.75000	335.308817	43.204475	1.87E-15	.000000	1.56E-13	4306.635
1.00000	335.308817	44.896955	2.09E-15	.000000	1.65E-13	4560.362

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-335.308817	-48.704476	-2.24E-15	.000000	-1.22E-13	-3479.456
0.25000	-335.308817	-46.871142	-2.02E-15	.000000	-1.35E-13	-3766.182
0.50000	-335.308817	-45.037809	-1.80E-15	.000000	-1.46E-13	-4041.909
0.75000	-335.308817	-43.204475	-1.87E-15	.000000	-1.56E-13	-4306.635
1.00000	-335.308817	-44.896955	-2.09E-15	.000000	-1.65E-13	-4560.362

ELEM 221 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	335.308817	127.629001	5.26E-15	.000000	1.69E-13	4560.362
0.25000	335.308817	129.462335	5.04E-15	.000000	1.40E-13	3789.088
0.50000	335.308817	131.295668	5.25E-15	.000000	1.09E-13	3006.815
0.75000	335.308817	133.129002	5.47E-15	.000000	7.68E-14	2213.542
1.00000	335.308817	134.962335	5.69E-15	.000000	4.33E-14	1409.268

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-335.308817	-127.629001	-5.26E-15	.000000	-1.69E-13	-4560.362
0.25000	-335.308817	-129.462335	-5.04E-15	.000000	-1.40E-13	-3789.088
0.50000	-335.308817	-131.295668	-5.25E-15	.000000	-1.09E-13	-3006.815
0.75000	-335.308817	-133.129002	-5.47E-15	.000000	-7.68E-14	-2213.542
1.00000	-335.308817	-134.962335	-5.69E-15	.000000	-4.33E-14	-1409.268

ELEM 222 ========== LENGTH = 5.999980

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	335.308817	233.962335	1.16E-14	.000000	7.02E-14	1409.269
0.25000	335.308817	234.420667	1.17E-14	.000000	5.28E-14	1057.983
0.50000	335.308817	234.878999	1.17E-14	.000000	3.53E-14	706.009639
0.75000	335.308817	235.337331	1.18E-14	.000000	1.77E-14	353.348567
1.00000	335.308817	235.795663	1.18E-14	.000000	1.47E-27	3.06E-11

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-335.308817	-233.962335	-1.16E-14	.000000	-7.02E-14	-1409.269
0.25000	-335.308817	-234.420667	-1.17E-14	.000000	-5.28E-14	-1057.983
0.50000	-335.308817	-234.878999	-1.17E-14	.000000	-3.53E-14	-706.009639
0.75000	-335.308817	-235.337331	-1.18E-14	.000000	-1.77E-14	-353.348567
1.00000	-335.308817	-235.795663	-1.18E-14	.000000	-1.47E-27	-3.06E-11

ELEM 223 ========== LENGTH = 9.537200

COMBDEADLOAD ---------- MAX

```
REL DIST          P          V2          V3           T          M2          M3
0.00000  101.946662  242.026343    2.21E-14     .000000     .000000     .000000
0.25000  101.946662  241.562729    2.21E-14     .000000    5.27E-14  576.510713
0.50000  101.946662  241.099115    2.20E-14     .000000    1.05E-13    1151.916
0.75000  101.946662  240.635502    2.19E-14     .000000    1.58E-13    1726.216
1.00000  101.946662  240.171888    2.19E-14     .000000    2.10E-13    2299.410

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -101.946662 -242.026343   -2.21E-14     .000000     .000000     .000000
0.25000 -101.946662 -241.562729   -2.21E-14     .000000   -5.27E-14 -576.510713
0.50000 -101.946662 -241.099115   -2.20E-14     .000000   -1.05E-13   -1151.916
0.75000 -101.946662 -240.635502   -2.19E-14     .000000   -1.58E-13   -1726.216
1.00000 -101.946662 -240.171888   -2.19E-14     .000000   -2.10E-13   -2299.410

ELEM     224 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  101.946662   58.418297    5.36E-15     .000000    2.05E-13    2299.409
0.25000  101.946662   57.251631    5.22E-15     .000000    1.76E-13    1966.939
0.50000  101.946662   57.161643    5.17E-15     .000000    1.45E-13    1627.470
0.75000  101.946662   58.328310    5.31E-15     .000000    1.14E-13    1281.001
1.00000  101.946662   59.494976    5.45E-15     .000000    8.12E-14  927.532769

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -101.946662  -58.418297   -5.36E-15     .000000   -2.05E-13   -2299.409
0.25000 -101.946662  -57.251631   -5.22E-15     .000000   -1.76E-13   -1966.939
0.50000 -101.946662  -57.161643   -5.17E-15     .000000   -1.45E-13   -1627.470
0.75000 -101.946662  -58.328310   -5.31E-15     .000000   -1.14E-13   -1281.001
1.00000 -101.946662  -59.494976   -5.45E-15     .000000   -8.12E-14 -927.532769

ELEM     225 ================== LENGTH =    3.999990

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  101.946662  231.494976    2.29E-14     .000000    9.16E-14  927.533138
0.25000  101.946662  231.689420    2.29E-14     .000000    6.87E-14  695.941519
0.50000  101.946662  231.883864    2.29E-14     .000000    4.59E-14  464.155456
0.75000  101.946662  232.078308    2.29E-14     .000000    2.29E-14  232.174950
1.00000  101.946662  232.272752    2.29E-14     .000000    2.33E-27    1.90E-11

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -101.946662 -231.494976   -2.29E-14     .000000   -9.16E-14 -927.533138
0.25000 -101.946662 -231.689420   -2.29E-14     .000000   -6.87E-14 -695.941519
0.50000 -101.946662 -231.883864   -2.29E-14     .000000   -4.59E-14 -464.155456
0.75000 -101.946662 -232.078308   -2.29E-14     .000000   -2.29E-14 -232.174950
1.00000 -101.946662 -232.272752   -2.29E-14     .000000   -2.33E-27   -1.90E-11

ELEM     226 ================== LENGTH =    8.512400

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000   67.670997   47.890511    4.42E-15     .000000     .000000     .000000
```

0.25000	67.670997	47.476714	4.37E-15	.000000	9.34E-15	101.475495
0.50000	67.670997	47.062916	4.31E-15	.000000	1.86E-14	202.070389
0.75000	67.670997	46.698927	4.31E-15	.000000	2.77E-14	301.784680
1.00000	67.670997	47.112724	4.36E-15	.000000	3.67E-14	400.618370

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-67.670997	-47.890511	-4.42E-15	.000000	.000000	.000000
0.25000	-67.670997	-47.476714	-4.37E-15	.000000	-9.34E-15	-101.475495
0.50000	-67.670997	-47.062916	-4.31E-15	.000000	-1.86E-14	-202.070389
0.75000	-67.670997	-46.698927	-4.31E-15	.000000	-2.77E-14	-301.784680
1.00000	-67.670997	-47.112724	-4.36E-15	.000000	-3.67E-14	-400.618370

ELEM 227 ========== LENGTH = 4.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	67.670997	99.765277	9.84E-15	.000000	3.96E-14	400.616666
0.25000	67.670997	99.959722	9.87E-15	.000000	2.97E-14	300.754166
0.50000	67.670997	100.154166	9.89E-15	.000000	1.98E-14	200.697222
0.75000	67.670997	100.348611	9.91E-15	.000000	9.93E-15	100.445833
1.00000	67.670997	100.543055	9.94E-15	.000000	1.92E-29	2.39E-15

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-67.670997	-99.765277	-9.84E-15	.000000	-3.96E-14	-400.616666
0.25000	-67.670997	-99.959722	-9.87E-15	.000000	-2.97E-14	-300.754166
0.50000	-67.670997	-100.154166	-9.89E-15	.000000	-1.98E-14	-200.697222
0.75000	-67.670997	-100.348611	-9.91E-15	.000000	-9.93E-15	-100.445833
1.00000	-67.670997	-100.543055	-9.94E-15	.000000	-1.92E-29	-2.39E-15

ELEM 228 ========== LENGTH = 36.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	0.009062	55.666677	5.05E-15	.000000	.000000	.000000
0.25000	0.009062	53.916677	4.83E-15	.000000	4.45E-14	493.125090
0.50000	0.009062	52.166676	4.62E-15	.000000	8.70E-14	970.500178
0.75000	0.009062	50.416676	4.41E-15	.000000	1.28E-13	1432.125
1.00000	0.009062	48.666679	4.48E-15	.000000	1.66E-13	1878.000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-0.009062	-55.666677	-5.05E-15	.000000	.000000	.000000
0.25000	-0.009062	-53.916677	-4.83E-15	.000000	-4.45E-14	-493.125090
0.50000	-0.009062	-52.166676	-4.62E-15	.000000	-8.70E-14	-970.500178
0.75000	-0.009062	-50.416676	-4.41E-15	.000000	-1.28E-13	-1432.125
1.00000	-0.009062	-48.666679	-4.48E-15	.000000	-1.66E-13	-1878.000

ELEM 229 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	0.009062	13.333388	1.28E-15	.000000	1.67E-13	1877.999
0.25000	0.009062	14.500055	1.28E-15	.000000	1.60E-13	1794.499
0.50000	0.009062	15.666722	1.42E-15	.000000	1.52E-13	1703.999
0.75000	0.009062	16.833388	1.56E-15	.000000	1.43E-13	1606.499

```
1.00000    0.009062   18.000055    1.70E-15     .000000    1.33E-13    1501.999

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -0.009062  -13.333388   -1.28E-15     .000000   -1.67E-13   -1877.999
0.25000   -0.009062  -14.500055   -1.28E-15     .000000   -1.60E-13   -1794.499
0.50000   -0.009062  -15.666722   -1.42E-15     .000000   -1.52E-13   -1703.999
0.75000   -0.009062  -16.833388   -1.56E-15     .000000   -1.43E-13   -1606.499
1.00000   -0.009062  -18.000055   -1.70E-15     .000000   -1.33E-13   -1501.999

ELEM     230 ================== LENGTH =   12.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    0.009062  124.000055    1.12E-14     .000000    1.36E-13    1502.001
0.25000    0.009062  124.583388    1.12E-14     .000000    1.02E-13    1129.125
0.50000    0.009062  125.166722    1.13E-14     .000000    6.83E-14  754.500331
0.75000    0.009062  125.750055    1.14E-14     .000000    3.43E-14  378.125166
1.00000    0.009062  126.333389    1.15E-14     .000000    1.82E-28    2.36E-12

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -0.009062 -124.000055   -1.12E-14     .000000   -1.36E-13   -1502.001
0.25000   -0.009062 -124.583388   -1.12E-14     .000000   -1.02E-13   -1129.125
0.50000   -0.009062 -125.166722   -1.13E-14     .000000   -6.83E-14 -754.500331
0.75000   -0.009062 -125.750055   -1.14E-14     .000000   -3.43E-14 -378.125166
1.00000   -0.009062 -126.333389   -1.15E-14     .000000   -1.82E-28   -2.36E-12

ELEM     231 ================== LENGTH =   15.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  940.029046  244.875044    2.21E-14     .000000     .000000     .000000
0.25000  940.029046  244.145877    2.20E-14     .000000    8.26E-14  916.914226
0.50000  940.029046  243.416710    2.19E-14     .000000    1.65E-13    1831.094
0.75000  940.029046  242.687543    2.18E-14     .000000    2.47E-13    2742.540
1.00000  940.029046  241.958377    2.17E-14     .000000    3.28E-13    3651.251

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -940.029046 -244.875044   -2.21E-14     .000000     .000000     .000000
0.25000 -940.029046 -244.145877   -2.20E-14     .000000   -8.26E-14 -916.914226
0.50000 -940.029046 -243.416710   -2.19E-14     .000000   -1.65E-13   -1831.094
0.75000 -940.029046 -242.687543   -2.18E-14     .000000   -2.47E-13   -2742.540
1.00000 -940.029046 -241.958377   -2.17E-14     .000000   -3.28E-13   -3651.251

ELEM     232 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  940.029046  106.958377    9.75E-15     .000000    3.23E-13    3651.243
0.25000  940.029046  105.791710    9.61E-15     .000000    3.81E-13    4289.493
0.50000  940.029046  104.625043    9.47E-15     .000000    4.38E-13    4920.742
0.75000  940.029046  103.458376    9.32E-15     .000000    4.94E-13    5544.993
1.00000  940.029046  103.458374    9.43E-15     .000000    5.50E-13    6162.243

COMBDEADLOAD ------------------ MIN
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	-940.029046	-106.958377	-9.75E-15	.000000	-3.23E-13	-3651.243
0.25000	-940.029046	-105.791710	-9.61E-15	.000000	-3.81E-13	-4289.493
0.50000	-940.029046	-104.625043	-9.47E-15	.000000	-4.38E-13	-4920.742
0.75000	-940.029046	-103.458376	-9.32E-15	.000000	-4.94E-13	-5544.993
1.00000	-940.029046	-103.458374	-9.43E-15	.000000	-5.50E-13	-6162.243

ELEM 233 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	940.029046	128.708410	1.16E-14	.000000	5.50E-13	6162.243
0.25000	940.029046	129.875077	1.17E-14	.000000	4.80E-13	5386.493
0.50000	940.029046	131.041743	1.19E-14	.000000	4.10E-13	4603.743
0.75000	940.029046	132.208410	1.20E-14	.000000	3.38E-13	3813.993
1.00000	940.029046	133.375077	1.21E-14	.000000	2.66E-13	3017.243

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-940.029046	-128.708410	-1.16E-14	.000000	-5.50E-13	-6162.243
0.25000	-940.029046	-129.875077	-1.17E-14	.000000	-4.80E-13	-5386.493
0.50000	-940.029046	-131.041743	-1.19E-14	.000000	-4.10E-13	-4603.743
0.75000	-940.029046	-132.208410	-1.20E-14	.000000	-3.38E-13	-3813.993
1.00000	-940.029046	-133.375077	-1.21E-14	.000000	-2.66E-13	-3017.243

ELEM 234 ========== LENGTH = 9.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	940.029046	334.375077	3.06E-14	.000000	2.76E-13	3017.251
0.25000	940.029046	334.812577	3.06E-14	.000000	2.07E-13	2264.415
0.50000	940.029046	335.250077	3.07E-14	.000000	1.38E-13	1510.594
0.75000	940.029046	335.687577	3.07E-14	.000000	6.92E-14	755.789236
1.00000	940.029046	336.125077	3.08E-14	.000000	3.77E-28	7.76E-12

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-940.029046	-334.375077	-3.06E-14	.000000	-2.76E-13	-3017.251
0.25000	-940.029046	-334.812577	-3.06E-14	.000000	-2.07E-13	-2264.415
0.50000	-940.029046	-335.250077	-3.07E-14	.000000	-1.38E-13	-1510.594
0.75000	-940.029046	-335.687577	-3.07E-14	.000000	-6.92E-14	-755.789236
1.00000	-940.029046	-336.125077	-3.08E-14	.000000	-3.77E-28	-7.76E-12

ELEM 235 ========== LENGTH = 15.487600

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	120.070780	328.792310	2.96E-14	.000000	.000000	.000000
0.25000	120.070780	328.039441	2.95E-14	.000000	1.14E-13	1271.593
0.50000	120.070780	327.286571	2.94E-14	.000000	2.28E-13	2540.272
0.75000	120.070780	326.533702	2.93E-14	.000000	3.42E-13	3806.035
1.00000	120.070780	325.780832	2.92E-14	.000000	4.55E-13	5068.884

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-120.070780	-328.792310	-2.96E-14	.000000	.000000	.000000

0.25000	-120.070780	-328.039441	-2.95E-14	.000000	-1.14E-13	-1271.593
0.50000	-120.070780	-327.286571	-2.94E-14	.000000	-2.28E-13	-2540.272
0.75000	-120.070780	-326.533702	-2.93E-14	.000000	-3.42E-13	-3806.035
1.00000	-120.070780	-325.780832	-2.92E-14	.000000	-4.55E-13	-5068.884

ELEM 236 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	120.070780	74.780832	6.84E-15	.000000	4.49E-13	5068.875
0.25000	120.070780	73.614165	6.70E-15	.000000	4.90E-13	5514.059
0.50000	120.070780	72.447499	6.55E-15	.000000	5.30E-13	5952.244
0.75000	120.070780	71.280832	6.41E-15	.000000	5.69E-13	6383.429
1.00000	120.070780	71.470452	6.54E-15	.000000	6.07E-13	6807.614

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-120.070780	-74.780832	-6.84E-15	.000000	-4.49E-13	-5068.875
0.25000	-120.070780	-73.614165	-6.70E-15	.000000	-4.90E-13	-5514.059
0.50000	-120.070780	-72.447499	-6.55E-15	.000000	-5.30E-13	-5952.244
0.75000	-120.070780	-71.280832	-6.41E-15	.000000	-5.69E-13	-6383.429
1.00000	-120.070780	-71.470452	-6.54E-15	.000000	-6.07E-13	-6807.614

ELEM 237 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	120.070780	148.885966	1.34E-14	.000000	6.08E-13	6807.614
0.25000	120.070780	150.052633	1.35E-14	.000000	5.27E-13	5910.798
0.50000	120.070780	151.219299	1.37E-14	.000000	4.46E-13	5006.983
0.75000	120.070780	152.385966	1.38E-14	.000000	3.63E-13	4096.168
1.00000	120.070780	153.552633	1.40E-14	.000000	2.80E-13	3178.353

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-120.070780	-148.885966	-1.34E-14	.000000	-6.08E-13	-6807.614
0.25000	-120.070780	-150.052633	-1.35E-14	.000000	-5.27E-13	-5910.798
0.50000	-120.070780	-151.219299	-1.37E-14	.000000	-4.46E-13	-5006.983
0.75000	-120.070780	-152.385966	-1.38E-14	.000000	-3.63E-13	-4096.168
1.00000	-120.070780	-153.552633	-1.40E-14	.000000	-2.80E-13	-3178.353

ELEM 238 ========== LENGTH = 8.512400

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	120.070780	372.552633	3.42E-14	.000000	2.92E-13	3178.362
0.25000	120.070780	372.966430	3.42E-14	.000000	2.19E-13	2385.092
0.50000	120.070780	373.380227	3.43E-14	.000000	1.46E-13	1590.942
0.75000	120.070780	373.794025	3.43E-14	.000000	7.31E-14	795.911365
1.00000	120.070780	374.207822	3.44E-14	.000000	1.38E-27	6.33E-12

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-120.070780	-372.552633	-3.42E-14	.000000	-2.92E-13	-3178.362
0.25000	-120.070780	-372.966430	-3.42E-14	.000000	-2.19E-13	-2385.092
0.50000	-120.070780	-373.380227	-3.43E-14	.000000	-1.46E-13	-1590.942
0.75000	-120.070780	-373.794025	-3.43E-14	.000000	-7.31E-14	-795.911365

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1.00000 -120.070780 -374.207822   -3.44E-14     .000000   -1.38E-27   -6.33E-12

ELEM     239 ================== LENGTH =   14.462800

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  154.602852  361.094045    3.25E-14     .000000     .000000     .000000
0.25000  154.602852  360.390992    3.25E-14     .000000    1.17E-13    1304.337
0.50000  154.602852  359.687939    3.24E-14     .000000    2.35E-13    2606.131
0.75000  154.602852  358.984886    3.23E-14     .000000    3.52E-13    3905.384
1.00000  154.602852  358.281834    3.22E-14     .000000    4.68E-13    5202.095

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -154.602852 -361.094045   -3.25E-14     .000000     .000000     .000000
0.25000 -154.602852 -360.390992   -3.25E-14     .000000   -1.17E-13   -1304.337
0.50000 -154.602852 -359.687939   -3.24E-14     .000000   -2.35E-13   -2606.131
0.75000 -154.602852 -358.984886   -3.23E-14     .000000   -3.52E-13   -3905.384
1.00000 -154.602852 -358.281834   -3.22E-14     .000000   -4.68E-13   -5202.095

ELEM     240 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  154.602852  101.281834    9.23E-15     .000000    4.61E-13    5202.085
0.25000  154.602852  100.115167    9.09E-15     .000000    5.16E-13    5806.275
0.50000  154.602852   98.948500    8.95E-15     .000000    5.70E-13    6403.466
0.75000  154.602852   97.781833    8.81E-15     .000000    6.23E-13    6993.657
1.00000  154.602852   97.572920    8.90E-15     .000000    6.76E-13    7576.848

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -154.602852 -101.281834   -9.23E-15     .000000   -4.61E-13   -5202.085
0.25000 -154.602852 -100.115167   -9.09E-15     .000000   -5.16E-13   -5806.275
0.50000 -154.602852  -98.948500   -8.95E-15     .000000   -5.70E-13   -6403.466
0.75000 -154.602852  -97.781833   -8.81E-15     .000000   -6.23E-13   -6993.657
1.00000 -154.602852  -97.572920   -8.90E-15     .000000   -6.76E-13   -7576.848

ELEM     241 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  154.602852  160.384971    1.45E-14     .000000    6.77E-13    7576.848
0.25000  154.602852  161.551638    1.46E-14     .000000    5.90E-13    6611.038
0.50000  154.602852  162.718305    1.47E-14     .000000    5.02E-13    5638.229
0.75000  154.602852  163.884972    1.49E-14     .000000    4.13E-13    4658.420
1.00000  154.602852  165.051638    1.50E-14     .000000    3.23E-13    3671.611

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -154.602852 -160.384971   -1.45E-14     .000000   -6.77E-13   -7576.848
0.25000 -154.602852 -161.551638   -1.46E-14     .000000   -5.90E-13   -6611.038
0.50000 -154.602852 -162.718305   -1.47E-14     .000000   -5.02E-13   -5638.229
0.75000 -154.602852 -163.884972   -1.49E-14     .000000   -4.13E-13   -4658.420
1.00000 -154.602852 -165.051638   -1.50E-14     .000000   -3.23E-13   -3671.611

ELEM     242 ================== LENGTH =    9.537200
```

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	154.602852	384.051638	3.50E-14	.000000	3.35E-13	3671.620
0.25000	154.602852	384.515252	3.51E-14	.000000	2.52E-13	2755.373
0.50000	154.602852	384.978866	3.51E-14	.000000	1.68E-13	1838.021
0.75000	154.602852	385.442480	3.52E-14	.000000	8.40E-14	919.563203
1.00000	154.602852	385.906094	3.52E-14	.000000	1.35E-27	6.88E-12

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-154.602852	-384.051638	-3.50E-14	.000000	-3.35E-13	-3671.620
0.25000	-154.602852	-384.515252	-3.51E-14	.000000	-2.52E-13	-2755.373
0.50000	-154.602852	-384.978866	-3.51E-14	.000000	-1.68E-13	-1838.021
0.75000	-154.602852	-385.442480	-3.52E-14	.000000	-8.40E-14	-919.563203
1.00000	-154.602852	-385.906094	-3.52E-14	.000000	-1.35E-27	-6.88E-12

ELEM 243 ========== LENGTH = 6.461000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	768.049358	248.195392	1.20E-14	.000000	.000000	.000000
0.25000	768.049358	247.701843	1.20E-14	.000000	1.94E-14	400.499004
0.50000	768.049358	247.208294	1.19E-14	.000000	3.87E-14	800.200804
0.75000	768.049358	246.714746	1.19E-14	.000000	5.79E-14	1199.105
1.00000	768.049358	246.221197	1.18E-14	.000000	7.70E-14	1597.213

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-768.049358	-248.195392	-1.20E-14	.000000	.000000	.000000
0.25000	-768.049358	-247.701843	-1.20E-14	.000000	-1.94E-14	-400.499004
0.50000	-768.049358	-247.208294	-1.19E-14	.000000	-3.87E-14	-800.200804
0.75000	-768.049358	-246.714746	-1.19E-14	.000000	-5.79E-14	-1199.105
1.00000	-768.049358	-246.221197	-1.18E-14	.000000	-7.70E-14	-1597.213

ELEM 244 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	768.049358	99.221197	4.26E-15	.000000	5.18E-14	1597.212
0.25000	768.049358	97.387864	4.04E-15	.000000	7.67E-14	2187.038
0.50000	768.049358	95.554530	3.82E-15	.000000	1.00E-13	2765.864
0.75000	768.049358	93.721197	3.61E-15	.000000	1.23E-13	3333.691
1.00000	768.049358	91.887863	3.84E-15	.000000	1.43E-13	3890.518

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-768.049358	-99.221197	-4.26E-15	.000000	-5.18E-14	-1597.212
0.25000	-768.049358	-97.387864	-4.04E-15	.000000	-7.67E-14	-2187.038
0.50000	-768.049358	-95.554530	-3.82E-15	.000000	-1.00E-13	-2765.864
0.75000	-768.049358	-93.721197	-3.61E-15	.000000	-1.23E-13	-3333.691
1.00000	-768.049358	-91.887863	-3.84E-15	.000000	-1.43E-13	-3890.518

ELEM 245 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	768.049358	37.497236	1.80E-15	.000000	1.41E-13	3890.518
0.25000	768.049358	35.945620	1.57E-15	.000000	1.34E-13	3680.344
0.50000	768.049358	37.778954	1.51E-15	.000000	1.25E-13	3459.171
0.75000	768.049358	39.612287	1.73E-15	.000000	1.16E-13	3226.997
1.00000	768.049358	41.445621	1.95E-15	.000000	1.04E-13	2983.824

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-768.049358	-37.497236	-1.80E-15	.000000	-1.41E-13	-3890.518
0.25000	-768.049358	-35.945620	-1.57E-15	.000000	-1.34E-13	-3680.344
0.50000	-768.049358	-37.778954	-1.51E-15	.000000	-1.25E-13	-3459.171
0.75000	-768.049358	-39.612287	-1.73E-15	.000000	-1.16E-13	-3226.997
1.00000	-768.049358	-41.445621	-1.95E-15	.000000	-1.04E-13	-2983.824

ELEM 246 ========== LENGTH = 17.539000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	768.049358	167.445621	6.20E-15	.000000	1.12E-13	2983.826
0.25000	768.049358	168.785406	6.23E-15	.000000	8.52E-14	2246.681
0.50000	768.049358	170.125191	6.40E-15	.000000	5.75E-14	1503.662
0.75000	768.049358	171.464975	6.56E-15	.000000	2.91E-14	754.768361
1.00000	768.049358	172.804760	6.72E-15	.000000	7.85E-28	1.50E-11

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-768.049358	-167.445621	-6.20E-15	.000000	-1.12E-13	-2983.826
0.25000	-768.049358	-168.785406	-6.23E-15	.000000	-8.52E-14	-2246.681
0.50000	-768.049358	-170.125191	-6.40E-15	.000000	-5.75E-14	-1503.662
0.75000	-768.049358	-171.464975	-6.56E-15	.000000	-2.91E-14	-754.768361
1.00000	-768.049358	-172.804760	-6.72E-15	.000000	-7.85E-28	-1.50E-11

ELEM 247 ========== LENGTH = 12.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	4.279880	142.666688	1.29E-14	.000000	.000000	.000000
0.25000	4.279880	142.083355	1.29E-14	.000000	3.87E-14	427.125064
0.50000	4.279880	141.500021	1.28E-14	.000000	7.72E-14	852.500127
0.75000	4.279880	140.916688	1.27E-14	.000000	1.15E-13	1276.125
1.00000	4.279880	140.333354	1.27E-14	.000000	1.54E-13	1698.000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-4.279880	-142.666688	-1.29E-14	.000000	.000000	.000000
0.25000	-4.279880	-142.083355	-1.29E-14	.000000	-3.87E-14	-427.125064
0.50000	-4.279880	-141.500021	-1.28E-14	.000000	-7.72E-14	-852.500127
0.75000	-4.279880	-140.916688	-1.27E-14	.000000	-1.15E-13	-1276.125
1.00000	-4.279880	-140.333354	-1.27E-14	.000000	-1.54E-13	-1698.000

ELEM 248 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	4.279880	48.333354	4.44E-15	.000000	1.50E-13	1697.997
0.25000	4.279880	47.166688	4.30E-15	.000000	1.76E-13	1984.497

0.50000	4.279880	46.000021	4.16E-15	.000000	2.02E-13	2263.996
0.75000	4.279880	44.833354	4.02E-15	.000000	2.26E-13	2536.497
1.00000	4.279880	43.666688	4.02E-15	.000000	2.50E-13	2801.997

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-4.279880	-48.333354	-4.44E-15	.000000	-1.50E-13	-1697.997
0.25000	-4.279880	-47.166688	-4.30E-15	.000000	-1.76E-13	-1984.497
0.50000	-4.279880	-46.000021	-4.16E-15	.000000	-2.02E-13	-2263.996
0.75000	-4.279880	-44.833354	-4.02E-15	.000000	-2.26E-13	-2536.497
1.00000	-4.279880	-43.666688	-4.02E-15	.000000	-2.50E-13	-2801.997

ELEM 249 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	4.279880	48.333372	4.44E-15	.000000	2.50E-13	2801.997
0.25000	4.279880	49.500039	4.44E-15	.000000	2.24E-13	2508.497
0.50000	4.279880	50.666706	4.58E-15	.000000	1.97E-13	2207.996
0.75000	4.279880	51.833372	4.73E-15	.000000	1.69E-13	1900.497
1.00000	4.279880	53.000039	4.87E-15	.000000	1.40E-13	1585.997

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-4.279880	-48.333372	-4.44E-15	.000000	-2.50E-13	-2801.997
0.25000	-4.279880	-49.500039	-4.44E-15	.000000	-2.24E-13	-2508.497
0.50000	-4.279880	-50.666706	-4.58E-15	.000000	-1.97E-13	-2207.996
0.75000	-4.279880	-51.833372	-4.73E-15	.000000	-1.69E-13	-1900.497
1.00000	-4.279880	-53.000039	-4.87E-15	.000000	-1.40E-13	-1585.997

ELEM 250 ========== LENGTH = 12.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	4.279880	131.000039	1.18E-14	.000000	1.43E-13	1586.000
0.25000	4.279880	131.583373	1.19E-14	.000000	1.08E-13	1192.125
0.50000	4.279880	132.166706	1.19E-14	.000000	7.21E-14	796.500236
0.75000	4.279880	132.750039	1.20E-14	.000000	3.62E-14	399.125118
1.00000	4.279880	133.333373	1.21E-14	.000000	2.87E-28	1.62E-12

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-4.279880	-131.000039	-1.18E-14	.000000	-1.43E-13	-1586.000
0.25000	-4.279880	-131.583373	-1.19E-14	.000000	-1.08E-13	-1192.125
0.50000	-4.279880	-132.166706	-1.19E-14	.000000	-7.21E-14	-796.500236
0.75000	-4.279880	-132.750039	-1.20E-14	.000000	-3.62E-14	-399.125118
1.00000	-4.279880	-133.333373	-1.21E-14	.000000	-2.87E-28	-1.62E-12

ELEM 251 ========== LENGTH = 15.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	940.029046	266.458334	2.40E-14	.000000	.000000	.000000
0.25000	940.029046	265.729168	2.39E-14	.000000	8.98E-14	997.851567
0.50000	940.029046	265.000001	2.38E-14	.000000	1.79E-13	1992.969
0.75000	940.029046	264.270834	2.37E-14	.000000	2.69E-13	2985.352
1.00000	940.029046	263.541668	2.36E-14	.000000	3.57E-13	3975.000

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-940.029046	-266.458334	-2.40E-14	.000000	.000000	.000000
0.25000	-940.029046	-265.729168	-2.39E-14	.000000	-8.98E-14	-997.851567
0.50000	-940.029046	-265.000001	-2.38E-14	.000000	-1.79E-13	-1992.969
0.75000	-940.029046	-264.270834	-2.37E-14	.000000	-2.69E-13	-2985.352
1.00000	-940.029046	-263.541668	-2.36E-14	.000000	-3.57E-13	-3975.000

ELEM 252 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	940.029046	62.541668	5.73E-15	.000000	3.52E-13	3974.994
0.25000	940.029046	61.375001	5.59E-15	.000000	3.86E-13	4346.743
0.50000	940.029046	60.208334	5.45E-15	.000000	4.19E-13	4711.493
0.75000	940.029046	59.041667	5.31E-15	.000000	4.52E-13	5069.243
1.00000	940.029046	59.041670	5.41E-15	.000000	4.83E-13	5419.993

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-940.029046	-62.541668	-5.73E-15	.000000	-3.52E-13	-3974.994
0.25000	-940.029046	-61.375001	-5.59E-15	.000000	-3.86E-13	-4346.743
0.50000	-940.029046	-60.208334	-5.45E-15	.000000	-4.19E-13	-4711.493
0.75000	-940.029046	-59.041667	-5.31E-15	.000000	-4.52E-13	-5069.243
1.00000	-940.029046	-59.041670	-5.41E-15	.000000	-4.83E-13	-5419.993

ELEM 253 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	940.029046	114.125088	1.03E-14	.000000	4.84E-13	5419.994
0.25000	940.029046	115.291755	1.04E-14	.000000	4.22E-13	4731.743
0.50000	940.029046	116.458422	1.05E-14	.000000	3.59E-13	4036.493
0.75000	940.029046	117.625089	1.07E-14	.000000	2.96E-13	3334.243
1.00000	940.029046	118.791755	1.08E-14	.000000	2.31E-13	2624.993

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-940.029046	-114.125088	-1.03E-14	.000000	-4.84E-13	-5419.994
0.25000	-940.029046	-115.291755	-1.04E-14	.000000	-4.22E-13	-4731.743
0.50000	-940.029046	-116.458422	-1.05E-14	.000000	-3.59E-13	-4036.493
0.75000	-940.029046	-117.625089	-1.07E-14	.000000	-2.96E-13	-3334.243
1.00000	-940.029046	-118.791755	-1.08E-14	.000000	-2.31E-13	-2624.993

ELEM 254 ========== LENGTH = 9.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	940.029046	290.791755	2.66E-14	.000000	2.40E-13	2625.001
0.25000	940.029046	291.229255	2.66E-14	.000000	1.80E-13	1970.227
0.50000	940.029046	291.666756	2.67E-14	.000000	1.20E-13	1314.469
0.75000	940.029046	292.104256	2.67E-14	.000000	6.02E-14	657.726763
1.00000	940.029046	292.541756	2.68E-14	.000000	3.50E-28	6.71E-12

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-940.029046	-290.791755	-2.66E-14	.000000	-2.40E-13	-2625.001
0.25000	-940.029046	-291.229255	-2.66E-14	.000000	-1.80E-13	-1970.227
0.50000	-940.029046	-291.666756	-2.67E-14	.000000	-1.20E-13	-1314.469
0.75000	-940.029046	-292.104256	-2.67E-14	.000000	-6.02E-14	-657.726763
1.00000	-940.029046	-292.541756	-2.68E-14	.000000	-3.50E-28	-6.71E-12

ELEM 255 ========== LENGTH = 15.487600

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	120.070780	245.547324	2.21E-14	.000000	.000000	.000000
0.25000	120.070780	244.794454	2.20E-14	.000000	8.54E-14	949.277165
0.50000	120.070780	244.041585	2.19E-14	.000000	1.70E-13	1895.639
0.75000	120.070780	243.288715	2.18E-14	.000000	2.55E-13	2839.086
1.00000	120.070780	242.535846	2.17E-14	.000000	3.40E-13	3779.618

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-120.070780	-245.547324	-2.21E-14	.000000	.000000	.000000
0.25000	-120.070780	-244.794454	-2.20E-14	.000000	-8.54E-14	-949.277165
0.50000	-120.070780	-244.041585	-2.19E-14	.000000	-1.70E-13	-1895.639
0.75000	-120.070780	-243.288715	-2.18E-14	.000000	-2.55E-13	-2839.086
1.00000	-120.070780	-242.535846	-2.17E-14	.000000	-3.40E-13	-3779.618

ELEM 256 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	120.070780	55.535846	5.10E-15	.000000	3.35E-13	3779.613
0.25000	120.070780	54.369179	4.95E-15	.000000	3.65E-13	4109.327
0.50000	120.070780	53.202512	4.81E-15	.000000	3.94E-13	4432.042
0.75000	120.070780	52.035846	4.67E-15	.000000	4.23E-13	4747.757
1.00000	120.070780	52.225471	4.80E-15	.000000	4.51E-13	5056.472

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-120.070780	-55.535846	-5.10E-15	.000000	-3.35E-13	-3779.613
0.25000	-120.070780	-54.369179	-4.95E-15	.000000	-3.65E-13	-4109.327
0.50000	-120.070780	-53.202512	-4.81E-15	.000000	-3.94E-13	-4432.042
0.75000	-120.070780	-52.035846	-4.67E-15	.000000	-4.23E-13	-4747.757
1.00000	-120.070780	-52.225471	-4.80E-15	.000000	-4.51E-13	-5056.472

ELEM 257 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	120.070780	150.791183	1.36E-14	.000000	4.52E-13	5056.473
0.25000	120.070780	151.957850	1.37E-14	.000000	3.78E-13	4236.188
0.50000	120.070780	153.124516	1.39E-14	.000000	3.03E-13	3408.902
0.75000	120.070780	154.291183	1.40E-14	.000000	2.28E-13	2574.617
1.00000	120.070780	155.457850	1.41E-14	.000000	1.51E-13	1733.332

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-120.070780	-150.791183	-1.36E-14	.000000	-4.52E-13	-5056.473
0.25000	-120.070780	-151.957850	-1.37E-14	.000000	-3.78E-13	-4236.188

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0.50000 -120.070780 -153.124516   -1.39E-14     .000000   -3.03E-13   -3408.902
0.75000 -120.070780 -154.291183   -1.40E-14     .000000   -2.28E-13   -2574.617
1.00000 -120.070780 -155.457850   -1.41E-14     .000000   -1.51E-13   -1733.332

ELEM     258 ================== LENGTH =    8.512400

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  120.070780  202.797606    1.86E-14     .000000    1.59E-13    1733.339
0.25000  120.070780  203.211403    1.86E-14     .000000    1.19E-13    1301.325
0.50000  120.070780  203.625201    1.87E-14     .000000    7.98E-14  868.430783
0.75000  120.070780  204.038998    1.87E-14     .000000    3.99E-14  434.655693
1.00000  120.070780  204.452795    1.88E-14     .000000    5.41E-28    6.24E-12

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -120.070780 -202.797606   -1.86E-14     .000000   -1.59E-13   -1733.339
0.25000 -120.070780 -203.211403   -1.86E-14     .000000   -1.19E-13   -1301.325
0.50000 -120.070780 -203.625201   -1.87E-14     .000000   -7.98E-14 -868.430783
0.75000 -120.070780 -204.038998   -1.87E-14     .000000   -3.99E-14 -434.655693
1.00000 -120.070780 -204.452795   -1.88E-14     .000000   -5.41E-28   -6.24E-12

ELEM     259 ================== LENGTH =   14.462800

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  154.602852  235.820599    2.13E-14     .000000     .000000     .000000
0.25000  154.602852  235.117547    2.12E-14     .000000    7.67E-14  851.385527
0.50000  154.602852  234.414494    2.11E-14     .000000    1.53E-13    1700.229
0.75000  154.602852  233.711441    2.10E-14     .000000    2.29E-13    2546.530
1.00000  154.602852  233.008388    2.09E-14     .000000    3.05E-13    3390.290

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -154.602852 -235.820599   -2.13E-14     .000000     .000000     .000000
0.25000 -154.602852 -235.117547   -2.12E-14     .000000   -7.67E-14 -851.385527
0.50000 -154.602852 -234.414494   -2.11E-14     .000000   -1.53E-13   -1700.229
0.75000 -154.602852 -233.711441   -2.10E-14     .000000   -2.29E-13   -2546.530
1.00000 -154.602852 -233.008388   -2.09E-14     .000000   -3.05E-13   -3390.290

ELEM     261 ================== LENGTH =   12.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    4.279880  104.500020    9.48E-15     .000000     .000000     .000000
0.25000    4.279880  103.916687    9.41E-15     .000000    2.83E-14  312.625060
0.50000    4.279880  103.333353    9.34E-15     .000000    5.65E-14  623.500120
0.75000    4.279880  102.750020    9.27E-15     .000000    8.44E-14  932.625180
1.00000    4.279880  102.166687    9.20E-15     .000000    1.12E-13    1240.000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -4.279880 -104.500020   -9.48E-15     .000000     .000000     .000000
0.25000   -4.279880 -103.916687   -9.41E-15     .000000   -2.83E-14 -312.625060
0.50000   -4.279880 -103.333353   -9.34E-15     .000000   -5.65E-14 -623.500120
0.75000   -4.279880 -102.750020   -9.27E-15     .000000   -8.44E-14 -932.625180
1.00000   -4.279880 -102.166687   -9.20E-15     .000000   -1.12E-13   -1240.000
```

ELEM 262 ========== LENGTH = 30.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	4.279880	50.166678	4.60E-15	.000000	1.10E-13	1239.998
0.25000	4.279880	48.708344	4.43E-15	.000000	1.26E-13	1415.779
0.50000	4.279880	47.250011	4.25E-15	.000000	1.41E-13	1580.623
0.75000	4.279880	45.791677	4.11E-15	.000000	1.55E-13	1734.530
1.00000	4.279880	46.666674	4.29E-15	.000000	1.67E-13	1877.499

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-4.279880	-50.166678	-4.60E-15	.000000	-1.10E-13	-1239.998
0.25000	-4.279880	-48.708344	-4.43E-15	.000000	-1.26E-13	-1415.779
0.50000	-4.279880	-47.250011	-4.25E-15	.000000	-1.41E-13	-1580.623
0.75000	-4.279880	-45.791677	-4.11E-15	.000000	-1.55E-13	-1734.530
1.00000	-4.279880	-46.666674	-4.29E-15	.000000	-1.67E-13	-1877.499

ELEM 263 ========== LENGTH = 30.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	4.279880	59.666647	5.23E-15	.000000	1.67E-13	1877.499
0.25000	4.279880	61.124981	5.38E-15	.000000	1.27E-13	1424.531
0.50000	4.279880	62.583314	5.56E-15	.000000	8.61E-14	960.624713
0.75000	4.279880	64.041648	5.74E-15	.000000	4.37E-14	485.781107
1.00000	4.279880	65.499981	5.91E-15	.000000	3.35E-29	3.68E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-4.279880	-59.666647	-5.23E-15	.000000	-1.67E-13	-1877.499
0.25000	-4.279880	-61.124981	-5.38E-15	.000000	-1.27E-13	-1424.531
0.50000	-4.279880	-62.583314	-5.56E-15	.000000	-8.61E-14	-960.624713
0.75000	-4.279880	-64.041648	-5.74E-15	.000000	-4.37E-14	-485.781107
1.00000	-4.279880	-65.499981	-5.91E-15	.000000	-3.35E-29	-3.68E-13

ELEM 264 ========== LENGTH = 26.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	940.029046	79.833348	7.19E-15	.000000	.000000	.000000
0.25000	940.029046	78.569459	7.04E-15	.000000	4.62E-14	514.809121
0.50000	940.029046	77.305570	6.88E-15	.000000	9.15E-14	1021.403
0.75000	940.029046	76.041681	6.73E-15	.000000	1.36E-13	1519.782
1.00000	940.029046	74.777792	6.58E-15	.000000	1.79E-13	2009.945

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-940.029046	-79.833348	-7.19E-15	.000000	.000000	.000000
0.25000	-940.029046	-78.569459	-7.04E-15	.000000	-4.62E-14	-514.809121
0.50000	-940.029046	-77.305570	-6.88E-15	.000000	-9.15E-14	-1021.403
0.75000	-940.029046	-76.041681	-6.73E-15	.000000	-1.36E-13	-1519.782
1.00000	-940.029046	-74.777792	-6.58E-15	.000000	-1.79E-13	-2009.945

ELEM 265 ========== LENGTH = 46.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	940.029046	43.111103	4.02E-15	.000000	1.77E-13	2009.944
0.25000	940.029046	41.458323	3.75E-15	.000000	1.38E-13	1546.031
0.50000	940.029046	43.694434	3.86E-15	.000000	9.49E-14	1056.403
0.75000	940.029046	45.930545	4.13E-15	.000000	4.90E-14	541.058912
1.00000	940.029046	48.166657	4.40E-15	.000000	2.50E-29	2.27E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-940.029046	-43.111103	-4.02E-15	.000000	-1.77E-13	-2009.944
0.25000	-940.029046	-41.458323	-3.75E-15	.000000	-1.38E-13	-1546.031
0.50000	-940.029046	-43.694434	-3.86E-15	.000000	-9.49E-14	-1056.403
0.75000	-940.029046	-45.930545	-4.13E-15	.000000	-4.90E-14	-541.058912
1.00000	-940.029046	-48.166657	-4.40E-15	.000000	-2.50E-29	-2.27E-13

ELEM 266 ========== LENGTH = 12.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	120.070780	58.666680	5.33E-15	.000000	.000000	.000000
0.25000	120.070780	58.083346	5.26E-15	.000000	1.59E-14	175.125039
0.50000	120.070780	57.500013	5.19E-15	.000000	3.16E-14	348.500078
0.75000	120.070780	56.916680	5.12E-15	.000000	4.71E-14	520.125117
1.00000	120.070780	56.333346	5.05E-15	.000000	6.23E-14	690.000155

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-120.070780	-58.666680	-5.33E-15	.000000	.000000	.000000
0.25000	-120.070780	-58.083346	-5.26E-15	.000000	-1.59E-14	-175.125039
0.50000	-120.070780	-57.500013	-5.19E-15	.000000	-3.16E-14	-348.500078
0.75000	-120.070780	-56.916680	-5.12E-15	.000000	-4.71E-14	-520.125117
1.00000	-120.070780	-56.333346	-5.05E-15	.000000	-6.23E-14	-690.000155

ELEM 267 ========== LENGTH = 60.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	120.070780	14.999996	1.57E-15	.000000	5.86E-14	689.999474
0.25000	120.070780	12.083329	1.22E-15	.000000	5.19E-14	583.124611
0.50000	120.070780	11.499991	9.77E-16	.000000	3.99E-14	432.499744
0.75000	120.070780	14.416658	1.33E-15	.000000	2.26E-14	238.124874
1.00000	120.070780	17.333325	1.68E-15	.000000	2.43E-29	2.53E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-120.070780	-14.999996	-1.57E-15	.000000	-5.86E-14	-689.999474
0.25000	-120.070780	-12.083329	-1.22E-15	.000000	-5.19E-14	-583.124611
0.50000	-120.070780	-11.499991	-9.77E-16	.000000	-3.99E-14	-432.499744
0.75000	-120.070780	-14.416658	-1.33E-15	.000000	-2.26E-14	-238.124874
1.00000	-120.070780	-17.333325	-1.68E-15	.000000	-2.43E-29	-2.53E-13

ELEM 268 ========== LENGTH = 30.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3

0.00000	4.279880	65.499981	5.91E-15	.000000	.000000	.000000
0.25000	4.279880	64.041648	5.74E-15	.000000	4.37E-14	485.781107
0.50000	4.279880	62.583314	5.56E-15	.000000	8.61E-14	960.624713
0.75000	4.279880	61.124981	5.38E-15	.000000	1.27E-13	1424.531
1.00000	4.279880	59.666647	5.23E-15	.000000	1.67E-13	1877.499

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-4.279880	-65.499981	-5.91E-15	.000000	.000000	.000000
0.25000	-4.279880	-64.041648	-5.74E-15	.000000	-4.37E-14	-485.781107
0.50000	-4.279880	-62.583314	-5.56E-15	.000000	-8.61E-14	-960.624713
0.75000	-4.279880	-61.124981	-5.38E-15	.000000	-1.27E-13	-1424.531
1.00000	-4.279880	-59.666647	-5.23E-15	.000000	-1.67E-13	-1877.499

ELEM 269 ========== LENGTH = 30.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	4.279880	46.666674	4.29E-15	.000000	1.67E-13	1877.499
0.25000	4.279880	45.791677	4.11E-15	.000000	1.55E-13	1734.530
0.50000	4.279880	47.250011	4.25E-15	.000000	1.41E-13	1580.623
0.75000	4.279880	48.708344	4.43E-15	.000000	1.26E-13	1415.779
1.00000	4.279880	50.166678	4.60E-15	.000000	1.10E-13	1239.998

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-4.279880	-46.666674	-4.29E-15	.000000	-1.67E-13	-1877.499
0.25000	-4.279880	-45.791677	-4.11E-15	.000000	-1.55E-13	-1734.530
0.50000	-4.279880	-47.250011	-4.25E-15	.000000	-1.41E-13	-1580.623
0.75000	-4.279880	-48.708344	-4.43E-15	.000000	-1.26E-13	-1415.779
1.00000	-4.279880	-50.166678	-4.60E-15	.000000	-1.10E-13	-1239.998

ELEM 270 ========== LENGTH = 12.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	4.279880	102.166687	9.20E-15	.000000	1.12E-13	1240.000
0.25000	4.279880	102.750020	9.27E-15	.000000	8.44E-14	932.625180
0.50000	4.279880	103.333353	9.34E-15	.000000	5.65E-14	623.500120
0.75000	4.279880	103.916687	9.41E-15	.000000	2.83E-14	312.625060
1.00000	4.279880	104.500020	9.48E-15	.000000	2.54E-28	9.26E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-4.279880	-102.166687	-9.20E-15	.000000	-1.12E-13	-1240.000
0.25000	-4.279880	-102.750020	-9.27E-15	.000000	-8.44E-14	-932.625180
0.50000	-4.279880	-103.333353	-9.34E-15	.000000	-5.65E-14	-623.500120
0.75000	-4.279880	-103.916687	-9.41E-15	.000000	-2.83E-14	-312.625060
1.00000	-4.279880	-104.500020	-9.48E-15	.000000	-2.54E-28	-9.26E-13

ELEM 271 ========== LENGTH = 46.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	940.029046	48.166657	4.40E-15	.000000	.000000	.000000
0.25000	940.029046	45.930545	4.13E-15	.000000	4.90E-14	541.058912
0.50000	940.029046	43.694434	3.86E-15	.000000	9.49E-14	1056.403

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0.75000  940.029046   41.458323    3.75E-15     .000000    1.38E-13    1546.031
1.00000  940.029046   43.111103    4.02E-15     .000000    1.77E-13    2009.944

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -940.029046  -48.166657   -4.40E-15     .000000     .000000     .000000
0.25000 -940.029046  -45.930545   -4.13E-15     .000000   -4.90E-14 -541.058912
0.50000 -940.029046  -43.694434   -3.86E-15     .000000   -9.49E-14   -1056.403
0.75000 -940.029046  -41.458323   -3.75E-15     .000000   -1.38E-13   -1546.031
1.00000 -940.029046  -43.111103   -4.02E-15     .000000   -1.77E-13   -2009.944

ELEM     272 ================== LENGTH =   26.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  940.029046   74.777792    6.58E-15     .000000    1.79E-13    2009.945
0.25000  940.029046   76.041681    6.73E-15     .000000    1.36E-13    1519.782
0.50000  940.029046   77.305570    6.88E-15     .000000    9.15E-14    1021.403
0.75000  940.029046   78.569459    7.04E-15     .000000    4.62E-14  514.809121
1.00000  940.029046   79.833348    7.19E-15     .000000    1.35E-28    1.02E-12

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -940.029046  -74.777792   -6.58E-15     .000000   -1.79E-13   -2009.945
0.25000 -940.029046  -76.041681   -6.73E-15     .000000   -1.36E-13   -1519.782
0.50000 -940.029046  -77.305570   -6.88E-15     .000000   -9.15E-14   -1021.403
0.75000 -940.029046  -78.569459   -7.04E-15     .000000   -4.62E-14 -514.809121
1.00000 -940.029046  -79.833348   -7.19E-15     .000000   -1.35E-28   -1.02E-12

ELEM     273 ================== LENGTH =   12.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    4.279880  133.333373    1.21E-14     .000000     .000000     .000000
0.25000    4.279880  132.750039    1.20E-14     .000000    3.62E-14  399.125118
0.50000    4.279880  132.166706    1.19E-14     .000000    7.21E-14  796.500236
0.75000    4.279880  131.583373    1.19E-14     .000000    1.08E-13    1192.125
1.00000    4.279880  131.000039    1.18E-14     .000000    1.43E-13    1586.000

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000   -4.279880 -133.333373   -1.21E-14     .000000     .000000     .000000
0.25000   -4.279880 -132.750039   -1.20E-14     .000000   -3.62E-14 -399.125118
0.50000   -4.279880 -132.166706   -1.19E-14     .000000   -7.21E-14 -796.500236
0.75000   -4.279880 -131.583373   -1.19E-14     .000000   -1.08E-13   -1192.125
1.00000   -4.279880 -131.000039   -1.18E-14     .000000   -1.43E-13   -1586.000

ELEM     274 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000    4.279880   53.000039    4.87E-15     .000000    1.40E-13    1585.997
0.25000    4.279880   51.833372    4.73E-15     .000000    1.69E-13    1900.497
0.50000    4.279880   50.666706    4.58E-15     .000000    1.97E-13    2207.996
0.75000    4.279880   49.500039    4.44E-15     .000000    2.24E-13    2508.497
1.00000    4.279880   48.333372    4.44E-15     .000000    2.50E-13    2801.997
```

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-4.279880	-53.000039	-4.87E-15	.000000	-1.40E-13	-1585.997
0.25000	-4.279880	-51.833372	-4.73E-15	.000000	-1.69E-13	-1900.497
0.50000	-4.279880	-50.666706	-4.58E-15	.000000	-1.97E-13	-2207.996
0.75000	-4.279880	-49.500039	-4.44E-15	.000000	-2.24E-13	-2508.497
1.00000	-4.279880	-48.333372	-4.44E-15	.000000	-2.50E-13	-2801.997

ELEM 275 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	4.279880	43.666688	4.02E-15	.000000	2.50E-13	2801.997
0.25000	4.279880	44.833354	4.02E-15	.000000	2.26E-13	2536.497
0.50000	4.279880	46.000021	4.16E-15	.000000	2.02E-13	2263.996
0.75000	4.279880	47.166688	4.30E-15	.000000	1.76E-13	1984.497
1.00000	4.279880	48.333355	4.44E-15	.000000	1.50E-13	1697.997

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-4.279880	-43.666688	-4.02E-15	.000000	-2.50E-13	-2801.997
0.25000	-4.279880	-44.833354	-4.02E-15	.000000	-2.26E-13	-2536.497
0.50000	-4.279880	-46.000021	-4.16E-15	.000000	-2.02E-13	-2263.996
0.75000	-4.279880	-47.166688	-4.30E-15	.000000	-1.76E-13	-1984.497
1.00000	-4.279880	-48.333355	-4.44E-15	.000000	-1.50E-13	-1697.997

ELEM 276 ========== LENGTH = 12.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	4.279880	140.333355	1.27E-14	.000000	1.54E-13	1698.000
0.25000	4.279880	140.916688	1.27E-14	.000000	1.15E-13	1276.125
0.50000	4.279880	141.500021	1.28E-14	.000000	7.72E-14	852.500128
0.75000	4.279880	142.083355	1.29E-14	.000000	3.87E-14	427.125064
1.00000	4.279880	142.666688	1.29E-14	.000000	2.97E-28	2.50E-12

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-4.279880	-140.333355	-1.27E-14	.000000	-1.54E-13	-1698.000
0.25000	-4.279880	-140.916688	-1.27E-14	.000000	-1.15E-13	-1276.125
0.50000	-4.279880	-141.500021	-1.28E-14	.000000	-7.72E-14	-852.500128
0.75000	-4.279880	-142.083355	-1.29E-14	.000000	-3.87E-14	-427.125064
1.00000	-4.279880	-142.666688	-1.29E-14	.000000	-2.97E-28	-2.50E-12

ELEM 277 ========== LENGTH = 9.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	940.029046	292.541756	2.68E-14	.000000	.000000	.000000
0.25000	940.029046	292.104256	2.67E-14	.000000	6.02E-14	657.726763
0.50000	940.029046	291.666756	2.67E-14	.000000	1.20E-13	1314.469
0.75000	940.029046	291.229256	2.66E-14	.000000	1.80E-13	1970.227
1.00000	940.029046	290.791756	2.66E-14	.000000	2.40E-13	2625.001

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3

0.00000	-940.029046	-292.541756	-2.68E-14	.000000	.000000	.000000
0.25000	-940.029046	-292.104256	-2.67E-14	.000000	-6.02E-14	-657.726763
0.50000	-940.029046	-291.666756	-2.67E-14	.000000	-1.20E-13	-1314.469
0.75000	-940.029046	-291.229256	-2.66E-14	.000000	-1.80E-13	-1970.227
1.00000	-940.029046	-290.791756	-2.66E-14	.000000	-2.40E-13	-2625.001

ELEM 278 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	940.029046	118.791756	1.08E-14	.000000	2.31E-13	2624.993
0.25000	940.029046	117.625089	1.07E-14	.000000	2.96E-13	3334.243
0.50000	940.029046	116.458422	1.05E-14	.000000	3.59E-13	4036.493
0.75000	940.029046	115.291755	1.04E-14	.000000	4.22E-13	4731.743
1.00000	940.029046	114.125089	1.03E-14	.000000	4.84E-13	5419.994

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-940.029046	-118.791756	-1.08E-14	.000000	-2.31E-13	-2624.993
0.25000	-940.029046	-117.625089	-1.07E-14	.000000	-2.96E-13	-3334.243
0.50000	-940.029046	-116.458422	-1.05E-14	.000000	-3.59E-13	-4036.493
0.75000	-940.029046	-115.291755	-1.04E-14	.000000	-4.22E-13	-4731.743
1.00000	-940.029046	-114.125089	-1.03E-14	.000000	-4.84E-13	-5419.994

ELEM 279 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	940.029046	59.041670	5.41E-15	.000000	4.83E-13	5419.993
0.25000	940.029046	59.041667	5.31E-15	.000000	4.52E-13	5069.243
0.50000	940.029046	60.208334	5.45E-15	.000000	4.19E-13	4711.493
0.75000	940.029046	61.375001	5.59E-15	.000000	3.86E-13	4346.743
1.00000	940.029046	62.541668	5.73E-15	.000000	3.52E-13	3974.994

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-940.029046	-59.041670	-5.41E-15	.000000	-4.83E-13	-5419.993
0.25000	-940.029046	-59.041667	-5.31E-15	.000000	-4.52E-13	-5069.243
0.50000	-940.029046	-60.208334	-5.45E-15	.000000	-4.19E-13	-4711.493
0.75000	-940.029046	-61.375001	-5.59E-15	.000000	-3.86E-13	-4346.743
1.00000	-940.029046	-62.541668	-5.73E-15	.000000	-3.52E-13	-3974.994

ELEM 280 ========== LENGTH = 15.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	940.029046	263.541668	2.36E-14	.000000	3.57E-13	3975.000
0.25000	940.029046	264.270834	2.37E-14	.000000	2.69E-13	2985.352
0.50000	940.029046	265.000001	2.38E-14	.000000	1.79E-13	1992.969
0.75000	940.029046	265.729168	2.39E-14	.000000	8.98E-14	997.851567
1.00000	940.029046	266.458335	2.40E-14	.000000	3.13E-28	2.17E-12

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-940.029046	-263.541668	-2.36E-14	.000000	-3.57E-13	-3975.000
0.25000	-940.029046	-264.270834	-2.37E-14	.000000	-2.69E-13	-2985.352
0.50000	-940.029046	-265.000001	-2.38E-14	.000000	-1.79E-13	-1992.969

0.75000	-940.029046	-265.729168	-2.39E-14	.000000	-8.98E-14	-997.851567
1.00000	-940.029046	-266.458335	-2.40E-14	.000000	-3.13E-28	-2.17E-12

ELEM 281 ========== LENGTH = 8.512400

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	120.070780	204.452795	1.88E-14	.000000	.000000	.000000
0.25000	120.070780	204.038998	1.87E-14	.000000	3.99E-14	434.655693
0.50000	120.070780	203.625201	1.87E-14	.000000	7.98E-14	868.430784
0.75000	120.070780	203.211404	1.86E-14	.000000	1.19E-13	1301.325
1.00000	120.070780	202.797606	1.86E-14	.000000	1.59E-13	1733.339

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-120.070780	-204.452795	-1.88E-14	.000000	.000000	.000000
0.25000	-120.070780	-204.038998	-1.87E-14	.000000	-3.99E-14	-434.655693
0.50000	-120.070780	-203.625201	-1.87E-14	.000000	-7.98E-14	-868.430784
0.75000	-120.070780	-203.211404	-1.86E-14	.000000	-1.19E-13	-1301.325
1.00000	-120.070780	-202.797606	-1.86E-14	.000000	-1.59E-13	-1733.339

ELEM 284 ========== LENGTH = 14.462800

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	154.602852	233.008388	2.09E-14	.000000	3.05E-13	3390.290
0.25000	154.602852	233.711441	2.10E-14	.000000	2.29E-13	2546.530
0.50000	154.602852	234.414494	2.11E-14	.000000	1.53E-13	1700.229
0.75000	154.602852	235.117547	2.12E-14	.000000	7.67E-14	851.385527
1.00000	154.602852	235.820599	2.13E-14	.000000	5.61E-28	6.52E-12

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-154.602852	-233.008388	-2.09E-14	.000000	-3.05E-13	-3390.290
0.25000	-154.602852	-233.711441	-2.10E-14	.000000	-2.29E-13	-2546.530
0.50000	-154.602852	-234.414494	-2.11E-14	.000000	-1.53E-13	-1700.229
0.75000	-154.602852	-235.117547	-2.12E-14	.000000	-7.67E-14	-851.385527
1.00000	-154.602852	-235.820599	-2.13E-14	.000000	-5.61E-28	-6.52E-12

ELEM 285 ========== LENGTH = 12.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	0.009072	126.333389	1.15E-14	.000000	.000000	.000000
0.25000	0.009072	125.750055	1.14E-14	.000000	3.43E-14	378.125166
0.50000	0.009072	125.166722	1.13E-14	.000000	6.83E-14	754.500331
0.75000	0.009072	124.583388	1.12E-14	.000000	1.02E-13	1129.125
1.00000	0.009072	124.000055	1.12E-14	.000000	1.36E-13	1502.001

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-0.009072	-126.333389	-1.15E-14	.000000	.000000	.000000
0.25000	-0.009072	-125.750055	-1.14E-14	.000000	-3.43E-14	-378.125166
0.50000	-0.009072	-125.166722	-1.13E-14	.000000	-6.83E-14	-754.500331
0.75000	-0.009072	-124.583388	-1.12E-14	.000000	-1.02E-13	-1129.125
1.00000	-0.009072	-124.000055	-1.12E-14	.000000	-1.36E-13	-1502.001

ELEM 286 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	0.009072	18.000055	1.70E-15	.000000	1.33E-13	1501.999
0.25000	0.009072	16.833388	1.56E-15	.000000	1.43E-13	1606.499
0.50000	0.009072	15.666721	1.42E-15	.000000	1.52E-13	1703.999
0.75000	0.009072	14.500055	1.28E-15	.000000	1.60E-13	1794.499
1.00000	0.009072	13.333388	1.28E-15	.000000	1.67E-13	1877.999

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-0.009072	-18.000055	-1.70E-15	.000000	-1.33E-13	-1501.999
0.25000	-0.009072	-16.833388	-1.56E-15	.000000	-1.43E-13	-1606.499
0.50000	-0.009072	-15.666721	-1.42E-15	.000000	-1.52E-13	-1703.999
0.75000	-0.009072	-14.500055	-1.28E-15	.000000	-1.60E-13	-1794.499
1.00000	-0.009072	-13.333388	-1.28E-15	.000000	-1.67E-13	-1877.999

ELEM 287 ========== LENGTH = 36.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	0.009072	48.666679	4.48E-15	.000000	1.66E-13	1878.000
0.25000	0.009072	50.416676	4.41E-15	.000000	1.28E-13	1432.125
0.50000	0.009072	52.166676	4.62E-15	.000000	8.70E-14	970.500178
0.75000	0.009072	53.916677	4.83E-15	.000000	4.45E-14	493.125090
1.00000	0.009072	55.666677	5.05E-15	.000000	2.15E-29	1.57E-13

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-0.009072	-48.666679	-4.48E-15	.000000	-1.66E-13	-1878.000
0.25000	-0.009072	-50.416676	-4.41E-15	.000000	-1.28E-13	-1432.125
0.50000	-0.009072	-52.166676	-4.62E-15	.000000	-8.70E-14	-970.500178
0.75000	-0.009072	-53.916677	-4.83E-15	.000000	-4.45E-14	-493.125090
1.00000	-0.009072	-55.666677	-5.05E-15	.000000	-2.15E-29	-1.57E-13

ELEM 288 ========== LENGTH = 9.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	940.029046	336.125077	3.08E-14	.000000	.000000	.000000
0.25000	940.029046	335.687577	3.07E-14	.000000	6.92E-14	755.789236
0.50000	940.029046	335.250077	3.07E-14	.000000	1.38E-13	1510.594
0.75000	940.029046	334.812577	3.06E-14	.000000	2.07E-13	2264.415
1.00000	940.029046	334.375077	3.06E-14	.000000	2.76E-13	3017.251

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-940.029046	-336.125077	-3.08E-14	.000000	.000000	.000000
0.25000	-940.029046	-335.687577	-3.07E-14	.000000	-6.92E-14	-755.789236
0.50000	-940.029046	-335.250077	-3.07E-14	.000000	-1.38E-13	-1510.594
0.75000	-940.029046	-334.812577	-3.06E-14	.000000	-2.07E-13	-2264.415
1.00000	-940.029046	-334.375077	-3.06E-14	.000000	-2.76E-13	-3017.251

ELEM 289 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

```
REL DIST          P          V2          V3           T          M2          M3
0.00000  940.029046  133.375077    1.21E-14     .000000    2.66E-13    3017.243
0.25000  940.029046  132.208410    1.20E-14     .000000    3.38E-13    3813.993
0.50000  940.029046  131.041744    1.19E-14     .000000    4.10E-13    4603.743
0.75000  940.029046  129.875077    1.17E-14     .000000    4.80E-13    5386.493
1.00000  940.029046  128.708410    1.16E-14     .000000    5.50E-13    6162.243

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -940.029046 -133.375077   -1.21E-14     .000000   -2.66E-13   -3017.243
0.25000 -940.029046 -132.208410   -1.20E-14     .000000   -3.38E-13   -3813.993
0.50000 -940.029046 -131.041744   -1.19E-14     .000000   -4.10E-13   -4603.743
0.75000 -940.029046 -129.875077   -1.17E-14     .000000   -4.80E-13   -5386.493
1.00000 -940.029046 -128.708410   -1.16E-14     .000000   -5.50E-13   -6162.243

ELEM     290 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  940.029046  103.458374    9.43E-15     .000000    5.50E-13    6162.243
0.25000  940.029046  103.458377    9.32E-15     .000000    4.94E-13    5544.993
0.50000  940.029046  104.625043    9.47E-15     .000000    4.38E-13    4920.742
0.75000  940.029046  105.791710    9.61E-15     .000000    3.81E-13    4289.493
1.00000  940.029046  106.958377    9.75E-15     .000000    3.23E-13    3651.243

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -940.029046 -103.458374   -9.43E-15     .000000   -5.50E-13   -6162.243
0.25000 -940.029046 -103.458377   -9.32E-15     .000000   -4.94E-13   -5544.993
0.50000 -940.029046 -104.625043   -9.47E-15     .000000   -4.38E-13   -4920.742
0.75000 -940.029046 -105.791710   -9.61E-15     .000000   -3.81E-13   -4289.493
1.00000 -940.029046 -106.958377   -9.75E-15     .000000   -3.23E-13   -3651.243

ELEM     291 ================== LENGTH =   15.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  940.029046  241.958377    2.17E-14     .000000    3.28E-13    3651.251
0.25000  940.029046  242.687544    2.18E-14     .000000    2.47E-13    2742.540
0.50000  940.029046  243.416710    2.19E-14     .000000    1.65E-13    1831.094
0.75000  940.029046  244.145877    2.20E-14     .000000    8.26E-14  916.914227
1.00000  940.029046  244.875044    2.21E-14     .000000    8.18E-29    7.23E-13

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -940.029046 -241.958377   -2.17E-14     .000000   -3.28E-13   -3651.251
0.25000 -940.029046 -242.687544   -2.18E-14     .000000   -2.47E-13   -2742.540
0.50000 -940.029046 -243.416710   -2.19E-14     .000000   -1.65E-13   -1831.094
0.75000 -940.029046 -244.145877   -2.20E-14     .000000   -8.26E-14 -916.914227
1.00000 -940.029046 -244.875044   -2.21E-14     .000000   -8.18E-29   -7.23E-13

ELEM     292 ================== LENGTH =    8.512400

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  120.070780  374.207823    3.44E-14     .000000     .000000     .000000
```

0.25000	120.070780	373.794025	3.43E-14	.000000	7.31E-14	795.911367
0.50000	120.070780	373.380228	3.43E-14	.000000	1.46E-13	1590.942
0.75000	120.070780	372.966431	3.42E-14	.000000	2.19E-13	2385.092
1.00000	120.070780	372.552634	3.42E-14	.000000	2.92E-13	3178.362

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-120.070780	-374.207823	-3.44E-14	.000000	.000000	.000000
0.25000	-120.070780	-373.794025	-3.43E-14	.000000	-7.31E-14	-795.911367
0.50000	-120.070780	-373.380228	-3.43E-14	.000000	-1.46E-13	-1590.942
0.75000	-120.070780	-372.966431	-3.42E-14	.000000	-2.19E-13	-2385.092
1.00000	-120.070780	-372.552634	-3.42E-14	.000000	-2.92E-13	-3178.362

ELEM 293 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	120.070780	153.552634	1.40E-14	.000000	2.80E-13	3178.353
0.25000	120.070780	152.385967	1.38E-14	.000000	3.63E-13	4096.168
0.50000	120.070780	151.219300	1.37E-14	.000000	4.46E-13	5006.983
0.75000	120.070780	150.052633	1.35E-14	.000000	5.27E-13	5910.798
1.00000	120.070780	148.885967	1.34E-14	.000000	6.08E-13	6807.614

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-120.070780	-153.552634	-1.40E-14	.000000	-2.80E-13	-3178.353
0.25000	-120.070780	-152.385967	-1.38E-14	.000000	-3.63E-13	-4096.168
0.50000	-120.070780	-151.219300	-1.37E-14	.000000	-4.46E-13	-5006.983
0.75000	-120.070780	-150.052633	-1.35E-14	.000000	-5.27E-13	-5910.798
1.00000	-120.070780	-148.885967	-1.34E-14	.000000	-6.08E-13	-6807.614

ELEM 294 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	120.070780	71.470453	6.54E-15	.000000	6.07E-13	6807.614
0.25000	120.070780	71.280833	6.41E-15	.000000	5.69E-13	6383.429
0.50000	120.070780	72.447499	6.55E-15	.000000	5.30E-13	5952.244
0.75000	120.070780	73.614166	6.70E-15	.000000	4.90E-13	5514.059
1.00000	120.070780	74.780833	6.84E-15	.000000	4.49E-13	5068.875

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-120.070780	-71.470453	-6.54E-15	.000000	-6.07E-13	-6807.614
0.25000	-120.070780	-71.280833	-6.41E-15	.000000	-5.69E-13	-6383.429
0.50000	-120.070780	-72.447499	-6.55E-15	.000000	-5.30E-13	-5952.244
0.75000	-120.070780	-73.614166	-6.70E-15	.000000	-4.90E-13	-5514.059
1.00000	-120.070780	-74.780833	-6.84E-15	.000000	-4.49E-13	-5068.875

ELEM 295 ========== LENGTH = 15.487600

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	120.070780	325.780833	2.92E-14	.000000	4.55E-13	5068.884
0.25000	120.070780	326.533703	2.93E-14	.000000	3.42E-13	3806.035
0.50000	120.070780	327.286572	2.94E-14	.000000	2.28E-13	2540.272
0.75000	120.070780	328.039442	2.95E-14	.000000	1.14E-13	1271.593

```
1.00000  120.070780  328.792311    2.96E-14     .000000    1.72E-28    6.14E-12

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -120.070780 -325.780833   -2.92E-14     .000000   -4.55E-13   -5068.884
0.25000 -120.070780 -326.533703   -2.93E-14     .000000   -3.42E-13   -3806.035
0.50000 -120.070780 -327.286572   -2.94E-14     .000000   -2.28E-13   -2540.272
0.75000 -120.070780 -328.039442   -2.95E-14     .000000   -1.14E-13   -1271.593
1.00000 -120.070780 -328.792311   -2.96E-14     .000000   -1.72E-28   -6.14E-12

ELEM     296 ================== LENGTH =    9.537200

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  154.602852  385.906096    3.52E-14     .000000     .000000     .000000
0.25000  154.602852  385.442482    3.52E-14     .000000    8.40E-14  919.563206
0.50000  154.602852  384.978868    3.51E-14     .000000    1.68E-13    1838.021
0.75000  154.602852  384.515254    3.51E-14     .000000    2.52E-13    2755.373
1.00000  154.602852  384.051640    3.50E-14     .000000    3.35E-13    3671.620

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -154.602852 -385.906096   -3.52E-14     .000000     .000000     .000000
0.25000 -154.602852 -385.442482   -3.52E-14     .000000   -8.40E-14 -919.563206
0.50000 -154.602852 -384.978868   -3.51E-14     .000000   -1.68E-13   -1838.021
0.75000 -154.602852 -384.515254   -3.51E-14     .000000   -2.52E-13   -2755.373
1.00000 -154.602852 -384.051640   -3.50E-14     .000000   -3.35E-13   -3671.620

ELEM     297 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  154.602852  165.051640    1.50E-14     .000000    3.23E-13    3671.611
0.25000  154.602852  163.884973    1.49E-14     .000000    4.13E-13    4658.420
0.50000  154.602852  162.718306    1.47E-14     .000000    5.02E-13    5638.229
0.75000  154.602852  161.551640    1.46E-14     .000000    5.90E-13    6611.038
1.00000  154.602852  160.384973    1.45E-14     .000000    6.77E-13    7576.848

COMBDEADLOAD ------------------ MIN

REL DIST          P          V2          V3           T          M2          M3
0.00000 -154.602852 -165.051640   -1.50E-14     .000000   -3.23E-13   -3671.611
0.25000 -154.602852 -163.884973   -1.49E-14     .000000   -4.13E-13   -4658.420
0.50000 -154.602852 -162.718306   -1.47E-14     .000000   -5.02E-13   -5638.229
0.75000 -154.602852 -161.551640   -1.46E-14     .000000   -5.90E-13   -6611.038
1.00000 -154.602852 -160.384973   -1.45E-14     .000000   -6.77E-13   -7576.848

ELEM     298 ================== LENGTH =   24.000000

COMBDEADLOAD ------------------ MAX

REL DIST          P          V2          V3           T          M2          M3
0.00000  154.602852   97.572921    8.90E-15     .000000    6.76E-13    7576.848
0.25000  154.602852   97.781835    8.81E-15     .000000    6.23E-13    6993.657
0.50000  154.602852   98.948501    8.95E-15     .000000    5.70E-13    6403.466
0.75000  154.602852  100.115168    9.09E-15     .000000    5.16E-13    5806.275
1.00000  154.602852  101.281835    9.23E-15     .000000    4.61E-13    5202.085

COMBDEADLOAD ------------------ MIN
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	-154.602852	-97.572921	-8.90E-15	.000000	-6.76E-13	-7576.848
0.25000	-154.602852	-97.781835	-8.81E-15	.000000	-6.23E-13	-6993.657
0.50000	-154.602852	-98.948501	-8.95E-15	.000000	-5.70E-13	-6403.466
0.75000	-154.602852	-100.115168	-9.09E-15	.000000	-5.16E-13	-5806.275
1.00000	-154.602852	-101.281835	-9.23E-15	.000000	-4.61E-13	-5202.085

ELEM 299 ========== LENGTH = 14.462800

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	154.602852	358.281835	3.22E-14	.000000	4.68E-13	5202.095
0.25000	154.602852	358.984888	3.23E-14	.000000	3.52E-13	3905.384
0.50000	154.602852	359.687941	3.24E-14	.000000	2.35E-13	2606.131
0.75000	154.602852	360.390993	3.25E-14	.000000	1.17E-13	1304.337
1.00000	154.602852	361.094046	3.25E-14	.000000	3.81E-28	3.80E-12

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-154.602852	-358.281835	-3.22E-14	.000000	-4.68E-13	-5202.095
0.25000	-154.602852	-358.984888	-3.23E-14	.000000	-3.52E-13	-3905.384
0.50000	-154.602852	-359.687941	-3.24E-14	.000000	-2.35E-13	-2606.131
0.75000	-154.602852	-360.390993	-3.25E-14	.000000	-1.17E-13	-1304.337
1.00000	-154.602852	-361.094046	-3.25E-14	.000000	-3.81E-28	-3.80E-12

ELEM 300 ========== LENGTH = 17.539000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	776.484508	172.804762	6.72E-15	.000000	.000000	.000000
0.25000	776.484508	171.464978	6.56E-15	.000000	2.91E-14	754.768371
0.50000	776.484508	170.125193	6.40E-15	.000000	5.75E-14	1503.662
0.75000	776.484508	168.785408	6.23E-15	.000000	8.52E-14	2246.681
1.00000	776.484508	167.445623	6.20E-15	.000000	1.12E-13	2983.826

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-776.484508	-172.804762	-6.72E-15	.000000	.000000	.000000
0.25000	-776.484508	-171.464978	-6.56E-15	.000000	-2.91E-14	-754.768371
0.50000	-776.484508	-170.125193	-6.40E-15	.000000	-5.75E-14	-1503.662
0.75000	-776.484508	-168.785408	-6.23E-15	.000000	-8.52E-14	-2246.681
1.00000	-776.484508	-167.445623	-6.20E-15	.000000	-1.12E-13	-2983.826

ELEM 301 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	776.484508	41.445623	1.95E-15	.000000	1.04E-13	2983.824
0.25000	776.484508	39.612290	1.73E-15	.000000	1.16E-13	3226.997
0.50000	776.484508	37.778956	1.51E-15	.000000	1.25E-13	3459.171
0.75000	776.484508	35.945623	1.57E-15	.000000	1.34E-13	3680.344
1.00000	776.484508	37.497239	1.80E-15	.000000	1.41E-13	3890.518

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-776.484508	-41.445623	-1.95E-15	.000000	-1.04E-13	-2983.824

0.25000	-776.484508	-39.612290	-1.73E-15	.000000	-1.16E-13	-3226.997
0.50000	-776.484508	-37.778956	-1.51E-15	.000000	-1.25E-13	-3459.171
0.75000	-776.484508	-35.945623	-1.57E-15	.000000	-1.34E-13	-3680.344
1.00000	-776.484508	-37.497239	-1.80E-15	.000000	-1.41E-13	-3890.518

ELEM 302 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	776.484508	91.887865	3.84E-15	.000000	1.43E-13	3890.518
0.25000	776.484508	93.721199	3.61E-15	.000000	1.23E-13	3333.691
0.50000	776.484508	95.554532	3.82E-15	.000000	1.00E-13	2765.864
0.75000	776.484508	97.387866	4.04E-15	.000000	7.67E-14	2187.038
1.00000	776.484508	99.221199	4.26E-15	.000000	5.18E-14	1597.212

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-776.484508	-91.887865	-3.84E-15	.000000	-1.43E-13	-3890.518
0.25000	-776.484508	-93.721199	-3.61E-15	.000000	-1.23E-13	-3333.691
0.50000	-776.484508	-95.554532	-3.82E-15	.000000	-1.00E-13	-2765.864
0.75000	-776.484508	-97.387866	-4.04E-15	.000000	-7.67E-14	-2187.038
1.00000	-776.484508	-99.221199	-4.26E-15	.000000	-5.18E-14	-1597.212

ELEM 303 ========== LENGTH = 6.461000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	776.484508	246.221199	1.18E-14	.000000	7.70E-14	1597.213
0.25000	776.484508	246.714748	1.19E-14	.000000	5.79E-14	1199.105
0.50000	776.484508	247.208297	1.19E-14	.000000	3.87E-14	800.200811
0.75000	776.484508	247.701845	1.20E-14	.000000	1.94E-14	400.499008
1.00000	776.484508	248.195394	1.20E-14	.000000	2.25E-27	4.00E-11

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-776.484508	-246.221199	-1.18E-14	.000000	-7.70E-14	-1597.213
0.25000	-776.484508	-246.714748	-1.19E-14	.000000	-5.79E-14	-1199.105
0.50000	-776.484508	-247.208297	-1.19E-14	.000000	-3.87E-14	-800.200811
0.75000	-776.484508	-247.701845	-1.20E-14	.000000	-1.94E-14	-400.499008
1.00000	-776.484508	-248.195394	-1.20E-14	.000000	-2.25E-27	-4.00E-11

ELEM 304 ========== LENGTH = 8.512400

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	67.671117	47.890514	4.42E-15	.000000	.000000	.000000
0.25000	67.671117	47.476717	4.37E-15	.000000	9.34E-15	101.475501
0.50000	67.671117	47.062919	4.31E-15	.000000	1.86E-14	202.070401
0.75000	67.671117	46.698929	4.31E-15	.000000	2.77E-14	301.784699
1.00000	67.671117	47.112727	4.36E-15	.000000	3.67E-14	400.618394

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-67.671117	-47.890514	-4.42E-15	.000000	.000000	.000000
0.25000	-67.671117	-47.476717	-4.37E-15	.000000	-9.34E-15	-101.475501
0.50000	-67.671117	-47.062919	-4.31E-15	.000000	-1.86E-14	-202.070401
0.75000	-67.671117	-46.698929	-4.31E-15	.000000	-2.77E-14	-301.784699

1.00000	-67.671117	-47.112727	-4.36E-15	.000000	-3.67E-14	-400.618394

ELEM 305 ========== LENGTH = 4.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	67.671117	99.765280	9.84E-15	.000000	3.96E-14	400.616677
0.25000	67.671117	99.959725	9.87E-15	.000000	2.97E-14	300.754174
0.50000	67.671117	100.154169	9.89E-15	.000000	1.98E-14	200.697227
0.75000	67.671117	100.348614	9.91E-15	.000000	9.93E-15	100.445836
1.00000	67.671117	100.543058	9.94E-15	.000000	1.92E-29	2.39E-15

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-67.671117	-99.765280	-9.84E-15	.000000	-3.96E-14	-400.616677
0.25000	-67.671117	-99.959725	-9.87E-15	.000000	-2.97E-14	-300.754174
0.50000	-67.671117	-100.154169	-9.89E-15	.000000	-1.98E-14	-200.697227
0.75000	-67.671117	-100.348614	-9.91E-15	.000000	-9.93E-15	-100.445836
1.00000	-67.671117	-100.543058	-9.94E-15	.000000	-1.92E-29	-2.39E-15

ELEM 306 ========== LENGTH = 9.537200

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	101.947045	242.026406	2.21E-14	.000000	.000000	.000000
0.25000	101.947045	241.562792	2.21E-14	.000000	5.27E-14	576.510863
0.50000	101.947045	241.099178	2.20E-14	.000000	1.05E-13	1151.916
0.75000	101.947045	240.635564	2.19E-14	.000000	1.58E-13	1726.216
1.00000	101.947045	240.171951	2.19E-14	.000000	2.10E-13	2299.411

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-101.947045	-242.026406	-2.21E-14	.000000	.000000	.000000
0.25000	-101.947045	-241.562792	-2.21E-14	.000000	-5.27E-14	-576.510863
0.50000	-101.947045	-241.099178	-2.20E-14	.000000	-1.05E-13	-1151.916
0.75000	-101.947045	-240.635564	-2.19E-14	.000000	-1.58E-13	-1726.216
1.00000	-101.947045	-240.171951	-2.19E-14	.000000	-2.10E-13	-2299.411

ELEM 307 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	101.947045	58.418238	5.36E-15	.000000	2.05E-13	2299.410
0.25000	101.947045	57.251572	5.22E-15	.000000	1.76E-13	1966.940
0.50000	101.947045	57.161582	5.17E-15	.000000	1.45E-13	1627.471
0.75000	101.947045	58.328249	5.31E-15	.000000	1.14E-13	1281.003
1.00000	101.947045	59.494915	5.45E-15	.000000	8.12E-14	927.534859

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-101.947045	-58.418238	-5.36E-15	.000000	-2.05E-13	-2299.410
0.25000	-101.947045	-57.251572	-5.22E-15	.000000	-1.76E-13	-1966.940
0.50000	-101.947045	-57.161582	-5.17E-15	.000000	-1.45E-13	-1627.471
0.75000	-101.947045	-58.328249	-5.31E-15	.000000	-1.14E-13	-1281.003
1.00000	-101.947045	-59.494915	-5.45E-15	.000000	-8.12E-14	-927.534859

ELEM 308 ========== LENGTH = 4.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	101.947045	231.494915	2.29E-14	.000000	9.16E-14	927.535218
0.25000	101.947045	231.689360	2.29E-14	.000000	6.87E-14	695.943080
0.50000	101.947045	231.883804	2.29E-14	.000000	4.59E-14	464.156498
0.75000	101.947045	232.078249	2.29E-14	.000000	2.29E-14	232.175471
1.00000	101.947045	232.272693	2.29E-14	.000000	1.92E-29	2.39E-15

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-101.947045	-231.494915	-2.29E-14	.000000	-9.16E-14	-927.535218
0.25000	-101.947045	-231.689360	-2.29E-14	.000000	-6.87E-14	-695.943080
0.50000	-101.947045	-231.883804	-2.29E-14	.000000	-4.59E-14	-464.156498
0.75000	-101.947045	-232.078249	-2.29E-14	.000000	-2.29E-14	-232.175471
1.00000	-101.947045	-232.272693	-2.29E-14	.000000	-1.92E-29	-2.39E-15

ELEM 309 ========== LENGTH = 17.539000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	335.402402	201.063682	7.79E-15	.000000	.000000	.000000
0.25000	335.402402	199.723897	7.63E-15	.000000	3.38E-14	878.676669
0.50000	335.402402	198.384112	7.47E-15	.000000	6.69E-14	1751.479
0.75000	335.402402	197.044328	7.31E-15	.000000	9.93E-14	2618.406
1.00000	335.402402	195.704543	7.28E-15	.000000	1.31E-13	3479.459

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-335.402402	-201.063682	-7.79E-15	.000000	.000000	.000000
0.25000	-335.402402	-199.723897	-7.63E-15	.000000	-3.38E-14	-878.676669
0.50000	-335.402402	-198.384112	-7.47E-15	.000000	-6.69E-14	-1751.479
0.75000	-335.402402	-197.044328	-7.31E-15	.000000	-9.93E-14	-2618.406
1.00000	-335.402402	-195.704543	-7.28E-15	.000000	-1.31E-13	-3479.459

ELEM 310 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	335.402402	48.704543	2.24E-15	.000000	1.22E-13	3479.457
0.25000	335.402402	46.871209	2.02E-15	.000000	1.35E-13	3766.183
0.50000	335.402402	45.037876	1.80E-15	.000000	1.46E-13	4041.911
0.75000	335.402402	43.204542	1.87E-15	.000000	1.56E-13	4306.638
1.00000	335.402402	44.897016	2.09E-15	.000000	1.65E-13	4560.365

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-335.402402	-48.704543	-2.24E-15	.000000	-1.22E-13	-3479.457
0.25000	-335.402402	-46.871209	-2.02E-15	.000000	-1.35E-13	-3766.183
0.50000	-335.402402	-45.037876	-1.80E-15	.000000	-1.46E-13	-4041.911
0.75000	-335.402402	-43.204542	-1.87E-15	.000000	-1.56E-13	-4306.638
1.00000	-335.402402	-44.897016	-2.09E-15	.000000	-1.65E-13	-4560.365

ELEM 311 ========== LENGTH = 24.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	335.402402	127.628936	5.26E-15	.000000	1.69E-13	4560.365
0.25000	335.402402	129.462270	5.04E-15	.000000	1.40E-13	3789.091
0.50000	335.402402	131.295603	5.25E-15	.000000	1.09E-13	3006.818
0.75000	335.402402	133.128937	5.47E-15	.000000	7.68E-14	2213.546
1.00000	335.402402	134.962270	5.69E-15	.000000	4.33E-14	1409.273

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-335.402402	-127.628936	-5.26E-15	.000000	-1.69E-13	-4560.365
0.25000	-335.402402	-129.462270	-5.04E-15	.000000	-1.40E-13	-3789.091
0.50000	-335.402402	-131.295603	-5.25E-15	.000000	-1.09E-13	-3006.818
0.75000	-335.402402	-133.128937	-5.47E-15	.000000	-7.68E-14	-2213.546
1.00000	-335.402402	-134.962270	-5.69E-15	.000000	-4.33E-14	-1409.273

ELEM 312 ========== LENGTH = 6.000000

COMBDEADLOAD ---------- MAX

REL DIST	P	V2	V3	T	M2	M3
0.00000	335.402402	233.962270	1.16E-14	.000000	7.02E-14	1409.274
0.25000	335.402402	234.420604	1.17E-14	.000000	5.28E-14	1057.986
0.50000	335.402402	234.878937	1.17E-14	.000000	3.53E-14	706.011811
0.75000	335.402402	235.337270	1.18E-14	.000000	1.77E-14	353.349655
1.00000	335.402402	235.795604	1.18E-14	.000000	1.65E-27	1.85E-11

COMBDEADLOAD ---------- MIN

REL DIST	P	V2	V3	T	M2	M3
0.00000	-335.402402	-233.962270	-1.16E-14	.000000	-7.02E-14	-1409.274
0.25000	-335.402402	-234.420604	-1.17E-14	.000000	-5.28E-14	-1057.986
0.50000	-335.402402	-234.878937	-1.17E-14	.000000	-3.53E-14	-706.011811
0.75000	-335.402402	-235.337270	-1.18E-14	.000000	-1.77E-14	-353.349655
1.00000	-335.402402	-235.795604	-1.18E-14	.000000	-1.65E-27	-1.85E-11

```
                    S A P 2 0 0 0

                Structural Analysis Programs

                       Version 7.40

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                   results produced by this program

                     5 Apr 2005  15:10:33


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 S Y S T E M   D A T A


 STEADY STATE LOAD FREQUENCY  - - - - - - - -  0.0000E+00

 LENGTH UNITS - - - - - - - - - - - - - - - -          IN
 FORCE  UNITS - - - - - - - - - - - - - - - -          LB

 UP DIRECTION - - - - - - - - - - - - - - - -          +Z

 GLOBAL DEGREES OF FREEDOM  - - - - - - - - -          UX
                            - - - - - - - - -          UZ
                            - - - - - - - - -          RY

 PAGINATION BY  - - - - - - - - - - - - - - -    SECTIONS
 NUMBER OF LINES PER PAGE - - - - - - - - - -          59
 INCLUDE WARNING MESSAGES IN OUTPUT FILE  - -           Y
```

G E N E R A T E D J O I N T C O O R D I N A T E S

JOINT	X	Y	Z
1	346.625	120.000	194.750
2	346.625	120.000	483.000
3	130.625	120.000	548.219
4	562.625	120.000	548.219
A3	166.625	120.000	0.000
A4	238.625	120.000	0.000
A5	310.625	120.000	0.000
A6	382.625	120.000	0.000
A7	454.625	120.000	0.000
A8	526.625	120.000	0.000
B3	166.625	120.000	50.500
B4	238.625	120.000	50.500
B5	310.625	120.000	50.500
B6	382.625	120.000	50.500
B7	454.625	120.000	50.500
B8	526.625	120.000	50.500
C3	166.625	120.000	98.500
C4	238.625	120.000	98.500
C7	454.625	120.000	98.500
C8	526.625	120.000	98.500
D2	94.625	120.000	146.500
D3	166.625	120.000	146.500
D4	238.625	120.000	146.500
D5	310.625	120.000	146.500
D6	382.625	120.000	146.500
D7	454.625	120.000	146.500
D8	526.625	120.000	146.500
D9	598.625	120.000	146.500
E2	94.625	120.000	162.250
E3	166.625	120.000	162.250
E4	238.625	120.000	162.250
E5	310.625	120.000	162.250
E6	382.625	120.000	162.250
E7	454.625	120.000	162.250
E8	526.625	120.000	162.250
E9	598.625	120.000	162.250
F2	94.625	120.000	195.000
F3	166.625	120.000	195.000
F8	526.625	120.000	195.000
F9	598.625	120.000	195.000
G2	94.625	120.000	243.000
G3	166.625	120.000	243.000
G4	238.625	120.000	243.000
G5	310.625	120.000	243.000
G6	382.625	120.000	243.000
G7	454.625	120.000	243.000
G8	526.625	120.000	243.000
G9	598.625	120.000	243.000
H2	94.625	120.000	291.000
H3	166.625	120.000	291.000
H8	526.625	120.000	291.000
H9	598.625	120.000	291.000
I1	82.113	120.000	339.000
I2	94.625	120.000	339.000
I3	166.625	120.000	339.000
I4	238.625	120.000	339.000

I5	310.625	120.000	339.000
I6	382.625	120.000	339.000
I7	454.625	120.000	339.000
I8	526.625	120.000	339.000
I9	598.625	120.000	339.000
J1	69.600	120.000	387.000
J2	94.625	120.000	387.000
J3	166.625	120.000	387.000
J8	526.625	120.000	387.000
J9	598.625	120.000	387.000
K1	57.088	120.000	435.000
K2	94.625	120.000	435.000
K3	166.625	120.000	435.000
K4	238.625	120.000	435.000
K5	310.625	120.000	435.000
K6	382.625	120.000	435.000
K7	454.625	120.000	435.000
K8	526.625	120.000	435.000
K9	598.625	120.000	435.000
L1	44.575	120.000	483.000
L2	94.625	120.000	483.000
L3	166.625	120.000	483.000
L8	526.625	120.000	483.000
L9	598.625	120.000	483.000
M1	32.063	120.000	531.000
M2	94.625	120.000	531.000
M3	166.625	120.000	531.000
M4	238.625	120.000	531.000
M5	310.625	120.000	531.000
M6	382.625	120.000	531.000
M7	454.625	120.000	531.000
M8	526.625	120.000	531.000
M9	598.625	120.000	531.000
N1	23.086	120.000	565.437
N2	94.625	120.000	565.437
N3	166.625	120.000	565.437
N8	526.625	120.000	565.437
N9	598.625	120.000	565.437
O4	238.625	120.000	641.000
O7	454.625	120.000	641.000
P1	0.000	120.000	654.000
P2	94.625	120.000	654.000
P3	166.625	120.000	654.000
P4	238.625	120.000	654.000
P5	310.625	120.000	654.000
P6	382.625	120.000	654.000
P7	454.625	120.000	654.000
P8	526.625	120.000	654.000
P9	598.625	120.000	654.000
E2A	130.625	120.000	162.250
E2B	154.625	120.000	162.250
E3A	178.625	120.000	162.250
E3B	202.625	120.000	162.250
E3C	226.625	120.000	162.250
E4A	250.625	120.000	162.250
E4B	280.625	120.000	162.250
E6A	412.625	120.000	162.250
E6B	442.625	120.000	162.250
E7A	466.625	120.000	162.250
E7B	490.625	120.000	162.250
E7C	514.625	120.000	162.250
E8A	538.625	120.000	162.250
E8B	562.625	120.000	162.250

G2A	109.625	120.000	243.000
G2B	133.625	120.000	243.000
G2C	157.625	120.000	243.000
G3A	181.625	120.000	243.000
G3B	205.625	120.000	243.000
G3C	229.625	120.000	243.000
G4A	264.625	120.000	243.000
G6A	428.625	120.000	243.000
G7A	463.625	120.000	243.000
G7B	487.625	120.000	243.000
G7C	511.625	120.000	243.000
G8A	535.625	120.000	243.000
G8B	559.625	120.000	243.000
G8C	583.625	120.000	243.000
I10	611.137	120.000	339.000
I1A	86.113	120.000	339.000
I2A	110.113	120.000	339.000
I2B	134.113	120.000	339.000
I2C	158.113	120.000	339.000
I3A	182.113	120.000	339.000
I3B	206.113	120.000	339.000
I3C	230.113	120.000	339.000
I4A	250.625	120.000	339.000
I6A	442.625	120.000	339.000
I7A	463.137	120.000	339.000
I7B	487.137	120.000	339.000
I7C	511.137	120.000	339.000
I8A	535.137	120.000	339.000
I8B	559.137	120.000	339.000
I8C	583.137	120.000	339.000
I9A	607.137	120.000	339.000
J10	623.650	120.000	387.000
K10	636.162	120.000	435.000
K1A	61.088	120.000	435.000
K1B	85.088	120.000	435.000
K2A	109.088	120.000	435.000
K2B	133.088	120.000	435.000
K2C	157.088	120.000	435.000
K3A	181.088	120.000	435.000
K3B	212.088	120.000	435.000
K7A	481.162	120.000	435.000
K7B	512.162	120.000	435.000
K8A	536.162	120.000	435.000
K8B	560.162	120.000	435.000
K8C	584.162	120.000	435.000
K9A	608.162	120.000	435.000
K9B	632.162	120.000	435.000
L10	648.675	120.000	483.000
M10	661.187	120.000	531.000
M3A	190.625	120.000	531.000
M7A	502.625	120.000	531.000
N10	670.164	120.000	565.437
N1A	29.086	120.000	565.437
N1B	53.086	120.000	565.437
N1C	77.086	120.000	565.437
N2A	101.086	120.000	565.437
N2B	125.086	120.000	565.437
N2C	149.086	120.000	565.437
N8A	544.164	120.000	565.437
N8B	568.164	120.000	565.437
N8C	592.164	120.000	565.437
N9A	616.164	120.000	565.437
N9B	640.164	120.000	565.437

```
     N9C        664.164        120.000        565.437
     P10        693.250        120.000        654.000

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 P A T T E R N S

 PATTERN     JOINT       VALUE
 DEFAULT

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 R E S T R A I N T   D A T A

   JOINT
      A3        U1        U2        U3
      A4        U1        U2        U3
      A5        U1        U2        U3
      A6        U1        U2        U3
      A7        U1        U2        U3
      A8        U1        U2        U3
      D2        U1        U2        U3
      D9        U1        U2        U3

C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE    5
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 C O N S T R A I N T   D A T A

  CONSTR    TYPE    CSYS  AXIS  DEGREES OF FREEDOM

     PO4   EQUAL       0         UX
     PO7   EQUAL       0         UX

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 C O N S T R A I N T   D A T A

  CONSTR
         JOINTS
     PO4
              O4      P4
     PO7
              O7      P7

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 J O I N T   M A S S E S
```

JOINT	U1	U2	U3	R1	R2	R3
D2	0.615E-01	0.615E-01	0.615E-01	0.000E+00	0.000E+00	0.000E+00
D9	0.615E-01	0.615E-01	0.615E-01	0.000E+00	0.000E+00	0.000E+00
E2	0.314E+00	0.314E+00	0.314E+00	0.000E+00	0.000E+00	0.000E+00
E3	0.250E+00	0.250E+00	0.250E+00	0.000E+00	0.000E+00	0.000E+00
E4	0.617E+00	0.617E+00	0.617E+00	0.000E+00	0.000E+00	0.000E+00
E5	0.617E+00	0.617E+00	0.617E+00	0.000E+00	0.000E+00	0.000E+00
E6	0.617E+00	0.617E+00	0.617E+00	0.000E+00	0.000E+00	0.000E+00
E7	0.617E+00	0.617E+00	0.617E+00	0.000E+00	0.000E+00	0.000E+00
E8	0.250E+00	0.250E+00	0.250E+00	0.000E+00	0.000E+00	0.000E+00
E9	0.314E+00	0.314E+00	0.314E+00	0.000E+00	0.000E+00	0.000E+00
F2	0.624E+00	0.624E+00	0.624E+00	0.000E+00	0.000E+00	0.000E+00
F3	0.617E+00	0.617E+00	0.617E+00	0.000E+00	0.000E+00	0.000E+00
F8	0.617E+00	0.617E+00	0.617E+00	0.000E+00	0.000E+00	0.000E+00
F9	0.624E+00	0.624E+00	0.624E+00	0.000E+00	0.000E+00	0.000E+00
G2	0.741E+00	0.741E+00	0.741E+00	0.000E+00	0.000E+00	0.000E+00
G3	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
G4	0.135E+01	0.135E+01	0.135E+01	0.000E+00	0.000E+00	0.000E+00
G5	0.135E+01	0.135E+01	0.135E+01	0.000E+00	0.000E+00	0.000E+00
G6	0.135E+01	0.135E+01	0.135E+01	0.000E+00	0.000E+00	0.000E+00
G7	0.135E+01	0.135E+01	0.135E+01	0.000E+00	0.000E+00	0.000E+00
G8	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
G9	0.741E+00	0.741E+00	0.741E+00	0.000E+00	0.000E+00	0.000E+00
H2	0.899E+00	0.899E+00	0.899E+00	0.000E+00	0.000E+00	0.000E+00
H3	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
H8	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
H9	0.899E+00	0.899E+00	0.899E+00	0.000E+00	0.000E+00	0.000E+00
I1	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
I2	0.367E+00	0.367E+00	0.367E+00	0.000E+00	0.000E+00	0.000E+00
I3	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
I4	0.147E+01	0.147E+01	0.147E+01	0.000E+00	0.000E+00	0.000E+00
I5	0.147E+01	0.147E+01	0.147E+01	0.000E+00	0.000E+00	0.000E+00
I6	0.147E+01	0.147E+01	0.147E+01	0.000E+00	0.000E+00	0.000E+00
I7	0.147E+01	0.147E+01	0.147E+01	0.000E+00	0.000E+00	0.000E+00
I8	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
I9	0.367E+00	0.367E+00	0.367E+00	0.000E+00	0.000E+00	0.000E+00
J1	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
J2	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
J3	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
J8	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
J9	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
K1	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
K2	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
K3	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
K4	0.147E+01	0.147E+01	0.147E+01	0.000E+00	0.000E+00	0.000E+00
K5	0.147E+01	0.147E+01	0.147E+01	0.000E+00	0.000E+00	0.000E+00
K6	0.147E+01	0.147E+01	0.147E+01	0.000E+00	0.000E+00	0.000E+00
K7	0.147E+01	0.147E+01	0.147E+01	0.000E+00	0.000E+00	0.000E+00
K8	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
K9	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
L1	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
L2	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
L3	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
L8	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
L9	0.733E+00	0.733E+00	0.733E+00	0.000E+00	0.000E+00	0.000E+00
M1	0.640E+00	0.640E+00	0.640E+00	0.000E+00	0.000E+00	0.000E+00
M2	0.622E+00	0.622E+00	0.622E+00	0.000E+00	0.000E+00	0.000E+00
M3	0.622E+00	0.622E+00	0.622E+00	0.000E+00	0.000E+00	0.000E+00
M4	0.167E+01	0.167E+01	0.167E+01	0.000E+00	0.000E+00	0.000E+00
M5	0.167E+01	0.167E+01	0.167E+01	0.000E+00	0.000E+00	0.000E+00
M6	0.167E+01	0.167E+01	0.167E+01	0.000E+00	0.000E+00	0.000E+00
M7	0.167E+01	0.167E+01	0.167E+01	0.000E+00	0.000E+00	0.000E+00
M8	0.622E+00	0.622E+00	0.622E+00	0.000E+00	0.000E+00	0.000E+00

M9	0.622E+00	0.622E+00	0.622E+00	0.000E+00	0.000E+00	0.000E+00
N1	0.264E+01	0.264E+01	0.264E+01	0.000E+00	0.000E+00	0.000E+00
N2	0.141E+02	0.141E+02	0.141E+02	0.000E+00	0.000E+00	0.000E+00
N3	0.123E+02	0.123E+02	0.123E+02	0.000E+00	0.000E+00	0.000E+00
N8	0.123E+02	0.123E+02	0.123E+02	0.000E+00	0.000E+00	0.000E+00
N9	0.141E+02	0.141E+02	0.141E+02	0.000E+00	0.000E+00	0.000E+00
P1	0.262E+01	0.262E+01	0.262E+01	0.000E+00	0.000E+00	0.000E+00
P2	0.452E+01	0.452E+01	0.452E+01	0.000E+00	0.000E+00	0.000E+00
P3	0.499E+01	0.499E+01	0.499E+01	0.000E+00	0.000E+00	0.000E+00
P4	0.546E+01	0.546E+01	0.546E+01	0.000E+00	0.000E+00	0.000E+00
P5	0.546E+01	0.546E+01	0.546E+01	0.000E+00	0.000E+00	0.000E+00
P6	0.546E+01	0.546E+01	0.546E+01	0.000E+00	0.000E+00	0.000E+00
P7	0.546E+01	0.546E+01	0.546E+01	0.000E+00	0.000E+00	0.000E+00
P8	0.499E+01	0.499E+01	0.499E+01	0.000E+00	0.000E+00	0.000E+00
P9	0.499E+01	0.499E+01	0.499E+01	0.000E+00	0.000E+00	0.000E+00
E2A	0.159E+00	0.159E+00	0.159E+00	0.000E+00	0.000E+00	0.000E+00
E2B	0.273E+00	0.273E+00	0.273E+00	0.000E+00	0.000E+00	0.000E+00
E3A	0.238E+00	0.238E+00	0.238E+00	0.000E+00	0.000E+00	0.000E+00
E3B	0.238E+00	0.238E+00	0.238E+00	0.000E+00	0.000E+00	0.000E+00
E3C	0.203E+00	0.203E+00	0.203E+00	0.000E+00	0.000E+00	0.000E+00
E4A	0.203E+00	0.203E+00	0.203E+00	0.000E+00	0.000E+00	0.000E+00
E4B	0.201E+00	0.201E+00	0.201E+00	0.000E+00	0.000E+00	0.000E+00
E6A	0.201E+00	0.201E+00	0.201E+00	0.000E+00	0.000E+00	0.000E+00
E6B	0.203E+00	0.203E+00	0.203E+00	0.000E+00	0.000E+00	0.000E+00
E7A	0.203E+00	0.203E+00	0.203E+00	0.000E+00	0.000E+00	0.000E+00
E7B	0.238E+00	0.238E+00	0.238E+00	0.000E+00	0.000E+00	0.000E+00
E7C	0.238E+00	0.238E+00	0.238E+00	0.000E+00	0.000E+00	0.000E+00
E8A	0.273E+00	0.273E+00	0.273E+00	0.000E+00	0.000E+00	0.000E+00
E8B	0.159E+00	0.159E+00	0.159E+00	0.000E+00	0.000E+00	0.000E+00
G2A	0.349E+00	0.349E+00	0.349E+00	0.000E+00	0.000E+00	0.000E+00
G2B	0.598E+00	0.598E+00	0.598E+00	0.000E+00	0.000E+00	0.000E+00
G2C	0.521E+00	0.521E+00	0.521E+00	0.000E+00	0.000E+00	0.000E+00
G3A	0.521E+00	0.521E+00	0.521E+00	0.000E+00	0.000E+00	0.000E+00
G3B	0.444E+00	0.444E+00	0.444E+00	0.000E+00	0.000E+00	0.000E+00
G3C	0.444E+00	0.444E+00	0.444E+00	0.000E+00	0.000E+00	0.000E+00
G4A	0.295E+00	0.295E+00	0.295E+00	0.000E+00	0.000E+00	0.000E+00
G6A	0.295E+00	0.295E+00	0.295E+00	0.000E+00	0.000E+00	0.000E+00
G7A	0.444E+00	0.444E+00	0.444E+00	0.000E+00	0.000E+00	0.000E+00
G7B	0.444E+00	0.444E+00	0.444E+00	0.000E+00	0.000E+00	0.000E+00
G7C	0.521E+00	0.521E+00	0.521E+00	0.000E+00	0.000E+00	0.000E+00
G8A	0.521E+00	0.521E+00	0.521E+00	0.000E+00	0.000E+00	0.000E+00
G8B	0.598E+00	0.598E+00	0.598E+00	0.000E+00	0.000E+00	0.000E+00
G8C	0.349E+00	0.349E+00	0.349E+00	0.000E+00	0.000E+00	0.000E+00
I10	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
I1A	0.379E+00	0.379E+00	0.379E+00	0.000E+00	0.000E+00	0.000E+00
I2A	0.650E+00	0.650E+00	0.650E+00	0.000E+00	0.000E+00	0.000E+00
I2B	0.566E+00	0.566E+00	0.566E+00	0.000E+00	0.000E+00	0.000E+00
I2C	0.566E+00	0.566E+00	0.566E+00	0.000E+00	0.000E+00	0.000E+00
I3A	0.483E+00	0.483E+00	0.483E+00	0.000E+00	0.000E+00	0.000E+00
I3B	0.483E+00	0.483E+00	0.483E+00	0.000E+00	0.000E+00	0.000E+00
I3C	0.161E+00	0.161E+00	0.161E+00	0.000E+00	0.000E+00	0.000E+00
I4A	0.161E+00	0.161E+00	0.161E+00	0.000E+00	0.000E+00	0.000E+00
I6A	0.161E+00	0.161E+00	0.161E+00	0.000E+00	0.000E+00	0.000E+00
I7A	0.161E+00	0.161E+00	0.161E+00	0.000E+00	0.000E+00	0.000E+00
I7B	0.483E+00	0.483E+00	0.483E+00	0.000E+00	0.000E+00	0.000E+00
I7C	0.483E+00	0.483E+00	0.483E+00	0.000E+00	0.000E+00	0.000E+00
I8A	0.566E+00	0.566E+00	0.566E+00	0.000E+00	0.000E+00	0.000E+00
I8B	0.566E+00	0.566E+00	0.566E+00	0.000E+00	0.000E+00	0.000E+00
I8C	0.650E+00	0.650E+00	0.650E+00	0.000E+00	0.000E+00	0.000E+00
I9A	0.379E+00	0.379E+00	0.379E+00	0.000E+00	0.000E+00	0.000E+00
J10	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
K10	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
K1A	0.445E+00	0.445E+00	0.445E+00	0.000E+00	0.000E+00	0.000E+00

K1B	0.763E+00	0.763E+00	0.763E+00	0.000E+00	0.000E+00	0.000E+00
K2A	0.665E+00	0.665E+00	0.665E+00	0.000E+00	0.000E+00	0.000E+00
K2B	0.665E+00	0.665E+00	0.665E+00	0.000E+00	0.000E+00	0.000E+00
K2C	0.567E+00	0.567E+00	0.567E+00	0.000E+00	0.000E+00	0.000E+00
K3A	0.567E+00	0.567E+00	0.567E+00	0.000E+00	0.000E+00	0.000E+00
K3B	0.377E+00	0.377E+00	0.377E+00	0.000E+00	0.000E+00	0.000E+00
K7A	0.377E+00	0.377E+00	0.377E+00	0.000E+00	0.000E+00	0.000E+00
K7B	0.567E+00	0.567E+00	0.567E+00	0.000E+00	0.000E+00	0.000E+00
K8A	0.567E+00	0.567E+00	0.567E+00	0.000E+00	0.000E+00	0.000E+00
K8B	0.665E+00	0.665E+00	0.665E+00	0.000E+00	0.000E+00	0.000E+00
K8C	0.665E+00	0.665E+00	0.665E+00	0.000E+00	0.000E+00	0.000E+00
K9A	0.763E+00	0.763E+00	0.763E+00	0.000E+00	0.000E+00	0.000E+00
K9B	0.445E+00	0.445E+00	0.445E+00	0.000E+00	0.000E+00	0.000E+00
L10	0.387E+00	0.387E+00	0.387E+00	0.000E+00	0.000E+00	0.000E+00
M10	0.640E+00	0.640E+00	0.640E+00	0.000E+00	0.000E+00	0.000E+00
M3A	0.216E+00	0.216E+00	0.216E+00	0.000E+00	0.000E+00	0.000E+00
M7A	0.216E+00	0.216E+00	0.216E+00	0.000E+00	0.000E+00	0.000E+00
N10	0.264E+01	0.264E+01	0.264E+01	0.000E+00	0.000E+00	0.000E+00
N1A	0.255E+00	0.255E+00	0.255E+00	0.000E+00	0.000E+00	0.000E+00
N1B	0.438E+00	0.438E+00	0.438E+00	0.000E+00	0.000E+00	0.000E+00
N1C	0.382E+00	0.382E+00	0.382E+00	0.000E+00	0.000E+00	0.000E+00
N2A	0.382E+00	0.382E+00	0.382E+00	0.000E+00	0.000E+00	0.000E+00
N2B	0.325E+00	0.325E+00	0.325E+00	0.000E+00	0.000E+00	0.000E+00
N2C	0.325E+00	0.325E+00	0.325E+00	0.000E+00	0.000E+00	0.000E+00
N8A	0.325E+00	0.325E+00	0.325E+00	0.000E+00	0.000E+00	0.000E+00
N8B	0.325E+00	0.325E+00	0.325E+00	0.000E+00	0.000E+00	0.000E+00
N8C	0.382E+00	0.382E+00	0.382E+00	0.000E+00	0.000E+00	0.000E+00
N9A	0.382E+00	0.382E+00	0.382E+00	0.000E+00	0.000E+00	0.000E+00
N9B	0.438E+00	0.438E+00	0.438E+00	0.000E+00	0.000E+00	0.000E+00
N9C	0.255E+00	0.255E+00	0.255E+00	0.000E+00	0.000E+00	0.000E+00
P10	0.309E+01	0.309E+01	0.309E+01	0.000E+00	0.000E+00	0.000E+00

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 8
PROGRAM:SAP2000/FILE:\PartitionBentSeismic.EKO

J O I N T S P R I N G S

JOINT						
1	U1	U2	U3	R1	R2	R3
R2					0.100E+01	0.000E+00
JOINT						
2	U1	U2	U3	R1	R2	R3
R2					0.100E+01	0.000E+00
JOINT						
3	U1	U2	U3	R1	R2	R3
R2					0.100E+01	0.000E+00
JOINT						
4	U1	U2	U3	R1	R2	R3
R2					0.100E+01	0.000E+00
JOINT						
A3	U1	U2	U3	R1	R2	R3
R2					0.100E+01	0.000E+00
JOINT						
A4	U1	U2	U3	R1	R2	R3
R2					0.100E+01	0.000E+00

```
JOINT
   A5              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   A6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   A7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   A8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   B3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   B4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   B5              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   B6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   B7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   B8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   C3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   C4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   C7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   C8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   D2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   D3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00
```

```
JOINT
   D4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   D5              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   D6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   D7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   D8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   D9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E5              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   E9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   F2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   F3              U1         U2         U3         R1         R2         R3
```

```
        R2                                                  0.100E+01  0.000E+00

JOINT
   F8              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   F9              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   G2              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   G3              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   G4              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   G5              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   G6              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   G7              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   G8              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   G9              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   H2              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   H3              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   H8              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   H9              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
   I1              U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
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   I2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   I3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   I4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   I5              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   I6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   I7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   I8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   I9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   J1              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   J2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   J3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   J8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   J9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K1              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00
```

```
JOINT
   K4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K5              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   K9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   L1              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   L2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   L3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   L8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   L9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   M1              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   M2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   M3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   M4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   M5              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00
```

```
JOINT
   M6              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   M7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   M8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   M9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   N1              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   N2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   N3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   N8              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   N9              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   O4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   O7              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P1              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P2              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P3              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P4              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
   P5              U1         U2         U3         R1         R2         R3
```

```
       R2                                                  0.100E+01  0.000E+00

JOINT
   P6              U1         U2         U3         R1         R2         R3
       R2                                                  0.100E+01  0.000E+00

JOINT
   P7              U1         U2         U3         R1         R2         R3
       R2                                                  0.100E+01  0.000E+00

JOINT
   P8              U1         U2         U3         R1         R2         R3
       R2                                                  0.100E+01  0.000E+00

JOINT
   P9              U1         U2         U3         R1         R2         R3
       R2                                                  0.100E+01  0.000E+00

JOINT
  E2A              U1         U2         U3         R1         R2         R3
       R2                                                  0.100E+01  0.000E+00

JOINT
  E2B              U1         U2         U3         R1         R2         R3
       R2                                                  0.100E+01  0.000E+00

JOINT
  E3A              U1         U2         U3         R1         R2         R3
       R2                                                  0.100E+01  0.000E+00

JOINT
  E3B              U1         U2         U3         R1         R2         R3
       R2                                                  0.100E+01  0.000E+00

JOINT
  E3C              U1         U2         U3         R1         R2         R3
       R2                                                  0.100E+01  0.000E+00

JOINT
  E4A              U1         U2         U3         R1         R2         R3
       R2                                                  0.100E+01  0.000E+00

JOINT
  E4B              U1         U2         U3         R1         R2         R3
       R2                                                  0.100E+01  0.000E+00

JOINT
  E6A              U1         U2         U3         R1         R2         R3
       R2                                                  0.100E+01  0.000E+00

JOINT
  E6B              U1         U2         U3         R1         R2         R3
       R2                                                  0.100E+01  0.000E+00

JOINT
  E7A              U1         U2         U3         R1         R2         R3
       R2                                                  0.100E+01  0.000E+00

JOINT
  E7B              U1         U2         U3         R1         R2         R3
       R2                                                  0.100E+01  0.000E+00

JOINT
```

```
  E7C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E8A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  E8B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G2A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G2B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G2C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G3A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G3B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G3C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G4A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G6A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G7A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G7B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G7C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G8A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  G8B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00
```

```
JOINT
  G8C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I10              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I1A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I2A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I2B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I2C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I3A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I3B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I3C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I4A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I6A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I7A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I7B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I7C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I8A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I8B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00
```

```
JOINT
  I8C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  I9A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  J10              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K10              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K1A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K1B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K2A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K2B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K2C              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K3A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K3B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K7A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K7B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K8A              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K8B              U1         U2         U3         R1         R2         R3
       R2                                                   0.100E+01  0.000E+00

JOINT
  K8C              U1         U2         U3         R1         R2         R3
```

```
        R2                                                  0.100E+01  0.000E+00

JOINT
  K9A               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  K9B               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  L10               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  M10               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  M3A               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  M7A               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  N10               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  N1A               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  N1B               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  N1C               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  N2A               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  N2B               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  N2C               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  N8A               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
  N8B               U1         U2         U3         R1         R2         R3
        R2                                                  0.100E+01  0.000E+00

JOINT
```

```
    N8C             U1         U2         U3         R1         R2         R3
         R2                                                  0.100E+01  0.000E+00

  JOINT
    N9A             U1         U2         U3         R1         R2         R3
         R2                                                  0.100E+01  0.000E+00

  JOINT
    N9B             U1         U2         U3         R1         R2         R3
         R2                                                  0.100E+01  0.000E+00

  JOINT
    N9C             U1         U2         U3         R1         R2         R3
         R2                                                  0.100E+01  0.000E+00

  JOINT
    P10             U1         U2         U3         R1         R2         R3
         R2                                                  0.100E+01  0.000E+00


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 M A T E R I A L   P R O P E R T Y   D A T A

    MAT    NUMBER     WEIGHT PER       MASS PER    DESIGN
  LABEL     TEMPS       UNIT VOL       UNIT VOL      CODE

  STEEL         1     0.2830E+00     0.7324E-03         S
   CONC         1     0.8680E-01     0.2246E-03         C
  OTHER         1     0.8680E-01     0.2246E-03         N
   WOOD         1     0.1852E-01     0.4793E-04         N


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 T E M P E R A T U R E   D E P E N D E N T   D A T A

 MATERIAL PROPERTIES

    MAT      TEMP         MODULUS OF ELASTICITY          SHEAR MODULII
  LABEL                  E1        E2        E3       G12       G13       G23

  STEEL      0.00 0.290E+08 0.290E+08 0.290E+08 0.112E+08 0.112E+08 0.112E+08

   CONC      0.00 0.360E+07 0.360E+07 0.360E+07 0.150E+07 0.150E+07 0.150E+07

  OTHER      0.00 0.360E+07 0.360E+07 0.360E+07 0.150E+07 0.150E+07 0.150E+07

   WOOD      0.00 0.140E+07 0.140E+07 0.140E+07 0.538E+06 0.538E+06 0.538E+06


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 T E M P E R A T U R E   D E P E N D E N T   D A T A

 THERMAL EXPANSION COEFFICIENTS
```

MAT LABEL	TEMP	COEFFICIENTS OF THERMAL EXPANSION A1	A2	A3	A12	A13	A23
STEEL	0.00	0.650E-05	0.650E-05	0.650E-05	0.000E+00	0.000E+00	0.000E+00
CONC	0.00	0.550E-05	0.550E-05	0.550E-05	0.000E+00	0.000E+00	0.000E+00
OTHER	0.00	0.550E-05	0.550E-05	0.550E-05	0.000E+00	0.000E+00	0.000E+00
WOOD	0.00	0.650E-05	0.650E-05	0.650E-05	0.000E+00	0.000E+00	0.000E+00

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T E M P E R A T U R E D E P E N D E N T D A T A

MATERIAL PROPERTIES

MAT LABEL	TEMP	POISSONS RATIO U12	U13	U23	U14	U24	U34	U15	U25	U35	U45	U16	U26	U36	U46	U56
STEEL	0.00	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
CONC	0.00	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
OTHER	0.00	0.2	0.2	0.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
WOOD	0.00	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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MATERIAL PROPERTIES

MAT LABEL	TEMP	YIELD FY
CONC	0.00	36.00

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	SHAPE TYPE	DEPTH	FLANGE WIDTH TOP	FLANGE THICK TOP	WEB THICK	FLANGE WIDTH BOTTOM	FLANGE THICK BOTTOM
4X4	R	3.500	3.500				
2X2X4	R	3.500	3.000				
2X2X6	R	5.500	3.000				
4X6	R	5.500	3.500				
2X4X4	R	7.000	3.500				

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	AXIAL AREA	TORSIONAL CONSTANT	MOMENTS OF INERTIA I33	I22	SHEAR AREAS A2	A3
4X4	0.123E+02	0.211E+02	0.125E+02	0.125E+02	0.102E+02	0.102E+02
2X2X4	0.105E+02	0.153E+02	0.107E+02	0.788E+01	0.875E+01	0.875E+01
2X2X6	0.165E+02	0.326E+02	0.416E+02	0.124E+02	0.138E+02	0.138E+02
4X6	0.193E+02	0.475E+02	0.485E+02	0.197E+02	0.160E+02	0.160E+02
2X4X4	0.245E+02	0.687E+02	0.100E+03	0.250E+02	0.204E+02	0.204E+02

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F R A M E S E C T I O N P R O P E R T Y D A T A - P R I S M A T I C

SECTION LABEL	MAT LABEL	ADDITIONAL MASS PER LENGTH	ADDITIONAL WEIGHT PER LENGTH
4X4	WOOD	0.000E+00	0.000E+00
2X2X4	WOOD	0.000E+00	0.000E+00
2X2X6	WOOD	0.000E+00	0.000E+00
4X6	WOOD	0.000E+00	0.000E+00
2X4X4	WOOD	0.000E+00	0.000E+00

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F R A M E E L E M E N T D A T A

ELEMENT LABEL	JOINT END-I	JOINT END-J	ELEMENT LENGTH	END-OFFSET-LENGTHS END-I	END-J	RIGID-END FACTOR	NUMBER OF SEGMENTS
1	N1	P1	91.522	0.000	0.000	0.0000	2
2	M1	N1	35.588	0.000	0.000	0.0000	2
3	L1	M1	49.604	0.000	0.000	0.0000	2
4	P1	P2	94.625	0.000	0.000	0.0000	4
5	K1	L1	49.604	0.000	0.000	0.0000	2
6	I6	I6A	60.000	0.000	0.000	0.0000	4
7	J1	K1	49.604	0.000	0.000	0.0000	2
8	M2	M1	62.562	0.000	0.000	0.0000	4
9	L2	L1	50.050	0.000	0.000	0.0000	4
10	I1	J1	49.604	0.000	0.000	0.0000	2
11	I6A	I7	12.000	0.000	0.000	0.0000	4
12	J2	J1	25.025	0.000	0.000	0.0000	4
13	H2	I1	49.604	0.000	0.000	0.0000	2
14	I7A	I7B	24.000	0.000	0.000	0.0000	4
15	D2	E2	15.750	0.000	0.000	0.0000	2
16	E2	F2	32.750	0.000	0.000	0.0000	2
17	F2	G2	48.000	0.000	0.000	0.0000	2
18	G2	H2	48.000	0.000	0.000	0.0000	2
19	H2	I2	48.000	0.000	0.000	0.0000	2
20	I2	J2	48.000	0.000	0.000	0.0000	2
21	J2	K2	48.000	0.000	0.000	0.0000	2
22	K2	L2	48.000	0.000	0.000	0.0000	2
23	L2	M2	48.000	0.000	0.000	0.0000	2

24	M2	N2	34.437	0.000	0.000	0.0000	2
25	N2	P2	88.563	0.000	0.000	0.0000	2
26	M2	3	39.906	0.000	0.000	0.0000	2
27	N2	3	39.906	0.000	0.000	0.0000	2
28	I7B	I7C	24.000	0.000	0.000	0.0000	4
29	E3	F2	79.098	0.000	0.000	0.0000	2
30	D2	G3	120.400	0.000	0.000	0.0000	2
31	F2	F3	72.000	0.000	0.000	0.0000	4
32	I7C	I8	15.488	0.000	0.000	0.0000	4
33	G2	H3	86.533	0.000	0.000	0.0000	2
34	H2	H3	72.000	0.000	0.000	0.0000	4
35	K3A	K3B	31.000	0.000	0.000	0.0000	4
36	I2	J3	86.533	0.000	0.000	0.0000	2
37	J2	J3	72.000	0.000	0.000	0.0000	4
38	K3B	K4	26.537	0.000	0.000	0.0000	4
39	K2	L3	86.533	0.000	0.000	0.0000	2
40	L2	L3	72.000	0.000	0.000	0.0000	4
41	M2	M3	72.000	0.000	0.000	0.0000	4
42	K7	K7A	26.537	0.000	0.000	0.0000	4
43	P2	P3	72.000	0.000	0.000	0.0000	4
44	3	M3	39.906	0.000	0.000	0.0000	2
45	3	N3	39.906	0.000	0.000	0.0000	2
46	A3	B3	50.500	0.000	0.000	0.0000	2
47	B3	C3	48.000	0.000	0.000	0.0000	2
48	C3	D3	48.000	0.000	0.000	0.0000	2
49	D3	E3	15.750	0.000	0.000	0.0000	2
50	E3	F3	32.750	0.000	0.000	0.0000	2
51	F3	G3	48.000	0.000	0.000	0.0000	2
52	G3	H3	48.000	0.000	0.000	0.0000	2
53	H3	I3	48.000	0.000	0.000	0.0000	2
54	I3	J3	48.000	0.000	0.000	0.0000	2
55	J3	K3	48.000	0.000	0.000	0.0000	2
56	K3	L3	48.000	0.000	0.000	0.0000	2
57	L3	M3	48.000	0.000	0.000	0.0000	2
58	M3	N3	34.437	0.000	0.000	0.0000	2
59	N3	P3	88.563	0.000	0.000	0.0000	2
60	A3	B4	87.945	0.000	0.000	0.0000	2
61	B3	B4	72.000	0.000	0.000	0.0000	4
62	C3	C4	72.000	0.000	0.000	0.0000	4
63	D3	D4	72.000	0.000	0.000	0.0000	4
64	K7A	K7B	31.000	0.000	0.000	0.0000	4
65	M3	M3A	24.000	0.000	0.000	0.0000	4
66	G3	I4	120.000	0.000	0.000	0.0000	2
67	M3A	M4	48.000	0.000	0.000	0.0000	4
68	M7	M7A	48.000	0.000	0.000	0.0000	4
69	M7A	M8	24.000	0.000	0.000	0.0000	4
70	O4	M3	131.469	0.000	0.000	0.0000	2
71	P3	P4	72.000	0.000	0.000	0.0000	4
72	A4	B4	50.500	0.000	0.000	0.0000	2
73	B4	C4	48.000	0.000	0.000	0.0000	2
74	C4	D4	48.000	0.000	0.000	0.0000	2
75	D4	E4	15.750	0.000	0.000	0.0000	2
76	E4	G4	80.750	0.000	0.000	0.0000	2
77	G4	I4	96.000	0.000	0.000	0.0000	2
78	I4	K4	96.000	0.000	0.000	0.0000	2
79	K4	M4	96.000	0.000	0.000	0.0000	2
80	M4	O4	110.000	0.000	0.000	0.0000	2
81	O4	P4	13.000	0.000	0.000	0.0000	2
82	B4	B5	72.000	0.000	0.000	0.0000	4
83	B4	D5	120.000	0.000	0.000	0.0000	2
84	D4	D5	72.000	0.000	0.000	0.0000	4
87	G5	I4	120.000	0.000	0.000	0.0000	2
89	I4	K5	120.000	0.000	0.000	0.0000	2

90	K4	K5	72.000	0.000	0.000	0.0000	4
91	M4	M5	72.000	0.000	0.000	0.0000	4
92	M5	O4	131.469	0.000	0.000	0.0000	2
93	P4	P5	72.000	0.000	0.000	0.0000	4
94	A5	B5	50.500	0.000	0.000	0.0000	2
95	B5	D5	96.000	0.000	0.000	0.0000	2
96	D5	E5	15.750	0.000	0.000	0.0000	2
97	E5	G5	80.750	0.000	0.000	0.0000	2
98	G5	I5	96.000	0.000	0.000	0.0000	2
99	I5	K5	96.000	0.000	0.000	0.0000	2
100	K5	M5	96.000	0.000	0.000	0.0000	2
101	M5	P5	123.000	0.000	0.000	0.0000	2
102	D5	1	60.200	0.000	0.000	0.0000	2
103	1	G5	60.200	0.000	0.000	0.0000	2
104	K5	2	60.000	0.000	0.000	0.0000	2
105	2	M5	60.000	0.000	0.000	0.0000	2
106	B5	B6	72.000	0.000	0.000	0.0000	4
107	D5	D6	72.000	0.000	0.000	0.0000	4
108	E5	E6	72.000	0.000	0.000	0.0000	4
109	G5	G6	72.000	0.000	0.000	0.0000	4
110	I5	I6	72.000	0.000	0.000	0.0000	4
111	K5	K6	72.000	0.000	0.000	0.0000	4
112	M5	M6	72.000	0.000	0.000	0.0000	4
113	P5	P6	72.000	0.000	0.000	0.0000	4
114	D6	1	60.200	0.000	0.000	0.0000	2
115	1	G6	60.200	0.000	0.000	0.0000	2
116	K6	2	60.000	0.000	0.000	0.0000	2
117	2	M6	60.000	0.000	0.000	0.0000	2
118	A6	B6	50.500	0.000	0.000	0.0000	2
119	B6	D6	96.000	0.000	0.000	0.0000	2
120	D6	E6	15.750	0.000	0.000	0.0000	2
121	E6	G6	80.750	0.000	0.000	0.0000	2
122	G6	I6	96.000	0.000	0.000	0.0000	2
123	I6	K6	96.000	0.000	0.000	0.0000	2
124	K6	M6	96.000	0.000	0.000	0.0000	2
125	M6	P6	123.000	0.000	0.000	0.0000	2
126	B6	B7	72.000	0.000	0.000	0.0000	4
127	B7	D6	120.000	0.000	0.000	0.0000	2
128	D6	D7	72.000	0.000	0.000	0.0000	4
131	G6	I7	120.000	0.000	0.000	0.0000	2
133	I7	K6	120.000	0.000	0.000	0.0000	2
134	K6	K7	72.000	0.000	0.000	0.0000	4
135	M6	M7	72.000	0.000	0.000	0.0000	4
136	M6	O7	131.469	0.000	0.000	0.0000	2
137	P6	P7	72.000	0.000	0.000	0.0000	4
138	A7	B7	50.500	0.000	0.000	0.0000	2
139	B7	C7	48.000	0.000	0.000	0.0000	2
140	C7	D7	48.000	0.000	0.000	0.0000	2
141	D7	E7	15.750	0.000	0.000	0.0000	2
142	E7	G7	80.750	0.000	0.000	0.0000	2
143	G7	I7	96.000	0.000	0.000	0.0000	2
144	I7	K7	96.000	0.000	0.000	0.0000	2
145	K7	M7	96.000	0.000	0.000	0.0000	2
146	M7	O7	110.000	0.000	0.000	0.0000	2
147	O7	P7	13.000	0.000	0.000	0.0000	2
148	A8	B7	87.945	0.000	0.000	0.0000	2
149	B7	B8	72.000	0.000	0.000	0.0000	4
150	C7	C8	72.000	0.000	0.000	0.0000	4
151	D7	D8	72.000	0.000	0.000	0.0000	4
154	G8	I7	120.000	0.000	0.000	0.0000	2
158	O7	M8	131.469	0.000	0.000	0.0000	2
159	P7	P8	72.000	0.000	0.000	0.0000	4
160	A8	B8	50.500	0.000	0.000	0.0000	2

161	B8	C8	48.000	0.000	0.000	0.0000	2
162	C8	D8	48.000	0.000	0.000	0.0000	2
163	D8	E8	15.750	0.000	0.000	0.0000	2
164	E8	F8	32.750	0.000	0.000	0.0000	2
165	F8	G8	48.000	0.000	0.000	0.0000	2
166	G8	H8	48.000	0.000	0.000	0.0000	2
167	H8	I8	48.000	0.000	0.000	0.0000	2
168	I8	J8	48.000	0.000	0.000	0.0000	2
169	J8	K8	48.000	0.000	0.000	0.0000	2
170	K8	L8	48.000	0.000	0.000	0.0000	2
171	L8	M8	48.000	0.000	0.000	0.0000	2
172	M8	N8	34.437	0.000	0.000	0.0000	2
173	N8	P8	88.563	0.000	0.000	0.0000	2
174	M8	4	39.906	0.000	0.000	0.0000	2
175	N8	4	39.906	0.000	0.000	0.0000	2
177	E8	F9	79.098	0.000	0.000	0.0000	2
178	D9	G8	120.400	0.000	0.000	0.0000	2
179	F8	F9	72.000	0.000	0.000	0.0000	4
181	H8	G9	86.533	0.000	0.000	0.0000	2
182	H8	H9	72.000	0.000	0.000	0.0000	4
184	J8	I9	86.533	0.000	0.000	0.0000	2
185	J8	J9	72.000	0.000	0.000	0.0000	4
187	L8	K9	86.533	0.000	0.000	0.0000	2
188	L8	L9	72.000	0.000	0.000	0.0000	4
189	M8	M9	72.000	0.000	0.000	0.0000	4
191	P8	P9	72.000	0.000	0.000	0.0000	4
192	4	M9	39.906	0.000	0.000	0.0000	2
193	4	N9	39.906	0.000	0.000	0.0000	2
194	D9	E9	15.750	0.000	0.000	0.0000	2
195	E9	F9	32.750	0.000	0.000	0.0000	2
196	F9	G9	48.000	0.000	0.000	0.0000	2
197	G9	H9	48.000	0.000	0.000	0.0000	2
198	H9	I9	48.000	0.000	0.000	0.0000	2
199	I9	J9	48.000	0.000	0.000	0.0000	2
200	J9	K9	48.000	0.000	0.000	0.0000	2
201	K9	L9	48.000	0.000	0.000	0.0000	2
202	L9	M9	48.000	0.000	0.000	0.0000	2
203	M9	N9	34.437	0.000	0.000	0.0000	2
204	N9	P9	88.563	0.000	0.000	0.0000	2
205	H9	I10	49.604	0.000	0.000	0.0000	2
207	J9	J10	25.025	0.000	0.000	0.0000	4
208	I10	J10	49.604	0.000	0.000	0.0000	2
210	L9	L10	50.050	0.000	0.000	0.0000	4
211	J10	K10	49.604	0.000	0.000	0.0000	2
212	M9	M10	62.562	0.000	0.000	0.0000	4
214	K10	L10	49.604	0.000	0.000	0.0000	2
215	P9	P10	94.625	0.000	0.000	0.0000	4
216	L10	M10	49.604	0.000	0.000	0.0000	2
217	M10	N10	35.588	0.000	0.000	0.0000	2
218	N10	P10	91.522	0.000	0.000	0.0000	2
219	N2	N1C	17.539	0.000	0.000	0.0000	4
220	N1C	N1B	24.000	0.000	0.000	0.0000	4
221	N1B	N1A	24.000	0.000	0.000	0.0000	4
222	N1A	N1	6.000	0.000	0.000	0.0000	4
223	K2	K1B	9.537	0.000	0.000	0.0000	4
224	K1B	K1A	24.000	0.000	0.000	0.0000	4
225	K1A	K1	4.000	0.000	0.000	0.0000	4
226	I2	I1A	8.512	0.000	0.000	0.0000	4
227	I1A	I1	4.000	0.000	0.000	0.0000	4
228	E2	E2A	36.000	0.000	0.000	0.0000	4
229	E2A	E2B	24.000	0.000	0.000	0.0000	4
230	E2B	E3	12.000	0.000	0.000	0.0000	4
231	G2	G2A	15.000	0.000	0.000	0.0000	4

232	G2A	G2B	24.000	0.000	0.000	0.0000	4
233	G2B	G2C	24.000	0.000	0.000	0.0000	4
234	G2C	G3	9.000	0.000	0.000	0.0000	4
235	I2	I2A	15.488	0.000	0.000	0.0000	4
236	I2A	I2B	24.000	0.000	0.000	0.0000	4
237	I2B	I2C	24.000	0.000	0.000	0.0000	4
238	I2C	I3	8.512	0.000	0.000	0.0000	4
239	K2	K2A	14.463	0.000	0.000	0.0000	4
240	K2A	K2B	24.000	0.000	0.000	0.0000	4
241	K2B	K2C	24.000	0.000	0.000	0.0000	4
242	K2C	K3	9.537	0.000	0.000	0.0000	4
243	N2	N2A	6.461	0.000	0.000	0.0000	4
244	N2A	N2B	24.000	0.000	0.000	0.0000	4
245	N2B	N2C	24.000	0.000	0.000	0.0000	4
246	N2C	N3	17.539	0.000	0.000	0.0000	4
247	E3	E3A	12.000	0.000	0.000	0.0000	4
248	E3A	E3B	24.000	0.000	0.000	0.0000	4
249	E3B	E3C	24.000	0.000	0.000	0.0000	4
250	E3C	E4	12.000	0.000	0.000	0.0000	4
251	G3	G3A	15.000	0.000	0.000	0.0000	4
252	G3A	G3B	24.000	0.000	0.000	0.0000	4
253	G3B	G3C	24.000	0.000	0.000	0.0000	4
254	G3C	G4	9.000	0.000	0.000	0.0000	4
255	I3	I3A	15.488	0.000	0.000	0.0000	4
256	I3A	I3B	24.000	0.000	0.000	0.0000	4
257	I3B	I3C	24.000	0.000	0.000	0.0000	4
258	I3C	I4	8.512	0.000	0.000	0.0000	4
259	K3	K3A	14.463	0.000	0.000	0.0000	4
261	E4	E4A	12.000	0.000	0.000	0.0000	4
262	E4A	E4B	30.000	0.000	0.000	0.0000	4
263	E4B	E5	30.000	0.000	0.000	0.0000	4
264	G4	G4A	26.000	0.000	0.000	0.0000	4
265	G4A	G5	46.000	0.000	0.000	0.0000	4
266	I4	I4A	12.000	0.000	0.000	0.0000	4
267	I4A	I5	60.000	0.000	0.000	0.0000	4
268	E6	E6A	30.000	0.000	0.000	0.0000	4
269	E6A	E6B	30.000	0.000	0.000	0.0000	4
270	E6B	E7	12.000	0.000	0.000	0.0000	4
271	G6	G6A	46.000	0.000	0.000	0.0000	4
272	G6A	G7	26.000	0.000	0.000	0.0000	4
273	E7	E7A	12.000	0.000	0.000	0.0000	4
274	E7A	E7B	24.000	0.000	0.000	0.0000	4
275	E7B	E7C	24.000	0.000	0.000	0.0000	4
276	E7C	E8	12.000	0.000	0.000	0.0000	4
277	G7	G7A	9.000	0.000	0.000	0.0000	4
278	G7A	G7B	24.000	0.000	0.000	0.0000	4
279	G7B	G7C	24.000	0.000	0.000	0.0000	4
280	G7C	G8	15.000	0.000	0.000	0.0000	4
281	I7	I7A	8.512	0.000	0.000	0.0000	4
284	K7B	K8	14.463	0.000	0.000	0.0000	4
285	E8	E8A	12.000	0.000	0.000	0.0000	4
286	E8A	E8B	24.000	0.000	0.000	0.0000	4
287	E8B	E9	36.000	0.000	0.000	0.0000	4
288	G8	G8A	9.000	0.000	0.000	0.0000	4
289	G8A	G8B	24.000	0.000	0.000	0.0000	4
290	G8B	G8C	24.000	0.000	0.000	0.0000	4
291	G8C	G9	15.000	0.000	0.000	0.0000	4
292	I8	I8A	8.512	0.000	0.000	0.0000	4
293	I8A	I8B	24.000	0.000	0.000	0.0000	4
294	I8B	I8C	24.000	0.000	0.000	0.0000	4
295	I8C	I9	15.488	0.000	0.000	0.0000	4
296	K8	K8A	9.537	0.000	0.000	0.0000	4
297	K8A	K8B	24.000	0.000	0.000	0.0000	4

298	K8B	K8C	24.000	0.000	0.000	0.0000	4
299	K8C	K9	14.463	0.000	0.000	0.0000	4
300	N8	N8A	17.539	0.000	0.000	0.0000	4
301	N8A	N8B	24.000	0.000	0.000	0.0000	4
302	N8B	N8C	24.000	0.000	0.000	0.0000	4
303	N8C	N9	6.461	0.000	0.000	0.0000	4
304	I9	I9A	8.512	0.000	0.000	0.0000	4
305	I9A	I10	4.000	0.000	0.000	0.0000	4
306	K9	K9A	9.537	0.000	0.000	0.0000	4
307	K9A	K9B	24.000	0.000	0.000	0.0000	4
308	K9B	K10	4.000	0.000	0.000	0.0000	4
309	N9	N9A	17.539	0.000	0.000	0.0000	4
310	N9A	N9B	24.000	0.000	0.000	0.0000	4
311	N9B	N9C	24.000	0.000	0.000	0.0000	4
312	N9C	N10	6.000	0.000	0.000	0.0000	4

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F R A M E E L E M E N T D A T A

ELEMENT LABEL	SECTION LABEL	LOCAL PLANE	COORD SYSTEM	PLN 1ST	PLN 2ND	PLANE JOINTA	PLANE JOINTB	COORD ANGLE
1	2X2X4	12	0	+Z	+X	0	0	0.00
2	2X2X4	12	0	+Z	+X	0	0	0.00
3	2X2X4	12	0	+Z	+X	0	0	0.00
4	2X2X6	12	0	+Z	+X	0	0	0.00
5	2X2X4	12	0	+Z	+X	0	0	0.00
6	2X2X4	12	0	+Z	+X	0	0	0.00
7	2X2X4	12	0	+Z	+X	0	0	0.00
8	2X2X4	12	0	+Z	+X	0	0	0.00
9	2X2X4	12	0	+Z	+X	0	0	0.00
10	2X2X4	12	0	+Z	+X	0	0	0.00
11	2X2X4	12	0	+Z	+X	0	0	0.00
12	2X2X4	12	0	+Z	+X	0	0	0.00
13	2X2X4	12	0	+Z	+X	0	0	0.00
14	2X2X4	12	0	+Z	+X	0	0	0.00
15	2X4X4	12	0	+Z	+X	0	0	0.00
16	2X4X4	12	0	+Z	+X	0	0	0.00
17	2X4X4	12	0	+Z	+X	0	0	0.00
18	2X4X4	12	0	+Z	+X	0	0	0.00
19	4X4	12	0	+Z	+X	0	0	0.00
20	4X4	12	0	+Z	+X	0	0	0.00
21	4X4	12	0	+Z	+X	0	0	0.00
22	4X4	12	0	+Z	+X	0	0	0.00
23	4X4	12	0	+Z	+X	0	0	0.00
24	4X4	12	0	+Z	+X	0	0	0.00
25	4X4	12	0	+Z	+X	0	0	0.00
26	4X4	12	0	+Z	+X	0	0	0.00
27	4X4	12	0	+Z	+X	0	0	0.00
28	2X2X4	12	0	+Z	+X	0	0	0.00
29	2X2X4	12	0	+Z	+X	0	0	0.00
30	4X4	12	0	+Z	+X	0	0	0.00
31	2X2X4	12	0	+Z	+X	0	0	0.00
32	2X2X4	12	0	+Z	+X	0	0	0.00
33	2X2X4	12	0	+Z	+X	0	0	0.00
34	2X2X4	12	0	+Z	+X	0	0	0.00
35	2X2X4	12	0	+Z	+X	0	0	0.00
36	2X2X4	12	0	+Z	+X	0	0	0.00
37	2X2X4	12	0	+Z	+X	0	0	0.00

38	2X2X4	12	0	+Z	+X	0	0	0.00
39	2X2X4	12	0	+Z	+X	0	0	0.00
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46	4X4	12	0	+Z	+X	0	0	0.00
47	4X4	12	0	+Z	+X	0	0	0.00
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49	4X4	12	0	+Z	+X	0	0	0.00
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52	4X4	12	0	+Z	+X	0	0	0.00
53	4X4	12	0	+Z	+X	0	0	0.00
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63	2X2X4	12	0	+Z	+X	0	0	0.00
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133	4X6	12	0	+Z	+X	0	0	0.00
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137	2X2X6	12	0	+Z	+X	0	0	0.00
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159	2X2X6	12	0	+Z	+X	0	0	0.00
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219	2X2X6	12	0	+Z	+X	0	0	0.00
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310	2X2X6	12	0	+Z	+X	0	0	0.00
311	2X2X6	12	0	+Z	+X	0	0	0.00

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     312   2X2X6     12       0  +Z  +X       0       0    0.00

C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE   19
                                PROGRAM:SAP2000/FILE:\PartitionBentSeismic.EKO

 F R A M E   E L E M E N T   D A T A

 ELEMENT       END-I RELEASE CODES          END-J RELEASE CODES
   LABEL

       1                      R2  R3                       R2  R3
       2                      R2  R3                       R2  R3
       3                      R2  R3                       R2  R3
       4                      R2  R3                       R2  R3
       5                      R2  R3                       R2  R3
       6                      R2  R3
       7                      R2  R3                       R2  R3
       8                      R2  R3                       R2  R3
       9                      R2  R3                       R2  R3
      10                      R2  R3                       R2  R3
      11                                                   R2  R3
      12                      R2  R3                       R2  R3
      13                      R2  R3                       R2  R3
      18                      R2  R3                       R2  R3
      19                      R2  R3                       R2  R3
      20                      R2  R3                       R2  R3
      21                      R2  R3                       R2  R3
      22                      R2  R3                       R2  R3
      23                      R2  R3                       R2  R3
      24                      R2  R3                       R2  R3
      25                      R2  R3                       R2  R3
      26                      R2  R3                       R2  R3
      27                      R2  R3                       R2  R3
      29                      R2  R3                       R2  R3
      30                      R2  R3                       R2  R3
      31                      R2  R3                       R2  R3
      32                                                   R2  R3
      33                      R2  R3                       R2  R3
      34                      R2  R3                       R2  R3
      36                      R2  R3                       R2  R3
      37                      R2  R3                       R2  R3
      38                                                   R2  R3
      39                      R2  R3                       R2  R3
      40                      R2  R3                       R2  R3
      41                      R2  R3                       R2  R3
      42                      R2  R3
      43                      R2  R3                       R2  R3
      44                      R2  R3                       R2  R3
      45                      R2  R3                       R2  R3
      46                      R2  R3                       R2  R3
      47                      R2  R3                       R2  R3
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      55                      R2  R3                       R2  R3
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      57                      R2  R3                       R2  R3
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67			R2	R3
68	R2	R3		
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70	R2	R3	R2	R3
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105	R2	R3	R2	R3
106	R2	R3	R2	R3
107	R2	R3	R2	R3
108	R2	R3	R2	R3
109	R2	R3	R2	R3
110	R2	R3	R2	R3
111	R2	R3	R2	R3
112	R2	R3	R2	R3
113	R2	R3	R2	R3
114	R2	R3	R2	R3
115	R2	R3	R2	R3
116	R2	R3	R2	R3
117	R2	R3	R2	R3
118	R2	R3	R2	R3
119	R2	R3	R2	R3
120	R2	R3	R2	R3
121	R2	R3	R2	R3
122	R2	R3	R2	R3
123	R2	R3	R2	R3
124	R2	R3	R2	R3
125	R2	R3	R2	R3
126	R2	R3	R2	R3

127	R2	R3	R2	R3
128	R2	R3	R2	R3
131	R2	R3	R2	R3
133	R2	R3	R2	R3
134	R2	R3	R2	R3
135	R2	R3	R2	R3
136	R2	R3	R2	R3
137	R2	R3	R2	R3
138	R2	R3	R2	R3
141	R2	R3	R2	R3
142	R2	R3	R2	R3
143	R2	R3	R2	R3
144	R2	R3	R2	R3
145	R2	R3	R2	R3
146	R2	R3	R2	R3
147	R2	R3	R2	R3
148	R2	R3	R2	R3
149	R2	R3	R2	R3
150	R2	R3	R2	R3
151	R2	R3	R2	R3
154	R2	R3	R2	R3
158	R2	R3	R2	R3
159	R2	R3	R2	R3
160	R2	R3	R2	R3
161	R2	R3	R2	R3
162	R2	R3	R2	R3
163	R2	R3	R2	R3
164	R2	R3	R2	R3
165	R2	R3	R2	R3
166	R2	R3	R2	R3
167	R2	R3	R2	R3
168	R2	R3	R2	R3
169	R2	R3	R2	R3
170	R2	R3	R2	R3
171	R2	R3	R2	R3
172	R2	R3	R2	R3
173	R2	R3	R2	R3
174	R2	R3	R2	R3
175	R2	R3	R2	R3
177	R2	R3	R2	R3
178	R2	R3	R2	R3
179	R2	R3	R2	R3
181	R2	R3	R2	R3
182	R2	R3	R2	R3
184	R2	R3	R2	R3
185	R2	R3	R2	R3
187	R2	R3	R2	R3
188	R2	R3	R2	R3
189	R2	R3	R2	R3
191	R2	R3	R2	R3
192	R2	R3	R2	R3
193	R2	R3	R2	R3
197	R2	R3	R2	R3
198	R2	R3	R2	R3
199	R2	R3	R2	R3
200	R2	R3	R2	R3
201	R2	R3	R2	R3
202	R2	R3	R2	R3
203	R2	R3	R2	R3
204	R2	R3	R2	R3
205	R2	R3	R2	R3
208	R2	R3	R2	R3
210	R2	R3	R2	R3

211	R2 R3	R2 R3
212	R2 R3	R2 R3
214	R2 R3	R2 R3
215	R2 R3	R2 R3
216	R2 R3	R2 R3
217	R2 R3	R2 R3
218	R2 R3	R2 R3
219	R2 R3	
222		R2 R3
223	R2 R3	
225		R2 R3
226	R2 R3	
227		R2 R3
228	R2 R3	
230		R2 R3
231	R2 R3	
234		R2 R3
235	R2 R3	
238		R2 R3
239	R2 R3	
242		R2 R3
243	R2 R3	
246		R2 R3
247	R2 R3	
250		R2 R3
251	R2 R3	
254		R2 R3
255	R2 R3	
258		R2 R3
259	R2 R3	
261	R2 R3	
263		R2 R3
264	R2 R3	
265		R2 R3
266	R2 R3	
267		R2 R3
268	R2 R3	
270		R2 R3
271	R2 R3	
272		R2 R3
273	R2 R3	
276		R2 R3
277	R2 R3	
280		R2 R3
281	R2 R3	
284		R2 R3
285	R2 R3	
287		R2 R3
288	R2 R3	
291		R2 R3
292	R2 R3	
295		R2 R3
296	R2 R3	
299		R2 R3
300	R2 R3	
303		R2 R3
304	R2 R3	
305		R2 R3
306	R2 R3	
308		R2 R3
309	R2 R3	
312		R2 R3

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 20
PROGRAM:SAP2000/FILE:\PartitionBentSeismic.EKO

T O T A L W E I G H T S A N D M A S S E S

SECTION LABEL	WEIGHT	MASS
4X4	1559.0651	4.0349
2X2X4	1120.5891	2.9001
2X2X6	299.5447	0.7752
4X6	171.1111	0.4428
2X4X4	131.1204	0.3393
TOTAL	3281.4304	8.4924

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 21
PROGRAM:SAP2000/FILE:\PartitionBentSeismic.EKO

L O A D C O N D I T I O N DEAD

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.1000E+01

L O A D C O N D I T I O N MANIFOLD

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
N2	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N3	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N8	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00
N9	0.000E+00	0.000E+00	-0.379E+04	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N TBAR

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
E2A	0.000E+00	0.000E+00	-0.620E+02	0.000E+00	0.000E+00	0.000E+00
E2B	0.000E+00	0.000E+00	-0.106E+03	0.000E+00	0.000E+00	0.000E+00
E3A	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
E3B	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
E3C	0.000E+00	0.000E+00	-0.780E+02	0.000E+00	0.000E+00	0.000E+00
E4A	0.000E+00	0.000E+00	-0.780E+02	0.000E+00	0.000E+00	0.000E+00
E6B	0.000E+00	0.000E+00	-0.780E+02	0.000E+00	0.000E+00	0.000E+00
E7A	0.000E+00	0.000E+00	-0.780E+02	0.000E+00	0.000E+00	0.000E+00
E7B	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
E7C	0.000E+00	0.000E+00	-0.920E+02	0.000E+00	0.000E+00	0.000E+00
E8A	0.000E+00	0.000E+00	-0.106E+03	0.000E+00	0.000E+00	0.000E+00
E8B	0.000E+00	0.000E+00	-0.620E+02	0.000E+00	0.000E+00	0.000E+00
G2A	0.000E+00	0.000E+00	-0.135E+03	0.000E+00	0.000E+00	0.000E+00

G2B	0.000E+00	0.000E+00	-0.231E+03	0.000E+00	0.000E+00	0.000E+00
G2C	0.000E+00	0.000E+00	-0.201E+03	0.000E+00	0.000E+00	0.000E+00
G3A	0.000E+00	0.000E+00	-0.201E+03	0.000E+00	0.000E+00	0.000E+00
G3B	0.000E+00	0.000E+00	-0.172E+03	0.000E+00	0.000E+00	0.000E+00
G3C	0.000E+00	0.000E+00	-0.172E+03	0.000E+00	0.000E+00	0.000E+00
G7A	0.000E+00	0.000E+00	-0.172E+03	0.000E+00	0.000E+00	0.000E+00
G7B	0.000E+00	0.000E+00	-0.172E+03	0.000E+00	0.000E+00	0.000E+00
G7C	0.000E+00	0.000E+00	-0.201E+03	0.000E+00	0.000E+00	0.000E+00
G8A	0.000E+00	0.000E+00	-0.201E+03	0.000E+00	0.000E+00	0.000E+00
G8B	0.000E+00	0.000E+00	-0.231E+03	0.000E+00	0.000E+00	0.000E+00
G8C	0.000E+00	0.000E+00	-0.135E+03	0.000E+00	0.000E+00	0.000E+00
I1A	0.000E+00	0.000E+00	-0.146E+03	0.000E+00	0.000E+00	0.000E+00
I2A	0.000E+00	0.000E+00	-0.251E+03	0.000E+00	0.000E+00	0.000E+00
I2B	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
I2C	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
I3A	0.000E+00	0.000E+00	-0.187E+03	0.000E+00	0.000E+00	0.000E+00
I3B	0.000E+00	0.000E+00	-0.187E+03	0.000E+00	0.000E+00	0.000E+00
I7B	0.000E+00	0.000E+00	-0.187E+03	0.000E+00	0.000E+00	0.000E+00
I7C	0.000E+00	0.000E+00	-0.187E+03	0.000E+00	0.000E+00	0.000E+00
I8A	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
I8B	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
I8C	0.000E+00	0.000E+00	-0.251E+03	0.000E+00	0.000E+00	0.000E+00
I9A	0.000E+00	0.000E+00	-0.146E+03	0.000E+00	0.000E+00	0.000E+00
K1A	0.000E+00	0.000E+00	-0.172E+03	0.000E+00	0.000E+00	0.000E+00
K1B	0.000E+00	0.000E+00	-0.295E+03	0.000E+00	0.000E+00	0.000E+00
K2A	0.000E+00	0.000E+00	-0.257E+03	0.000E+00	0.000E+00	0.000E+00
K2B	0.000E+00	0.000E+00	-0.257E+03	0.000E+00	0.000E+00	0.000E+00
K2C	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
K3A	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
K7B	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
K8A	0.000E+00	0.000E+00	-0.219E+03	0.000E+00	0.000E+00	0.000E+00
K8B	0.000E+00	0.000E+00	-0.257E+03	0.000E+00	0.000E+00	0.000E+00
K8C	0.000E+00	0.000E+00	-0.257E+03	0.000E+00	0.000E+00	0.000E+00
K9A	0.000E+00	0.000E+00	-0.295E+03	0.000E+00	0.000E+00	0.000E+00
K9B	0.000E+00	0.000E+00	-0.172E+03	0.000E+00	0.000E+00	0.000E+00
N1A	0.000E+00	0.000E+00	-0.990E+02	0.000E+00	0.000E+00	0.000E+00
N1B	0.000E+00	0.000E+00	-0.169E+03	0.000E+00	0.000E+00	0.000E+00
N1C	0.000E+00	0.000E+00	-0.147E+03	0.000E+00	0.000E+00	0.000E+00
N2A	0.000E+00	0.000E+00	-0.147E+03	0.000E+00	0.000E+00	0.000E+00
N2B	0.000E+00	0.000E+00	-0.126E+03	0.000E+00	0.000E+00	0.000E+00
N2C	0.000E+00	0.000E+00	-0.126E+03	0.000E+00	0.000E+00	0.000E+00
N8A	0.000E+00	0.000E+00	-0.126E+03	0.000E+00	0.000E+00	0.000E+00
N8B	0.000E+00	0.000E+00	-0.126E+03	0.000E+00	0.000E+00	0.000E+00
N8C	0.000E+00	0.000E+00	-0.147E+03	0.000E+00	0.000E+00	0.000E+00
N9A	0.000E+00	0.000E+00	-0.147E+03	0.000E+00	0.000E+00	0.000E+00
N9B	0.000E+00	0.000E+00	-0.169E+03	0.000E+00	0.000E+00	0.000E+00
N9C	0.000E+00	0.000E+00	-0.990E+02	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N TOPCOVER

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
P1	0.000E+00	0.000E+00	-0.873E+03	0.000E+00	0.000E+00	0.000E+00
P2	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00
P3	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00
P4	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00
P5	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00
P6	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00

P7	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00
P8	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00
P9	0.000E+00	0.000E+00	-0.175E+04	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.873E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N PEWALLS

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
E2	0.000E+00	0.000E+00	-0.480E+02	0.000E+00	0.000E+00	0.000E+00
E3	0.000E+00	0.000E+00	-0.970E+02	0.000E+00	0.000E+00	0.000E+00
E4	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
E5	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
E6	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
E7	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
E8	0.000E+00	0.000E+00	-0.970E+02	0.000E+00	0.000E+00	0.000E+00
E9	0.000E+00	0.000E+00	-0.480E+02	0.000E+00	0.000E+00	0.000E+00
F2	0.000E+00	0.000E+00	-0.119E+03	0.000E+00	0.000E+00	0.000E+00
F3	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
F8	0.000E+00	0.000E+00	-0.238E+03	0.000E+00	0.000E+00	0.000E+00
F9	0.000E+00	0.000E+00	-0.119E+03	0.000E+00	0.000E+00	0.000E+00
G2	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
G3	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
G4	0.000E+00	0.000E+00	-0.521E+03	0.000E+00	0.000E+00	0.000E+00
G5	0.000E+00	0.000E+00	-0.521E+03	0.000E+00	0.000E+00	0.000E+00
G6	0.000E+00	0.000E+00	-0.521E+03	0.000E+00	0.000E+00	0.000E+00
G7	0.000E+00	0.000E+00	-0.521E+03	0.000E+00	0.000E+00	0.000E+00
G8	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
G9	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
H2	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
H3	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
H8	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
H9	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
I2	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
I3	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
I4	0.000E+00	0.000E+00	-0.566E+03	0.000E+00	0.000E+00	0.000E+00
I5	0.000E+00	0.000E+00	-0.566E+03	0.000E+00	0.000E+00	0.000E+00
I6	0.000E+00	0.000E+00	-0.566E+03	0.000E+00	0.000E+00	0.000E+00
I7	0.000E+00	0.000E+00	-0.566E+03	0.000E+00	0.000E+00	0.000E+00
I8	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
I9	0.000E+00	0.000E+00	-0.142E+03	0.000E+00	0.000E+00	0.000E+00
J2	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
J3	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
J8	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
J9	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
K2	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
K3	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
K4	0.000E+00	0.000E+00	-0.566E+03	0.000E+00	0.000E+00	0.000E+00
K5	0.000E+00	0.000E+00	-0.566E+03	0.000E+00	0.000E+00	0.000E+00
K6	0.000E+00	0.000E+00	-0.566E+03	0.000E+00	0.000E+00	0.000E+00
K7	0.000E+00	0.000E+00	-0.566E+03	0.000E+00	0.000E+00	0.000E+00
K8	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
K9	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
L2	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
L3	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
L8	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
L9	0.000E+00	0.000E+00	-0.283E+03	0.000E+00	0.000E+00	0.000E+00
M1	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00

M2	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
M3	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
M4	0.000E+00	0.000E+00	-0.646E+03	0.000E+00	0.000E+00	0.000E+00
M5	0.000E+00	0.000E+00	-0.646E+03	0.000E+00	0.000E+00	0.000E+00
M6	0.000E+00	0.000E+00	-0.646E+03	0.000E+00	0.000E+00	0.000E+00
M7	0.000E+00	0.000E+00	-0.646E+03	0.000E+00	0.000E+00	0.000E+00
M8	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
M9	0.000E+00	0.000E+00	-0.240E+03	0.000E+00	0.000E+00	0.000E+00
N3	0.000E+00	0.000E+00	-0.122E+03	0.000E+00	0.000E+00	0.000E+00
N8	0.000E+00	0.000E+00	-0.122E+03	0.000E+00	0.000E+00	0.000E+00
P3	0.000E+00	0.000E+00	-0.181E+03	0.000E+00	0.000E+00	0.000E+00
P4	0.000E+00	0.000E+00	-0.363E+03	0.000E+00	0.000E+00	0.000E+00
P5	0.000E+00	0.000E+00	-0.363E+03	0.000E+00	0.000E+00	0.000E+00
P6	0.000E+00	0.000E+00	-0.363E+03	0.000E+00	0.000E+00	0.000E+00
P7	0.000E+00	0.000E+00	-0.363E+03	0.000E+00	0.000E+00	0.000E+00
P8	0.000E+00	0.000E+00	-0.181E+03	0.000E+00	0.000E+00	0.000E+00
M10	0.000E+00	0.000E+00	-0.120E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N HOTBASIN

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
N1	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N2	0.000E+00	0.000E+00	-0.166E+04	0.000E+00	0.000E+00	0.000E+00
N3	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N8	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00
N9	0.000E+00	0.000E+00	-0.166E+04	0.000E+00	0.000E+00	0.000E+00
N10	0.000E+00	0.000E+00	-0.828E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N DRIFTELM

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
E4B	0.000E+00	0.000E+00	-0.780E+02	0.000E+00	0.000E+00	0.000E+00
E6A	0.000E+00	0.000E+00	-0.780E+02	0.000E+00	0.000E+00	0.000E+00
G4A	0.000E+00	0.000E+00	-0.114E+03	0.000E+00	0.000E+00	0.000E+00
G6A	0.000E+00	0.000E+00	-0.114E+03	0.000E+00	0.000E+00	0.000E+00
I3C	0.000E+00	0.000E+00	-0.620E+02	0.000E+00	0.000E+00	0.000E+00
I4A	0.000E+00	0.000E+00	-0.620E+02	0.000E+00	0.000E+00	0.000E+00
I6A	0.000E+00	0.000E+00	-0.620E+02	0.000E+00	0.000E+00	0.000E+00
I7A	0.000E+00	0.000E+00	-0.620E+02	0.000E+00	0.000E+00	0.000E+00
K3B	0.000E+00	0.000E+00	-0.146E+03	0.000E+00	0.000E+00	0.000E+00
K7A	0.000E+00	0.000E+00	-0.146E+03	0.000E+00	0.000E+00	0.000E+00
M3A	0.000E+00	0.000E+00	-0.840E+02	0.000E+00	0.000E+00	0.000E+00
M7A	0.000E+00	0.000E+00	-0.840E+02	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N FANMOTOR

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

L O A D C O N D I T I O N CABLETRY

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
P9	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.180E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N LOUVERWL

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

JOINT FORCES IN LOCAL COORDINATES

JOINT LABEL	FORCE 1	FORCE 2	FORCE 3	MOMENT 1	MOMENT 2	MOMENT 3
D2	0.000E+00	0.000E+00	-0.240E+02	0.000E+00	0.000E+00	0.000E+00
D9	0.000E+00	0.000E+00	-0.240E+02	0.000E+00	0.000E+00	0.000E+00
E2	0.000E+00	0.000E+00	-0.730E+02	0.000E+00	0.000E+00	0.000E+00
E9	0.000E+00	0.000E+00	-0.730E+02	0.000E+00	0.000E+00	0.000E+00
F2	0.000E+00	0.000E+00	-0.122E+03	0.000E+00	0.000E+00	0.000E+00
F9	0.000E+00	0.000E+00	-0.122E+03	0.000E+00	0.000E+00	0.000E+00
G2	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
G9	0.000E+00	0.000E+00	-0.145E+03	0.000E+00	0.000E+00	0.000E+00
H2	0.000E+00	0.000E+00	-0.206E+03	0.000E+00	0.000E+00	0.000E+00
H9	0.000E+00	0.000E+00	-0.206E+03	0.000E+00	0.000E+00	0.000E+00
I1	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
J1	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
K1	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
L1	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
M1	0.000E+00	0.000E+00	-0.127E+03	0.000E+00	0.000E+00	0.000E+00
N1	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
P1	0.000E+00	0.000E+00	-0.140E+03	0.000E+00	0.000E+00	0.000E+00
I10	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
J10	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
K10	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
L10	0.000E+00	0.000E+00	-0.150E+03	0.000E+00	0.000E+00	0.000E+00
M10	0.000E+00	0.000E+00	-0.127E+03	0.000E+00	0.000E+00	0.000E+00
N10	0.000E+00	0.000E+00	-0.192E+03	0.000E+00	0.000E+00	0.000E+00
P10	0.000E+00	0.000E+00	-0.140E+03	0.000E+00	0.000E+00	0.000E+00

L O A D C O N D I T I O N SECDIST

SELF-WEIGHT MULTIPLIER FOR ENTIRE STRUCTURE = 0.0000E+00

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F U N C T I O N D A T A

FUNCTION LABEL = 5DAMP
TIME INCREMENT = 0.000

TIME	VALUE	TIME	VALUE	TIME	VALUE	TIME	VALUE
0.010	0.813E-01	0.011	0.822E-01	0.012	0.830E-01	0.013	0.839E-01
0.014	0.848E-01	0.015	0.858E-01	0.016	0.865E-01	0.017	0.877E-01
0.019	0.887E-01	0.020	0.897E-01	0.022	0.907E-01	0.024	0.917E-01
0.026	0.927E-01	0.029	0.942E-01	0.033	0.958E-01	0.037	0.972E-01

0.041	0.985E-01	0.045	0.996E-01	0.050	0.101E+00	0.055	0.103E+00
0.062	0.104E+00	0.068	0.105E+00	0.074	0.106E+00	0.082	0.108E+00
0.090	0.109E+00	0.098	0.110E+00	0.106	0.111E+00	0.117	0.112E+00
0.129	0.113E+00	0.142	0.114E+00	0.155	0.114E+00	0.168	0.114E+00
0.181	0.115E+00	0.197	0.114E+00	0.216	0.114E+00	0.238	0.114E+00
0.258	0.113E+00	0.279	0.112E+00	0.302	0.110E+00	0.329	0.109E+00
0.355	0.107E+00	0.381	0.106E+00	0.410	0.104E+00	0.439	0.102E+00
0.466	0.998E-01	0.493	0.974E-01	0.522	0.947E-01	0.550	0.924E-01
0.582	0.897E-01	0.614	0.868E-01	0.649	0.844E-01	0.681	0.813E-01
0.714	0.790E-01	0.753	0.763E-01	0.787	0.737E-01	0.824	0.714E-01
0.865	0.685E-01	0.906	0.659E-01	0.946	0.637E-01	0.979	0.614E-01

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M O D E S D A T A

NUMBER OF EIGENVALUES	1000
EIGEN CONVERGENCE TOLERANCE	0.1000E-04
EIGEN CUTOFF FREQUENCY	0.3300E+02
EIGEN FREQUENCY SHIFT	0.0000E+00
INCLUDE RESIDUAL-MASS MODES	YES

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 24
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R E S P O N S E S P E C T R U M D A T A

SPEC LABEL	HORIZ	ACC DIR	FUNCTION FACTOR	FUNCTION LABEL
DAMPING RATIO	0.050	U1	772.80	5DAMP
DIRECTION FACTOR	0.000	U2	0.00	0
MODAL COMBINATION	CQC	U3	0.00	0
COORDINATE SYSTEM	0			
COORDINATE ANGLE	0			

C S I / S A P 2 0 0 0 - FINITE ELEMENT ANALYSIS OF STRUCTURES PAGE 25
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L O A D C O M B I N A T I O N M U L T I P L I E R S

COMBO LABEL DEADLOAD
COMBO TYPE ABS

LOAD LABEL	MODE NUM	SPEC LABEL	HIST LABEL	MOVE LABEL	COMBO LABEL	SCALE FACTOR
DEAD						1.000
MANIFOLD						1.000
TBAR						1.000
TOPCOVER						1.000
PEWALLS						1.000
HOTBASIN						1.000
DRIFTELM						1.000
FANMOTOR						1.000
CABLETRY						1.000
LOUVERWL						1.000

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              SECDIST                                        1.000

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 O U T P U T   S E L E C T I O N

 DISPLACEMENTS AT JOINTS

      LOAD     MODES      SPEC      HIST      MOVE      COMB
     LABEL               LABEL     LABEL     LABEL     LABEL

                         HORIZ

 REACTIONS AT JOINTS

      LOAD     MODES      SPEC      HIST      MOVE      COMB
     LABEL               LABEL     LABEL     LABEL     LABEL

                         HORIZ

 INTERNAL FORCES AT ELEMENT FRAME

      LOAD     MODES      SPEC      HIST      MOVE      COMB
     LABEL               LABEL     LABEL     LABEL     LABEL

                         HORIZ

C S I  /  S A P 2 0 0 0  -  FINITE ELEMENT ANALYSIS OF STRUCTURES     PAGE   27
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 I N P U T   C O M P L E T E
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Program SAP2000 Nonlinear Version 7.40          File:Partition Bent Seismic.LOG


B E G I N   A N A L Y S I S                                2005/04/05  15:10:34

MAXIMUM MEMORY BLOCK SIZE (BYTES)         =       7.629 MB


E L E M E N T   F O R M A T I O N                                     15:10:34

NUMBER OF JOINT  ELEMENTS FORMED          =         156
NUMBER OF SPRING ELEMENTS FORMED          =         184
NUMBER OF FRAME  ELEMENTS FORMED          =         290
NUMBER OF CONSTRAINTS FORMED              =           2


E Q U A T I O N   S O L U T I O N                                     15:10:36

TOTAL NUMBER OF EQUILIBRIUM EQUATIONS     =         534
APPROXIMATE "EFFECTIVE" BAND WIDTH        =          26

NUMBER OF EQUATION STORAGE BLOCKS         =           1
MAXIMUM BLOCK SIZE (8-BYTE TERMS)         =       13955
SIZE OF STIFFNESS FILE(S) (BYTES)         =     111.125 KB

NUMBER OF EQUATIONS TO SOLVE              =         534
NUMBER OF STATIC LOAD CASES               =          11
NUMBER OF ACCELERATION LOADS              =           6
NUMBER OF NONLINEAR DEFORMATION LOADS     =           0


E I G E N   A N A L Y S I S                                           15:10:36

NUMBER OF STIFFNESS DEGREES OF FREEDOM    =         534
NUMBER OF MASS DEGREES OF FREEDOM         =         350
NUMBER OF EIGEN MODES SOUGHT              =         998
NUMBER OF RESIDUAL-MASS MODES SOUGHT      =           2
NUMBER OF SUBSPACE VECTORS USED           =          20

RELATIVE CONVERGENCE TOLERANCE            =    1.00E-05
FREQUENCY SHIFT  (CENTER) (CYC/TIME)      =     .000000
FREQUENCY CUTOFF (RADIUS) (CYC/TIME)      =   33.000000

* * * W A R N I N G * * *
NUMBER OF MODES SOUGHT REDUCED TO THE NUMBER OF MASS DEGREES OF FREEDOM


NUMBER OF EIGEN MODES FOUND               =          67
NUMBER OF ITERATIONS PERFORMED            =          60

NON-ZERO RESIDUAL-MASS MODES SOUGHT       =       UX,UZ
SIGNIFICANT RESIDUAL-MASS MODES FOUND     =       UX,UZ


R E S P O N S E - S P E C T R U M   A N A L Y S I S                   15:11:04

NUMBER OF SPEC ANALYSES PERFORMED         =           1


J O I N T   O U T P U T                                               15:11:04
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G L O B A L F O R C E B A L A N C E R E L A T I V E E R R O R S

PERCENT FORCE AND MOMENT ERROR AT THE ORIGIN, IN GLOBAL COORDINATES

LOAD	FX	FY	FZ	MX	MY	MZ
DEAD	2.36E-14	9.12E-32	2.08E-14	1.18E-14	3.92E-14	7.47E-15
MANIFOLD	2.89E-14	.000000	1.08E-13	3.27E-14	1.64E-13	9.24E-15
TBAR	5.36E-14	.000000	5.39E-14	1.84E-14	6.22E-14	1.71E-14
TOPCOVER	2.84E-14	.000000	5.78E-14	1.97E-14	9.77E-14	8.98E-15
PEWALLS	2.51E-14	.000000	1.79E-14	6.09E-15	2.06E-14	8.03E-15
HOTBASIN	4.08E-14	.000000	9.61E-14	3.04E-14	1.77E-13	1.31E-14
DRIFTELM	3.25E-16	.000000	1.04E-14	3.55E-15	1.58E-14	1.77E-16
FANMOTOR	.000000	.000000	.000000	.000000	.000000	.000000
CABLETRY	5.20E-13	.000000	2.37E-13	5.32E-14	7.87E-13	1.19E-13
LOUVERWL	2.86E-14	.000000	2.79E-14	9.51E-15	1.61E-13	9.16E-15
SECDIST	.000000	.000000	.000000	.000000	.000000	.000000

MODE	FX	FY	FZ	MX	MY	MZ
1	0.001087	.000000	0.004667	0.001068	0.004162	0.000249
2	0.008382	.000000	0.006320	0.001446	0.018117	0.001917
3	0.102628	.000000	0.080972	0.025870	0.117853	0.032789
4	0.003059	.000000	0.004408	0.001420	0.010514	0.000985
5	0.006172	.000000	0.005880	0.001345	0.009752	0.001412
6	0.003797	.000000	6.04E-05	1.93E-05	0.004261	0.001213
7	0.027392	.000000	0.030476	0.006971	0.045949	0.006266
8	0.006459	.000000	0.020384	0.006512	0.019863	0.002064
9	0.041685	.000000	0.050137	0.011469	0.064964	0.009535
10	0.000911	.000000	0.012028	0.003843	0.013158	0.000291
11	0.042721	.000000	0.248796	0.080137	0.239238	0.013760
12	0.001920	.000000	0.009644	0.003081	0.005562	0.000613
13	0.029610	.000000	0.066463	0.015203	0.025097	0.006773
14	0.007303	.000000	0.041650	0.013307	0.033180	0.002333
15	0.010005	.000000	0.074524	0.017047	0.019972	0.002289
16	0.002946	.000000	0.009502	0.003036	0.010115	0.000941
17	0.022546	.000000	0.068961	0.022032	0.089853	0.007203
18	0.000829	.000000	0.018550	0.005975	0.017528	0.000267
19	0.001652	.000000	0.005285	0.001702	0.004547	0.000532
20	1.77E-05	.000000	0.013461	0.004301	0.012480	5.67E-06
21	0.001825	.000000	0.019160	0.006171	0.012972	0.000588
22	0.031409	.000000	0.363012	0.083036	0.217945	0.007185
23	0.016212	.000000	0.044243	0.010120	0.077659	0.003708
24	0.025445	.000000	0.052974	0.016925	0.099789	0.008129
25	0.006349	.000000	0.022535	0.005155	0.005954	0.001452
26	0.006639	.000000	0.035422	0.008103	0.012307	0.001519
27	0.001918	.000000	0.035802	0.011438	0.045462	0.000613
28	0.202807	.000000	0.313967	0.071818	0.159220	0.046391
29	0.030517	.000000	0.041714	0.013327	0.013362	0.009750
30	0.164676	.000000	0.285074	0.065209	0.082611	0.037668
31	1.477556	.000000	0.840040	0.268385	0.824926	0.472065
32	0.192297	.000000	0.074243	0.023720	0.161756	0.061437
33	0.068617	.000000	0.038653	0.008842	0.044953	0.015696
34	1.203961	.000000	0.594062	0.164185	0.280909	0.332747
35	0.020834	.000000	0.110948	0.025379	0.018466	0.004766
36	0.066289	.000000	0.026375	0.008427	0.098785	0.021179
37	0.282048	.000000	0.162364	0.052297	0.237858	0.090847
38	8.509854	.000000	4.810572	1.304914	6.091315	2.308381
39	0.098269	.000000	0.021012	0.006713	0.065999	0.031396
40	0.062820	.000000	0.154726	0.035392	0.129084	0.014370
41	0.013765	.000000	0.041187	0.013159	0.026268	0.004398
42	0.100924	.000000	0.179495	0.053579	0.253622	0.030126
43	0.036787	.000000	0.521041	0.119184	0.382240	0.008415
44	0.004086	.000000	0.066454	0.021405	0.101869	0.001316
45	0.055632	.000000	0.175224	0.055982	0.131563	0.017774

46	0.054872	.000000	0.321983	0.073651	0.249264	0.012551
47	0.002476	.000000	0.039662	0.012672	0.012296	0.000791
48	0.007783	.000000	0.033859	0.010906	0.011212	0.002507
49	0.004682	.000000	0.108713	0.034733	0.109303	0.001496
50	0.057420	.000000	0.214261	0.049011	0.141758	0.013134
51	0.001689	.000000	0.248845	0.076658	0.120475	0.000520
52	0.029180	.000000	0.131947	0.030182	0.058322	0.006675
53	0.502986	.000000	0.493924	0.157804	2.000266	0.160699
54	0.019513	.000000	0.142696	0.045962	0.208650	0.006285
55	0.041383	.000000	0.504216	0.161092	0.353730	0.013222
56	0.009434	.000000	0.270271	0.087054	0.262520	0.003039
57	1.628408	.000000	11.085928	3.541851	8.027655	0.520261
58	0.028317	.000000	0.199582	0.064285	0.187981	0.009121
59	0.148658	.000000	0.353480	0.080856	0.053577	0.034004
60	0.055968	.000000	0.032099	0.010255	0.083543	0.017881
61	0.021315	.000000	0.109166	0.035162	0.244394	0.006865
62	0.285879	.000000	0.235202	0.075145	0.137557	0.091336
63	0.564957	.000000	0.011769	0.002692	0.711788	0.129230
64	0.056008	.000000	0.975051	0.241841	0.804713	0.013892
65	0.334560	.000000	2.836102	0.906108	2.587843	0.106889
66	0.063647	.000000	0.261905	0.083676	0.305569	0.020335
67	0.167186	.000000	0.279299	0.072823	0.123959	0.043591
68	22.965535	.000000	0.018853	0.006072	0.410056	7.397140
69	0.003946	.000000	14.388002	4.596834	13.227792	0.001261

SPEC	FX	FY	FZ	MX	MY	MZ
HORIZ	0.094084	.000000	0.004832	0.001105	0.004891	0.021521

COMB MAX/MIN	FX	FY	FZ	MX	MY	MZ
DEADLOAD	3.44E-14	3.94E-33	5.75E-14	1.87E-14	9.74E-14	1.10E-14
DEADLOAD	3.44E-14	3.94E-33	5.75E-14	1.87E-14	9.74E-14	1.10E-14

E L E M E N T J O I N T - F O R C E O U T P U T 15:11:08

NUMBER OF JOINT ELEMENTS SAVED = 156
NUMBER OF FRAME ELEMENTS SAVED = 290
NUMBER OF SPRING ELEMENTS SAVED = 184

E L E M E N T O U T P U T 15:11:11

NUMBER OF FRAME ELEMENTS SAVED = 290
NUMBER OF FRAME ELEMENTS PRINTED = 290

A N A L Y S I S C O M P L E T E 2005/04/05 15:11:19

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                    S A P 2 0 0 0 (R)

                Structural Analysis Programs

                   Nonlinear Version 7.40

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        It is the responsibility of the user to verify all
                 results produced by this program

                      5 Apr 2005  15:10:34


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D I S P L A C E M E N T   D E G R E E S   O F   F R E E D O M

        (A) = Active DOF, equilibrium equation
        (-) = Restrained DOF, reaction computed
        (+) = Constrained DOF
        (>) = External substructure DOF
        ( ) = Null DOF

 JOINTS              UX  UY  UZ  RX  RY  RZ
      1 TO       4    A       A       A
     A3 TO      A8    -   -   -       A
     B3 TO      C8    A       A       A
     D2               -   -   -       A
     D3 TO      D8    A       A       A
     D9               -   -   -       A
     E2 TO      N9    A       A       A
     O4 TO      O7    +       A       A
     P1 TO      P3    A       A       A
     P4               +       A       A
     P5 TO      P6    A       A       A
     P7               +       A       A
     P8 TO     P10    A       A       A

 CONSTRAINTS         U1  U2  U3  R1  R2  R3
    PO4 TO     PO7    A


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A S S E M B L E D   J O I N T   M A S S E S

IN GLOBAL COORDINATES

  JOINT          UX          UY          UZ          RX          RY          RZ
      1    0.070687    0.070687    0.070687     .000000     .000000     .000000
```

2	0.110710	0.110710	0.110710	.000000	.000000	.000000
3	0.046857	0.046857	0.046857	.000000	.000000	.000000
4	0.046857	0.046857	0.046857	.000000	.000000	.000000
A3	0.040640	0.040640	0.040640	.000000	.000000	.000000
A4	0.014824	0.014824	0.014824	.000000	.000000	.000000
A5	0.014824	0.014824	0.014824	.000000	.000000	.000000
A6	0.014824	0.014824	0.014824	.000000	.000000	.000000
A7	0.014824	0.014824	0.014824	.000000	.000000	.000000
A8	0.040640	0.040640	0.040640	.000000	.000000	.000000
B3	0.047031	0.047031	0.047031	.000000	.000000	.000000
B4	0.126189	0.126189	0.126189	.000000	.000000	.000000
B5	0.079237	0.079237	0.079237	.000000	.000000	.000000
B6	0.079237	0.079237	0.079237	.000000	.000000	.000000
B7	0.126189	0.126189	0.126189	.000000	.000000	.000000
B8	0.047031	0.047031	0.047031	.000000	.000000	.000000
C3	0.046297	0.046297	0.046297	.000000	.000000	.000000
C4	0.046297	0.046297	0.046297	.000000	.000000	.000000
C7	0.046297	0.046297	0.046297	.000000	.000000	.000000
C8	0.046297	0.046297	0.046297	.000000	.000000	.000000
D2	0.106090	0.106090	0.106090	.000000	.000000	.000000
D3	0.036830	0.036830	0.036830	.000000	.000000	.000000
D4	0.054946	0.054946	0.054946	.000000	.000000	.000000
D5	0.121934	0.121934	0.121934	.000000	.000000	.000000
D6	0.121934	0.121934	0.121934	.000000	.000000	.000000
D7	0.054946	0.054946	0.054946	.000000	.000000	.000000
D8	0.036830	0.036830	0.036830	.000000	.000000	.000000
D9	0.106090	0.106090	0.106090	.000000	.000000	.000000
E2	0.351932	0.351932	0.351932	.000000	.000000	.000000
E3	0.290178	0.290178	0.290178	.000000	.000000	.000000
E4	0.650866	0.650866	0.650866	.000000	.000000	.000000
E5	0.670492	0.670492	0.670492	.000000	.000000	.000000
E6	0.670492	0.670492	0.670492	.000000	.000000	.000000
E7	0.650866	0.650866	0.650866	.000000	.000000	.000000
E8	0.290178	0.290178	0.290178	.000000	.000000	.000000
E9	0.351932	0.351932	0.351932	.000000	.000000	.000000
F2	0.708926	0.708926	0.708926	.000000	.000000	.000000
F3	0.658320	0.658320	0.658320	.000000	.000000	.000000
F8	0.658320	0.658320	0.658320	.000000	.000000	.000000
F9	0.708926	0.708926	0.708926	.000000	.000000	.000000
G2	0.823208	0.823208	0.823208	.000000	.000000	.000000
G3	0.837689	0.837689	0.837689	.000000	.000000	.000000
G4	1.410091	1.410091	1.410091	.000000	.000000	.000000
G5	1.483873	1.483873	1.483873	.000000	.000000	.000000
G6	1.483873	1.483873	1.483873	.000000	.000000	.000000
G7	1.410091	1.410091	1.410091	.000000	.000000	.000000
G8	0.837689	0.837689	0.837689	.000000	.000000	.000000
G9	0.823208	0.823208	0.823208	.000000	.000000	.000000
H2	0.971968	0.971968	0.971968	.000000	.000000	.000000
H3	0.800970	0.800970	0.800970	.000000	.000000	.000000
H8	0.800970	0.800970	0.800970	.000000	.000000	.000000
H9	0.971968	0.971968	0.971968	.000000	.000000	.000000
I1	0.413369	0.413369	0.413369	.000000	.000000	.000000
I2	0.422492	0.422492	0.422492	.000000	.000000	.000000
I3	0.767119	0.767119	0.767119	.000000	.000000	.000000
I4	1.653129	1.653129	1.653129	.000000	.000000	.000000
I5	1.555374	1.555374	1.555374	.000000	.000000	.000000
I6	1.555374	1.555374	1.555374	.000000	.000000	.000000
I7	1.653129	1.653129	1.653129	.000000	.000000	.000000
I8	0.767119	0.767119	0.767119	.000000	.000000	.000000
I9	0.422492	0.422492	0.422492	.000000	.000000	.000000
J1	0.418659	0.418659	0.418659	.000000	.000000	.000000
J2	0.785493	0.785493	0.785493	.000000	.000000	.000000
J3	0.800970	0.800970	0.800970	.000000	.000000	.000000

J8	0.800970	0.800970	0.800970	.000000	.000000	.000000
J9	0.785493	0.785493	0.785493	.000000	.000000	.000000
K1	0.413369	0.413369	0.413369	.000000	.000000	.000000
K2	0.788892	0.788892	0.788892	.000000	.000000	.000000
K3	0.767119	0.767119	0.767119	.000000	.000000	.000000
K4	1.546955	1.546955	1.546955	.000000	.000000	.000000
K5	1.641426	1.641426	1.641426	.000000	.000000	.000000
K6	1.641426	1.641426	1.641426	.000000	.000000	.000000
K7	1.546955	1.546955	1.546955	.000000	.000000	.000000
K8	0.767119	0.767119	0.767119	.000000	.000000	.000000
K9	0.788892	0.788892	0.788892	.000000	.000000	.000000
L1	0.424955	0.424955	0.424955	.000000	.000000	.000000
L2	0.791790	0.791790	0.791790	.000000	.000000	.000000
L3	0.800970	0.800970	0.800970	.000000	.000000	.000000
L8	0.800970	0.800970	0.800970	.000000	.000000	.000000
L9	0.791790	0.791790	0.791790	.000000	.000000	.000000
M1	0.676677	0.676677	0.676677	.000000	.000000	.000000
M2	0.691471	0.691471	0.691471	.000000	.000000	.000000
M3	0.720361	0.720361	0.720361	.000000	.000000	.000000
M4	1.762665	1.762665	1.762665	.000000	.000000	.000000
M5	1.838789	1.838789	1.838789	.000000	.000000	.000000
M6	1.838789	1.838789	1.838789	.000000	.000000	.000000
M7	1.762665	1.762665	1.762665	.000000	.000000	.000000
M8	0.720361	0.720361	0.720361	.000000	.000000	.000000
M9	0.691471	0.691471	0.691471	.000000	.000000	.000000
N1	2.673555	2.673555	2.673555	.000000	.000000	.000000
N2	14.145910	14.145910	14.145910	.000000	.000000	.000000
N3	12.315356	12.315356	12.315356	.000000	.000000	.000000
N8	12.315356	12.315356	12.315356	.000000	.000000	.000000
N9	14.145910	14.145910	14.145910	.000000	.000000	.000000
O4	0.113291	0.113291	0.113291	.000000	.000000	.000000
O7	0.113291	0.113291	0.113291	.000000	.000000	.000000
P1	2.681942	2.681942	2.681942	.000000	.000000	.000000
P2	4.612080	4.612080	4.612080	.000000	.000000	.000000
P3	5.072634	5.072634	5.072634	.000000	.000000	.000000
P4	5.519953	5.519953	5.519953	.000000	.000000	.000000
P5	5.552243	5.552243	5.552243	.000000	.000000	.000000
P6	5.552243	5.552243	5.552243	.000000	.000000	.000000
P7	5.519953	5.519953	5.519953	.000000	.000000	.000000
P8	5.072634	5.072634	5.072634	.000000	.000000	.000000
P9	5.077880	5.077880	5.077880	.000000	.000000	.000000
E2A	0.174497	0.174497	0.174497	.000000	.000000	.000000
E2B	0.282258	0.282258	0.282258	.000000	.000000	.000000
E3A	0.247158	0.247158	0.247158	.000000	.000000	.000000
E3B	0.250177	0.250177	0.250177	.000000	.000000	.000000
E3C	0.212058	0.212058	0.212058	.000000	.000000	.000000
E4A	0.213568	0.213568	0.213568	.000000	.000000	.000000
E4B	0.216497	0.216497	0.216497	.000000	.000000	.000000
E6A	0.216497	0.216497	0.216497	.000000	.000000	.000000
E6B	0.213568	0.213568	0.213568	.000000	.000000	.000000
E7A	0.212058	0.212058	0.212058	.000000	.000000	.000000
E7B	0.250177	0.250177	0.250177	.000000	.000000	.000000
E7C	0.247158	0.247158	0.247158	.000000	.000000	.000000
E8A	0.282258	0.282258	0.282258	.000000	.000000	.000000
E8B	0.174497	0.174497	0.174497	.000000	.000000	.000000
G2A	0.358613	0.358613	0.358613	.000000	.000000	.000000
G2B	0.610077	0.610077	0.610077	.000000	.000000	.000000
G2C	0.529503	0.529503	0.529503	.000000	.000000	.000000
G3A	0.531013	0.531013	0.531013	.000000	.000000	.000000
G3B	0.456377	0.456377	0.456377	.000000	.000000	.000000
G3C	0.452603	0.452603	0.452603	.000000	.000000	.000000
G4A	0.313516	0.313516	0.313516	.000000	.000000	.000000
G6A	0.313516	0.313516	0.313516	.000000	.000000	.000000

G7A	0.452603	0.452603	0.452603	.000000	.000000	.000000
G7B	0.456377	0.456377	0.456377	.000000	.000000	.000000
G7C	0.531013	0.531013	0.531013	.000000	.000000	.000000
G8A	0.529503	0.529503	0.529503	.000000	.000000	.000000
G8B	0.610077	0.610077	0.610077	.000000	.000000	.000000
G8C	0.358613	0.358613	0.358613	.000000	.000000	.000000
I10	0.413369	0.413369	0.413369	.000000	.000000	.000000
I1A	0.382048	0.382048	0.382048	.000000	.000000	.000000
I2A	0.659536	0.659536	0.659536	.000000	.000000	.000000
I2B	0.578177	0.578177	0.578177	.000000	.000000	.000000
I2C	0.574281	0.574281	0.574281	.000000	.000000	.000000
I3A	0.492636	0.492636	0.492636	.000000	.000000	.000000
I3B	0.494777	0.494777	0.494777	.000000	.000000	.000000
I3C	0.168681	0.168681	0.168681	.000000	.000000	.000000
I4A	0.178616	0.178616	0.178616	.000000	.000000	.000000
I6A	0.178616	0.178616	0.178616	.000000	.000000	.000000
I7A	0.168681	0.168681	0.168681	.000000	.000000	.000000
I7B	0.494777	0.494777	0.494777	.000000	.000000	.000000
I7C	0.492636	0.492636	0.492636	.000000	.000000	.000000
I8A	0.574281	0.574281	0.574281	.000000	.000000	.000000
I8B	0.578177	0.578177	0.578177	.000000	.000000	.000000
I8C	0.659536	0.659536	0.659536	.000000	.000000	.000000
I9A	0.382048	0.382048	0.382048	.000000	.000000	.000000
J10	0.418659	0.418659	0.418659	.000000	.000000	.000000
K10	0.413369	0.413369	0.413369	.000000	.000000	.000000
K1A	0.451945	0.451945	0.451945	.000000	.000000	.000000
K1B	0.771138	0.771138	0.771138	.000000	.000000	.000000
K2A	0.674378	0.674378	0.674378	.000000	.000000	.000000
K2B	0.676777	0.676777	0.676777	.000000	.000000	.000000
K2C	0.575238	0.575238	0.575238	.000000	.000000	.000000
K3A	0.578239	0.578239	0.578239	.000000	.000000	.000000
K3B	0.391277	0.391277	0.391277	.000000	.000000	.000000
K7A	0.391277	0.391277	0.391277	.000000	.000000	.000000
K7B	0.578239	0.578239	0.578239	.000000	.000000	.000000
K8A	0.575238	0.575238	0.575238	.000000	.000000	.000000
K8B	0.676777	0.676777	0.676777	.000000	.000000	.000000
K8C	0.674378	0.674378	0.674378	.000000	.000000	.000000
K9A	0.771138	0.771138	0.771138	.000000	.000000	.000000
K9B	0.451945	0.451945	0.451945	.000000	.000000	.000000
L10	0.424955	0.424955	0.424955	.000000	.000000	.000000
M10	0.676677	0.676677	0.676677	.000000	.000000	.000000
M3A	0.234516	0.234516	0.234516	.000000	.000000	.000000
M7A	0.234516	0.234516	0.234516	.000000	.000000	.000000
N10	2.673555	2.673555	2.673555	.000000	.000000	.000000
N1A	0.267262	0.267262	0.267262	.000000	.000000	.000000
N1B	0.456879	0.456879	0.456879	.000000	.000000	.000000
N1C	0.398124	0.398124	0.398124	.000000	.000000	.000000
N2A	0.393744	0.393744	0.393744	.000000	.000000	.000000
N2B	0.344379	0.344379	0.344379	.000000	.000000	.000000
N2C	0.341824	0.341824	0.341824	.000000	.000000	.000000
N8A	0.341824	0.341824	0.341824	.000000	.000000	.000000
N8B	0.344379	0.344379	0.344379	.000000	.000000	.000000
N8C	0.393744	0.393744	0.393744	.000000	.000000	.000000
N9A	0.398124	0.398124	0.398124	.000000	.000000	.000000
N9B	0.456879	0.456879	0.456879	.000000	.000000	.000000
N9C	0.267262	0.267262	0.267262	.000000	.000000	.000000
P10	3.147742	3.147742	3.147742	.000000	.000000	.000000

T O T A L A S S E M B L E D J O I N T M A S S E S

IN GLOBAL COORDINATES

	UX	UY	UZ	RX	RY	RZ
TOTAL	196.596809	196.596809	196.596809	.000000	.000000	.000000

T O T A L A C C E L E R A T E D M A S S A N D L O C A T I O N

TOTAL MASS ACTIVATED BY ACCELERATION LOADS, IN GLOBAL COORDINATES

	UX	UY	UZ
MASS	196.244052	.000000	196.244052
X-LOC	348.045882	.000000	348.045882
Y-LOC	120.000000	.000000	120.000000
Z-LOC	494.834225	.000000	494.834225

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M O D A L P E R I O D S A N D F R E Q U E N C I E S

MODE	PERIOD (TIME)	FREQUENCY (CYC/TIME)	FREQUENCY (RAD/TIME)	EIGENVALUE (RAD/TIME)**2
1	0.502209	1.991202	12.511091	156.527406
2	0.270949	3.690733	23.189561	537.755745
3	0.205639	4.862888	30.554429	933.573131
4	0.191666	5.217410	32.781952	1074.656
5	0.151141	6.616326	41.571602	1728.198
6	0.149809	6.675146	41.941176	1759.062
7	0.138673	7.211194	45.309268	2052.930
8	0.137719	7.261160	45.623216	2081.478
9	0.132687	7.536538	47.353462	2242.350
10	0.130482	7.663911	48.153775	2318.786
11	0.128156	7.803007	49.027739	2403.719
12	0.126916	7.879252	49.506803	2450.924
13	0.121173	8.252673	51.853074	2688.741
14	0.120678	8.286540	52.065865	2710.854
15	0.119639	8.358484	52.517905	2758.130
16	0.119270	8.384310	52.680173	2775.201
17	0.106177	9.418240	59.176546	3501.864
18	0.105082	9.516408	59.793354	3575.245
19	0.104221	9.595038	60.287404	3634.571
20	0.097592	10.246771	64.382360	4145.088
21	0.090959	10.994015	69.077431	4771.692
22	0.089551	11.166812	70.163150	4922.868
23	0.086585	11.549373	72.566852	5265.948
24	0.086468	11.564909	72.664468	5280.125
25	0.083725	11.943837	75.045340	5631.803
26	0.079255	12.617441	79.277722	6284.957
27	0.076294	13.107152	82.354664	6782.291
28	0.074645	13.396765	84.174358	7085.323
29	0.073892	13.533319	85.032350	7230.501
30	0.072600	13.774102	86.545235	7490.078
31	0.072363	13.819152	86.828294	7539.153
32	0.071520	13.982160	87.852500	7718.062
33	0.071483	13.989423	87.898140	7726.083
34	0.070856	14.113182	88.675736	7863.386
35	0.063411	15.770241	99.087344	9818.302
36	0.063257	15.808601	99.328371	9866.125
37	0.062389	16.028473	100.709864	10142.477
38	0.062284	16.055581	100.880191	10176.813
39	0.061740	16.197040	101.769002	10356.930

40	0.061616	16.229489	101.972889	10398.470
41	0.058346	17.139234	107.688980	11596.916
42	0.056488	17.702729	111.229527	12372.008
43	0.056105	17.823702	111.989620	12541.675
44	0.054212	18.446019	115.899754	13432.753
45	0.053420	18.719751	117.619661	13834.385
46	0.051791	19.308259	121.317368	14717.904
47	0.051672	19.352913	121.597937	14786.058
48	0.041859	23.889623	150.102929	22530.889
49	0.040048	24.970313	156.893103	24615.446
50	0.039986	25.008609	157.133724	24691.007
51	0.039758	25.152317	158.036667	24975.588
52	0.038800	25.773333	161.938628	26224.119
53	0.038537	25.949127	163.043171	26583.076
54	0.037641	26.566818	166.924240	27863.702
55	0.037596	26.598418	167.122788	27930.026
56	0.036840	27.144260	170.552413	29088.126
57	0.036700	27.248135	171.205080	29311.179
58	0.035688	28.020685	176.059156	30996.826
59	0.034645	28.864120	181.358612	32890.946
60	0.034187	29.250661	183.787324	33777.780
61	0.034097	29.327734	184.271589	33956.018
62	0.033695	29.677806	186.471155	34771.492
63	0.033233	30.090525	189.064346	35745.327
64	0.032982	30.319605	190.503699	36291.659
65	0.032961	30.339203	190.626834	36338.590
66	0.031576	31.669748	198.986893	39595.784
67	0.031474	31.772057	199.629719	39852.025
-------- THE FOLLOWING ARE RESIDUAL-MASS MODES --------				
68	0.020893	47.862407	300.728371	90437.553
69	0.026073	38.353259	240.980636	58071.667

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M O D A L P A R T I C I P A T I O N F A C T O R S

FOR UNIT ACCELERATION LOADS IN GLOBAL COORDINATES

MODE	PERIOD	UX	UY	UZ
1	0.502209	11.857288	.000000	-0.010193
2	0.270949	2.943376	.000000	-0.021686
3	0.205639	0.004716	.000000	0.373810
4	0.191666	-4.908590	.000000	-0.013591
5	0.151141	-1.042382	.000000	-1.812115
6	0.149809	-0.173570	.000000	8.694304
7	0.138673	0.870178	.000000	0.368235
8	0.137719	-0.054006	.000000	4.420224
9	0.132687	-1.127270	.000000	-0.319800
10	0.130482	0.072445	.000000	-5.658825
11	0.128156	-0.474803	.000000	-0.123624
12	0.126916	-0.087245	.000000	4.898814
13	0.121173	0.184280	.000000	0.024698
14	0.120678	0.011746	.000000	-0.756361
15	0.119639	0.009614	.000000	0.028624
16	0.119270	-0.024832	.000000	1.508703
17	0.106177	0.088620	.000000	1.001505
18	0.105082	-2.328262	.000000	-0.051639
19	0.104221	2.416010	.000000	0.041457
20	0.097592	-0.031447	.000000	3.127527
21	0.090959	2.209868	.000000	-0.063458

22	0.089551	0.283534	.000000	0.323490
23	0.086585	-0.320284	.000000	0.094822
24	0.086468	0.038554	.000000	0.545247
25	0.083725	0.499816	.000000	0.049427
26	0.079255	-1.096833	.000000	0.392004
27	0.076294	0.114311	.000000	2.942321
28	0.074645	0.053863	.000000	-0.005441
29	0.073892	-0.034500	.000000	-1.115642
30	0.072600	0.044935	.000000	-0.003374
31	0.072363	-0.013368	.000000	-0.078790
32	0.071520	0.004400	.000000	-0.500727
33	0.071483	-0.121242	.000000	0.010327
34	0.070856	-0.008518	.000000	0.065997
35	0.063411	0.053979	.000000	0.419399
36	0.063257	0.030272	.000000	-1.357293
37	0.062389	-0.320676	.000000	-0.032872
38	0.062284	-0.001200	.000000	-0.004879
39	0.061740	-0.000199	.000000	-0.155343
40	0.061616	0.114605	.000000	-0.002004
41	0.058346	0.000436	.000000	-0.861281
42	0.056488	0.005817	.000000	0.417573
43	0.056105	-0.037081	.000000	0.104484
44	0.054212	-0.222336	.000000	0.058891
45	0.053420	0.018536	.000000	0.717277
46	0.051791	0.088729	.000000	-0.020325
47	0.051672	0.007177	.000000	0.370569
48	0.041859	-0.574480	.000000	-0.033491
49	0.040048	0.001582	.000000	-1.296934
50	0.039986	-0.092812	.000000	-0.047879
51	0.039758	0.036083	.000000	-0.458249
52	0.038800	0.343028	.000000	0.001157
53	0.038537	0.002202	.000000	0.061281
54	0.037641	0.118043	.000000	0.015549
55	0.037596	0.011377	.000000	-0.155329
56	0.036840	-0.116589	.000000	0.001496
57	0.036700	-0.000222	.000000	0.003814
58	0.035688	-0.289493	.000000	-0.006614
59	0.034645	0.005818	.000000	-0.002480
60	0.034187	0.003466	.000000	-0.318707
61	0.034097	0.146795	.000000	-0.001820
62	0.033695	-5.73E-05	.000000	0.290168
63	0.033233	0.029004	.000000	0.007702
64	0.032982	0.084921	.000000	0.003756
65	0.032961	-0.000770	.000000	0.048147
66	0.031576	0.027078	.000000	-0.222338
67	0.031474	0.157053	.000000	0.013890
-------- THE FOLLOWING ARE RESIDUAL-MASS MODES --------				
68	0.020893	-0.729934	.000000	-0.001573
69	0.026073	-0.000672	.000000	-2.900394

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M O D A L P A R T I C I P A T I N G M A S S R A T I O S

MODE	PERIOD	INDIVIDUAL MODE (PERCENT)			CUMULATIVE SUM (PERCENT)		
		UX	UY	UZ	UX	UY	UZ
1	0.502209	71.6431	0.0000	0.0001	71.6431	0.0000	0.0001
2	0.270949	4.4146	0.0000	0.0002	76.0577	0.0000	0.0003
3	0.205639	0.0000	0.0000	0.0712	76.0577	0.0000	0.0715

4	0.191666	12.2777	0.0000	0.0001	88.3354	0.0000	0.0716
5	0.151141	0.5537	0.0000	1.6733	88.8891	0.0000	1.7449
6	0.149809	0.0154	0.0000	38.5188	88.9045	0.0000	40.2637
7	0.138673	0.3859	0.0000	0.0691	89.2903	0.0000	40.3328
8	0.137719	0.0015	0.0000	9.9562	89.2918	0.0000	50.2890
9	0.132687	0.6475	0.0000	0.0521	89.9393	0.0000	50.3411
10	0.130482	0.0027	0.0000	16.3176	89.9420	0.0000	66.6587
11	0.128156	0.1149	0.0000	0.0078	90.0569	0.0000	66.6665
12	0.126916	0.0039	0.0000	12.2288	90.0608	0.0000	78.8953
13	0.121173	0.0173	0.0000	0.0003	90.0781	0.0000	78.8956
14	0.120678	0.0001	0.0000	0.2915	90.0781	0.0000	79.1871
15	0.119639	0.0000	0.0000	0.0004	90.0782	0.0000	79.1876
16	0.119270	0.0003	0.0000	1.1599	90.0785	0.0000	80.3474
17	0.106177	0.0040	0.0000	0.5111	90.0825	0.0000	80.8585
18	0.105082	2.7623	0.0000	0.0014	92.8448	0.0000	80.8599
19	0.104221	2.9744	0.0000	0.0009	95.8192	0.0000	80.8608
20	0.097592	0.0005	0.0000	4.9843	95.8197	0.0000	85.8451
21	0.090959	2.4885	0.0000	0.0021	98.3082	0.0000	85.8472
22	0.089551	0.0410	0.0000	0.0533	98.3491	0.0000	85.9005
23	0.086585	0.0523	0.0000	0.0046	98.4014	0.0000	85.9051
24	0.086468	0.0008	0.0000	0.1515	98.4022	0.0000	86.0565
25	0.083725	0.1273	0.0000	0.0012	98.5295	0.0000	86.0578
26	0.079255	0.6130	0.0000	0.0783	99.1425	0.0000	86.1361
27	0.076294	0.0067	0.0000	4.4115	99.1492	0.0000	90.5476
28	0.074645	0.0015	0.0000	0.0000	99.1506	0.0000	90.5476
29	0.073892	0.0006	0.0000	0.6342	99.1513	0.0000	91.1818
30	0.072600	0.0010	0.0000	0.0000	99.1523	0.0000	91.1818
31	0.072363	0.0001	0.0000	0.0032	99.1524	0.0000	91.1850
32	0.071520	0.0000	0.0000	0.1278	99.1524	0.0000	91.3128
33	0.071483	0.0075	0.0000	0.0001	99.1599	0.0000	91.3128
34	0.070856	0.0000	0.0000	0.0022	99.1599	0.0000	91.3150
35	0.063411	0.0015	0.0000	0.0896	99.1614	0.0000	91.4047
36	0.063257	0.0005	0.0000	0.9388	99.1619	0.0000	92.3434
37	0.062389	0.0524	0.0000	0.0006	99.2143	0.0000	92.3440
38	0.062284	0.0000	0.0000	0.0000	99.2143	0.0000	92.3440
39	0.061740	0.0000	0.0000	0.0123	99.2143	0.0000	92.3563
40	0.061616	0.0067	0.0000	0.0000	99.2210	0.0000	92.3563
41	0.058346	0.0000	0.0000	0.3780	99.2210	0.0000	92.7343
42	0.056488	0.0000	0.0000	0.0889	99.2210	0.0000	92.8231
43	0.056105	0.0007	0.0000	0.0056	99.2217	0.0000	92.8287
44	0.054212	0.0252	0.0000	0.0018	99.2469	0.0000	92.8305
45	0.053420	0.0002	0.0000	0.2622	99.2470	0.0000	93.0926
46	0.051791	0.0040	0.0000	0.0002	99.2510	0.0000	93.0928
47	0.051672	0.0000	0.0000	0.0700	99.2511	0.0000	93.1628
48	0.041859	0.1682	0.0000	0.0006	99.4192	0.0000	93.1634
49	0.040048	0.0000	0.0000	0.8571	99.4192	0.0000	94.0205
50	0.039986	0.0044	0.0000	0.0012	99.4236	0.0000	94.0217
51	0.039758	0.0007	0.0000	0.1070	99.4243	0.0000	94.1287
52	0.038800	0.0600	0.0000	0.0000	99.4843	0.0000	94.1287
53	0.038537	0.0000	0.0000	0.0019	99.4843	0.0000	94.1306
54	0.037641	0.0071	0.0000	0.0001	99.4914	0.0000	94.1307
55	0.037596	0.0001	0.0000	0.0123	99.4914	0.0000	94.1430
56	0.036840	0.0069	0.0000	0.0000	99.4984	0.0000	94.1430
57	0.036700	0.0000	0.0000	0.0000	99.4984	0.0000	94.1430
58	0.035688	0.0427	0.0000	0.0000	99.5411	0.0000	94.1430
59	0.034645	0.0000	0.0000	0.0000	99.5411	0.0000	94.1430
60	0.034187	0.0000	0.0000	0.0518	99.5411	0.0000	94.1948
61	0.034097	0.0110	0.0000	0.0000	99.5521	0.0000	94.1948
62	0.033695	0.0000	0.0000	0.0429	99.5521	0.0000	94.2377
63	0.033233	0.0004	0.0000	0.0000	99.5525	0.0000	94.2377
64	0.032982	0.0037	0.0000	0.0000	99.5562	0.0000	94.2377
65	0.032961	0.0000	0.0000	0.0012	99.5562	0.0000	94.2389
66	0.031576	0.0004	0.0000	0.0252	99.5565	0.0000	94.2641

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     67    0.031474     0.0126   0.0000   0.0001    99.5691   0.0000  94.2642
-------- THE FOLLOWING ARE RESIDUAL-MASS MODES --------
     68    0.020893     0.2715   0.0000   0.0000    99.8406   0.0000  94.2642
     69    0.026073     0.0000   0.0000   4.2866    99.8406   0.0000  98.5509


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M O D A L   L O A D   P A R T I C I P A T I O N   R A T I O S

LOAD, ACC, OR NLLINK/DEF      STATIC    DYNAMIC                       EFFECTIVE
       (TYPE)      (NAME)   (PERCENT)  (PERCENT)                        PERIOD

        LOAD        DEAD     98.9509 -> 22.9540<- (*) SEE NOTE         0.126265
        LOAD    MANIFOLD     97.7258    61.0375                        0.131602
        LOAD        TBAR     99.7233    86.0647                        0.136229
        LOAD    TOPCOVER     95.1725    56.7481                        0.123218
        LOAD     PEWALLS     98.1099    77.0006                        0.118021
        LOAD    HOTBASIN     97.6971    48.4965                        0.140419
        LOAD    DRIFTELM     99.1972    85.3695                        0.091064
        LOAD    FANMOTOR      0.0000     0.0000                       -INFINITY-
        LOAD    CABLETRY     94.1641    47.8543                        0.159058
        LOAD    LOUVERWL     93.3518    31.9741                        0.102847
        LOAD     SECDIST      0.0000     0.0000                       -INFINITY-
         ACC          UX     99.9999    99.8406                        0.492412
         ACC          UY      0.0000     0.0000                       -INFINITY-
         ACC          UZ     99.9997    98.5509                        0.139705
         ACC          RX      0.0000     0.0000                       -INFINITY-
         ACC          RY      0.0000     0.0000                       -INFINITY-
         ACC          RZ      0.0000     0.0000                       -INFINITY-

(*) NOTE: DYNAMIC LOAD PARTICIPATION RATIO EXCLUDES LOAD APPLIED
          TO NON-MASS DEGREES OF FREEDOM


Program SAP2000 Nonlinear Version 7.40          File:Partition Bent Seismic.OUT
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R E S P O N S E   S P E C T R U M   A C C E L E R A T I O N S

IN RESPONSE-SPECTRUM LOCAL COORDINATES

SPEC   HORIZ ------------------

   MODE      PERIOD  DAMP-RATIO          U1          U2          U3
      1    0.502209    0.050000   74.649129     .000000     .000000
      2    0.270949    0.050000   86.476658     .000000     .000000
      3    0.205639    0.050000   88.357772     .000000     .000000
      4    0.191666    0.050000   88.444655     .000000     .000000
      5    0.151141    0.050000   87.935744     .000000     .000000
      6    0.149809    0.050000   87.910381     .000000     .000000
      7    0.138673    0.050000   87.566886     .000000     .000000
      8    0.137719    0.050000   87.504411     .000000     .000000
      9    0.132687    0.050000   87.174958     .000000     .000000
     10    0.130482    0.050000   87.030580     .000000     .000000
     11    0.128156    0.050000   86.910422     .000000     .000000
     12    0.126916    0.050000   86.864445     .000000     .000000
     13    0.121173    0.050000   86.651532     .000000     .000000
     14    0.120678    0.050000   86.633171     .000000     .000000
     15    0.119639    0.050000   86.594660     .000000     .000000
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16	0.119270	0.050000	86.580998	.000000	.000000
17	0.106177	0.050000	85.693373	.000000	.000000
18	0.105082	0.050000	85.566305	.000000	.000000
19	0.104221	0.050000	85.466401	.000000	.000000
20	0.097592	0.050000	84.722241	.000000	.000000
21	0.090959	0.050000	84.225002	.000000	.000000
22	0.089551	0.050000	84.108871	.000000	.000000
23	0.086585	0.050000	83.842686	.000000	.000000
24	0.086468	0.050000	83.832248	.000000	.000000
25	0.083725	0.050000	83.586075	.000000	.000000
26	0.079255	0.050000	83.033857	.000000	.000000
27	0.076294	0.050000	82.579873	.000000	.000000
28	0.074645	0.050000	82.327006	.000000	.000000
29	0.073892	0.050000	82.217150	.000000	.000000
30	0.072600	0.050000	82.032367	.000000	.000000
31	0.072363	0.050000	81.998509	.000000	.000000
32	0.071520	0.050000	81.877823	.000000	.000000
33	0.071483	0.050000	81.872511	.000000	.000000
34	0.070856	0.050000	81.782839	.000000	.000000
35	0.063411	0.050000	80.728241	.000000	.000000
36	0.063257	0.050000	80.706579	.000000	.000000
37	0.062389	0.050000	80.584419	.000000	.000000
38	0.062284	0.050000	80.569590	.000000	.000000
39	0.061740	0.050000	80.493010	.000000	.000000
40	0.061616	0.050000	80.475632	.000000	.000000
41	0.058346	0.050000	79.840437	.000000	.000000
42	0.056488	0.050000	79.476447	.000000	.000000
43	0.056105	0.050000	79.401305	.000000	.000000
44	0.054212	0.050000	79.061976	.000000	.000000
45	0.053420	0.050000	78.932568	.000000	.000000
46	0.051791	0.050000	78.666774	.000000	.000000
47	0.051672	0.050000	78.647266	.000000	.000000
48	0.041859	0.050000	76.351502	.000000	.000000
49	0.040048	0.050000	75.964504	.000000	.000000
50	0.039986	0.050000	75.949050	.000000	.000000
51	0.039758	0.050000	75.891475	.000000	.000000
52	0.038800	0.050000	75.650054	.000000	.000000
53	0.038537	0.050000	75.583813	.000000	.000000
54	0.037641	0.050000	75.358010	.000000	.000000
55	0.037596	0.050000	75.346740	.000000	.000000
56	0.036840	0.050000	75.156215	.000000	.000000
57	0.036700	0.050000	75.120822	.000000	.000000
58	0.035688	0.050000	74.866988	.000000	.000000
59	0.034645	0.050000	74.605603	.000000	.000000
60	0.034187	0.050000	74.490849	.000000	.000000
61	0.034097	0.050000	74.468330	.000000	.000000
62	0.033695	0.050000	74.367517	.000000	.000000
63	0.033233	0.050000	74.251677	.000000	.000000
64	0.032982	0.050000	74.188741	.000000	.000000
65	0.032961	0.050000	74.183401	.000000	.000000
66	0.031576	0.050000	73.726928	.000000	.000000
67	0.031474	0.050000	73.689512	.000000	.000000
68	0.020893	0.050000	69.524246	.000000	.000000
69	0.026073	0.050000	71.779739	.000000	.000000

R E S P O N S E S P E C T R U M M O D A L A M P L I T U D E S

IN RESPONSE-SPECTRUM LOCAL COORDINATES

SPEC HORIZ ----------

MODE	PERIOD	U1	U2	U3
1	0.502209	5.654832	.000000	.000000
2	0.270949	0.473325	.000000	.000000
3	0.205639	0.000446	.000000	.000000
4	0.191666	-0.403979	.000000	.000000
5	0.151141	-0.053039	.000000	.000000
6	0.149809	-0.008674	.000000	.000000
7	0.138673	0.037117	.000000	.000000
8	0.137719	-0.002270	.000000	.000000
9	0.132687	-0.043824	.000000	.000000
10	0.130482	0.002719	.000000	.000000
11	0.128156	-0.017167	.000000	.000000
12	0.126916	-0.003092	.000000	.000000
13	0.121173	0.005939	.000000	.000000
14	0.120678	0.000375	.000000	.000000
15	0.119639	0.000302	.000000	.000000
16	0.119270	-0.000775	.000000	.000000
17	0.106177	0.002169	.000000	.000000
18	0.105082	-0.055722	.000000	.000000
19	0.104221	0.056812	.000000	.000000
20	0.097592	-0.000643	.000000	.000000
21	0.090959	0.039006	.000000	.000000
22	0.089551	0.004844	.000000	.000000
23	0.086585	-0.005099	.000000	.000000
24	0.086468	0.000612	.000000	.000000
25	0.083725	0.007418	.000000	.000000
26	0.079255	-0.014491	.000000	.000000
27	0.076294	0.001392	.000000	.000000
28	0.074645	0.000626	.000000	.000000
29	0.073892	-0.000392	.000000	.000000
30	0.072600	0.000492	.000000	.000000
31	0.072363	-0.000145	.000000	.000000
32	0.071520	4.67E-05	.000000	.000000
33	0.071483	-0.001285	.000000	.000000
34	0.070856	-8.86E-05	.000000	.000000
35	0.063411	0.000444	.000000	.000000
36	0.063257	0.000248	.000000	.000000
37	0.062389	-0.002548	.000000	.000000
38	0.062284	-9.50E-06	.000000	.000000
39	0.061740	-1.55E-06	.000000	.000000
40	0.061616	0.000887	.000000	.000000
41	0.058346	3.00E-06	.000000	.000000
42	0.056488	3.74E-05	.000000	.000000
43	0.056105	-0.000235	.000000	.000000
44	0.054212	-0.001309	.000000	.000000
45	0.053420	0.000106	.000000	.000000
46	0.051791	0.000474	.000000	.000000
47	0.051672	3.82E-05	.000000	.000000
48	0.041859	-0.001947	.000000	.000000
49	0.040048	4.88E-06	.000000	.000000
50	0.039986	-0.000285	.000000	.000000
51	0.039758	0.000110	.000000	.000000
52	0.038800	0.000990	.000000	.000000
53	0.038537	6.26E-06	.000000	.000000
54	0.037641	0.000319	.000000	.000000
55	0.037596	3.07E-05	.000000	.000000
56	0.036840	-0.000301	.000000	.000000
57	0.036700	-5.69E-07	.000000	.000000
58	0.035688	-0.000699	.000000	.000000
59	0.034645	1.32E-05	.000000	.000000

60	0.034187	7.64E-06	.000000	.000000
61	0.034097	0.000322	.000000	.000000
62	0.033695	-1.23E-07	.000000	.000000
63	0.033233	6.02E-05	.000000	.000000
64	0.032982	0.000174	.000000	.000000
65	0.032961	-1.57E-06	.000000	.000000
66	0.031576	5.04E-05	.000000	.000000
67	0.031474	0.000290	.000000	.000000
68	0.020893	-0.000561	.000000	.000000
69	0.026073	-8.31E-07	.000000	.000000

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R E S P O N S E S P E C T R U M M O D A L C O R R E L A T I O N S

PARTIAL MATRIX SHOWING CORRELATION FACTORS BETWEEN NEARBY MODES

SPEC HORIZ ----------

MODE I	PERIOD	I	I+1	I+2	I+3	I+4	I+5	I+6	I+7	I+8	I+9
1	0.502209	1.000	0.024	0.011	0.009	0.005	0.005	0.004	0.004	0.004	0.004
2	0.270949	1.000	0.114	0.075	0.027	0.026	0.020	0.019	0.017	0.016	0.016
3	0.205639	1.000	0.668	0.094	0.089	0.059	0.057	0.048	0.044	0.041	0.039
4	0.191666	1.000	0.149	0.140	0.085	0.082	0.067	0.061	0.056	0.054	0.044
5	0.151141	1.000	0.992	0.574	0.535	0.370	0.315	0.267	0.245	0.168	0.163
6	0.149809	1.000	0.626	0.585	0.403	0.343	0.290	0.265	0.180	0.175	0.163
7	0.138673	1.000	0.995	0.837	0.729	0.616	0.560	0.353	0.340	0.313	0.304
8	0.137719	1.000	0.878	0.774	0.658	0.599	0.378	0.363	0.334	0.325	0.127
9	0.132687	1.000	0.973	0.892	0.835	0.548	0.526	0.482	0.467	0.166	0.154
10	0.130482	1.000	0.969	0.929	0.646	0.620	0.570	0.553	0.189	0.174	0.164
11	0.128156	1.000	0.991	0.761	0.734	0.678	0.659	0.219	0.201	0.188	0.117
12	0.126916	1.000	0.823	0.797	0.741	0.721	0.238	0.218	0.203	0.125	0.081
13	0.121173	1.000	0.998	0.984	0.976	0.363	0.329	0.304	0.174	0.107	0.097
14	0.120678	1.000	0.993	0.986	0.378	0.342	0.316	0.180	0.109	0.099	0.081
15	0.119639	1.000	0.999	0.411	0.372	0.343	0.193	0.116	0.105	0.085	0.085
16	0.119270	1.000	0.424	0.383	0.354	0.198	0.118	0.107	0.087	0.086	0.072
17	0.106177	1.000	0.989	0.967	0.584	0.293	0.255	0.192	0.190	0.149	0.103
18	0.105082	1.000	0.993	0.646	0.323	0.280	0.209	0.207	0.161	0.110	0.087
19	0.104221	1.000	0.698	0.349	0.302	0.224	0.221	0.171	0.116	0.091	0.081
20	0.097592	1.000	0.668	0.574	0.410	0.405	0.297	0.186	0.140	0.120	0.113
21	0.090959	1.000	0.976	0.804	0.796	0.592	0.344	0.243	0.202	0.186	0.163
22	0.089551	1.000	0.898	0.891	0.688	0.400	0.279	0.230	0.212	0.184	0.179
23	0.086585	1.000	1.000	0.899	0.560	0.383	0.311	0.283	0.242	0.236	0.213
24	0.086468	1.000	0.906	0.568	0.388	0.315	0.287	0.245	0.238	0.216	0.215
25	0.083725	1.000	0.768	0.536	0.430	0.389	0.329	0.319	0.286	0.284	0.263
26	0.079255	1.000	0.873	0.735	0.670	0.564	0.546	0.486	0.483	0.442	0.166
27	0.076294	1.000	0.954	0.907	0.802	0.781	0.705	0.702	0.646	0.225	0.220
28	0.074645	1.000	0.990	0.928	0.912	0.845	0.842	0.786	0.272	0.266	0.236
29	0.073892	1.000	0.970	0.958	0.904	0.901	0.850	0.298	0.292	0.257	0.254
30	0.072600	1.000	0.999	0.978	0.976	0.944	0.352	0.344	0.302	0.297	0.274
31	0.072363	1.000	0.986	0.985	0.958	0.363	0.355	0.311	0.306	0.283	0.278
32	0.071520	1.000	1.000	0.991	0.407	0.398	0.348	0.342	0.315	0.309	0.193
33	0.071483	1.000	0.992	0.410	0.400	0.350	0.344	0.317	0.311	0.194	0.151
34	0.070856	1.000	0.447	0.436	0.381	0.374	0.344	0.338	0.208	0.161	0.153
35	0.063411	1.000	0.999	0.974	0.969	0.933	0.924	0.590	0.427	0.399	0.288
36	0.063257	1.000	0.981	0.977	0.944	0.935	0.604	0.438	0.409	0.295	0.258
37	0.062389	1.000	1.000	0.989	0.985	0.690	0.502	0.469	0.335	0.292	0.222
38	0.062284	1.000	0.992	0.989	0.701	0.511	0.477	0.341	0.297	0.226	0.221
39	0.061740	1.000	1.000	0.757	0.558	0.521	0.371	0.322	0.243	0.238	0.060
40	0.061616	1.000	0.770	0.569	0.532	0.378	0.328	0.248	0.243	0.061	0.049

41	0.058346	1.000	0.905	0.867	0.649	0.562	0.412	0.403	0.081	0.064	0.064
42	0.056488	1.000	0.995	0.855	0.762	0.570	0.557	0.098	0.076	0.075	0.073
43	0.056105	1.000	0.894	0.806	0.609	0.595	0.103	0.079	0.078	0.076	0.067
44	0.054212	1.000	0.979	0.827	0.813	0.128	0.097	0.096	0.092	0.080	0.077
45	0.053420	1.000	0.912	0.900	0.142	0.106	0.105	0.101	0.087	0.084	0.074
46	0.051791	1.000	0.999	0.179	0.130	0.128	0.123	0.105	0.101	0.088	0.087
47	0.051672	1.000	0.182	0.132	0.130	0.125	0.107	0.102	0.089	0.088	0.079
48	0.041859	1.000	0.836	0.827	0.790	0.634	0.593	0.469	0.463	0.379	0.365
49	0.040048	1.000	1.000	0.995	0.909	0.871	0.722	0.714	0.589	0.567	0.429
50	0.039986	1.000	0.997	0.917	0.880	0.732	0.724	0.598	0.576	0.435	0.326
51	0.039758	1.000	0.944	0.911	0.769	0.762	0.632	0.609	0.461	0.344	0.304
52	0.038800	1.000	0.995	0.916	0.910	0.788	0.763	0.588	0.437	0.383	0.374
53	0.038537	1.000	0.947	0.942	0.831	0.807	0.628	0.468	0.410	0.399	0.356
54	0.037641	1.000	1.000	0.956	0.940	0.779	0.592	0.518	0.505	0.448	0.391
55	0.037596	1.000	0.960	0.945	0.786	0.599	0.525	0.511	0.454	0.395	0.367
56	0.036840	1.000	0.999	0.908	0.726	0.641	0.625	0.556	0.484	0.449	0.446
57	0.036700	1.000	0.927	0.750	0.665	0.648	0.578	0.503	0.466	0.463	0.305
58	0.035688	1.000	0.919	0.844	0.828	0.751	0.663	0.616	0.612	0.399	0.387
59	0.034645	1.000	0.983	0.975	0.928	0.852	0.805	0.801	0.537	0.520	0.036
60	0.034187	1.000	0.999	0.979	0.926	0.886	0.882	0.612	0.593	0.038	0.118
61	0.034097	1.000	0.986	0.938	0.900	0.897	0.628	0.609	0.038	0.120	
62	0.033695	1.000	0.981	0.956	0.954	0.703	0.682	0.040	0.130		
63	0.033233	1.000	0.994	0.993	0.792	0.771	0.042	0.144			
64	0.032982	1.000	1.000	0.840	0.820	0.044	0.152				
65	0.032961	1.000	0.844	0.824	0.044	0.152					
66	0.031576	1.000	0.999	0.054	0.213						
67	0.031474	1.000	0.054	0.219							
68	0.020893	1.000	0.168								
69	0.026073	1.000									

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R E S P O N S E S P E C T R U M B A S E R E A C T I O N S

IN RESPONSE-SPECTRUM LOCAL COORDINATES

SPEC HORIZ ----------

FOR EACH MODE, DUE TO SPECTRAL ACCELERATION IN DIRECTION U1:

MODE	F1	F2	F3	M1	M2	M3
1	10495.316	.000000	-9.022394	-1082.687	6.0703E+06	-1.2594E+06
2	749.187241	.000000	-5.519838	-662.380559	673717.117	-89902.469
3	0.001965	.000000	0.155762	18.691476	-47.382817	-0.235808
4	2131.009	.000000	5.900312	708.037436	421194.898	-255721.026
5	95.547522	.000000	166.103248	19932.390	-187189.960	-11465.703
6	2.648427	.000000	-132.662711	-15919.525	42211.261	-317.811214
7	66.306485	.000000	28.059029	3367.084	-56837.049	-7956.778
8	0.255220	.000000	-20.888958	-2506.675	7021.114	-30.626423
9	110.776441	.000000	31.426633	3771.196	-59970.194	-13293.173
10	0.456762	.000000	-35.678559	-4281.427	12121.926	-54.811468
11	19.592923	.000000	5.101373	612.164781	-7214.939	-2351.151
12	0.661183	.000000	-37.125534	-4455.064	12620.462	-79.341930
13	2.942611	.000000	0.394387	47.326414	2326.821	-353.113351
14	0.011952	.000000	-0.769643	-92.357165	252.054784	-1.434226
15	0.008005	.000000	0.023831	2.859749	-81.614002	-0.960543
16	0.053387	.000000	-3.243645	-389.237358	1087.373	-6.406450
17	0.672989	.000000	7.605554	912.666534	-2473.937	-80.758698
18	463.838344	.000000	10.287495	1234.499	159567.932	-55660.601
19	498.876346	.000000	8.560319	1027.238	157443.668	-59865.161

20	0.083781	.000000	-8.332434	-999.892034	2935.953	-10.053686
21	411.314360	.000000	-11.811230	-1417.348	78875.389	-49357.723
22	6.761657	.000000	7.714509	925.741060	-4322.502	-811.398809
23	8.600730	.000000	-2.546297	-305.555586	4691.695	-1032.088
24	0.124607	.000000	1.762259	211.471104	-519.571239	-14.952842
25	20.881100	.000000	2.064926	247.791144	25618.153	-2505.732
26	99.893323	.000000	-35.701495	-4284.179	61562.564	-11987.199
27	1.079067	.000000	27.774833	3332.980	-9042.791	-129.488074
28	0.238851	.000000	-0.024127	-2.895291	-358.525552	-28.662161
29	0.097858	.000000	3.164498	379.739713	-1048.283	-11.742997
30	0.165632	.000000	-0.012436	-1.492342	-211.786176	-19.875879
31	0.014653	.000000	0.086366	10.363937	-23.071286	-1.758413
32	0.001585	.000000	-0.180384	-21.646100	65.100555	-0.190199
33	1.203498	.000000	-0.102507	-12.300806	1583.006	-144.419750
34	0.005934	.000000	-0.045974	-5.516907	19.629313	-0.712043
35	0.235222	.000000	1.827591	219.310978	-1527.756	-28.226636
36	0.073958	.000000	-3.316055	-397.926630	992.538068	-8.875011
37	8.286744	.000000	0.849457	101.934835	2278.985	-994.409334
38	0.000116	.000000	0.000472	0.056626	-0.166702	-0.013930
39	3.20E-06	.000000	0.002493	0.299166	-0.861189	-0.000384
40	1.056989	.000000	-0.018480	-2.217649	737.780524	-126.838634
41	1.52E-05	.000000	-0.029979	-3.597505	10.421494	-0.001821
42	0.002689	.000000	0.193044	23.165284	-77.547637	-0.322694
43	0.109174	.000000	-0.307628	-36.915340	-361.800598	-13.100937
44	3.908285	.000000	-1.035205	-124.224591	494.383591	-468.994234
45	0.027120	.000000	1.049447	125.933693	-344.530835	-3.254411
46	0.619326	.000000	-0.141871	-17.024558	625.996394	-74.319064
47	0.004051	.000000	0.209176	25.101101	-67.469832	-0.486165
48	25.198053	.000000	1.468997	176.279692	-2491.488	-3023.766
49	0.000190	.000000	-0.155886	-18.706279	54.055213	-0.022822
50	0.654224	.000000	0.337496	40.499464	527.131204	-78.506884
51	0.098810	.000000	-1.254866	-150.583965	488.195525	-11.857169
52	8.901607	.000000	0.030032	3.603786	4938.729	-1068.193
53	0.000367	.000000	0.010201	1.224078	-3.336422	-0.043990
54	1.050043	.000000	0.138315	16.597791	-139.371109	-126.005108
55	0.009753	.000000	-0.133156	-15.978741	45.196844	-1.170392
56	1.021595	.000000	-0.013112	-1.573420	66.414685	-122.591403
57	3.71E-06	.000000	-6.36E-05	-0.007637	0.019592	-0.000445
58	6.274311	.000000	0.143352	17.202230	1156.911	-752.917362
59	0.002525	.000000	-0.001076	-0.129161	14.700103	-0.303005
60	0.000895	.000000	-0.082286	-9.874291	28.777783	-0.107385
61	1.604690	.000000	-0.019901	-2.388085	-55.673474	-192.562821
62	2.44E-07	.000000	-0.001237	-0.148421	0.425337	-2.93E-05
63	0.062462	.000000	0.016587	1.990435	-160.533177	-7.495403
64	0.535020	.000000	0.023662	2.839405	261.590038	-64.202458
65	4.39E-05	.000000	-0.002749	-0.329876	0.975478	-0.005273
66	0.054057	.000000	-0.443868	-53.264152	141.253355	-6.486889
67	1.817591	.000000	0.160755	19.290629	-771.514225	-218.110872
68	37.042749	.000000	0.079811	9.577341	15722.525	-4445.130
69	3.24E-05	.000000	0.139975	16.797057	-48.637551	-0.003894

COMBINED FOR ALL MODES AND ALL DIRECTIONS OF SPECTRAL ACCELERATION:

	F1	F2	F3	M1	M2	M3
SPEC	10875.090	.000000	60.118038	7214.165	6.1571E+06	1.3050E+06

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J O I N T D I S P L A C E M E N T S

TRANSLATIONS AND ROTATIONS, IN GLOBAL COORDINATES

SPEC HORIZ ----------

JOINT	UX	UY	UZ	RY
1	0.034020	.000000	4.66E-05	.000000
2	0.268644	.000000	0.000130	.000000
3	0.545285	.000000	0.016267	.000000
4	0.545314	.000000	0.016371	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
B3	0.005519	.000000	0.005192	.000000
B4	0.005517	.000000	0.008323	0.000487
B5	0.005520	.000000	0.013770	.000000
B6	0.005521	.000000	0.013766	.000000
B7	0.005518	.000000	0.008320	0.000486
B8	0.005520	.000000	0.005192	.000000
C3	0.026323	.000000	0.010127	.000000
C4	0.026317	.000000	0.015408	0.000407
C7	0.026316	.000000	0.015403	0.000407
C8	0.026323	.000000	0.010127	.000000
D2	.000000	.000000	.000000	0.000992
D3	0.043499	.000000	0.015061	.000000
D4	0.043495	.000000	0.022526	0.000413
D5	0.043482	.000000	0.039945	.000000
D6	0.043481	.000000	0.039934	.000000
D7	0.043495	.000000	0.022519	0.000412
D8	0.043499	.000000	0.015061	.000000
D9	.000000	.000000	.000000	0.000992
E2	0.014466	.000000	0.000887	0.000674
E3	0.017537	.000000	0.016680	.000000
E4	0.018115	.000000	0.024864	.000000
E5	0.018350	.000000	0.044234	.000000
E6	0.018349	.000000	0.044220	.000000
E7	0.018113	.000000	0.024857	.000000
E8	0.017533	.000000	0.016680	.000000
E9	0.014464	.000000	0.000891	0.000674
F2	0.027259	.000000	0.002733	0.000984
F3	0.027420	.000000	0.019667	.000000
F8	0.027406	.000000	0.019668	.000000
F9	0.027245	.000000	0.002743	0.000984
G2	0.114592	.000000	0.005105	0.002429
G3	0.115087	.000000	0.024034	.000000
G4	0.116174	.000000	0.036833	.000000
G5	0.117000	.000000	0.066190	.000000
G6	0.116992	.000000	0.066168	.000000
G7	0.116154	.000000	0.036823	.000000
G8	0.115055	.000000	0.024036	.000000
G9	0.114561	.000000	0.005125	0.002428
H2	0.133482	.000000	0.007457	.000000
H3	0.133403	.000000	0.027796	.000000
H8	0.133358	.000000	0.027794	.000000
H9	0.133439	.000000	0.007490	.000000
I1	0.114667	.000000	0.009805	.000000
I2	0.114652	.000000	0.011870	.000000
I3	0.114048	.000000	0.031469	.000000
I4	0.113148	.000000	0.050990	.000000
I5	0.113346	.000000	0.093983	.000000
I6	0.113343	.000000	0.093947	.000000

I7	0.113141	.000000	0.050977	.000000
I8	0.114040	.000000	0.031460	.000000
I9	0.114642	.000000	0.011911	.000000
J1	0.139804	.000000	0.011908	.000000
J2	0.139779	.000000	0.016178	.000000
J3	0.139567	.000000	0.035108	.000000
J8	0.139520	.000000	0.035093	.000000
J9	0.139730	.000000	0.016231	0.000386
K1	0.113791	.000000	0.022641	.000000
K2	0.113634	.000000	0.020476	.000000
K3	0.112010	.000000	0.038619	.000000
K4	0.109755	.000000	0.056475	.000000
K5	0.107038	.000000	0.121653	.000000
K6	0.107040	.000000	0.121603	.000000
K7	0.109758	.000000	0.056474	.000000
K8	0.112014	.000000	0.038598	.000000
K9	0.113638	.000000	0.020542	.000000
L1	0.140100	.000000	0.021457	.000000
L2	0.140001	.000000	0.024662	.000000
L3	0.139608	.000000	0.042051	.000000
L8	0.139543	.000000	0.042026	.000000
L9	0.139936	.000000	0.024741	.000000
M1	0.530923	.000000	0.115022	.000000
M2	0.530670	.000000	0.028835	.000000
M3	0.525264	.000000	0.045329	.000000
M4	0.508351	.000000	0.061996	.000000
M5	0.490722	.000000	0.149013	.000000
M6	0.490733	.000000	0.148947	.000000
M7	0.508377	.000000	0.062008	.000000
M8	0.525306	.000000	0.045299	.000000
M9	0.530714	.000000	0.028928	.000000
N1	0.564238	.000000	0.123568	.000000
N2	0.563290	.000000	0.030898	.000000
N3	0.563723	.000000	0.046819	.000000
N8	0.563739	.000000	0.046788	.000000
N9	0.563306	.000000	0.031003	.000000
O4	0.396428	.000000	0.068296	.000000
O7	0.396698	.000000	0.068323	.000000
P1	0.401225	.000000	0.083269	.000000
P2	0.400469	.000000	0.031157	.000000
P3	0.398960	.000000	0.047437	.000000
P4	0.396428	.000000	0.068359	.000000
P5	0.397634	.000000	0.150118	.000000
P6	0.397724	.000000	0.150049	.000000
P7	0.396698	.000000	0.068386	.000000
P8	0.399431	.000000	0.047407	.000000
P9	0.401140	.000000	0.031293	.000000
E2A	0.016007	.000000	0.009528	0.000246
E2B	0.017033	.000000	0.014473	0.000229
E3A	0.017649	.000000	0.013259	0.000569
E3B	0.017852	.000000	0.013505	0.000522
E3C	0.018034	.000000	0.019866	0.000585
E4A	0.018167	.000000	0.028391	0.000334
E4B	0.018271	.000000	0.036869	0.000283
E6A	0.018269	.000000	0.036859	0.000283
E6B	0.018165	.000000	0.028382	0.000334
E7A	0.018031	.000000	0.019882	0.000586
E7B	0.017849	.000000	0.013578	0.000521
E7C	0.017646	.000000	0.013296	0.000569
E8A	0.017029	.000000	0.014477	0.000229
E8B	0.016004	.000000	0.009539	0.000246
G2A	0.114711	.000000	0.009020	0.000619
G2B	0.114886	.000000	0.018785	0.000390

G2C	0.115038	.000000	0.022377	0.000535
G3A	0.115329	.000000	0.020064	0.000893
G3B	0.115697	.000000	0.023920	0.000766
G3C	0.116048	.000000	0.031787	0.000935
G4A	0.116478	.000000	0.048242	0.000464
G6A	0.116462	.000000	0.048209	0.000464
G7A	0.116027	.000000	0.031806	0.000937
G7B	0.115671	.000000	0.024033	0.000766
G7C	0.115300	.000000	0.020108	0.000896
G8A	0.115006	.000000	0.022383	0.000532
G8B	0.114854	.000000	0.018761	0.000390
G8C	0.114679	.000000	0.009016	0.000618
I10	0.114658	.000000	0.009937	.000000
I1A	0.114664	.000000	0.008553	0.001047
I2A	0.114545	.000000	0.014898	0.000968
I2B	0.114352	.000000	0.027244	0.000566
I2C	0.114134	.000000	0.029758	0.000846
I3A	0.113871	.000000	0.026213	0.001080
I3B	0.113576	.000000	0.030938	0.001027
I3C	0.113262	.000000	0.044196	0.001151
I4A	0.113184	.000000	0.058091	0.000662
I6A	0.113177	.000000	0.058072	0.000662
I7A	0.113254	.000000	0.044185	0.001150
I7B	0.113568	.000000	0.030931	0.001026
I7C	0.113862	.000000	0.026214	0.001079
I8A	0.114125	.000000	0.029816	0.000856
I8B	0.114343	.000000	0.027560	0.000566
I8C	0.114536	.000000	0.015174	0.000975
I9A	0.114654	.000000	0.008656	0.001052
J10	0.139756	.000000	0.012061	0.000386
K10	0.113795	.000000	0.022777	.000000
K1A	0.113784	.000000	0.020148	0.000866
K1B	0.113697	.000000	0.015714	0.000886
K2A	0.113359	.000000	0.020620	0.001392
K2B	0.112841	.000000	0.035949	0.000762
K2C	0.112261	.000000	0.036779	0.001191
K3A	0.111588	.000000	0.032017	0.001186
K3B	0.110619	.000000	0.036914	0.001187
K7A	0.110622	.000000	0.036943	0.001186
K7B	0.111591	.000000	0.032034	0.001185
K8A	0.112265	.000000	0.036945	0.001223
K8B	0.112845	.000000	0.036797	0.000762
K8C	0.113363	.000000	0.021201	0.001416
K9A	0.113701	.000000	0.015784	0.000890
K9B	0.113788	.000000	0.020279	0.000869
L10	0.140034	.000000	0.021636	.000000
M10	0.530967	.000000	0.115264	.000000
M3A	0.519647	.000000	0.029860	0.001273
M7A	0.519683	.000000	0.029906	0.001272
N10	0.564254	.000000	0.123813	.000000
N1A	0.564172	.000000	0.116013	0.001277
N1B	0.563886	.000000	0.085407	0.001318
N1C	0.563557	.000000	0.053805	0.001371
N2A	0.563345	.000000	0.025459	0.001021
N2B	0.563512	.000000	0.015946	0.001009
N2C	0.563647	.000000	0.031352	0.000989
N8A	0.563663	.000000	0.031366	0.000988
N8B	0.563528	.000000	0.016095	0.001008
N8C	0.563361	.000000	0.025583	0.001020
N9A	0.563573	.000000	0.053913	0.001375
N9B	0.563902	.000000	0.085576	0.001322
N9C	0.564188	.000000	0.116243	0.001280
P10	0.402029	.000000	0.083849	.000000

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J O I N T A C C E L E R A T I O N S

TRANSLATIONS AND ROTATIONS, IN GLOBAL COORDINATES

SPEC HORIZ ----------

JOINT	UX	UY	UZ	RY
1	36.568591	.000000	0.216744	.000000
2	50.413844	.000000	0.637986	.000000
3	85.830273	.000000	17.106613	.000000
4	85.855337	.000000	17.272378	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
B3	16.686006	.000000	4.881814	.000000
B4	15.551529	.000000	1.843722	1.969695
B5	17.471431	.000000	4.488639	.000000
B6	17.471012	.000000	4.490834	.000000
B7	15.550323	.000000	1.851736	1.966460
B8	16.684762	.000000	4.891804	.000000
C3	64.057934	.000000	9.501459	.000000
C4	63.924311	.000000	3.014150	0.304231
C7	63.807614	.000000	3.020762	0.304222
C8	63.940991	.000000	9.521032	.000000
D2	.000000	.000000	.000000	3.781258
D3	43.361830	.000000	14.082035	.000000
D4	42.935455	.000000	4.917158	2.063747
D5	41.918856	.000000	12.998544	.000000
D6	41.917464	.000000	13.004685	.000000
D7	42.934007	.000000	4.921590	2.060913
D8	43.360396	.000000	14.111343	.000000
D9	.000000	.000000	.000000	3.780711
E2	54.949849	.000000	0.700924	2.518381
E3	63.979354	.000000	15.569984	.000000
E4	67.164017	.000000	5.583374	.000000
E5	68.429265	.000000	13.902343	.000000
E6	68.425268	.000000	13.908350	.000000
E7	67.152133	.000000	5.587272	.000000
E8	63.959624	.000000	15.602539	.000000
E9	54.941793	.000000	0.707370	2.517990
F2	73.772013	.000000	2.157832	0.739894
F3	75.045201	.000000	17.620909	.000000
F8	74.960450	.000000	17.670379	.000000
F9	73.689519	.000000	2.177738	0.749762
G2	47.751619	.000000	4.034612	1.638240
G3	45.046293	.000000	19.904001	.000000
G4	45.430899	.000000	8.981380	.000000
G5	44.381373	.000000	18.562083	.000000
G6	44.423917	.000000	18.563815	.000000
G7	45.561874	.000000	8.980820	.000000
G8	45.250926	.000000	19.982552	.000000
G9	48.055556	.000000	4.058146	1.662604
H2	64.904315	.000000	5.722945	.000000
H3	63.435981	.000000	21.224214	.000000

H8	63.914499	.000000	21.291433	.000000
H9	65.482786	.000000	5.767656	.000000
I1	45.524960	.000000	11.892202	.000000
I2	45.470462	.000000	9.156737	.000000
I3	43.745797	.000000	21.715406	.000000
I4	41.154173	.000000	12.520269	.000000
I5	42.172669	.000000	25.535784	.000000
I6	42.177605	.000000	25.544002	.000000
I7	41.171250	.000000	12.524845	.000000
I8	43.763685	.000000	21.753337	.000000
I9	45.490022	.000000	9.157483	.000000
J1	61.884119	.000000	14.433118	.000000
J2	61.717427	.000000	11.588151	.000000
J3	60.479340	.000000	22.593536	.000000
J8	60.491716	.000000	22.614695	.000000
J9	61.725622	.000000	11.612425	0.670485
K1	74.987240	.000000	27.953067	.000000
K2	74.752191	.000000	14.127568	.000000
K3	72.448640	.000000	23.884812	.000000
K4	69.274199	.000000	15.120662	.000000
K5	65.498264	.000000	32.821742	.000000
K6	65.497991	.000000	32.836109	.000000
K7	69.271202	.000000	15.153956	.000000
K8	72.441690	.000000	23.897233	.000000
K9	74.742570	.000000	14.199375	.000000
L1	88.663746	.000000	30.680969	.000000
L2	88.486898	.000000	16.658324	.000000
L3	87.807347	.000000	25.766804	.000000
L8	87.730256	.000000	25.779774	.000000
L9	88.407832	.000000	16.790360	.000000
M1	84.112458	.000000	34.142513	.000000
M2	84.048869	.000000	19.364506	.000000
M3	83.100782	.000000	27.944352	.000000
M4	80.445251	.000000	18.349987	.000000
M5	77.794307	.000000	35.329048	.000000
M6	77.798664	.000000	35.381656	.000000
M7	80.461586	.000000	18.398670	.000000
M8	83.135228	.000000	27.966090	.000000
M9	84.088728	.000000	19.560813	.000000
N1	89.127313	.000000	35.127531	.000000
N2	88.941229	.000000	21.373817	.000000
N3	89.031859	.000000	29.564698	.000000
N8	89.038156	.000000	29.587380	.000000
N9	88.946255	.000000	21.623588	.000000
O4	67.183899	.000000	22.546047	.000000
O7	67.300371	.000000	22.596503	.000000
P1	68.662556	.000000	32.830869	.000000
P2	68.436152	.000000	22.922609	.000000
P3	67.957200	.000000	31.009515	.000000
P4	67.183899	.000000	22.702134	.000000
P5	67.558689	.000000	36.633334	.000000
P6	67.600124	.000000	36.721960	.000000
P7	67.300371	.000000	22.753039	.000000
P8	68.179708	.000000	31.032589	.000000
P9	68.760048	.000000	23.351570	.000000
E2A	59.565242	.000000	22.066679	0.363265
E2B	62.554637	.000000	17.656890	0.776857
E3A	64.601891	.000000	23.215204	1.199107
E3B	65.723738	.000000	35.137518	0.371888
E3C	66.719708	.000000	18.469601	1.253476
E4A	67.443017	.000000	6.678771	0.245014
E4B	68.004892	.000000	9.868093	0.241618
E6A	67.997598	.000000	10.165091	0.242292

E6B	67.432443	.000000	6.796082	0.259918
E7A	66.706527	.000000	18.573321	1.253655
E7B	65.707959	.000000	35.237953	0.371912
E7C	64.583492	.000000	23.280346	1.200684
E8A	62.536890	.000000	17.695257	0.776549
E8B	59.551415	.000000	22.090530	0.363466
G2A	47.273338	.000000	19.304675	0.957844
G2B	46.430065	.000000	28.068590	0.757200
G2C	45.453925	.000000	20.237037	1.292497
G3A	45.204849	.000000	24.517588	1.582206
G3B	45.359599	.000000	38.794050	0.512115
G3C	45.435129	.000000	16.935462	1.631591
G4A	45.086797	.000000	11.369597	0.261066
G6A	45.186694	.000000	11.593830	0.263302
G7A	45.576156	.000000	16.991907	1.652096
G7B	45.526323	.000000	39.189922	0.510594
G7C	45.395598	.000000	24.639653	1.602093
G8A	45.671420	.000000	20.208818	1.290505
G8B	46.681163	.000000	27.876441	0.760695
G8C	47.557161	.000000	19.242596	0.951665
I10	45.544274	.000000	12.426591	.000000
I1A	45.514335	.000000	9.087356	1.103576
I2A	45.156392	.000000	28.822005	1.439132
I2B	44.600589	.000000	41.946466	0.929353
I2C	43.988998	.000000	25.825250	1.749344
I3A	43.227755	.000000	26.944138	1.190789
I3B	42.370257	.000000	34.080593	0.615101
I3C	41.471585	.000000	16.315409	1.390753
I4A	41.317950	.000000	14.790585	0.594045
I6A	41.332811	.000000	14.794672	0.597656
I7A	41.488783	.000000	16.280674	1.400257
I7B	42.387707	.000000	34.115855	0.624062
I7C	43.245446	.000000	26.940229	1.198713
I8A	44.007073	.000000	26.066041	1.764670
I8B	44.619287	.000000	42.567203	0.927793
I8C	45.175666	.000000	29.219897	1.454307
I9A	45.533724	.000000	9.411661	1.141110
J10	61.891516	.000000	15.278799	0.670485
K10	74.977207	.000000	29.215599	.000000
K1A	74.976047	.000000	25.662915	1.348660
K1B	74.846108	.000000	17.472314	1.266384
K2A	74.361215	.000000	32.227720	2.094454
K2B	73.624920	.000000	55.619754	0.835534
K2C	72.803585	.000000	32.447527	2.159312
K3A	71.851483	.000000	31.419239	1.144149
K3B	70.485126	.000000	35.879761	0.703841
K7A	70.480731	.000000	35.965466	0.705996
K7B	71.845333	.000000	31.451641	1.150184
K8A	72.796176	.000000	33.075346	2.215902
K8B	73.616503	.000000	57.310883	0.837585
K8C	74.351976	.000000	33.296327	2.145221
K9A	74.836315	.000000	17.998312	1.323227
K9B	74.966029	.000000	26.826542	1.405511
L10	88.584282	.000000	32.258198	.000000
M10	84.152858	.000000	36.083095	.000000
M3A	82.200775	.000000	28.442342	0.317637
M7A	82.228535	.000000	28.595117	0.322814
N10	89.133308	.000000	37.294623	.000000
N1A	89.114150	.000000	33.239043	0.546517
N1B	89.057174	.000000	26.022779	0.595654
N1C	88.992856	.000000	19.515724	0.747901
N2A	88.952161	.000000	20.911389	0.593830
N2B	88.986351	.000000	22.776270	0.522155

N2C	89.014992	.000000	25.880887	0.558055
N8A	89.020991	.000000	26.054828	0.560718
N8B	88.991929	.000000	23.127854	0.520861
N8C	88.957307	.000000	21.205323	0.595954
N9A	88.998124	.000000	19.568436	0.798294
N9B	89.062771	.000000	27.153886	0.629059
N9C	89.120067	.000000	35.268819	0.554807
P10	69.049009	.000000	35.568468	.000000

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S P R I N G F O R C E S

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

SPEC HORIZ ----------

JOINT	FX	FY	FZ	MY
1	.000000	.000000	.000000	.000000
2	.000000	.000000	.000000	.000000
3	.000000	.000000	.000000	.000000
4	.000000	.000000	.000000	.000000
A3	.000000	.000000	.000000	.000000
A4	.000000	.000000	.000000	.000000
A5	.000000	.000000	.000000	.000000
A6	.000000	.000000	.000000	.000000
A7	.000000	.000000	.000000	.000000
A8	.000000	.000000	.000000	.000000
B3	.000000	.000000	.000000	.000000
B4	.000000	.000000	.000000	0.000487
B5	.000000	.000000	.000000	.000000
B6	.000000	.000000	.000000	.000000
B7	.000000	.000000	.000000	0.000486
B8	.000000	.000000	.000000	.000000
C3	.000000	.000000	.000000	.000000
C4	.000000	.000000	.000000	0.000407
C7	.000000	.000000	.000000	0.000407
C8	.000000	.000000	.000000	.000000
D2	.000000	.000000	.000000	0.000992
D3	.000000	.000000	.000000	.000000
D4	.000000	.000000	.000000	0.000413
D5	.000000	.000000	.000000	.000000
D6	.000000	.000000	.000000	.000000
D7	.000000	.000000	.000000	0.000412
D8	.000000	.000000	.000000	.000000
D9	.000000	.000000	.000000	0.000992
E2	.000000	.000000	.000000	0.000674
E3	.000000	.000000	.000000	.000000
E4	.000000	.000000	.000000	.000000
E5	.000000	.000000	.000000	.000000
E6	.000000	.000000	.000000	.000000
E7	.000000	.000000	.000000	.000000
E8	.000000	.000000	.000000	.000000
E9	.000000	.000000	.000000	0.000674
F2	.000000	.000000	.000000	0.000984
F3	.000000	.000000	.000000	.000000
F8	.000000	.000000	.000000	.000000
F9	.000000	.000000	.000000	0.000984
G2	.000000	.000000	.000000	0.002429
G3	.000000	.000000	.000000	.000000

G4	.000000	.000000	.000000	.000000
G5	.000000	.000000	.000000	.000000
G6	.000000	.000000	.000000	.000000
G7	.000000	.000000	.000000	.000000
G8	.000000	.000000	.000000	.000000
G9	.000000	.000000	.000000	0.002428
H2	.000000	.000000	.000000	.000000
H3	.000000	.000000	.000000	.000000
H8	.000000	.000000	.000000	.000000
H9	.000000	.000000	.000000	.000000
I1	.000000	.000000	.000000	.000000
I2	.000000	.000000	.000000	.000000
I3	.000000	.000000	.000000	.000000
I4	.000000	.000000	.000000	.000000
I5	.000000	.000000	.000000	.000000
I6	.000000	.000000	.000000	.000000
I7	.000000	.000000	.000000	.000000
I8	.000000	.000000	.000000	.000000
I9	.000000	.000000	.000000	.000000
J1	.000000	.000000	.000000	.000000
J2	.000000	.000000	.000000	.000000
J3	.000000	.000000	.000000	.000000
J8	.000000	.000000	.000000	.000000
J9	.000000	.000000	.000000	0.000386
K1	.000000	.000000	.000000	.000000
K2	.000000	.000000	.000000	.000000
K3	.000000	.000000	.000000	.000000
K4	.000000	.000000	.000000	.000000
K5	.000000	.000000	.000000	.000000
K6	.000000	.000000	.000000	.000000
K7	.000000	.000000	.000000	.000000
K8	.000000	.000000	.000000	.000000
K9	.000000	.000000	.000000	.000000
L1	.000000	.000000	.000000	.000000
L2	.000000	.000000	.000000	.000000
L3	.000000	.000000	.000000	.000000
L8	.000000	.000000	.000000	.000000
L9	.000000	.000000	.000000	.000000
M1	.000000	.000000	.000000	.000000
M2	.000000	.000000	.000000	.000000
M3	.000000	.000000	.000000	.000000
M4	.000000	.000000	.000000	.000000
M5	.000000	.000000	.000000	.000000
M6	.000000	.000000	.000000	.000000
M7	.000000	.000000	.000000	.000000
M8	.000000	.000000	.000000	.000000
M9	.000000	.000000	.000000	.000000
N1	.000000	.000000	.000000	.000000
N2	.000000	.000000	.000000	.000000
N3	.000000	.000000	.000000	.000000
N8	.000000	.000000	.000000	.000000
N9	.000000	.000000	.000000	.000000
O4	.000000	.000000	.000000	.000000
O7	.000000	.000000	.000000	.000000
P1	.000000	.000000	.000000	.000000
P2	.000000	.000000	.000000	.000000
P3	.000000	.000000	.000000	.000000
P4	.000000	.000000	.000000	.000000
P5	.000000	.000000	.000000	.000000
P6	.000000	.000000	.000000	.000000
P7	.000000	.000000	.000000	.000000
P8	.000000	.000000	.000000	.000000
P9	.000000	.000000	.000000	.000000

E2A	.000000	.000000	.000000	0.000246
E2B	.000000	.000000	.000000	0.000229
E3A	.000000	.000000	.000000	0.000569
E3B	.000000	.000000	.000000	0.000522
E3C	.000000	.000000	.000000	0.000585
E4A	.000000	.000000	.000000	0.000334
E4B	.000000	.000000	.000000	0.000283
E6A	.000000	.000000	.000000	0.000283
E6B	.000000	.000000	.000000	0.000334
E7A	.000000	.000000	.000000	0.000586
E7B	.000000	.000000	.000000	0.000521
E7C	.000000	.000000	.000000	0.000569
E8A	.000000	.000000	.000000	0.000229
E8B	.000000	.000000	.000000	0.000246
G2A	.000000	.000000	.000000	0.000619
G2B	.000000	.000000	.000000	0.000390
G2C	.000000	.000000	.000000	0.000535
G3A	.000000	.000000	.000000	0.000893
G3B	.000000	.000000	.000000	0.000766
G3C	.000000	.000000	.000000	0.000935
G4A	.000000	.000000	.000000	0.000464
G6A	.000000	.000000	.000000	0.000464
G7A	.000000	.000000	.000000	0.000937
G7B	.000000	.000000	.000000	0.000766
G7C	.000000	.000000	.000000	0.000896
G8A	.000000	.000000	.000000	0.000532
G8B	.000000	.000000	.000000	0.000390
G8C	.000000	.000000	.000000	0.000618
I10	.000000	.000000	.000000	.000000
I1A	.000000	.000000	.000000	0.001047
I2A	.000000	.000000	.000000	0.000968
I2B	.000000	.000000	.000000	0.000566
I2C	.000000	.000000	.000000	0.000846
I3A	.000000	.000000	.000000	0.001080
I3B	.000000	.000000	.000000	0.001027
I3C	.000000	.000000	.000000	0.001151
I4A	.000000	.000000	.000000	0.000662
I6A	.000000	.000000	.000000	0.000662
I7A	.000000	.000000	.000000	0.001150
I7B	.000000	.000000	.000000	0.001026
I7C	.000000	.000000	.000000	0.001079
I8A	.000000	.000000	.000000	0.000856
I8B	.000000	.000000	.000000	0.000566
I8C	.000000	.000000	.000000	0.000975
I9A	.000000	.000000	.000000	0.001052
J10	.000000	.000000	.000000	0.000386
K10	.000000	.000000	.000000	.000000
K1A	.000000	.000000	.000000	0.000866
K1B	.000000	.000000	.000000	0.000886
K2A	.000000	.000000	.000000	0.001392
K2B	.000000	.000000	.000000	0.000762
K2C	.000000	.000000	.000000	0.001191
K3A	.000000	.000000	.000000	0.001186
K3B	.000000	.000000	.000000	0.001187
K7A	.000000	.000000	.000000	0.001186
K7B	.000000	.000000	.000000	0.001185
K8A	.000000	.000000	.000000	0.001223
K8B	.000000	.000000	.000000	0.000762
K8C	.000000	.000000	.000000	0.001416
K9A	.000000	.000000	.000000	0.000890
K9B	.000000	.000000	.000000	0.000869
L10	.000000	.000000	.000000	.000000
M10	.000000	.000000	.000000	.000000

M3A	.000000	.000000	.000000	0.001273
M7A	.000000	.000000	.000000	0.001272
N10	.000000	.000000	.000000	.000000
N1A	.000000	.000000	.000000	0.001277
N1B	.000000	.000000	.000000	0.001318
N1C	.000000	.000000	.000000	0.001371
N2A	.000000	.000000	.000000	0.001021
N2B	.000000	.000000	.000000	0.001009
N2C	.000000	.000000	.000000	0.000989
N8A	.000000	.000000	.000000	0.000988
N8B	.000000	.000000	.000000	0.001008
N8C	.000000	.000000	.000000	0.001020
N9A	.000000	.000000	.000000	0.001375
N9B	.000000	.000000	.000000	0.001322
N9C	.000000	.000000	.000000	0.001280
P10	.000000	.000000	.000000	.000000

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R E S T R A I N T F O R C E S (R E A C T I O N S)

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

SPEC HORIZ ----------

JOINT	FX	FY	FZ	MY
A3	828.961069	.000000	1421.857	.000000
A4	.000000	.000000	2826.400	.000000
A5	.000000	.000000	4676.341	.000000
A6	.000000	.000000	4674.960	.000000
A7	.000000	.000000	2825.360	.000000
A8	828.778194	.000000	1422.150	.000000
D2	4844.476	.000000	8074.866	.000000
D9	4844.904	.000000	8081.822	.000000

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C O N S T R A I N T F O R C E S

FORCES AND MOMENTS ACTING ON JOINTS, IN GLOBAL COORDINATES

SPEC HORIZ ----------

JOINT	FX	FY	FZ	MY
O4	1631.167	.000000	.000000	.000000
O7	1638.640	.000000	.000000	.000000
P4	1631.242	.000000	.000000	.000000
P7	1638.571	.000000	.000000	.000000

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G L O B A L F O R C E B A L A N C E

TOTAL FORCE AND MOMENT AT THE ORIGIN, IN GLOBAL COORDINATES

LOAD DEAD ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	7.72E-15	-5.32E-30	-3281.430	-393771.644	1.1374E+06	-9.26E-13
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	-1.17E-05	.000000
REACTNS	-1.48E-12	-6.63E-31	3281.430	393771.644	-1.1374E+06	1.76E-10
CONSTRS	-7.82E-14	.000000	.000000	.000000	7.02E-05	9.09E-12
TOTAL	-1.55E-12	-5.99E-30	-1.36E-12	2.91E-10	9.67E-10	1.84E-10

LOADMANIFOLD ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-15152.000	-1.8182E+06	5.2521E+06	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	0.001443	.000000
REACTNS	-8.75E-12	.000000	15152.000	1.8182E+06	-5.2521E+06	1.05E-09
CONSTRS	.000000	.000000	.000000	.000000	-1.23E-11	5.46E-12
TOTAL	-8.75E-12	.000000	-3.27E-11	-3.73E-09	1.86E-08	1.05E-09

LOAD TBAR ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-10124.000	-1.2149E+06	3.5092E+06	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	-3.14E-05	.000000
REACTNS	-1.02E-11	.000000	10124.000	1.2149E+06	-3.5092E+06	1.23E-09
CONSTRS	-6.25E-13	.000000	.000000	.000000	-3.91E-10	7.41E-11
TOTAL	-1.09E-11	.000000	-1.09E-11	-1.40E-09	4.73E-09	1.30E-09

LOADTOPCOVER ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-15722.000	-1.8866E+06	5.4496E+06	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	1.58E-05	.000000
REACTNS	-8.98E-12	.000000	15722.000	1.8866E+06	-5.4496E+06	1.07E-09
CONSTRS	5.68E-14	.000000	.000000	.000000	0.002563	-8.19E-12
TOTAL	-8.92E-12	.000000	-1.82E-11	-2.33E-09	1.15E-08	1.06E-09

LOAD PEWALLS ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-20356.000	-2.4427E+06	7.0559E+06	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	0.000326	.000000
REACTNS	-9.32E-12	.000000	20356.000	2.4427E+06	-7.0559E+06	1.12E-09
CONSTRS	-9.09E-13	.000000	.000000	.000000	-5.79E-10	1.10E-10
TOTAL	-1.02E-11	.000000	-7.28E-12	-9.31E-10	3.15E-09	1.23E-09

LOADHOTBASIN ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-6624.000	-794880.000	2.2960E+06	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	5.52E-05	.000000
REACTNS	-5.40E-12	.000000	6624.000	794880.000	-2.2960E+06	6.46E-10

CONSTRS	.000000	.000000	.000000	.000000	-1.65E-11	4.09E-12
TOTAL	-5.40E-12	.000000	-1.27E-11	-1.51E-09	8.83E-09	6.50E-10

LOADDRIFTELM ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-1092.000	-131040.000	378514.500	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	7.87E-06	.000000
REACTNS	-2.84E-14	.000000	1092.000	131040.000	-378514.500	3.64E-12
CONSTRS	2.13E-14	.000000	.000000	.000000	1.36E-11	-2.19E-12
TOTAL	-7.11E-15	.000000	-2.27E-13	-2.91E-11	1.30E-10	1.45E-12

LOADFANMOTOR ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	.000000	.000000	.000000	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	.000000	.000000	.000000	.000000

LOADCABLETRY ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-360.000000	-43200.000	232537.500	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	-0.000572	.000000
REACTNS	4.32E-12	.000000	360.000000	43200.000	-231927.521	-5.18E-10
CONSTRS	2.91E-13	.000000	.000000	.000000	-609.978716	-3.47E-11
TOTAL	4.61E-12	.000000	-2.10E-12	-2.47E-10	3.66E-09	-5.53E-10

LOADLOUVERWL ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	-3258.000	-390960.000	1.1293E+06	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	-0.000769	.000000
REACTNS	-1.85E-12	.000000	3258.000	390960.000	-1.1293E+06	2.23E-10
CONSTRS	-7.11E-15	.000000	.000000	.000000	0.000411	1.65E-12
TOTAL	-1.86E-12	.000000	-1.82E-12	-2.33E-10	3.95E-09	2.24E-10

LOAD SECDIST ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	.000000	.000000
REACTNS	.000000	.000000	.000000	.000000	.000000	.000000
CONSTRS	.000000	.000000	.000000	.000000	.000000	.000000
TOTAL	.000000	.000000	.000000	.000000	.000000	.000000

MODE 1 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000

INERTIA	1855.991	.000000	-1.595519	-191.462310	1.0735E+06	-222718.869
SPRINGS	.000000	.000000	.000000	.000000	-1.90E-05	.000000
REACTNS	-1855.955	.000000	1.404528	168.543385	-1.0665E+06	222714.600
CONSTRS	0.008922	.000000	.000000	.000000	-6843.584	-1.070626
TOTAL	0.044498	.000000	-0.190991	-22.918925	89.349019	-5.339771

MODE 2 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	1582.817	.000000	-11.661831	-1399.420	1.4234E+06	-189938.080
SPRINGS	.000000	.000000	.000000	.000000	-0.003676	.000000
REACTNS	-1582.973	.000000	12.004844	1440.581	-1.3930E+06	189956.807
CONSTRS	-0.298868	.000000	.000000	.000000	-30920.395	35.864133
TOTAL	-0.454927	.000000	0.343012	41.161484	-515.833514	54.591217

MODE 3 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	4.402657	.000000	348.979084	41877.490	-106159.272	-528.318870
SPRINGS	.000000	.000000	.000000	.000000	0.000895	.000000
REACTNS	-4.942222	.000000	-348.414391	-41809.727	105924.552	593.066690
CONSTRS	-0.176159	.000000	.000000	.000000	-73.983875	21.139035
TOTAL	-0.715724	.000000	0.564693	67.763214	-308.703378	85.886855

MODE 4 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-5275.048	.000000	-14.605492	-1752.659	-1.0426E+06	633005.752
SPRINGS	.000000	.000000	.000000	.000000	0.017862	.000000
REACTNS	5274.789	.000000	15.070502	1808.460	1.0622E+06	-632974.650
CONSTRS	-0.063582	.000000	.000000	.000000	-19993.690	7.629865
TOTAL	-0.322770	.000000	0.465010	55.801221	-413.237314	38.732407

MODE 5 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-1801.443	.000000	-3131.693	-375803.190	3.5293E+06	216173.158
SPRINGS	.000000	.000000	.000000	.000000	-0.018626	.000000
REACTNS	1800.786	.000000	3132.489	375898.717	-3.5512E+06	-216094.309
CONSTRS	-0.178438	.000000	.000000	.000000	21278.901	21.412517
TOTAL	-0.835509	.000000	0.796053	95.526309	-692.552938	100.261127

MODE 6 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-305.319906	.000000	15293.821	1.8353E+06	-4.8663E+06	36638.389
SPRINGS	.000000	.000000	.000000	.000000	-0.004267	.000000
REACTNS	304.475111	.000000	-15293.803	-1.8353E+06	4.8618E+06	-36537.013
CONSTRS	-0.316530	.000000	.000000	.000000	3961.717	37.983640
TOTAL	-1.161326	.000000	0.018467	2.216012	-489.521185	139.359079

MODE 7 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	1786.414	.000000	755.959917	90715.190	-1.5313E+06	-214369.691
SPRINGS	.000000	.000000	.000000	.000000	0.009263	.000000
REACTNS	-1785.208	.000000	-757.750498	-90930.060	1.5418E+06	214224.901
CONSTRS	0.402790	.000000	.000000	.000000	-9135.879	-48.334849
TOTAL	1.609378	.000000	-1.790581	-214.869661	1416.268	-193.125314

MODE 8 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-112.412431	.000000	9200.598	1.1041E+06	-3.0925E+06	13489.492
SPRINGS	.000000	.000000	.000000	.000000	-0.001208	.000000
REACTNS	113.616431	.000000	-9204.350	-1.1045E+06	3.0929E+06	-13633.972
CONSTRS	-0.015164	.000000	.000000	.000000	951.310682	1.819733
TOTAL	1.188836	.000000	-3.751631	-450.195704	1373.132	-142.660281

MODE 9 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-2527.734	.000000	-717.103340	-86052.401	1.3684E+06	303328.031
SPRINGS	.000000	.000000	.000000	.000000	0.009297	.000000
REACTNS	2529.558	.000000	714.478347	85737.402	-1.3724E+06	-303546.969
CONSTRS	0.357952	.000000	.000000	.000000	5788.621	-42.954246
TOTAL	2.182438	.000000	-2.624992	-314.999094	1784.313	-261.892561

MODE 10 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	167.984741	.000000	-13121.605	-1.5746E+06	4.4581E+06	-20158.169
SPRINGS	.000000	.000000	.000000	.000000	0.000588	.000000
REACTNS	-167.555063	.000000	13118.449	1.5742E+06	-4.4555E+06	20106.608
CONSTRS	-0.190653	.000000	.000000	.000000	-1342.375	22.878380
TOTAL	0.239025	.000000	-3.156028	-378.723306	1296.822	-28.683015

MODE 11 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-1141.294	.000000	-297.156536	-35658.784	420272.385	136955.245
SPRINGS	.000000	.000000	.000000	.000000	0.021295	.000000
REACTNS	1140.127	.000000	302.833097	36339.972	-418045.419	-136815.193
CONSTRS	0.192367	.000000	.000000	.000000	-4260.587	-23.084030
TOTAL	-0.974735	.000000	5.676561	681.187321	-2033.600	116.968223

MODE 12 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-213.830420	.000000	12006.618	1.4408E+06	-4.0815E+06	25659.650
SPRINGS	.000000	.000000	.000000	.000000	0.000898	.000000
REACTNS	213.915040	.000000	-12008.934	-1.4411E+06	4.0817E+06	-25669.805
CONSTRS	-0.545694	.000000	.000000	.000000	331.709280	65.483254

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  TOTAL   -0.461074     .000000   -2.316155 -277.938581  501.665666   55.328868

MODE      13 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  495.481384     .000000   66.407450    7968.894  391793.606  -59457.766
SPRINGS     .000000     .000000     .000000     .000000    0.023251     .000000
REACTNS -493.909135     .000000  -67.400432   -8088.052 -371865.492   59269.096
CONSTRS   -1.129860     .000000     .000000     .000000  -20124.847  135.583173

  TOTAL    0.442389     .000000   -0.992982 -119.157890 -196.709577  -53.086652

MODE      14 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   31.840668     .000000   -2050.385 -246046.144  671492.112   -3820.880
SPRINGS     .000000     .000000     .000000     .000000   -0.000832     .000000
REACTNS  -31.780128     .000000    2052.093  246251.186 -672190.792    3813.615
CONSTRS   -0.360135     .000000     .000000     .000000  187.415268   43.216191

  TOTAL   -0.299595     .000000    1.708683  205.041994 -511.265684   35.951454

MODE      15 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   26.517772     .000000   78.949271    9473.913 -270374.722   -3182.133
SPRINGS     .000000     .000000     .000000     .000000   -0.016895     .000000
REACTNS  -26.254977     .000000  -78.181258   -9381.751  255141.171    3150.597
CONSTRS   -0.159686     .000000     .000000     .000000   15125.592   19.162361

  TOTAL    0.103109     .000000    0.768013   92.161598 -107.976188  -12.373100

MODE      16 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  -68.913004     .000000    4186.955  502434.585 -1.4036E+06    8269.561
SPRINGS     .000000     .000000     .000000     .000000    0.001340     .000000
REACTNS   68.853227     .000000   -4186.159 -502339.114  1.4041E+06   -8262.387
CONSTRS   -0.186874     .000000     .000000     .000000 -856.280222   22.424826

  TOTAL   -0.246651     .000000    0.795596   95.471553 -318.122402   29.598152

MODE      17 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  310.334197     .000000    3507.135  420856.167 -1.1408E+06  -37240.104
SPRINGS     .000000     .000000     .000000     .000000   -0.000237     .000000
REACTNS -310.060513     .000000   -3511.975 -421437.021  1.1444E+06   37207.262
CONSTRS    1.308837     .000000     .000000     .000000   -1216.265 -157.060448

  TOTAL    1.582521     .000000   -4.840447 -580.853656    2368.852 -189.902527

MODE      18 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -8324.109     .000000 -184.620860  -22154.503 -2.8636E+06  998893.096
SPRINGS     .000000     .000000     .000000     .000000    0.018785     .000000
```

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REACTNS    8324.307     .000000  181.532524   21783.903  2.8052E+06 -998916.830
CONSTRS   -0.335743     .000000     .000000     .000000   59499.999   40.289196

  TOTAL   -0.137965     .000000   -3.088335 -370.600251    1087.199   16.555759

MODE      19 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    8781.160     .000000  150.677691   18081.323  2.7713E+06 -1.0537E+06
SPRINGS     .000000     .000000     .000000     .000000    0.031666     .000000
REACTNS   -8781.350     .000000 -149.749548  -17969.946 -2.7604E+06  1.0538E+06
CONSTRS   -0.100138     .000000     .000000     .000000  -11178.703   12.016518

  TOTAL   -0.290160     .000000    0.928143  111.377180 -297.519489   34.819169

MODE      20 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -130.348819     .000000   12963.877  1.5557E+06 -4.5679E+06   15641.858
SPRINGS     .000000     .000000     .000000     .000000    0.001208     .000000
REACTNS  130.524881     .000000  -12960.387 -1.5552E+06  4.5659E+06  -15662.986
CONSTRS   -0.171462     .000000     .000000     .000000  715.246510   20.575443

  TOTAL    0.004600     .000000    3.489575  418.748971   -1215.152   -0.552015

MODE      21 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   10544.811     .000000 -302.802916  -36336.350  2.0221E+06 -1.2654E+06
SPRINGS     .000000     .000000     .000000     .000000   -0.045147     .000000
REACTNS  -10544.596     .000000  298.762034   35851.444 -2.0141E+06  1.2654E+06
CONSTRS   -0.598959     .000000     .000000     .000000   -6976.548   71.875038

  TOTAL   -0.384790     .000000   -4.040882 -484.905798    1019.260   46.174805

MODE      22 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    1395.802     .000000    1592.498  191099.798 -892289.777 -167496.242
SPRINGS     .000000     .000000     .000000     .000000    0.008388     .000000
REACTNS   -1396.811     .000000   -1580.176 -189621.173  874390.454  167617.278
CONSTRS   -0.057505     .000000     .000000     .000000   14018.372    6.900636

  TOTAL   -1.066141     .000000   12.321873    1478.625   -3880.943  127.936935

MODE      23 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -1686.598     .000000  499.327293   59919.275 -920038.757  202391.778
SPRINGS     .000000     .000000     .000000     .000000   -0.007409     .000000
REACTNS    1685.783     .000000 -500.919098  -60110.292  944473.116 -202293.949
CONSTRS    0.231949     .000000     .000000     .000000  -22968.559  -27.833831

  TOTAL   -0.583289     .000000   -1.591805 -191.016609    1465.793   69.994733

MODE      24 ------------------

                 FX          FY          FZ          MX          MY          MZ
```

APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	203.568175	.000000	2878.970	345476.432	-848813.923	-24428.181
SPRINGS	.000000	.000000	.000000	.000000	-0.000350	.000000
REACTNS	-205.925590	.000000	-2882.022	-345842.648	849794.607	24711.071
CONSTRS	0.891531	.000000	.000000	.000000	1178.569	-106.983711
TOTAL	-1.465884	.000000	-3.051801	-366.216127	2159.254	175.906114

MODE 25 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	2814.862	.000000	278.360966	33403.316	3.4534E+06	-337783.497
SPRINGS	.000000	.000000	.000000	.000000	-0.049023	.000000
REACTNS	-2814.469	.000000	-281.327765	-33759.332	-3.3884E+06	337736.246
CONSTRS	0.442089	.000000	.000000	.000000	-64653.860	-53.050630
TOTAL	0.835851	.000000	-2.966799	-356.015914	411.206793	-100.302072

MODE 26 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-6893.550	.000000	2463.729	295647.448	-4.2484E+06	827226.041
SPRINGS	.000000	.000000	.000000	.000000	0.004548	.000000
REACTNS	6892.350	.000000	-2457.648	-294917.812	4.5019E+06	-827082.007
CONSTRS	0.060650	.000000	.000000	.000000	-254659.326	-7.278029
TOTAL	-1.139635	.000000	6.080298	729.635714	-1108.253	136.756227

MODE 27 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	775.288891	.000000	19955.678	2.3947E+06	-6.4971E+06	-93034.667
SPRINGS	.000000	.000000	.000000	.000000	0.000981	.000000
REACTNS	-777.687063	.000000	-19969.972	-2.3964E+06	6.4703E+06	93322.448
CONSTRS	1.632480	.000000	.000000	.000000	33594.373	-195.897603
TOTAL	-0.765692	.000000	-14.294030	-1715.284	6817.439	91.883016

MODE 28 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	381.638611	.000000	-38.550994	-4626.119	-572855.030	-45796.633
SPRINGS	.000000	.000000	.000000	.000000	-0.056195	.000000
REACTNS	-384.546838	.000000	31.683214	3801.986	563716.789	46145.621
CONSTRS	-1.528025	.000000	.000000	.000000	10965.411	183.362946
TOTAL	-4.436252	.000000	-6.867781	-824.133675	1827.114	532.350196

MODE 29 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-249.451435	.000000	-8066.647	-967997.696	2.6722E+06	29934.172
SPRINGS	.000000	.000000	.000000	.000000	-0.000347	.000000
REACTNS	247.785314	.000000	8059.920	967190.452	-2.6566E+06	-29734.238
CONSTRS	-3.255148	.000000	.000000	.000000	-14759.502	390.617788
TOTAL	-4.921270	.000000	-6.727029	-807.243506	809.371971	590.552340

MODE 30 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	336.562905	.000000	-25.270185	-3032.422	-430346.986	-40387.549
SPRINGS	.000000	.000000	.000000	.000000	-0.071693	.000000
REACTNS	-338.366660	.000000	20.589269	2470.712	428775.245	40603.999
CONSTRS	-0.900218	.000000	.000000	.000000	2283.425	108.026191
TOTAL	-2.703973	.000000	-4.680916	-561.709942	711.612321	324.476745

MODE 31 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-100.783492	.000000	-594.009288	-71281.115	158679.757	12094.019
SPRINGS	.000000	.000000	.000000	.000000	0.000465	.000000
REACTNS	106.313729	.000000	604.073660	72488.839	-157025.571	-12757.647
CONSTRS	12.172105	.000000	.000000	.000000	2057.958	-1460.653
TOTAL	17.702342	.000000	10.064372	1207.725	3712.144	-2124.281

MODE 32 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	33.957762	.000000	-3864.645	-463757.368	1.3947E+06	-4074.931
SPRINGS	.000000	.000000	.000000	.000000	-0.002962	.000000
REACTNS	-30.078460	.000000	3870.387	464446.499	-1.3958E+06	3609.415
CONSTRS	10.994952	.000000	.000000	.000000	5774.937	-1319.394
TOTAL	14.874254	.000000	5.742758	689.130930	4699.431	-1784.911

MODE 33 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-936.726894	.000000	79.784766	9574.172	-1.2321E+06	112407.227
SPRINGS	.000000	.000000	.000000	.000000	0.096259	.000000
REACTNS	934.828656	.000000	-81.599609	-9791.953	1.2131E+06	-112179.439
CONSTRS	-1.323464	.000000	.000000	.000000	17875.404	158.815683
TOTAL	-3.221702	.000000	-1.814843	-217.781168	-1107.233	386.604189

MODE 34 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-66.979346	.000000	518.956026	62274.723	-221575.234	8037.522
SPRINGS	.000000	.000000	.000000	.000000	-0.002571	.000000
REACTNS	73.146939	.000000	-512.826597	-61539.192	224624.206	-8777.633
CONSTRS	6.254668	.000000	.000000	.000000	-1790.523	-750.560143
TOTAL	12.422260	.000000	6.129429	735.531425	1258.446	-1490.671

MODE 35 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	529.983764	.000000	4117.786	494134.368	-3.4422E+06	-63598.052
SPRINGS	.000000	.000000	.000000	.000000	-0.008390	.000000
REACTNS	-530.620276	.000000	-4103.207	-492384.802	3.4463E+06	63674.433
CONSTRS	3.374360	.000000	.000000	.000000	-5350.091	-404.923155

```
  TOTAL    2.737848     .000000   14.579721    1749.567   -1273.043 -328.541751

MODE      36 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  298.666134     .000000  -13391.218 -1.6069E+06  4.0082E+06  -35839.936
SPRINGS     .000000     .000000     .000000     .000000   -0.003903     .000000
REACTNS -300.649180     .000000   13398.284  1.6078E+06 -4.0146E+06   36077.902
CONSTRS  -15.775428     .000000     .000000     .000000   -3516.583    1893.051

  TOTAL  -17.758473     .000000    7.065702  847.884250   -9939.791    2131.017

MODE      37 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -3252.449     .000000 -333.401757  -40008.211 -894474.642  390293.840
SPRINGS     .000000     .000000     .000000     .000000   -0.012725     .000000
REACTNS    3255.448     .000000  343.993215   41279.186  892126.648 -390653.723
CONSTRS   15.399829     .000000     .000000     .000000    8128.685   -1847.979

  TOTAL   18.398856     .000000   10.591458    1270.975    5780.679   -2207.863

MODE      38 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  -12.215462     .000000  -49.656762   -5958.811   17542.148    1465.855
SPRINGS     .000000     .000000     .000000     .000000    0.000168     .000000
REACTNS   10.419068     .000000   54.675752    6561.090  -21671.618   -1250.288
CONSTRS   10.674938     .000000     .000000     .000000    6940.896   -1280.993

  TOTAL    8.878544     .000000    5.018990  602.278829    2811.426   -1065.425

MODE      39 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -2.064958     .000000   -1608.879 -193065.491  555764.861  247.794972
SPRINGS     .000000     .000000     .000000     .000000    0.001206     .000000
REACTNS    5.338758     .000000    1608.203  192984.373 -554986.695 -640.650909
CONSTRS   -0.112416     .000000     .000000     .000000   19.313399   13.489965

  TOTAL    3.161383     .000000   -0.675981  -81.117701  797.480016 -379.365972

MODE      40 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    1191.715     .000000  -20.835971   -2500.317  831819.854 -143005.800
SPRINGS     .000000     .000000     .000000     .000000   -0.053867     .000000
REACTNS   -1191.835     .000000   15.775812    1893.097 -856733.620  143020.196
CONSTRS    2.174447     .000000     .000000     .000000   27128.491 -260.933690

  TOTAL    2.054476     .000000   -5.060159 -607.219080    2214.671 -246.537112

MODE      41 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    5.055856     .000000   -9988.209 -1.1986E+06  3.4721E+06 -606.702692
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```
SPRINGS     .000000     .000000     .000000     .000000    0.005418     .000000
REACTNS   -6.678913     .000000    9979.985  1.1976E+06 -3.4741E+06  801.469529
CONSTRS   -1.125605     .000000     .000000     .000000    3937.342  135.072631

  TOTAL   -2.748662     .000000   -8.224276 -986.913071    1970.139  329.839468

MODE      42 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   71.965721     .000000    5166.217  619946.005 -2.0753E+06   -8635.886
SPRINGS     .000000     .000000     .000000     .000000    0.010330     .000000
REACTNS  -69.550704     .000000   -5184.796 -622175.549  2.0796E+06    8346.085
CONSTRS    8.031660     .000000     .000000     .000000    6294.208 -963.799257

  TOTAL   10.446677     .000000  -18.579536   -2229.544   10553.708   -1253.601

MODE      43 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA -465.052810     .000000    1310.409  157249.053  1.5412E+06   55806.337
SPRINGS     .000000     .000000     .000000     .000000   -0.044144     .000000
REACTNS  466.701456     .000000   -1279.677 -153561.295 -1.5321E+06  -56004.175
CONSTRS   -3.818372     .000000     .000000     .000000  -20898.423  458.204661

  TOTAL   -2.169726     .000000   30.731318    3687.758  -11827.156  260.367168

MODE      44 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -2986.581     .000000  791.069053   94928.286 -377791.441  358389.742
SPRINGS     .000000     .000000     .000000     .000000    0.011748     .000000
REACTNS    2994.736     .000000 -795.049478  -95405.937  480860.095 -359368.278
CONSTRS   -8.399229     .000000     .000000     .000000 -105341.895    1007.907

  TOTAL   -0.244763     .000000   -3.980425 -477.650996   -2273.230   29.371507

MODE      45 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  256.435012     .000000    9923.088  1.1908E+06 -3.2577E+06  -30772.201
SPRINGS     .000000     .000000     .000000     .000000   -0.006967     .000000
REACTNS -258.955439     .000000   -9957.924 -1.1950E+06  3.2637E+06   31074.653
CONSTRS   -8.539845     .000000     .000000     .000000    3875.741    1024.781

  TOTAL  -11.060273     .000000  -34.836280   -4180.354    9824.159    1327.233

MODE      46 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    1305.900     .000000 -299.147511  -35897.701  1.3200E+06 -156707.950
SPRINGS     .000000     .000000     .000000     .000000   -0.042222     .000000
REACTNS   -1307.183     .000000  315.767918   37892.150 -1.3574E+06  156862.010
CONSTRS   -1.548587     .000000     .000000     .000000   30641.767  185.830482

  TOTAL   -2.832415     .000000   16.620407    1994.449   -6749.987  339.889765

MODE      47 ------------------
```

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	106.123508	.000000	5479.250	657509.995	-1.7673E+06	-12734.821
SPRINGS	.000000	.000000	.000000	.000000	-0.005009	.000000
REACTNS	-107.146638	.000000	-5474.905	-656988.633	1.7626E+06	12857.597
CONSTRS	0.751934	.000000	.000000	.000000	4192.990	-90.232058
TOTAL	-0.271195	.000000	4.344676	521.361098	-505.921208	32.543429

MODE 48 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-12943.539	.000000	-754.583114	-90549.974	1.2798E+06	1.5532E+06
SPRINGS	.000000	.000000	.000000	.000000	0.028206	.000000
REACTNS	12941.542	.000000	745.818590	89498.231	-1.2372E+06	-1.5530E+06
CONSTRS	-0.017877	.000000	.000000	.000000	-43695.646	2.145299
TOTAL	-2.014612	.000000	-8.764524	-1051.743	-1081.256	241.753471

MODE 49 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	38.948014	.000000	-31924.606	-3.8310E+06	1.1070E+07	-4673.762
SPRINGS	.000000	.000000	.000000	.000000	-0.001347	.000000
REACTNS	-41.895552	.000000	31994.094	3.8393E+06	-1.1097E+07	5027.466
CONSTRS	-0.045385	.000000	.000000	.000000	154.229176	5.446186
TOTAL	-2.992923	.000000	69.488215	8338.586	-26241.067	359.150732

MODE 50 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-2291.611	.000000	-1182.177	-141861.210	-1.8464E+06	274993.309
SPRINGS	.000000	.000000	.000000	.000000	-0.027593	.000000
REACTNS	2297.082	.000000	1167.073	140048.746	1.8425E+06	-275649.806
CONSTRS	-1.423102	.000000	.000000	.000000	9213.241	170.772285
TOTAL	4.047705	.000000	-15.103866	-1812.464	5242.369	-485.724646

MODE 51 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	901.195700	.000000	-11445.027	-1.3734E+06	4.4526E+06	-108143.484
SPRINGS	.000000	.000000	.000000	.000000	0.003482	.000000
REACTNS	-888.463560	.000000	11388.208	1.3666E+06	-4.4323E+06	106615.627
CONSTRS	-13.117786	.000000	.000000	.000000	-9564.862	1574.134
TOTAL	-0.385646	.000000	-56.819451	-6818.334	10715.601	46.277569

MODE 52 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	8995.608	.000000	30.348678	3641.841	4.9909E+06	-1.0795E+06
SPRINGS	.000000	.000000	.000000	.000000	0.030474	.000000
REACTNS	-9000.142	.000000	-5.228406	-627.408660	-4.9849E+06	1.0800E+06
CONSTRS	10.090183	.000000	.000000	.000000	-11832.847	-1210.822
TOTAL	5.555341	.000000	25.120273	3014.433	-5824.943	-666.640914

MODE 53 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	58.543462	.000000	1629.037	195484.483	-532824.473	-7025.215
SPRINGS	.000000	.000000	.000000	.000000	0.001305	.000000
REACTNS	-56.824259	.000000	-1613.024	-193562.886	520155.910	6818.911
CONSTRS	-18.026310	.000000	.000000	.000000	-11688.892	2163.157
TOTAL	-16.307107	.000000	16.013308	1921.597	-24357.453	1956.853

MODE 54 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	3289.104	.000000	433.251110	51990.133	-436559.461	-394692.433
SPRINGS	.000000	.000000	.000000	.000000	0.004932	.000000
REACTNS	-3289.171	.000000	-442.639751	-53116.770	339578.510	394700.465
CONSTRS	-1.216904	.000000	.000000	.000000	102095.452	146.028470
TOTAL	-1.283836	.000000	-9.388641	-1126.637	5114.506	154.060312

MODE 55 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	317.770994	.000000	-4338.357	-520602.833	1.4726E+06	-38132.519
SPRINGS	.000000	.000000	.000000	.000000	0.000183	.000000
REACTNS	-318.013436	.000000	4382.328	525879.365	-1.4974E+06	38161.612
CONSTRS	3.851362	.000000	.000000	.000000	13297.714	-462.163465
TOTAL	3.608920	.000000	43.971101	5276.532	-11586.332	-433.070419

MODE 56 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-3391.350	.000000	43.526855	5223.223	-220474.324	406962.055
SPRINGS	.000000	.000000	.000000	.000000	-0.003482	.000000
REACTNS	3393.173	.000000	-61.866670	-7424.000	231459.718	-407180.766
CONSTRS	-1.182393	.000000	.000000	.000000	-4348.712	141.887101
TOTAL	0.640194	.000000	-18.339815	-2200.778	6636.679	-76.823235

MODE 57 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-6.510588	.000000	111.795555	13415.467	-34416.259	781.270579
SPRINGS	.000000	.000000	.000000	.000000	0.000833	.000000
REACTNS	6.077066	.000000	-89.482064	-10737.848	26145.797	-729.247929
CONSTRS	3.711143	.000000	.000000	.000000	2201.601	-445.337118
TOTAL	3.277621	.000000	22.313491	2677.619	-6068.860	-393.314467

MODE 58 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-8973.360	.000000	-205.018254	-24602.190	-1.6546E+06	1.0768E+06
SPRINGS	.000000	.000000	.000000	.000000	0.007202	.000000
REACTNS	8970.261	.000000	169.202013	20304.242	1.7251E+06	-1.0764E+06

```
CONSTRS   -1.982915     .000000     .000000     .000000  -57941.270  237.949839

  TOTAL   -5.081665     .000000  -35.816241   -4297.949   12567.976  609.799847

MODE      59 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  191.348529     .000000  -81.565411   -9787.849  1.1140E+06  -22961.823
SPRINGS     .000000     .000000     .000000     .000000    0.176173     .000000
REACTNS -198.740172     .000000   65.265005    7831.801 -1.2089E+06   23848.821
CONSTRS    0.536414     .000000     .000000     .000000   96258.684  -64.369656

  TOTAL   -6.855229     .000000  -16.300406   -1956.049    1296.130  822.627458

MODE      60 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA  117.074111     .000000  -10765.225 -1.2918E+06  3.7649E+06  -14048.893
SPRINGS     .000000     .000000     .000000     .000000   -0.002762     .000000
REACTNS -130.011350     .000000   10758.316  1.2910E+06 -3.7708E+06   15601.362
CONSTRS    0.890985     .000000     .000000     .000000 -921.231073 -106.918234

  TOTAL  -12.046254     .000000   -6.908935 -829.072199   -6753.780    1445.550

MODE      61 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    4984.557     .000000  -61.816413   -7417.970 -172935.311 -598146.818
SPRINGS     .000000     .000000     .000000     .000000   -0.078983     .000000
REACTNS   -4986.696     .000000   50.931130    6111.736  241037.315  598403.574
CONSTRS    0.014261     .000000     .000000     .000000  -59022.973   -1.711309

  TOTAL   -2.125373     .000000  -10.885283   -1306.234    9078.952  255.044788

MODE      62 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA   -1.992992     .000000   10089.575  1.2107E+06 -3.4697E+06  239.158999
SPRINGS     .000000     .000000     .000000     .000000   -0.001761     .000000
REACTNS  -18.072191     .000000  -10137.149 -1.2165E+06  3.4838E+06    2168.663
CONSTRS  -37.758756     .000000     .000000     .000000  -24587.476    4531.051

  TOTAL  -57.823938     .000000  -47.573641   -5708.837  -10450.365    6938.873

MODE      63 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
INERTIA    1036.748     .000000  275.312555   33037.507 -2.6646E+06 -124409.705
SPRINGS     .000000     .000000     .000000     .000000   -0.008704     .000000
REACTNS   -1030.092     .000000 -276.516664  -33182.000  2.6304E+06  123611.067
CONSTRS   51.145964     .000000     .000000     .000000   72318.064   -6137.516

  TOTAL   57.801278     .000000   -1.204109 -144.493047   38203.815   -6936.153

MODE      64 ------------------

                 FX          FY          FZ          MX          MY          MZ
APPLIED     .000000     .000000     .000000     .000000     .000000     .000000
```

INERTIA	3081.932	.000000	136.300896	16356.108	1.5069E+06	-369831.820
SPRINGS	.000000	.000000	.000000	.000000	0.080151	.000000
REACTNS	-3087.955	.000000	-196.552888	-23586.347	-1.4334E+06	370554.594
CONSTRS	9.484064	.000000	.000000	.000000	-49358.722	-1138.088
TOTAL	3.460954	.000000	-60.251992	-7230.239	24058.249	-415.314494

MODE 65 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-27.968280	.000000	1749.580	209949.571	-620842.035	3356.194
SPRINGS	.000000	.000000	.000000	.000000	0.000318	.000000
REACTNS	26.836315	.000000	-1653.077	-198369.234	579248.741	-3220.358
CONSTRS	12.515908	.000000	.000000	.000000	8519.886	-1501.909
TOTAL	11.383943	.000000	96.502813	11580.338	-33073.408	-1366.073

MODE 66 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	1072.170	.000000	-8803.635	-1.0564E+06	2.8016E+06	-128660.354
SPRINGS	.000000	.000000	.000000	.000000	0.009545	.000000
REACTNS	-1056.811	.000000	8757.641	1.0509E+06	-2.7408E+06	126817.340
CONSTRS	-4.181277	.000000	.000000	.000000	-40660.495	501.753298
TOTAL	11.177180	.000000	-45.993795	-5519.255	20155.267	-1341.262

MODE 67 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	6258.865	.000000	553.559943	66427.193	-2.6567E+06	-751063.804
SPRINGS	.000000	.000000	.000000	.000000	0.060615	.000000
REACTNS	-6245.721	.000000	-518.613056	-62233.567	2.8757E+06	749486.496
CONSTRS	7.774651	.000000	.000000	.000000	-226181.424	-932.958134
TOTAL	20.918883	.000000	34.946888	4193.627	-7138.332	-2510.266

MODE 68 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-66013.425	.000000	-142.230502	-17067.660	-2.8019E+07	7.9216E+06
SPRINGS	.000000	.000000	.000000	.000000	0.033879	.000000
REACTNS	104822.297	.000000	174.541307	20944.957	2.7944E+07	-1.2579E+07
CONSTRS	551.005558	.000000	.000000	.000000	336893.211	-66120.667
TOTAL	39359.878	.000000	32.310806	3877.297	261826.707	-4.7232E+06

MODE 69 ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	-39.044274	.000000	-168430.721	-2.0212E+07	5.8525E+07	4685.313
SPRINGS	.000000	.000000	.000000	.000000	-0.000380	.000000
REACTNS	-32.307121	.000000	225043.850	2.7005E+07	-7.8113E+07	3876.855
CONSTRS	55.823598	.000000	.000000	.000000	39091.467	-6698.832
TOTAL	-15.527798	.000000	56613.130	6.7936E+06	-1.9549E+07	1863.336

SPEC HORIZ ----------

	FX	FY	FZ	MX	MY	MZ
APPLIED	.000000	.000000	.000000	.000000	.000000	.000000
INERTIA	10875.090	.000000	60.118038	7214.165	6.1571E+06	1.3050E+06
SPRINGS	.000000	.000000	.000000	.000000	0.007736	.000000
REACTNS	10874.995	.000000	59.956241	7194.749	6.1169E+06	1.3050E+06
CONSTRS	0.346734	.000000	.000000	.000000	42511.827	41.608104
TOTAL	22.088779	.000000	1.134553	136.146336	602.410242	2650.653

COMBDEADLOAD ---------- MAX

	FX	FY	FZ	MX	MY	MZ
APPLIED	7.72E-15	5.32E-30	75969.430	9.1163E+06	2.6441E+07	9.26E-13
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	0.003232	.000000
REACTNS	5.04E-11	6.63E-31	75969.430	9.1163E+06	2.6440E+07	6.03E-09
CONSTRS	1.99E-12	.000000	.000000	.000000	609.981760	2.49E-10
TOTAL	5.22E-11	5.99E-30	8.74E-11	1.07E-08	5.56E-08	6.25E-09

COMBDEADLOAD ---------- MIN

	FX	FY	FZ	MX	MY	MZ
APPLIED	-7.72E-15	-5.32E-30	-75969.430	-9.1163E+06	-2.6441E+07	-9.26E-13
INERTIA	.000000	.000000	.000000	.000000	.000000	.000000
SPRINGS	.000000	.000000	.000000	.000000	-0.003232	.000000
REACTNS	-5.04E-11	-6.63E-31	-75969.430	-9.1163E+06	-2.6440E+07	-6.03E-09
CONSTRS	-1.99E-12	.000000	.000000	.000000	-609.981760	-2.49E-10
TOTAL	-5.22E-11	-5.99E-30	-8.74E-11	-1.07E-08	-5.56E-08	-6.25E-09

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F R A M E E L E M E N T I N T E R N A L F O R C E S

ELEM 1 ========== LENGTH = 91.522023

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	91.002065	.000000	.000000	.000000	.000000	.000000
0.50000	91.002065	.000000	.000000	.000000	.000000	.000000
1.00000	91.002065	.000000	.000000	.000000	.000000	.000000

ELEM 2 ========== LENGTH = 35.588309

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	200.532816	.000000	.000000	.000000	.000000	.000000
0.50000	200.532816	.000000	.000000	.000000	.000000	.000000
1.00000	200.532816	.000000	.000000	.000000	.000000	.000000

ELEM 3 ========== LENGTH = 49.604034

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	224.278709	.000000	.000000	.000000	.000000	.000000

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0.50000  224.278709     .000000     .000000     .000000     .000000     .000000
1.00000  224.278709     .000000     .000000     .000000     .000000     .000000

ELEM       4 ================== LENGTH =   94.625000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  194.611477     .000000     .000000     .000000     .000000     .000000
0.25000  194.611477     .000000     .000000     .000000     .000000     .000000
0.50000  194.611477     .000000     .000000     .000000     .000000     .000000
0.75000  194.611477     .000000     .000000     .000000     .000000     .000000
1.00000  194.611477     .000000     .000000     .000000     .000000     .000000

ELEM       5 ================== LENGTH =   49.604034

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  232.684769     .000000     .000000     .000000     .000000     .000000
0.50000  232.684769     .000000     .000000     .000000     .000000     .000000
1.00000  232.684769     .000000     .000000     .000000     .000000     .000000

ELEM       6 ================== LENGTH =   60.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   65.331472    0.439401    3.91E-17     .000000     .000000     .000000
0.25000   65.331472    0.439401    3.91E-17     .000000    5.87E-16    6.591011
0.50000   65.331472    0.439401    3.91E-17     .000000    1.17E-15   13.182021
0.75000   65.331472    0.439401    3.91E-17     .000000    1.76E-15   19.773032
1.00000   65.331472    0.439401    3.91E-17     .000000    2.35E-15   26.364042

ELEM       7 ================== LENGTH =   49.604031

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  249.157982     .000000     .000000     .000000     .000000     .000000
0.50000  249.157982     .000000     .000000     .000000     .000000     .000000
1.00000  249.157982     .000000     .000000     .000000     .000000     .000000

ELEM       8 ================== LENGTH =   62.561990

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   60.776239     .000000     .000000     .000000     .000000     .000000
0.25000   60.776239     .000000     .000000     .000000     .000000     .000000
0.50000   60.776239     .000000     .000000     .000000     .000000     .000000
0.75000   60.776239     .000000     .000000     .000000     .000000     .000000
1.00000   60.776239     .000000     .000000     .000000     .000000     .000000

ELEM       9 ================== LENGTH =   50.049590

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   39.813870     .000000     .000000     .000000     .000000     .000000
0.25000   39.813870     .000000     .000000     .000000     .000000     .000000
0.50000   39.813870     .000000     .000000     .000000     .000000     .000000
0.75000   39.813870     .000000     .000000     .000000     .000000     .000000
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1.00000   39.813870     .000000     .000000     .000000     .000000     .000000

ELEM      10 ================== LENGTH =   49.604034

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  253.542397     .000000     .000000     .000000     .000000     .000000
0.50000  253.542397     .000000     .000000     .000000     .000000     .000000
1.00000  253.542397     .000000     .000000     .000000     .000000     .000000

ELEM      11 ================== LENGTH =   12.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   72.693125    2.197040    1.99E-16     .000000    2.39E-15   26.364478
0.25000   72.693125    2.197040    1.99E-16     .000000    1.79E-15   19.773358
0.50000   72.693125    2.197040    1.99E-16     .000000    1.19E-15   13.182239
0.75000   72.693125    2.197040    1.99E-16     .000000    5.96E-16    6.591119
1.00000   72.693125    2.197040    1.99E-16     .000000    1.27E-29    1.35E-12

ELEM      12 ================== LENGTH =   25.024800

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   26.127997     .000000     .000000     .000000     .000000     .000000
0.25000   26.127997     .000000     .000000     .000000     .000000     .000000
0.50000   26.127997     .000000     .000000     .000000     .000000     .000000
0.75000   26.127997     .000000     .000000     .000000     .000000     .000000
1.00000   26.127997     .000000     .000000     .000000     .000000     .000000

ELEM      13 ================== LENGTH =   49.604034

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  259.443103     .000000     .000000     .000000     .000000     .000000
0.50000  259.443103     .000000     .000000     .000000     .000000     .000000
1.00000  259.443103     .000000     .000000     .000000     .000000     .000000

ELEM      14 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  329.450465   11.547441    1.04E-15     .000000    1.03E-14  117.662047
0.25000  329.450465   11.547441    1.04E-15     .000000    1.65E-14  186.668270
0.50000  329.450465   11.547441    1.04E-15     .000000    2.28E-14  255.825045
0.75000  329.450465   11.547441    1.04E-15     .000000    2.90E-14  325.036289
1.00000  329.450465   11.547441    1.04E-15     .000000    3.53E-14  394.273318

ELEM      15 ================== LENGTH =   15.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1932.679  366.166935     .000000     .000000     .000000    0.000992
0.50000    1932.679  366.166935     .000000     .000000     .000000    2883.564
1.00000    1932.679  366.166935     .000000     .000000     .000000    5767.128

ELEM      16 ================== LENGTH =   32.750000
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SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1932.892  369.808766     .000000     .000000     .000000    5767.128
0.50000    1932.892  369.808766     .000000     .000000     .000000    3980.056
1.00000    1932.892  369.808766     .000000     .000000     .000000    8471.303

ELEM      17 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1696.393  176.485541     .000000     .000000     .000000    8471.304
0.50000    1696.393  176.485541     .000000     .000000     .000000    4235.651
1.00000    1696.393  176.485541     .000000     .000000     .000000    0.002429

ELEM      18 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1684.733     .000000     .000000     .000000     .000000     .000000
0.50000    1684.733     .000000     .000000     .000000     .000000     .000000
1.00000    1684.733     .000000     .000000     .000000     .000000     .000000

ELEM      19 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1581.559     .000000     .000000     .000000     .000000     .000000
0.50000    1581.559     .000000     .000000     .000000     .000000     .000000
1.00000    1581.559     .000000     .000000     .000000     .000000     .000000

ELEM      20 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1541.345     .000000     .000000     .000000     .000000     .000000
0.50000    1541.345     .000000     .000000     .000000     .000000     .000000
1.00000    1541.345     .000000     .000000     .000000     .000000     .000000

ELEM      21 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1537.173     .000000     .000000     .000000     .000000     .000000
0.50000    1537.173     .000000     .000000     .000000     .000000     .000000
1.00000    1537.173     .000000     .000000     .000000     .000000     .000000

ELEM      22 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1501.394     .000000     .000000     .000000     .000000     .000000
0.50000    1501.394     .000000     .000000     .000000     .000000     .000000
1.00000    1501.394     .000000     .000000     .000000     .000000     .000000

ELEM      23 ================== LENGTH =   48.000000
```

```
SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1495.076     .000000     .000000     .000000     .000000     .000000
0.50000    1495.076     .000000     .000000     .000000     .000000     .000000
1.00000    1495.076     .000000     .000000     .000000     .000000     .000000

ELEM      24 ================== LENGTH =   34.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1035.194     .000000     .000000     .000000     .000000     .000000
0.50000    1035.194     .000000     .000000     .000000     .000000     .000000
1.00000    1035.194     .000000     .000000     .000000     .000000     .000000

ELEM      25 ================== LENGTH =   88.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  105.634657     .000000     .000000     .000000     .000000     .000000
0.50000  105.634657     .000000     .000000     .000000     .000000     .000000
1.00000  105.634657     .000000     .000000     .000000     .000000     .000000

ELEM      26 ================== LENGTH =   39.905978

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1104.611     .000000     .000000     .000000     .000000     .000000
0.50000    1104.611     .000000     .000000     .000000     .000000     .000000
1.00000    1104.611     .000000     .000000     .000000     .000000     .000000

ELEM      27 ================== LENGTH =   39.905935

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2008.310     .000000     .000000     .000000     .000000     .000000
0.50000    2008.310     .000000     .000000     .000000     .000000     .000000
1.00000    2008.310     .000000     .000000     .000000     .000000     .000000

ELEM      28 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  308.892901    5.536450    5.01E-16     .000000    3.52E-14  394.273182
0.25000  308.892901    5.536450    5.01E-16     .000000    3.24E-14  363.263944
0.50000  308.892901    5.536450    5.01E-16     .000000    2.96E-14  332.681541
0.75000  308.892901    5.536450    5.01E-16     .000000    2.69E-14  302.655391
1.00000  308.892901    5.536450    5.01E-16     .000000    2.42E-14  273.368850

ELEM      29 ================== LENGTH =   79.098436

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  625.164308     .000000     .000000     .000000     .000000     .000000
0.50000  625.164308     .000000     .000000     .000000     .000000     .000000
1.00000  625.164308     .000000     .000000     .000000     .000000     .000000
```

ELEM 30 ========== LENGTH = 120.400374

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	7756.748	.000000	.000000	.000000	.000000	.000000
0.50000	7756.748	.000000	.000000	.000000	.000000	.000000
1.00000	7756.748	.000000	.000000	.000000	.000000	.000000

ELEM 31 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	49.417700	.000000	.000000	.000000	.000000	.000000
0.25000	49.417700	.000000	.000000	.000000	.000000	.000000
0.50000	49.417700	.000000	.000000	.000000	.000000	.000000
0.75000	49.417700	.000000	.000000	.000000	.000000	.000000
1.00000	49.417700	.000000	.000000	.000000	.000000	.000000

ELEM 32 ========== LENGTH = 15.487600

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	287.987352	17.650842	1.59E-15	.000000	2.46E-14	273.369183
0.25000	287.987352	17.650842	1.59E-15	.000000	1.84E-14	205.026887
0.50000	287.987352	17.650842	1.59E-15	.000000	1.23E-14	136.684591
0.75000	287.987352	17.650842	1.59E-15	.000000	6.14E-15	68.342296
1.00000	287.987352	17.650842	1.59E-15	.000000	9.35E-29	7.34E-13

ELEM 33 ========== LENGTH = 86.533231

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	192.415931	.000000	.000000	.000000	.000000	.000000
0.50000	192.415931	.000000	.000000	.000000	.000000	.000000
1.00000	192.415931	.000000	.000000	.000000	.000000	.000000

ELEM 34 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	113.795288	.000000	.000000	.000000	.000000	.000000
0.25000	113.795288	.000000	.000000	.000000	.000000	.000000
0.50000	113.795288	.000000	.000000	.000000	.000000	.000000
0.75000	113.795288	.000000	.000000	.000000	.000000	.000000
1.00000	113.795288	.000000	.000000	.000000	.000000	.000000

ELEM 35 ========== LENGTH = 31.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	600.879296	2.435449	2.19E-16	.000000	2.49E-14	279.845513
0.25000	600.879296	2.435449	2.19E-16	.000000	2.58E-14	290.219035
0.50000	600.879296	2.435449	2.19E-16	.000000	2.68E-14	301.418607
0.75000	600.879296	2.435449	2.19E-16	.000000	2.79E-14	313.355669
1.00000	600.879296	2.435449	2.19E-16	.000000	2.90E-14	325.949205

```
ELEM      36 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  147.729115     .000000     .000000     .000000     .000000     .000000
0.50000  147.729115     .000000     .000000     .000000     .000000     .000000
1.00000  147.729115     .000000     .000000     .000000     .000000     .000000

ELEM      37 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   74.526442     .000000     .000000     .000000     .000000     .000000
0.25000   74.526442     .000000     .000000     .000000     .000000     .000000
0.50000   74.526442     .000000     .000000     .000000     .000000     .000000
0.75000   74.526442     .000000     .000000     .000000     .000000     .000000
1.00000   74.526442     .000000     .000000     .000000     .000000     .000000

ELEM      38 ================== LENGTH =   26.537200

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  628.356113   12.282738    1.10E-15     .000000    2.91E-14  325.949468
0.25000  628.356113   12.282738    1.10E-15     .000000    2.18E-14  244.462101
0.50000  628.356113   12.282738    1.10E-15     .000000    1.46E-14  162.974734
0.75000  628.356113   12.282738    1.10E-15     .000000    7.28E-15   81.487367
1.00000  628.356113   12.282738    1.10E-15     .000000    3.13E-29    2.01E-13

ELEM      39 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  216.423541     .000000     .000000     .000000     .000000     .000000
0.50000  216.423541     .000000     .000000     .000000     .000000     .000000
1.00000  216.423541     .000000     .000000     .000000     .000000     .000000

ELEM      40 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  109.788078     .000000     .000000     .000000     .000000     .000000
0.25000  109.788078     .000000     .000000     .000000     .000000     .000000
0.50000  109.788078     .000000     .000000     .000000     .000000     .000000
0.75000  109.788078     .000000     .000000     .000000     .000000     .000000
1.00000  109.788078     .000000     .000000     .000000     .000000     .000000

ELEM      41 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1113.025     .000000     .000000     .000000     .000000     .000000
0.25000    1113.025     .000000     .000000     .000000     .000000     .000000
0.50000    1113.025     .000000     .000000     .000000     .000000     .000000
0.75000    1113.025     .000000     .000000     .000000     .000000     .000000
1.00000    1113.025     .000000     .000000     .000000     .000000     .000000

ELEM      42 ================== LENGTH =   26.537200
```

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	628.390782	12.303346	1.10E-15	.000000	.000000	.000000
0.25000	628.390782	12.303346	1.10E-15	.000000	7.29E-15	81.624088
0.50000	628.390782	12.303346	1.10E-15	.000000	1.46E-14	163.248176
0.75000	628.390782	12.303346	1.10E-15	.000000	2.19E-14	244.872264
1.00000	628.390782	12.303346	1.10E-15	.000000	2.92E-14	326.496352

ELEM 43 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	509.511059	.000000	.000000	.000000	.000000	.000000
0.25000	509.511059	.000000	.000000	.000000	.000000	.000000
0.50000	509.511059	.000000	.000000	.000000	.000000	.000000
0.75000	509.511059	.000000	.000000	.000000	.000000	.000000
1.00000	509.511059	.000000	.000000	.000000	.000000	.000000

ELEM 44 ========== LENGTH = 39.905978

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	2010.597	.000000	.000000	.000000	.000000	.000000
0.50000	2010.597	.000000	.000000	.000000	.000000	.000000
1.00000	2010.597	.000000	.000000	.000000	.000000	.000000

ELEM 45 ========== LENGTH = 39.905935

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1102.416	.000000	.000000	.000000	.000000	.000000
0.50000	1102.416	.000000	.000000	.000000	.000000	.000000
1.00000	1102.416	.000000	.000000	.000000	.000000	.000000

ELEM 46 ========== LENGTH = 50.500000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1763.279	.000000	.000000	.000000	.000000	.000000
0.50000	1763.279	.000000	.000000	.000000	.000000	.000000
1.00000	1763.279	.000000	.000000	.000000	.000000	.000000

ELEM 47 ========== LENGTH = 48.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1763.156	.000000	.000000	.000000	.000000	.000000
0.50000	1763.156	.000000	.000000	.000000	.000000	.000000
1.00000	1763.156	.000000	.000000	.000000	.000000	.000000

ELEM 48 ========== LENGTH = 48.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1762.919	.000000	.000000	.000000	.000000	.000000

```
0.50000    1762.919     .000000     .000000     .000000     .000000     .000000
1.00000    1762.919     .000000     .000000     .000000     .000000     .000000

ELEM      49 ================== LENGTH =   15.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1762.639     .000000     .000000     .000000     .000000     .000000
0.50000    1762.639     .000000     .000000     .000000     .000000     .000000
1.00000    1762.639     .000000     .000000     .000000     .000000     .000000

ELEM      50 ================== LENGTH =   32.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1572.234     .000000     .000000     .000000     .000000     .000000
0.50000    1572.234     .000000     .000000     .000000     .000000     .000000
1.00000    1572.234     .000000     .000000     .000000     .000000     .000000

ELEM      51 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1565.701     .000000     .000000     .000000     .000000     .000000
0.50000    1565.701     .000000     .000000     .000000     .000000     .000000
1.00000    1565.701     .000000     .000000     .000000     .000000     .000000

ELEM      52 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1435.517     .000000     .000000     .000000     .000000     .000000
0.50000    1435.517     .000000     .000000     .000000     .000000     .000000
1.00000    1435.517     .000000     .000000     .000000     .000000     .000000

ELEM      53 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1401.124     .000000     .000000     .000000     .000000     .000000
0.50000    1401.124     .000000     .000000     .000000     .000000     .000000
1.00000    1401.124     .000000     .000000     .000000     .000000     .000000

ELEM      54 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1366.484     .000000     .000000     .000000     .000000     .000000
0.50000    1366.484     .000000     .000000     .000000     .000000     .000000
1.00000    1366.484     .000000     .000000     .000000     .000000     .000000

ELEM      55 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1320.589     .000000     .000000     .000000     .000000     .000000
```

```
0.50000    1320.589     .000000     .000000     .000000     .000000     .000000
1.00000    1320.589     .000000     .000000     .000000     .000000     .000000

ELEM      56 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1279.204     .000000     .000000     .000000     .000000     .000000
0.50000    1279.204     .000000     .000000     .000000     .000000     .000000
1.00000    1279.204     .000000     .000000     .000000     .000000     .000000

ELEM      57 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1218.866     .000000     .000000     .000000     .000000     .000000
0.50000    1218.866     .000000     .000000     .000000     .000000     .000000
1.00000    1218.866     .000000     .000000     .000000     .000000     .000000

ELEM      58 ================== LENGTH =   34.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  788.883613     .000000     .000000     .000000     .000000     .000000
0.50000  788.883613     .000000     .000000     .000000     .000000     .000000
1.00000  788.883613     .000000     .000000     .000000     .000000     .000000

ELEM      59 ================== LENGTH =   88.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  157.377723     .000000     .000000     .000000     .000000     .000000
0.50000  157.377723     .000000     .000000     .000000     .000000     .000000
1.00000  157.377723     .000000     .000000     .000000     .000000     .000000

ELEM      60 ================== LENGTH =   87.944585

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1012.537     .000000     .000000     .000000     .000000     .000000
0.50000    1012.537     .000000     .000000     .000000     .000000     .000000
1.00000    1012.537     .000000     .000000     .000000     .000000     .000000

ELEM      61 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2.848226     .000000     .000000     .000000     .000000     .000000
0.25000    2.848226     .000000     .000000     .000000     .000000     .000000
0.50000    2.848226     .000000     .000000     .000000     .000000     .000000
0.75000    2.848226     .000000     .000000     .000000     .000000     .000000
1.00000    2.848226     .000000     .000000     .000000     .000000     .000000

ELEM      62 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	2.966402	.000000	.000000	.000000	.000000	.000000
0.25000	2.966402	.000000	.000000	.000000	.000000	.000000
0.50000	2.966402	.000000	.000000	.000000	.000000	.000000
0.75000	2.966402	.000000	.000000	.000000	.000000	.000000
1.00000	2.966402	.000000	.000000	.000000	.000000	.000000

ELEM 63 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1.724231	.000000	.000000	.000000	.000000	.000000
0.25000	1.724231	.000000	.000000	.000000	.000000	.000000
0.50000	1.724231	.000000	.000000	.000000	.000000	.000000
0.75000	1.724231	.000000	.000000	.000000	.000000	.000000
1.00000	1.724231	.000000	.000000	.000000	.000000	.000000

ELEM 64 ========== LENGTH = 31.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	600.907051	2.436853	2.19E-16	.000000	2.91E-14	326.496088
0.25000	600.907051	2.436853	2.19E-16	.000000	2.79E-14	313.822856
0.50000	600.907051	2.436853	2.19E-16	.000000	2.69E-14	301.799946
0.75000	600.907051	2.436853	2.19E-16	.000000	2.58E-14	290.508111
1.00000	600.907051	2.436853	2.19E-16	.000000	2.49E-14	280.035801

ELEM 65 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	3448.944	4.448580	3.98E-16	.000000	.000000	.000000
0.25000	3448.944	4.448580	3.98E-16	.000000	2.39E-15	26.691482
0.50000	3448.944	4.448580	3.98E-16	.000000	4.77E-15	53.382963
0.75000	3448.944	4.448580	3.98E-16	.000000	7.16E-15	80.074445
1.00000	3448.944	4.448580	3.98E-16	.000000	9.54E-15	106.765927

ELEM 66 ========== LENGTH = 120.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	7463.840	.000000	.000000	.000000	.000000	.000000
0.50000	7463.840	.000000	.000000	.000000	.000000	.000000
1.00000	7463.840	.000000	.000000	.000000	.000000	.000000

ELEM 67 ========== LENGTH = 48.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	3467.955	2.224293	1.98E-16	.000000	9.51E-15	106.766067
0.25000	3467.955	2.224293	1.98E-16	.000000	7.13E-15	80.074551
0.50000	3467.955	2.224293	1.98E-16	.000000	4.76E-15	53.383034
0.75000	3467.955	2.224293	1.98E-16	.000000	2.38E-15	26.691517
1.00000	3467.955	2.224293	1.98E-16	.000000	9.45E-30	5.07E-14

ELEM 68 ========== LENGTH = 48.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	3471.117	2.235954	1.99E-16	.000000	.000000	.000000
0.25000	3471.117	2.235954	1.99E-16	.000000	2.39E-15	26.831454
0.50000	3471.117	2.235954	1.99E-16	.000000	4.78E-15	53.662907
0.75000	3471.117	2.235954	1.99E-16	.000000	7.17E-15	80.494361
1.00000	3471.117	2.235954	1.99E-16	.000000	9.56E-15	107.325815

ELEM 69 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	3452.094	4.471903	4.00E-16	.000000	9.59E-15	107.325678
0.25000	3452.094	4.471903	4.00E-16	.000000	7.19E-15	80.494259
0.50000	3452.094	4.471903	4.00E-16	.000000	4.80E-15	53.662839
0.75000	3452.094	4.471903	4.00E-16	.000000	2.40E-15	26.831420
1.00000	3452.094	4.471903	4.00E-16	.000000	1.23E-29	1.20E-12

ELEM 70 ========== LENGTH = 131.468627

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	1036.711	.000000	.000000	.000000	.000000	.000000
0.50000	1036.711	.000000	.000000	.000000	.000000	.000000
1.00000	1036.711	.000000	.000000	.000000	.000000	.000000

ELEM 71 ========== LENGTH = 72.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	854.016700	.000000	.000000	.000000	.000000	.000000
0.25000	854.016700	.000000	.000000	.000000	.000000	.000000
0.50000	854.016700	.000000	.000000	.000000	.000000	.000000
0.75000	854.016700	.000000	.000000	.000000	.000000	.000000
1.00000	854.016700	.000000	.000000	.000000	.000000	.000000

ELEM 72 ========== LENGTH = 50.500000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	2826.400	.000000	.000000	.000000	.000000	.000000
0.50000	2826.400	.000000	.000000	.000000	.000000	.000000
1.00000	2826.400	.000000	.000000	.000000	.000000	.000000

ELEM 73 ========== LENGTH = 48.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	2550.183	2.963378	.000000	.000000	.000000	0.000487
0.50000	2550.183	2.963378	.000000	.000000	.000000	71.120784
1.00000	2550.183	2.963378	.000000	.000000	.000000	142.241849

ELEM 74 ========== LENGTH = 48.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	2550.061	2.963372	.000000	.000000	.000000	142.241764

```
0.50000    2550.061    2.963372     .000000     .000000     .000000   71.120827
1.00000    2550.061    2.963372     .000000     .000000     .000000    0.000413

ELEM      75 ================== LENGTH =   15.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2549.842     .000000     .000000     .000000     .000000     .000000
0.50000    2549.842     .000000     .000000     .000000     .000000     .000000
1.00000    2549.842     .000000     .000000     .000000     .000000     .000000

ELEM      76 ================== LENGTH =   80.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2544.433     .000000     .000000     .000000     .000000     .000000
0.50000    2544.433     .000000     .000000     .000000     .000000     .000000
1.00000    2544.433     .000000     .000000     .000000     .000000     .000000

ELEM      77 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2530.069     .000000     .000000     .000000     .000000     .000000
0.50000    2530.069     .000000     .000000     .000000     .000000     .000000
1.00000    2530.069     .000000     .000000     .000000     .000000     .000000

ELEM      78 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1120.448     .000000     .000000     .000000     .000000     .000000
0.50000    1120.448     .000000     .000000     .000000     .000000     .000000
1.00000    1120.448     .000000     .000000     .000000     .000000     .000000

ELEM      79 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1093.764     .000000     .000000     .000000     .000000     .000000
0.50000    1093.764     .000000     .000000     .000000     .000000     .000000
1.00000    1093.764     .000000     .000000     .000000     .000000     .000000

ELEM      80 ================== LENGTH =  110.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1063.786     .000000     .000000     .000000     .000000     .000000
0.50000    1063.786     .000000     .000000     .000000     .000000     .000000
1.00000    1063.786     .000000     .000000     .000000     .000000     .000000

ELEM      81 ================== LENGTH =   13.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  125.289192     .000000     .000000     .000000     .000000     .000000
```

```
0.50000  125.289192     .000000     .000000     .000000     .000000     .000000
1.00000  125.289192     .000000     .000000     .000000     .000000     .000000

ELEM      82 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4.799908     .000000     .000000     .000000     .000000     .000000
0.25000    4.799908     .000000     .000000     .000000     .000000     .000000
0.50000    4.799908     .000000     .000000     .000000     .000000     .000000
0.75000    4.799908     .000000     .000000     .000000     .000000     .000000
1.00000    4.799908     .000000     .000000     .000000     .000000     .000000

ELEM      83 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1378.001     .000000     .000000     .000000     .000000     .000000
0.50000    1378.001     .000000     .000000     .000000     .000000     .000000
1.00000    1378.001     .000000     .000000     .000000     .000000     .000000

ELEM      84 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5.708289     .000000     .000000     .000000     .000000     .000000
0.25000    5.708289     .000000     .000000     .000000     .000000     .000000
0.50000    5.708289     .000000     .000000     .000000     .000000     .000000
0.75000    5.708289     .000000     .000000     .000000     .000000     .000000
1.00000    5.708289     .000000     .000000     .000000     .000000     .000000

ELEM      87 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1260.043     .000000     .000000     .000000     .000000     .000000
0.50000    1260.043     .000000     .000000     .000000     .000000     .000000
1.00000    1260.043     .000000     .000000     .000000     .000000     .000000

ELEM      89 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    8297.268     .000000     .000000     .000000     .000000     .000000
0.50000    8297.268     .000000     .000000     .000000     .000000     .000000
1.00000    8297.268     .000000     .000000     .000000     .000000     .000000

ELEM      90 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  735.133689     .000000     .000000     .000000     .000000     .000000
0.25000  735.133689     .000000     .000000     .000000     .000000     .000000
0.50000  735.133689     .000000     .000000     .000000     .000000     .000000
0.75000  735.133689     .000000     .000000     .000000     .000000     .000000
1.00000  735.133689     .000000     .000000     .000000     .000000     .000000
```

```
ELEM      91 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3607.608     .000000     .000000     .000000     .000000     .000000
0.25000    3607.608     .000000     .000000     .000000     .000000     .000000
0.50000    3607.608     .000000     .000000     .000000     .000000     .000000
0.75000    3607.608     .000000     .000000     .000000     .000000     .000000
1.00000    3607.608     .000000     .000000     .000000     .000000     .000000

ELEM      92 ================== LENGTH =  131.468627

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2013.108     .000000     .000000     .000000     .000000     .000000
0.50000    2013.108     .000000     .000000     .000000     .000000     .000000
1.00000    2013.108     .000000     .000000     .000000     .000000     .000000

ELEM      93 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  407.088042     .000000     .000000     .000000     .000000     .000000
0.25000  407.088042     .000000     .000000     .000000     .000000     .000000
0.50000  407.088042     .000000     .000000     .000000     .000000     .000000
0.75000  407.088042     .000000     .000000     .000000     .000000     .000000
1.00000  407.088042     .000000     .000000     .000000     .000000     .000000

ELEM      94 ================== LENGTH =   50.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4676.341     .000000     .000000     .000000     .000000     .000000
0.50000    4676.341     .000000     .000000     .000000     .000000     .000000
1.00000    4676.341     .000000     .000000     .000000     .000000     .000000

ELEM      95 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4676.134     .000000     .000000     .000000     .000000     .000000
0.50000    4676.134     .000000     .000000     .000000     .000000     .000000
1.00000    4676.134     .000000     .000000     .000000     .000000     .000000

ELEM      96 ================== LENGTH =   15.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4669.697     .000000     .000000     .000000     .000000     .000000
0.50000    4669.697     .000000     .000000     .000000     .000000     .000000
1.00000    4669.697     .000000     .000000     .000000     .000000     .000000

ELEM      97 ================== LENGTH =   80.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000    4663.079     .000000     .000000     .000000     .000000     .000000
0.50000    4663.079     .000000     .000000     .000000     .000000     .000000
1.00000    4663.079     .000000     .000000     .000000     .000000     .000000

ELEM      98 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4979.599     .000000     .000000     .000000     .000000     .000000
0.50000    4979.599     .000000     .000000     .000000     .000000     .000000
1.00000    4979.599     .000000     .000000     .000000     .000000     .000000

ELEM      99 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4950.338     .000000     .000000     .000000     .000000     .000000
0.50000    4950.338     .000000     .000000     .000000     .000000     .000000
1.00000    4950.338     .000000     .000000     .000000     .000000     .000000

ELEM     100 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4976.394     .000000     .000000     .000000     .000000     .000000
0.50000    4976.394     .000000     .000000     .000000     .000000     .000000
1.00000    4976.394     .000000     .000000     .000000     .000000     .000000

ELEM     101 ================== LENGTH =  123.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  203.547334     .000000     .000000     .000000     .000000     .000000
0.50000  203.547334     .000000     .000000     .000000     .000000     .000000
1.00000  203.547334     .000000     .000000     .000000     .000000     .000000

ELEM     102 ================== LENGTH =   60.200187

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1374.078     .000000     .000000     .000000     .000000     .000000
0.50000    1374.078     .000000     .000000     .000000     .000000     .000000
1.00000    1374.078     .000000     .000000     .000000     .000000     .000000

ELEM     103 ================== LENGTH =   60.200187

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1372.112     .000000     .000000     .000000     .000000     .000000
0.50000    1372.112     .000000     .000000     .000000     .000000     .000000
1.00000    1372.112     .000000     .000000     .000000     .000000     .000000

ELEM     104 ================== LENGTH =   60.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000    7958.796     .000000     .000000     .000000     .000000     .000000
0.50000    7958.796     .000000     .000000     .000000     .000000     .000000
1.00000    7958.796     .000000     .000000     .000000     .000000     .000000

ELEM     105 ================== LENGTH =   60.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    7950.048     .000000     .000000     .000000     .000000     .000000
0.50000    7950.048     .000000     .000000     .000000     .000000     .000000
1.00000    7950.048     .000000     .000000     .000000     .000000     .000000

ELEM     106 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    0.137319     .000000     .000000     .000000     .000000     .000000
0.25000    0.137319     .000000     .000000     .000000     .000000     .000000
0.50000    0.137319     .000000     .000000     .000000     .000000     .000000
0.75000    0.137319     .000000     .000000     .000000     .000000     .000000
1.00000    0.137319     .000000     .000000     .000000     .000000     .000000

ELEM     107 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    0.875859     .000000     .000000     .000000     .000000     .000000
0.25000    0.875859     .000000     .000000     .000000     .000000     .000000
0.50000    0.875859     .000000     .000000     .000000     .000000     .000000
0.75000    0.875859     .000000     .000000     .000000     .000000     .000000
1.00000    0.875859     .000000     .000000     .000000     .000000     .000000

ELEM     108 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    0.529240     .000000     .000000     .000000     .000000     .000000
0.25000    0.529240     .000000     .000000     .000000     .000000     .000000
0.50000    0.529240     .000000     .000000     .000000     .000000     .000000
0.75000    0.529240     .000000     .000000     .000000     .000000     .000000
1.00000    0.529240     .000000     .000000     .000000     .000000     .000000

ELEM     109 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   12.057703     .000000     .000000     .000000     .000000     .000000
0.25000   12.057703     .000000     .000000     .000000     .000000     .000000
0.50000   12.057703     .000000     .000000     .000000     .000000     .000000
0.75000   12.057703     .000000     .000000     .000000     .000000     .000000
1.00000   12.057703     .000000     .000000     .000000     .000000     .000000

ELEM     110 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2.532080     .000000     .000000     .000000     .000000     .000000
```

```
0.25000    2.532080     .000000     .000000     .000000     .000000     .000000
0.50000    2.532080     .000000     .000000     .000000     .000000     .000000
0.75000    2.532080     .000000     .000000     .000000     .000000     .000000
1.00000    2.532080     .000000     .000000     .000000     .000000     .000000

ELEM     111 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2.382209     .000000     .000000     .000000     .000000     .000000
0.25000    2.382209     .000000     .000000     .000000     .000000     .000000
0.50000    2.382209     .000000     .000000     .000000     .000000     .000000
0.75000    2.382209     .000000     .000000     .000000     .000000     .000000
1.00000    2.382209     .000000     .000000     .000000     .000000     .000000

ELEM     112 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    8.261457     .000000     .000000     .000000     .000000     .000000
0.25000    8.261457     .000000     .000000     .000000     .000000     .000000
0.50000    8.261457     .000000     .000000     .000000     .000000     .000000
0.75000    8.261457     .000000     .000000     .000000     .000000     .000000
1.00000    8.261457     .000000     .000000     .000000     .000000     .000000

ELEM     113 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   37.894484     .000000     .000000     .000000     .000000     .000000
0.25000   37.894484     .000000     .000000     .000000     .000000     .000000
0.50000   37.894484     .000000     .000000     .000000     .000000     .000000
0.75000   37.894484     .000000     .000000     .000000     .000000     .000000
1.00000   37.894484     .000000     .000000     .000000     .000000     .000000

ELEM     114 ================== LENGTH =   60.200187

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1373.662     .000000     .000000     .000000     .000000     .000000
0.50000    1373.662     .000000     .000000     .000000     .000000     .000000
1.00000    1373.662     .000000     .000000     .000000     .000000     .000000

ELEM     115 ================== LENGTH =   60.200187

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1372.527     .000000     .000000     .000000     .000000     .000000
0.50000    1372.527     .000000     .000000     .000000     .000000     .000000
1.00000    1372.527     .000000     .000000     .000000     .000000     .000000

ELEM     116 ================== LENGTH =   60.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    7953.839     .000000     .000000     .000000     .000000     .000000
0.50000    7953.839     .000000     .000000     .000000     .000000     .000000
```

```
1.00000    7953.839     .000000     .000000     .000000     .000000     .000000

ELEM     117 ================== LENGTH =   60.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    7955.000     .000000     .000000     .000000     .000000     .000000
0.50000    7955.000     .000000     .000000     .000000     .000000     .000000
1.00000    7955.000     .000000     .000000     .000000     .000000     .000000

ELEM     118 ================== LENGTH =   50.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4674.960     .000000     .000000     .000000     .000000     .000000
0.50000    4674.960     .000000     .000000     .000000     .000000     .000000
1.00000    4674.960     .000000     .000000     .000000     .000000     .000000

ELEM     119 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4674.755     .000000     .000000     .000000     .000000     .000000
0.50000    4674.755     .000000     .000000     .000000     .000000     .000000
1.00000    4674.755     .000000     .000000     .000000     .000000     .000000

ELEM     120 ================== LENGTH =   15.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4667.914     .000000     .000000     .000000     .000000     .000000
0.50000    4667.914     .000000     .000000     .000000     .000000     .000000
1.00000    4667.914     .000000     .000000     .000000     .000000     .000000

ELEM     121 ================== LENGTH =   80.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4661.309     .000000     .000000     .000000     .000000     .000000
0.50000    4661.309     .000000     .000000     .000000     .000000     .000000
1.00000    4661.309     .000000     .000000     .000000     .000000     .000000

ELEM     122 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4977.031     .000000     .000000     .000000     .000000     .000000
0.50000    4977.031     .000000     .000000     .000000     .000000     .000000
1.00000    4977.031     .000000     .000000     .000000     .000000     .000000

ELEM     123 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4947.833     .000000     .000000     .000000     .000000     .000000
0.50000    4947.833     .000000     .000000     .000000     .000000     .000000
```

```
1.00000    4947.833     .000000     .000000     .000000     .000000     .000000

ELEM     124 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4973.473     .000000     .000000     .000000     .000000     .000000
0.50000    4973.473     .000000     .000000     .000000     .000000     .000000
1.00000    4973.473     .000000     .000000     .000000     .000000     .000000

ELEM     125 ================== LENGTH =  123.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  203.877794     .000000     .000000     .000000     .000000     .000000
0.50000  203.877794     .000000     .000000     .000000     .000000     .000000
1.00000  203.877794     .000000     .000000     .000000     .000000     .000000

ELEM     126 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    4.799753     .000000     .000000     .000000     .000000     .000000
0.25000    4.799753     .000000     .000000     .000000     .000000     .000000
0.50000    4.799753     .000000     .000000     .000000     .000000     .000000
0.75000    4.799753     .000000     .000000     .000000     .000000     .000000
1.00000    4.799753     .000000     .000000     .000000     .000000     .000000

ELEM     127 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1377.605     .000000     .000000     .000000     .000000     .000000
0.50000    1377.605     .000000     .000000     .000000     .000000     .000000
1.00000    1377.605     .000000     .000000     .000000     .000000     .000000

ELEM     128 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    5.706202     .000000     .000000     .000000     .000000     .000000
0.25000    5.706202     .000000     .000000     .000000     .000000     .000000
0.50000    5.706202     .000000     .000000     .000000     .000000     .000000
0.75000    5.706202     .000000     .000000     .000000     .000000     .000000
1.00000    5.706202     .000000     .000000     .000000     .000000     .000000

ELEM     131 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1259.192     .000000     .000000     .000000     .000000     .000000
0.50000    1259.192     .000000     .000000     .000000     .000000     .000000
1.00000    1259.192     .000000     .000000     .000000     .000000     .000000

ELEM     133 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    8291.757     .000000     .000000     .000000     .000000     .000000
0.50000    8291.757     .000000     .000000     .000000     .000000     .000000
1.00000    8291.757     .000000     .000000     .000000     .000000     .000000

ELEM     134 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  735.174789     .000000     .000000     .000000     .000000     .000000
0.25000  735.174789     .000000     .000000     .000000     .000000     .000000
0.50000  735.174789     .000000     .000000     .000000     .000000     .000000
0.75000  735.174789     .000000     .000000     .000000     .000000     .000000
1.00000  735.174789     .000000     .000000     .000000     .000000     .000000

ELEM     135 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    3610.839     .000000     .000000     .000000     .000000     .000000
0.25000    3610.839     .000000     .000000     .000000     .000000     .000000
0.50000    3610.839     .000000     .000000     .000000     .000000     .000000
0.75000    3610.839     .000000     .000000     .000000     .000000     .000000
1.00000    3610.839     .000000     .000000     .000000     .000000     .000000

ELEM     136 ================== LENGTH =  131.468627

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2021.478     .000000     .000000     .000000     .000000     .000000
0.50000    2021.478     .000000     .000000     .000000     .000000     .000000
1.00000    2021.478     .000000     .000000     .000000     .000000     .000000

ELEM     137 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  344.436911     .000000     .000000     .000000     .000000     .000000
0.25000  344.436911     .000000     .000000     .000000     .000000     .000000
0.50000  344.436911     .000000     .000000     .000000     .000000     .000000
0.75000  344.436911     .000000     .000000     .000000     .000000     .000000
1.00000  344.436911     .000000     .000000     .000000     .000000     .000000

ELEM     138 ================== LENGTH =   50.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2825.360     .000000     .000000     .000000     .000000     .000000
0.50000    2825.360     .000000     .000000     .000000     .000000     .000000
1.00000    2825.360     .000000     .000000     .000000     .000000     .000000

ELEM     139 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2549.559    2.958805     .000000     .000000     .000000    0.000486
```

```
0.50000    2549.559    2.958805     .000000     .000000     .000000   71.011046
1.00000    2549.559    2.958805     .000000     .000000     .000000  142.022372

ELEM     140 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2549.437    2.958800     .000000     .000000     .000000  142.022286
0.50000    2549.437    2.958800     .000000     .000000     .000000   71.011089
1.00000    2549.437    2.958800     .000000     .000000     .000000    0.000412

ELEM     141 ================== LENGTH =   15.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2549.220     .000000     .000000     .000000     .000000     .000000
0.50000    2549.220     .000000     .000000     .000000     .000000     .000000
1.00000    2549.220     .000000     .000000     .000000     .000000     .000000

ELEM     142 ================== LENGTH =   80.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2543.798     .000000     .000000     .000000     .000000     .000000
0.50000    2543.798     .000000     .000000     .000000     .000000     .000000
1.00000    2543.798     .000000     .000000     .000000     .000000     .000000

ELEM     143 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2529.452     .000000     .000000     .000000     .000000     .000000
0.50000    2529.452     .000000     .000000     .000000     .000000     .000000
1.00000    2529.452     .000000     .000000     .000000     .000000     .000000

ELEM     144 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1122.421     .000000     .000000     .000000     .000000     .000000
0.50000    1122.421     .000000     .000000     .000000     .000000     .000000
1.00000    1122.421     .000000     .000000     .000000     .000000     .000000

ELEM     145 ================== LENGTH =   96.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1095.799     .000000     .000000     .000000     .000000     .000000
0.50000    1095.799     .000000     .000000     .000000     .000000     .000000
1.00000    1095.799     .000000     .000000     .000000     .000000     .000000

ELEM     146 ================== LENGTH =  110.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1065.860     .000000     .000000     .000000     .000000     .000000
```

```
0.50000    1065.860     .000000     .000000     .000000     .000000     .000000
1.00000    1065.860     .000000     .000000     .000000     .000000     .000000

ELEM     147 ================== LENGTH =   13.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  125.435781     .000000     .000000     .000000     .000000     .000000
0.50000  125.435781     .000000     .000000     .000000     .000000     .000000
1.00000  125.435781     .000000     .000000     .000000     .000000     .000000

ELEM     148 ================== LENGTH =   87.944585

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1012.313     .000000     .000000     .000000     .000000     .000000
0.50000    1012.313     .000000     .000000     .000000     .000000     .000000
1.00000    1012.313     .000000     .000000     .000000     .000000     .000000

ELEM     149 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2.848234     .000000     .000000     .000000     .000000     .000000
0.25000    2.848234     .000000     .000000     .000000     .000000     .000000
0.50000    2.848234     .000000     .000000     .000000     .000000     .000000
0.75000    2.848234     .000000     .000000     .000000     .000000     .000000
1.00000    2.848234     .000000     .000000     .000000     .000000     .000000

ELEM     150 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2.962110     .000000     .000000     .000000     .000000     .000000
0.25000    2.962110     .000000     .000000     .000000     .000000     .000000
0.50000    2.962110     .000000     .000000     .000000     .000000     .000000
0.75000    2.962110     .000000     .000000     .000000     .000000     .000000
1.00000    2.962110     .000000     .000000     .000000     .000000     .000000

ELEM     151 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1.724336     .000000     .000000     .000000     .000000     .000000
0.25000    1.724336     .000000     .000000     .000000     .000000     .000000
0.50000    1.724336     .000000     .000000     .000000     .000000     .000000
0.75000    1.724336     .000000     .000000     .000000     .000000     .000000
1.00000    1.724336     .000000     .000000     .000000     .000000     .000000

ELEM     154 ================== LENGTH =  120.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    7460.840     .000000     .000000     .000000     .000000     .000000
0.50000    7460.840     .000000     .000000     .000000     .000000     .000000
1.00000    7460.840     .000000     .000000     .000000     .000000     .000000
```

```
ELEM     158 ================== LENGTH =  131.468627

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1041.688     .000000     .000000     .000000     .000000     .000000
0.50000    1041.688     .000000     .000000     .000000     .000000     .000000
1.00000    1041.688     .000000     .000000     .000000     .000000     .000000

ELEM     159 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  923.830122     .000000     .000000     .000000     .000000     .000000
0.25000  923.830122     .000000     .000000     .000000     .000000     .000000
0.50000  923.830122     .000000     .000000     .000000     .000000     .000000
0.75000  923.830122     .000000     .000000     .000000     .000000     .000000
1.00000  923.830122     .000000     .000000     .000000     .000000     .000000

ELEM     160 ================== LENGTH =   50.500000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1763.292     .000000     .000000     .000000     .000000     .000000
0.50000    1763.292     .000000     .000000     .000000     .000000     .000000
1.00000    1763.292     .000000     .000000     .000000     .000000     .000000

ELEM     161 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1763.168     .000000     .000000     .000000     .000000     .000000
0.50000    1763.168     .000000     .000000     .000000     .000000     .000000
1.00000    1763.168     .000000     .000000     .000000     .000000     .000000

ELEM     162 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1762.930     .000000     .000000     .000000     .000000     .000000
0.50000    1762.930     .000000     .000000     .000000     .000000     .000000
1.00000    1762.930     .000000     .000000     .000000     .000000     .000000

ELEM     163 ================== LENGTH =   15.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1762.648     .000000     .000000     .000000     .000000     .000000
0.50000    1762.648     .000000     .000000     .000000     .000000     .000000
1.00000    1762.648     .000000     .000000     .000000     .000000     .000000

ELEM     164 ================== LENGTH =   32.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1572.654     .000000     .000000     .000000     .000000     .000000
0.50000    1572.654     .000000     .000000     .000000     .000000     .000000
```

```
1.00000    1572.654     .000000     .000000     .000000     .000000     .000000

ELEM     165 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1566.077     .000000     .000000     .000000     .000000     .000000
0.50000    1566.077     .000000     .000000     .000000     .000000     .000000
1.00000    1566.077     .000000     .000000     .000000     .000000     .000000

ELEM     166 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1434.987     .000000     .000000     .000000     .000000     .000000
0.50000    1434.987     .000000     .000000     .000000     .000000     .000000
1.00000    1434.987     .000000     .000000     .000000     .000000     .000000

ELEM     167 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1400.701     .000000     .000000     .000000     .000000     .000000
0.50000    1400.701     .000000     .000000     .000000     .000000     .000000
1.00000    1400.701     .000000     .000000     .000000     .000000     .000000

ELEM     168 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1365.819     .000000     .000000     .000000     .000000     .000000
0.50000    1365.819     .000000     .000000     .000000     .000000     .000000
1.00000    1365.819     .000000     .000000     .000000     .000000     .000000

ELEM     169 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1320.270     .000000     .000000     .000000     .000000     .000000
0.50000    1320.270     .000000     .000000     .000000     .000000     .000000
1.00000    1320.270     .000000     .000000     .000000     .000000     .000000

ELEM     170 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1278.795     .000000     .000000     .000000     .000000     .000000
0.50000    1278.795     .000000     .000000     .000000     .000000     .000000
1.00000    1278.795     .000000     .000000     .000000     .000000     .000000

ELEM     171 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1218.660     .000000     .000000     .000000     .000000     .000000
0.50000    1218.660     .000000     .000000     .000000     .000000     .000000
```

```
1.00000    1218.660     .000000     .000000     .000000     .000000     .000000

ELEM     172 ================== LENGTH =   34.437500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  788.527882     .000000     .000000     .000000     .000000     .000000
0.50000  788.527882     .000000     .000000     .000000     .000000     .000000
1.00000  788.527882     .000000     .000000     .000000     .000000     .000000

ELEM     173 ================== LENGTH =   88.562500

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  157.434544     .000000     .000000     .000000     .000000     .000000
0.50000  157.434544     .000000     .000000     .000000     .000000     .000000
1.00000  157.434544     .000000     .000000     .000000     .000000     .000000

ELEM     174 ================== LENGTH =   39.905978

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2011.022     .000000     .000000     .000000     .000000     .000000
0.50000    2011.022     .000000     .000000     .000000     .000000     .000000
1.00000    2011.022     .000000     .000000     .000000     .000000     .000000

ELEM     175 ================== LENGTH =   39.905935

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1102.702     .000000     .000000     .000000     .000000     .000000
0.50000    1102.702     .000000     .000000     .000000     .000000     .000000
1.00000    1102.702     .000000     .000000     .000000     .000000     .000000

ELEM     177 ================== LENGTH =   79.098436

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  624.812950     .000000     .000000     .000000     .000000     .000000
0.50000  624.812950     .000000     .000000     .000000     .000000     .000000
1.00000  624.812950     .000000     .000000     .000000     .000000     .000000

ELEM     178 ================== LENGTH =  120.400374

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    7757.682     .000000     .000000     .000000     .000000     .000000
0.50000    7757.682     .000000     .000000     .000000     .000000     .000000
1.00000    7757.682     .000000     .000000     .000000     .000000     .000000

ELEM     179 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   49.364292     .000000     .000000     .000000     .000000     .000000
0.25000   49.364292     .000000     .000000     .000000     .000000     .000000
```

```
0.50000   49.364292     .000000     .000000     .000000     .000000     .000000
0.75000   49.364292     .000000     .000000     .000000     .000000     .000000
1.00000   49.364292     .000000     .000000     .000000     .000000     .000000

ELEM     181 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  203.613899     .000000     .000000     .000000     .000000     .000000
0.50000  203.613899     .000000     .000000     .000000     .000000     .000000
1.00000  203.613899     .000000     .000000     .000000     .000000     .000000

ELEM     182 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  123.193310     .000000     .000000     .000000     .000000     .000000
0.25000  123.193310     .000000     .000000     .000000     .000000     .000000
0.50000  123.193310     .000000     .000000     .000000     .000000     .000000
0.75000  123.193310     .000000     .000000     .000000     .000000     .000000
1.00000  123.193310     .000000     .000000     .000000     .000000     .000000

ELEM     184 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  147.585834     .000000     .000000     .000000     .000000     .000000
0.50000  147.585834     .000000     .000000     .000000     .000000     .000000
1.00000  147.585834     .000000     .000000     .000000     .000000     .000000

ELEM     185 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   74.428024     .000000     .000000     .000000     .000000     .000000
0.25000   74.428024     .000000     .000000     .000000     .000000     .000000
0.50000   74.428024     .000000     .000000     .000000     .000000     .000000
0.75000   74.428024     .000000     .000000     .000000     .000000     .000000
1.00000   74.428024     .000000     .000000     .000000     .000000     .000000

ELEM     187 ================== LENGTH =   86.533231

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  216.297780     .000000     .000000     .000000     .000000     .000000
0.50000  216.297780     .000000     .000000     .000000     .000000     .000000
1.00000  216.297780     .000000     .000000     .000000     .000000     .000000

ELEM     188 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  109.725702     .000000     .000000     .000000     .000000     .000000
0.25000  109.725702     .000000     .000000     .000000     .000000     .000000
0.50000  109.725702     .000000     .000000     .000000     .000000     .000000
0.75000  109.725702     .000000     .000000     .000000     .000000     .000000
1.00000  109.725702     .000000     .000000     .000000     .000000     .000000
```

```
ELEM     189 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1113.374     .000000     .000000     .000000     .000000     .000000
0.25000    1113.374     .000000     .000000     .000000     .000000     .000000
0.50000    1113.374     .000000     .000000     .000000     .000000     .000000
0.75000    1113.374     .000000     .000000     .000000     .000000     .000000
1.00000    1113.374     .000000     .000000     .000000     .000000     .000000

ELEM     191 ================== LENGTH =   72.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  578.120925     .000000     .000000     .000000     .000000     .000000
0.25000  578.120925     .000000     .000000     .000000     .000000     .000000
0.50000  578.120925     .000000     .000000     .000000     .000000     .000000
0.75000  578.120925     .000000     .000000     .000000     .000000     .000000
1.00000  578.120925     .000000     .000000     .000000     .000000     .000000

ELEM     192 ================== LENGTH =   39.905978

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1104.898     .000000     .000000     .000000     .000000     .000000
0.50000    1104.898     .000000     .000000     .000000     .000000     .000000
1.00000    1104.898     .000000     .000000     .000000     .000000     .000000

ELEM     193 ================== LENGTH =   39.905935

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    2008.732     .000000     .000000     .000000     .000000     .000000
0.50000    2008.732     .000000     .000000     .000000     .000000     .000000
1.00000    2008.732     .000000     .000000     .000000     .000000     .000000

ELEM     194 ================== LENGTH =   15.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1939.969  366.147942     .000000     .000000     .000000    0.000992
0.50000    1939.969  366.147942     .000000     .000000     .000000    2883.414
1.00000    1939.969  366.147942     .000000     .000000     .000000    5766.829

ELEM     195 ================== LENGTH =   32.750000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1940.175  369.652790     .000000     .000000     .000000    5766.828
0.50000    1940.175  369.652790     .000000     .000000     .000000    3983.735
1.00000    1940.175  369.652790     .000000     .000000     .000000    8471.314

ELEM     196 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------
```

```
REL DIST          P          V2          V3           T          M2          M3
0.00000    1703.636  176.485776     .000000     .000000     .000000    8471.315
0.50000    1703.636  176.485776     .000000     .000000     .000000    4235.656
1.00000    1703.636  176.485776     .000000     .000000     .000000    0.002428

ELEM     197 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1694.045     .000000     .000000     .000000     .000000     .000000
0.50000    1694.045     .000000     .000000     .000000     .000000     .000000
1.00000    1694.045     .000000     .000000     .000000     .000000     .000000

ELEM     198 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1586.649     .000000     .000000     .000000     .000000     .000000
0.50000    1586.649     .000000     .000000     .000000     .000000     .000000
1.00000    1586.649     .000000     .000000     .000000     .000000     .000000

ELEM     199 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1546.203     .000000     .000000     .000000     .000000     .000000
0.50000    1546.203     .000000     .000000     .000000     .000000     .000000
1.00000    1546.203     .000000     .000000     .000000     .000000     .000000

ELEM     200 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1541.990     .000000     .000000     .000000     .000000     .000000
0.50000    1541.990     .000000     .000000     .000000     .000000     .000000
1.00000    1541.990     .000000     .000000     .000000     .000000     .000000

ELEM     201 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1506.605     .000000     .000000     .000000     .000000     .000000
0.50000    1506.605     .000000     .000000     .000000     .000000     .000000
1.00000    1506.605     .000000     .000000     .000000     .000000     .000000

ELEM     202 ================== LENGTH =   48.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000    1500.188     .000000     .000000     .000000     .000000     .000000
0.50000    1500.188     .000000     .000000     .000000     .000000     .000000
1.00000    1500.188     .000000     .000000     .000000     .000000     .000000

ELEM     203 ================== LENGTH =   34.437500

SPEC   HORIZ ------------------
```

REL DIST	P	V2	V3	T	M2	M3
0.00000	1041.703	.000000	.000000	.000000	.000000	.000000
0.50000	1041.703	.000000	.000000	.000000	.000000	.000000
1.00000	1041.703	.000000	.000000	.000000	.000000	.000000

ELEM 204 ========== LENGTH = 88.562500

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	118.484195	.000000	.000000	.000000	.000000	.000000
0.50000	118.484195	.000000	.000000	.000000	.000000	.000000
1.00000	118.484195	.000000	.000000	.000000	.000000	.000000

ELEM 205 ========== LENGTH = 49.604034

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	295.286309	.000000	.000000	.000000	.000000	.000000
0.50000	295.286309	.000000	.000000	.000000	.000000	.000000
1.00000	295.286309	.000000	.000000	.000000	.000000	.000000

ELEM 207 ========== LENGTH = 25.024800

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	26.057708	3.08E-05	2.79E-21	.000000	3.49E-20	0.000386
0.25000	26.057708	3.08E-05	2.79E-21	.000000	1.74E-20	0.000193
0.50000	26.057708	3.08E-05	2.79E-21	.000000	2.21E-29	2.01E-13
0.75000	26.057708	3.08E-05	2.79E-21	.000000	1.74E-20	0.000193
1.00000	26.057708	3.08E-05	2.79E-21	.000000	3.49E-20	0.000386

ELEM 208 ========== LENGTH = 49.604034

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	289.004173	.000000	.000000	.000000	.000000	.000000
0.50000	289.004173	.000000	.000000	.000000	.000000	.000000
1.00000	289.004173	.000000	.000000	.000000	.000000	.000000

ELEM 210 ========== LENGTH = 50.049600

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	39.808065	.000000	.000000	.000000	.000000	.000000
0.25000	39.808065	.000000	.000000	.000000	.000000	.000000
0.50000	39.808065	.000000	.000000	.000000	.000000	.000000
0.75000	39.808065	.000000	.000000	.000000	.000000	.000000
1.00000	39.808065	.000000	.000000	.000000	.000000	.000000

ELEM 211 ========== LENGTH = 49.604034

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	284.164804	.000000	.000000	.000000	.000000	.000000
0.50000	284.164804	.000000	.000000	.000000	.000000	.000000
1.00000	284.164804	.000000	.000000	.000000	.000000	.000000

```
ELEM     212 ================== LENGTH =   62.562000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   60.872775     .000000     .000000     .000000     .000000     .000000
0.25000   60.872775     .000000     .000000     .000000     .000000     .000000
0.50000   60.872775     .000000     .000000     .000000     .000000     .000000
0.75000   60.872775     .000000     .000000     .000000     .000000     .000000
1.00000   60.872775     .000000     .000000     .000000     .000000     .000000

ELEM     214 ================== LENGTH =   49.604034

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  266.288328     .000000     .000000     .000000     .000000     .000000
0.50000  266.288328     .000000     .000000     .000000     .000000     .000000
1.00000  266.288328     .000000     .000000     .000000     .000000     .000000

ELEM     215 ================== LENGTH =   94.625000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  229.821986     .000000     .000000     .000000     .000000     .000000
0.25000  229.821986     .000000     .000000     .000000     .000000     .000000
0.50000  229.821986     .000000     .000000     .000000     .000000     .000000
0.75000  229.821986     .000000     .000000     .000000     .000000     .000000
1.00000  229.821986     .000000     .000000     .000000     .000000     .000000

ELEM     216 ================== LENGTH =   49.604034

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  256.890505     .000000     .000000     .000000     .000000     .000000
0.50000  256.890505     .000000     .000000     .000000     .000000     .000000
1.00000  256.890505     .000000     .000000     .000000     .000000     .000000

ELEM     217 ================== LENGTH =   35.588312

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  231.834397     .000000     .000000     .000000     .000000     .000000
0.50000  231.834397     .000000     .000000     .000000     .000000     .000000
1.00000  231.834397     .000000     .000000     .000000     .000000     .000000

ELEM     218 ================== LENGTH =   91.522018

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  115.707950     .000000     .000000     .000000     .000000     .000000
0.50000  115.707950     .000000     .000000     .000000     .000000     .000000
1.00000  115.707950     .000000     .000000     .000000     .000000     .000000

ELEM     219 ================== LENGTH =   17.539000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
```

```
0.00000  355.756850   10.843688    4.11E-16     .000000     .000000     .000000
0.25000  355.756850   10.843688    4.11E-16     .000000    1.80E-15   47.546859
0.50000  355.756850   10.843688    4.11E-16     .000000    3.61E-15   95.093719
0.75000  355.756850   10.843688    4.11E-16     .000000    5.41E-15  142.640578
1.00000  355.756850   10.843688    4.11E-16     .000000    7.21E-15  190.187438

ELEM     220 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  320.420158    4.420968    1.77E-16     .000000    6.69E-15  190.186700
0.25000  320.420158    4.420968    1.77E-16     .000000    7.55E-15  211.992403
0.50000  320.420158    4.420968    1.77E-16     .000000    8.46E-15  234.771833
0.75000  320.420158    4.420968    1.77E-16     .000000    9.40E-15  258.267469
1.00000  320.420158    4.420968    1.77E-16     .000000    1.04E-14  282.300539

ELEM     221 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  279.861463    7.855705    3.14E-16     .000000    1.05E-14  282.299831
0.25000  279.861463    7.855705    3.14E-16     .000000    8.67E-15  235.450836
0.50000  279.861463    7.855705    3.14E-16     .000000    6.80E-15  188.743924
0.75000  279.861463    7.855705    3.14E-16     .000000    4.95E-15  142.319055
1.00000  279.861463    7.855705    3.14E-16     .000000    3.13E-15   96.583794

ELEM     222 ================== LENGTH =    5.999980

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  256.135796   16.097237    8.03E-16     .000000    4.82E-15   96.583099
0.25000  256.135796   16.097237    8.03E-16     .000000    3.62E-15   72.437324
0.50000  256.135796   16.097237    8.03E-16     .000000    2.41E-15   48.291550
0.75000  256.135796   16.097237    8.03E-16     .000000    1.21E-15   24.145775
1.00000  256.135796   16.097237    8.03E-16     .000000    1.63E-27    8.22E-12

ELEM     223 ================== LENGTH =    9.537200

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  126.317022   10.684494    9.75E-16     .000000     .000000     .000000
0.25000  126.317022   10.684494    9.75E-16     .000000    2.33E-15   25.475039
0.50000  126.317022   10.684494    9.75E-16     .000000    4.65E-15   50.950077
0.75000  126.317022   10.684494    9.75E-16     .000000    6.98E-15   76.425116
1.00000  126.317022   10.684494    9.75E-16     .000000    9.30E-15  101.900154

ELEM     224 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   68.711744    2.984968    2.70E-16     .000000    9.11E-15  101.900050
0.25000   68.711744    2.984968    2.70E-16     .000000    7.70E-15   86.276856
0.50000   68.711744    2.984968    2.70E-16     .000000    6.38E-15   71.730707
0.75000   68.711744    2.984968    2.70E-16     .000000    5.24E-15   59.062809
1.00000   68.711744    2.984968    2.70E-16     .000000    4.40E-15   49.729861

ELEM     225 ================== LENGTH =    3.999990
```

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	35.012831	12.432425	1.23E-15	.000000	4.91E-15	49.729575
0.25000	35.012831	12.432425	1.23E-15	.000000	3.68E-15	37.297182
0.50000	35.012831	12.432425	1.23E-15	.000000	2.46E-15	24.864788
0.75000	35.012831	12.432425	1.23E-15	.000000	1.23E-15	12.432394
1.00000	35.012831	12.432425	1.23E-15	.000000	2.46E-28	2.66E-12

ELEM 226 ========== LENGTH = 8.512400

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	36.110361	1.083964	9.95E-17	.000000	.000000	.000000
0.25000	36.110361	1.083964	9.95E-17	.000000	2.12E-16	2.306784
0.50000	36.110361	1.083964	9.95E-17	.000000	4.24E-16	4.613568
0.75000	36.110361	1.083964	9.95E-17	.000000	6.35E-16	6.920351
1.00000	36.110361	1.083964	9.95E-17	.000000	8.47E-16	9.227135

ELEM 227 ========== LENGTH = 4.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	18.768167	2.306713	2.28E-16	.000000	9.11E-16	9.226852
0.25000	18.768167	2.306713	2.28E-16	.000000	6.84E-16	6.920139
0.50000	18.768167	2.306713	2.28E-16	.000000	4.56E-16	4.613426
0.75000	18.768167	2.306713	2.28E-16	.000000	2.28E-16	2.306713
1.00000	18.768167	2.306713	2.28E-16	.000000	.000000	1.76E-18

ELEM 228 ========== LENGTH = 36.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	680.705135	2.606602	2.32E-16	.000000	.000000	.000000
0.25000	680.705135	2.606602	2.32E-16	.000000	2.09E-15	23.459415
0.50000	680.705135	2.606602	2.32E-16	.000000	4.18E-15	46.918831
0.75000	680.705135	2.606602	2.32E-16	.000000	6.27E-15	70.378246
1.00000	680.705135	2.606602	2.32E-16	.000000	8.37E-15	93.837662

ELEM 229 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	674.106780	1.269136	1.15E-16	.000000	8.37E-15	93.837575
0.25000	674.106780	1.269136	1.15E-16	.000000	7.77E-15	87.196626
0.50000	674.106780	1.269136	1.15E-16	.000000	7.18E-15	80.727836
0.75000	674.106780	1.269136	1.15E-16	.000000	6.62E-15	74.476079
1.00000	674.106780	1.269136	1.15E-16	.000000	6.08E-15	68.500803

ELEM 230 ========== LENGTH = 12.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	663.106383	5.708402	5.16E-16	.000000	6.20E-15	68.500825
0.25000	663.106383	5.708402	5.16E-16	.000000	4.65E-15	51.375619
0.50000	663.106383	5.708402	5.16E-16	.000000	3.10E-15	34.250413
0.75000	663.106383	5.708402	5.16E-16	.000000	1.55E-15	17.125206
1.00000	663.106383	5.708402	5.16E-16	.000000	6.19E-29	1.86E-13

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ELEM     231 ================== LENGTH =   15.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  240.344338   13.619523    1.23E-15     .000000     .000000     .000000
0.25000  240.344338   13.619523    1.23E-15     .000000    4.59E-15   51.073213
0.50000  240.344338   13.619523    1.23E-15     .000000    9.19E-15  102.146425
0.75000  240.344338   13.619523    1.23E-15     .000000    1.38E-14  153.219638
1.00000  240.344338   13.619523    1.23E-15     .000000    1.84E-14  204.292850

ELEM     232 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  248.506682    7.244357    6.55E-16     .000000    1.81E-14  204.292382
0.25000  248.506682    7.244357    6.55E-16     .000000    2.19E-14  246.981584
0.50000  248.506682    7.244357    6.55E-16     .000000    2.58E-14  289.901775
0.75000  248.506682    7.244357    6.55E-16     .000000    2.97E-14  332.963642
1.00000  248.506682    7.244357    6.55E-16     .000000    3.36E-14  376.118525

ELEM     233 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  263.783542   10.052026    9.09E-16     .000000    3.36E-14  376.118501
0.25000  263.783542   10.052026    9.09E-16     .000000    2.83E-14  317.247950
0.50000  263.783542   10.052026    9.09E-16     .000000    2.30E-14  259.041519
0.75000  263.783542   10.052026    9.09E-16     .000000    1.79E-14  202.073918
1.00000  263.783542   10.052026    9.09E-16     .000000    1.30E-14  147.784775

ELEM     234 ================== LENGTH =    9.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  278.170494   16.420565    1.50E-15     .000000    1.35E-14  147.785082
0.25000  278.170494   16.420565    1.50E-15     .000000    1.01E-14  110.838812
0.50000  278.170494   16.420565    1.50E-15     .000000    6.76E-15   73.892541
0.75000  278.170494   16.420565    1.50E-15     .000000    3.38E-15   36.946271
1.00000  278.170494   16.420565    1.50E-15     .000000    1.48E-29    8.46E-13

ELEM     235 ================== LENGTH =   15.487600

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  176.283251   25.736459    2.31E-15     .000000     .000000     .000000
0.25000  176.283251   25.736459    2.31E-15     .000000    8.96E-15   99.648994
0.50000  176.283251   25.736459    2.31E-15     .000000    1.79E-14  199.297989
0.75000  176.283251   25.736459    2.31E-15     .000000    2.69E-14  298.946983
1.00000  176.283251   25.736459    2.31E-15     .000000    3.58E-14  398.595978

ELEM     236 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  205.374436    9.465901    8.56E-16     .000000    3.53E-14  398.595224
0.25000  205.374436    9.465901    8.56E-16     .000000    3.96E-14  445.538844
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0.50000  205.374436    9.465901    8.56E-16     .000000    4.40E-14  494.553341
0.75000  205.374436    9.465901    8.56E-16     .000000    4.86E-14  545.080351
1.00000  205.374436    9.465901    8.56E-16     .000000    5.33E-14  596.735793

ELEM     237 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  230.586585   15.572685    1.41E-15     .000000    5.34E-14  596.735784
0.25000  230.586585   15.572685    1.41E-15     .000000    4.50E-14  504.640725
0.50000  230.586585   15.572685    1.41E-15     .000000    3.68E-14  413.148328
0.75000  230.586585   15.572685    1.41E-15     .000000    2.86E-14  322.771489
1.00000  230.586585   15.572685    1.41E-15     .000000    2.06E-14  234.801919

ELEM     238 ================== LENGTH =    8.512400

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  255.276023   27.583582    2.53E-15     .000000    2.16E-14  234.802480
0.25000  255.276023   27.583582    2.53E-15     .000000    1.62E-14  176.101860
0.50000  255.276023   27.583582    2.53E-15     .000000    1.08E-14  117.401240
0.75000  255.276023   27.583582    2.53E-15     .000000    5.39E-15   58.700620
1.00000  255.276023   27.583582    2.53E-15     .000000    1.36E-28    2.09E-12

ELEM     239 ================== LENGTH =   14.462800

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  362.960719   35.856099    3.23E-15     .000000     .000000     .000000
0.25000  362.960719   35.856099    3.23E-15     .000000    1.17E-14  129.644897
0.50000  362.960719   35.856099    3.23E-15     .000000    2.33E-14  259.289794
0.75000  362.960719   35.856099    3.23E-15     .000000    3.50E-14  388.934691
1.00000  362.960719   35.856099    3.23E-15     .000000    4.67E-14  518.579588

ELEM     240 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  412.830936   16.045126    1.45E-15     .000000    4.59E-14  518.578456
0.25000  412.830936   16.045126    1.45E-15     .000000    5.41E-14  609.208085
0.50000  412.830936   16.045126    1.45E-15     .000000    6.24E-14  701.342630
0.75000  412.830936   16.045126    1.45E-15     .000000    7.08E-14  794.458682
1.00000  412.830936   16.045126    1.45E-15     .000000    7.93E-14  888.247615

ELEM     241 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  462.421538   22.039601    1.99E-15     .000000    7.94E-14  888.247555
0.25000  462.421538   22.039601    1.99E-15     .000000    6.76E-14  757.120004
0.50000  462.421538   22.039601    1.99E-15     .000000    5.57E-14  626.459298
0.75000  462.421538   22.039601    1.99E-15     .000000    4.40E-14  496.634044
1.00000  462.421538   22.039601    1.99E-15     .000000    3.24E-14  368.528244

ELEM     242 ================== LENGTH =    9.537200

SPEC   HORIZ ------------------
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REL DIST	P	V2	V3	T	M2	M3
0.00000	504.118264	38.641226	3.53E-15	.000000	3.36E-14	368.529101
0.25000	504.118264	38.641226	3.53E-15	.000000	2.52E-14	276.396826
0.50000	504.118264	38.641226	3.53E-15	.000000	1.68E-14	184.264550
0.75000	504.118264	38.641226	3.53E-15	.000000	8.41E-15	92.132275
1.00000	504.118264	38.641226	3.53E-15	.000000	1.35E-28	5.76E-13

ELEM 243 ========== LENGTH = 6.461000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	201.047240	12.970806	6.26E-16	.000000	.000000	.000000
0.25000	201.047240	12.970806	6.26E-16	.000000	1.01E-15	20.951094
0.50000	201.047240	12.970806	6.26E-16	.000000	2.02E-15	41.902187
0.75000	201.047240	12.970806	6.26E-16	.000000	3.03E-15	62.853281
1.00000	201.047240	12.970806	6.26E-16	.000000	4.05E-15	83.804375

ELEM 244 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	166.588697	5.984746	2.39E-16	.000000	2.77E-15	83.804305
0.25000	166.588697	5.984746	2.39E-16	.000000	4.07E-15	116.603601
0.50000	166.588697	5.984746	2.39E-16	.000000	5.43E-15	150.825978
0.75000	166.588697	5.984746	2.39E-16	.000000	6.83E-15	185.686265
1.00000	166.588697	5.984746	2.39E-16	.000000	8.24E-15	220.882639

ELEM 245 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	136.663756	2.499354	9.99E-17	.000000	8.05E-15	220.882416
0.25000	136.663756	2.499354	9.99E-17	.000000	7.59E-15	209.492025
0.50000	136.663756	2.499354	9.99E-17	.000000	7.16E-15	198.581325
0.75000	136.663756	2.499354	9.99E-17	.000000	6.74E-15	188.233748
1.00000	136.663756	2.499354	9.99E-17	.000000	6.36E-15	178.547228

ELEM 246 ========== LENGTH = 17.539000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	107.344524	10.179996	3.86E-16	.000000	6.77E-15	178.546949
0.25000	107.344524	10.179996	3.86E-16	.000000	5.08E-15	133.910211
0.50000	107.344524	10.179996	3.86E-16	.000000	3.39E-15	89.273474
0.75000	107.344524	10.179996	3.86E-16	.000000	1.69E-15	44.636737
1.00000	107.344524	10.179996	3.86E-16	.000000	6.90E-29	2.52E-12

ELEM 247 ========== LENGTH = 12.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	164.923765	9.433299	8.53E-16	.000000	.000000	.000000
0.25000	164.923765	9.433299	8.53E-16	.000000	2.56E-15	28.299898
0.50000	164.923765	9.433299	8.53E-16	.000000	5.12E-15	56.599796
0.75000	164.923765	9.433299	8.53E-16	.000000	7.68E-15	84.899695
1.00000	164.923765	9.433299	8.53E-16	.000000	1.02E-14	113.199593

ELEM 248 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	148.956486	4.184163	3.79E-16	.000000	1.00E-14	113.199379
0.25000	148.956486	4.184163	3.79E-16	.000000	1.22E-14	137.526659
0.50000	148.956486	4.184163	3.79E-16	.000000	1.44E-14	162.091282
0.75000	148.956486	4.184163	3.79E-16	.000000	1.67E-14	186.799640
1.00000	148.956486	4.184163	3.79E-16	.000000	1.89E-14	211.601387

ELEM 249 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	132.523857	4.610711	4.17E-16	.000000	1.89E-14	211.601410
0.25000	132.523857	4.610711	4.17E-16	.000000	1.64E-14	183.966350
0.50000	132.523857	4.610711	4.17E-16	.000000	1.39E-14	156.341620
0.75000	132.523857	4.610711	4.17E-16	.000000	1.14E-14	128.733871
1.00000	132.523857	4.610711	4.17E-16	.000000	8.92E-15	101.157005

ELEM 250 ========== LENGTH = 12.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	118.389289	8.429771	7.63E-16	.000000	9.15E-15	101.157258
0.25000	118.389289	8.429771	7.63E-16	.000000	6.86E-15	75.867943
0.50000	118.389289	8.429771	7.63E-16	.000000	4.58E-15	50.578629
0.75000	118.389289	8.429771	7.63E-16	.000000	2.29E-15	25.289314
1.00000	118.389289	8.429771	7.63E-16	.000000	1.09E-28	6.51E-13

ELEM 251 ========== LENGTH = 15.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	388.935673	18.657260	1.68E-15	.000000	.000000	.000000
0.25000	388.935673	18.657260	1.68E-15	.000000	6.29E-15	69.964727
0.50000	388.935673	18.657260	1.68E-15	.000000	1.26E-14	139.929453
0.75000	388.935673	18.657260	1.68E-15	.000000	1.89E-14	209.894180
1.00000	388.935673	18.657260	1.68E-15	.000000	2.52E-14	279.858906

ELEM 252 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	387.153183	6.719948	6.08E-16	.000000	2.48E-14	279.858468
0.25000	387.153183	6.719948	6.08E-16	.000000	2.81E-14	316.412670
0.50000	387.153183	6.719948	6.08E-16	.000000	3.15E-14	353.786019
0.75000	387.153183	6.719948	6.08E-16	.000000	3.49E-14	391.744140
1.00000	387.153183	6.719948	6.08E-16	.000000	3.84E-14	430.132247

ELEM 253 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	386.588092	11.194180	1.01E-15	.000000	3.85E-14	430.132327
0.25000	386.588092	11.194180	1.01E-15	.000000	3.24E-14	363.205387
0.50000	386.588092	11.194180	1.01E-15	.000000	2.64E-14	296.386208
0.75000	386.588092	11.194180	1.01E-15	.000000	2.03E-14	229.768823

```
1.00000  386.588092   11.194180    1.01E-15     .000000    1.44E-14  163.599926

ELEM     254 ================== LENGTH =    9.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  386.902521   18.177825    1.66E-15     .000000    1.50E-14  163.600427
0.25000  386.902521   18.177825    1.66E-15     .000000    1.12E-14  122.700320
0.50000  386.902521   18.177825    1.66E-15     .000000    7.49E-15   81.800214
0.75000  386.902521   18.177825    1.66E-15     .000000    3.74E-15   40.900107
1.00000  386.902521   18.177825    1.66E-15     .000000    1.53E-28    1.32E-12

ELEM     255 ================== LENGTH =   15.487600

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  288.169010   17.679372    1.59E-15     .000000     .000000     .000000
0.25000  288.169010   17.679372    1.59E-15     .000000    6.15E-15   68.452759
0.50000  288.169010   17.679372    1.59E-15     .000000    1.23E-14  136.905518
0.75000  288.169010   17.679372    1.59E-15     .000000    1.85E-14  205.358277
1.00000  288.169010   17.679372    1.59E-15     .000000    2.46E-14  273.811037

ELEM     256 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  309.069827    5.527075    5.00E-16     .000000    2.43E-14  273.810703
0.25000  309.069827    5.527075    5.00E-16     .000000    2.69E-14  303.093727
0.50000  309.069827    5.527075    5.00E-16     .000000    2.96E-14  333.104803
0.75000  309.069827    5.527075    5.00E-16     .000000    3.24E-14  363.663730
1.00000  309.069827    5.527075    5.00E-16     .000000    3.52E-14  394.643262

ELEM     257 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  329.622931   11.555210    1.05E-15     .000000    3.53E-14  394.643397
0.25000  329.622931   11.555210    1.05E-15     .000000    2.91E-14  325.359718
0.50000  329.622931   11.555210    1.05E-15     .000000    2.28E-14  256.101791
0.75000  329.622931   11.555210    1.05E-15     .000000    1.65E-14  186.898249
1.00000  329.622931   11.555210    1.05E-15     .000000    1.03E-14  117.844940

ELEM     258 ================== LENGTH =    8.512400

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  336.463321   13.843973    1.27E-15     .000000    1.08E-14  117.845437
0.25000  336.463321   13.843973    1.27E-15     .000000    8.11E-15   88.384077
0.50000  336.463321   13.843973    1.27E-15     .000000    5.41E-15   58.922718
0.75000  336.463321   13.843973    1.27E-15     .000000    2.70E-15   29.461359
1.00000  336.463321   13.843973    1.27E-15     .000000    1.74E-28    6.42E-13

ELEM     259 ================== LENGTH =   14.462800

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  559.477989   19.349349    1.74E-15     .000000     .000000     .000000
```

0.25000	559.477989	19.349349	1.74E-15	.000000	6.30E-15	69.961441
0.50000	559.477989	19.349349	1.74E-15	.000000	1.26E-14	139.922883
0.75000	559.477989	19.349349	1.74E-15	.000000	1.89E-14	209.884324
1.00000	559.477989	19.349349	1.74E-15	.000000	2.52E-14	279.845765

ELEM 261 ========== LENGTH = 12.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	74.724296	1.930911	1.75E-16	.000000	.000000	.000000
0.25000	74.724296	1.930911	1.75E-16	.000000	5.24E-16	5.792734
0.50000	74.724296	1.930911	1.75E-16	.000000	1.05E-15	11.585468
0.75000	74.724296	1.930911	1.75E-16	.000000	1.57E-15	17.378202
1.00000	74.724296	1.930911	1.75E-16	.000000	2.10E-15	23.170936

ELEM 262 ========== LENGTH = 30.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	60.337892	0.690791	6.21E-17	.000000	2.05E-15	23.170667
0.25000	60.337892	0.690791	6.21E-17	.000000	2.47E-15	27.856909
0.50000	60.337892	0.690791	6.21E-17	.000000	2.91E-15	32.692798
0.75000	60.337892	0.690791	6.21E-17	.000000	3.35E-15	37.620671
1.00000	60.337892	0.690791	6.21E-17	.000000	3.80E-15	42.608624

ELEM 263 ========== LENGTH = 30.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	45.634320	1.420281	1.27E-16	.000000	3.80E-15	42.608418
0.25000	45.634320	1.420281	1.27E-16	.000000	2.85E-15	31.956314
0.50000	45.634320	1.420281	1.27E-16	.000000	1.90E-15	21.304209
0.75000	45.634320	1.420281	1.27E-16	.000000	9.50E-16	10.652105
1.00000	45.634320	1.420281	1.27E-16	.000000	7.80E-30	1.49E-13

ELEM 264 ========== LENGTH = 26.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	394.500329	2.295069	2.05E-16	.000000	.000000	.000000
0.25000	394.500329	2.295069	2.05E-16	.000000	1.33E-15	14.917950
0.50000	394.500329	2.295069	2.05E-16	.000000	2.66E-15	29.835899
0.75000	394.500329	2.295069	2.05E-16	.000000	4.00E-15	44.753849
1.00000	394.500329	2.295069	2.05E-16	.000000	5.33E-15	59.671799

ELEM 265 ========== LENGTH = 46.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	397.385538	1.297205	1.16E-16	.000000	5.32E-15	59.671439
0.25000	397.385538	1.297205	1.16E-16	.000000	3.99E-15	44.753579
0.50000	397.385538	1.297205	1.16E-16	.000000	2.66E-15	29.835720
0.75000	397.385538	1.297205	1.16E-16	.000000	1.33E-15	14.917860
1.00000	397.385538	1.297205	1.16E-16	.000000	2.32E-29	1.66E-13

ELEM 266 ========== LENGTH = 12.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	73.018406	2.202080	1.99E-16	.000000	.000000	.000000
0.25000	73.018406	2.202080	1.99E-16	.000000	5.98E-16	6.606240
0.50000	73.018406	2.202080	1.99E-16	.000000	1.20E-15	13.212479
0.75000	73.018406	2.202080	1.99E-16	.000000	1.79E-15	19.818719
1.00000	73.018406	2.202080	1.99E-16	.000000	2.39E-15	26.424958

ELEM 267 ========== LENGTH = 60.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	65.660099	0.440409	3.92E-17	.000000	2.35E-15	26.424522
0.25000	65.660099	0.440409	3.92E-17	.000000	1.76E-15	19.818392
0.50000	65.660099	0.440409	3.92E-17	.000000	1.18E-15	13.212261
0.75000	65.660099	0.440409	3.92E-17	.000000	5.88E-16	6.606131
1.00000	65.660099	0.440409	3.92E-17	.000000	6.73E-30	1.12E-13

ELEM 268 ========== LENGTH = 30.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	46.016256	1.476090	1.32E-16	.000000	.000000	.000000
0.25000	46.016256	1.476090	1.32E-16	.000000	9.88E-16	11.070673
0.50000	46.016256	1.476090	1.32E-16	.000000	1.98E-15	22.141346
0.75000	46.016256	1.476090	1.32E-16	.000000	2.96E-15	33.212018
1.00000	46.016256	1.476090	1.32E-16	.000000	3.95E-15	44.282691

ELEM 269 ========== LENGTH = 30.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	60.717840	0.721402	6.49E-17	.000000	3.95E-15	44.282889
0.25000	60.717840	0.721402	6.49E-17	.000000	3.48E-15	39.058435
0.50000	60.717840	0.721402	6.49E-17	.000000	3.02E-15	33.892415
0.75000	60.717840	0.721402	6.49E-17	.000000	2.56E-15	28.816274
1.00000	60.717840	0.721402	6.49E-17	.000000	2.12E-15	23.887379

ELEM 270 ========== LENGTH = 12.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	75.102549	1.990637	1.80E-16	.000000	2.16E-15	23.887643
0.25000	75.102549	1.990637	1.80E-16	.000000	1.62E-15	17.915733
0.50000	75.102549	1.990637	1.80E-16	.000000	1.08E-15	11.943822
0.75000	75.102549	1.990637	1.80E-16	.000000	5.40E-16	5.971911
1.00000	75.102549	1.990637	1.80E-16	.000000	5.53E-30	5.32E-14

ELEM 271 ========== LENGTH = 46.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	401.871864	1.314807	1.17E-16	.000000	.000000	.000000
0.25000	401.871864	1.314807	1.17E-16	.000000	1.35E-15	15.120282
0.50000	401.871864	1.314807	1.17E-16	.000000	2.69E-15	30.240564
0.75000	401.871864	1.314807	1.17E-16	.000000	4.04E-15	45.360846
1.00000	401.871864	1.314807	1.17E-16	.000000	5.39E-15	60.481127

ELEM 272 ========== LENGTH = 26.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	398.819111	2.326211	2.08E-16	.000000	5.40E-15	60.481479
0.25000	398.819111	2.326211	2.08E-16	.000000	4.05E-15	45.361109
0.50000	398.819111	2.326211	2.08E-16	.000000	2.70E-15	30.240739
0.75000	398.819111	2.326211	2.08E-16	.000000	1.35E-15	15.120370
1.00000	398.819111	2.326211	2.08E-16	.000000	7.06E-30	2.03E-13

ELEM 273 ========== LENGTH = 12.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	118.756292	8.482349	7.67E-16	.000000	.000000	.000000
0.25000	118.756292	8.482349	7.67E-16	.000000	2.30E-15	25.447048
0.50000	118.756292	8.482349	7.67E-16	.000000	4.60E-15	50.894096
0.75000	118.756292	8.482349	7.67E-16	.000000	6.91E-15	76.341145
1.00000	118.756292	8.482349	7.67E-16	.000000	9.21E-15	101.788193

ELEM 274 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	132.887913	4.632645	4.19E-16	.000000	8.97E-15	101.787938
0.25000	132.887913	4.632645	4.19E-16	.000000	1.15E-14	129.498451
0.50000	132.887913	4.632645	4.19E-16	.000000	1.40E-14	157.239098
0.75000	132.887913	4.632645	4.19E-16	.000000	1.65E-14	184.996323
1.00000	132.887913	4.632645	4.19E-16	.000000	1.90E-14	212.763639

ELEM 275 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	149.316824	4.205663	3.80E-16	.000000	1.90E-14	212.763616
0.25000	149.316824	4.205663	3.80E-16	.000000	1.67E-14	187.830774
0.50000	149.316824	4.205663	3.80E-16	.000000	1.45E-14	162.990645
0.75000	149.316824	4.205663	3.80E-16	.000000	1.23E-14	138.293199
1.00000	149.316824	4.205663	3.80E-16	.000000	1.01E-14	113.831342

ELEM 276 ========== LENGTH = 12.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	165.280438	9.485963	8.58E-16	.000000	1.03E-14	113.831557
0.25000	165.280438	9.485963	8.58E-16	.000000	7.72E-15	85.373668
0.50000	165.280438	9.485963	8.58E-16	.000000	5.15E-15	56.915778
0.75000	165.280438	9.485963	8.58E-16	.000000	2.57E-15	28.457889
1.00000	165.280438	9.485963	8.58E-16	.000000	3.97E-29	4.94E-13

ELEM 277 ========== LENGTH = 9.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	390.408714	18.353028	1.68E-15	.000000	.000000	.000000
0.25000	390.408714	18.353028	1.68E-15	.000000	3.78E-15	41.294314
0.50000	390.408714	18.353028	1.68E-15	.000000	7.56E-15	82.588627

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0.75000  390.408714   18.353028    1.68E-15     .000000    1.13E-14  123.882941
1.00000  390.408714   18.353028    1.68E-15     .000000    1.51E-14  165.177255

ELEM     278 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  389.824843   11.310778    1.02E-15     .000000    1.45E-14  165.176748
0.25000  389.824843   11.310778    1.02E-15     .000000    2.05E-14  232.064682
0.50000  389.824843   11.310778    1.02E-15     .000000    2.66E-14  299.392555
0.75000  389.824843   11.310778    1.02E-15     .000000    3.27E-14  366.918267
1.00000  389.824843   11.310778    1.02E-15     .000000    3.89E-14  434.549598

ELEM     279 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  390.120350    6.794232    6.15E-16     .000000    3.88E-14  434.549519
0.25000  390.120350    6.794232    6.15E-16     .000000    3.53E-14  395.693209
0.50000  390.120350    6.794232    6.15E-16     .000000    3.18E-14  357.262623
0.75000  390.120350    6.794232    6.15E-16     .000000    2.84E-14  319.411463
1.00000  390.120350    6.794232    6.15E-16     .000000    2.50E-14  282.372835

ELEM     280 ================== LENGTH =   15.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  391.602261   18.824885    1.69E-15     .000000    2.54E-14  282.373281
0.25000  391.602261   18.824885    1.69E-15     .000000    1.90E-14  211.779961
0.50000  391.602261   18.824885    1.69E-15     .000000    1.27E-14  141.186641
0.75000  391.602261   18.824885    1.69E-15     .000000    6.35E-15   70.593320
1.00000  391.602261   18.824885    1.69E-15     .000000    1.57E-29    6.76E-13

ELEM     281 ================== LENGTH =    8.512400

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  336.291988   13.822488    1.27E-15     .000000     .000000     .000000
0.25000  336.291988   13.822488    1.27E-15     .000000    2.70E-15   29.415636
0.50000  336.291988   13.822488    1.27E-15     .000000    5.40E-15   58.831272
0.75000  336.291988   13.822488    1.27E-15     .000000    8.10E-15   88.246907
1.00000  336.291988   13.822488    1.27E-15     .000000    1.08E-14  117.662543

ELEM     284 ================== LENGTH =   14.462800

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  559.493527   19.362506    1.74E-15     .000000    2.52E-14  280.036053
0.25000  559.493527   19.362506    1.74E-15     .000000    1.89E-14  210.027040
0.50000  559.493527   19.362506    1.74E-15     .000000    1.26E-14  140.018027
0.75000  559.493527   19.362506    1.74E-15     .000000    6.30E-15   70.009013
1.00000  559.493527   19.362506    1.74E-15     .000000    6.57E-29    4.54E-13

ELEM     285 ================== LENGTH =   12.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
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0.00000	662.863614	5.736755	5.19E-16	.000000	.000000	.000000
0.25000	662.863614	5.736755	5.19E-16	.000000	1.56E-15	17.210265
0.50000	662.863614	5.736755	5.19E-16	.000000	3.11E-15	34.420529
0.75000	662.863614	5.736755	5.19E-16	.000000	4.67E-15	51.630794
1.00000	662.863614	5.736755	5.19E-16	.000000	6.23E-15	68.841059

ELEM 286 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	673.851351	1.272153	1.15E-16	.000000	6.11E-15	68.841036
0.25000	673.851351	1.272153	1.15E-16	.000000	6.65E-15	74.841397
0.50000	673.851351	1.272153	1.15E-16	.000000	7.22E-15	81.116606
0.75000	673.851351	1.272153	1.15E-16	.000000	7.80E-15	87.607625
1.00000	673.851351	1.272153	1.15E-16	.000000	8.41E-15	94.269883

ELEM 287 ========== LENGTH = 36.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	680.443382	2.618610	2.33E-16	.000000	8.40E-15	94.269970
0.25000	680.443382	2.618610	2.33E-16	.000000	6.30E-15	70.702478
0.50000	680.443382	2.618610	2.33E-16	.000000	4.20E-15	47.134985
0.75000	680.443382	2.618610	2.33E-16	.000000	2.10E-15	23.567493
1.00000	680.443382	2.618610	2.33E-16	.000000	1.39E-30	1.20E-14

ELEM 288 ========== LENGTH = 9.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	286.088434	16.303154	1.49E-15	.000000	.000000	.000000
0.25000	286.088434	16.303154	1.49E-15	.000000	3.36E-15	36.682097
0.50000	286.088434	16.303154	1.49E-15	.000000	6.72E-15	73.364194
0.75000	286.088434	16.303154	1.49E-15	.000000	1.01E-14	110.046292
1.00000	286.088434	16.303154	1.49E-15	.000000	1.34E-14	146.728389

ELEM 289 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	271.400872	9.992819	9.04E-16	.000000	1.29E-14	146.728087
0.25000	271.400872	9.992819	9.04E-16	.000000	1.78E-14	200.588897
0.50000	271.400872	9.992819	9.04E-16	.000000	2.29E-14	257.162093
0.75000	271.400872	9.992819	9.04E-16	.000000	2.81E-14	314.989589
1.00000	271.400872	9.992819	9.04E-16	.000000	3.34E-14	373.489228

ELEM 290 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	255.687111	7.188608	6.50E-16	.000000	3.34E-14	373.489254
0.25000	255.687111	7.188608	6.50E-16	.000000	2.95E-14	330.667170
0.50000	255.687111	7.188608	6.50E-16	.000000	2.56E-14	287.937511
0.75000	255.687111	7.188608	6.50E-16	.000000	2.18E-14	245.348570
1.00000	255.687111	7.188608	6.50E-16	.000000	1.79E-14	202.988938

ELEM 291 ========== LENGTH = 15.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	247.213367	13.532627	1.22E-15	.000000	1.83E-14	202.989404
0.25000	247.213367	13.532627	1.22E-15	.000000	1.37E-14	152.242053
0.50000	247.213367	13.532627	1.22E-15	.000000	9.13E-15	101.494702
0.75000	247.213367	13.532627	1.22E-15	.000000	4.56E-15	50.747351
1.00000	247.213367	13.532627	1.22E-15	.000000	1.78E-29	9.66E-14

ELEM 292 ========== LENGTH = 8.512400

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	255.084082	27.999444	2.57E-15	.000000	.000000	.000000
0.25000	255.084082	27.999444	2.57E-15	.000000	5.47E-15	59.585617
0.50000	255.084082	27.999444	2.57E-15	.000000	1.09E-14	119.171234
0.75000	255.084082	27.999444	2.57E-15	.000000	1.64E-14	178.756851
1.00000	255.084082	27.999444	2.57E-15	.000000	2.19E-14	238.342468

ELEM 293 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	230.392672	15.810199	1.43E-15	.000000	2.09E-14	238.341891
0.25000	230.392672	15.810199	1.43E-15	.000000	2.90E-14	327.829276
0.50000	230.392672	15.810199	1.43E-15	.000000	3.73E-14	419.683813
0.75000	230.392672	15.810199	1.43E-15	.000000	4.58E-14	512.634631
1.00000	230.392672	15.810199	1.43E-15	.000000	5.42E-14	606.177629

ELEM 294 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	205.182488	9.574323	8.66E-16	.000000	5.41E-14	606.177635
0.25000	205.182488	9.574323	8.66E-16	.000000	4.94E-14	553.795720
0.50000	205.182488	9.574323	8.66E-16	.000000	4.47E-14	502.521787
0.75000	205.182488	9.574323	8.66E-16	.000000	4.02E-14	452.732442
1.00000	205.182488	9.574323	8.66E-16	.000000	3.59E-14	404.975622

ELEM 295 ========== LENGTH = 15.487600

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	176.090849	26.148428	2.35E-15	.000000	3.64E-14	404.976386
0.25000	176.090849	26.148428	2.35E-15	.000000	2.73E-14	303.732289
0.50000	176.090849	26.148428	2.35E-15	.000000	1.82E-14	202.488193
0.75000	176.090849	26.148428	2.35E-15	.000000	9.10E-15	101.244096
1.00000	176.090849	26.148428	2.35E-15	.000000	2.65E-29	5.47E-13

ELEM 296 ========== LENGTH = 9.537200

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	504.118950	39.756377	3.63E-15	.000000	.000000	.000000
0.25000	504.118950	39.756377	3.63E-15	.000000	8.65E-15	94.791130
0.50000	504.118950	39.756377	3.63E-15	.000000	1.73E-14	189.582260
0.75000	504.118950	39.756377	3.63E-15	.000000	2.60E-14	284.373390
1.00000	504.118950	39.756377	3.63E-15	.000000	3.46E-14	379.164520

ELEM 297 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	462.411833	22.748157	2.06E-15	.000000	3.33E-14	379.163621
0.25000	462.411833	22.748157	2.06E-15	.000000	4.53E-14	511.648609
0.50000	462.411833	22.748157	2.06E-15	.000000	5.75E-14	645.803383
0.75000	462.411833	22.748157	2.06E-15	.000000	6.97E-14	780.767687
1.00000	462.411833	22.748157	2.06E-15	.000000	8.19E-14	916.183832

ELEM 298 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	412.811518	16.473812	1.49E-15	.000000	8.18E-14	916.183884
0.25000	412.811518	16.473812	1.49E-15	.000000	7.31E-14	819.784762
0.50000	412.811518	16.473812	1.49E-15	.000000	6.44E-14	724.044908
0.75000	412.811518	16.473812	1.49E-15	.000000	5.58E-14	629.265307
1.00000	412.811518	16.473812	1.49E-15	.000000	4.74E-14	535.955643

ELEM 299 ========== LENGTH = 14.462800

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	362.931919	37.057610	3.34E-15	.000000	4.82E-14	535.956804
0.25000	362.931919	37.057610	3.34E-15	.000000	3.62E-14	401.967603
0.50000	362.931919	37.057610	3.34E-15	.000000	2.41E-14	267.978402
0.75000	362.931919	37.057610	3.34E-15	.000000	1.21E-14	133.989201
1.00000	362.931919	37.057610	3.34E-15	.000000	6.16E-29	1.61E-13

ELEM 300 ========== LENGTH = 17.539000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	107.523169	10.292382	3.90E-16	.000000	.000000	.000000
0.25000	107.523169	10.292382	3.90E-16	.000000	1.71E-15	45.129522
0.50000	107.523169	10.292382	3.90E-16	.000000	3.42E-15	90.259044
0.75000	107.523169	10.292382	3.90E-16	.000000	5.14E-15	135.388566
1.00000	107.523169	10.292382	3.90E-16	.000000	6.85E-15	180.518088

ELEM 301 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	136.810262	2.536723	1.01E-16	.000000	6.43E-15	180.518362
0.25000	136.810262	2.536723	1.01E-16	.000000	6.82E-15	190.526144
0.50000	136.810262	2.536723	1.01E-16	.000000	7.25E-15	201.188623
0.75000	136.810262	2.536723	1.01E-16	.000000	7.70E-15	212.407226
1.00000	136.810262	2.536723	1.01E-16	.000000	8.17E-15	224.098450

ELEM 302 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	166.714545	6.056976	2.42E-16	.000000	8.36E-15	224.098669
0.25000	166.714545	6.056976	2.42E-16	.000000	6.93E-15	188.460215

```
0.50000  166.714545    6.056976    2.42E-16     .000000    5.52E-15  153.152710
0.75000  166.714545    6.056976    2.42E-16     .000000    4.13E-15  118.472416
1.00000  166.714545    6.056976    2.42E-16     .000000    2.82E-15   85.188819

ELEM     303 ================== LENGTH =    6.461000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  201.160756   13.185093    6.37E-16     .000000    4.11E-15   85.188889
0.25000  201.160756   13.185093    6.37E-16     .000000    3.08E-15   63.891666
0.50000  201.160756   13.185093    6.37E-16     .000000    2.06E-15   42.594444
0.75000  201.160756   13.185093    6.37E-16     .000000    1.03E-15   21.297222
1.00000  201.160756   13.185093    6.37E-16     .000000    3.00E-28    7.95E-12

ELEM     304 ================== LENGTH =    8.512400

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   36.035834    1.124399    1.03E-16     .000000     .000000     .000000
0.25000   36.035834    1.124399    1.03E-16     .000000    2.20E-16    2.392834
0.50000   36.035834    1.124399    1.03E-16     .000000    4.39E-16    4.785668
0.75000   36.035834    1.124399    1.03E-16     .000000    6.59E-16    7.178502
1.00000   36.035834    1.124399    1.03E-16     .000000    8.79E-16    9.571336

ELEM     305 ================== LENGTH =    4.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   18.697565    2.392759    2.36E-16     .000000    9.45E-16    9.571035
0.25000   18.697565    2.392759    2.36E-16     .000000    7.09E-16    7.178276
0.50000   18.697565    2.392759    2.36E-16     .000000    4.73E-16    4.785518
0.75000   18.697565    2.392759    2.36E-16     .000000    2.36E-16    2.392759
1.00000   18.697565    2.392759    2.36E-16     .000000     .000000     .000000

ELEM     306 ================== LENGTH =    9.537200

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000  126.384428   11.012022    1.01E-15     .000000     .000000     .000000
0.25000  126.384428   11.012022    1.01E-15     .000000    2.40E-15   26.255965
0.50000  126.384428   11.012022    1.01E-15     .000000    4.79E-15   52.511930
0.75000  126.384428   11.012022    1.01E-15     .000000    7.19E-15   78.767896
1.00000  126.384428   11.012022    1.01E-15     .000000    9.59E-15  105.023861

ELEM     307 ================== LENGTH =   24.000000

SPEC   HORIZ ------------------

REL DIST          P          V2          V3           T          M2          M3
0.00000   68.766746    3.067003    2.77E-16     .000000    9.39E-15  105.023749
0.25000   68.766746    3.067003    2.77E-16     .000000    7.95E-15   89.040555
0.50000   68.766746    3.067003    2.77E-16     .000000    6.60E-15   74.187072
0.75000   68.766746    3.067003    2.77E-16     .000000    5.44E-15   61.290221
1.00000   68.766746    3.067003    2.77E-16     .000000    4.59E-15   51.831739

ELEM     308 ================== LENGTH =    4.000000

SPEC   HORIZ ------------------
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REL DIST	P	V2	V3	T	M2	M3
0.00000	35.078998	12.957863	1.28E-15	.000000	5.12E-15	51.831450
0.25000	35.078998	12.957863	1.28E-15	.000000	3.84E-15	38.873588
0.50000	35.078998	12.957863	1.28E-15	.000000	2.56E-15	25.915725
0.75000	35.078998	12.957863	1.28E-15	.000000	1.28E-15	12.957863
1.00000	35.078998	12.957863	1.28E-15	.000000	4.35E-33	1.30E-16

ELEM 309 ========== LENGTH = 17.539000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	355.994384	11.043837	4.19E-16	.000000	.000000	.000000
0.25000	355.994384	11.043837	4.19E-16	.000000	1.84E-15	48.424466
0.50000	355.994384	11.043837	4.19E-16	.000000	3.67E-15	96.848931
0.75000	355.994384	11.043837	4.19E-16	.000000	5.51E-15	145.273397
1.00000	355.994384	11.043837	4.19E-16	.000000	7.35E-15	193.697862

ELEM 310 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	320.667465	4.684232	1.87E-16	.000000	6.80E-15	193.697125
0.25000	320.667465	4.684232	1.87E-16	.000000	7.72E-15	216.981205
0.50000	320.667465	4.684232	1.87E-16	.000000	8.69E-15	241.294295
0.75000	320.667465	4.684232	1.87E-16	.000000	9.70E-15	266.354757
1.00000	320.667465	4.684232	1.87E-16	.000000	1.07E-14	291.970209

ELEM 311 ========== LENGTH = 24.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	280.122790	8.066599	3.23E-16	.000000	1.09E-14	291.969513
0.25000	280.122790	8.066599	3.23E-16	.000000	8.98E-15	243.857117
0.50000	280.122790	8.066599	3.23E-16	.000000	7.06E-15	195.886274
0.75000	280.122790	8.066599	3.23E-16	.000000	5.15E-15	148.194511
1.00000	280.122790	8.066599	3.23E-16	.000000	3.28E-15	101.177249

ELEM 312 ========== LENGTH = 6.000000

SPEC HORIZ ----------

REL DIST	P	V2	V3	T	M2	M3
0.00000	256.408691	16.862763	8.42E-16	.000000	5.05E-15	101.176576
0.25000	256.408691	16.862763	8.42E-16	.000000	3.79E-15	75.882432
0.50000	256.408691	16.862763	8.42E-16	.000000	2.53E-15	50.588288
0.75000	256.408691	16.862763	8.42E-16	.000000	1.26E-15	25.294144
1.00000	256.408691	16.862763	8.42E-16	.000000	2.28E-27	4.12E-11

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Bent A	FRAME	SECTION	LENGTH	LOCATION	Stress Length (in)	Allowable Dead Load Axial (lbs)	Allowable Dead Load Bending (lb*in)	Allowable Seismic Load Axial (lbs)	Allowable Seismic Load Bending (lb*in)	Allowable Dead Plus Snow Load Axial (lbs)	Allowable Dead Plus Snow Load Bending (lb*in)	
	1	4X4	18.25	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	
	2	4X4	56.75	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	
	3	4X4	24	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	4	4X4	72	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	5	4X4	24	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	6	4X4	72	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	7	4X4	24	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	8	4X4	72	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	9	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	10	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	11	4X4	9.437	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
	12	4X4	68.563	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
	13	4X4	21	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
Brace	14	4X4	103.966	bot third (ke=1.0)	84	N/A	N/A	10057	12541	N/A	N/A	Mem. A.1 =6'-11 1/8", use 84
Brace	20	4X4	106.151	top third (ke=1.0)	94	N/A	N/A	8058	11233	N/A	N/A	Mem. A.6 =7'-6 3/4", use 94
	22	4X4	60.5	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	
	23	4X4	62	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	
	24	4X4	39.75	bot third (ke=0.8)	96	8121	7054	9604	12541	8874	9014	
	25	4X4	56.75	bot third (ke=0.8)	96	8121	7054	9604	12541	8874	9014	
	26	4X4	24	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	27	4X4	72	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	28	4X4	24	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	29	4X4	72	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	30	4X4	24	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	31	4X4	72	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	32	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	33	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	34	4X4	9.437	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
	35	4X4	89.563	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
Brace	39	4X4	120	mid third (ke=1.0)	105	N/A	N/A	6764	11910	N/A	N/A	Mem. A.2 =8'-8 3/4", use 105
Brace	43	4X4	86.533	top third (ke=1.0)	72	N/A	N/A	12015	11233	N/A	N/A	Mem. A.5 =5'-11-1/2", use 72
	46	4X4	60.5	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	
	47	4X4	62	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	
	48	4X4	39.75	bot third (ke=0.8)	96	8121	7054	9604	12541	8874	9014	
	49	4X4	56.75	bot third (ke=0.8)	96	8121	7054	9604	12541	8874	9014	
	50	4X4	24	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	51	4X4	72	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	52	4X4	24	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	53	4X4	72	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	54	4X4	24	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	55	4X4	72	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	56	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	57	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	58	4X4	9.437	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
	59	4X4	89.563	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
Brace	64	4X4	120	mid third (ke=1.0)	105	N/A	N/A	6764	11910	N/A	N/A	Mem. A.3 =8'-8 3/4", use 105
Brace	66	4X4	120	top third (ke=1.0)	105	N/A	N/A	6662	11233	N/A	N/A	Mem. A.4 =8'-8 3/4", use 105
	70	4X4	60.5	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	
	71	4X4	62	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	
	72	4X4	39.75	bot third (ke=0.8)	96	8121	7054	9604	12541	8874	9014	
	73	4X4	56.75	bot third (ke=0.8)	96	8121	7054	9604	12541	8874	9014	
	74	4X4	24	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	75	4X4	72	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	76	4X4	24	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	77	4X4	72	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	78	4X4	24	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	79	4X4	72	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	80	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	81	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	82	4X4	9.437	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
	83	4X4	89.563	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
Brace	88	4X4	120	mid third (ke=1.0)	105	N/A	N/A	6764	11910	N/A	N/A	Mem. A.3 =8'-8 3/4", use 105
Brace	90	4X4	120	top third (ke=1.0)	105	N/A	N/A	6662	11233	N/A	N/A	Mem. A.3 =8'-8 3/4", use 105
	94	4X4	60.5	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	
	95	4X4	62	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	
	96	4X4	39.75	bot third (ke=0.8)	96	8121	7054	9604	12541	8874	9014	
	97	4X4	56.75	bot third (ke=0.8)	96	8121	7054	9604	12541	8874	9014	
	98	4X4	24	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	99	4X4	72	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	100	4X4	24	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	101	4X4	72	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Bent A	FRAME	SECTION	LENGTH	LOCATION	Stress Length (in)	Allowable Dead Load Axial	Allowable Dead Load Bending	Allowable Seismic Load Axial	Allowable Seismic Load Bending	Allowable Dead Plus Snow Load Axial	Allowable Dead Plus Snow Load Bending	
	102	4X4	24	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	103	4X4	72	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	104	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	105	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	106	4X4	9.437	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
	107	4X4	89.563	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
Brace	111	4X4	120	mid third (ke=1.0)	105	N/A	N/A	6764	11910	N/A	N/A	Mem. A.2 =8'-8 3/4", use 105
Brace	115	4X4	86.533	top third (ke=1.0)	72	N/A	N/A	12015	11233	N/A	N/A	Mem. A.5 =5'-11-1/2", use 72
	118	4X4	60.5	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	
	119	4X4	62	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	
	120	4X4	39.75	bot third (ke=0.8)	96	8121	7054	9604	12541	8874	9014	
	121	4X4	56.75	bot third (ke=0.8)	96	8121	7054	9604	12541	8874	9014	
	122	4X4	24	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	123	4X4	72	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	124	4X4	24	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	125	4X4	72	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	126	4X4	24	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	127	4X4	72	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	128	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	129	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	130	4X4	9.437	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
	131	4X4	89.563	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
Brace	134	4X6	120.4	top third (ke=1.0)	105	N/A	N/A	8430	27745	N/A	N/A	Mem. A.9 =8'-8 3/4", use 105
Brace	140	4X4	106.151	top third (ke=1.0)	94	N/A	N/A	8058	11233	N/A	N/A	Mem. A.6 =7'-6 3/4", use 94
	142	4X4	60.5	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	
	143	4X4	62	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	
	144	4X4	39.75	bot third (ke=0.8)	96	8121	7054	9604	12541	8874	9014	
	145	4X4	56.75	bot third (ke=0.8)	96	8121	7054	9604	12541	8874	9014	
	146	4X4	24	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	147	4X4	72	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	148	4X4	24	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	149	4X4	72	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	150	4X4	24	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	151	4X4	72	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	152	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	153	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	154	4X4	9.437	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
	155	4X4	68.563	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
	156	4X4	21	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
Brace	157	4X4	94.044	bot third (ke=1.0)	84	N/A	N/A	10057	12541	N/A	N/A	Mem. A.7 =6'-3-5/8", use 84
Brace	159	4X4	95.016	bot third (ke=1.0)	84	N/A	N/A	10057	12541	N/A	N/A	Mem. A.8 =6'-7-5/8", use 84
Brace	166	4X4	106.151	top third (ke=1.0)	94	N/A	N/A	8058	11233	N/A	N/A	Mem. A.6 =7'-6 3/4", use 94
	168	4X4	60.5	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	
	169	4X4	62	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	
	170	4X4	39.75	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	see Note 2, sht S5, Bent A 4x4 members.
	171	4X4	56.75	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	see Note 2, sht S5, Bent A 4x4 members.
	172	4X4	24	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	173	4X4	72	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	174	4X4	24	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	175	4X4	72	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	176	4X4	24	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	177	4X4	72	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	178	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	179	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	180	4X4	9.437	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
	181	4X4	89.563	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
Brace	182	4X4	94.044	bot third (ke=1.0)	84	N/A	N/A	10057	12541	N/A	N/A	Mem. A.7 =6'-3-5/8", use 84
Brace	184	4X4	95.016	bot third (ke=1.0)	84	N/A	N/A	10057	12541	N/A	N/A	Mem. A.8 =6'-7-5/8", use 84
Brace	190	4X4	86.533	top third (ke=1.0)	72	N/A	N/A	12015	11233	N/A	N/A	Mem. A.5 =5'-11-1/2", use 72
	193	4X4	60.5	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	
	194	4X4	62	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	
	195	4X4	39.75	bot third (ke=0.8)	96	8121	7054	9604	12541	8874	9014	
	196	4X4	56.75	bot third (ke=0.8)	96	8121	7054	9604	12541	8874	9014	
	197	4X4	24	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	198	4X4	72	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	199	4X4	24	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	200	4X4	72	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	201	4X4	24	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	202	4X4	72	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	203	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	204	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	205	4X4	9.437	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Bent A	FRAME	SECTION	LENGTH	LOCATION	Stress Length (in)	Allowable Dead Load Axial	Allowable Dead Load Bending	Allowable Seismic Load Axial	Allowable Seismic Load Bending	Allowable Dead Plus Snow Load Axial	Allowable Dead Plus Snow Load Bending	
	206	4X4	89.563	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
Brace	209	4X6	120.4	bot third (ke=1.0)	105	N/A	N/A	8678	30975	N/A	N/A	Mem. A.9 =8'-8 3/4", use 105
Brace	213	4X4	120	top third (ke=1.0)	105	N/A	N/A	6662	11233	N/A	N/A	Mem. A.3 =8'-8 3/4", use 105
	217	4X4	60.5	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	
	218	4X4	62	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	
	219	4X4	39.75	bot third (ke=0.8)	96	8121	7054	9604	12541	8874	9014	
	220	4X4	56.75	bot third (ke=0.8)	96	8121	7054	9604	12541	8874	9014	
	221	4X4	24	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	222	4X4	72	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	223	4X4	24	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	224	4X4	72	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	225	4X4	24	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	226	4X4	72	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	227	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	228	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	229	4X4	9.437	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
	230	4X4	89.563	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
Brace	234	4X4	120	mid third (ke=1.0)	105	N/A	N/A	6764	11910	N/A	N/A	Mem. A.2 =8'-8 3/4", use 105
Brace	236	4X4	120	mid third (ke=1.0)	105	N/A	N/A	6764	11910	N/A	N/A	Mem. A.3 =8'-8 3/4", use 105
	241	4X4	60.5	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	
	242	4X4	62	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	
	243	4X4	39.75	bot third (ke=0.8)	96	8121	7054	9604	12541	8874	9014	
	244	4X4	56.75	bot third (ke=0.8)	96	8121	7054	9604	12541	8874	9014	
	245	4X4	24	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	246	4X4	72	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	247	4X4	24	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	248	4X4	72	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	249	4X4	24	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	250	4X4	72	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	251	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	252	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	253	4X4	9.437	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
	254	4X4	89.563	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
Brace	258	4X4	120	mid third (ke=1.0)	105	N/A	N/A	6764	11910	N/A	N/A	Mem. A.2 =8'-8 3/4", use 105
Brace	260	4X4	120	mid third (ke=1.0)	105	N/A	N/A	6764	11910	N/A	N/A	Mem. A.3 =8'-8 3/4", use 105
	265	4X4	60.5	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	
	266	4X4	62	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	
	267	4X4	39.75	bot third (ke=0.8)	96	8121	7054	9604	12541	8874	9014	
	268	4X4	56.75	bot third (ke=0.8)	96	8121	7054	9604	12541	8874	9014	
	269	4X4	24	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	270	4X4	72	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	271	4X4	24	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	272	4X4	72	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	273	4X4	24	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	274	4X4	72	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	275	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	276	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	277	4X4	9.437	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
	278	4X4	89.563	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
Brace	281	4X6	120.4	bot third (ke=1.0)	105	N/A	N/A	8678	30975	N/A	N/A	Mem. A.9 =8'-8 3/4", use 105
Brace	285	4X4	120	top third (ke=1.0)	105	N/A	N/A	6662	11233	N/A	N/A	Mem. A.3 =8'-8 3/4", use 105
	289	4X4	60.5	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	
	290	4X4	62	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	
	291	4X4	39.75	bot third (ke=0.8)	96	8121	7054	9604	12541	8874	9014	
	292	4X4	56.75	bot third (ke=0.8)	96	8121	7054	9604	12541	8874	9014	
	293	4X4	24	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	294	4X4	72	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	295	4X4	24	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	296	4X4	72	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	297	4X4	24	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	298	4X4	72	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	299	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	300	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	301	4X4	9.437	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
	302	4X4	89.563	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
Brace	304	4X4	95.016	bot third (ke=1.0)	84	N/A	N/A	10057	12541	N/A	N/A	Mem. A.8 =6'-7-5/8", use 84
Brace	310	4X4	86.533	top third (ke=1.0)	72	N/A	N/A	12015	11233	N/A	N/A	Mem. A.5 =5'-11-1/2", use 72
	313	4X4	60.5	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	
	314	4X4	62	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	
	315	4X4	39.75	bot third (ke=0.8)	96	8121	7054	9604	12541	8874	9014	
	316	4X4	56.75	bot third (ke=0.8)	96	8121	7054	9604	12541	8874	9014	
	317	4X4	24	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Bent A	FRAME	SECTION	LENGTH	LOCATION	Stress Length (in)	Allowable Dead Load Axial	Allowable Dead Load Bending	Allowable Seismic Load Axial	Allowable Seismic Load Bending	Allowable Dead Plus Snow Load Axial	Allowable Dead Plus Snow Load Bending	
	318	4X4	72	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	319	4X4	24	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	320	4X4	72	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	321	4X4	24	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	322	4X4	72	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	323	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	324	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	325	4X4	9.437	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
	326	4X4	89.563	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
Brace	327	4X4	94.044	bot third (ke=1.0)	84	N/A	N/A	10057	12541	N/A	N/A	Mem. A.7 =6'-3-5/8", use 84
Brace	335	4X4	106.151	top third (ke=1.0)	94	N/A	N/A	8058	11233	N/A	N/A	Mem. A.6 =7'-6 3/4", use 94
	337	4X4	60.5	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	
	338	4X4	62	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	
	339	4X4	39.75	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	see Note 2, sht S5, Bent A 4x4 members.
	340	4X4	56.75	bot third (ke=0.8)	72	10342	7054	14438	12541	12177	9014	see Note 2, sht S5, Bent A 4x4 members.
	341	4X4	24	mid third (ke=0.8)	94	8071	6699	9742	11910	8910	8560	2x framing above and below, use 94"
	342	4X4	72	mid third (ke=0.8)	94	8071	6699	9742	11910	8910	8560	2x framing above and below, use 94"
	343	4X4	24	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	344	4X4	72	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	345	4X4	24	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	346	4X4	72	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	347	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	348	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	349	4X4	9.437	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
	350	4X4	68.563	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"
	351	4X4	21	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	2x framing above and below, use 94"

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Bent B	FRAME	SECTION	LENGTH	LOCATION	stress lengths (in)	Allowable Dead Load Axial (lbs)	Allowable Dead Load Bending (lb*in)	Allowable Seismic Load Axial (lbs)	Allowable Seismic Load Bending (lb*in)	Allowable Dead Plus Snow Load Axial (lbs)	Allowable Dead Plus Snow Load Bending (lb*in)	
	1	4X4	18.25	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	2	4X4	8.5	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	3	4X4	48.25	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	4	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	5	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	6	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	7	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	8	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	9	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	10	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	11	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	12	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	14	4X4	9.437	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	15	4X4	5.563	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	16	4X4	63	top third (ke=0.8)	84	8621	6319	11256	11233	9873	8074	column length = 7'
	17	4X4	21	top third (ke=0.8)	84	8621	6319	11256	11233	9873	8074	column length = 7'
Brace	20	4X4	103.966	bot third (ke=1.0)	66	N/A	N/A	14138	12541	N/A	N/A	Member B.1 = 66"
Brace	28	4X4	86.533	top third (ke=1.0)	72	N/A	N/A	12015	11233	N/A	N/A	Mem. B.5 =5'-11-1/2", use 72
Brace	31	4X4	95.671	top third (ke=1.0)	86	N/A	N/A	9311	11233	N/A	N/A	Mem. B.6 =7'-2-5/8", use 86
	33	4X4	60.5	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	column length = 5'
	34	4X4	62	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	column length = 5'
	35	4X4	39.75	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	36	4X4	8.5	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	37	4X4	48.25	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	38	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	39	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	40	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	41	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	42	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	43	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	44	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	45	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	46	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	48	4X4	9.437	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	49	4X4	5.563	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	50	4X4	84	top third (ke=0.8)	84	8621	6319	11256	11233	9873	8074	
Brace	57	4X4	120	mid third (ke=1.0)	60	N/A	N/A	15177	11910	N/A	N/A	Member B.2 =57", use 60
Brace	65	4X4	120	top third (ke=1.0)	105	N/A	N/A	6662	11233	N/A	N/A	Member B.4 =8'-8 3/4", use 105
Brace	67	4X4	86.533	top third (ke=1.0)	72	N/A	N/A	12015	11233	N/A	N/A	Mem. B.5 =5'-11-1/2", use 72
	71	4X4	60.5	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	column length = 5'
	72	4X4	62	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	column length = 5'
	73	4X4	39.75	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	74	4X4	8.5	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	75	4X4	48.25	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	76	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	77	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	78	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	79	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	80	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	81	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	82	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	83	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	84	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	86	4X4	9.437	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	87	4X4	5.563	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	88	4X4	84	top third (ke=0.8)	84	8621	6319	11256	11233	9873	8074	
Brace	89	4X4	60	mid third (ke=1.0)	72	N/A	N/A	12340	11910	N/A	N/A	
Brace	92	4X4	60	mid third (ke=1.0)	72	N/A	N/A	12340	11910	N/A	N/A	
Brace	101	4X4	120	top third (ke=1.0)	105	N/A	N/A	6662	11233	N/A	N/A	Member B.4 =8'-8 3/4", use 105
Brace	106	4X4	60	mid third (ke=1.0)	72	N/A	N/A	12340	11910	N/A	N/A	
Brace	109	4X4	60	mid third (ke=1.0)	72	N/A	N/A	12340	11910	N/A	N/A	
	110	4X4	60.5	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	column length = 5'
	111	4X4	62	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	column length = 5'
	112	4X4	39.75	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	113	4X4	8.5	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	114	4X4	48.25	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	115	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	116	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	117	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	118	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	

Bent B	FRAME	SECTION	LENGTH	LOCATION	stress lengths (in)	Allowable Dead Load Axial (lbs)	Allowable Dead Load Bending (lb*in)	Allowable Seismic Load Axial (lbs)	Allowable Seismic Load Bending (lb*in)	Allowable Dead Plus Snow Load Axial (lbs)	Allowable Dead Plus Snow Load Bending (lb*in)	
	119	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	120	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	121	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	122	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	123	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	125	4X4	9.437	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	126	4X4	5.563	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	127	4X4	84	top third (ke=0.8)	84	8621	6319	11256	11233	9873	8074	
Brace	133	4X4	120	mid third (ke=1.0)	105	N/A	N/A	6764	11910	N/A	N/A	Member B.2 =8'-8 3/4", use 105
Brace	136	4X4	120	mid third (ke=1.0)	102	N/A	N/A	7120	11910	N/A	N/A	Member B.3 =8'-8 3/4", use 102 with 2x8 bracing
Brace	139	4X4	120	top third (ke=1.0)	105	N/A	N/A	6662	11233	N/A	N/A	Member B.4 =8'-8 3/4", use 105
	144	4X4	60.5	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	column length = 5'
	145	4X4	62	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	column length = 5'
	146	4X4	39.75	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	147	4X4	8.5	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	148	4X4	48.25	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	149	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	150	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	151	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	152	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	153	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	154	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	155	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	156	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	157	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	159	4X4	9.437	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	160	4X4	5.563	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	161	4X4	84	top third (ke=0.8)	84	8621	6319	11256	11233	9873	8074	
Brace	165	4X4	120.4	bot third (ke=1.0)	105	N/A	N/A	6873	12541	N/A	N/A	Member B.9 =8'-8 3/4", use 105
Brace	168	4X4	120	mid third (ke=1.0)	60	N/A	N/A	15177	11910	N/A	N/A	Member B.2 =57", use 60
Brace	175	4X4	86.533	top third (ke=1.0)	72	N/A	N/A	12015	11233	N/A	N/A	Mem. B.5 =5'-11-1/2", use 72
	179	4X4	60.5	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	column length = 5'
	180	4X4	62	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	column length = 5'
	181	4X4	39.75	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	182	4X4	8.5	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	183	4X4	48.25	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	184	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	185	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	186	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	187	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	188	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	189	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	190	4X4	24	top third (ke=0.8)	44	10759	6319	18158	11233	13512	8074	
	191	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	192	4X4	48	top third (ke=0.8)	44	10759	6319	18158	11233	13512	8074	
	194	4X4	9.437	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	195	4X4	5.563	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	196	4X4	84	top third (ke=0.8)	84	8621	6319	11256	11233	9873	8074	
Brace	198	4X4	95.016	bot third (ke=1.0)	84	N/A	N/A	10057	12541	N/A	N/A	Member B.8 =6'-7-5/8", use 84
Brace	201	4X4	120.4	bot third (ke=1.0)	105	N/A	N/A	6873	12541	N/A	N/A	Member B.9 =8'-8 3/4", use 105
Brace	214	4X4	95.671	top third (ke=1.0)	86	N/A	N/A	9311	11233	N/A	N/A	Member B.6 =7'-2-5/8", use 86
	216	4X4	60.5	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	column length = 5'
	217	4X4	62	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	column length = 5'
	218	4X4	39.75	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	219	4X4	8.5	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	220	4X4	48.25	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	221	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	222	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	223	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	224	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	225	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	226	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	227	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	228	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	229	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	231	4X4	9.437	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	232	4X4	5.563	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	233	4X4	63	top third (ke=0.8)	84	8621	6319	11256	11233	9873	8074	column length = 7'
	234	4X4	21	top third (ke=0.8)	84	8621	6319	11256	11233	9873	8074	column length = 7'

Bent B	FRAME	SECTION	LENGTH	LOCATION	stress lengths (in)	Allowable Dead Load Axial (lbs)	Allowable Dead Load Bending (lb*in)	Allowable Seismic Load Axial (lbs)	Allowable Seismic Load Bending (lb*in)	Allowable Dead Plus Snow Load Axial (lbs)	Allowable Dead Plus Snow Load Bending (lb*in)	
Brace	235	4X4	47.022	bot third (ke=1.0)	60	N/A	N/A	15679	12541	N/A	N/A	column length = 5'
Brace	236	4X4	47.022	bot third (ke=1.0)	60	N/A	N/A	15679	12541	N/A	N/A	column length = 5'
Brace	238	4X4	95.016	bot third (ke=1.0)	84	N/A	N/A	10057	12541	N/A	N/A	Member B.8 =6'-7-5/8", use 84
Brace	250	4X4	95.671	top third (ke=1.0)	86	N/A	N/A	9311	11233	N/A	N/A	Member B.6 =7'-2-5/8", use 86
Brace	252	4X4	47.022	bot third (ke=1.0)	60	N/A	N/A	15679	12541	N/A	N/A	
Brace	253	4X4	47.022	bot third (ke=1.0)	60	N/A	N/A	15679	12541	N/A	N/A	
	254	4X4	60.5	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	column length = 5'
	255	4X4	62	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	column length = 5'
	256	4X4	39.75	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	257	4X4	8.5	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	258	4X4	48.25	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	259	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	260	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	261	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	262	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	263	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	264	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	265	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	266	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	267	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	269	4X4	9.437	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	270	4X4	5.563	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	271	4X4	84	top third (ke=0.8)	84	8621	6319	11256	11233	9873	8074	
Brace	272	4X4	47.022	bot third (ke=1.0)	60	N/A	N/A	15679	12541	N/A	N/A	
Brace	273	4X4	47.022	bot third (ke=1.0)	60	N/A	N/A	15679	12541	N/A	N/A	
Brace	275	4X4	95.016	bot third (ke=1.0)	84	N/A	N/A	10057	12541	N/A	N/A	Member B.8 =6'-7-5/8", use 84
Brace	285	4X4	86.533	top third (ke=1.0)	72	N/A	N/A	12015	11233	N/A	N/A	Mem. B.5 =5'-11-1/2", use 72
Brace	289	4X4	47.022	bot third (ke=1.0)	60	N/A	N/A	15679	12541	N/A	N/A	
Brace	290	4X4	47.022	bot third (ke=1.0)	60	N/A	N/A	15679	12541	N/A	N/A	
	291	4X4	60.5	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	column length = 5'
	292	4X4	62	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	column length = 5'
	293	4X4	39.75	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	294	4X4	8.5	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	295	4X4	48.25	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	296	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	297	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	298	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	299	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	300	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	301	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	302	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	303	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	304	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	306	4X4	9.437	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	307	4X4	5.563	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	308	4X4	84	top third (ke=0.8)	84	8621	6319	11256	11233	9873	8074	
Brace	310	4X4	95.016	bot third (ke=1.0)	84	N/A	N/A	10057	12541	N/A	N/A	Member B.8 =6'-7-5/8", use 84
Brace	313	4X4	120.4	bot third (ke=1.0)	105	N/A	N/A	6873	12541	N/A	N/A	Member B.9 =8'-8 3/4", use 105
Brace	323	4X4	120	top third (ke=1.0)	105	N/A	N/A	6662	11233	N/A	N/A	Member B.4 =8'-8 3/4", use 105
	328	4X4	60.5	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	column length = 5'
	329	4X4	62	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	column length = 5'
	330	4X4	39.75	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	331	4X4	8.5	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	332	4X4	48.25	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	333	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	334	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	335	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	336	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	337	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	338	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	339	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	340	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	341	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	343	4X4	9.437	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	344	4X4	5.563	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	345	4X4	84	top third (ke=0.8)	84	8621	6319	11256	11233	9873	8074	
Brace	349	4X4	120.4	bot third (ke=1.0)	105	N/A	N/A	6873	12541	N/A	N/A	Member B.9 =8'-8 3/4", use 105
Brace	352	4X4	120	mid third (ke=1.0)	105	N/A	N/A	6764	11910	N/A	N/A	Member B.2 =8'-8 3/4", use 105
Brace	355	4X4	120	mid third (ke=1.0)	102	N/A	N/A	7120	11910	N/A	N/A	Member B.3 =8'-8 3/4", use 102 with 2x8 bracing

Bent B	FRAME	SECTION	LENGTH	LOCATION	stress lengths (in)	Allowable Dead Load Axial (lbs)	Allowable Dead Load Bending (lb*in)	Allowable Seismic Load Axial (lbs)	Allowable Seismic Load Bending (lb*in)	Allowable Dead Plus Snow Load Axial (lbs)	Allowable Dead Plus Snow Load Bending (lb*in)	
	362	4X4	60.5	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	column length = 5'
	363	4X4	62	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	column length = 5'
	364	4X4	39.75	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	365	4X4	8.5	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	366	4X4	48.25	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	367	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	368	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	369	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	370	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	371	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	372	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	373	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	374	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	375	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	377	4X4	9.437	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	378	4X4	5.563	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	379	4X4	84	top third (ke=0.8)	84	8621	6319	11256	11233	9873	8074	
Brace	380	4X4	60	mid third (ke=1.0)	72	N/A	N/A	12340	11910	N/A	N/A	
Brace	382	4X4	60	mid third (ke=1.0)	72	N/A	N/A	12340	11910	N/A	N/A	
Brace	389	4X4	120	mid third (ke=1.0)	102	N/A	N/A	7120	11910	N/A	N/A	Member B.3 =8'-8 3/4", use 102 with 2x8 bracing
Brace	396	4X4	60	mid third (ke=1.0)	72	N/A	N/A	12340	11910	N/A	N/A	
Brace	398	4X4	60	mid third (ke=1.0)	72	N/A	N/A	12340	11910	N/A	N/A	
	399	4X4	60.5	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	column length = 5'
	400	4X4	62	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	column length = 5'
	401	4X4	39.75	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	402	4X4	8.5	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	403	4X4	48.25	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	404	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	405	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	406	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	407	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	408	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	409	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	410	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	411	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	412	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	414	4X4	9.437	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	415	4X4	5.563	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	416	4X4	84	top third (ke=0.8)	84	8621	6319	11256	11233	9873	8074	
Brace	420	4X4	120.4	bot third (ke=1.0)	105	N/A	N/A	6873	12541	N/A	N/A	Member B.9 =8'-8 3/4", use 105
Brace	425	4X4	120	mid third (ke=1.0)	102	N/A	N/A	7120	11910	N/A	N/A	Member B.3 =8'-8 3/4", use 102 with 2x8 bracing
Brace	428	4X4	120	top third (ke=1.0)	105	N/A	N/A	6662	11233	N/A	N/A	Member B.4 =8'-8 3/4", use 105
	433	4X4	60.5	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	column length = 5'
	434	4X4	62	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	column length = 5'
	435	4X4	39.75	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	436	4X4	8.5	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	437	4X4	48.25	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	438	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	439	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	440	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	441	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	442	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	443	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	444	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	445	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	446	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	448	4X4	9.437	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	449	4X4	5.563	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	450	4X4	84	top third (ke=0.8)	84	8621	6319	11256	11233	9873	8074	
Brace	452	4X4	95.016	bot third (ke=1.0)	84	N/A	N/A	10057	12541	N/A	N/A	Member B.8 =6'-7-5/8", use 84
Brace	464	4X4	120	top third (ke=1.0)	105	N/A	N/A	6662	11233	N/A	N/A	Member B.4 =8'-8 3/4", use 105
Brace	466	4X4	86.533	top third (ke=1.0)	72	N/A	N/A	12015	11233	N/A	N/A	Mem. B.5 =5'-11-1/2", use 72
	470	4X4	60.5	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	column length = 5'
	471	4X4	62	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	column length = 5'
	472	4X4	39.75	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	473	4X4	8.5	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	474	4X4	48.25	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Bent B	FRAME	SECTION	LENGTH	LOCATION	stress lengths (in)	Allowable Dead Load Axial (lbs)	Allowable Dead Load Bending (lb*in)	Allowable Seismic Load Axial (lbs)	Allowable Seismic Load Bending (lb*in)	Allowable Dead Plus Snow Load Axial (lbs)	Allowable Dead Plus Snow Load Bending (lb*in)	
	475	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	476	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	477	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	478	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	479	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	480	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	481	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	482	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	483	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	485	4X4	9.437	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	486	4X4	5.563	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	487	4X4	84	top third (ke=0.8)	84	8621	6319	11256	11233	9873	8074	
Brace	488	4X4	94.044	bot third (ke=1.0)	84	N/A	N/A	10057	12541	N/A	N/A	Member B.7 =6'-3-5/8", use 84
Brace	499	4X4	86.533	top third (ke=1.0)	72	N/A	N/A	12015	11233	N/A	N/A	Mem. B.5 =5'-11-1/2", use 72
Brace	502	4X4	95.671	top third (ke=1.0)	86	N/A	N/A	9311	11233	N/A	N/A	Member B.6 =7'-2-5/8", use 86
	504	4X4	60.5	bot third (ke=0.8)	57	11355	7054	17796	12541	13928	9014	use 57", 2x4 T&B of base anchorage
	505	4X4	62	bot third (ke=0.8)	57	11355	7054	17796	12541	13928	9014	use 57", 2x4 T&B of base anchorage
	506	4X4	39.75	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	507	4X4	8.5	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	508	4X4	48.25	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	509	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	510	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	511	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	512	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	513	4X4	24	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	514	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	515	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	516	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	517	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	519	4X4	9.437	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	520	4X4	5.563	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	521	4X4	63	top third (ke=0.8)	84	8621	6319	11256	11233	9873	8074	column length = 7'
	522	4X4	21	top third (ke=0.8)	84	8621	6319	11256	11233	9873	8074	column length = 7'
	523	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	524	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	525	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	526	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	527	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	528	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	529	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	530	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	531	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	532	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	533	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	534	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	535	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	536	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	537	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	538	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	539	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	540	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	541	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	542	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	543	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	544	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	545	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	546	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	547	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	548	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	549	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	550	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	551	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	552	4X4	24	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Bent C	FRAME	SECTION	LENGTH	LOCATION	stress lengths (in)	Allowable Dead Load Axial (lbs)	Allowable Dead Load Bending (lb*in)	Allowable Seismic Load Axial	Allowable Seismic Load Bending	Allowable Dead Plus Snow Load Axial (lbs)	Allowable Dead Plus Snow Load Bending (lb*in)	
	3	2X4X4	48	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	5	4X4	48	mid third (ke = 0.8)	48	11233	6699	18592	11910	14020	8560	
	7	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	8	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	10	4X4	63	top third (ke = 0.8)	84	8621	6319	11256	11233	9873	8074	
	11	4X4	21	top third (ke = 0.8)	84	8621	6319	11256	11233	9873	8074	
Brace	12	4X6	103.966	bot third (ke = 1.0)	84	N/A	N/A	12903	30975	N/A	N/A	Brace C.1 = 7'
Brace	22	4X4	95.671	top third (ke = 1.0)	84	N/A	N/A	9658	11233	N/A	N/A	
	26	2X4X4	48	mid third (ke = 0.8)	44	22747	13399	38247	23820	28534	17121	2x4 framing above and below
	28	4X4	48	mid third (ke = 0.8)	48	11233	6699	18592	11910	14020	8560	
	30	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	31	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	33	4X4	84	top third (ke = 0.8)	84	8621	6319	11256	11233	9873	8074	
Brace	36	4X6	120	mid third (ke = 1.0)	84	N/A	N/A	12674	29417	N/A	N/A	Brace sandwiched by Horiz.members, use 7'
Brace	45	4X4	86.533	top third (ke = 1.0)	72	N/A	N/A	12015	11233	N/A	N/A	
	51	2X4X4	48	mid third (ke = 0.8)	44	22747	13399	38247	23820	28534	17121	2x4 framing above and below
	53	4X4	48	mid third (ke = 0.8)	48	11233	6699	18592	11910	14020	8560	
	55	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	56	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	58	4X4	84	top third (ke = 0.8)	84	8621	6319	11256	11233	9873	8074	
Brace	62	4X6	120	mid third (ke = 1.0)	84	N/A	N/A	12674	29417	N/A	N/A	Brace sandwiched by Horiz.members, use 7'
Brace	65	4X6	120	top third (ke = 1.0)	84	N/A	N/A	12450	27745	N/A	N/A	Brace sandwiched by Horiz.members, use 7'
	74	2X4X4	48	mid third (ke = 0.8)	44	22747	13399	38247	23820	28534	17121	2x4 framing above and below
	76	4X4	48	mid third (ke = 0.8)	48	11233	6699	18592	11910	14020	8560	
	78	4X4	48	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below
	79	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	81	4X4	84	top third (ke = 0.8)	84	8621	6319	11256	11233	9873	8074	
Brace	82	4X6	60	top third (ke = 1.0)	60	N/A	N/A	20009	27745	N/A	N/A	Half brace
Brace	83	4X6	60	top third (ke = 1.0)	60	N/A	N/A	20009	27745	N/A	N/A	Half brace
Brace	87	4X6	120	mid third (ke = 1.0)	101	N/A	N/A	9176	29417	N/A	N/A	Pin-pin length = 8'-4 3/4"
Brace	95	4X6	60	top third (ke = 1.0)	60	N/A	N/A	20009	27745	N/A	N/A	Half brace
Brace	96	4X6	60	top third (ke = 1.0)	60	N/A	N/A	20009	27745	N/A	N/A	Half brace
	99	2X4X4	48	mid third (ke = 0.8)	44	22747	13399	38247	23820	28534	17121	2x4 framing above and below
	101	4X4	48	mid third (ke = 0.8)	48	11233	6699	18592	11910	14020	8560	
	103	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	104	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	106	4X4	84	top third (ke = 0.8)	84	8621	6319	11256	11233	9873	8074	
Brace	109	4X6	120	mid third (ke = 1.0)	101	N/A	N/A	9176	29417	N/A	N/A	Brace C2 Pin-pin length = 8'-4 3/4"
Brace	112	4X6	120	mid third (ke = 1.0)	84	N/A	N/A	12674	29417	N/A	N/A	Brace sandwiched by Horiz.members, use 7'
Brace	117	4X4	86.533	top third (ke = 1.0)	72	N/A	N/A	12015	11233	N/A	N/A	
	123	2X4X4	48	mid third (ke = 0.8)	44	22747	13399	38247	23820	28534	17121	2x4 framing above and below
	125	4X4	48	mid third (ke = 0.8)	48	11233	6699	18592	11910	14020	8560	
	127	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	128	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	130	4X4	84	top third (ke = 0.8)	84	8621	6319	11256	11233	9873	8074	
Brace	131	4X6	103.966	bot third (ke = 1.0)	84	N/A	N/A	12903	30975	N/A	N/A	Brace C.1 = 7'
Brace	133	4X6	120	mid third (ke = 1.0)	84	N/A	N/A	12674	29417	N/A	N/A	Brace sandwiched by Horiz.members, use 7'
Brace	144	4X4	95.671	top third (ke = 1.0)	96	N/A	N/A	7778	11233	N/A	N/A	
	148	2X4X4	48	mid third (ke = 0.8)	44	22747	13399	38247	23820	28534	17121	2x4 framing above and below
	150	4X4	48	mid third (ke = 0.8)	48	11233	6699	18592	11910	14020	8560	
	152	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	153	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	155	4X4	63	top third (ke = 0.8)	84	8621	6319	11256	11233	9873	8074	
	156	4X4	21	top third (ke = 0.8)	84	8621	6319	11256	11233	9873	8074	
Brace	157	4X6	103.966	bot third (ke = 1.0)	84	N/A	N/A	12903	30975	N/A	N/A	Brace C.1 = 7'

Bent C	FRAME	SECTION	LENGTH	LOCATION	stress lengths (in)	Allowable Dead Load Axial	Allowable Dead Load Bending	Allowable Seismic Load Axial	Allowable Seismic Load Bending	Allowable Dead Plus Snow Load Axial	Allowable Dead Plus Snow Load Bending	
	170	2X4X4	48	mid third (ke = 0.8)	44	22747	13399	38247	23820	28534	17121	2x4 framing above and below
	172	4X4	48	mid third (ke = 0.8)	48	11233	6699	18592	11910	14020	8560	
	174	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	175	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	177	4X4	84	top third (ke = 0.8)	84	8621	6319	11256	11233	9873	8074	
Brace	178	4X6	103.966	bot third (ke = 1.0)	84	N/A	N/A	12903	30975	N/A	N/A	Brace C.1 = 7'
	191	2X4X4	48	mid third (ke = 0.8)	44	22747	13399	38247	23820	28534	17121	2x4 framing above and below
	193	4X4	48	mid third (ke = 0.8)	48	11233	6699	18592	11910	14020	8560	
	195	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	196	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	198	4X4	63	top third (ke = 0.8)	84	8621	6319	11256	11233	9873	8074	
	199	4X4	21	top third (ke = 0.8)	84	8621	6319	11256	11233	9873	8074	
Brace	200	4X6	103.966	bot third (ke = 1.0)	84	N/A	N/A	12903	30975	N/A	N/A	Brace C.1 = 7'
Brace	203	4X6	120	mid third (ke = 1.0)	84	N/A	N/A	12674	29417	N/A	N/A	Brace sandwiched by Horiz.members, use 7'
Brace	214	4X4	95.671	top third (ke = 1.0)	96	N/A	N/A	7778	11233	N/A	N/A	
	218	2X4X4	48	mid third (ke = 0.8)	44	22747	13399	38247	23820	28534	17121	2x4 framing above and below
	220	4X4	48	mid third (ke = 0.8)	48	11233	6699	18592	11910	14020	8560	
	222	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	223	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	225	4X4	84	top third (ke = 0.8)	84	8621	6319	11256	11233	9873	8074	
Brace	227	4X6	120	mid third (ke = 1.0)	101	N/A	N/A	9176	29417	N/A	N/A	Brace C2 Pin-pin length = 8'-4 3/4"
Brace	230	4X6	120	mid third (ke = 1.0)	84	N/A	N/A	12674	29417	N/A	N/A	Brace sandwiched by Horiz.members, use 7'
Brace	235	4X4	86.533	top third (ke = 1.0)	72	N/A	N/A	12015	11233	N/A	N/A	
	241	2X4X4	48	mid third (ke = 0.8)	44	22747	13399	38247	23820	28534	17121	2x4 framing above and below
	243	4X4	48	mid third (ke = 0.8)	48	11233	6699	18592	11910	14020	8560	
	245	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	246	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	248	4X4	84	top third (ke = 0.8)	84	8621	6319	11256	11233	9873	8074	
Brace	249	4X6	60	top third (ke = 1.0)	60	N/A	N/A	20009	27745	N/A	N/A	Half brace
Brace	250	4X6	60	top third (ke = 1.0)	60	N/A	N/A	20009	27745	N/A	N/A	Half brace
Brace	254	4X6	120	mid third (ke = 1.0)	101	N/A	N/A	9176	29417	N/A	N/A	Pin-pin length = 8'-4 3/4"
Brace	262	4X6	60	top third (ke = 1.0)	60	N/A	N/A	20009	27745	N/A	N/A	Half brace
Brace	263	4X6	60	top third (ke = 1.0)	60	N/A	N/A	20009	27745	N/A	N/A	Half brace
	266	2X4X4	48	mid third (ke = 0.8)	44	22747	13399	38247	23820	28534	17121	2x4 framing above and below
	268	4X4	48	mid third (ke = 0.8)	48	11233	6699	18592	11910	14020	8560	
	270	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	2x4 framing above and below
	271	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	273	4X4	84	top third (ke = 0.8)	84	8621	6319	11256	11233	9873	8074	
Brace	277	4X6	120	mid third (ke = 1.0)	84	N/A	N/A	12674	29417	N/A	N/A	Brace sandwiched by Horiz.members, use 7'
Brace	280	4X6	120	top third (ke = 1.0)	84	N/A	N/A	12450	27745	N/A	N/A	Brace sandwiched by Horiz.members, use 7'
Brace	283	4X4	86.533	top third (ke = 1.0)	72	N/A	N/A	12015	11233	N/A	N/A	
	289	2X4X4	48	mid third (ke = 0.8)	44	22747	13399	38247	23820	28534	17121	2x4 framing above and below
	291	4X4	48	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	293	4X4	48	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below
	294	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	296	4X4	84	top third (ke = 0.8)	84	8621	6319	11256	11233	9873	8074	
Brace	299	4X6	120	mid third (ke = 1.0)	84	N/A	N/A	12674	29417	N/A	N/A	Brace sandwiched by Horiz.members, use 7'
Brace	308	4X4	86.533	top third (ke = 1.0)	72	N/A	N/A	12015	11233	N/A	N/A	
	314	2X4X4	48	mid third (ke = 0.8)	44	22747	13399	38247	23820	28534	17121	2x4 framing above and below
	316	4X4	48	mid third (ke = 0.8)	48	11233	6699	18592	11910	14020	8560	
	318	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	319	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	321	4X4	84	top third (ke = 0.8)	84	8621	6319	11256	11233	9873	8074	
Brace	322	4X6	103.966	bot third (ke = 1.0)	84	N/A	N/A	12903	30975	N/A	N/A	Brace C.1 = 7'
Brace	332	4X4	95.671	top third (ke = 1.0)	96	N/A	N/A	7778	11233	N/A	N/A	
	336	2X4X4	48	mid third (ke = 0.8)	44	22747	13399	38247	23820	28534	17121	2x4 framing above and below
	338	4X4	48	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below

Bent C	FRAME	SECTION	LENGTH	LOCATION	stress lengths (in)	Allowable Dead Load Axial	Allowable Dead Load Bending	Allowable Seismic Load Axial	Allowable Seismic Load Bending	Allowable Dead Plus Snow Load Axial	Allowable Dead Plus Snow Load Bending	
	340	4X4	48	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below
	341	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	343	4X4	63	top third (ke = 0.8)	84	8621	6319	11256	11233	9873	8074	
	344	4X4	21	top third (ke = 0.8)	84	8621	6319	11256	11233	9873	8074	
	346	2X4X4	18.25	bot third (ke = 0.8)	72	20684	14109	28876	25082	24353	18028	
	347	2X4X4	56.75	bot third (ke = 0.8)	72	20684	14109	28876	25082	24353	18028	
	348	2X4X4	18.25	bot third (ke = 0.8)	72	20684	14109	28876	25082	24353	18028	
	349	2X4X4	56.75	bot third (ke = 0.8)	72	20684	14109	28876	25082	24353	18028	
	350	2X4X4	18.25	bot third (ke = 0.8)	72	20684	14109	28876	25082	24353	18028	
	351	2X4X4	56.75	bot third (ke = 0.8)	72	20684	14109	28876	25082	24353	18028	
	352	2X4X4	18.25	bot third (ke = 0.8)	72	20684	14109	28876	25082	24353	18028	
	353	2X4X4	56.75	bot third (ke = 0.8)	72	20684	14109	28876	25082	24353	18028	
	354	2X4X4	18.25	bot third (ke = 0.8)	72	20684	14109	28876	25082	24353	18028	
	355	2X4X4	56.75	bot third (ke = 0.8)	72	20684	14109	28876	25082	24353	18028	
	356	2X4X4	18.25	bot third (ke = 0.8)	72	20684	14109	28876	25082	24353	18028	
	357	2X4X4	56.75	bot third (ke = 0.8)	72	20684	14109	28876	25082	24353	18028	
	358	2X4X4	18.25	bot third (ke = 0.8)	72	20684	14109	28876	25082	24353	18028	
	359	2X4X4	56.75	bot third (ke = 0.8)	72	20684	14109	28876	25082	24353	18028	
	360	2X4X4	18.25	bot third (ke = 0.8)	72	20684	14109	28876	25082	24353	18028	
	361	2X4X4	56.75	bot third (ke = 0.8)	72	20684	14109	28876	25082	24353	18028	
	362	2X4X4	18.25	bot third (ke = 0.8)	72	20684	14109	28876	25082	24353	18028	
	363	2X4X4	56.75	bot third (ke = 0.8)	72	20684	14109	28876	25082	24353	18028	
	364	2X4X4	18.25	bot third (ke = 0.8)	72	20684	14109	28876	25082	24353	18028	
	365	2X4X4	56.75	bot third (ke = 0.8)	72	20684	14109	28876	25082	24353	18028	
	366	2X4X4	18.25	bot third (ke = 0.8)	72	20684	14109	28876	25082	24353	18028	
	367	2X4X4	56.75	bot third (ke = 0.8)	72	20684	14109	28876	25082	24353	18028	
	368	2X4X4	18.25	bot third (ke = 0.8)	72	20684	14109	28876	25082	24353	18028	
	369	2X4X4	56.75	bot third (ke = 0.8)	72	20684	14109	28876	25082	24353	18028	
	370	2X4X4	18.25	bot third (ke = 0.8)	72	20684	14109	28876	25082	24353	18028	
	371	2X4X4	56.75	bot third (ke = 0.8)	72	20684	14109	28876	25082	24353	18028	
	372	2X4X4	18.25	bot third (ke = 0.8)	72	20684	14109	28876	25082	24353	18028	
	373	2X4X4	56.75	bot third (ke = 0.8)	72	20684	14109	28876	25082	24353	18028	
	374	2X4X4	18.25	bot third (ke = 0.8)	72	20684	14109	28876	25082	24353	18028	
	375	2X4X4	56.75	bot third (ke = 0.8)	72	20684	14109	28876	25082	24353	18028	
	391	2X4X4	24	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	392	2X4X4	24	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	393	2X4X4	24	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	394	2X4X4	24	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	395	2X4X4	24	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	396	2X4X4	24	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	397	2X4X4	24	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	398	2X4X4	24	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	399	2X4X4	24	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	400	2X4X4	24	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	401	2X4X4	24	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	402	2X4X4	24	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	403	2X4X4	24	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	404	2X4X4	24	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	405	2X4X4	24	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	406	2X4X4	24	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	407	2X4X4	24	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	408	2X4X4	24	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	409	2X4X4	24	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	410	2X4X4	24	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	411	2X4X4	24	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	412	2X4X4	24	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	413	2X4X4	24	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	414	2X4X4	24	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	415	2X4X4	24	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	416	2X4X4	24	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	417	2X4X4	24	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	418	2X4X4	24	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	

Bent C	FRAME	SECTION	LENGTH	LOCATION	stress lengths (in)	Allowable Dead Load Axial	Allowable Dead Load Bending	Allowable Seismic Load Axial	Allowable Seismic Load Bending	Allowable Dead Plus Snow Load Axial	Allowable Dead Plus Snow Load Bending	
	419	2X4X4	24	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	420	2X4X4	24	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	437	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	438	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	439	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	440	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	441	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	442	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	443	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	444	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	445	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	446	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	447	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	448	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	449	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	450	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	451	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	452	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	453	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	454	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	455	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	456	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	457	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	458	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	459	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	460	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	461	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	462	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	463	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	464	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	465	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	466	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	482	4X4	24	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below
	483	4X4	24	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below
	484	4X4	24	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below
	485	4X4	24	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below
	486	4X4	24	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below
	487	4X4	24	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below
	488	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	489	4X4	24	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	2x4 framing above and below
	490	4X4	24	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below
	491	4X4	24	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below
	492	4X4	24	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below
	493	4X4	24	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below
	494	4X4	24	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below
	495	4X4	24	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below
	496	4X4	24	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below
	497	4X4	24	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below
	498	4X4	24	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below
	499	4X4	24	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below
	500	4X4	24	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below
	501	4X4	24	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below
	502	4X4	24	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below
	503	4X4	24	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below
	504	4X4	24	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below
	505	4X4	24	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below
	506	4X4	24	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below
	507	4X4	24	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below
	508	4X4	24	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below
	509	4X4	24	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below
	510	4X4	24	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below
	511	4X4	24	top third (ke = 0.8)	44	10759	6319	18158	11233	13512	8074	2x4 framing above and below

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Bent C	FRAME	SECTION	LENGTH	LOCATION	stress lengths (in)	Allowable Dead Load Axial	Allowable Dead Load Bending	Allowable Seismic Load Axial	Allowable Seismic Load Bending	Allowable Dead Plus Snow Load Axial	Allowable Dead Plus Snow Load Bending
	527	4X4	10.437	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074
	528	4X4	4.563	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074
	529	4X4	10.437	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074
	530	4X4	4.563	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074
	531	4X4	10.437	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074
	532	4X4	4.563	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074
	533	4X4	10.437	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074
	534	4X4	4.563	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074
	535	4X4	10.437	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074
	536	4X4	4.563	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074
	537	4X4	10.437	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074
	538	4X4	4.563	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074
	539	4X4	10.437	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074
	540	4X4	4.563	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074
	541	4X4	10.437	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074
	542	4X4	4.563	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074
	543	4X4	10.437	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074
	544	4X4	4.563	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074
	545	4X4	10.437	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074
	546	4X4	4.563	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074
	547	4X4	10.437	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074
	548	4X4	4.563	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074
	549	4X4	10.437	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074
	550	4X4	4.563	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074
	551	4X4	10.437	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074
	552	4X4	4.563	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074
	553	4X4	10.437	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074
	554	4X4	4.563	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074
	555	4X4	10.437	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074
	556	4X4	4.563	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

End Bent	FRAME	SECTION	LENGTH	LOCATION	stress lengths (in)	Allowable Dead Load Axial (lbs)	Allowable Dead Load Bending (lb*in)	Allowable Seismic Load Axial (lbs)	Allowable Seismic Load Bending (lb*in)	Allowable Dead Plus Snow Load Axial (lbs)	Allowable Dead Plus Snow Load Bending (lb*in)	
	21	2x4X4	15.75	bot third (ke=0.8)	48	23577	14109	38859	25082	29389	18028	
	22	2x4X4	32.75	bot third (ke=0.8)	48	23577	14109	38859	25082	29389	18028	
	23	2x4X4	48	mid third (ke=0.8)	48	22465	13399	37185	23820	28041	17121	
	24	2x4X4	48	mid third (ke=0.8)	48	22465	13399	37185	23820	28041	17121	
	25	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	26	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	27	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	28	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	29	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	30	4X4	34.437	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	31	4X4	88.563	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	
Brace	37	4X4	39.906	top third (ke=1.0)	94	N/A	N/A	8058	11233	N/A	N/A	
Brace	38	4X4	39.906	top third (ke=1.0)	94	N/A	N/A	8058	11233	N/A	N/A	
Brace	44	4X4	120.4	mid third (ke=1.0)	101	N/A	N/A	7244	11910	N/A	N/A	TE.1 length = 8'-4 5/16", use 101"
Brace	58	4X4	39.906	top third (ke=1.0)	94	N/A	N/A	8058	11233	N/A	N/A	
Brace	59	4X4	39.906	top third (ke=1.0)	94	N/A	N/A	8058	11233	N/A	N/A	
	66	4X4	15.75	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	67	4X4	32.75	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	68	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	69	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	70	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	71	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	72	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	73	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	74	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	75	4X4	34.437	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	76	4X4	88.563	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	
Brace	84	4X4	120	mid third (ke=1.0)	101	N/A	N/A	7244	11910	N/A	N/A	TE.2 length = 8'-4 3/*4", use 101"
	94	4X4	15.75	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	95	4X4	80.75	mid third (ke=0.8)	84	8966	6699	11535	11910	10202	8560	
	96	4X4	96	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	97	4X4	96	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	98	4X4	96	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	99	4X4	110	top third (ke=0.8)	120	5736	6319	6332	11233	6046	8074	
	100	4X4	13	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
Brace	105	4X4	120	mid third (ke=1.0)	120	N/A	N/A	5308	11910	N/A	N/A	
Brace	108	4X4	131.469	top third (ke=1.0)	120	N/A	N/A	5236	11233	N/A	N/A	
	113	4X4	15.75	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	114	4X4	80.75	mid third (ke=0.8)	84	8966	6699	11535	11910	10202	8560	
	115	4X4	96	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	116	4X4	96	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	117	4X4	96	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	118	4X4	123	top third (ke=0.8)	120	5736	6319	6332	11233	6046	8074	
Brace	119	4X4	60	top third (ke=1.0)	72	N/A	N/A	12015	11233	N/A	N/A	
Brace	120	4X4	60	top third (ke=1.0)	72	N/A	N/A	12015	11233	N/A	N/A	
Brace	127	4X4	60	top third (ke=1.0)	72	N/A	N/A	12015	11233	N/A	N/A	
Brace	128	4X4	60	top third (ke=1.0)	72	N/A	N/A	12015	11233	N/A	N/A	
	129	4X4	15.75	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	130	4X4	80.75	mid third (ke=0.8)	84	8966	6699	11535	11910	10202	8560	
	131	4X4	96	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	132	4X4	96	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	133	4X4	96	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	134	4X4	123	top third (ke=0.8)	120	5736	6319	6332	11233	6046	8074	
Brace	138	4X4	120	mid third (ke=1.0)	120	N/A	N/A	5308	11910	N/A	N/A	
Brace	141	4X4	131.469	top third (ke=1.0)	120	N/A	N/A	5236	11233	N/A	N/A	
	146	4X4	15.75	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	147	4X4	80.75	mid third (ke=0.8)	84	8966	6699	11535	11910	10202	8560	
	148	4X4	96	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	149	4X4	96	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	150	4X4	96	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	151	4X4	110	top third (ke=0.8)	120	5736	6319	6332	11233	6046	8074	
	152	4X4	13	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
Brace	159	4X4	120	mid third (ke=1.0)	101	N/A	N/A	7244	11910	N/A	N/A	TE.2 length = 8'-4 3/*4", use 101"
	168	4X4	15.75	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	169	4X4	32.75	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	170	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	171	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	172	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	173	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	174	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	175	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

End Bent	FRAME	SECTION	LENGTH	LOCATION	stress lengths (in)	Allowable Dead Load Axial	Allowable Dead Load Bending	Allowable Seismic Load Axial	Allowable Seismic Load Bending	Allowable Dead Plus Snow Load Axial	Allowable Dead Plus Snow Load Bending	
	176	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	177	4X4	34.437	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	178	4X4	88.563	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	
Brace	185	4X4	39.906	top third (ke=1.0)	94	N/A	N/A	8058	11233	N/A	N/A	
Brace	186	4X4	39.906	top third (ke=1.0)	94	N/A	N/A	8058	11233	N/A	N/A	
Brace	192	4X4	120.4	mid third (ke=1.0)	101	N/A	N/A	7244	11910	N/A	N/A	TE.1 length = 8'-4 5/16", use 101"
Brace	206	4X4	39.906	top third (ke=1.0)	94	N/A	N/A	8058	11233	N/A	N/A	
Brace	207	4X4	39.906	top third (ke=1.0)	94	N/A	N/A	8058	11233	N/A	N/A	
	213	2x4X4	15.75	bot third (ke=0.8)	48	23577	14109	38859	25082	29389	18028	
	214	2x4X4	32.75	bot third (ke=0.8)	48	23577	14109	38859	25082	29389	18028	
	215	2x4X4	48	mid third (ke=0.8)	48	22465	13399	37185	23820	28041	17121	
	216	2x4X4	48	mid third (ke=0.8)	48	22465	13399	37185	23820	28041	17121	
	217	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	218	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	219	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	220	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	221	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	222	4X4	34.437	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	223	4X4	88.563	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Main Bent	FRAME	SECTION	LENGTH	LOCATION	stress lengths (in)	Allowable Dead Load Axial (lbs)	Allowable Dead Load Bending (lb*in)	Allowable Seismic Load Axial (lbs)	Allowable Seismic Load Bending (lb*in)	Allowable Dead Plus Snow Load Axial (lbs)	Allowable Dead Plus Snow Load Bending (lb*in)	
	19	2X4X4	15.75	bot third (ke=0.8)	48	23577	14109	38859	25082	29389	18028	
	20	2X4X4	32.75	bot third (ke=0.8)	48	23577	14109	38859	25082	29389	18028	
	21	2X4X4	48	mid third (ke=0.8)	48	22465	13399	37185	23820	28041	17121	
	22	2X4X4	48	mid third (ke=0.8)	48	22465	13399	37185	23820	28041	17121	
	23	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	24	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	25	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	26	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	28	4X4	34.437	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	29	4X4	88.563	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	
Brace	35	4X4	39.906	top third (ke=1.0)	48	N/A	N/A	16957	11233	N/A	N/A	
Brace	36	4X4	39.906	top third (ke=1.0)	48	N/A	N/A	16957	11233	N/A	N/A	
Brace	42	4X6	120.4	bot third (ke=1.0)	101	N/A	N/A	9318	30975	N/A	N/A	
Brace	56	4X4	39.906	top third (ke=1.0)	48	N/A	N/A	16957	11233	N/A	N/A	
Brace	57	4X4	39.906	top third (ke=1.0)	48	N/A	N/A	16957	11233	N/A	N/A	
	64	4X4	50.5	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	
	65	4X4	48	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	66	4X4	48	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	67	4X4	15.75	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	68	4X4	32.75	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	69	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	70	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	71	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	72	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560	
	73	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	74	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	76	4X4	34.437	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
	77	4X4	88.563	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074	
Brace	88	4X6	120	mid third (ke=1.0)	101	N/A	N/A	9318	30975	N/A	N/A	
	98	4X4	50.5	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	
	99	4X4	48	bot third (ke=0.8)	96	8121	7054	9604	12541	8874	9014	
	100	4X4	48	bot third (ke=0.8)	96	8121	7054	9604	12541	8874	9014	
	101	4X4	15.75	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	102	4X4	80.75	mid third (ke=0.8)	84	8966	6699	11535	11910	10202	8560	
	103	4X4	96	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	104	4X4	96	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	106	4X4	110	top third (ke=0.8)	120	5736	6319	6332	11233	6046	8074	
	107	4X4	13	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074	
Brace	114	4X4	120	mid third (ke=1.0)	101	N/A	N/A	7365	12541	N/A	N/A	T3 length = 8'-6 3/4", use 101
Brace	117	4X4	131.469	top third (ke=1.0)	120	N/A	N/A	5236	11233	N/A	N/A	
	122	4X4	50.5	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	
	123	4X4	96	bot third (ke=0.8)	92	8512	7054	10283	12541	9401	9014	2x4 at top and bracket at bottom
	124	4X4	15.75	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	125	4X4	80.75	mid third (ke=0.8)	84	8966	6699	11535	11910	10202	8560	
	126	4X4	96	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	127	4X4	96	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	
	129	4X4	123	top third (ke=0.8)	120	5736	6319	6332	11233	6046	8074	
Brace	130	4X4	60	top third (ke=1.0)	72	N/A	N/A	12015	11233	N/A	N/A	
Brace	131	4X4	60	top third (ke=1.0)	72	N/A	N/A	12015	11233	N/A	N/A	
Brace	140	4X4	60	top third (ke=1.0)	72	N/A	N/A	12015	11233	N/A	N/A	
Brace	141	4X4	60	top third (ke=1.0)	72	N/A	N/A	12015	11233	N/A	N/A	
	142	4X4	50.5	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	
	143	4X4	96	bot third (ke=0.8)	92	8512	7054	10283	12541	9401	9014	2x4 at top and bracket at bottom
	144	4X4	15.75	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	145	4X4	80.75	mid third (ke=0.8)	84	8966	6699	11535	11910	10202	8560	
	146	4X4	96	mid third (ke=0.8)	92	8253	6699	10076	11910	9162	8560	
	147	4X4	96	top third (ke=0.8)	92	7973	6319	9867	11233	8909	8074	
	149	4X4	123	top third (ke=0.8)	120	5736	6319	6332	11233	6046	8074	
Brace	155	4X4	120	mid third (ke=1.0)	101	N/A	N/A	7365	12541	N/A	N/A	T3 length = 8'-6 3/4", use 101
Brace	158	4X4	131.469	top third (ke=1.0)	120	N/A	N/A	5236	11233	N/A	N/A	
	163	4X4	50.5	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014	
	164	4X4	48	bot third (ke=0.8)	96	8121	7054	9604	12541	8874	9014	
	165	4X4	48	bot third (ke=0.8)	96	8121	7054	9604	12541	8874	9014	
	166	4X4	15.75	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014	
	167	4X4	80.75	mid third (ke=0.8)	84	8966	6699	11535	11910	10202	8560	
	168	4X4	96	mid third (ke=0.8)	96	7889	6699	9420	11910	8662	8560	
	169	4X4	96	top third (ke=0.8)	96	7639	6319	9237	11233	8441	8074	

Main Bent	FRAME	SECTION	LENGTH	LOCATION	stress lengths (in)	Allowable Dead Load Axial (lbs)	Allowable Dead Load Bending (lb*in)	Allowable Seismic Load Axial (lbs)	Allowable Seismic Load Bending (lb*in)	Allowable Dead Plus Snow Load Axial (lbs)	Allowable Dead Plus Snow Load Bending (lb*in)
	171	4X4	110	top third (ke=0.8)	120	5736	6319	6332	11233	6046	8074
	172	4X4	13	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074
Brace	182	4X6	120	mid third (ke=1.0)	101	N/A	N/A	9318	30975	N/A	N/A
	183	4X4	31.5	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074
	191	4X4	50.5	bot third (ke=0.8)	60	11183	7054	17167	12541	13623	9014
	192	4X4	48	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014
	193	4X4	48	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014
	194	4X4	15.75	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014
	195	4X4	32.75	bot third (ke=0.8)	48	11789	7054	19430	12541	14695	9014
	196	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560
	197	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560
	198	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560
	199	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560
	200	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074
	201	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074
	203	4X4	34.437	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074
	204	4X4	88.563	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074
Brace	211	4X4	39.906	top third (ke=1.0)	48	N/A	N/A	16957	11233	N/A	N/A
Brace	212	4X4	39.906	top third (ke=1.0)	48	N/A	N/A	16957	11233	N/A	N/A
Brace	218	4X6	120.4	bot third (ke=1.0)	101	N/A	N/A	9318	30975	N/A	N/A
Brace	232	4X4	39.906	top third (ke=1.0)	48	N/A	N/A	16957	11233	N/A	N/A
Brace	233	4X4	39.906	top third (ke=1.0)	48	N/A	N/A	16957	11233	N/A	N/A
	239	2X4X4	15.75	bot third (ke=0.8)	48	23577	14109	38859	25082	29389	18028
	240	2X4X4	32.75	bot third (ke=0.8)	48	23577	14109	38859	25082	29389	18028
	241	2X4X4	48	mid third (ke=0.8)	48	22465	13399	37185	23820	28041	17121
	242	2X4X4	48	mid third (ke=0.8)	48	22465	13399	37185	23820	28041	17121
	243	4X4	48	mid third (ke=0.8)	48	11233	6699	18592	11910	14020	8560
	244	4X4	48	mid third (ke=0.8)	44	11374	6699	19124	11910	14267	8560
	245	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074
	246	4X4	48	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074
	248	4X4	34.437	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074
	249	4X4	88.563	top third (ke=0.8)	94	7806	6319	9546	11233	8673	8074
	281	4X4	16.5	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074
	282	4X4	31.5	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074
	283	4X4	16.5	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074
	284	4X4	79.5	top third (ke=0.8)	84	8621	6319	11256	11233	9873	8074
	285	4X4	16.5	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074
	286	4X4	79.5	top third (ke=0.8)	84	8621	6319	11256	11233	9873	8074
	287	4X4	16.5	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074
	288	4X4	79.5	top third (ke=0.8)	84	8621	6319	11256	11233	9873	8074
	289	4X4	16.5	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074
	290	4X4	79.5	top third (ke=0.8)	84	8621	6319	11256	11233	9873	8074
	291	4X4	16.5	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074
	292	4X4	31.5	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074
	293	4X4	16.5	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074
	294	4X4	31.5	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074
	295	4X4	16.5	top third (ke=0.8)	48	10634	6319	17688	11233	13294	8074

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Partition Bent	FRAME	SECTION	LENGTH	LOCATION	stress lengths (in)	Allowable Dead Load Axial (lbs)	Allowable Dead Load Bending (lb*in)	Allowable Seismic Load Axial (lbs)	Allowable Seismic Load Bending (lb*in)	Allowable Dead Plus Snow Load Axial (lbs)	Allowable Dead Plus Snow Load Bending (lb*in)	
	15	2X4X4	15.75	bot third (ke = 0.8)	44	23890	14109	40039	25082	29936	18028	
	16	2X4X4	32.75	bot third (ke = 0.8)	44	23890	14109	40039	25082	29936	18028	
	17	2X4X4	48	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	18	2X4X4	48	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	19	4X4	48	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	Framing members above and below, use 44"
	20	4X4	48	mid third (ke = 0.8)	48	11233	6699	18592	11910	14020	8560	
	21	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	22	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	23	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	24	4X4	34.437	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	25	4X4	88.563	top third (ke = 0.8)	94	7806	6319	9546	11233	8673	8074	
Brace	26	4X4	39.906	top third (ke = 1.0)	84	N/A	N/A	9658	11233	N/A	N/A	
Brace	27	4X4	39.906	top third (ke = 1.0)	84	N/A	N/A	9658	11233	N/A	N/A	
Brace	30	4X4	120.4	mid third (ke = 1.0)	94	N/A	N/A	8200	11910	N/A	N/A	See element 30 I.R., 4x4 Member Braces.
Brace	44	4X4	39.906	top third (ke = 1.0)	84	N/A	N/A	9658	11233	N/A	N/A	
Brace	45	4X4	39.906	top third (ke = 1.0)	84	N/A	N/A	9658	11233	N/A	N/A	
	46	4X4	50.5	bot third (ke = 0.8)	60	11183	7054	17167	12541	13623	9014	
	47	4X4	48	bot third (ke = 0.8)	48	11789	7054	19430	12541	14695	9014	
	48	4X4	48	bot third (ke = 0.8)	48	11789	7054	19430	12541	14695	9014	
	49	4X4	15.75	bot third (ke = 0.8)	48	11789	7054	19430	12541	14695	9014	
	50	4X4	32.75	bot third (ke = 0.8)	48	11789	7054	19430	12541	14695	9014	
	51	4X4	48	mid third (ke = 0.8)	48	11233	6699	18592	11910	14020	8560	
	52	4X4	48	mid third (ke = 0.8)	48	11233	6699	18592	11910	14020	8560	
	53	4X4	48	mid third (ke = 0.8)	48	11233	6699	18592	11910	14020	8560	
	54	4X4	48	mid third (ke = 0.8)	48	11233	6699	18592	11910	14020	8560	
	55	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	56	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	57	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	58	4X4	34.437	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	59	4X4	88.563	top third (ke = 0.8)	94	7806	6319	9546	11233	8673	8074	
Brace	60	4X4	87.945	bot third (ke = 1.0)	94	N/A	N/A	8346	12541	N/A	N/A	
Brace	66	4X4	120	mid third (ke = 1.0)	101	N/A	N/A	8669	11910	N/A	N/A	TP.2 length = 8'-6 3/4", use 101
Brace	70	4X4	131.469	top third (ke = 1.0)	114	N/A	N/A	5750	11233	N/A	N/A	TP.5 length = 9'-6 3/4", use 114
	72	4X4	50.5	bot third (ke = 0.8)	60	11183	7054	17167	12541	13623	9014	Framing members above and below, use 48"
	73	4X4	48	bot third (ke = 0.8)	48	11789	7054	19430	12541	14695	9014	
	74	4X4	48	bot third (ke = 0.8)	48	11789	7054	19430	12541	14695	9014	
	75	4X4	15.75	bot third (ke = 0.8)	48	11789	7054	19430	12541	14695	9014	
	76	4X4	80.75	mid third (ke = 0.8)	84	8966	6699	11535	11910	10202	8560	
	77	4X4	96	mid third (ke = 0.8)	96	7889	6699	9420	11910	8662	8560	
	78	4X4	96	top third (ke = 0.8)	96	7639	6319	9237	11233	8441	8074	
	79	4X4	96	top third (ke = 0.8)	96	7639	6319	9237	11233	8441	8074	
	80	4X4	110	top third (ke = 0.8)	120	5736	6319	6332	11233	6046	8074	
	81	4X4	13	top third (ke = 0.8)	120	5736	6319	6332	11233	6046	8074	
Brace	83	4X4	120	bot third (ke = 1.0)	120	N/A	N/A	5386	12541	N/A	N/A	
Brace	87	4X4	120	mid third (ke = 1.0)	101	N/A	N/A	7244	11910	N/A	N/A	TP.2 length = 8'-6 3/4", use 101
Brace	89	4X6	120	mid third (ke = 1.0)	101	N/A	N/A	9176	29417	N/A	N/A	TP.3 length = 8'-4 3/4", use 101
Brace	92	4X4	131.469	top third (ke = 1.0)	114	N/A	N/A	5750	11233	N/A	N/A	TP.5 length = 9'-6 3/4", use 114
	94	4X4	50.5	bot third (ke = 0.8)	60	11183	7054	17167	12541	13623	9014	Framing members above and below, use 48"
	95	4X4	96	bot third (ke = 0.8)	94	8316	7054	9937	12541	9135	9014	Framing members above and below, use 94"
	96	4X4	15.75	bot third (ke = 0.8)	48	11789	7054	19430	12541	14695	9014	
	97	4X4	80.75	mid third (ke = 0.8)	84	8966	6699	11535	11910	10202	8560	
	98	4X4	96	mid third (ke = 0.8)	96	7889	6699	9420	11910	8662	8560	
	99	4X4	96	top third (ke = 0.8)	96	7639	6319	9237	11233	8441	8074	
	100	4X4	96	top third (ke = 0.8)	101	7221	6319	8513	11233	7878	8074	
	101	4X4	123	top third (ke = 0.8)	120	5736	6319	6332	11233	6046	8074	
Brace	102	4X4	60.2	mid third (ke = 1.0)	48	N/A	N/A	17767	11910	N/A	N/A	TP.8 1/2 brace = 3'-8 3/4", use 48
Brace	103	4X4	60.2	mid third (ke = 1.0)	48	N/A	N/A	17767	11910	N/A	N/A	TP.8 1/2 brace = 3'-8 3/4", use 48
Brace	104	4X6	60	top third (ke = 1.0)	101	N/A	N/A	9044	27745	N/A	N/A	
Brace	105	4X6	60	top third (ke = 1.0)	101	N/A	N/A	9044	27745	N/A	N/A	
Brace	114	4X4	60.2	mid third (ke = 1.0)	48	N/A	N/A	17767	11910	N/A	N/A	TP.8 1/2 brace = 3'-8 3/4", use 48
Brace	115	4X4	60.2	mid third (ke = 1.0)	48	N/A	N/A	17767	11910	N/A	N/A	TP.8 1/2 brace = 3'-8 3/4", use 48
Brace	116	4X6	60	top third (ke = 1.0)	101	N/A	N/A	9044	27745	N/A	N/A	
Brace	117	4X6	60	top third (ke = 1.0)	101	N/A	N/A	9044	27745	N/A	N/A	
	118	4X4	50.5	bot third (ke = 0.8)	60	11183	7054	17167	12541	13623	9014	Framing members above and below, use 48"
	119	4X4	96	bot third (ke = 0.8)	94	8316	7054	9937	12541	9135	9014	Framing members above and below, use 94"
	120	4X4	15.75	bot third (ke = 0.8)	48	11789	7054	19430	12541	14695	9014	
	121	4X4	80.75	mid third (ke = 0.8)	84	8966	6699	11535	11910	10202	8560	
	122	4X4	96	mid third (ke = 0.8)	96	7889	6699	9420	11910	8662	8560	
	123	4X4	96	top third (ke = 0.8)	96	7639	6319	9237	11233	8441	8074	
	124	4X4	96	top third (ke = 0.8)	96	7639	6319	9237	11233	8441	8074	
	125	4X4	123	top third (ke = 0.8)	120	5736	6319	6332	11233	6046	8074	

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Partition Bent	FRAME	SECTION	LENGTH	LOCATION	stress lengths (in)	Allowable Dead Load Axial (lbs)	Allowable Dead Load Bending (lb*in)	Allowable Seismic Load Axial (lbs)	Allowable Seismic Load Bending (lb*in)	Allowable Dead Plus Snow Load Axial (lbs)	Allowable Dead Plus Snow Load Bending (lb*in)	
Brace	127	4X4	120	bot third (ke = 1.0)	120	N/A	N/A	5386	12541	N/A	N/A	
Brace	131	4X4	120	mid third (ke = 1.0)	101	N/A	N/A	7244	11910	N/A	N/A	TP.2 length = 8'-6 3/4", use 101
Brace	133	4X6	120	mid third (ke = 1.0)	101	N/A	N/A	9176	29417	N/A	N/A	TP.3 length = 8'-4 3/4", use 101
Brace	136	4X4	131.469	top third (ke = 1.0)	114	N/A	N/A	5750	11233	N/A	N/A	TP.5 length = 9'-6 3/4", use 114
	138	4X4	50.5	bot third (ke = 0.8)	60	11183	7054	17167	12541	13623	9014	
	139	4X4	48	bot third (ke = 0.8)	48	11789	7054	19430	12541	14695	9014	
	140	4X4	48	bot third (ke = 0.8)	48	11789	7054	19430	12541	14695	9014	
	141	4X4	15.75	bot third (ke = 0.8)	48	11789	7054	19430	12541	14695	9014	
	142	4X4	80.75	mid third (ke = 0.8)	84	8966	6699	11535	11910	10202	8560	
	143	4X4	96	mid third (ke = 0.8)	96	7889	6699	9420	11910	8662	8560	
	144	4X4	96	top third (ke = 0.8)	96	7639	6319	9237	11233	8441	8074	
	145	4X4	96	top third (ke = 0.8)	96	7639	6319	9237	11233	8441	8074	
	146	4X4	110	top third (ke = 0.8)	120	5736	6319	6332	11233	6046	8074	
	147	4X4	13	top third (ke = 0.8)	120	5736	6319	6332	11233	6046	8074	
Brace	148	4X4	87.945	bot third (ke = 1.0)	94	N/A	N/A	8346	12541	N/A	N/A	
Brace	154	4X4	120	mid third (ke = 1.0)	101	N/A	N/A	8669	11910	N/A	N/A	TP.2 length = 8'-6 3/4", use 101
Brace	158	4X4	131.469	top third (ke = 1.0)	114	N/A	N/A	5750	11233	N/A	N/A	TP.5 length = 9'-6 3/4", use 114
	160	4X4	50.5	bot third (ke = 0.8)	60	11183	7054	17167	12541	13623	9014	
	161	4X4	48	bot third (ke = 0.8)	48	11789	7054	19430	12541	14695	9014	
	162	4X4	48	bot third (ke = 0.8)	48	11789	7054	19430	12541	14695	9014	
	163	4X4	15.75	bot third (ke = 0.8)	48	11789	7054	19430	12541	14695	9014	
	164	4X4	32.75	bot third (ke = 0.8)	48	11789	7054	19430	12541	14695	9014	
	165	4X4	48	mid third (ke = 0.8)	48	11233	6699	18592	11910	14020	8560	
	166	4X4	48	mid third (ke = 0.8)	48	11233	6699	18592	11910	14020	8560	
	167	4X4	48	mid third (ke = 0.8)	48	11233	6699	18592	11910	14020	8560	
	168	4X4	48	mid third (ke = 0.8)	48	11233	6699	18592	11910	14020	8560	
	169	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	170	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	171	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	172	4X4	34.437	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	173	4X4	88.563	top third (ke = 0.8)	94	7806	6319	9546	11233	8673	8074	
Brace	174	4X4	39.906	top third (ke = 1.0)	84	N/A	N/A	9658	11233	N/A	N/A	
Brace	175	4X4	39.906	top third (ke = 1.0)	84	N/A	N/A	9658	11233	N/A	N/A	
Brace	178	4X4	120.4	mid third (ke = 1.0)	94	N/A	N/A	8200	11910	N/A	N/A	See element 30, 4x4 Member Braces.
Brace	192	4X4	39.906	top third (ke = 1.0)	84	N/A	N/A	9658	11233	N/A	N/A	
Brace	193	4X4	39.906	top third (ke = 1.0)	84	N/A	N/A	9658	11233	N/A	N/A	
	194	2X4X4	15.75	bot third (ke = 0.8)	48	23577	14109	38859	25082	29389	18028	
	195	2X4X4	32.75	bot third (ke = 0.8)	48	23577	14109	38859	25082	29389	18028	
	196	2X4X4	48	mid third (ke = 0.8)	48	22465	13399	37185	23820	28041	17121	
	197	2X4X4	48	mid third (ke = 0.8)	44	22747	13399	38247	23820	28534	17121	Framing members above and below, use 44"
	198	4X4	44	mid third (ke = 0.8)	44	11374	6699	19124	11910	14267	8560	
	199	4X4	48	mid third (ke = 0.8)	48	11233	6699	18592	11910	14020	8560	
	200	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	201	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	202	4X4	48	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	203	4X4	34.437	top third (ke = 0.8)	48	10634	6319	17688	11233	13294	8074	
	204	4X4	88.563	top third (ke = 0.8)	94	7806	6319	9546	11233	8673	8074	

Bent A Summary - 4x4 Members

KcE = 0.3 E' = 1415250 psi
d1 = 3.5 inches d2 = 3.5 inches S = 7.146 in^3

Element	Section	Location	DL Only Note 1 Axial lbs	DL Only Note 1 Moment lb*in	Dead plus Snow Load Axial lbs	Dead plus Snow Load Moment lb*in	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	Dead Load Only Allowables Axial lbs	Dead Load Only Allowables Moment lb*in	Dead Load Plus Snow Allowable Axial lbs	Dead Load Plus Snow Allowable Moment lb*in	DL + Snow + Seismic Allowables Axial lbs	DL + Snow + Seismic Allowables Moment lb*in	Applied Comp. axial stress fc psi	Allowed Comp. axial stress Fc psi	Applied Bending stress fb psi	Allowed Bending stress Fb psi	Unbraced length in	de in	FcE psi	DL + Snow +Seismic Combined Axial and Bending Ratio	Interaction Ratios note 3 Dead Load Only	Interaction Ratios note 3 Dead Load Plus Snow	
341	4X4	mid third (ke=0.8)	3481	0	4921	0	1322	620	458	0	1399	620	6320	620	8071	6699	8910	6699	9742	11910	516	795	87	1667	94	3.5	589	0.84	0.43	0.55	
342	4X4	mid third (ke=0.8)	3154	0	4594	0	1311	620	427	0	1379	620	5974	620	8071	6699	8910	6699	9742	11910	488	795	87	1667	94	3.5	589	0.68	0.39	0.52	
172	4X4	mid third (ke=0.8)	3516	0	4956	0	661	521	461	0	806	521	5762	521	7889	6699	8662	6699	9420	11910	470	769	73	1667	96	3.5	564	0.64	0.45	0.57	
173	4X4	mid third (ke=0.8)	3190	0	4630	0	727	1192	431	0	845	1192	5474	1192	7889	6699	8662	6699	9420	11910	447	769	167	1667	96	3.5	564	0.82	0.40	0.53	
343	4X4	mid third (ke=0.8)	2565	0	4005	0	1288	535	372	0	1341	535	5346	535	7889	6699	8662	6699	9420	11910	436	769	75	1667	96	3.5	564	0.52	0.33	0.46	
344	4X4	mid third (ke=0.8)	2294	0	3734	0	1277	547	347	0	1323	547	5057	547	7889	6699	8662	6699	9420	11910	413	769	77	1667	96	3.5	564	0.46	0.29	0.43	
174	4X4	mid third (ke=0.8)	2593	0	4033	0	647	513	375	0	748	513	4781	513	7889	6699	8662	6699	9420	11910	390	769	72	1667	96	3.5	564	0.40	0.33	0.47	
175	4X4	mid third (ke=0.8)	2322	0	3762	0	642	495	350	0	731	495	4493	495	7889	6699	8662	6699	9420	11910	367	769	69	1667	96	3.5	564	0.35	0.29	0.43	
197	4X4	mid third (ke=0.8)	1619	0	2879	0	981	517	268	0	1017	517	3896	517	7889	6699	8662	6699	9420	11910	318	769	72	1667	96	3.5	564	0.27	0.21	0.33	
339	4X4	bot third (ke=0.8)	4206	0	5646	0	1341	521	525	0	1440	521	7086	521	10342	7054	12177	7054	14438	12541	578	1179	73	1755	72	3.5	1003	0.34	0.41	0.46	Note 2
340	4X4	bot third (ke=0.8)	4005	0	5445	0	1337	543	506	0	1429	543	6874	543	10342	7054	12177	7054	14438	12541	561	1179	76	1755	72	3.5	1003	0.32	0.39	0.45	Note 2
195	4X4	bot third (ke=0.8)	1847	0	3107	0	985	402	289	0	1026	402	4133	402	8121	7054	8874	7054	9604	12541	337	784	56	1755	96	3.5	564	0.26	0.23	0.35	
198	4X4	mid third (ke=0.8)	1293	0	2553	0	974	517	237	0	1002	517	3555	517	7889	6699	8662	6699	9420	11910	290	769	72	1667	96	3.5	564	0.23	0.16	0.29	
170	4X4	bot third (ke=0.8)	4248	0	5688	0	668	402	529	0	852	402	6540	402	10342	7054	12177	7054	14438	12541	534	1179	56	1755	72	3.5	1003	0.27	0.41	0.47	Note 2
345	4X4	top third (ke=0.8)	1704	0	3144	0	1248	547	292	0	1282	547	4426	547	7639	6319	8441	6319	9237	11233	361	754	77	1572	96	3.5	564	0.37	0.22	0.37	
317	4X4	mid third (ke=0.8)	1619	0	2879	0	227	601	268	0	351	601	3230	601	7889	6699	8662	6699	9420	11910	264	769	84	1667	96	3.5	564	0.21	0.21	0.33	
171	4X4	bot third (ke=0.8)	4047	0	5487	0	667	456	510	0	840	456	6326	456	10342	7054	12177	7054	14438	12541	516	1179	64	1755	72	3.5	1003	0.27	0.39	0.45	Note 2
98	4X4	mid third (ke=0.8)	2798	0	2798	0	830	466	260	0	870	466	3668	466	7889	6699	8662	6699	9420	11910	299	769	65	1667	96	3.5	564	0.23	0.35	0.32	
196	4X4	bot third (ke=0.8)	1646	0	2906	0	982	456	270	0	1018	456	3924	456	8121	7054	8874	7054	9604	12541	320	784	64	1755	96	3.5	564	0.25	0.20	0.33	
346	4X4	top third (ke=0.8)	1557	0	2997	0	1240	513	279	0	1271	513	4268	513	7639	6319	8441	6319	9237	11233	348	754	72	1572	96	3.5	564	0.33	0.20	0.36	
74	4X4	mid third (ke=0.8)	3340	0	3340	0	74	464	311	0	319	464	3659	464	7889	6699	8662	6699	9420	11910	299	769	65	1667	96	3.5	564	0.23	0.42	0.39	
56	4X4	top third (ke=0.8)	1250	0	1610	0	106	2674	150	0	183	2674	1793	2674	10634	6319	13294	6319	17688	11233	146	1444	374	1572	48	3.5	2257	0.26	0.12	0.12	
96	4X4	bot third (ke=0.8)	3026	0	3026	0	833	382	281	0	879	382	3905	382	8121	7054	8874	7054	9604	12541	319	784	53	1755	96	3.5	564	0.24	0.37	0.34	
57	4X4	top third (ke=0.8)	133	0	493	0	33	2674	46	0	56	2674	550	2674	10634	6319	13294	6319	17688	11233	45	1444	374	1572	48	3.5	2257	0.24	0.01	0.04	
100	4X4	mid third (ke=0.8)	2441	0	2441	0	1215	521	227	0	1236	521	3677	521	7889	6699	8662	6699	9420	11910	300	769	73	1667	96	3.5	564	0.25	0.31	0.28	
72	4X4	bot third (ke=0.8)	3568	0	3568	0	75	380	332	0	340	380	3908	380	8121	7054	8874	7054	9604	12541	319	784	53	1755	96	3.5	564	0.24	0.44	0.40	
199	4X4	mid third (ke=0.8)	1262	0	2522	0	973	493	235	0	1001	493	3523	493	7889	6699	8662	6699	9420	11910	288	769	69	1667	96	3.5	564	0.22	0.16	0.29	
146	4X4	mid third (ke=0.8)	1619	0	2879	0	93	512	268	0	283	512	3162	512	7889	6699	8662	6699	9420	11910	258	769	72	1667	96	3.5	564	0.19	0.21	0.33	
318	4X4	mid third (ke=0.8)	1293	0	2553	0	225	601	237	0	327	601	2880	601	7889	6699	8662	6699	9420	11910	235	769	84	1667	96	3.5	564	0.18	0.16	0.29	
99	4X4	mid third (ke=0.8)	2472	0	2472	0	824	509	230	0	856	509	3327	509	7889	6699	8662	6699	9420	11910	272	769	71	1667	96	3.5	564	0.21	0.31	0.29	
269	4X4	mid third (ke=0.8)	2798	0	2798	0	363	523	260	0	447	523	3245	523	7889	6699	8662	6699	9420	11910	265	769	73	1667	96	3.5	564	0.20	0.35	0.32	
50	4X4	mid third (ke=0.8)	2086	0	2446	0	793	490	227	0	825	490	3271	490	7889	6699	8662	6699	9420	11910	267	769	69	1667	96	3.5	564	0.20	0.26	0.28	
52	4X4	mid third (ke=0.8)	1729	0	2089	0	1343	547	194	0	1357	547	3446	547	7889	6699	8662	6699	9420	11910	281	769	77	1667	96	3.5	564	0.23	0.22	0.24	
176	4X4	top third (ke=0.8)	1726	0	3166	0	629	495	294	0	695	495	3860	495	7639	6319	8441	6319	9237	11233	315	754	69	1572	96	3.5	564	0.27	0.23	0.38	
315	4X4	bot third (ke=0.8)	1847	0	3107	0	227	497	289	0	368	497	3475	497	8121	7054	8874	7054	9604	12541	284	784	70	1755	96	3.5	564	0.21	0.23	0.35	
75	4X4	mid third (ke=0.8)	3014	0	3014	0	72	511	280	0	289	511	3303	511	7889	6699	8662	6699	9420	11910	270	769	72	1667	96	3.5	564	0.21	0.38	0.35	
97	4X4	bot third (ke=0.8)	2825	0	2825	0	831	444	263	0	871	444	3696	444	8121	7054	8874	7054	9604	12541	302	784	62	1755	96	3.5	564	0.22	0.35	0.32	
337	4X4	bot third (ke=0.8)	4532	0	5972	0	1346	130	555	0	1456	130	7428	130	10342	7054	12177	7054	14438	12541	606	1179	18	1755	72	3.5	1003	0.29	0.44	0.49	
26	4X4	mid third (ke=0.8)	1619	0	2879	0	184	458	268	0	325	458	3204	458	7889	6699	8662	6699	9420	11910	262	769	64	1667	96	3.5	564	0.19	0.21	0.33	
338	4X4	bot third (ke=0.8)	4512	0	5952	0	1346	340	554	0	1455	340	7407	340	10342	7054	12177	7054	14438	12541	605	1179	48	1755	72	3.5	1003	0.33	0.44	0.49	
24	4X4	bot third (ke=0.8)	1847	0	3107	0	340	374	289	0	446	374	3553	374	8121	7054	8874	7054	9604	12541	290	784	52	1755	96	3.5	564	0.20	0.23	0.35	
73	4X4	bot third (ke=0.8)	3367	0	3367	0	74	450	313	0	322	450	3689	450	8121	7054	8874	7054	9604	12541	301	784	63	1755	96	3.5	564	0.22	0.41	0.38	
48	4X4	bot third (ke=0.8)	2314	0	2674	0	798	383	249	0	835	383	3509	383	8121	7054	8874	7054	9604	12541	286	784	54	1755	96	3.5	564	0.20	0.28	0.30	
245	4X4	mid third (ke=0.8)	2798	0	2798	0	62	505	260	0	268	505	3066	505	7889	6699	8662	6699	9420	11910	250	769	71	1667	96	3.5	564	0.18	0.35	0.32	
101	4X4	mid third (ke=0.8)	2170	0	2170	0	1209	521	202	0	1226	521	3396	521	7889	6699	8662	6699	9420	11910	277	769	73	1667	96	3.5	564	0.22	0.28	0.25	
177	4X4	top third (ke=0.8)	1578	0	3018	0	626	423	281	0	686	423	3704	423	7639	6319	8441	6319	9237	11233	302	754	59	1572	96	3.5	564	0.24	0.21	0.36	
200	4X4	mid third (ke=0.8)	991	0	2251	0	965	512	209	0	987	512	3238	512	7889	6699	8662	6699	9420	11910	264	769	72	1667	96	3.5	564	0.20	0.13	0.26	
316	4X4	bot third (ke=0.8)	1646	0	2906	0	227	524	270	0	353	524	3259	524	8121	7054	8874	7054	9604	12541	266	784	73	1755	96	3.5	564	0.19	0.20	0.33	
147	4X4	mid third (ke=0.8)	1293	0	2553	0	94	520	237	0	255	520	2808	520	7889	6699	8662	6699	9420	11910	229	769	73	1667	96	3.5	564	0.16	0.16	0.29	
144	4X4	bot third (ke=0.8)	1847	0	3107	0	92	388	289	0	303	388	3410	388	8121	7054	8874	7054	9604	12541	278	784	54	1755	96	3.5	564	0.19	0.23	0.35	

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Bent A Summary - 4x4 Members

KcE = 0.3 E' = 1415250 psi
d1 = 3.5 inches d2 = 3.5 inches S = 7.146 in^3

Element	Section	Location	DL Only Note 1 Axial lbs	DL Only Note 1 Moment lb*in	Dead plus Snow Load Axial lbs	Dead plus Snow Load Moment lb*in	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	Dead Load Only Allowables Axial lbs	Dead Load Only Allowables Moment lb*in	Dead Load Plus Snow Allowable Axial lbs	Dead Load Plus Snow Allowable Moment lb*in	DL + Snow + Seismic Allowables Axial lbs	DL + Snow + Seismic Allowables Moment lb*in	Applied Comp. axial stress fc psi	Allowed Comp. axial stress Fc psi	Applied Bending stress fb psi	Allowed Bending stress Fb psi	Unbraced length in	de in	FcE psi	DL + Snow +Seismic Combined Axial and Bending Ratio	Interaction Ratios note 3 Dead Load Only	Interaction Ratios note 3 Dead Load Plus Snow
270	4X4	mid third (ke=0.8)	2472	0	2472	0	362	523	230	0	429	523	2900	523	7889	6699	8662	6699	9420	11910	237	769	73	1667	96	3.5	564	0.17	0.31	0.29
53	4X4	mid third (ke=0.8)	1458	0	1818	0	1337	547	169	0	1348	547	3165	547	7889	6699	8662	6699	9420	11910	258	769	77	1667	96	3.5	564	0.20	0.18	0.21
51	4X4	mid third (ke=0.8)	1760	0	2120	0	784	502	197	0	809	502	2928	502	7889	6699	8662	6699	9420	11910	239	769	70	1667	96	3.5	564	0.17	0.22	0.24
25	4X4	bot third (ke=0.8)	1646	0	2906	0	336	458	270	0	431	458	3337	458	8121	7054	8874	7054	9604	12541	272	784	64	1755	96	3.5	564	0.19	0.20	0.33
267	4X4	bot third (ke=0.8)	3026	0	3026	0	322	438	281	0	427	438	3453	438	8121	7054	8874	7054	9604	12541	282	784	61	1755	96	3.5	564	0.20	0.37	0.34
293	4X4	mid third (ke=0.8)	1003	0	1363	0	1089	573	127	0	1096	573	2459	573	7889	6699	8662	6699	9420	11910	201	769	80	1667	96	3.5	564	0.14	0.13	0.16
49	4X4	bot third (ke=0.8)	2113	0	2473	0	794	458	230	0	827	458	3299	458	8121	7054	8874	7054	9604	12541	269	784	64	1755	96	3.5	564	0.19	0.26	0.28
27	4X4	mid third (ke=0.8)	1293	0	2553	0	179	481	237	0	298	481	2850	481	7889	6699	8662	6699	9420	11910	233	769	67	1667	96	3.5	564	0.16	0.16	0.29
169	4X4	bot third (ke=0.8)	4561	0	6001	0	670	260	558	0	872	260	6873	260	10342	7054	12177	7054	14438	12541	561	1179	36	1755	72	3.5	1003	0.27	0.44	0.49
76	4X4	mid third (ke=0.8)	2983	0	2983	0	72	542	277	0	287	542	3270	542	7889	6699	8662	6699	9420	11910	267	769	76	1667	96	3.5	564	0.21	0.38	0.34
243	4X4	bot third (ke=0.8)	3026	0	3026	0	63	429	281	0	288	429	3314	429	8121	7054	8874	7054	9604	12541	271	784	60	1755	96	3.5	564	0.18	0.37	0.34
145	4X4	bot third (ke=0.8)	1646	0	2906	0	93	443	270	0	286	443	3192	443	8121	7054	8874	7054	9604	12541	261	784	62	1755	96	3.5	564	0.18	0.20	0.33
246	4X4	mid third (ke=0.8)	2472	0	2472	0	62	505	230	0	238	505	2710	505	7889	6699	8662	6699	9420	11910	221	769	71	1667	96	3.5	564	0.15	0.31	0.29
268	4X4	bot third (ke=0.8)	2825	0	2825	0	319	480	263	0	413	480	3238	480	8121	7054	8874	7054	9604	12541	264	784	67	1755	96	3.5	564	0.19	0.35	0.32
319	4X4	mid third (ke=0.8)	1262	0	2522	0	225	522	235	0	325	522	2847	522	7889	6699	8662	6699	9420	11910	232	769	73	1667	96	3.5	564	0.17	0.16	0.29
168	4X4	bot third (ke=0.8)	4589	0	6029	0	237	96	561	0	609	96	6637	96	10342	7054	12177	7054	14438	12541	542	1179	13	1755	72	3.5	1003	0.23	0.44	0.50
294	4X4	mid third (ke=0.8)	677	0	1037	0	1081	573	96	0	1085	573	2122	573	7889	6699	8662	6699	9420	11910	173	769	80	1667	96	3.5	564	0.12	0.09	0.12
244	4X4	bot third (ke=0.8)	2825	0	2825	0	63	465	263	0	270	465	3095	465	8121	7054	8874	7054	9604	12541	253	784	65	1755	96	3.5	564	0.17	0.35	0.32
102	4X4	top third (ke=0.8)	2140	0	2140	0	1209	446	199	0	1225	446	3365	446	7639	6319	8441	6319	9237	11233	275	754	62	1572	96	3.5	564	0.21	0.28	0.25
28	4X4	mid third (ke=0.8)	1262	0	2522	0	179	618	235	0	295	618	2817	618	7889	6699	8662	6699	9420	11910	230	769	87	1667	96	3.5	564	0.18	0.16	0.29
201	4X4	top third (ke=0.8)	961	0	2221	0	964	512	207	0	986	512	3206	512	7639	6319	8441	6319	9237	11233	262	754	72	1572	96	3.5	564	0.21	0.13	0.26
77	4X4	mid third (ke=0.8)	2712	0	2712	0	70	542	252	0	262	542	2974	542	7889	6699	8662	6699	9420	11910	243	769	76	1667	96	3.5	564	0.18	0.34	0.31
148	4X4	mid third (ke=0.8)	1262	0	2522	0	94	520	235	0	253	520	2775	520	7889	6699	8662	6699	9420	11910	227	769	73	1667	96	3.5	564	0.16	0.16	0.29
3	4X4	mid third (ke=0.8)	1634	0	2354	0	941	276	219	0	966	276	3320	276	7889	6699	8662	6699	9420	11910	271	769	39	1667	96	3.5	564	0.17	0.21	0.27
54	4X4	top third (ke=0.8)	1428	0	1788	0	1336	296	166	0	1347	296	3134	296	7639	6319	8441	6319	9237	11233	256	754	41	1572	96	3.5	564	0.16	0.19	0.21
291	4X4	bot third (ke=0.8)	1231	0	1591	0	1093	466	148	0	1103	466	2694	466	8121	7054	8874	7054	9604	12541	220	784	65	1755	96	3.5	564	0.14	0.15	0.18
271	4X4	mid third (ke=0.8)	2441	0	2441	0	362	470	227	0	427	470	2869	470	7889	6699	8662	6699	9420	11910	234	769	66	1667	96	3.5	564	0.16	0.31	0.28
320	4X4	mid third (ke=0.8)	991	0	2251	0	223	529	209	0	306	529	2557	529	7889	6699	8662	6699	9420	11910	209	769	74	1667	96	3.5	564	0.14	0.13	0.26
103	4X4	top third (ke=0.8)	1992	0	1992	0	1205	358	185	0	1219	358	3211	358	7639	6319	8441	6319	9237	11233	262	754	50	1572	96	3.5	564	0.18	0.26	0.24
350	4X4	top third (ke=0.8)	627	0	2067	0	1185	834	192	0	1201	834	3267	834	7806	6319	8673	6319	9546	11233	267	779	117	1572	94	3.5	589	0.25	0.08	0.24
202	4X4	top third (ke=0.8)	813	0	2073	0	958	444	193	0	977	444	3050	444	7639	6319	8441	6319	9237	11233	249	754	62	1572	96	3.5	564	0.18	0.11	0.25
55	4X4	top third (ke=0.8)	1280	0	1640	0	1332	489	153	0	1341	489	2981	489	7639	6319	8441	6319	9237	11233	243	754	68	1572	96	3.5	564	0.18	0.17	0.19
4	4X4	mid third (ke=0.8)	1467	0	2187	0	940	276	203	0	961	276	3149	276	7889	6699	8662	6699	9420	11910	257	769	39	1667	96	3.5	564	0.15	0.19	0.25
29	4X4	mid third (ke=0.8)	991	0	2251	0	175	618	209	0	273	618	2524	618	7889	6699	8662	6699	9420	11910	206	769	87	1667	96	3.5	564	0.15	0.13	0.26
122	4X4	mid third (ke=0.8)	1003	0	1363	0	637	481	127	0	649	481	2012	481	7889	6699	8662	6699	9420	11910	164	769	67	1667	96	3.5	564	0.10	0.13	0.16
292	4X4	bot third (ke=0.8)	1030	0	1390	0	1090	501	129	0	1097	501	2487	501	8121	7054	8874	7054	9604	12541	203	784	70	1755	96	3.5	564	0.13	0.13	0.16
149	4X4	mid third (ke=0.8)	991	0	2251	0	95	493	209	0	230	493	2481	493	7889	6699	8662	6699	9420	11910	203	769	69	1667	96	3.5	564	0.13	0.13	0.26
247	4X4	mid third (ke=0.8)	2441	0	2441	0	12	453	227	0	227	453	2669	453	7889	6699	8662	6699	9420	11910	218	769	63	1667	96	3.5	564	0.14	0.31	0.28
272	4X4	mid third (ke=0.8)	2170	0	2170	0	360	531	202	0	413	531	2583	531	7889	6699	8662	6699	9420	11910	211	769	74	1667	96	3.5	564	0.15	0.28	0.25
80	4X4	top third (ke=0.8)	2504	0	2504	0	28	1220	233	0	235	1220	2738	1220	10634	6319	13294	6319	17688	11233	224	1444	171	1572	48	3.5	2257	0.14	0.24	0.19
78	4X4	top third (ke=0.8)	2682	0	2682	0	30	362	249	0	251	362	2933	362	7639	6319	8441	6319	9237	11233	239	754	51	1572	96	3.5	564	0.16	0.35	0.32
295	4X4	mid third (ke=0.8)	646	0	1006	0	1080	500	94	0	1084	500	2090	500	7889	6699	8662	6699	9420	11910	171	769	70	1667	96	3.5	564	0.11	0.08	0.12
123	4X4	mid third (ke=0.8)	677	0	1037	0	636	517	96	0	643	517	1680	517	7889	6699	8662	6699	9420	11910	137	769	72	1667	96	3.5	564	0.09	0.09	0.12
248	4X4	mid third (ke=0.8)	2170	0	2170	0	12	525	202	0	202	525	2372	525	7889	6699	8662	6699	9420	11910	194	769	73	1667	96	3.5	564	0.13	0.28	0.25
81	4X4	top third (ke=0.8)	1928	0	1928	0	20	1220	179	0	180	1220	2109	1220	10634	6319	13294	6319	17688	11233	172	1444	171	1572	48	3.5	2257	0.13	0.18	0.15
221	4X4	mid third (ke=0.8)	1003	0	1363	0	202	497	127	0	238	497	1601	497	7889	6699	8662	6699	9420	11910	131	769	70	1667	96	3.5	564	0.08	0.13	0.16
5	4X4	mid third (ke=0.8)	1204	0	1924	0	936	247	179	0	953	247	2877	247	7889	6699	8662	6699	9420	11910	235	769	35	1667	96	3.5	564	0.13	0.15	0.22
321	4X4	top third (ke=0.8)	961	0	2221	0	223	529	207	0	304	529	2524	529	7639	6319	8441	6319	9237	11233	206	754	74	1572	96	3.5	564	0.15	0.13	0.26
79	4X4	top third (ke=0.8)	2534	0	2534	0	28	245	236	0	237	245	2771	245	7639	6319	8441	6319	9237	11233	226	754	34	1572	96	3.5	564	0.13	0.33	0.30
296	4X4	mid third (ke=0.8)	375	0	735	0	1071	527	68	0	1073	527	1808	527	7889	6699	8662	6699	9420	11910	148	769	74	1667	96	3.5	564	0.10	0.05	0.08
30	4X4	top third (ke=0.8)	961	0	2221	0	174	445	207	0	270	445	2491	445	7639	6319	8441	6319	9237	11233	203	754	62	1572	96	3.5	564	0.13	0.13	0.26
6	4X4	mid third (ke=0.8)	1066	0	1786	0	934	279	166	0	949	279	2735	279	7889	6699	8662	6699	9420	11910	223	769	39	1667	96	3.5	564	0.12	0.14	0.21

Bent A Summary - 4x4 Members

KcE = 0.3 E' = 1415250 psi
d1 = 3.5 inches d2 = 3.5 inches S = 7.146 in^3

Element	Section	Location	DL Only Note 1 Axial lbs	DL Only Note 1 Moment lb*in	Dead plus Snow Load Axial lbs	Dead plus Snow Load Moment lb*in	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	Dead Load Only Allowables Axial lbs	Dead Load Only Allowables Moment lb*in	Dead Load Plus Snow Allowable Axial lbs	Dead Load Plus Snow Allowable Moment lb*in	DL + Snow + Seismic Allowables Axial lbs	DL + Snow + Seismic Allowables Moment lb*in	Applied Comp. axial stress fc psi	Allowed Comp. axial stress Fc psi	Applied Bending stress fb psi	Allowed Bending stress Fb psi	Unbraced length in	de in	FcE psi	DL + Snow +Seismic Combined Axial and Bending Ratio	Interaction Ratios note 3 Dead Load Only	Interaction Ratios note 3 Dead Load Plus Snow
322	4X4	top third (ke=0.8)	813	0	2073	0	221	444	193	0	293	444	2367	444	7639	6319	8441	6319	9237	11233	193	754	62	1572	96	3.5	564	0.13	0.11	0.25
150	4X4	top third (ke=0.8)	961	0	2221	0	95	487	207	0	227	487	2448	487	7639	6319	8441	6319	9237	11233	200	754	68	1572	96	3.5	564	0.14	0.13	0.26
222	4X4	mid third (ke=0.8)	677	0	1037	0	202	497	96	0	224	497	1260	497	7889	6699	8662	6699	9420	11910	103	769	70	1667	96	3.5	564	0.07	0.09	0.12
31	4X4	top third (ke=0.8)	813	0	2073	0	172	336	193	0	258	336	2331	336	7639	6319	8441	6319	9237	11233	190	754	47	1572	96	3.5	564	0.11	0.11	0.25
124	4X4	mid third (ke=0.8)	646	0	1006	0	636	517	94	0	643	517	1649	517	7889	6699	8662	6699	9420	11910	135	769	72	1667	96	3.5	564	0.09	0.08	0.12
219	4X4	bot third (ke=0.8)	1231	0	1591	0	218	407	148	0	264	407	1855	407	8121	7054	8874	7054	9604	12541	151	784	57	1755	96	3.5	564	0.08	0.15	0.18
349	4X4	top third (ke=0.8)	629	0	2069	0	1186	927	192	0	1201	927	3270	927	7806	6319	8673	6319	9546	11233	267	779	130	1572	94	3.5	589	0.27	0.08	0.24
151	4X4	top third (ke=0.8)	813	0	2073	0	95	439	193	0	215	439	2288	439	7639	6319	8441	6319	9237	11233	187	754	61	1572	96	3.5	564	0.12	0.11	0.25
120	4X4	bot third (ke=0.8)	1231	0	1591	0	173	380	148	0	228	380	1819	380	8121	7054	8874	7054	9604	12541	148	784	53	1755	96	3.5	564	0.08	0.15	0.18
273	4X4	top third (ke=0.8)	2140	0	2140	0	49	531	199	0	205	531	2344	531	7639	6319	8441	6319	9237	11233	191	754	74	1572	96	3.5	564	0.14	0.28	0.25
249	4X4	top third (ke=0.8)	2140	0	2140	0	11	525	199	0	199	525	2339	525	7639	6319	8441	6319	9237	11233	191	754	73	1572	96	3.5	564	0.13	0.28	0.25
351	4X4	top third (ke=0.8)	611	0	2051	0	205	834	191	0	280	834	2331	834	7806	6319	8673	6319	9546	11233	190	779	117	1572	94	3.5	589	0.17	0.08	0.24
193	4X4	bot third (ke=0.8)	1903	0	3163	0	1550	106	294	0	1578	106	4741	106	10342	7054	12177	7054	14438	12541	387	1179	15	1755	72	3.5	1003	0.12	0.18	0.26
194	4X4	bot third (ke=0.8)	1875	0	3135	0	1550	264	292	0	1577	264	4712	264	10342	7054	12177	7054	14438	12541	385	1179	37	1755	72	3.5	1003	0.14	0.18	0.26
220	4X4	bot third (ke=0.8)	1030	0	1390	0	216	457	129	0	252	457	1642	457	8121	7054	8874	7054	9604	12541	134	784	64	1755	96	3.5	564	0.08	0.13	0.16
121	4X4	bot third (ke=0.8)	1030	0	1390	0	171	438	129	0	214	438	1604	438	8121	7054	8874	7054	9604	12541	131	784	61	1755	96	3.5	564	0.07	0.13	0.16
125	4X4	mid third (ke=0.8)	375	0	735	0	634	517	68	0	638	517	1373	517	7889	6699	8662	6699	9420	11910	112	769	72	1667	96	3.5	564	0.08	0.05	0.08
274	4X4	top third (ke=0.8)	1992	0	1992	0	45	444	185	0	191	444	2183	444	7639	6319	8441	6319	9237	11233	178	754	62	1572	96	3.5	564	0.11	0.26	0.24
250	4X4	top third (ke=0.8)	1992	0	1992	0	11	445	185	0	186	445	2178	445	7639	6319	8441	6319	9237	11233	178	754	62	1572	96	3.5	564	0.11	0.26	0.24
7	4X4	top third (ke=0.8)	802	0	1522	0	930	279	142	0	940	279	2463	279	7639	6319	8441	6319	9237	11233	201	754	39	1572	96	3.5	564	0.11	0.11	0.18
223	4X4	mid third (ke=0.8)	646	0	1006	0	202	469	94	0	223	469	1229	469	7889	6699	8662	6699	9420	11910	100	769	66	1667	96	3.5	564	0.06	0.08	0.12
297	4X4	top third (ke=0.8)	345	0	705	0	1070	527	66	0	1072	527	1777	527	7639	6319	8441	6319	9237	11233	145	754	74	1572	96	3.5	564	0.10	0.05	0.08
8	4X4	top third (ke=0.8)	726	0	1446	0	928	434	134	0	938	434	2384	434	7639	6319	8441	6319	9237	11233	195	754	61	1572	96	3.5	564	0.13	0.10	0.17
1	4X4	bot third (ke=0.8)	1968	0	2688	0	942	247	250	0	975	247	3662	247	10342	7054	12177	7054	14438	12541	299	1179	35	1755	72	3.5	1003	0.09	0.19	0.22
298	4X4	top third (ke=0.8)	197	0	557	0	1064	438	52	0	1065	438	1622	438	7639	6319	8441	6319	9237	11233	132	754	61	1572	96	3.5	564	0.08	0.03	0.07
2	4X4	bot third (ke=0.8)	1868	0	2588	0	942	247	241	0	972	247	3560	247	10342	7054	12177	7054	14438	12541	291	1179	35	1755	72	3.5	1003	0.09	0.18	0.21
224	4X4	mid third (ke=0.8)	375	0	735	0	202	521	68	0	213	521	948	521	7889	6699	8662	6699	9420	11910	77	769	73	1667	96	3.5	564	0.06	0.05	0.08
155	4X4	top third (ke=0.8)	728	0	1988	0	96	509	185	0	208	509	2196	509	7806	6319	8673	6319	9546	11233	179	779	71	1572	94	3.5	589	0.12	0.09	0.23
156	4X4	top third (ke=0.8)	712	0	1972	0	32	509	183	0	186	509	2158	509	7806	6319	8673	6319	9546	11233	176	779	71	1572	94	3.5	589	0.12	0.09	0.23
142	4X4	bot third (ke=0.8)	1903	0	3163	0	830	86	294	0	881	86	4043	86	10342	7054	12177	7054	14438	12541	330	1179	12	1755	72	3.5	1003	0.09	0.18	0.26
143	4X4	bot third (ke=0.8)	1875	0	3135	0	830	246	292	0	880	246	4015	246	10342	7054	12177	7054	14438	12541	328	1179	34	1755	72	3.5	1003	0.11	0.18	0.26
12	4X4	top third (ke=0.8)	305	0	1025	0	917	537	95	0	922	537	1946	537	7806	6319	8673	6319	9546	11233	159	779	75	1572	94	3.5	589	0.11	0.04	0.12
126	4X4	top third (ke=0.8)	345	0	705	0	634	460	66	0	637	460	1342	460	7639	6319	8441	6319	9237	11233	110	754	64	1572	96	3.5	564	0.07	0.05	0.08
94	4X4	bot third (ke=0.8)	3082	0	3082	0	833	71	287	0	881	71	3963	71	10342	7054	12177	7054	14438	12541	324	1179	10	1755	72	3.5	1003	0.08	0.30	0.25
95	4X4	bot third (ke=0.8)	3054	0	3054	0	833	213	284	0	880	213	3934	213	10342	7054	12177	7054	14438	12541	321	1179	30	1755	72	3.5	1003	0.10	0.30	0.25
70	4X4	bot third (ke=0.8)	3624	0	3624	0	75	65	337	0	345	65	3969	65	10342	7054	12177	7054	14438	12541	324	1179	9	1755	72	3.5	1003	0.08	0.35	0.30
71	4X4	bot third (ke=0.8)	3596	0	3596	0	75	201	334	0	343	201	3939	201	10342	7054	12177	7054	14438	12541	322	1179	28	1755	72	3.5	1003	0.10	0.35	0.30
127	4X4	top third (ke=0.8)	197	0	557	0	632	374	52	0	635	374	1192	374	7639	6319	8441	6319	9237	11233	97	754	52	1572	96	3.5	564	0.06	0.03	0.07
314	4X4	bot third (ke=0.8)	1875	0	3135	0	228	328	292	0	370	328	3505	328	10342	7054	12177	7054	14438	12541	286	1179	46	1755	72	3.5	1003	0.10	0.18	0.26
289	4X4	bot third (ke=0.8)	1287	0	1647	0	1804	125	153	0	1810	125	3457	125	10342	7054	12177	7054	14438	12541	282	1179	18	1755	72	3.5	1003	0.07	0.12	0.14
313	4X4	bot third (ke=0.8)	1903	0	3163	0	151	130	294	0	330	130	3493	130	10342	7054	12177	7054	14438	12541	285	1179	18	1755	72	3.5	1003	0.07	0.18	0.26
290	4X4	bot third (ke=0.8)	1259	0	1619	0	1803	310	151	0	1810	310	3429	310	10342	7054	12177	7054	14438	12541	280	1179	43	1755	72	3.5	1003	0.09	0.12	0.13
22	4X4	bot third (ke=0.8)	1889	0	3149	0	340	55	293	0	449	55	3597	55	10342	7054	12177	7054	14438	12541	294	1179	8	1755	72	3.5	1003	0.07	0.18	0.26
23	4X4	bot third (ke=0.8)	1868	0	3128	0	340	179	291	0	448	179	3575	179	10342	7054	12177	7054	14438	12541	292	1179	25	1755	72	3.5	1003	0.08	0.18	0.26
46	4X4	bot third (ke=0.8)	2370	0	2730	0	798	64	254	0	838	64	3567	64	10342	7054	12177	7054	14438	12541	291	1179	9	1755	72	3.5	1003	0.07	0.23	0.22
47	4X4	bot third (ke=0.8)	2342	0	2702	0	798	204	251	0	837	204	3538	204	10342	7054	12177	7054	14438	12541	289	1179	29	1755	72	3.5	1003	0.08	0.23	0.22
265	4X4	bot third (ke=0.8)	3082	0	3082	0	322	116	287	0	431	116	3513	116	10342	7054	12177	7054	14438	12541	287	1179	16	1755	72	3.5	1003	0.07	0.30	0.25
266	4X4	bot third (ke=0.8)	3054	0	3054	0	322	282	284	0	429	282	3483	282	10342	7054	12177	7054	14438	12541	284	1179	40	1755	72	3.5	1003	0.09	0.30	0.25
180	4X4	top third (ke=0.8)	636	0	2076	0	94	424	193	0	215	424	2291	424	7806	6319	8673	6319	9546	11233	187	779	59	1572	94	3.5	589	0.11	0.08	0.24
181	4X4	top third (ke=0.8)	634	0	2074	0	94	366	193	0	214	366	2288	366	7806	6319	8673	6319	9546	11233	187	779	51	1572	94	3.5	589	0.11	0.08	0.24
154	4X4	top third (ke=0.8)	730	0	1990	0	96	636	185	0	208	636	2198	636	7806	6319	8673	6319	9546	11233	179	779	89	1572	94	3.5	589	0.13	0.09	0.23
241	4X4	bot third (ke=0.8)	3082	0	3082	0	63	111	287	0	293	111	3375	111	10342	7054	12177	7054	14438	12541	276	1179	16	1755	72	3.5	1003	0.07	0.30	0.25

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Bent A Summary - 4x4 Members

KcE = 0.3 E' = 1415250 psi
d1 = 3.5 inches d2 = 3.5 inches S = 7.146 in^3

Element	Section	Location	DL Only Note 1 Axial lbs	DL Only Note 1 Moment lb*in	Dead plus Snow Load Axial lbs	Dead plus Snow Load Moment lb*in	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	Dead Load Only Allowables Axial lbs	Dead Load Only Allowables Moment lb*in	Dead Load Plus Snow Allowable Axial lbs	Dead Load Plus Snow Allowable Moment lb*in	DL + Snow + Seismic Allowables Axial lbs	DL + Snow + Seismic Allowables Moment lb*in	Applied Comp. axial stress fc psi	Allowed Comp. axial stress Fc psi	Applied Bending stress fb psi	Allowed Bending stress Fb psi	Unbraced length in	de in	FcE psi	DL + Snow +Seismic Combined Axial and Bending Ratio	Interaction Ratios note 3 Dead Load Only	Interaction Ratios note 3 Dead Load Plus Snow
225	4X4	top third (ke=0.8)	345	0	705	0	18	521	66	0	68	521	773	521	7639	6319	8441	6319	9237	11233	63	754	73	1572	96	3.5	564	0.06	0.05	0.08
242	4X4	bot third (ke=0.8)	3054	0	3054	0	63	276	284	0	291	276	3345	276	10342	7054	12177	7054	14438	12541	273	1179	39	1755	72	3.5	1003	0.08	0.30	0.25
205	4X4	top third (ke=0.8)	730	0	1990	0	112	459	185	0	216	459	2206	459	7806	6319	8673	6319	9546	11233	180	779	64	1572	94	3.5	589	0.11	0.09	0.23
206	4X4	top third (ke=0.8)	728	0	1988	0	112	397	185	0	216	397	2204	397	7806	6319	8673	6319	9546	11233	180	779	56	1572	94	3.5	589	0.10	0.09	0.23
34	4X4	top third (ke=0.8)	730	0	1990	0	97	359	185	0	209	359	2199	359	7806	6319	8673	6319	9546	11233	179	779	50	1572	94	3.5	589	0.10	0.09	0.23
325	4X4	top third (ke=0.8)	730	0	1990	0	41	513	185	0	190	513	2179	513	7806	6319	8673	6319	9546	11233	178	779	72	1572	94	3.5	589	0.12	0.09	0.23
35	4X4	top third (ke=0.8)	728	0	1988	0	97	306	185	0	209	306	2196	306	7806	6319	8673	6319	9546	11233	179	779	43	1572	94	3.5	589	0.09	0.09	0.23
326	4X4	top third (ke=0.8)	728	0	1988	0	41	446	185	0	189	446	2177	446	7806	6319	8673	6319	9546	11233	178	779	62	1572	94	3.5	589	0.11	0.09	0.23
347	4X4	top third (ke=0.8)	1109	0	2549	0	1215	513	237	0	1238	513	3786	513	10634	6319	13294	6319	17688	11233	309	1444	72	1572	48	3.5	2257	0.10	0.10	0.19
226	4X4	top third (ke=0.8)	197	0	557	0	15	444	52	0	54	444	611	444	7639	6319	8441	6319	9237	11233	50	754	62	1572	96	3.5	564	0.05	0.03	0.07
348	4X4	top third (ke=0.8)	1075	0	2515	0	1213	927	234	0	1235	927	3750	927	10634	6319	13294	6319	17688	11233	306	1444	130	1572	48	3.5	2257	0.14	0.10	0.19
11	4X4	top third (ke=0.8)	307	0	1027	0	917	622	95	0	922	622	1949	622	7806	6319	8673	6319	9546	11233	159	779	87	1572	94	3.5	589	0.12	0.04	0.12
13	4X4	top third (ke=0.8)	289	0	1009	0	46	537	94	0	104	537	1113	537	7806	6319	8673	6319	9546	11233	91	779	75	1572	94	3.5	589	0.07	0.04	0.12
106	4X4	top third (ke=0.8)	1909	0	1909	0	66	365	178	0	189	365	2098	365	7806	6319	8673	6319	9546	11233	171	779	51	1572	94	3.5	589	0.09	0.24	0.22
107	4X4	top third (ke=0.8)	1907	0	1907	0	65	312	177	0	189	312	2096	312	7806	6319	8673	6319	9546	11233	171	779	44	1572	94	3.5	589	0.09	0.24	0.22
277	4X4	top third (ke=0.8)	1909	0	1909	0	43	495	178	0	183	495	2091	495	7806	6319	8673	6319	9546	11233	171	779	69	1572	94	3.5	589	0.11	0.24	0.22
278	4X4	top third (ke=0.8)	1907	0	1907	0	42	430	177	0	182	430	2089	430	7806	6319	8673	6319	9546	11233	171	779	60	1572	94	3.5	589	0.10	0.24	0.22
253	4X4	top third (ke=0.8)	1909	0	1909	0	10	486	178	0	178	486	2087	486	7806	6319	8673	6319	9546	11233	170	779	68	1572	94	3.5	589	0.11	0.24	0.22
82	4X4	top third (ke=0.8)	1909	0	1909	0	20	653	178	0	179	653	2088	653	7806	6319	8673	6319	9546	11233	170	779	91	1572	94	3.5	589	0.13	0.24	0.22
254	4X4	top third (ke=0.8)	1907	0	1907	0	10	421	177	0	178	421	2084	421	7806	6319	8673	6319	9546	11233	170	779	59	1572	94	3.5	589	0.10	0.24	0.22
83	4X4	top third (ke=0.8)	1907	0	1907	0	20	572	177	0	178	572	2085	572	7806	6319	8673	6319	9546	11233	170	779	80	1572	94	3.5	589	0.12	0.24	0.22
178	4X4	top third (ke=0.8)	1123	0	2563	0	615	423	238	0	659	423	3222	423	10634	6319	13294	6319	17688	11233	263	1444	59	1572	48	3.5	2257	0.08	0.11	0.19
179	4X4	top third (ke=0.8)	1089	0	2529	0	614	424	235	0	657	424	3187	424	10634	6319	13294	6319	17688	11233	260	1444	59	1572	48	3.5	2257	0.08	0.10	0.19
323	4X4	top third (ke=0.8)	783	0	2043	0	221	444	190	0	291	444	2334	444	10634	6319	13294	6319	17688	11233	191	1444	62	1572	48	3.5	2257	0.06	0.07	0.15
324	4X4	top third (ke=0.8)	749	0	2009	0	221	513	187	0	289	513	2298	513	10634	6319	13294	6319	17688	11233	188	1444	72	1572	48	3.5	2257	0.07	0.07	0.15
32	4X4	top third (ke=0.8)	783	0	2043	0	171	336	190	0	256	336	2299	336	10634	6319	13294	6319	17688	11233	188	1444	47	1572	48	3.5	2257	0.05	0.07	0.15
33	4X4	top third (ke=0.8)	749	0	2009	0	171	359	187	0	253	359	2262	359	10634	6319	13294	6319	17688	11233	185	1444	50	1572	48	3.5	2257	0.05	0.07	0.15
203	4X4	top third (ke=0.8)	783	0	2043	0	115	444	190	0	222	444	2265	444	10634	6319	13294	6319	17688	11233	185	1444	62	1572	48	3.5	2257	0.06	0.07	0.15
152	4X4	top third (ke=0.8)	783	0	2043	0	95	439	190	0	213	439	2255	439	10634	6319	13294	6319	17688	11233	184	1444	61	1572	48	3.5	2257	0.06	0.07	0.15
204	4X4	top third (ke=0.8)	749	0	2009	0	113	459	187	0	218	459	2228	459	10634	6319	13294	6319	17688	11233	182	1444	64	1572	48	3.5	2257	0.06	0.07	0.15
217	4X4	bot third (ke=0.8)	1287	0	1647	0	219	107	153	0	267	107	1914	107	10342	7054	12177	7054	14438	12541	156	1179	15	1755	72	3.5	1003	0.03	0.12	0.14
153	4X4	top third (ke=0.8)	749	0	2009	0	96	636	187	0	210	636	2219	636	10634	6319	13294	6319	17688	11233	181	1444	89	1572	48	3.5	2257	0.08	0.07	0.15
218	4X4	bot third (ke=0.8)	1259	0	1619	0	219	262	151	0	266	262	1884	262	10342	7054	12177	7054	14438	12541	154	1179	37	1755	72	3.5	1003	0.04	0.12	0.13
118	4X4	bot third (ke=0.8)	1287	0	1647	0	173	79	153	0	231	79	1878	79	10342	7054	12177	7054	14438	12541	153	1179	11	1755	72	3.5	1003	0.02	0.12	0.14
119	4X4	bot third (ke=0.8)	1259	0	1619	0	173	227	151	0	230	227	1849	227	10342	7054	12177	7054	14438	12541	151	1179	32	1755	72	3.5	1003	0.04	0.12	0.13
104	4X4	top third (ke=0.8)	1962	0	1962	0	68	358	182	0	195	358	2157	358	10634	6319	13294	6319	17688	11233	176	1444	50	1572	48	3.5	2257	0.05	0.18	0.15
275	4X4	top third (ke=0.8)	1962	0	1962	0	44	444	182	0	188	444	2149	444	10634	6319	13294	6319	17688	11233	175	1444	62	1572	48	3.5	2257	0.06	0.18	0.15
251	4X4	top third (ke=0.8)	1962	0	1962	0	11	445	182	0	183	445	2145	445	10634	6319	13294	6319	17688	11233	175	1444	62	1572	48	3.5	2257	0.06	0.18	0.15
105	4X4	top third (ke=0.8)	1928	0	1928	0	67	365	179	0	191	365	2120	365	10634	6319	13294	6319	17688	11233	173	1444	51	1572	48	3.5	2257	0.05	0.18	0.15
276	4X4	top third (ke=0.8)	1928	0	1928	0	43	495	179	0	184	495	2113	495	10634	6319	13294	6319	17688	11233	172	1444	69	1572	48	3.5	2257	0.06	0.18	0.15
252	4X4	top third (ke=0.8)	1928	0	1928	0	10	486	179	0	180	486	2108	486	10634	6319	13294	6319	17688	11233	172	1444	68	1572	48	3.5	2257	0.06	0.18	0.15
9	4X4	top third (ke=0.8)	523	0	1243	0	923	434	116	0	930	434	2173	434	10634	6319	13294	6319	17688	11233	177	1444	61	1572	48	3.5	2257	0.06	0.05	0.09
10	4X4	top third (ke=0.8)	503	0	1223	0	923	622	114	0	929	622	2153	622	10634	6319	13294	6319	17688	11233	176	1444	87	1572	48	3.5	2257	0.07	0.05	0.09
128	4X4	top third (ke=0.8)	167	0	527	0	632	374	49	0	634	374	1161	374	10634	6319	13294	6319	17688	11233	95	1444	52	1572	48	3.5	2257	0.04	0.02	0.04
129	4X4	top third (ke=0.8)	133	0	493	0	632	369	46	0	633	369	1127	369	10634	6319	13294	6319	17688	11233	92	1444	52	1572	48	3.5	2257	0.04	0.01	0.04
227	4X4	top third (ke=0.8)	167	0	527	0	14	444	49	0	51	444	578	444	10634	6319	13294	6319	17688	11233	47	1444	62	1572	48	3.5	2257	0.04	0.02	0.04
299	4X4	top third (ke=0.8)	167	0	527	0	31	438	49	0	58	438	585	438	10634	6319	13294	6319	17688	11233	48	1444	61	1572	48	3.5	2257	0.04	0.02	0.04
228	4X4	top third (ke=0.8)	133	0	493	0	14	472	46	0	48	472	541	472	10634	6319	13294	6319	17688	11233	44	1444	66	1572	48	3.5	2257	0.04	0.01	0.04
300	4X4	top third (ke=0.8)	133	0	493	0	29	501	46	0	54	501	548	501	10634	6319	13294	6319	17688	11233	45	1444	70	1572	48	3.5	2257	0.05	0.01	0.04
301	4X4	top third (ke=0.8)	114	0	474	0	28	501	44	0	52	501	526	501	7806	6319	8673	6319	9546	11233	43	779	70	1572	94	3.5	589	0.05	0.01	0.05
58	4X4	top third (ke=0.8)	114	0	474	0	32	1009	44	0	54	1009	528	1009	7806	6319	8673	6319	9546	11233	43	779	141	1572	94	3.5	589	0.10	0.01	0.05
302	4X4	top third (ke=0.8)	112	0	472	0	27	435	44	0	52	435	524	435	7806	6319	8673	6319	9546	11233	43	779	61	1572	94	3.5	589	0.04	0.01	0.05

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Bent A Summary - 4x4 Members

KcE = 0.3 E' = 1415250 psi
d1 = 3.5 inches d2 = 3.5 inches S = 7.146 in^3

Element	Section	Location	DL Only Note 1 Axial lbs	DL Only Note 1 Moment lb*in	Dead plus Snow Load Axial lbs	Dead plus Snow Load Moment lb*in	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	Dead Load Only Allowables Axial lbs	Dead Load Only Allowables Moment lb*in	Dead Load Plus Snow Allowable Axial lbs	Dead Load Plus Snow Allowable Moment lb*in	DL + Snow + Seismic Allowables Axial lbs	DL + Snow + Seismic Allowables Moment lb*in	Applied Comp. axial stress fc psi	Allowed Comp. axial stress Fc psi	Applied Bending stress fb psi	Allowed Bending stress Fb psi	Unbraced length in	de in	FcE psi	DL + Snow +Seismic Combined Axial and Bending Ratio	Interaction Ratios note 3 Dead Load Only	Interaction Ratios note 3 Dead Load Plus Snow
59	4X4	top third (ke=0.8)	112	0	472	0	31	896	44	0	54	896	525	896	7806	6319	8673	6319	9546	11233	43	779	125	1572	94	3.5	589	0.09	0.01	0.05
229	4X4	top third (ke=0.8)	114	0	474	0	13	472	44	0	46	472	520	472	7806	6319	8673	6319	9546	11233	42	779	66	1572	94	3.5	589	0.05	0.01	0.05
130	4X4	top third (ke=0.8)	114	0	474	0	17	369	44	0	47	369	521	369	7806	6319	8673	6319	9546	11233	43	779	52	1572	94	3.5	589	0.04	0.01	0.05
230	4X4	top third (ke=0.8)	112	0	472	0	13	409	44	0	46	409	518	409	7806	6319	8673	6319	9546	11233	42	779	57	1572	94	3.5	589	0.04	0.01	0.05
131	4X4	top third (ke=0.8)	112	0	472	0	17	315	44	0	47	315	519	315	7806	6319	8673	6319	9546	11233	42	779	44	1572	94	3.5	589	0.03	0.01	0.05

Note 1: The amount of snow load taken by each column was determined based on the area of top cover around the column. For some of the columns this resulted in a 1,440 lb per column load (6'x6'x 40 psf). For other columns, the fan stack opening reduced the amount of applied snow load. This difference is accounted for in the column axial dead loads above.

Note 2: These column members are braced out-of-plane by partition bents and the associated 2 layers of corrugated C.A.B. This will decrease the buckling length of the members to their actiual lengths. Use 72-inches to be conservative.

Note 3: The DL only and DL + Snow interaction ratios shown are for P/A stress only. The moments from the DL condition are negligible. The seismic bending moments are accounted for in the table above under the combined axial and bending ratio.

Maximum Interaction Ratios		
DL + Snow + Seismic	Dead Load Only	DL + Snow
0.84	0.45	0.57

Per Section 3.9.2 of reference 11, the wood members subject to both axial compression and bending shall satisfy the following equation:

$$\left(\frac{f_c}{Fc}\right)^2 + \frac{f_b}{F_b \cdot \left[1 - \left(\frac{f_c}{F_{cE}}\right)\right]}$$

where fc is the applied axial stress, Fc is the allowable compressive stress, fb is the applied bending stress and FcE is defined as follows:

$$FcE = \frac{K_{cE} \cdot (E)}{\left(\frac{l}{d}\right)^2}$$

- fc and Fc are determined in the tables as applied loads. This is the same ratio as comparing the stresses.
- fb and Fb are also determined in the tables above as applied and allowable bending moments.
- KcE is defined as 0.3
- E is the modulus of elasticity adjusted for temperature and moisture and is determined in the allowable load derivation section.

Bent A Summary - 4x4 Member Braces

Element	Section	Location	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	DL + Snow + Seismic Allowables Axial lbs	DL + Snow + Seismic Allowables Moment lb*in	Interaction Ratios DL + Snow + Seismic
14	4X4	bot third (ke=1.0)	4531	0	0	0	4531	0	4531	0	10057	12541	0.45
20	4X4	top third (ke=1.0)	1202	0	0	0	1202	0	1202	0	8058	11233	0.15
39	4X4	mid third (ke=1.0)	4040	0	0	0	4040	0	4040	0	6764	11910	0.60
43	4X4	top third (ke=1.0)	1342	0	0	0	1342	0	1342	0	12015	11233	0.11
64	4X4	mid third (ke=1.0)	3213	0	0	0	3213	0	3213	0	6764	11910	0.48
66	4X4	top third (ke=1.0)	2525	0	0	0	2525	0	2525	0	6662	11233	0.38
88	4X4	mid third (ke=1.0)	2858	0	0	0	2858	0	2858	0	6764	11910	0.42
90	4X4	top third (ke=1.0)	2841	0	0	0	2841	0	2841	0	6662	11233	0.43
111	4X4	mid third (ke=1.0)	3391	0	0	0	3391	0	3391	0	6764	11910	0.50
115	4X4	top third (ke=1.0)	2012	0	0	0	2012	0	2012	0	12015	11233	0.17
140	4X4	top third (ke=1.0)	2360	0	0	0	2360	0	2360	0	8058	11233	0.29
157	4X4	bot third (ke=1.0)	2101	0	0	0	2101	0	2101	0	10057	12541	0.21
159	4X4	bot third (ke=1.0)	1970	0	0	0	1970	0	1970	0	10057	12541	0.20
166	4X4	top third (ke=1.0)	2491	0	0	0	2491	0	2491	0	8058	11233	0.31
182	4X4	bot third (ke=1.0)	2259	0	0	0	2259	0	2259	0	10057	12541	0.22
184	4X4	bot third (ke=1.0)	2438	0	0	0	2438	0	2438	0	10057	12541	0.24
190	4X4	top third (ke=1.0)	2312	0	0	0	2312	0	2312	0	12015	11233	0.19
213	4X4	top third (ke=1.0)	2687	0	0	0	2687	0	2687	0	6662	11233	0.40
234	4X4	mid third (ke=1.0)	2613	0	0	0	2613	0	2613	0	6764	11910	0.39
236	4X4	mid third (ke=1.0)	2882	0	0	0	2882	0	2882	0	6764	11910	0.43
258	4X4	mid third (ke=1.0)	2646	0	0	0	2646	0	2646	0	6764	11910	0.39
260	4X4	mid third (ke=1.0)	2769	0	0	0	2769	0	2769	0	6764	11910	0.41
285	4X4	top third (ke=1.0)	2370	0	0	0	2370	0	2370	0	6662	11233	0.36
304	4X4	bot third (ke=1.0)	2380	0	0	0	2380	0	2380	0	10057	12541	0.24
310	4X4	top third (ke=1.0)	1549	0	0	0	1549	0	1549	0	12015	11233	0.13
327	4X4	bot third (ke=1.0)	2275	0	0	0	2275	0	2275	0	10057	12541	0.23
335	4X4	top third (ke=1.0)	1437	0	0	0	1437	0	1437	0	8058	11233	0.18

Maximum Interaction Ratios
DL + Snow + Seismic
0.60

ABS Consulting

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Bent A Summary - 4x6 Member Braces

Element	Section	Location	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	DL + Snow + Seismic Allowable Axial lbs	DL + Snow + Seismic Allowable Moment lb*in	Interaction Ratios DL + Snow + Seismic
134	4X6	top third (ke=1.0)	2716	0	0	0	2716	0	2716	0	8430	27745	0.32
209	4X6	bot third (ke=1.0)	2738	0	0	0	2738	0	2738	0	8678	30975	0.32
281	4X6	bot third (ke=1.0)	2848	0	0	0	2848	0	2848	0	8678	30975	0.33

Maximum Interaction Ratios
DL + Snow + Seismic
0.33

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 0

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic
Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Bent B Summary - 4x4 Members

KcE = 0.3 E' = 1415250 psi
d1 = 3.5 inches d2 = 3.5 inches S = 7.146 in^3

Element	Section	Location	DL Only Axial lbs	DL Only Moment lb*in	Dead plus Snow Load Axial lbs	Dead plus Snow Load Moment lb*in	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	Dead Load Only Allowables Axial lbs	Dead Load Only Allowables Moment lb*in	Dead Load Plus Snow Allowables Axial lbs	Dead Load Plus Snow Allowables Moment lb*in	DL + Snow + Seismic Allowables Axial lbs	DL + Snow + Seismic Allowables Moment lb*in	Applied Comp. axial stress fc psi	Allowed Comp. axial stress Fc psi	Applied Bending stress fb psi	Allowed Bending stress Fb psi	Unbraced length in	de in	FcE psi	DL + Snow +Seismic Combined Axial and Bending Ratio	Interaction Ratios note 3 Dead Load Only	Interaction Ratios note 3 Dead Load Plus Snow
1	4X4	bot third (ke=0.8)	5053	0	5773	0	3351	1759	537	0	3393	1759	9167	1759	11789	7054	14695	7054	19430	12541	748	1586	246	1755	48	3.5	2257	0.43	0.43	0.39
2	4X4	bot third (ke=0.8)	4920	0	5640	0	3350	2508	525	0	3391	2508	9032	2508	11789	7054	14695	7054	19430	12541	737	1586	351	1755	48	3.5	2257	0.51	0.42	0.38
3	4X4	bot third (ke=0.8)	4803	0	5523	0	3350	2508	514	0	3389	2508	8912	2508	11789	7054	14695	7054	19430	12541	728	1586	351	1755	48	3.5	2257	0.51	0.41	0.38
4	4X4	mid third (ke=0.8)	4665	0	5385	0	3349	1178	501	0	3386	1178	8771	1178	11233	6699	14020	6699	18592	11910	716	1518	165	1667	48	3.5	2257	0.37	0.42	0.38
5	4X4	mid third (ke=0.8)	4364	0	5084	0	3346	641	473	0	3379	641	8464	641	11233	6699	14020	6699	18592	11910	691	1518	90	1667	48	3.5	2257	0.28	0.39	0.36
6	4X4	mid third (ke=0.8)	4232	0	4952	0	3345	738	461	0	3376	738	8328	738	11233	6699	14020	6699	18592	11910	680	1518	103	1667	48	3.5	2257	0.29	0.38	0.35
7	4X4	mid third (ke=0.8)	4094	0	4814	0	3342	738	448	0	3372	738	8186	738	11233	6699	14020	6699	18592	11910	668	1518	103	1667	48	3.5	2257	0.28	0.36	0.34
8	4X4	mid third (ke=0.8)	3790	0	4510	0	3336	829	419	0	3363	829	7872	829	11233	6699	14020	6699	18592	11910	643	1518	116	1667	48	3.5	2257	0.28	0.34	0.32
9	4X4	mid third (ke=0.8)	3657	0	4377	0	3334	829	407	0	3358	829	7736	829	11233	6699	14020	6699	18592	11910	631	1518	116	1667	48	3.5	2257	0.27	0.33	0.31
10	4X4	top third (ke=0.8)	3519	0	4239	0	3330	786	394	0	3353	786	7593	786	10634	6319	13294	6319	17688	11233	620	1444	110	1572	48	3.5	2257	0.28	0.33	0.32
11	4X4	top third (ke=0.8)	3203	0	3923	0	3321	1465	365	0	3341	1465	7264	1465	10634	6319	13294	6319	17688	11233	593	1444	205	1572	48	3.5	2257	0.35	0.30	0.30
12	4X4	top third (ke=0.8)	3070	0	3790	0	3317	1465	353	0	3336	1465	7126	1465	10634	6319	13294	6319	17688	11233	582	1444	205	1572	48	3.5	2257	0.34	0.29	0.29
14	4X4	top third (ke=0.8)	2808	0	3528	0	942	105	328	0	997	105	4525	105	10634	6319	13294	6319	17688	11233	369	1444	15	1572	48	3.5	2257	0.08	0.26	0.27
15	4X4	top third (ke=0.8)	2725	0	3445	0	938	366	320	0	991	366	4436	366	10634	6319	13294	6319	17688	11233	362	1444	51	1572	48	3.5	2257	0.10	0.26	0.26
16	4X4	top third (ke=0.8)	284	0	1004	0	837	366	93	0	842	366	1846	366	8621	6319	9873	6319	11256	11233	151	919	51	1572	84	3.5	737	0.07	0.03	0.10
17	4X4	top third (ke=0.8)	270	0	990	0	63	321	92	0	111	321	1101	321	8621	6319	9873	6319	11256	11233	90	919	45	1572	84	3.5	737	0.04	0.03	0.10
33	4X4	bot third (ke=0.8)	7553	0	8993	0	2525	91	836	0	2660	91	11653	91	11183	7054	13623	7054	17167	12541	951	1401	13	1755	60	3.5	1445	0.48	0.68	0.66
34	4X4	bot third (ke=0.8)	7532	0	8972	0	2525	365	834	0	2659	365	11631	365	11183	7054	13623	7054	17167	12541	949	1401	51	1755	60	3.5	1445	0.54	0.67	0.66
35	4X4	bot third (ke=0.8)	7511	0	8951	0	2525	682	832	0	2658	682	11609	682	11789	7054	14695	7054	19430	12541	948	1586	95	1755	48	3.5	2257	0.45	0.64	0.61
36	4X4	bot third (ke=0.8)	7244	0	8684	0	2521	682	808	0	2647	682	11331	682	11789	7054	14695	7054	19430	12541	925	1586	95	1755	48	3.5	2257	0.43	0.61	0.59
37	4X4	bot third (ke=0.8)	7214	0	8654	0	2520	806	805	0	2646	806	11299	806	11789	7054	14695	7054	19430	12541	922	1586	113	1755	48	3.5	2257	0.45	0.61	0.59
38	4X4	mid third (ke=0.8)	7189	0	8629	0	4205	806	802	0	4281	806	12909	806	11233	6699	14020	6699	18592	11910	1054	1518	113	1667	48	3.5	2257	0.61	0.64	0.62
39	4X4	mid third (ke=0.8)	6594	0	8034	0	4194	593	747	0	4260	593	12294	593	11233	6699	14020	6699	18592	11910	1004	1518	83	1667	48	3.5	2257	0.53	0.59	0.57
40	4X4	mid third (ke=0.8)	6560	0	8000	0	3592	688	744	0	3668	688	11669	688	11233	6699	14020	6699	18592	11910	953	1518	96	1667	48	3.5	2257	0.49	0.58	0.57
41	4X4	mid third (ke=0.8)	6535	0	7975	0	2722	807	742	0	2821	807	10797	807	11233	6699	14020	6699	18592	11910	881	1518	113	1667	48	3.5	2257	0.45	0.58	0.57
42	4X4	mid third (ke=0.8)	5933	0	7373	0	2704	945	686	0	2790	945	10163	945	11233	6699	14020	6699	18592	11910	830	1518	132	1667	48	3.5	2257	0.42	0.53	0.53
43	4X4	mid third (ke=0.8)	5914	0	7354	0	2704	945	684	0	2789	945	10142	945	11233	6699	14020	6699	18592	11910	828	1518	132	1667	48	3.5	2257	0.42	0.53	0.52
44	4X4	top third (ke=0.8)	5889	0	7329	0	2294	742	682	0	2394	742	9722	742	10634	6319	13294	6319	17688	11233	794	1444	104	1572	48	3.5	2257	0.40	0.55	0.55
45	4X4	top third (ke=0.8)	5261	0	6701	0	2270	1630	623	0	2354	1630	9055	1630	10634	6319	13294	6319	17688	11233	739	1444	228	1572	48	3.5	2257	0.48	0.49	0.50
46	4X4	top third (ke=0.8)	5242	0	6682	0	2269	1630	621	0	2353	1630	9035	1630	10634	6319	13294	6319	17688	11233	738	1444	228	1572	48	3.5	2257	0.48	0.49	0.50
48	4X4	top third (ke=0.8)	5136	0	6576	0	738	106	612	0	959	106	7535	106	10634	6319	13294	6319	17688	11233	615	1444	15	1572	48	3.5	2257	0.19	0.48	0.49
49	4X4	top third (ke=0.8)	4972	0	6412	0	736	107	596	0	947	107	7359	107	10634	6319	13294	6319	17688	11233	601	1444	15	1572	48	3.5	2257	0.19	0.47	0.48
50	4X4	top third (ke=0.8)	341	0	1781	0	135	107	166	0	214	107	1994	107	8621	6319	9873	6319	11256	11233	163	919	15	1572	84	3.5	737	0.04	0.04	0.18
71	4X4	bot third (ke=0.8)	8273	0	9533	0	624	84	887	0	1084	84	10617	84	11183	7054	13623	7054	17167	12541	867	1401	12	1755	60	3.5	1445	0.40	0.74	0.70
72	4X4	bot third (ke=0.8)	8245	0	9505	0	624	339	884	0	1082	339	10587	339	11183	7054	13623	7054	17167	12541	864	1401	47	1755	60	3.5	1445	0.45	0.74	0.70
73	4X4	bot third (ke=0.8)	8217	0	9477	0	624	559	881	0	1080	559	10557	559	11789	7054	14695	7054	19430	12541	862	1586	78	1755	48	3.5	2257	0.37	0.70	0.64
74	4X4	bot third (ke=0.8)	7950	0	9210	0	621	559	857	0	1058	559	10268	559	11789	7054	14695	7054	19430	12541	838	1586	78	1755	48	3.5	2257	0.35	0.67	0.63
75	4X4	bot third (ke=0.8)	7934	0	9194	0	621	510	855	0	1057	510	10251	510	11789	7054	14695	7054	19430	12541	837	1586	71	1755	48	3.5	2257	0.34	0.67	0.63
76	4X4	mid third (ke=0.8)	7909	0	9169	0	1137	555	853	0	1421	555	10590	555	11233	6699	14020	6699	18592	11910	865	1518	78	1667	48	3.5	2257	0.40	0.70	0.65
77	4X4	mid third (ke=0.8)	7315	0	8575	0	1132	692	797	0	1385	692	9959	692	11233	6699	14020	6699	18592	11910	813	1518	97	1667	48	3.5	2257	0.38	0.65	0.61
78	4X4	mid third (ke=0.8)	7281	0	8541	0	1132	692	794	0	1383	692	9923	692	11233	6699	14020	6699	18592	11910	810	1518	97	1667	48	3.5	2257	0.38	0.65	0.61
79	4X4	mid third (ke=0.8)	7256	0	8516	0	2763	799	792	0	2874	799	11390	799	11233	6699	14020	6699	18592	11910	930	1518	112	1667	48	3.5	2257	0.49	0.65	0.61
80	4X4	mid third (ke=0.8)	6653	0	7913	0	2757	801	736	0	2854	801	10767	801	11233	6699	14020	6699	18592	11910	879	1518	112	1667	48	3.5	2257	0.45	0.59	0.56
81	4X4	mid third (ke=0.8)	6620	0	7880	0	3624	801	733	0	3697	801	11577	801	11233	6699	14020	6699	18592	11910	945	1518	112	1667	48	3.5	2257	0.50	0.59	0.56
82	4X4	top third (ke=0.8)	6595	0	7855	0	2952	729	730	0	3041	729	10896	729	10634	6319	13294	6319	17688	11233	889	1444	102	1572	48	3.5	2257	0.49	0.62	0.59
83	4X4	top third (ke=0.8)	5967	0	7227	0	2940	1489	672	0	3015	1489	10243	1489	10634	6319	13294	6319	17688	11233	836	1444	208	1572	48	3.5	2257	0.55	0.56	0.54
84	4X4	top third (ke=0.8)	5948	0	7208	0	3346	1489	670	0	3413	1489	10620	1489	10634	6319	13294	6319	17688	11233	867	1444	208	1572	48	3.5	2257	0.58	0.56	0.54
86	4X4	top third (ke=0.8)	5522	0	6782	0	370	121	631	0	731	121	7513	121	10634	6319	13294	6319	17688	11233	613	1444	17	1572	48	3.5	2257	0.20	0.52	0.51
87	4X4	top third (ke=0.8)	5358	0	6618	0	361	84	615	0	714	84	7331	84	10634	6319	13294	6319	17688	11233	598	1444	12	1572	48	3.5	2257	0.18	0.50	0.50
88	4X4	top third (ke=0.8)	727	0	1987	0	111	84	185	0	216	84	2202	84	8621	6319	9873	6319	11256	11233	180	919	12	1572	84	3.5	737	0.05	0.08	0.20
110	4X4	bot third (ke=0.8)	8865	0	9765	0	131	85	908	0	918	85	10683	85	11183	7054	13623	7054	17167	12541	872	1401	12	1755	60	3.5	1445	0.40	0.79	0.72
111	4X4	bot third (ke=0.8)	8838	0	9738	0	131	337	906	0	915	337	10653	337	11183	7054	13623	7054	17167	12541	870	1401	47	1755	60	3.5	1445	0.45	0.79	0.71
112	4X4	bot third (ke=0.8)	8810	0	9710	0	131	523	903	0	912	523	10622	523	11789	7054	14695	7054	19430	12541	867	1586	73	1755	48	3.5	2257	0.37	0.75	0.66
113	4X4	bot third (ke=0.8)	8543	0	9443	0	131	523	878	0	888	523	10330	523	11789	7054	14695	7054	19430	12541	843	1586	73	1755	48	3.5	2257	0.35	0.72	0.64
114	4X4	bot third (ke=0.8)	8527	0	9427	0	130	445	877	0	886	445	10313	445	11789	7054	14695	7054	19430	12541	842	1586	62	1755	48	3.5	2257	0.34	0.72	0.64
115	4X4	mid third (ke=0.8)	8502	0	9402	0	130	537	874	0	884	537	10286	537	11233	6699	14020	6699	18592	11910	840	1518	75	1667	48	3.5	2257	0.38	0.76	0.67
116	4X4	mid third (ke=0.8)	7907	0	8807	0	130	765	819	0	829	765	9637	765	11233	6699	14020	6699	18592	11910	787	1518	107	1667	48	3.5	2257	0.37	0.70	0.63
117	4X4	mid third (ke=0.8)	7888	0	8788	0	130	765	817	0	827	765	9615	765	11233	6699	14020	6699	18592	11910	785	1518	107	1667	48	3.5	2257	0.37	0.70	0.63

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Bent B Summary - 4x4 Members

KcE = 0.3 psi
d1 = 3.5 inches
E' = 1415250
d2 = 3.5 inches
S = 7.146 in^3

Element	Section	Location	DL Only Axial lbs	DL Only Moment lb*in	Dead plus Snow Load Axial lbs	Dead plus Snow Load Moment lb*in	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	Dead Load Only Allowables Axial lbs	Dead Load Only Allowables Moment lb*in	Dead Load Plus Snow Allowables Axial lbs	Dead Load Plus Snow Allowables Moment lb*in	DL + Snow + Seismic Allowables Axial lbs	DL + Snow + Seismic Allowables Moment lb*in	Applied Comp. axial stress fc psi	Allowed Comp. axial stress Fc psi	Applied Bending stress fb psi	Allowed Bending stress Fb psi	Unbraced length in	de in	FcE psi	DL + Snow +Seismic Combined Axial and Bending Ratio	Interaction Ratios note 3 Dead Load Only	Interaction Ratios note 3 Dead Load Plus Snow
117	4X4	mid third (ke=0.8)	7888	0	8788	0	130	765	817	0	827	765	9615	765	11233	6699	14020	6699	18592	11910	785	1518	107	1667	48	3.5	2257	0.37	0.70	0.63
118	4X4	mid third (ke=0.8)	7863	0	8763	0	489	790	815	0	950	790	9713	790	11233	6699	14020	6699	18592	11910	793	1518	111	1667	48	3.5	2257	0.38	0.70	0.63
119	4X4	mid third (ke=0.8)	7260	0	8160	0	489	790	759	0	903	790	9063	790	11233	6699	14020	6699	18592	11910	740	1518	111	1667	48	3.5	2257	0.34	0.65	0.58
120	4X4	mid third (ke=0.8)	7227	0	8127	0	494	783	756	0	903	783	9030	783	11233	6699	14020	6699	18592	11910	737	1518	110	1667	48	3.5	2257	0.33	0.64	0.58
121	4X4	top third (ke=0.8)	7202	0	8102	0	64	698	753	0	756	698	8858	698	10634	6319	13294	6319	17688	11233	723	1444	98	1572	48	3.5	2257	0.34	0.68	0.61
122	4X4	top third (ke=0.8)	6574	0	7474	0	62	1593	695	0	698	1593	8172	1593	10634	6319	13294	6319	17688	11233	667	1444	223	1572	48	3.5	2257	0.41	0.62	0.56
123	4X4	top third (ke=0.8)	6555	0	7455	0	62	1593	693	0	696	1593	8151	1593	10634	6319	13294	6319	17688	11233	665	1444	223	1572	48	3.5	2257	0.41	0.62	0.56
125	4X4	top third (ke=0.8)	6289	0	7189	0	60	66	669	0	671	66	7860	66	10634	6319	13294	6319	17688	11233	642	1444	9	1572	48	3.5	2257	0.21	0.59	0.54
126	4X4	top third (ke=0.8)	6125	0	7025	0	59	69	653	0	656	69	7681	69	10634	6319	13294	6319	17688	11233	627	1444	10	1572	48	3.5	2257	0.20	0.58	0.53
127	4X4	top third (ke=0.8)	1494	0	2394	0	22	69	223	0	224	69	2617	69	8621	6319	9873	6319	11256	11233	214	919	10	1572	84	3.5	737	0.06	0.17	0.24
144	4X4	bot third (ke=0.8)	8705	0	9605	0	1366	89	893	0	1632	89	11237	89	11183	7054	13623	7054	17167	12541	917	1401	12	1755	60	3.5	1445	0.45	0.78	0.71
145	4X4	bot third (ke=0.8)	8678	0	9578	0	1366	342	891	0	1631	342	11208	342	11183	7054	13623	7054	17167	12541	915	1401	48	1755	60	3.5	1445	0.50	0.78	0.70
146	4X4	bot third (ke=0.8)	8650	0	9550	0	1366	517	888	0	1629	517	11179	517	11789	7054	14695	7054	19430	12541	913	1586	72	1755	48	3.5	2257	0.40	0.73	0.65
147	4X4	bot third (ke=0.8)	8383	0	9283	0	1364	517	863	0	1614	517	10896	517	11789	7054	14695	7054	19430	12541	890	1586	72	1755	48	3.5	2257	0.38	0.71	0.63
148	4X4	bot third (ke=0.8)	8367	0	9267	0	1363	491	862	0	1613	491	10880	491	11789	7054	14695	7054	19430	12541	888	1586	69	1755	48	3.5	2257	0.38	0.71	0.63
149	4X4	mid third (ke=0.8)	8342	0	9242	0	1026	523	859	0	1338	523	10580	523	11233	6699	14020	6699	18592	11910	864	1518	73	1667	48	3.5	2257	0.39	0.74	0.66
150	4X4	mid third (ke=0.8)	7747	0	8647	0	1018	919	804	0	1298	919	9945	919	11233	6699	14020	6699	18592	11910	812	1518	129	1667	48	3.5	2257	0.41	0.69	0.62
151	4X4	mid third (ke=0.8)	7713	0	8613	0	1018	919	801	0	1295	919	9909	919	11233	6699	14020	6699	18592	11910	809	1518	129	1667	48	3.5	2257	0.40	0.69	0.61
152	4X4	mid third (ke=0.8)	7688	0	8588	0	2223	762	799	0	2362	762	10950	762	11233	6699	14020	6699	18592	11910	894	1518	107	1667	48	3.5	2257	0.45	0.68	0.61
153	4X4	mid third (ke=0.8)	7086	0	7986	0	2214	1040	743	0	2335	1040	10321	1040	11233	6699	14020	6699	18592	11910	843	1518	145	1667	48	3.5	2257	0.45	0.63	0.57
154	4X4	mid third (ke=0.8)	7067	0	7967	0	2214	1040	741	0	2334	1040	10301	1040	11233	6699	14020	6699	18592	11910	841	1518	145	1667	48	3.5	2257	0.45	0.63	0.57
155	4X4	top third (ke=0.8)	7042	0	7942	0	2213	894	739	0	2333	894	10275	894	10634	6319	13294	6319	17688	11233	839	1444	125	1572	48	3.5	2257	0.46	0.66	0.60
156	4X4	top third (ke=0.8)	6414	0	7314	0	2200	1882	680	0	2303	1882	9617	1882	10634	6319	13294	6319	17688	11233	785	1444	263	1572	48	3.5	2257	0.55	0.60	0.55
157	4X4	top third (ke=0.8)	6395	0	7295	0	2200	1882	678	0	2302	1882	9597	1882	10634	6319	13294	6319	17688	11233	783	1444	263	1572	48	3.5	2257	0.55	0.60	0.55
159	4X4	top third (ke=0.8)	6289	0	7189	0	370	69	669	0	764	69	7953	69	10634	6319	13294	6319	17688	11233	649	1444	10	1572	48	3.5	2257	0.21	0.59	0.54
160	4X4	top third (ke=0.8)	6125	0	7025	0	362	62	653	0	747	62	7772	62	10634	6319	13294	6319	17688	11233	634	1444	9	1572	48	3.5	2257	0.20	0.58	0.53
161	4X4	top third (ke=0.8)	1494	0	2394	0	128	62	223	0	257	62	2650	62	8621	6319	9873	6319	11256	11233	216	919	9	1572	84	3.5	737	0.06	0.17	0.24
179	4X4	bot third (ke=0.8)	7938	0	9198	0	2312	95	855	0	2465	95	11663	95	11183	7054	13623	7054	17167	12541	952	1401	13	1755	60	3.5	1445	0.48	0.71	0.68
180	4X4	bot third (ke=0.8)	7911	0	9171	0	2312	352	853	0	2464	352	11635	352	11183	7054	13623	7054	17167	12541	950	1401	49	1755	60	3.5	1445	0.54	0.71	0.67
181	4X4	bot third (ke=0.8)	7883	0	9143	0	844	540	850	0	1198	540	10341	540	11789	7054	14695	7054	19430	12541	844	1586	76	1755	48	3.5	2257	0.35	0.67	0.62
182	4X4	bot third (ke=0.8)	7616	0	8876	0	841	540	825	0	1178	540	10054	540	11789	7054	14695	7054	19430	12541	821	1586	76	1755	48	3.5	2257	0.34	0.65	0.60
183	4X4	bot third (ke=0.8)	7600	0	8860	0	840	659	824	0	1177	659	10037	659	11789	7054	14695	7054	19430	12541	819	1586	92	1755	48	3.5	2257	0.35	0.64	0.60
184	4X4	mid third (ke=0.8)	7575	0	8835	0	382	659	822	0	906	659	9741	659	11233	6699	14020	6699	18592	11910	795	1518	92	1667	48	3.5	2257	0.36	0.67	0.63
185	4X4	mid third (ke=0.8)	6980	0	8240	0	383	1232	766	0	857	1232	9097	1232	11233	6699	14020	6699	18592	11910	743	1518	172	1667	48	3.5	2257	0.39	0.62	0.59
186	4X4	mid third (ke=0.8)	6946	0	8206	0	234	1232	763	0	798	1232	9005	1232	11233	6699	14020	6699	18592	11910	735	1518	172	1667	48	3.5	2257	0.39	0.62	0.59
187	4X4	mid third (ke=0.8)	6921	0	8181	0	1130	1027	761	0	1363	1027	9544	1027	11233	6699	14020	6699	18592	11910	779	1518	144	1667	48	3.5	2257	0.40	0.62	0.58
188	4X4	mid third (ke=0.8)	6319	0	7579	0	1122	1430	705	0	1325	1430	8904	1430	11233	6699	14020	6699	18592	11910	727	1518	200	1667	48	3.5	2257	0.41	0.56	0.54
189	4X4	mid third (ke=0.8)	6300	0	7560	0	1122	1430	703	0	1324	1430	8883	1430	11233	6699	14020	6699	18592	11910	725	1518	200	1667	48	3.5	2257	0.41	0.56	0.54
190	4X4	top third (ke=0.8)	6275	0	7535	0	2160	1218	701	0	2271	1218	9806	1218	10759	6319	13512	6319	18158	11233	800	1482	170	1572	44	3.5	2686	0.45	0.58	0.56
191	4X4	top third (ke=0.8)	5647	0	6907	0	2150	2119	642	0	2244	2119	9151	2119	10634	6319	13294	6319	17688	11233	747	1444	297	1572	48	3.5	2257	0.55	0.53	0.52
192	4X4	top third (ke=0.8)	5628	0	6888	0	2149	2119	641	0	2243	2119	9131	2119	10759	6319	13512	6319	18158	11233	745	1482	297	1572	44	3.5	2686	0.51	0.52	0.51
194	4X4	top third (ke=0.8)	5522	0	6782	0	1096	134	631	0	1264	134	8046	134	10634	6319	13294	6319	17688	11233	657	1444	19	1572	48	3.5	2257	0.22	0.52	0.51
195	4X4	top third (ke=0.8)	5358	0	6618	0	1097	65	615	0	1258	65	7876	65	10634	6319	13294	6319	17688	11233	643	1444	9	1572	48	3.5	2257	0.21	0.50	0.50
196	4X4	top third (ke=0.8)	727	0	1987	0	90	65	185	0	205	65	2192	65	8621	6319	9873	6319	11256	11233	179	919	9	1572	84	3.5	737	0.05	0.08	0.20
216	4X4	bot third (ke=0.8)	7538	0	8978	0	2408	109	835	0	2548	109	11526	109	11183	7054	13623	7054	17167	12541	941	1401	15	1755	60	3.5	1445	0.48	0.67	0.66
217	4X4	bot third (ke=0.8)	7510	0	8950	0	2770	372	832	0	2893	372	11843	372	11183	7054	13623	7054	17167	12541	967	1401	52	1755	60	3.5	1445	0.57	0.67	0.66
218	4X4	bot third (ke=0.8)	7482	0	8922	0	1167	549	830	0	1432	549	10354	549	11789	7054	14695	7054	19430	12541	845	1586	77	1755	48	3.5	2257	0.35	0.63	0.61
219	4X4	bot third (ke=0.8)	7215	0	8655	0	1164	549	805	0	1415	549	10070	549	11789	7054	14695	7054	19430	12541	822	1586	77	1755	48	3.5	2257	0.34	0.61	0.59
220	4X4	bot third (ke=0.8)	7199	0	8639	0	1164	662	803	0	1414	662	10054	662	11789	7054	14695	7054	19430	12541	821	1586	93	1755	48	3.5	2257	0.35	0.61	0.59
221	4X4	mid third (ke=0.8)	7174	0	8614	0	734	662	801	0	1086	662	9701	662	11233	6699	14020	6699	18592	11910	792	1518	93	1667	48	3.5	2257	0.36	0.64	0.61
222	4X4	mid third (ke=0.8)	6580	0	8020	0	726	1155	746	0	1041	1155	9061	1155	11233	6699	14020	6699	18592	11910	740	1518	162	1667	48	3.5	2257	0.38	0.59	0.57
223	4X4	mid third (ke=0.8)	6560	0	8000	0	726	1008	744	0	1040	1008	9040	1008	11233	6699	14020	6699	18592	11910	738	1518	141	1667	48	3.5	2257	0.36	0.58	0.57
224	4X4	mid third (ke=0.8)	6535	0	7975	0	726	749	742	0	1038	749	9013	749	11233	6699	14020	6699	18592	11910	736	1518	105	1667	48	3.5	2257	0.33	0.58	0.57
225	4X4	mid third (ke=0.8)	5933	0	7373	0	717	1515	686	0	992	1515	8365	1515	11233	6699	14020	6699	18592	11910	683	1518	212	1667	48	3.5	2257	0.38	0.53	0.53
226	4X4	mid third (ke=0.8)	5914	0	7354	0	305	1290	684	0	749	1290	8102	1290	11233	6699	14020	6699	18592	11910	661	1518	181	1667	48	3.5	2257	0.34	0.53	0.52
227	4X4	top third (ke=0.8)	5889	0	7329	0	312	929	682	0	749	929	8078	929	10634	6319	13294	6319	17688	11233	659	1444	130	1572	48	3.5	2257	0.33	0.55	0.55

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Bent B Summary - 4x4 Members

KcE = 0.3 E' = 1415250 psi
d1 = 3.5 inches d2 = 3.5 inches
S = 7.146 in^3

Element	Section	Location	DL Only Axial lbs	DL Only Moment lb*in	Dead plus Snow Load Axial lbs	Dead plus Snow Load Moment lb*in	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	Dead Load Only Allowables Axial lbs	Dead Load Only Allowables Moment lb*in	Dead Load Plus Snow Allowables Axial lbs	Dead Load Plus Snow Allowables Moment lb*in	DL + Snow + Seismic Allowables Axial lbs	DL + Snow + Seismic Allowables Moment lb*in	Applied Comp. axial stress fc psi	Allowed Comp. axial stress Fc psi	Applied Bending stress fb psi	Allowed Bending stress Fb psi	Unbraced length in	de in	FcE psi	DL + Snow +Seismic Combined Axial and Bending Ratio	Interaction Ratios note 3 Dead Load Only	Interaction Ratios note 3 Dead Load Plus Snow
228	4X4	top third (ke=0.8)	5261	0	6701	0	1354	2200	623	0	1491	2200	8192	2200	10634	6319	13294	6319	17688	11233	669	1444	308	1572	48	3.5	2257	0.49	0.49	0.50
229	4X4	top third (ke=0.8)	5242	0	6682	0	1355	1476	621	0	1491	1476	8173	1476	10634	6319	13294	6319	17688	11233	667	1444	207	1572	48	3.5	2257	0.40	0.49	0.50
231	4X4	top third (ke=0.8)	5136	0	6576	0	1357	59	612	0	1488	59	8064	59	10634	6319	13294	6319	17688	11233	658	1444	8	1572	48	3.5	2257	0.22	0.48	0.49
232	4X4	top third (ke=0.8)	4972	0	6412	0	1401	343	596	0	1522	343	7934	343	10634	6319	13294	6319	17688	11233	648	1444	48	1572	48	3.5	2257	0.24	0.47	0.48
233	4X4	top third (ke=0.8)	341	0	1781	0	1401	301	166	0	1410	301	3191	301	8621	6319	9873	6319	11256	11233	260	919	42	1572	84	3.5	737	0.12	0.04	0.18
234	4X4	top third (ke=0.8)	326	0	1766	0	4249	151	164	0	4252	151	6018	151	8621	6319	9873	6319	11256	11233	491	919	21	1572	84	3.5	737	0.33	0.04	0.18
254	4X4	bot third (ke=0.8)	10467	0	11907	0	1404	146	1107	0	1788	146	13695	146	11183	7054	13623	7054	17167	12541	1118	1401	20	1755	60	3.5	1445	0.69	0.94	0.87
255	4X4	bot third (ke=0.8)	10439	0	11879	0	1404	395	1105	0	1787	395	13666	395	11183	7054	13623	7054	17167	12541	1116	1401	55	1755	60	3.5	1445	0.77	0.93	0.87
256	4X4	bot third (ke=0.8)	10411	0	11851	0	1404	544	1102	0	1785	544	13636	544	11789	7054	14695	7054	19430	12541	1113	1586	76	1755	48	3.5	2257	0.58	0.88	0.81
257	4X4	bot third (ke=0.8)	10144	0	11584	0	1402	499	1077	0	1768	499	13352	499	11789	7054	14695	7054	19430	12541	1090	1586	70	1755	48	3.5	2257	0.55	0.86	0.79
258	4X4	bot third (ke=0.8)	9907	0	11347	0	1400	598	1055	0	1753	598	13100	598	11789	7054	14695	7054	19430	12541	1069	1586	84	1755	48	3.5	2257	0.55	0.84	0.77
259	4X4	mid third (ke=0.8)	9598	0	11038	0	1396	538	1027	0	1733	538	12771	538	11233	6699	14020	6699	18592	11910	1043	1518	75	1667	48	3.5	2257	0.56	0.85	0.79
260	4X4	mid third (ke=0.8)	9004	0	10444	0	1388	998	971	0	1694	998	12138	998	11233	6699	14020	6699	18592	11910	991	1518	140	1667	48	3.5	2257	0.58	0.80	0.74
261	4X4	mid third (ke=0.8)	8701	0	10141	0	1383	845	943	0	1674	845	11816	845	11233	6699	14020	6699	18592	11910	965	1518	118	1667	48	3.5	2257	0.53	0.77	0.72
262	4X4	mid third (ke=0.8)	8393	0	9833	0	1378	754	915	0	1654	754	11487	754	11233	6699	14020	6699	18592	11910	938	1518	106	1667	48	3.5	2257	0.49	0.75	0.70
263	4X4	mid third (ke=0.8)	7791	0	9231	0	1367	1362	858	0	1614	1362	10845	1362	11233	6699	14020	6699	18592	11910	885	1518	191	1667	48	3.5	2257	0.53	0.69	0.66
264	4X4	mid third (ke=0.8)	7489	0	8929	0	1361	1102	830	0	1594	1102	10522	1102	11233	6699	14020	6699	18592	11910	859	1518	154	1667	48	3.5	2257	0.47	0.67	0.64
265	4X4	top third (ke=0.8)	7181	0	8621	0	1354	830	802	0	1573	830	10194	830	10634	6319	13294	6319	17688	11233	832	1444	116	1572	48	3.5	2257	0.45	0.68	0.65
266	4X4	top third (ke=0.8)	6553	0	7993	0	1339	2057	743	0	1532	2057	9525	2057	10634	6319	13294	6319	17688	11233	778	1444	288	1572	48	3.5	2257	0.57	0.62	0.60
267	4X4	top third (ke=0.8)	6251	0	7691	0	2499	1434	715	0	2600	1434	10290	1434	10634	6319	13294	6319	17688	11233	840	1444	201	1572	48	3.5	2257	0.54	0.59	0.58
269	4X4	top third (ke=0.8)	5676	0	7116	0	2501	65	662	0	2587	65	9703	65	10634	6319	13294	6319	17688	11233	792	1444	9	1572	48	3.5	2257	0.31	0.53	0.54
270	4X4	top third (ke=0.8)	5512	0	6952	0	2501	66	647	0	2583	66	9535	66	10634	6319	13294	6319	17688	11233	778	1444	9	1572	48	3.5	2257	0.30	0.52	0.52
271	4X4	top third (ke=0.8)	589	0	2029	0	4476	33	189	0	4480	33	6509	33	8621	6319	9873	6319	11256	11233	531	919	5	1572	84	3.5	737	0.34	0.07	0.21
291	4X4	bot third (ke=0.8)	7538	0	8978	0	3288	99	835	0	3392	99	12370	99	11183	7054	13623	7054	17167	12541	1010	1401	14	1755	60	3.5	1445	0.55	0.67	0.66
292	4X4	bot third (ke=0.8)	7510	0	8950	0	3288	377	832	0	3392	377	12342	377	11183	7054	13623	7054	17167	12541	1007	1401	53	1755	60	3.5	1445	0.62	0.67	0.66
293	4X4	bot third (ke=0.8)	7482	0	8922	0	1942	544	830	0	2112	544	11034	544	11789	7054	14695	7054	19430	12541	901	1586	76	1755	48	3.5	2257	0.39	0.63	0.61
294	4X4	bot third (ke=0.8)	7215	0	8655	0	1939	499	805	0	2099	499	10754	499	11789	7054	14695	7054	19430	12541	878	1586	70	1755	48	3.5	2257	0.37	0.61	0.59
295	4X4	bot third (ke=0.8)	7199	0	8639	0	1938	553	803	0	2098	553	10737	553	11789	7054	14695	7054	19430	12541	877	1586	77	1755	48	3.5	2257	0.38	0.61	0.59
296	4X4	mid third (ke=0.8)	7174	0	8614	0	1938	524	801	0	2097	524	10711	524	11233	6699	14020	6699	18592	11910	874	1518	73	1667	48	3.5	2257	0.40	0.64	0.61
297	4X4	mid third (ke=0.8)	6580	0	8020	0	1928	866	746	0	2067	866	10087	866	11233	6699	14020	6699	18592	11910	823	1518	121	1667	48	3.5	2257	0.41	0.59	0.57
298	4X4	mid third (ke=0.8)	6560	0	8000	0	1731	715	744	0	1884	715	9884	715	11233	6699	14020	6699	18592	11910	807	1518	100	1667	48	3.5	2257	0.38	0.58	0.57
299	4X4	mid third (ke=0.8)	6535	0	7975	0	1730	748	742	0	1883	748	9858	748	11233	6699	14020	6699	18592	11910	805	1518	105	1667	48	3.5	2257	0.38	0.58	0.57
300	4X4	mid third (ke=0.8)	5933	0	7373	0	1717	1248	686	0	1849	1248	9222	1248	11233	6699	14020	6699	18592	11910	753	1518	175	1667	48	3.5	2257	0.40	0.53	0.53
301	4X4	mid third (ke=0.8)	5914	0	7354	0	1708	1248	684	0	1840	1248	9194	1248	11233	6699	14020	6699	18592	11910	750	1518	175	1667	48	3.5	2257	0.40	0.53	0.52
302	4X4	top third (ke=0.8)	5889	0	7329	0	1708	956	682	0	1839	956	9167	956	10634	6319	13294	6319	17688	11233	748	1444	134	1572	48	3.5	2257	0.40	0.55	0.55
303	4X4	top third (ke=0.8)	5261	0	6701	0	1690	1943	623	0	1801	1943	8503	1943	10634	6319	13294	6319	17688	11233	694	1444	272	1572	48	3.5	2257	0.48	0.49	0.50
304	4X4	top third (ke=0.8)	5242	0	6682	0	1790	1943	621	0	1895	1943	8576	1943	10634	6319	13294	6319	17688	11233	700	1444	272	1572	48	3.5	2257	0.49	0.49	0.50
306	4X4	top third (ke=0.8)	5136	0	6576	0	303	159	612	0	683	159	7258	159	10634	6319	13294	6319	17688	11233	593	1444	22	1572	48	3.5	2257	0.19	0.48	0.49
307	4X4	top third (ke=0.8)	4972	0	6412	0	296	48	596	0	666	48	7077	48	10634	6319	13294	6319	17688	11233	578	1444	7	1572	48	3.5	2257	0.17	0.47	0.48
308	4X4	top third (ke=0.8)	341	0	1781	0	84	48	166	0	185	48	1966	48	8621	6319	9873	6319	11256	11233	160	919	7	1572	84	3.5	737	0.04	0.04	0.18
328	4X4	bot third (ke=0.8)	7924	0	9184	0	1615	87	854	0	1827	87	11010	87	11183	7054	13623	7054	17167	12541	899	1401	12	1755	60	3.5	1445	0.43	0.71	0.67
329	4X4	bot third (ke=0.8)	7896	0	9156	0	1614	362	852	0	1825	362	10981	362	11183	7054	13623	7054	17167	12541	896	1401	51	1755	60	3.5	1445	0.49	0.71	0.67
330	4X4	bot third (ke=0.8)	7868	0	9128	0	322	547	849	0	908	547	10036	547	11789	7054	14695	7054	19430	12541	819	1586	77	1755	48	3.5	2257	0.34	0.67	0.62
331	4X4	bot third (ke=0.8)	7601	0	8861	0	320	547	824	0	884	547	9745	547	11789	7054	14695	7054	19430	12541	796	1586	77	1755	48	3.5	2257	0.32	0.64	0.60
332	4X4	bot third (ke=0.8)	7585	0	8845	0	319	515	823	0	882	515	9728	515	11789	7054	14695	7054	19430	12541	794	1586	72	1755	48	3.5	2257	0.31	0.64	0.60
333	4X4	mid third (ke=0.8)	7560	0	8820	0	185	521	820	0	841	521	9661	521	11233	6699	14020	6699	18592	11910	789	1518	73	1667	48	3.5	2257	0.34	0.67	0.63
334	4X4	mid third (ke=0.8)	6966	0	8226	0	182	705	765	0	786	705	9012	705	11233	6699	14020	6699	18592	11910	736	1518	99	1667	48	3.5	2257	0.32	0.62	0.59
335	4X4	mid third (ke=0.8)	6946	0	8206	0	181	705	763	0	784	705	8991	705	11233	6699	14020	6699	18592	11910	734	1518	99	1667	48	3.5	2257	0.32	0.62	0.59
336	4X4	mid third (ke=0.8)	6921	0	8181	0	215	741	761	0	791	741	8972	741	11233	6699	14020	6699	18592	11910	732	1518	104	1667	48	3.5	2257	0.33	0.62	0.58
337	4X4	mid third (ke=0.8)	6319	0	7579	0	213	1146	705	0	736	1146	8315	1146	11233	6699	14020	6699	18592	11910	679	1518	160	1667	48	3.5	2257	0.34	0.56	0.54
338	4X4	mid third (ke=0.8)	6300	0	7560	0	213	1146	703	0	734	1146	8294	1146	11233	6699	14020	6699	18592	11910	677	1518	160	1667	48	3.5	2257	0.34	0.56	0.54
339	4X4	top third (ke=0.8)	6275	0	7535	0	211	824	701	0	732	824	8267	824	10634	6319	13294	6319	17688	11233	675	1444	115	1572	48	3.5	2257	0.32	0.59	0.57
340	4X4	top third (ke=0.8)	5647	0	6907	0	201	1733	642	0	673	1733	7580	1733	10634	6319	13294	6319	17688	11233	619	1444	243	1572	48	3.5	2257	0.40	0.53	0.52
341	4X4	top third (ke=0.8)	5628	0	6888	0	201	1733	641	0	671	1733	7559	1733	10634	6319	13294	6319	17688	11233	617	1444	243	1572	48	3.5	2257	0.39	0.53	0.52
343	4X4	top third (ke=0.8)	5522	0	6782	0	198	282	631	0	661	282	7443	282	10634	6319	13294	6319	17688	11233	608	1444	39	1572	48	3.5	2257	0.21	0.52	0.51

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Bent B Summary - 4x4 Members

KcE = 0.3 E' = 1415250 psi
d1 = 3.5 inches d2 = 3.5 inches
S = 7.146 in^3

Element	Section	Location	DL Only Axial lbs	DL Only Moment lb*in	Dead plus Snow Load Axial lbs	Dead plus Snow Load Moment lb*in	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	Dead Load Only Allowables Axial lbs	Dead Load Only Allowables Moment lb*in	Dead Load Plus Snow Allowables Axial lbs	Dead Load Plus Snow Allowables Moment lb*in	DL + Snow + Seismic Allowables Axial lbs	DL + Snow + Seismic Allowables Moment lb*in	Applied Comp. axial stress fc psi	Allowed Comp. axial stress Fc psi	Applied Bending stress fb psi	Allowed Bending stress Fb psi	Unbraced length in	de in	FcE psi	DL + Snow +Seismic Combined Axial and Bending Ratio	Interaction Ratios note 3 Dead Load Only	Interaction Ratios note 3 Dead Load Plus Snow
344	4X4	top third (ke=0.8)	5358	0	6618	0	194	59	615	0	645	59	7263	59	10634	6319	13294	6319	17688	11233	593	1444	8	1572	48	3.5	2257	0.18	0.50	0.50
345	4X4	top third (ke=0.8)	727	0	1987	0	61	42	185	0	195	42	2181	42	8621	6319	9873	6319	11256	11233	178	919	6	1572	84	3.5	737	0.04	0.08	0.20
362	4X4	bot third (ke=0.8)	8691	0	9591	0	296	84	892	0	940	84	10531	84	11183	7054	13623	7054	17167	12541	860	1401	12	1755	60	3.5	1445	0.39	0.78	0.70
363	4X4	bot third (ke=0.8)	8663	0	9563	0	296	362	889	0	937	362	10501	362	11183	7054	13623	7054	17167	12541	857	1401	51	1755	60	3.5	1445	0.45	0.77	0.70
364	4X4	bot third (ke=0.8)	8635	0	9535	0	296	542	887	0	935	542	10470	542	11789	7054	14695	7054	19430	12541	855	1586	76	1755	48	3.5	2257	0.36	0.73	0.65
365	4X4	bot third (ke=0.8)	8368	0	9268	0	295	542	862	0	911	542	10179	542	11789	7054	14695	7054	19430	12541	831	1586	76	1755	48	3.5	2257	0.34	0.71	0.63
366	4X4	bot third (ke=0.8)	8352	0	9252	0	295	467	860	0	910	467	10162	467	11789	7054	14695	7054	19430	12541	830	1586	65	1755	48	3.5	2257	0.33	0.71	0.63
367	4X4	mid third (ke=0.8)	8327	0	9227	0	198	536	858	0	881	536	10108	536	11233	6699	14020	6699	18592	11910	825	1518	75	1667	48	3.5	2257	0.37	0.74	0.66
368	4X4	mid third (ke=0.8)	7733	0	8633	0	200	536	803	0	827	536	9460	536	11233	6699	14020	6699	18592	11910	772	1518	75	1667	48	3.5	2257	0.33	0.69	0.62
369	4X4	mid third (ke=0.8)	7713	0	8613	0	200	527	801	0	826	527	9439	527	11233	6699	14020	6699	18592	11910	771	1518	74	1667	48	3.5	2257	0.32	0.69	0.61
370	4X4	mid third (ke=0.8)	7688	0	8588	0	155	708	799	0	814	708	9402	708	11233	6699	14020	6699	18592	11910	768	1518	99	1667	48	3.5	2257	0.35	0.68	0.61
371	4X4	mid third (ke=0.8)	7086	0	7986	0	152	1082	743	0	758	1082	8744	1082	11233	6699	14020	6699	18592	11910	714	1518	151	1667	48	3.5	2257	0.35	0.63	0.57
372	4X4	mid third (ke=0.8)	7067	0	7967	0	151	1082	741	0	756	1082	8723	1082	11233	6699	14020	6699	18592	11910	712	1518	151	1667	48	3.5	2257	0.35	0.63	0.57
373	4X4	top third (ke=0.8)	7042	0	7942	0	151	772	739	0	754	772	8696	772	10634	6319	13294	6319	17688	11233	710	1444	108	1572	48	3.5	2257	0.34	0.66	0.60
374	4X4	top third (ke=0.8)	6414	0	7314	0	144	1591	680	0	695	1591	8009	1591	10634	6319	13294	6319	17688	11233	654	1444	223	1572	48	3.5	2257	0.40	0.60	0.55
375	4X4	top third (ke=0.8)	6395	0	7295	0	144	1591	678	0	693	1591	7988	1591	10634	6319	13294	6319	17688	11233	652	1444	223	1572	48	3.5	2257	0.40	0.60	0.55
377	4X4	top third (ke=0.8)	6289	0	7189	0	142	430	669	0	683	430	7872	430	10634	6319	13294	6319	17688	11233	643	1444	60	1572	48	3.5	2257	0.25	0.59	0.54
378	4X4	top third (ke=0.8)	6125	0	7025	0	139	88	653	0	668	88	7693	88	10634	6319	13294	6319	17688	11233	628	1444	12	1572	48	3.5	2257	0.20	0.58	0.53
379	4X4	top third (ke=0.8)	1494	0	2394	0	50	61	223	0	228	61	2622	61	8621	6319	9873	6319	11256	11233	214	919	9	1572	84	3.5	737	0.06	0.17	0.24
399	4X4	bot third (ke=0.8)	8691	0	9591	0	1015	82	892	0	1351	82	10942	82	11183	7054	13623	7054	17167	12541	893	1401	11	1755	60	3.5	1445	0.42	0.78	0.70
400	4X4	bot third (ke=0.8)	8663	0	9563	0	1015	360	889	0	1350	360	10913	360	11183	7054	13623	7054	17167	12541	891	1401	50	1755	60	3.5	1445	0.48	0.77	0.70
401	4X4	bot third (ke=0.8)	8635	0	9535	0	1015	537	887	0	1348	537	10883	537	11789	7054	14695	7054	19430	12541	888	1586	75	1755	48	3.5	2257	0.38	0.73	0.65
402	4X4	bot third (ke=0.8)	8368	0	9268	0	1014	537	862	0	1331	537	10599	537	11789	7054	14695	7054	19430	12541	865	1586	75	1755	48	3.5	2257	0.37	0.71	0.63
403	4X4	bot third (ke=0.8)	8352	0	9252	0	1014	453	860	0	1330	453	10582	453	11789	7054	14695	7054	19430	12541	864	1586	63	1755	48	3.5	2257	0.36	0.71	0.63
404	4X4	mid third (ke=0.8)	8327	0	9227	0	1422	558	858	0	1661	558	10888	558	11233	6699	14020	6699	18592	11910	889	1518	78	1667	48	3.5	2257	0.42	0.74	0.66
405	4X4	mid third (ke=0.8)	7733	0	8633	0	1419	558	803	0	1630	558	10263	558	11233	6699	14020	6699	18592	11910	838	1518	78	1667	48	3.5	2257	0.38	0.69	0.62
406	4X4	mid third (ke=0.8)	7713	0	8613	0	1419	481	801	0	1629	481	10242	481	11233	6699	14020	6699	18592	11910	836	1518	67	1667	48	3.5	2257	0.37	0.69	0.61
407	4X4	mid third (ke=0.8)	7688	0	8588	0	694	724	799	0	1058	724	9647	724	11233	6699	14020	6699	18592	11910	787	1518	101	1667	48	3.5	2257	0.36	0.68	0.61
408	4X4	mid third (ke=0.8)	7086	0	7986	0	688	1032	743	0	1013	1032	8999	1032	11233	6699	14020	6699	18592	11910	735	1518	144	1667	48	3.5	2257	0.36	0.63	0.57
409	4X4	mid third (ke=0.8)	7067	0	7967	0	688	1032	741	0	1011	1032	8978	1032	11233	6699	14020	6699	18592	11910	733	1518	144	1667	48	3.5	2257	0.36	0.63	0.57
410	4X4	top third (ke=0.8)	7042	0	7942	0	207	796	739	0	767	796	8709	796	10634	6319	13294	6319	17688	11233	711	1444	111	1572	48	3.5	2257	0.35	0.66	0.60
411	4X4	top third (ke=0.8)	6414	0	7314	0	198	1497	680	0	708	1497	8022	1497	10634	6319	13294	6319	17688	11233	655	1444	209	1572	48	3.5	2257	0.39	0.60	0.55
412	4X4	top third (ke=0.8)	6395	0	7295	0	197	1497	678	0	706	1497	8001	1497	10634	6319	13294	6319	17688	11233	653	1444	209	1572	48	3.5	2257	0.39	0.60	0.55
414	4X4	top third (ke=0.8)	6289	0	7189	0	195	509	669	0	696	509	7885	509	10634	6319	13294	6319	17688	11233	644	1444	71	1572	48	3.5	2257	0.26	0.59	0.54
415	4X4	top third (ke=0.8)	6125	0	7025	0	191	101	653	0	681	101	7705	101	10634	6319	13294	6319	17688	11233	629	1444	14	1572	48	3.5	2257	0.20	0.58	0.53
416	4X4	top third (ke=0.8)	1494	0	2394	0	69	93	223	0	233	93	2626	93	8621	6319	9873	6319	11256	11233	214	919	13	1572	84	3.5	737	0.07	0.17	0.24
433	4X4	bot third (ke=0.8)	7924	0	9184	0	3240	81	854	0	3351	81	12535	81	11183	7054	13623	7054	17167	12541	1023	1401	11	1755	60	3.5	1445	0.56	0.71	0.67
434	4X4	bot third (ke=0.8)	7896	0	9156	0	3240	354	852	0	3350	354	12506	354	11183	7054	13623	7054	17167	12541	1021	1401	50	1755	60	3.5	1445	0.63	0.71	0.67
435	4X4	bot third (ke=0.8)	7868	0	9128	0	1720	534	849	0	1918	534	11046	534	11789	7054	14695	7054	19430	12541	902	1586	75	1755	48	3.5	2257	0.39	0.67	0.62
436	4X4	bot third (ke=0.8)	7601	0	8861	0	1717	534	824	0	1904	534	10765	534	11789	7054	14695	7054	19430	12541	879	1586	75	1755	48	3.5	2257	0.38	0.64	0.60
437	4X4	bot third (ke=0.8)	7585	0	8845	0	1716	491	823	0	1903	491	10748	491	11789	7054	14695	7054	19430	12541	877	1586	69	1755	48	3.5	2257	0.37	0.64	0.60
438	4X4	mid third (ke=0.8)	7560	0	8820	0	2133	585	820	0	2285	585	11105	585	11233	6699	14020	6699	18592	11910	907	1518	82	1667	48	3.5	2257	0.44	0.67	0.63
439	4X4	mid third (ke=0.8)	6966	0	8226	0	2122	657	765	0	2256	657	10481	657	11233	6699	14020	6699	18592	11910	856	1518	92	1667	48	3.5	2257	0.41	0.62	0.59
440	4X4	mid third (ke=0.8)	6946	0	8206	0	2122	657	763	0	2255	657	10461	657	11233	6699	14020	6699	18592	11910	854	1518	92	1667	48	3.5	2257	0.41	0.62	0.59
441	4X4	mid third (ke=0.8)	6921	0	8181	0	2320	767	761	0	2441	767	10623	767	11233	6699	14020	6699	18592	11910	867	1518	107	1667	48	3.5	2257	0.43	0.62	0.58
442	4X4	mid third (ke=0.8)	6319	0	7579	0	2306	1137	705	0	2411	1137	9990	1137	11233	6699	14020	6699	18592	11910	816	1518	159	1667	48	3.5	2257	0.44	0.56	0.54
443	4X4	mid third (ke=0.8)	6300	0	7560	0	2305	1137	703	0	2410	1137	9970	1137	11233	6699	14020	6699	18592	11910	814	1518	159	1667	48	3.5	2257	0.44	0.56	0.54
444	4X4	top third (ke=0.8)	6275	0	7535	0	2965	838	701	0	3047	838	10581	838	10634	6319	13294	6319	17688	11233	864	1444	117	1572	48	3.5	2257	0.48	0.59	0.57
445	4X4	top third (ke=0.8)	5647	0	6907	0	2946	1501	642	0	3015	1501	9922	1501	10634	6319	13294	6319	17688	11233	810	1444	210	1572	48	3.5	2257	0.52	0.53	0.52
446	4X4	top third (ke=0.8)	5628	0	6888	0	2945	1501	641	0	3014	1501	9902	1501	10634	6319	13294	6319	17688	11233	808	1444	210	1572	48	3.5	2257	0.52	0.53	0.52
448	4X4	top third (ke=0.8)	6062	0	6782	0	372	505	631	0	732	505	7514	505	10634	6319	13294	6319	17688	11233	613	1444	71	1572	48	3.5	2257	0.24	0.57	0.51
449	4X4	top third (ke=0.8)	5898	0	6618	0	363	128	615	0	715	128	7333	128	10634	6319	13294	6319	17688	11233	599	1444	18	1572	48	3.5	2257	0.19	0.55	0.50
450	4X4	top third (ke=0.8)	1267	0	1987	0	111	128	185	0	215	128	2202	128	8621	6319	9873	6319	11256	11233	180	919	18	1572	84	3.5	737	0.05	0.15	0.20
470	4X4	bot third (ke=0.8)	7538	0	8978	0	3910	80	835	0	3998	80	12976	80	11183	7054	13623	7054	17167	12541	1059	1401	11	1755	60	3.5	1445	0.60	0.67	0.66
471	4X4	bot third (ke=0.8)	7510	0	8950	0	3912	348	832	0	4000	348	12950	348	11183	7054	13623	7054	17167	12541	1057	1401	49	1755	60	3.5	1445	0.67	0.67	0.66

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Bent B Summary - 4x4 Members

KcE = 0.3 E' = 1415250 psi
d1 = 3.5 inches d2 = 3.5 inches
S = 7.146 in^3

Element	Section	Location	DL Only Axial lbs	DL Only Moment lb*in	Dead plus Snow Load Axial lbs	Dead plus Snow Load Moment lb*in	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	Dead Load Only Allowables Axial lbs	Dead Load Only Allowables Moment lb*in	Dead Load Plus Snow Allowables Axial lbs	Dead Load Plus Snow Allowables Moment lb*in	DL + Snow + Seismic Allowables Axial lbs	DL + Snow + Seismic Allowables Moment lb*in	Applied Comp. axial stress fc psi	Allowed Comp. axial stress Fc psi	Applied Bending stress fb psi	Allowed Bending stress Fb psi	Unbraced length in	de in	FcE psi	DL + Snow +Seismic Combined Axial and Bending Ratio	Interaction Ratios note 3 Dead Load Only	Interaction Ratios note 3 Dead Load Plus Snow
472	4X4	bot third (ke=0.8)	7482	0	8922	0	3912	528	830	0	3999	528	12921	528	11789	7054	14695	7054	19430	12541	1055	1586	74	1755	48	3.5	2257	0.52	0.63	0.61
473	4X4	bot third (ke=0.8)	7215	0	8655	0	3907	528	805	0	3989	528	12644	528	11789	7054	14695	7054	19430	12541	1032	1586	74	1755	48	3.5	2257	0.50	0.61	0.59
474	4X4	bot third (ke=0.8)	7199	0	8639	0	3906	512	803	0	3988	512	12627	512	11789	7054	14695	7054	19430	12541	1031	1586	72	1755	48	3.5	2257	0.50	0.61	0.59
475	4X4	mid third (ke=0.8)	7174	0	8614	0	3906	599	801	0	3987	599	12601	599	11233	6699	14020	6699	18592	11910	1029	1518	84	1667	48	3.5	2257	0.55	0.64	0.61
476	4X4	mid third (ke=0.8)	6580	0	8020	0	3890	740	746	0	3960	740	11980	740	11233	6699	14020	6699	18592	11910	978	1518	104	1667	48	3.5	2257	0.52	0.59	0.57
477	4X4	mid third (ke=0.8)	6560	0	8000	0	3463	740	744	0	3542	740	11542	740	11233	6699	14020	6699	18592	11910	942	1518	104	1667	48	3.5	2257	0.49	0.58	0.57
478	4X4	mid third (ke=0.8)	6535	0	7975	0	3462	784	742	0	3541	784	11516	784	11233	6699	14020	6699	18592	11910	940	1518	110	1667	48	3.5	2257	0.50	0.58	0.57
479	4X4	mid third (ke=0.8)	5933	0	7373	0	3439	1168	686	0	3507	1168	10880	1168	11233	6699	14020	6699	18592	11910	888	1518	163	1667	48	3.5	2257	0.50	0.53	0.53
480	4X4	mid third (ke=0.8)	5914	0	7354	0	3245	1168	684	0	3317	1168	10670	1168	11233	6699	14020	6699	18592	11910	871	1518	163	1667	48	3.5	2257	0.49	0.53	0.52
481	4X4	top third (ke=0.8)	5889	0	7329	0	3244	820	682	0	3315	820	10644	820	10634	6319	13294	6319	17688	11233	869	1444	115	1572	48	3.5	2257	0.48	0.55	0.55
482	4X4	top third (ke=0.8)	5261	0	6701	0	3213	1569	623	0	3273	1569	9974	1569	10634	6319	13294	6319	17688	11233	814	1444	220	1572	48	3.5	2257	0.54	0.49	0.50
483	4X4	top third (ke=0.8)	5242	0	6682	0	2986	1569	621	0	3050	1569	9732	1569	10634	6319	13294	6319	17688	11233	794	1444	220	1572	48	3.5	2257	0.52	0.49	0.50
485	4X4	top third (ke=0.8)	5136	0	6576	0	877	302	612	0	1069	302	7645	302	10634	6319	13294	6319	17688	11233	624	1444	42	1572	48	3.5	2257	0.22	0.48	0.49
486	4X4	top third (ke=0.8)	4972	0	6412	0	872	168	596	0	1056	168	7468	168	10634	6319	13294	6319	17688	11233	610	1444	24	1572	48	3.5	2257	0.20	0.47	0.48
487	4X4	top third (ke=0.8)	341	0	1781	0	165	168	166	0	234	168	2014	168	8621	6319	9873	6319	11256	11233	164	919	24	1572	84	3.5	737	0.05	0.04	0.18
504	4X4	bot third (ke=0.8)	10376	0	11816	0	3784	78	1099	0	3940	78	15756	78	11355	7054	13928	7054	17796	12541	1286	1453	11	1755	57	3.5	1601	0.82	0.91	0.85
505	4X4	bot third (ke=0.8)	10355	0	11795	0	3784	347	1097	0	3939	347	15734	347	11355	7054	13928	7054	17796	12541	1284	1453	49	1755	57	3.5	1601	0.92	0.91	0.85
506	4X4	bot third (ke=0.8)	10334	0	11774	0	3783	526	1095	0	3939	526	15712	526	11789	7054	14695	7054	19430	12541	1283	1586	74	1755	48	3.5	2257	0.75	0.88	0.80
507	4X4	bot third (ke=0.8)	10067	0	11507	0	3777	526	1070	0	3926	526	15432	526	11789	7054	14695	7054	19430	12541	1260	1586	74	1755	48	3.5	2257	0.73	0.85	0.78
508	4X4	bot third (ke=0.8)	9837	0	11277	0	3771	505	1049	0	3914	505	15191	505	11789	7054	14695	7054	19430	12541	1240	1586	71	1755	48	3.5	2257	0.70	0.83	0.77
509	4X4	mid third (ke=0.8)	9535	0	10975	0	3761	619	1021	0	3897	619	14872	619	11233	6699	14020	6699	18592	11910	1214	1518	87	1667	48	3.5	2257	0.75	0.85	0.78
510	4X4	mid third (ke=0.8)	8940	0	10380	0	3740	726	965	0	3863	726	14243	726	11233	6699	14020	6699	18592	11910	1163	1518	102	1667	48	3.5	2257	0.71	0.80	0.74
511	4X4	mid third (ke=0.8)	8645	0	10085	0	3729	726	938	0	3845	726	13930	726	11233	6699	14020	6699	18592	11910	1137	1518	102	1667	48	3.5	2257	0.68	0.77	0.72
512	4X4	mid third (ke=0.8)	8344	0	9784	0	3715	800	910	0	3825	800	13609	800	11233	6699	14020	6699	18592	11910	1111	1518	112	1667	48	3.5	2257	0.67	0.74	0.70
513	4X4	mid third (ke=0.8)	7742	0	9182	0	3686	1142	854	0	3784	1142	12966	1142	11233	6699	14020	6699	18592	11910	1058	1518	160	1667	48	3.5	2257	0.67	0.69	0.65
514	4X4	mid third (ke=0.8)	7446	0	8886	0	3671	1142	826	0	3763	1142	12650	1142	11233	6699	14020	6699	18592	11910	1033	1518	160	1667	48	3.5	2257	0.64	0.66	0.63
515	4X4	top third (ke=0.8)	7145	0	8585	0	3655	813	798	0	3741	813	12326	813	10634	6319	13294	6319	17688	11233	1006	1444	114	1572	48	3.5	2257	0.62	0.67	0.65
516	4X4	top third (ke=0.8)	6518	0	7958	0	3618	1562	740	0	3693	1562	11651	1562	10634	6319	13294	6319	17688	11233	951	1444	219	1572	48	3.5	2257	0.67	0.61	0.60
517	4X4	top third (ke=0.8)	6222	0	7662	0	3600	1562	713	0	3670	1562	11333	1562	10634	6319	13294	6319	17688	11233	925	1444	219	1572	48	3.5	2257	0.65	0.59	0.58
519	4X4	top third (ke=0.8)	5662	0	7102	0	1374	197	660	0	1525	197	8626	197	10634	6319	13294	6319	17688	11233	704	1444	28	1572	48	3.5	2257	0.26	0.53	0.53
520	4X4	top third (ke=0.8)	5498	0	6938	0	1358	542	645	0	1503	542	8441	542	10634	6319	13294	6319	17688	11233	689	1444	76	1572	48	3.5	2257	0.30	0.52	0.52
521	4X4	top third (ke=0.8)	581	0	2021	0	949	476	188	0	967	476	2988	476	8621	6319	9873	6319	11256	11233	244	919	67	1572	84	3.5	737	0.13	0.07	0.20
522	4X4	top third (ke=0.8)	567	0	2007	0	3312	1173	187	0	3317	1173	5324	1173	8621	6319	9873	6319	11256	11233	435	919	164	1572	84	3.5	737	0.48	0.07	0.20
523	4X4	top third (ke=0.8)	2933	0	3653	0	3312	903	340	0	3330	903	6982	903	10634	6319	13294	6319	17688	11233	570	1444	126	1572	48	3.5	2257	0.26	0.28	0.27
524	4X4	top third (ke=0.8)	2899	0	3619	0	3311	1082	337	0	3328	1082	6947	1082	10634	6319	13294	6319	17688	11233	567	1444	151	1572	48	3.5	2257	0.28	0.27	0.27
525	4X4	top third (ke=0.8)	5217	0	6657	0	595	902	619	0	859	902	7516	902	10634	6319	13294	6319	17688	11233	614	1444	126	1572	48	3.5	2257	0.29	0.49	0.50
526	4X4	top third (ke=0.8)	5155	0	6595	0	591	704	613	0	852	704	7447	704	10634	6319	13294	6319	17688	11233	608	1444	99	1572	48	3.5	2257	0.26	0.48	0.50
527	4X4	top third (ke=0.8)	5923	0	7183	0	390	1224	668	0	773	1224	7956	1224	10634	6319	13294	6319	17688	11233	649	1444	171	1572	48	3.5	2257	0.36	0.56	0.54
528	4X4	top third (ke=0.8)	5541	0	6801	0	371	928	633	0	733	928	7535	928	10634	6319	13294	6319	17688	11233	615	1444	130	1572	48	3.5	2257	0.30	0.52	0.51
529	4X4	top third (ke=0.8)	6530	0	7430	0	61	1006	691	0	694	1006	8124	1006	10634	6319	13294	6319	17688	11233	663	1444	141	1572	48	3.5	2257	0.34	0.61	0.56
530	4X4	top third (ke=0.8)	6308	0	7208	0	374	1266	670	0	768	1266	7976	1266	10634	6319	13294	6319	17688	11233	651	1444	177	1572	48	3.5	2257	0.36	0.59	0.54
531	4X4	top third (ke=0.8)	6370	0	7270	0	374	1029	676	0	773	1029	8042	1029	10634	6319	13294	6319	17688	11233	657	1444	144	1572	48	3.5	2257	0.34	0.60	0.55
532	4X4	top third (ke=0.8)	6308	0	7208	0	2149	1431	670	0	2251	1431	9460	1431	10634	6319	13294	6319	17688	11233	772	1444	200	1572	48	3.5	2257	0.48	0.59	0.54
533	4X4	top third (ke=0.8)	5603	0	6863	0	2149	1120	638	0	2242	1120	9105	1120	10634	6319	13294	6319	17688	11233	743	1444	157	1572	48	3.5	2257	0.41	0.53	0.52
534	4X4	top third (ke=0.8)	5541	0	6801	0	2148	1476	633	0	2239	1476	9040	1476	10634	6319	13294	6319	17688	11233	738	1444	207	1572	48	3.5	2257	0.46	0.52	0.51
535	4X4	top third (ke=0.8)	5217	0	6657	0	1355	1158	619	0	1490	1158	8147	1158	10634	6319	13294	6319	17688	11233	665	1444	162	1572	48	3.5	2257	0.36	0.49	0.50
536	4X4	top third (ke=0.8)	5155	0	6595	0	1355	1434	613	0	1488	1434	8083	1434	10634	6319	13294	6319	17688	11233	660	1444	201	1572	48	3.5	2257	0.39	0.48	0.50
537	4X4	top third (ke=0.8)	5943	0	7383	0	1324	1125	687	0	1491	1125	8874	1125	10634	6319	13294	6319	17688	11233	724	1444	157	1572	48	3.5	2257	0.40	0.56	0.56
538	4X4	top third (ke=0.8)	5881	0	7321	0	1322	1353	681	0	1487	1353	8809	1353	10634	6319	13294	6319	17688	11233	719	1444	189	1572	48	3.5	2257	0.42	0.55	0.55
539	4X4	top third (ke=0.8)	5217	0	6657	0	306	1084	619	0	691	1084	7348	1084	10634	6319	13294	6319	17688	11233	600	1444	152	1572	48	3.5	2257	0.30	0.49	0.50
540	4X4	top third (ke=0.8)	5155	0	6595	0	304	1077	613	0	684	1077	7280	1077	10634	6319	13294	6319	17688	11233	594	1444	151	1572	48	3.5	2257	0.30	0.48	0.50
541	4X4	top third (ke=0.8)	5603	0	6863	0	200	941	638	0	669	941	7532	941	10634	6319	13294	6319	17688	11233	615	1444	132	1572	48	3.5	2257	0.30	0.53	0.52
542	4X4	top third (ke=0.8)	5541	0	6801	0	199	884	633	0	663	884	7464	884	10634	6319	13294	6319	17688	11233	609	1444	124	1572	48	3.5	2257	0.29	0.52	0.51
543	4X4	top third (ke=0.8)	6370	0	7270	0	143	838	676	0	691	838	7961	838	10634	6319	13294	6319	17688	11233	650	1444	117	1572	48	3.5	2257	0.31	0.60	0.55
544	4X4	top third (ke=0.8)	6308	0	7208	0	197	766	670	0	699	766	7907	766	10634	6319	13294	6319	17688	11233	645	1444	107	1572	48	3.5	2257	0.30	0.59	0.54
545	4X4	top third (ke=0.8)	6370	0	7270	0	197	778	676	0	704	778	7974	778	10634	6319	13294	6319	17688	11233	651	1444	109	1572	48	3.5	2257	0.30	0.60	0.55

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Bent B Summary - 4x4 Members

KcE = 0.3 E' = 1415250 psi
d1 = 3.5 inches d2 = 3.5 inches
S = 7.146 in^3

Element	Section	Location	DL Only Axial lbs	DL Only Moment lb*in	Dead plus Snow Load Axial lbs	Dead plus Snow Load Moment lb*in	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	Dead Load Only Allowables Axial lbs	Dead Load Only Allowables Moment lb*in	Dead Load Plus Snow Allowables Axial lbs	Dead Load Plus Snow Allowables Moment lb*in	DL + Snow + Seismic Allowables Axial lbs	DL + Snow + Seismic Allowables Moment lb*in	Applied Comp. axial stress fc psi	Allowed Comp. axial stress Fc psi	Applied Bending stress fb psi	Allowed Bending stress Fb psi	Unbraced length in	de in	FcE psi	DL + Snow +Seismic Combined Axial and Bending Ratio	Interaction Ratios note 3 Dead Load Only	Interaction Ratios note 3 Dead Load Plus Snow
546	4X4	top third (ke=0.8)	6308	0	7208	0	376	735	670	0	769	735	7977	735	10634	6319	13294	6319	17688	11233	651	1444	103	1572	48	3.5	2257	0.30	0.59	0.54
547	4X4	top third (ke=0.8)	5603	0	6863	0	376	760	638	0	741	760	7604	760	10634	6319	13294	6319	17688	11233	621	1444	106	1572	48	3.5	2257	0.28	0.53	0.52
548	4X4	top third (ke=0.8)	5541	0	6801	0	1254	912	633	0	1405	912	8206	912	10634	6319	13294	6319	17688	11233	670	1444	128	1572	48	3.5	2257	0.33	0.52	0.51
549	4X4	top third (ke=0.8)	5217	0	6657	0	1254	823	619	0	1399	823	8056	823	10634	6319	13294	6319	17688	11233	658	1444	115	1572	48	3.5	2257	0.31	0.49	0.50
550	4X4	top third (ke=0.8)	5155	0	6595	0	3581	1000	613	0	3633	1000	10228	1000	10634	6319	13294	6319	17688	11233	835	1444	140	1572	48	3.5	2257	0.48	0.48	0.50
551	4X4	top third (ke=0.8)	5922	0	7362	0	3581	852	685	0	3646	852	11007	852	10634	6319	13294	6319	17688	11233	899	1444	119	1572	48	3.5	2257	0.51	0.56	0.55
552	4X4	top third (ke=0.8)	5860	0	7300	0	3577	425	679	0	3641	425	10941	425	10634	6319	13294	6319	17688	11233	893	1444	60	1572	48	3.5	2257	0.45	0.55	0.55

Note 1: The amount of snow load taken by each column was determined based on the area of top cover around the column. For some of the columns this resulted in a 1,440 lb per column load (6'x6'x 40 psf). For other columns, the fan stack opening reduced the amount of applied snow load. This difference is accounted for in the column axial dead loads above.

Note 2: Not Used

Note 3: The DL only and DL + Snow interaction ratios shown are for P/A stress only. The moments from the DL condition are negligible. The seismic bending moments are accounted for in the table above under the combined axial and bending ratio.

Per Section 3.9.2 of reference 11, the wood members subject to both axial compression and bending shall satisfy the following equation:

$$\left(\frac{f_c}{Fc}\right)^2 + \frac{f_b}{F_b\cdot\left[1-\left(\frac{f_c}{F_{cE}}\right)\right]}$$

where fc is the applied axial stress, Fc is the allowable compressive stress, fb is the applied bending stress and FcE is defined as follows:

$$FcE = \frac{K_{cE}\cdot(E)}{\left(\frac{l}{d}\right)^2}$$

- fc and Fc are determined in the tables as applied loads. This is the same ratio as comparing the stresses.
- fb and Fb are also determined in the tables above as applied and allowable bending moments.
- KcE is defined as 0.3
- E is the modulus of elasticity adjusted for temperature and moisture and is determined in the allowable load derivation section.

Maximum Interaction Ratios		
DL + Snow + Seismic	Dead Load Only	DL + Snow
0.92	0.94	0.87

Bent B Summary - 4x4 Member Braces

Element	Section	Location	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	DL + Snow + Seismic Allowable Axial lbs	DL + Snow + Seismic Allowable Moment lb*in	Interaction Ratios DL + Snow + Seismic
20	4X4	bot third (ke=1.0)	11985	0	0	0	11985	0	11985	0	14138	12541	0.85
28	4X4	top third (ke=1.0)	4305	0	0	0	4305	0	4305	0	12015	11233	0.36
31	4X4	top third (ke=1.0)	1211	0	0	0	1211	0	1211	0	9311	11233	0.13
57	4X4	mid third (ke=1.0)	8610	0	0	0	8610	0	8610	0	15177	11910	0.57
65	4X4	top third (ke=1.0)	5174	0	0	0	5174	0	5174	0	6662	11233	0.78
67	4X4	top third (ke=1.0)	1887	0	0	0	1887	0	1887	0	12015	11233	0.16
89	4X4	mid third (ke=1.0)	6545	0	0	0	6545	0	6545	0	12340	11910	0.53
92	4X4	mid third (ke=1.0)	6057	0	0	0	6057	0	6057	0	12340	11910	0.49
101	4X4	top third (ke=1.0)	5254	0	0	0	5254	0	5254	0	6662	11233	0.79
106	4X4	mid third (ke=1.0)	4832	0	0	0	4832	0	4832	0	12340	11910	0.39
109	4X4	mid third (ke=1.0)	7792	0	0	0	7792	0	7792	0	12340	11910	0.63
133	4X4	mid third (ke=1.0)	5598	0	0	0	5598	0	5598	0	6764	11910	0.83
136	4X4	mid third (ke=1.0)	5922	0	0	0	5922	0	5922	0	7120	11910	0.83
139	4X4	top third (ke=1.0)	6519	0	0	0	6519	0	6519	0	6662	11233	0.98
165	4X4	bot third (ke=1.0)	5147	0	0	0	5147	0	5147	0	6873	12541	0.75
168	4X4	mid third (ke=1.0)	7458	0	0	0	7458	0	7458	0	15177	11910	0.49
175	4X4	top third (ke=1.0)	5740	0	0	0	5740	0	5740	0	12015	11233	0.48
198	4X4	bot third (ke=1.0)	3953	0	0	0	3953	0	3953	0	10057	12541	0.39
201	4X4	bot third (ke=1.0)	6104	0	0	0	6104	0	6104	0	6873	12541	0.89
214	4X4	top third (ke=1.0)	1811	0	0	0	1811	0	1811	0	9311	11233	0.19
235	4X4	bot third (ke=1.0)	4566	0	0	0	4566	0	4566	0	15679	12541	0.29
236	4X4	bot third (ke=1.0)	5037	0	0	0	5037	0	5037	0	15679	12541	0.32
238	4X4	bot third (ke=1.0)	5037	0	0	0	5037	0	5037	0	10057	12541	0.50
250	4X4	top third (ke=1.0)	4566	0	0	0	4566	0	4566	0	9311	11233	0.49
252	4X4	bot third (ke=1.0)	4566	0	0	0	4566	0	4566	0	15679	12541	0.29
253	4X4	bot third (ke=1.0)	4249	0	0	0	4249	0	4249	0	15679	12541	0.27
272	4X4	bot third (ke=1.0)	4476	0	0	0	4476	0	4476	0	15679	12541	0.29
273	4X4	bot third (ke=1.0)	4768	0	0	0	4768	0	4768	0	15679	12541	0.30
275	4X4	bot third (ke=1.0)	6788	0	0	0	6788	0	6788	0	10057	12541	0.67
285	4X4	top third (ke=1.0)	6788	0	0	0	6788	0	6788	0	12015	11233	0.56
289	4X4	bot third (ke=1.0)	4476	0	0	0	4476	0	4476	0	15679	12541	0.29
290	4X4	bot third (ke=1.0)	4476	0	0	0	4476	0	4476	0	15679	12541	0.29
310	4X4	bot third (ke=1.0)	3542	0	0	0	3542	0	3542	0	10057	12541	0.35
313	4X4	bot third (ke=1.0)	5572	0	0	0	5572	0	5572	0	6873	12541	0.81
323	4X4	top third (ke=1.0)	6669	0	0	0	6669	0	6669	0	6662	11233	1.00
349	4X4	bot third (ke=1.0)	4970	0	0	0	4970	0	4970	0	6873	12541	0.72
352	4X4	mid third (ke=1.0)	5574	0	0	0	5574	0	5574	0	6764	11910	0.82
355	4X4	mid third (ke=1.0)	6683	0	0	0	6683	0	6683	0	7120	11910	0.94
380	4X4	mid third (ke=1.0)	4409	0	0	0	4409	0	4409	0	12340	11910	0.36
382	4X4	mid third (ke=1.0)	6449	0	0	0	6449	0	6449	0	12340	11910	0.52
389	4X4	mid third (ke=1.0)	6027	0	0	0	6027	0	6027	0	7120	11910	0.85
396	4X4	mid third (ke=1.0)	5165	0	0	0	5165	0	5165	0	12340	11910	0.42

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Bent B Summary - 4x4 Member Braces

Element	Section	Location	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	DL + Snow + Seismic Allowable Axial lbs	DL + Snow + Seismic Allowable Moment lb*in	Interaction Ratios DL + Snow + Seismic
398	4X4	mid third (ke=1.0)	5688	0	0	0	5688	0	5688	0	12340	11910	0.46
420	4X4	bot third (ke=1.0)	5708	0	0	0	5708	0	5708	0	6873	12541	0.83
425	4X4	mid third (ke=1.0)	4766	0	0	0	4766	0	4766	0	7120	11910	0.67
428	4X4	top third (ke=1.0)	5301	0	0	0	5301	0	5301	0	6662	11233	0.80
452	4X4	bot third (ke=1.0)	4603	0	0	0	4603	0	4603	0	10057	12541	0.46
464	4X4	top third (ke=1.0)	5243	0	0	0	5243	0	5243	0	6662	11233	0.79
466	4X4	top third (ke=1.0)	2775	0	0	0	2775	0	2775	0	12015	11233	0.23
488	4X4	bot third (ke=1.0)	4651	0	0	0	4651	0	4651	0	10057	12541	0.46
499	4X4	top third (ke=1.0)	4169	0	0	0	4169	0	4169	0	12015	11233	0.35
502	4X4	top third (ke=1.0)	1304	0	0	0	1304	0	1304	0	9311	11233	0.14

Maximum Interaction Ratios
DL + Snow + Seismic
1.00

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Bent C Summary - 4x4 Members

KcE = 0.3 E' = 1415250 psi
d1 = 3.5 inches d2 = 3.5 inches
S = 7.146 in^3

Element	Section	Location	DL Only (note 1) Axial lbs	DL Only (note 1) Moment lb*in	Dead plus Snow Load Axial lbs	Dead plus Snow Load Moment lb*in	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	Dead Load Only Allowable Axial lbs	Dead Load Only Allowable Moment lb*in	Dead Load Plus Snow Allowable lbs	Dead Load Plus Snow Allowable lb*in	DL + Snow + Seismic Allowable Axial lbs	DL + Snow + Seismic Allowable Moment lb*in	Applied Comp. axial stress fc psi	Allowed Comp. axial stress Fc psi	Applied Bending stress fb psi	Allowed Bending stress Fb psi	Unbraced length in	de in	FcE psi	DL + Snow +Seismic Combined Axial and Bending Ratio	Interaction Ratios note 2 Dead Load Only	Interaction Ratios note 2 Dead Load Plus Snow
5	4X4	mid third (ke = 0.8)	5465	0	6905	0	3224	1637	642	0	3288	1637	10193	1637	11233	6699	14020	6699	18592	11910	832	1518	229	1667	48	3.5	2257	0.52	0.49	0.49
7	4X4	top third (ke = 0.8)	4388	0	5828	0	3195	1747	542	0	3241	1747	9069	1747	10634	6319	13294	6319	17688	11233	740	1444	244	1572	48	3.5	2257	0.49	0.41	0.44
8	4X4	top third (ke = 0.8)	3951	0	5391	0	3180	1236	501	0	3219	1236	8610	1236	10634	6319	13294	6319	17688	11233	703	1444	173	1572	48	3.5	2257	0.40	0.37	0.41
10	4X4	top third (ke = 0.8)	817	0	1537	0	3024	685	143	0	3027	685	4564	685	8621	6319	9873	6319	11256	11233	373	919	96	1572	84	3.5	737	0.29	0.09	0.16
11	4X4	top third (ke = 0.8)	803	0	1523	0	129	598	142	0	192	598	1715	598	8621	6319	9873	6319	11256	11233	140	919	84	1572	84	3.5	737	0.09	0.09	0.15
28	4X4	mid third (ke = 0.8)	7559	0	8999	0	3611	1689	837	0	3707	1689	12706	1689	11233	6699	14020	6699	18592	11910	1037	1518	236	1667	48	3.5	2257	0.73	0.67	0.64
30	4X4	top third (ke = 0.8)	6897	0	8337	0	3223	1852	775	0	3315	1852	11652	1852	10634	6319	13294	6319	17688	11233	951	1444	259	1572	48	3.5	2257	0.72	0.65	0.63
31	4X4	top third (ke = 0.8)	6841	0	8281	0	3216	1171	770	0	3307	1171	11588	1171	10634	6319	13294	6319	17688	11233	946	1444	164	1572	48	3.5	2257	0.61	0.64	0.62
33	4X4	top third (ke = 0.8)	838	0	2278	0	202	347	212	0	293	347	2570	347	8621	6319	9873	6319	11256	11233	210	919	49	1572	84	3.5	737	0.10	0.10	0.23
53	4X4	mid third (ke = 0.8)	8638	0	10078	0	3415	1706	937	0	3542	1706	13620	1706	11233	6699	14020	6699	18592	11910	1112	1518	239	1667	48	3.5	2257	0.82	0.77	0.72
55	4X4	top third (ke = 0.8)	7976	0	9416	0	3731	1798	876	0	3832	1798	13248	1798	10634	6319	13294	6319	17688	11233	1081	1444	252	1572	48	3.5	2257	0.87	0.75	0.71
56	4X4	top third (ke = 0.8)	7920	0	9360	0	929	1372	870	0	1273	1372	10633	1372	10634	6319	13294	6319	17688	11233	868	1444	192	1572	48	3.5	2257	0.56	0.74	0.70
58	4X4	top third (ke = 0.8)	838	0	2278	0	304	366	212	0	370	366	2648	366	8621	6319	9873	6319	11256	11233	216	919	51	1572	84	3.5	737	0.10	0.10	0.23
76	4X4	mid third (ke = 0.8)	8576	0	10016	0	1951	1545	932	0	2162	1545	12178	1545	11233	6699	14020	6699	18592	11910	994	1518	216	1667	48	3.5	2257	0.66	0.76	0.71
78	4X4	top third (ke = 0.8)	7914	0	9354	0	5761	1527	870	0	5826	1527	15180	1527	10759	6319	13512	6319	18158	11233	1239	1482	214	1572	44	3.5	2686	0.95	0.74	0.69
79	4X4	top third (ke = 0.8)	7858	0	9298	0	429	1759	865	0	965	1759	10263	1759	10634	6319	13294	6319	17688	11233	838	1444	246	1572	48	3.5	2257	0.59	0.74	0.70
81	4X4	top third (ke = 0.8)	1259	0	2699	0	154	384	251	0	295	384	2993	384	8621	6319	9873	6319	11256	11233	244	919	54	1572	84	3.5	737	0.12	0.15	0.27
101	4X4	mid third (ke = 0.8)	8370	0	9810	0	1096	1390	912	0	1426	1390	11236	1390	11233	6699	14020	6699	18592	11910	917	1518	194	1667	48	3.5	2257	0.56	0.75	0.70
103	4X4	top third (ke = 0.8)	7708	0	9148	0	3084	1638	851	0	3199	1638	12347	1638	10634	6319	13294	6319	17688	11233	1008	1444	229	1572	48	3.5	2257	0.75	0.72	0.69
104	4X4	top third (ke = 0.8)	7652	0	9092	0	808	1390	846	0	1169	1390	10261	1390	10634	6319	13294	6319	17688	11233	838	1444	194	1572	48	3.5	2257	0.53	0.72	0.68
106	4X4	top third (ke = 0.8)	1259	0	2699	0	304	399	251	0	394	399	3092	399	8621	6319	9873	6319	11256	11233	252	919	56	1572	84	3.5	737	0.13	0.15	0.27
125	4X4	mid third (ke = 0.8)	8030	0	9470	0	2771	1499	881	0	2908	1499	12378	1499	11233	6699	14020	6699	18592	11910	1010	1518	210	1667	48	3.5	2257	0.67	0.71	0.68
127	4X4	top third (ke = 0.8)	7368	0	8808	0	3143	1813	819	0	3248	1813	12055	1813	10634	6319	13294	6319	17688	11233	984	1444	254	1572	48	3.5	2257	0.75	0.69	0.66
128	4X4	top third (ke = 0.8)	7312	0	8752	0	3137	1177	814	0	3241	1177	11992	1177	10634	6319	13294	6319	17688	11233	979	1444	165	1572	48	3.5	2257	0.64	0.69	0.66
130	4X4	top third (ke = 0.8)	838	0	2278	0	259	408	212	0	335	408	2612	408	8621	6319	9873	6319	11256	11233	213	919	57	1572	84	3.5	737	0.10	0.10	0.23
150	4X4	mid third (ke = 0.8)	7559	0	8999	0	3361	1474	837	0	3464	1474	12463	1474	11233	6699	14020	6699	18592	11910	1017	1518	206	1667	48	3.5	2257	0.67	0.67	0.64
152	4X4	top third (ke = 0.8)	6897	0	8337	0	2932	1896	775	0	3033	1896	11369	1896	10634	6319	13294	6319	17688	11233	928	1444	265	1572	48	3.5	2257	0.70	0.65	0.63
153	4X4	top third (ke = 0.8)	6841	0	8281	0	2924	1194	770	0	3024	1194	11305	1194	10634	6319	13294	6319	17688	11233	923	1444	167	1572	48	3.5	2257	0.59	0.64	0.62
155	4X4	top third (ke = 0.8)	838	0	2278	0	2616	944	212	0	2624	944	4902	944	8621	6319	9873	6319	11256	11233	400	919	132	1572	84	3.5	737	0.37	0.10	0.23
156	4X4	top third (ke = 0.8)	823	0	2263	0	256	824	210	0	331	824	2594	824	8621	6319	9873	6319	11256	11233	212	919	115	1572	84	3.5	737	0.16	0.10	0.23
172	4X4	mid third (ke = 0.8)	8724	0	10164	0	0	1396	945	0	945	1396	11110	1396	11233	6699	14020	6699	18592	11910	907	1518	195	1667	48	3.5	2257	0.55	0.78	0.72
174	4X4	top third (ke = 0.8)	7515	0	8955	0	0	1920	833	0	833	1920	9787	1920	10634	6319	13294	6319	17688	11233	799	1444	269	1572	48	3.5	2257	0.57	0.71	0.67
175	4X4	top third (ke = 0.8)	7107	0	8547	0	0	1137	795	0	795	1137	9342	1137	10634	6319	13294	6319	17688	11233	763	1444	159	1572	48	3.5	2257	0.43	0.67	0.64
177	4X4	top third (ke = 0.8)	838	0	2278	0	0	343	212	0	212	343	2489	343	8621	6319	9873	6319	11256	11233	203	919	48	1572	84	3.5	737	0.09	0.10	0.23
193	4X4	mid third (ke = 0.8)	7559	0	8999	0	3285	1384	837	0	3390	1384	12390	1384	11233	6699	14020	6699	18592	11910	1011	1518	194	1667	48	3.5	2257	0.65	0.67	0.64
195	4X4	top third (ke = 0.8)	6897	0	8337	0	2933	2000	775	0	3034	2000	11371	2000	10634	6319	13294	6319	17688	11233	928	1444	280	1572	48	3.5	2257	0.72	0.65	0.63
196	4X4	top third (ke = 0.8)	6841	0	8281	0	2926	978	770	0	3026	978	11307	978	10634	6319	13294	6319	17688	11233	923	1444	137	1572	48	3.5	2257	0.56	0.64	0.62
198	4X4	top third (ke = 0.8)	838	0	2278	0	2626	1010	212	0	2634	1010	4912	1010	8621	6319	9873	6319	11256	11233	401	919	141	1572	84	3.5	737	0.39	0.10	0.23
199	4X4	top third (ke = 0.8)	823	0	2263	0	241	881	210	0	320	881	2583	881	8621	6319	9873	6319	11256	11233	211	919	123	1572	84	3.5	737	0.16	0.10	0.23
220	4X4	mid third (ke = 0.8)	7559	0	8999	0	2199	1341	837	0	2353	1341	11352	1341	11233	6699	14020	6699	18592	11910	927	1518	188	1667	48	3.5	2257	0.56	0.67	0.64
222	4X4	top third (ke = 0.8)	6897	0	8337	0	2485	2051	775	0	2603	2051	10939	2051	10634	6319	13294	6319	17688	11233	893	1444	287	1572	48	3.5	2257	0.68	0.65	0.63
223	4X4	top third (ke = 0.8)	6841	0	8281	0	2479	1054	770	0	2596	1054	10876	1054	10634	6319	13294	6319	17688	11233	888	1444	148	1572	48	3.5	2257	0.53	0.64	0.62
225	4X4	top third (ke = 0.8)	838	0	2278	0	250	454	212	0	327	454	2605	454	8621	6319	9873	6319	11256	11233	213	919	64	1572	84	3.5	737	0.11	0.10	0.23
243	4X4	mid third (ke = 0.8)	7980	0	9420	0	1774	1201	876	0	1978	1201	11399	1201	11233	6699	14020	6699	18592	11910	930	1518	168	1667	48	3.5	2257	0.55	0.71	0.67

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic
Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Bent C Summary - 4x4 Members

KcE = 0.3 E' = 1415250 psi
d1 = 3.5 inches d2 = 3.5 inches
S = 7.146 in^3

Element	Section	Location	DL Only (note 1) Axial lbs	DL Only (note 1) Moment lb*in	Dead plus Snow Load Axial lbs	Dead plus Snow Load Moment lb*in	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	Dead Load Only Allowable Axial lbs	Dead Load Only Allowable Moment lb*in	Dead Load Plus Snow Allowable lbs	Dead Load Plus Snow Allowable lb*in	DL + Snow + Seismic Allowable Axial lbs	DL + Snow + Seismic Allowable Moment lb*in	Applied Comp. axial stress fc psi	Allowed Comp. axial stress Fc psi	Applied Bending stress fb psi	Allowed Bending stress Fb psi	Unbraced length in	de in	FcE psi	DL + Snow +Seismic Combined Axial and Bending Ratio	Interaction Ratios note 2 Dead Load Only	Interaction Ratios note 2 Dead Load Plus Snow
245	4X4	top third (ke = 0.8)	7318	0	8758	0	3499	2045	814	0	3593	2045	12351	2045	10634	6319	13294	6319	17688	11233	1008	1444	286	1572	48	3.5	2257	0.82	0.69	0.66
246	4X4	top third (ke = 0.8)	7262	0	8702	0	595	1130	809	0	1004	1130	9706	1130	10634	6319	13294	6319	17688	11233	792	1444	158	1572	48	3.5	2257	0.46	0.68	0.65
248	4X4	top third (ke = 0.8)	1259	0	2699	0	230	482	251	0	340	482	3039	482	8621	6319	9873	6319	11256	11233	248	919	67	1572	84	3.5	737	0.14	0.15	0.27
268	4X4	mid third (ke = 0.8)	7980	0	9420	0	2054	1357	876	0	2233	1357	11654	1357	11233	6699	14020	6699	18592	11910	951	1518	190	1667	48	3.5	2257	0.59	0.71	0.67
270	4X4	top third (ke = 0.8)	7318	0	8758	0	5021	2155	814	0	5087	2155	13844	2155	10634	6319	13294	6319	17688	11233	1130	1444	302	1572	48	3.5	2257	1.00	0.69	0.66
271	4X4	top third (ke = 0.8)	7262	0	8702	0	556	1166	809	0	982	1166	9684	1166	10634	6319	13294	6319	17688	11233	791	1444	163	1572	48	3.5	2257	0.46	0.68	0.65
273	4X4	top third (ke = 0.8)	1259	0	2699	0	219	504	251	0	333	504	3031	504	8621	6319	9873	6319	11256	11233	247	919	70	1572	84	3.5	737	0.14	0.15	0.27
291	4X4	mid third (ke = 0.8)	7559	0	8999	0	4882	1571	837	0	4953	1571	13952	1571	11374	6699	14267	6699	19124	11910	1139	1561	220	1667	44	3.5	2686	0.76	0.66	0.63
293	4X4	top third (ke = 0.8)	6897	0	8337	0	5564	2508	775	0	5618	2508	13954	2508	10759	6319	13512	6319	18158	11233	1139	1482	351	1572	44	3.5	2686	0.98	0.64	0.62
294	4X4	top third (ke = 0.8)	6841	0	8281	0	2779	1623	770	0	2884	1623	11165	1623	10634	6319	13294	6319	17688	11233	911	1444	227	1572	48	3.5	2257	0.64	0.64	0.62
296	4X4	top third (ke = 0.8)	838	0	2278	0	287	518	212	0	357	518	2634	518	8621	6319	9873	6319	11256	11233	215	919	73	1572	84	3.5	737	0.12	0.10	0.23
316	4X4	mid third (ke = 0.8)	7559	0	8999	0	2991	1607	837	0	3106	1607	12105	1607	11233	6699	14020	6699	18592	11910	988	1518	225	1667	48	3.5	2257	0.66	0.67	0.64
318	4X4	top third (ke = 0.8)	6897	0	8337	0	2274	2597	775	0	2402	2597	10739	2597	10634	6319	13294	6319	17688	11233	877	1444	363	1572	48	3.5	2257	0.75	0.65	0.63
319	4X4	top third (ke = 0.8)	6841	0	8281	0	2267	1710	770	0	2394	1710	10675	1710	10634	6319	13294	6319	17688	11233	871	1444	239	1572	48	3.5	2257	0.61	0.64	0.62
321	4X4	top third (ke = 0.8)	838	0	2278	0	198	473	212	0	290	473	2567	473	8621	6319	9873	6319	11256	11233	210	919	66	1572	84	3.5	737	0.11	0.10	0.23
338	4X4	mid third (ke = 0.8)	8682	0	10122	0	3596	1532	941	0	3717	1532	13839	1532	11374	6699	14267	6699	19124	11910	1130	1561	214	1667	44	3.5	2686	0.75	0.76	0.71
340	4X4	top third (ke = 0.8)	7486	0	8926	0	3552	2525	830	0	3648	2525	12574	2525	10759	6319	13512	6319	18158	11233	1026	1482	353	1572	44	3.5	2686	0.84	0.70	0.66
341	4X4	top third (ke = 0.8)	7086	0	8526	0	3534	1607	793	0	3621	1607	12147	1607	10634	6319	13294	6319	17688	11233	992	1444	225	1572	48	3.5	2257	0.73	0.67	0.64
343	4X4	top third (ke = 0.8)	830	0	2270	0	3241	1026	211	0	3248	1026	5519	1026	8621	6319	9873	6319	11256	11233	450	919	144	1572	84	3.5	737	0.48	0.10	0.23
344	4X4	top third (ke = 0.8)	816	0	2256	0	239	896	210	0	318	896	2574	896	8621	6319	9873	6319	11256	11233	210	919	125	1572	84	3.5	737	0.16	0.09	0.23
437	4X4	mid third (ke = 0.8)	6011	0	7451	0	3233	1770	693	0	3306	1770	10757	1770	11374	6699	14267	6699	19124	11910	878	1561	248	1667	44	3.5	2686	0.54	0.53	0.52
438	4X4	mid third (ke = 0.8)	5569	0	7009	0	3227	1637	652	0	3292	1637	10301	1637	11374	6699	14267	6699	19124	11910	841	1561	229	1667	44	3.5	2686	0.49	0.49	0.49
439	4X4	mid third (ke = 0.8)	7988	0	9428	0	3622	1877	877	0	3727	1877	13155	1877	11374	6699	14267	6699	19124	11910	1074	1561	263	1667	44	3.5	2686	0.74	0.70	0.66
440	4X4	mid third (ke = 0.8)	7588	0	9028	0	3614	1689	840	0	3711	1689	12738	1689	11374	6699	14267	6699	19124	11910	1040	1561	236	1667	44	3.5	2686	0.68	0.67	0.63
441	4X4	mid third (ke = 0.8)	9067	0	10507	0	3061	1840	977	0	3213	1840	13720	1840	11374	6699	14267	6699	19124	11910	1120	1561	257	1667	44	3.5	2686	0.78	0.80	0.74
442	4X4	mid third (ke = 0.8)	8667	0	10107	0	3053	1706	940	0	3195	1706	13301	1706	11374	6699	14267	6699	19124	11910	1086	1561	239	1667	44	3.5	2686	0.72	0.76	0.71
443	4X4	mid third (ke = 0.8)	9005	0	10445	0	1955	1626	971	0	2183	1626	12629	1626	11374	6699	14267	6699	19124	11910	1031	1561	228	1667	44	3.5	2686	0.66	0.79	0.73
444	4X4	mid third (ke = 0.8)	8605	0	10045	0	1952	1545	934	0	2164	1545	12209	1545	11374	6699	14267	6699	19124	11910	997	1561	216	1667	44	3.5	2686	0.61	0.76	0.70
445	4X4	mid third (ke = 0.8)	8799	0	10239	0	1106	1494	952	0	1460	1494	11699	1494	11374	6699	14267	6699	19124	11910	955	1561	209	1667	44	3.5	2686	0.57	0.77	0.72
446	4X4	mid third (ke = 0.8)	8399	0	9839	0	1099	1390	915	0	1430	1390	11269	1390	11374	6699	14267	6699	19124	11910	920	1561	194	1667	44	3.5	2686	0.52	0.74	0.69
447	4X4	mid third (ke = 0.8)	8459	0	9899	0	2318	1586	921	0	2494	1586	12393	1586	11374	6699	14267	6699	19124	11910	1012	1561	222	1667	44	3.5	2686	0.63	0.74	0.69
448	4X4	mid third (ke = 0.8)	8059	0	9499	0	2310	1499	883	0	2473	1499	11972	1499	11374	6699	14267	6699	19124	11910	977	1561	210	1667	44	3.5	2686	0.59	0.71	0.67
449	4X4	mid third (ke = 0.8)	7988	0	9428	0	3372	1579	877	0	3484	1579	12912	1579	11374	6699	14267	6699	19124	11910	1054	1561	221	1667	44	3.5	2686	0.67	0.70	0.66
450	4X4	mid third (ke = 0.8)	7588	0	9028	0	3364	1474	840	0	3467	1474	12495	1474	11374	6699	14267	6699	19124	11910	1020	1561	206	1667	44	3.5	2686	0.63	0.67	0.63
451	4X4	mid third (ke = 0.8)	9347	0	10787	0	0	1475	1003	0	1003	1475	11790	1475	11374	6699	14267	6699	19124	11910	962	1561	206	1667	44	3.5	2686	0.57	0.82	0.76
452	4X4	mid third (ke = 0.8)	8947	0	10387	0	0	1396	966	0	966	1396	11353	1396	11374	6699	14267	6699	19124	11910	927	1561	195	1667	44	3.5	2686	0.53	0.79	0.73
453	4X4	mid third (ke = 0.8)	7988	0	9428	0	3414	1474	877	0	3525	1474	12953	1474	11374	6699	14267	6699	19124	11910	1057	1561	206	1667	44	3.5	2686	0.66	0.70	0.66
454	4X4	mid third (ke = 0.8)	7588	0	9028	0	3407	1384	840	0	3509	1384	12536	1384	11374	6699	14267	6699	19124	11910	1023	1561	194	1667	44	3.5	2686	0.62	0.67	0.63
455	4X4	mid third (ke = 0.8)	7988	0	9428	0	2209	1397	877	0	2377	1397	11805	1397	11374	6699	14267	6699	19124	11910	964	1561	195	1667	44	3.5	2686	0.56	0.70	0.66
456	4X4	mid third (ke = 0.8)	7588	0	9028	0	2202	1341	840	0	2357	1341	11384	1341	11374	6699	14267	6699	19124	11910	929	1561	188	1667	44	3.5	2686	0.53	0.67	0.63
457	4X4	mid third (ke = 0.8)	8409	0	9849	0	1779	1195	916	0	2001	1195	11851	1195	11374	6699	14267	6699	19124	11910	967	1561	167	1667	44	3.5	2686	0.54	0.74	0.69
458	4X4	mid third (ke = 0.8)	8009	0	9449	0	1775	1201	879	0	1981	1201	11430	1201	11374	6699	14267	6699	19124	11910	933	1561	168	1667	44	3.5	2686	0.51	0.70	0.66
459	4X4	mid third (ke = 0.8)	8409	0	9849	0	2059	1319	916	0	2254	1319	12103	1319	11374	6699	14267	6699	19124	11910	988	1561	185	1667	44	3.5	2686	0.58	0.74	0.69
460	4X4	mid third (ke = 0.8)	8009	0	9449	0	2056	1357	879	0	2236	1357	11685	1357	11374	6699	14267	6699	19124	11910	954	1561	190	1667	44	3.5	2686	0.55	0.70	0.66
461	4X4	mid third (ke = 0.8)	7988	0	9428	0	4893	1538	877	0	4971	1538	14399	1538	11374	6699	14267	6699	19124	11910	1175	1561	215	1667	44	3.5	2686	0.80	0.70	0.66
462	4X4	mid third (ke = 0.8)	7588	0	9028	0	4885	1571	840	0	4957	1571	13985	1571	11374	6699	14267	6699	19124	11910	1142	1561	220	1667	44	3.5	2686	0.76	0.67	0.63
463	4X4	mid third (ke = 0.8)	7988	0	9428	0	3407	1560	877	0	3518	1560	12946	1560	11374	6699	14267	6699	19124	11910	1057	1561	218	1667	44	3.5	2686	0.67	0.70	0.66
464	4X4	mid third (ke = 0.8)	7588	0	9028	0	3400	1607	840	0	3502	1607	12530	1607	11374	6699	14267	6699	19124	11910	1023	1561	225	1667	44	3.5	2686	0.65	0.67	0.63
465	4X4	mid third (ke = 0.8)	9298	0	10738	0	3609	1449	999	0	3744	1449	14482	1449	11374	6699	14267	6699	19124	11910	1182	1561	203	1667	44	3.5	2686	0.79	0.82	0.75
466	4X4	mid third (ke = 0.8)	8898	0	10338	0	3602	1532	961	0	3728	1532	14066	1532	11374	6699	14267	6699	19124	11910	1148	1561	214	1667	44	3.5	2686	0.77	0.78	0.72
482	4X4	top third (ke = 0.8)	5082	0	6522	0	3215	1252	607	0	3272	1252	9794	1252	10759	6319	13512	6319	18158	11233	800	1482	175	1572	44	3.5	2686	0.45	0.47	0.48
483	4X4	top third (ke = 0.8)	4554	0	5994	0	3201	1747	557	0	3249	1747	9243	1747	10759	6319	13512	6319	18158	11233	755	1482	244	1572	44	3.5	2686	0.48	0.42	0.44
484	4X4	top third (ke = 0.8)	7514	0	8954	0	3607	1276	833	0	3702	1276	12656	1276	10759	6319	13512	6319	18158	11233	1033	1482	179	1572	44	3.5	2686	0.67	0.70	0.66
485	4X4	top third (ke = 0.8)	6942	0	8382	0	3586	1852	780	0	3669	1852	12051	1852	10759	6319	13512	6319	18158	11233	984	1482	259	1572	44	3.5	2686	0.70	0.65	0.62
486	4X4	top third (ke = 0.8)	8594	0	10034	0	3758	1292	933	0	3872	1292	13906	1292	10759	6319	13512	6319	18158	11233	1135	1482	181	1572	44	3.5	2686	0.79	0.80	0.74

JOB NO. 1356711
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JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Bent C Summary - 4x4 Members

KcE = 0.3 E' = 1415250 psi
d1 = 3.5 inches d2 = 3.5 inches
S = 7.146 in^3

Element	Section	Location	DL Only (note 1) Axial lbs	DL Only (note 1) Moment lb*in	Dead plus Snow Load Axial lbs	Dead plus Snow Load Moment lb*in	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	Dead Load Only Allowable Axial lbs	Dead Load Only Allowable Moment lb*in	Dead Load Plus Snow Allowable lbs	Dead Load Plus Snow Allowable lb*in	DL + Snow + Seismic Allowable Axial lbs	DL + Snow + Seismic Allowable Moment lb*in	Applied Comp. axial stress fc psi	Allowed Comp. axial stress Fc psi	Applied Bending stress fb psi	Allowed Bending stress Fb psi	Unbraced length in	de in	FcE psi	DL + Snow +Seismic Combined Axial and Bending Ratio	Interaction Ratios note 2 Dead Load Only	Interaction Ratios note 2 Dead Load Plus Snow	
487	4X4	top third (ke = 0.8)	8021	0	9461	0	3736	1798	880	0	3839	1798	13300	1798	10759	6319	13512	6319	18158	11233	1086	1482	252	1572	44	3.5	2686	0.81	0.75	0.70	
488	4X4	mid third (ke = 0.8)	8531	0	9971	0	5776	1187	927	0	5850	1187	15822	1187	11374	6699	14267	6699	19124	11910	1292	1561	166	1667	44	3.5	2686	0.88	0.75	0.70	Note 3
489	4X4	mid third (ke = 0.8)	7959	0	9399	0	5765	1527	874	0	5830	1527	15229	1527	11374	6699	14267	6699	19124	11910	1243	1561	214	1667	44	3.5	2686	0.87	0.70	0.66	
490	4X4	top third (ke = 0.8)	8325	0	9765	0	3097	1144	908	0	3227	1144	12993	1144	10759	6319	13512	6319	18158	11233	1061	1482	160	1572	44	3.5	2686	0.68	0.77	0.72	
491	4X4	top third (ke = 0.8)	7753	0	9193	0	3087	1638	855	0	3203	1638	12396	1638	10759	6319	13512	6319	18158	11233	1012	1482	229	1572	44	3.5	2686	0.70	0.72	0.68	
492	4X4	top third (ke = 0.8)	7985	0	9425	0	3166	1193	877	0	3285	1193	12710	1193	10759	6319	13512	6319	18158	11233	1038	1482	167	1572	44	3.5	2686	0.66	0.74	0.70	
493	4X4	top third (ke = 0.8)	7413	0	8853	0	3148	1813	823	0	3253	1813	12107	1813	10759	6319	13512	6319	18158	11233	988	1482	254	1572	44	3.5	2686	0.70	0.69	0.66	
494	4X4	top third (ke = 0.8)	7514	0	8954	0	3356	1178	833	0	3458	1178	12413	1178	10759	6319	13512	6319	18158	11233	1013	1482	165	1572	44	3.5	2686	0.64	0.70	0.66	
495	4X4	top third (ke = 0.8)	6942	0	8382	0	3334	1896	780	0	3424	1896	11806	1896	10759	6319	13512	6319	18158	11233	964	1482	265	1572	44	3.5	2686	0.69	0.65	0.62	
496	4X4	top third (ke = 0.8)	8432	0	9872	0	0	1187	918	0	918	1187	10791	1187	10759	6319	13512	6319	18158	11233	881	1482	166	1572	44	3.5	2686	0.51	0.78	0.73	
497	4X4	top third (ke = 0.8)	7860	0	9300	0	0	1920	865	0	865	1920	10165	1920	10759	6319	13512	6319	18158	11233	830	1482	269	1572	44	3.5	2686	0.56	0.73	0.69	
498	4X4	top third (ke = 0.8)	7514	0	8954	0	3281	1167	833	0	3385	1167	12339	1167	10759	6319	13512	6319	18158	11233	1007	1482	163	1572	44	3.5	2686	0.63	0.70	0.66	
499	4X4	top third (ke = 0.8)	6942	0	8382	0	3259	2000	780	0	3351	2000	11733	2000	10759	6319	13512	6319	18158	11233	958	1482	280	1572	44	3.5	2686	0.69	0.65	0.62	
500	4X4	top third (ke = 0.8)	7514	0	8954	0	2508	1158	833	0	2642	1158	11597	1158	10759	6319	13512	6319	18158	11233	947	1482	162	1572	44	3.5	2686	0.57	0.70	0.66	
501	4X4	top third (ke = 0.8)	6942	0	8382	0	2489	2051	780	0	2609	2051	10991	2051	10759	6319	13512	6319	18158	11233	897	1482	287	1572	44	3.5	2686	0.64	0.65	0.62	
502	4X4	top third (ke = 0.8)	7935	0	9375	0	3512	1080	872	0	3619	1080	12994	1080	10759	6319	13512	6319	18158	11233	1061	1482	151	1572	44	3.5	2686	0.67	0.74	0.69	
503	4X4	top third (ke = 0.8)	7363	0	8803	0	3502	2045	819	0	3597	2045	12400	2045	10759	6319	13512	6319	18158	11233	1012	1482	286	1572	44	3.5	2686	0.76	0.68	0.65	
504	4X4	top third (ke = 0.8)	7935	0	9375	0	5037	1250	872	0	5112	1250	14487	1250	10759	6319	13512	6319	18158	11233	1183	1482	175	1572	44	3.5	2686	0.84	0.74	0.69	Note 3
505	4X4	top third (ke = 0.8)	7363	0	8803	0	5025	2155	819	0	5091	2155	13894	2155	10759	6319	13512	6319	18158	11233	1134	1482	302	1572	44	3.5	2686	0.92	0.68	0.65	
506	4X4	top third (ke = 0.8)	7514	0	8954	0	5595	1473	833	0	5656	1473	14611	1473	10759	6319	13512	6319	18158	11233	1193	1482	206	1572	44	3.5	2686	0.88	0.70	0.66	
507	4X4	top third (ke = 0.8)	6942	0	8382	0	5570	2508	780	0	5625	2508	14007	2508	10759	6319	13512	6319	18158	11233	1143	1482	351	1572	44	3.5	2686	0.98	0.65	0.62	
508	4X4	top third (ke = 0.8)	7514	0	8954	0	2987	1527	833	0	3101	1527	12055	1527	10759	6319	13512	6319	18158	11233	984	1482	214	1572	44	3.5	2686	0.66	0.70	0.66	
509	4X4	top third (ke = 0.8)	6942	0	8382	0	2967	2597	780	0	3068	2597	11450	2597	10759	6319	13512	6319	18158	11233	935	1482	363	1572	44	3.5	2686	0.75	0.65	0.62	
510	4X4	top third (ke = 0.8)	8397	0	9837	0	3586	1463	915	0	3701	1463	13538	1463	10759	6319	13512	6319	18158	11233	1105	1482	205	1572	44	3.5	2686	0.78	0.78	0.73	
511	4X4	top third (ke = 0.8)	7825	0	9265	0	3566	2525	862	0	3668	2525	12933	2525	10759	6319	13512	6319	18158	11233	1056	1482	353	1572	44	3.5	2686	0.88	0.73	0.69	
527	4X4	top third (ke = 0.8)	3581	0	5021	0	3165	1236	467	0	3200	1236	8220	1236	10634	6319	13294	6319	17688	11233	671	1444	173	1572	48	3.5	2257	0.37	0.34	0.38	
528	4X4	top third (ke = 0.8)	3048	0	4488	0	3143	685	417	0	3171	685	7659	685	10634	6319	13294	6319	17688	11233	625	1444	96	1572	48	3.5	2257	0.27	0.29	0.34	
529	4X4	top third (ke = 0.8)	6781	0	8221	0	2582	1171	765	0	2693	1171	10914	1171	10634	6319	13294	6319	17688	11233	891	1444	164	1572	48	3.5	2257	0.55	0.64	0.62	
530	4X4	top third (ke = 0.8)	6334	0	7774	0	2602	347	723	0	2701	347	10474	347	10634	6319	13294	6319	17688	11233	855	1444	49	1572	48	3.5	2257	0.40	0.60	0.58	
531	4X4	top third (ke = 0.8)	7860	0	9300	0	918	1372	865	0	1262	1372	10561	1372	10634	6319	13294	6319	17688	11233	862	1444	192	1572	48	3.5	2257	0.55	0.74	0.70	
532	4X4	top third (ke = 0.8)	7413	0	8853	0	870	366	823	0	1198	366	10050	366	10634	6319	13294	6319	17688	11233	820	1444	51	1572	48	3.5	2257	0.37	0.70	0.67	
533	4X4	top third (ke = 0.8)	7798	0	9238	0	424	1759	859	0	958	1759	10196	1759	10634	6319	13294	6319	17688	11233	832	1444	246	1572	48	3.5	2257	0.58	0.73	0.69	
534	4X4	top third (ke = 0.8)	7351	0	8791	0	401	416	818	0	911	416	9701	416	10634	6319	13294	6319	17688	11233	792	1444	58	1572	48	3.5	2257	0.36	0.69	0.66	
535	4X4	top third (ke = 0.8)	7592	0	9032	0	798	1390	840	0	1159	1390	10191	1390	10634	6319	13294	6319	17688	11233	832	1444	194	1572	48	3.5	2257	0.53	0.71	0.68	
536	4X4	top third (ke = 0.8)	7145	0	8585	0	756	399	798	0	1099	399	9684	399	10634	6319	13294	6319	17688	11233	791	1444	56	1572	48	3.5	2257	0.35	0.67	0.65	
537	4X4	top third (ke = 0.8)	7252	0	8692	0	2255	1177	808	0	2396	1177	11088	1177	10634	6319	13294	6319	17688	11233	905	1444	165	1572	48	3.5	2257	0.57	0.68	0.65	
538	4X4	top third (ke = 0.8)	6805	0	8245	0	2261	408	767	0	2387	408	10632	408	10634	6319	13294	6319	17688	11233	868	1444	57	1572	48	3.5	2257	0.42	0.64	0.62	
539	4X4	top third (ke = 0.8)	6781	0	8221	0	2918	1194	765	0	3016	1194	11237	1194	10634	6319	13294	6319	17688	11233	917	1444	167	1572	48	3.5	2257	0.58	0.64	0.62	
540	4X4	top third (ke = 0.8)	6334	0	7774	0	2889	944	723	0	2978	944	10751	944	10634	6319	13294	6319	17688	11233	878	1444	132	1572	48	3.5	2257	0.51	0.60	0.58	
541	4X4	top third (ke = 0.8)	6781	0	8221	0	0	1137	765	0	765	1137	8985	1137	10634	6319	13294	6319	17688	11233	734	1444	159	1572	48	3.5	2257	0.41	0.64	0.62	
542	4X4	top third (ke = 0.8)	6334	0	7774	0	0	343	723	0	723	343	8496	343	10634	6319	13294	6319	17688	11233	694	1444	48	1572	48	3.5	2257	0.27	0.60	0.58	
543	4X4	top third (ke = 0.8)	6781	0	8221	0	2920	978	765	0	3018	978	11239	978	10634	6319	13294	6319	17688	11233	917	1444	137	1572	48	3.5	2257	0.55	0.64	0.62	
544	4X4	top third (ke = 0.8)	6334	0	7774	0	2892	1010	723	0	2981	1010	10754	1010	10634	6319	13294	6319	17688	11233	878	1444	141	1572	48	3.5	2257	0.52	0.60	0.58	
545	4X4	top third (ke = 0.8)	6781	0	8221	0	2291	734	765	0	2416	734	10636	734	10634	6319	13294	6319	17688	11233	868	1444	103	1572	48	3.5	2257	0.47	0.64	0.62	
546	4X4	top third (ke = 0.8)	6334	0	7774	0	2297	454	723	0	2408	454	10181	454	10634	6319	13294	6319	17688	11233	831	1444	64	1572	48	3.5	2257	0.40	0.60	0.58	
547	4X4	top third (ke = 0.8)	7202	0	8642	0	588	658	804	0	996	658	9637	658	10634	6319	13294	6319	17688	11233	787	1444	92	1572	48	3.5	2257	0.39	0.68	0.65	
548	4X4	top third (ke = 0.8)	6755	0	8195	0	555	482	762	0	943	482	9137	482	10634	6319	13294	6319	17688	11233	746	1444	67	1572	48	3.5	2257	0.33	0.64	0.62	
549	4X4	top third (ke = 0.8)	7202	0	8642	0	550	616	804	0	974	616	9616	616	10634	6319	13294	6319	17688	11233	785	1444	86	1572	48	3.5	2257	0.38	0.68	0.65	
550	4X4	top third (ke = 0.8)	6755	0	8195	0	520	504	762	0	923	504	9117	504	10634	6319	13294	6319	17688	11233	744	1444	70	1572	48	3.5	2257	0.33	0.64	0.62	
551	4X4	top third (ke = 0.8)	6781	0	8221	0	786	175	765	0	1097	175	9317	175	10634	6319	13294	6319	17688	11233	761	1444	24	1572	48	3.5	2257	0.30	0.64	0.62	

JOB NO. 1356711
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REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Bent C Summary - 4x4 Members

KcE = 0.3 d1 = 3.5 inches E' = 1415250 psi d2 = 3.5 inches S = 7.146 in^3

Element	Section	Location	DL Only (note 1) Axial lbs	DL Only (note 1) Moment lb*in	Dead plus Snow Load Axial lbs	Dead plus Snow Load Moment lb*in	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	Dead Load Only Allowable Axial lbs	Dead Load Only Allowable Moment lb*in	Dead Load Plus Snow Allowable lbs	Dead Load Plus Snow Allowable lbs	DL + Snow + Seismic Allowable Axial lbs	DL + Snow + Seismic Allowable Moment lb*in	Applied Comp. axial stress fc psi	Allowed Comp. axial stress Fc psi	Applied Bending stress fb psi	Allowed Bending stress Fb psi	Unbraced length in	de in	FcE psi	DL + Snow +Seismic Combined Axial and Bending Ratio	Interaction Ratios note 2 Dead Load Only	Interaction Ratios note 2 Dead Load Plus Snow
552	4X4	top third (ke = 0.8)	6334	0	7774	0	741	518	723	0	1035	518	8809	518	10634	6319	13294	6319	17688	11233	719	1444	73	1572	48	3.5	2257	0.32	0.60	0.58
553	4X4	top third (ke = 0.8)	6781	0	8221	0	2817	122	765	0	2919	122	11140	122	10634	6319	13294	6319	17688	11233	909	1444	17	1572	48	3.5	2257	0.41	0.64	0.62
554	4X4	top third (ke = 0.8)	6334	0	7774	0	2832	473	723	0	2922	473	10696	473	10634	6319	13294	6319	17688	11233	873	1444	66	1572	48	3.5	2257	0.43	0.60	0.58
555	4X4	top third (ke = 0.8)	6767	0	8207	0	3518	221	763	0	3599	221	11806	221	10634	6319	13294	6319	17688	11233	964	1444	31	1572	48	3.5	2257	0.48	0.64	0.62
556	4X4	top third (ke = 0.8)	6319	0	7759	0	3491	1026	722	0	3565	1026	11324	1026	10634	6319	13294	6319	17688	11233	924	1444	144	1572	48	3.5	2257	0.56	0.59	0.58

Note 1: The amount of snow load taken by each column was determined based on the area of top cover around the column. For some of the columns this resulted in a 1,440 lb per column load (6'x6'x 40 psf). For other columns, the fan stack opening reduced the amount of applied snow load. This difference is accounted for in the column axial dead loads above.

Note 2: The DL only and DL + Snow interaction ratios shown are for P/A stress only. The moments from the DL condition are negligible. The seismic bending moments are accounted for in the table above under the combined axial and bending ratio.

Per Section 3.9.2 of reference 11, the wood members subject to both axial compression and bending shall satisfy the following equation:

$$\left(\frac{f_c}{Fc}\right)^2 + \frac{f_b}{F_b\cdot\left[1-\left(\frac{f_c}{F_{cE}}\right)\right]}$$

where fc is the applied axial stress, Fc is the allowable compressive stress, fb is the applied bending stress and FcE is defined as follows:

$$FcE = \frac{K_{cE}\cdot(E)}{\left(\frac{l}{d}\right)^2}$$

Maximum Interaction Ratios		
DL + Snow + Seismic	Dead Load Only	DL + Snow
1.00	0.82	0.76

- fc and Fc are determined in the tables as applied loads. This is the same ratio as comparing the stresses.
- fb and Fb are also determined in the tables above as applied and allowable bending moments.
- KcE is defined as 0.3
- E is the modulus of elasticity adjusted for temperature and moisture and is determined in the allowable load derivation section.

Note 3: The top of members 488 and 489 are at model elevation 459". Determine the actual temperature betweeen the maximum temperature of 115 degrees at the top (elevation 570") and the bottom (elevation 144"). Resulting linear interpolation yields a temperature of 111 degrees for the member. This is in the middle third temperature range.

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic
Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Bent C Summary - (2) 4x4 Members

KcE = 0.3 d1 = 3.5 inches d2 = 7.0 inches E' = 1415250 psi

S = 28.583 in^3

Element	Section	Location	DL Only (note 1) Axial lbs	DL Only (note 1) Moment lb*in	Dead plus Snow Load Axial lbs	Dead plus Snow Load Moment lb*in	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	Dead Load Only Allowable Axial lbs	Dead Load Only Allowable Moment lb*in	Dead Load Plus Snow Allowable Axial lbs	Dead Load Plus Snow Allowable Moment lb*in	DL + Snow + Seismic Allowable Axial lbs	DL + Snow + Seismic Allowable Moment lb*in	Applied Comp. axial stress fc psi	Allowed Comp. axial stress Fc psi	Applied Bending stress fb psi	Allowed Bending stress Fb psi	Unbraced length in	de in	FcE psi	DL + Snow +Seismic Combined Axial and Bending Ratio	Interaction Ratios note 3 Dead Load Only	Interaction Ratios note 3 Dead Load Plus Snow	
3	2X4X4	mid third (ke = 0.8)	8225	0	9665	0	3237	4195	899	0	3359	4195	13024	4195	22465	13399	28041	13399	37185	23820	266	759	147	833	48	3.5	2257	0.32	0.37	0.34	Note 2
26	2X4X4	mid third (ke = 0.8)	11794	0	13234	0	3993	4598	1231	0	4178	4598	17412	4598	22747	13399	28534	13399	38247	23820	355	781	161	833	44	3.5	2686	0.43	0.52	0.46	Note 2
51	2X4X4	mid third (ke = 0.8)	12873	0	14313	0	3815	4488	1331	0	4041	4488	18353	4488	22747	13399	28534	13399	38247	23820	375	781	157	833	44	3.5	2686	0.45	0.57	0.50	Note 2
74	2X4X4	mid third (ke = 0.8)	12811	0	14251	0	1956	4030	1325	0	2363	4030	16614	4030	22747	13399	28534	13399	38247	23820	339	781	141	833	44	3.5	2686	0.38	0.56	0.50	Note 2
99	2X4X4	mid third (ke = 0.8)	12605	0	14045	0	849	3979	1306	0	1558	3979	15603	3979	22747	13399	28534	13399	38247	23820	318	781	139	833	44	3.5	2686	0.36	0.55	0.49	Note 2
123	2X4X4	mid third (ke = 0.8)	12265	0	13705	0	2204	3963	1275	0	2546	3963	16251	3963	22747	13399	28534	13399	38247	23820	332	781	139	833	44	3.5	2686	0.37	0.54	0.48	Note 2
148	2X4X4	mid third (ke = 0.8)	11794	0	13234	0	3857	3850	1231	0	4048	3850	17282	3850	22747	13399	28534	13399	38247	23820	353	781	135	833	44	3.5	2686	0.39	0.52	0.46	Note 2
170	2X4X4	mid third (ke = 0.8)	13295	0	14735	0	0	3776	1370	0	1370	3776	16105	3776	22747	13399	28534	13399	38247	23820	329	781	132	833	44	3.5	2686	0.36	0.58	0.52	Note 2
191	2X4X4	mid third (ke = 0.8)	11794	0	13234	0	3416	4066	1231	0	3631	4066	16865	4066	22747	13399	28534	13399	38247	23820	344	781	142	833	44	3.5	2686	0.39	0.52	0.46	Note 2
218	2X4X4	mid third (ke = 0.8)	11794	0	13234	0	2889	3860	1231	0	3140	3860	16374	3860	22747	13399	28534	13399	38247	23820	334	781	135	833	44	3.5	2686	0.37	0.52	0.46	Note 2
241	2X4X4	mid third (ke = 0.8)	12215	0	13655	0	1050	3388	1270	0	1647	3388	15302	3388	22747	13399	28534	13399	38247	23820	312	781	119	833	44	3.5	2686	0.32	0.54	0.48	Note 2
266	2X4X4	mid third (ke = 0.8)	12215	0	13655	0	2060	3626	1270	0	2420	3626	16075	3626	22747	13399	28534	13399	38247	23820	328	781	127	833	44	3.5	2686	0.35	0.54	0.48	Note 2
289	2X4X4	mid third (ke = 0.8)	11794	0	13234	0	4825	4230	1231	0	4980	4230	18214	4230	22747	13399	28534	13399	38247	23820	372	781	148	833	44	3.5	2686	0.43	0.52	0.46	Note 2
314	2X4X4	mid third (ke = 0.8)	11794	0	13234	0	3409	4274	1231	0	3624	4274	16858	4274	22747	13399	28534	13399	38247	23820	344	781	150	833	44	3.5	2686	0.40	0.52	0.46	Note 2
336	2X4X4	mid third (ke = 0.8)	13255	0	14695	0	3612	3883	1367	0	3862	3883	18557	3883	22747	13399	28534	13399	38247	23820	379	781	136	833	44	3.5	2686	0.43	0.58	0.51	Note 2
346	2X4X4	bot third (ke = 0.8)	8978	0	10418	0	3241	310	969	0	3382	310	13800	310	20684	14109	24353	14109	28876	25082	282	589	11	878	72	3.5	1003	0.25	0.43	0.43	
347	2X4X4	bot third (ke = 0.8)	8947	0	10387	0	3241	1209	966	0	3381	1209	13769	1209	20684	14109	24353	14109	28876	25082	281	589	42	878	72	3.5	1003	0.29	0.43	0.43	
348	2X4X4	bot third (ke = 0.8)	12492	0	13932	0	6194	376	1296	0	6328	376	20260	376	20684	14109	24353	14109	28876	25082	413	589	13	878	72	3.5	1003	0.52	0.60	0.57	
349	2X4X4	bot third (ke = 0.8)	12438	0	13878	0	6194	1434	1291	0	6327	1434	20205	1434	20684	14109	24353	14109	28876	25082	412	589	50	878	72	3.5	1003	0.59	0.60	0.57	
350	2X4X4	bot third (ke = 0.8)	13571	0	15011	0	3326	410	1396	0	3607	410	18617	410	20684	14109	24353	14109	28876	25082	380	589	14	878	72	3.5	1003	0.44	0.66	0.62	
351	2X4X4	bot third (ke = 0.8)	13517	0	14957	0	3326	1589	1391	0	3605	1589	18562	1589	20684	14109	24353	14109	28876	25082	379	589	56	878	72	3.5	1003	0.51	0.65	0.61	
352	2X4X4	bot third (ke = 0.8)	13509	0	14949	0	1958	369	1390	0	2402	369	17350	369	20684	14109	24353	14109	28876	25082	354	589	13	878	72	3.5	1003	0.38	0.65	0.61	
353	2X4X4	bot third (ke = 0.8)	13455	0	14895	0	1958	1408	1385	0	2399	1408	17294	1408	20684	14109	24353	14109	28876	25082	353	589	49	878	72	3.5	1003	0.45	0.65	0.61	
354	2X4X4	bot third (ke = 0.8)	13303	0	14743	0	912	381	1371	0	1646	381	16389	381	20684	14109	24353	14109	28876	25082	334	589	13	878	72	3.5	1003	0.34	0.64	0.61	
355	2X4X4	bot third (ke = 0.8)	13249	0	14689	0	912	1457	1366	0	1642	1457	16332	1457	20684	14109	24353	14109	28876	25082	333	589	51	878	72	3.5	1003	0.41	0.64	0.60	
356	2X4X4	bot third (ke = 0.8)	12963	0	14403	0	3503	321	1339	0	3750	321	18153	321	20684	14109	24353	14109	28876	25082	370	589	11	878	72	3.5	1003	0.42	0.63	0.59	
357	2X4X4	bot third (ke = 0.8)	12909	0	14349	0	3503	1186	1334	0	3748	1186	18098	1186	20684	14109	24353	14109	28876	25082	369	589	41	878	72	3.5	1003	0.47	0.62	0.59	
358	2X4X4	bot third (ke = 0.8)	12492	0	13932	0	5538	285	1296	0	5688	285	19620	285	20684	14109	24353	14109	28876	25082	400	589	10	878	72	3.5	1003	0.48	0.60	0.57	
359	2X4X4	bot third (ke = 0.8)	12438	0	13878	0	5538	1005	1291	0	5687	1005	19565	1005	20684	14109	24353	14109	28876	25082	399	589	35	878	72	3.5	1003	0.53	0.60	0.57	
360	2X4X4	bot third (ke = 0.8)	14316	0	15756	0	0	287	1465	0	1465	287	17221	287	20684	14109	24353	14109	28876	25082	351	589	10	878	72	3.5	1003	0.37	0.69	0.65	
361	2X4X4	bot third (ke = 0.8)	14262	0	15702	0	0	1013	1460	0	1460	1013	17163	1013	20684	14109	24353	14109	28876	25082	350	589	35	878	72	3.5	1003	0.42	0.69	0.64	
362	2X4X4	bot third (ke = 0.8)	12492	0	13932	0	5632	330	1296	0	5779	330	19711	330	20684	14109	24353	14109	28876	25082	402	589	12	878	72	3.5	1003	0.49	0.60	0.57	
363	2X4X4	bot third (ke = 0.8)	12438	0	13878	0	5632	1221	1291	0	5778	1221	19657	1221	20684	14109	24353	14109	28876	25082	401	589	43	878	72	3.5	1003	0.54	0.60	0.57	
364	2X4X4	bot third (ke = 0.8)	12492	0	13932	0	3125	340	1296	0	3383	340	17315	340	20684	14109	24353	14109	28876	25082	353	589	12	878	72	3.5	1003	0.38	0.60	0.57	
365	2X4X4	bot third (ke = 0.8)	12438	0	13878	0	3125	1270	1291	0	3381	1270	17260	1270	20684	14109	24353	14109	28876	25082	352	589	44	878	72	3.5	1003	0.44	0.60	0.57	
366	2X4X4	bot third (ke = 0.8)	12913	0	14353	0	1054	315	1335	0	1701	315	16054	315	20684	14109	24353	14109	28876	25082	328	589	11	878	72	3.5	1003	0.33	0.62	0.59	
367	2X4X4	bot third (ke = 0.8)	12859	0	14299	0	1054	1163	1330	0	1697	1163	15997	1163	20684	14109	24353	14109	28876	25082	326	589	41	878	72	3.5	1003	0.38	0.62	0.59	
368	2X4X4	bot third (ke = 0.8)	12913	0	14353	0	2062	349	1335	0	2456	349	16809	349	20684	14109	24353	14109	28876	25082	343	589	12	878	72	3.5	1003	0.36	0.62	0.59	
369	2X4X4	bot third (ke = 0.8)	12859	0	14299	0	2062	1315	1330	0	2454	1315	16753	1315	20684	14109	24353	14109	28876	25082	342	589	46	878	72	3.5	1003	0.42	0.62	0.59	
370	2X4X4	bot third (ke = 0.8)	12492	0	13932	0	4278	431	1296	0	4470	431	18402	431	20684	14109	24353	14109	28876	25082	376	589	15	878	72	3.5	1003	0.43	0.60	0.57	
371	2X4X4	bot third (ke = 0.8)	12438	0	13878	0	4278	1674	1291	0	4468	1674	18347	1674	20684	14109	24353	14109	28876	25082	374	589	59	878	72	3.5	1003	0.51	0.60	0.57	
372	2X4X4	bot third (ke = 0.8)	12492	0	13932	0	5822	417	1296	0	5964	417	19896	417	20684	14109	24353	14109	28876	25082	406	589	15	878	72	3.5	1003	0.50	0.60	0.57	
373	2X4X4	bot third (ke = 0.8)	12438	0	13878	0	5822	1608	1291	0	5963	1608	19841	1608	20684	14109	24353	14109	28876	25082	405	589	56	878	72	3.5	1003	0.58	0.60	0.57	
374	2X4X4	bot third (ke = 0.8)	14262	0	15702	0	3618	367	1460	0	3901	367	19603	367	20684	14109	24353	14109	28876	25082	400	589	13	878	72	3.5	1003	0.49	0.69	0.64	
375	2X4X4	bot third (ke = 0.8)	14208	0	15648	0	3618	1390	1455	0	3899	1390	19548	1390	20684	14109	24353	14109	28876	25082	399	589	49	878	72	3.5	1003	0.55	0.69	0.64	
391	2X4X4	mid third (ke = 0.8)	8745	0	10185	0	3240	1560	947	0	3375	1560	13560	1560	22465	13399	28041	13399	37185	23820	277	759	55	833	48	3.5	2257	0.21	0.39	0.36	
392	2X4X4	mid third (ke = 0.8)	8375	0	9815	0	3238	4195	913	0	3364	4195	13178	4195	22465	13399	28041	13399	37185	23820	269	759	147	833	48	3.5	2257	0.33	0.37	0.35	
393	2X4X4	mid third (ke = 0.8)	12213	0	13653	0	4518	1581	1270	0	4693	1581	18346	1581	22465	13399	28041	13399	37185	23820	374	759	55	833	48	3.5	2257	0.32	0.54	0.49	
394	2X4X4	mid third (ke = 0.8)	11964	0	13404	0	4516	4598	1247	0	4685	4598	18089	4598	22465	13399	28041	13399	37185	23820	369	759	161	833	48	3.5	2257	0.47	0.53	0.48	
395	2X4X4	mid third (ke = 0.8)	13292	0	14732	0	3818	1589	1370	0	4057	1589	18788	1589	22465	13399	28041	13399	37185	23820	383	759	56	833	48	3.5	2257	0.34	0.59	0.53	
396	2X4X4	mid third (ke = 0.8)	13043	0	14483	0	3817	4488	1347	0	4047	4488	18530	4488	22465	13399	28041	13399	37185	23820	378	759	157	833	48	3.5	2257	0.47	0.58	0.52	
397	2X4X4	mid third (ke = 0.8)	13230	0	14670	0	1958	1408	1364	0	2386	1408	17056	1408	22465	13399	28041	13399	37185	23820	348	759	49	833	48	3.5	2257	0.28	0.59	0.52	
398	2X4X4	mid third (ke = 0.8)	12981	0	14421	0	1957	4030	1341	0	2372	4030	16793	4030	22465	13399	28041	13399	37185	23820	343	759	141	833	48	3.5	2257	0.40	0.58	0.51	
399	2X4X4	mid third (ke = 0.8)	13024	0	14464	0	854	1457	1345	0	1593	1457	16057	1457	22465	13399	28041	13399	37185	23820	328	759	51	833	48	3.5	2257	0.26	0.58	0.52	

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 0

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic
Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Bent C Summary - (2) 4x4 Members

KcE = 0.3 E' = 1415250 psi
d1 = 3.5 inches d2 = 7.0 inches
S = 28.583 in^3

Element	Section	Location	DL Only (note 1) Axial lbs	DL Only (note 1) Moment lb*in	Dead plus Snow Load Axial lbs	Dead plus Snow Load Moment lb*in	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	Dead Load Only Allowable Axial lbs	Dead Load Only Allowable Moment lb*in	Dead Load Plus Snow Allowable Axial lbs	Dead Load Plus Snow Allowable Moment lb*in	DL + Snow + Seismic Allowable Axial lbs	DL + Snow + Seismic Allowable Moment lb*in	Applied Comp. axial stress fc psi	Allowed Comp. axial stress Fc psi	Applied Bending stress fb psi	Allowed Bending stress Fb psi	Unbraced length in	de in	FcE psi	DL + Snow +Seismic Combined Axial and Bending Ratio	Interaction Ratios note 3 Dead Load Only	Interaction Ratios note 3 Dead Load Plus Snow
400	2X4X4	mid third (ke = 0.8)	12775	0	14215	0	851	3979	1322	0	1572	3979	15787	3979	22465	13399	28041	13399	37185	23820	322	759	139	833	48	3.5	2257	0.38	0.57	0.51
401	2X4X4	mid third (ke = 0.8)	12684	0	14124	0	2639	1390	1314	0	2948	1390	17072	1390	22465	13399	28041	13399	37185	23820	348	759	49	833	48	3.5	2257	0.28	0.56	0.50
402	2X4X4	mid third (ke = 0.8)	12435	0	13875	0	2637	3963	1290	0	2936	3963	16811	3963	22465	13399	28041	13399	37185	23820	343	759	139	833	48	3.5	2257	0.40	0.55	0.49
403	2X4X4	mid third (ke = 0.8)	12213	0	13653	0	3861	1421	1270	0	4064	1421	17717	1421	22465	13399	28041	13399	37185	23820	362	759	50	833	48	3.5	2257	0.30	0.54	0.49
404	2X4X4	mid third (ke = 0.8)	11964	0	13404	0	3859	3850	1247	0	4055	3850	17459	3850	22465	13399	28041	13399	37185	23820	356	759	135	833	48	3.5	2257	0.41	0.53	0.48
405	2X4X4	mid third (ke = 0.8)	13856	0	15296	0	0	1380	1423	0	1423	1380	16718	1380	22465	13399	28041	13399	37185	23820	341	759	48	833	48	3.5	2257	0.27	0.62	0.55
406	2X4X4	mid third (ke = 0.8)	13607	0	15047	0	0	3776	1399	0	1399	3776	16446	3776	22465	13399	28041	13399	37185	23820	336	759	132	833	48	3.5	2257	0.38	0.61	0.54
407	2X4X4	mid third (ke = 0.8)	12213	0	13653	0	4045	1412	1270	0	4240	1412	17892	1412	22465	13399	28041	13399	37185	23820	365	759	49	833	48	3.5	2257	0.30	0.54	0.49
408	2X4X4	mid third (ke = 0.8)	11964	0	13404	0	4043	4066	1247	0	4231	4066	17635	4066	22465	13399	28041	13399	37185	23820	360	759	142	833	48	3.5	2257	0.43	0.53	0.48
409	2X4X4	mid third (ke = 0.8)	12213	0	13653	0	2893	1310	1270	0	3160	1310	16812	1310	22465	13399	28041	13399	37185	23820	343	759	46	833	48	3.5	2257	0.27	0.54	0.49
410	2X4X4	mid third (ke = 0.8)	11964	0	13404	0	2891	3860	1247	0	3148	3860	16552	3860	22465	13399	28041	13399	37185	23820	338	759	135	833	48	3.5	2257	0.39	0.53	0.48
411	2X4X4	mid third (ke = 0.8)	12634	0	14074	0	1053	1167	1309	0	1680	1167	15754	1167	22465	13399	28041	13399	37185	23820	322	759	41	833	48	3.5	2257	0.24	0.56	0.50
412	2X4X4	mid third (ke = 0.8)	12385	0	13825	0	1051	3388	1286	0	1661	3388	15486	3388	22465	13399	28041	13399	37185	23820	316	759	119	833	48	3.5	2257	0.34	0.55	0.49
413	2X4X4	mid third (ke = 0.8)	12634	0	14074	0	2061	1315	1309	0	2442	1315	16516	1315	22465	13399	28041	13399	37185	23820	337	759	46	833	48	3.5	2257	0.26	0.56	0.50
414	2X4X4	mid third (ke = 0.8)	12385	0	13825	0	2061	3626	1286	0	2429	3626	16254	3626	22465	13399	28041	13399	37185	23820	332	759	127	833	48	3.5	2257	0.37	0.55	0.49
415	2X4X4	mid third (ke = 0.8)	12213	0	13653	0	4829	1674	1270	0	4993	1674	18646	1674	22465	13399	28041	13399	37185	23820	381	759	59	833	48	3.5	2257	0.34	0.54	0.49
416	2X4X4	mid third (ke = 0.8)	11964	0	13404	0	4827	4230	1247	0	4985	4230	18389	4230	22465	13399	28041	13399	37185	23820	375	759	148	833	48	3.5	2257	0.46	0.53	0.48
417	2X4X4	mid third (ke = 0.8)	12213	0	13653	0	3982	1608	1270	0	4179	1608	17832	1608	22465	13399	28041	13399	37185	23820	364	759	56	833	48	3.5	2257	0.31	0.54	0.49
418	2X4X4	mid third (ke = 0.8)	11964	0	13404	0	3980	4274	1247	0	4171	4274	17574	4274	22465	13399	28041	13399	37185	23820	359	759	150	833	48	3.5	2257	0.44	0.53	0.48
419	2X4X4	mid third (ke = 0.8)	13809	0	15249	0	3616	1390	1418	0	3884	1390	19133	1390	22465	13399	28041	13399	37185	23820	390	759	49	833	48	3.5	2257	0.34	0.61	0.54
420	2X4X4	mid third (ke = 0.8)	13560	0	15000	0	3614	3883	1395	0	3874	3883	18874	3883	22465	13399	28041	13399	37185	23820	385	759	136	833	48	3.5	2257	0.45	0.60	0.53

Note 1: The amount of snow load taken by each column was determined based on the area of top cover around the column.
Conservatively subtract a snow load = 6'x6' x 40 psf. This difference is accounted for in the column axial dead loads above.

Note 2: (2) 4x4's extend from the base up to approximately 1/2 way between longitudinal levels G and H. Conservatively use the allowable loads for a single 4x4 member above level G.

Note 3: The DL only and DL + Snow interaction ratios shown are for P/A stress only. The moments from the DL condition are negligible. The seismic bending moments are accounted for in the table above under the combined axial and bending ratio.

The base of the companion posts have been trimmed to a width of 1", check compressive stress on section. Buckling reduction factor is not required.

At the base of the posts the DL load allowable compressive load = 16261 lbs. Allowable loads are from the compressive capacity part of this calculation. This is the allowable stress prior to the buckling capacity factor being applied and using load factor = 0.9
At the base of the posts the DL + Snow load allowable compressive load = 20779 lbs. Allowable dead load adjusted for snow load = (DL allow)*(1.15/0.9)
At the base of the posts the seismic allowable compressive load = 28909 lbs. Allowable seismic load = (DL allow)*(1.6/0.9)

DL only fa / Fc = 0.88
DL + Snow fa / Fc = 0.76
DL + Snow + Seismic fa / Fc = 0.70

Maximum Interaction Ratios		
Dead Load Only	Dead Load Plus Snow	DL + Snow + Seismic
0.88	0.76	0.70

ABS Consulting

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Bent C Summary - 4x4 Member Braces

Element	Section	Location	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	DL + Snow + Seismic Allowables Axial lbs	DL + Snow + Seismic Allowables Moment lb*in	Interaction Ratios DL + Snow + Seismic
22	4X4	top third (ke = 1.0)	4462	0	0	0	4462	0	4462	0	9658	11233	0.46
45	4X4	top third (ke = 1.0)	10336	0	0	0	10336	0	10336	0	12015	11233	0.86
117	4X4	top third (ke = 1.0)	9446	0	0	0	9446	0	9446	0	12015	11233	0.79
144	4X4	top third (ke = 1.0)	3725	0	0	0	3725	0	3725	0	7778	11233	0.48
214	4X4	top third (ke = 1.0)	3742	0	0	0	3742	0	3742	0	7778	11233	0.48
235	4X4	top third (ke = 1.0)	8346	0	0	0	8346	0	8346	0	12015	11233	0.69
283	4X4	top third (ke = 1.0)	4103	0	0	0	4103	0	4103	0	12015	11233	0.34
308	4X4	top third (ke = 1.0)	8945	0	0	0	8945	0	8945	0	12015	11233	0.74
332	4X4	top third (ke = 1.0)	4689	0	0	0	4689	0	4689	0	7778	11233	0.60

Maximum Interaction Ratios
DL + Snow + Seismic
0.86

Bent C Summary - 4x6 Member Braces

Element	Section	Location	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	DL + Snow + Seismic Allowables Axial lbs	DL + Snow + Seismic Allowables Moment lb*in	Interaction Ratios DL + Snow + Seismic
12	4X6	bot third (ke = 1.0)	9853	0	0	0	9853	0	9853	0	12903	30975	0.76
36	4X6	mid third (ke = 1.0)	10967	0	0	0	10967	0	10967	0	12674	29417	0.87
62	4X6	mid third (ke = 1.0)	11913	0	0	0	11913	0	11913	0	12674	29417	0.94
65	4X6	top third (ke = 1.0)	11327	0	0	0	11327	0	11327	0	12450	27745	0.91
82	4X6	top third (ke = 1.0)	10234	1526	0	0	10234	1526	10234	1526	20009	27745	0.57
83	4X6	top third (ke = 1.0)	6797	935	0	0	6797	935	6797	935	20009	27745	0.37
87	4X6	mid third (ke = 1.0)	8253	0	0	0	8253	0	8253	0	9176	29417	0.90
95	4X6	top third (ke = 1.0)	6860	783	0	0	6860	783	6860	783	20009	27745	0.37
96	4X6	top third (ke = 1.0)	10187	1373	0	0	10187	1373	10187	1373	20009	27745	0.56
109	4X6	mid third (ke = 1.0)	8704	0	0	0	8704	0	8704	0	9176	29417	0.95
112	4X6	mid third (ke = 1.0)	9722	0	0	0	9722	0	9722	0	12674	29417	0.77
131	4X6	bot third (ke = 1.0)	8254	0	0	0	8254	0	8254	0	12903	30975	0.64
133	4X6	mid third (ke = 1.0)	10185	0	0	0	10185	0	10185	0	12674	29417	0.80
157	4X6	bot third (ke = 1.0)	8971	0	0	0	8971	0	8971	0	12903	30975	0.70
178	4X6	bot third (ke = 1.0)	9164	0	0	0	9164	0	9164	0	12903	30975	0.71
200	4X6	bot third (ke = 1.0)	8469	0	0	0	8469	0	8469	0	12903	30975	0.66
203	4X6	mid third (ke = 1.0)	10237	0	0	0	10237	0	10237	0	12674	29417	0.81
227	4X6	mid third (ke = 1.0)	8868	0	0	0	8868	0	8868	0	9176	29417	0.97
230	4X6	mid third (ke = 1.0)	11081	0	0	0	11081	0	11081	0	12674	29417	0.87
249	4X6	top third (ke = 1.0)	8792	880	0	0	8792	880	8792	880	20009	27745	0.47
250	4X6	top third (ke = 1.0)	9908	1142	0	0	9908	1142	9908	1142	20009	27745	0.54
254	4X6	mid third (ke = 1.0)	7720	0	0	0	7720	0	7720	0	9176	29417	0.84
262	4X6	top third (ke = 1.0)	9959	1348	0	0	9959	1348	9959	1348	20009	27745	0.55
263	4X6	top third (ke = 1.0)	8735	1087	0	0	8735	1087	8735	1087	20009	27745	0.48
277	4X6	mid third (ke = 1.0)	11667	0	0	0	11667	0	11667	0	12674	29417	0.92
280	4X6	top third (ke = 1.0)	9700	0	0	0	9700	0	9700	0	12450	27745	0.78
299	4X6	mid third (ke = 1.0)	11288	0	0	0	11288	0	11288	0	12674	29417	0.89
322	4X6	bot third (ke = 1.0)	9978	0	0	0	9978	0	9978	0	12903	30975	0.77

Maximum Interaction Ratios
DL + Snow + Seismic
0.97

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic
Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

KcE = 0.3 E' = 1415250 psi
d1 = 3.5 inches d2 = 3.5 inches S = 7.146 in^3

end bent - 4x4 Members

Element	Section	Location	DL Only Axial lbs	DL Only Moment lb*in	Dead plus Snow Load Axial lbs	Dead plus Snow Load Moment lb*in	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	Dead Load Only Allowables Axial lbs	Dead Load Only Allowables Moment lb*in	Dead Load Plus Snow Allowables Axial lbs	Dead Load Plus Snow Allowables Moment lb*in	DL + Snow + Seismic Allowables Axial lbs	DL + Snow + Seismic Allowables Moment lb*in	Applied Comp. axial stress fc psi	Allowed Comp. axial stress Fc psi	Applied Bending stress fb psi	Allowed Bending stress Fb psi	Unbraced length in	de in	FcE psi	DL + Snow +Seismic Combined Axial and Bending Ratio	Interaction Ratios note 2 Dead Load Only	Interaction Ratios note 2 Dead Load Plus Snow
25	4X4	mid third (ke=0.8)	4717	0	5437	0	867	0	506	0	1004	0	1004	0	11233	6699	14020	8560	18592	11910	82	1518	0	1667	48	3.5	2257	0.00	0.42	0.39
26	4X4	mid third (ke=0.8)	4368	0	5088	0	842	0	473	0	966	0	966	0	11233	6699	14020	8560	18592	11910	79	1518	0	1667	48	3.5	2257	0.00	0.39	0.36
27	4X4	top third (ke=0.8)	4233	0	4953	0	841	0	461	0	959	0	959	0	10634	6319	13294	8074	17688	11233	78	1444	0	1572	48	3.5	2257	0.00	0.40	0.37
28	4X4	top third (ke=0.8)	3771	0	4491	0	804	0	418	0	906	0	906	0	10634	6319	13294	8074	17688	11233	74	1444	0	1572	48	3.5	2257	0.00	0.35	0.34
29	4X4	top third (ke=0.8)	3634	0	4354	0	802	0	405	0	899	0	899	0	10634	6319	13294	8074	17688	11233	73	1444	0	1572	48	3.5	2257	0.00	0.34	0.33
30	4X4	top third (ke=0.8)	3367	0	4087	0	587	0	380	0	699	0	699	0	10634	6319	13294	8074	17688	11233	57	1444	0	1572	48	3.5	2257	0.00	0.32	0.31
31	4X4	top third (ke=0.8)	298	0	1018	0	37	0	95	0	101	0	101	0	7806	6319	8673	8074	9546	11233	8	779	0	1572	94	3.5	589	0.00	0.04	0.12
66	4X4	bot third (ke=0.8)	5357	0	6077	0	1047	0	565	0	1189	0	1189	0	11789	7054	14695	9014	19430	12541	97	1586	0	1755	48	3.5	2257	0.00	0.45	0.41
67	4X4	bot third (ke=0.8)	5100	210	5820	210	1147	1228	541	20	1269	1228	1269	1438	11789	7054	14695	9014	19430	12541	104	1586	201	1755	48	3.5	2257	0.12	0.46	0.42
68	4X4	mid third (ke=0.8)	4988	210	5708	210	1147	1228	531	20	1264	1228	1264	1438	11233	6699	14020	8560	18592	11910	103	1518	201	1667	48	3.5	2257	0.13	0.48	0.43
69	4X4	mid third (ke=0.8)	4555	0	5275	0	863	0	491	0	993	0	993	0	11233	6699	14020	8560	18592	11910	81	1518	0	1667	48	3.5	2257	0.00	0.41	0.38
70	4X4	mid third (ke=0.8)	4109	0	4829	0	866	0	449	0	975	0	975	0	11233	6699	14020	8560	18592	11910	80	1518	0	1667	48	3.5	2257	0.00	0.37	0.34
71	4X4	mid third (ke=0.8)	3670	0	4390	0	863	0	408	0	955	0	955	0	11233	6699	14020	8560	18592	11910	78	1518	0	1667	48	3.5	2257	0.00	0.33	0.31
72	4X4	top third (ke=0.8)	3532	0	4252	0	836	0	395	0	925	0	925	0	10634	6319	13294	8074	17688	11233	75	1444	0	1572	48	3.5	2257	0.00	0.33	0.32
73	4X4	top third (ke=0.8)	3091	0	3811	0	833	0	354	0	905	0	905	0	10634	6319	13294	8074	17688	11233	74	1444	0	1572	48	3.5	2257	0.00	0.29	0.29
74	4X4	top third (ke=0.8)	2953	0	3673	0	796	0	342	0	866	0	866	0	10634	6319	13294	8074	17688	11233	71	1444	0	1572	48	3.5	2257	0.00	0.28	0.28
75	4X4	top third (ke=0.8)	2723	0	3443	0	278	0	320	0	424	0	424	0	10634	6319	13294	8074	17688	11233	35	1444	0	1572	48	3.5	2257	0.00	0.26	0.26
76	4X4	top third (ke=0.8)	296	0	1016	0	30	0	94	0	99	0	99	0	7806	6319	8673	8074	9546	11233	8	779	0	1572	94	3.5	589	0.00	0.04	0.12
94	4X4	bot third (ke=0.8)	2030	0	2750	0	1564	0	256	0	1585	0	1585	0	11789	7054	14695	9014	19430	12541	129	1586	0	1755	48	3.5	2257	0.01	0.17	0.19
95	4X4	mid third (ke=0.8)	1792	0	2512	0	1564	0	234	0	1581	0	1581	0	8966	6699	10202	8560	11535	11910	129	942	0	1667	84	3.5	737	0.02	0.20	0.25
96	4X4	mid third (ke=0.8)	1366	0	2086	0	1560	0	194	0	1572	0	3658	0	7889	6699	8662	8560	9420	11910	299	769	0	1667	96	3.5	564	0.15	0.17	0.24
97	4X4	top third (ke=0.8)	973	0	1693	0	1690	0	157	0	1697	0	3390	0	7639	6319	8441	8074	9237	11233	277	754	0	1572	96	3.5	564	0.13	0.13	0.20
98	4X4	top third (ke=0.8)	637	0	1357	0	1683	0	126	0	1688	0	3045	0	7639	6319	8441	8074	9237	11233	249	754	0	1572	96	3.5	564	0.11	0.08	0.16
99	4X4	top third (ke=0.8)	320	0	1040	0	1675	0	97	0	1677	0	2717	0	5736	6319	6046	8074	6332	11233	222	517	0	1572	120	3.5	361	0.18	0.06	0.17
100	4X4	top third (ke=0.8)	183	0	903	0	49	0	84	0	97	0	1000	0	10634	6319	13294	8074	17688	11233	82	1444	0	1572	48	3.5	2257	0.00	0.02	0.07
113	4X4	bot third (ke=0.8)	1570	0	2290	0	2067	0	213	0	2078	0	4367	0	11789	7054	14695	9014	19430	12541	357	1586	0	1755	48	3.5	2257	0.05	0.13	0.16
114	4X4	mid third (ke=0.8)	1416	0	2136	0	2067	0	199	0	2076	0	4212	0	8966	6699	10202	8560	11535	11910	344	942	0	1667	84	3.5	737	0.13	0.16	0.21
115	4X4	mid third (ke=0.8)	1149	0	1869	0	2064	0	174	0	2071	0	3940	0	7889	6699	8662	8560	9420	11910	322	769	0	1667	96	3.5	564	0.17	0.15	0.22
116	4X4	top third (ke=0.8)	875	0	1595	0	2058	0	148	0	2063	0	3659	0	7639	6319	8441	8074	9237	11233	299	754	0	1572	96	3.5	564	0.16	0.11	0.19
117	4X4	top third (ke=0.8)	607	0	1327	0	2289	0	123	0	2293	0	3619	0	7639	6319	8441	8074	9237	11233	295	754	0	1572	96	3.5	564	0.15	0.08	0.16
118	4X4	top third (ke=0.8)	304	0	1024	0	54	0	95	0	110	0	1134	0	5736	6319	6046	8074	6332	11233	93	517	0	1572	120	3.5	361	0.03	0.05	0.17
129	4X4	bot third (ke=0.8)	1570	0	2290	0	2068	0	213	0	2079	0	4368	0	11789	7054	14695	9014	19430	12541	357	1586	0	1755	48	3.5	2257	0.05	0.13	0.16
130	4X4	mid third (ke=0.8)	1416	0	2136	0	2068	0	199	0	2077	0	4213	0	8966	6699	10202	8560	11535	11910	344	942	0	1667	84	3.5	737	0.13	0.16	0.21
131	4X4	mid third (ke=0.8)	1149	0	1869	0	2065	0	174	0	2072	0	3941	0	7889	6699	8662	8560	9420	11910	322	769	0	1667	96	3.5	564	0.18	0.15	0.22
132	4X4	top third (ke=0.8)	875	0	1595	0	2059	0	148	0	2064	0	3660	0	7639	6319	8441	8074	9237	11233	299	754	0	1572	96	3.5	564	0.16	0.11	0.19
133	4X4	top third (ke=0.8)	607	0	1327	0	2321	0	123	0	2324	0	3651	0	7639	6319	8441	8074	9237	11233	298	754	0	1572	96	3.5	564	0.16	0.08	0.16
134	4X4	top third (ke=0.8)	304	0	1024	0	54	0	95	0	109	0	1133	0	5736	6319	6046	8074	6332	11233	93	517	0	1572	120	3.5	361	0.03	0.05	0.17
146	4X4	bot third (ke=0.8)	2030	0	2750	0	1560	0	256	0	1581	0	4331	0	11789	7054	14695	9014	19430	12541	354	1586	0	1755	48	3.5	2257	0.05	0.17	0.19
147	4X4	mid third (ke=0.8)	1792	0	2512	0	1560	0	234	0	1577	0	4089	0	8966	6699	10202	8560	11535	11910	334	942	0	1667	84	3.5	737	0.13	0.20	0.25
148	4X4	mid third (ke=0.8)	1366	0	2086	0	1556	0	194	0	1568	0	3654	0	7889	6699	8662	8560	9420	11910	298	769	0	1667	96	3.5	564	0.15	0.17	0.24
149	4X4	top third (ke=0.8)	973	0	1693	0	1693	0	157	0	1701	0	3394	0	7639	6319	8441	8074	9237	11233	277	754	0	1572	96	3.5	564	0.14	0.13	0.20
150	4X4	top third (ke=0.8)	637	0	1357	0	1687	0	126	0	1692	0	3048	0	7639	6319	8441	8074	9237	11233	249	754	0	1572	96	3.5	564	0.11	0.08	0.16
151	4X4	top third (ke=0.8)	320	0	1040	0	1679	0	97	0	1681	0	2721	0	5736	6319	6046	8074	6332	11233	222	517	0	1572	120	3.5	361	0.18	0.06	0.17
152	4X4	top third (ke=0.8)	183	0	903	0	49	0	84	0	97	0	1000	0	10634	6319	13294	8074	17688	11233	82	1444	0	1572	48	3.5	2257	0.00	0.02	0.07
168	4X4	bot third (ke=0.8)	5359	0	6079	0	1141	0	565	0	1274	0	7352	0	11789	7054	14695	9014	19430	12541	600	1586	0	1755	48	3.5	2257	0.14	0.45	0.41
169	4X4	bot third (ke=0.8)	5101	210	5821	210	1239	1226	541	20	1352	1226	7174	1436	11789	7054	14695	9014	19430	12541	586	1586	201	1755	48	3.5	2257	0.29	0.46	0.42
170	4X4	mid third (ke=0.8)	4989	210	5709	210	1239	1226	531	20	1348	1226	7057	1436	11233	6699	14020	8560	18592	11910	576	1518	201	1667	48	3.5	2257	0.31	0.48	0.43
171	4X4	mid third (ke=0.8)	4556	0	5276	0	959	0	491	0	1077	0	6354	0	11233	6699	14020	8560	18592	11910	519	1518	0	1667	48	3.5	2257	0.12	0.41	0.38
172	4X4	mid third (ke=0.8)	4111	0	4831	0	955	0	449	0	1056	0	5886	0	11233	6699	14020	8560	18592	11910	481	1518	0	1667	48	3.5	2257	0.10	0.37	0.34
173	4X4	mid third (ke=0.8)	3671	0	4391	0	952	0	408	0	1036	0	5428	0	11233	6699	14020	8560	18592	11910	443	1518	0	1667	48	3.5	2257	0.09	0.33	0.31
174	4X4	top third (ke=0.8)	3533	0	4253	0	907	0	396	0	990	0	5243	0	10634	6319	13294	8074	17688	11233	428	1444	0	1572	48	3.5	2257	0.09	0.33	0.32
175	4X4	top third (ke=0.8)	3092	0	3812	0	904	0	355	0	971	0	4783	0	10634	6319	13294	8074	17688	11233	390	1444	0	1572	48	3.5	2257	0.07	0.29	0.29
176	4X4	top third (ke=0.8)	2953	0	3673	0	847	0	342	0	913	0	4586	0	10634	6319	13294	8074	17688	11233	374	1444	0	1572	48	3.5	2257	0.07	0.28	0.28
177	4X4	top third (ke=0.8)	2733	0	3453	0	287	0	321	0	430	0	3883	0	10634	6319	13294	8074	17688	11233	317	1444	0	1572	48	3.5	2257	0.05	0.26	0.26
178	4X4	top third (ke=0.8)	296	0	1016	0	34	0	94	0	100	0	1116	0	7806	6319	8673	8074	9546	11233	91	779	0	1572	94	3.5	589	0.01	0.04	0.12
217	4X4	mid third (ke=0.8)	6501	0	7221	0	982	0	672	0	1190	0	8411	0	11233	6699	14020	8560	18592	11910	687	1518	0	1667	48	3.5	2257	0.20	0.58	0.52
218	4X4	mid third (ke=0.8)	5913	0	6633	0	942	0	617	0	1126	0	7758	0	11233	6699	14020	8560	18592	11910	633	1518	0	1667	48	3.5	2257	0.17	0.53	0.47

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

KcE = 0.3 E' = 1415250 psi
d1 = 3.5 inches d2 = 3.5 inches
S = 7.146 in^3

end bent - 4x4 Members

Element	Section	Location	DL Only Axial lbs	DL Only Moment lb*in	Dead plus Snow Load Axial lbs	Dead plus Snow Load Moment lb*in	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	Dead Load Only Allowables Axial lbs	Dead Load Only Allowables Moment lb*in	Dead Load Plus Snow Allowables Axial lbs	Dead Load Plus Snow Allowables Moment lb*in	DL + Snow + Seismic Allowables Axial lbs	DL + Snow + Seismic Allowables Moment lb*in	Applied Comp. axial stress fc psi	Allowed Comp. axial stress Fc psi	Applied Bending stress fb psi	Allowed Bending stress Fb psi	Unbraced length in	de in	FcE psi	DL + Snow +Seismic Combined Axial and Bending Ratio	Interaction Ratios note 2 Dead Load Only	Interaction Ratios note 2 Dead Load Plus Snow
219	4X4	top third (ke=0.8)	5537	0	6257	0	937	0	582	0	1103	0	7360	0	10634	6319	13294	8074	17688	11233	601	1444	0	1572	48	3.5	2257	0.17	0.52	0.47
220	4X4	top third (ke=0.8)	4836	0	5556	0	877	0	517	0	1018	0	6574	0	10634	6319	13294	8074	17688	11233	537	1444	0	1572	48	3.5	2257	0.14	0.45	0.42
221	4X4	top third (ke=0.8)	4459	0	5179	0	871	0	482	0	995	0	6175	0	10634	6319	13294	8074	17688	11233	504	1444	0	1572	48	3.5	2257	0.12	0.42	0.39
222	4X4	top third (ke=0.8)	3979	0	4699	0	650	0	437	0	783	0	5482	0	10634	6319	13294	8074	17688	11233	448	1444	0	1572	48	3.5	2257	0.10	0.37	0.35
223	4X4	top third (ke=0.8)	612	0	1332	0	52	0	124	0	134	0	1466	0	7806	6319	8673	8074	9546	11233	120	779	0	1572	94	3.5	589	0.02	0.08	0.15

Note 1: The amount of snow load taken by each column was determined based on the area of top cover around the column. For some of the columns this resulted in a 1,440 lb per column load (6'x6'x 40 psf). For other columns, the fan stack opening reduced the amount of applied snow load. This difference is accounted for in the column axial dead loads above.

Note 2: The DL only and DL + Snow interaction ratios shown are for P/A stress only. The moments from the DL condition are negligible. The seismic bending moments are accounted for in the table above under the combined axial and bending ratio.

Maximum Interaction Ratios		
DL + Snow + Seismic	Dead Load Only	DL + Snow
0.31	0.58	0.52

Per Section 3.9.2 of reference 11, the wood members subject to both axial compression and bending shall satisfy the following equation:

$$\left(\frac{f_c}{Fc}\right)^2 + \frac{f_b}{F_b \cdot \left[1 - \left(\frac{f_c}{F_{cE}}\right)\right]}$$

where fc is the applied axial stress, Fc is the allowable compressive stress, fb is the applied bending stress and FcE is defined as follows:

$$FcE = \frac{K_{cE} \cdot (E)}{\left(\frac{l}{d}\right)^2}$$

- fc and Fc are determined in the tables as applied loads. This is the same ratio as comparing the stresses.
- fb and Fb are also determined in the tables above as applied and allowable bending moments.
- KcE is defined as 0.3
- E is the modulus of elasticity adjusted for temperature and moisture and is determined in the allowable load derivation section.

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

End Bent Summary - (2) 4x4 Members

KcE = 0.3 E' = 1445850 psi
d1 = 3.5 inches d2 = 3.5 inches S = 7.146 in^3

Element	Section	Location	DL Only Axial lbs	DL Only Moment lb*in	Dead plus Snow Load Axial lbs	Dead plus Snow Load Moment lb*in	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	Dead Load Only Allowable Axial lbs	Dead Load Only Allowable Moment lb*in	Dead Load Plus Snow Allowable Axial lbs	Dead Load Plus Snow Allowable Moment lb*in	DL + Snow + Seismic Allowable Axial lbs	DL + Snow + Seismic Allowable Moment lb*in	Applied Comp. axial stress fc psi	Allowed Comp. axial stress Fc psi	Applied Bending stress fb psi	Allowed Bending stress Fb psi	Unbraced length in	de in	FcE psi	DL + Snow +Seismic Combined Axial and Bending Ratio	Interaction Ratios note 2 Dead Load Only	Interaction Ratios note 2 Dead Load Plus Snow
21	2x4X4	bot third (ke=0.8)	7804	0	7876	0	913	0	640	0	1114	0	8990	0	23577	14109	29389	18028	38859	25082	367	1586	0	3510	48	3.5	2306	0.05	0.33	0.27
22	2x4X4	bot third (ke=0.8)	7702	2127	7774	2127	913	9084	639	0	1114	9084	8888	11211	23577	14109	29389	18028	38859	25082	363	1586	1569	3510	48	3.5	2306	0.58	0.48	0.38
23	2x4X4	mid third (ke=0.8)	7614	2127	7686	2127	947	9084	630	0	1138	9084	8824	11211	22465	13399	28041	17121	37185	23820	360	1518	1569	3333	48	3.5	2306	0.61	0.50	0.40
24	2x4X4	mid third (ke=0.8)	7700	0	7772	0	952	0	679	0	1169	0	8941	0	22465	13399	28041	17121	37185	23820	365	1518	0	3333	48	3.5	2306	0.06	0.34	0.28
213	2x4X4	bot third (ke=0.8)	10133	0	10205	0	1043	0	648	0	1228	0	11433	0	23577	14109	29389	18028	38859	25082	467	1586	0	3510	48	3.5	2306	0.09	0.43	0.35
214	2x4X4	bot third (ke=0.8)	10031	2127	10103	2127	1043	9058	645	0	1226	9058	11329	11185	23577	14109	29389	18028	38859	25082	462	1586	1565	3510	48	3.5	2306	0.64	0.58	0.46
215	2x4X4	mid third (ke=0.8)	9952	2127	10024	2127	1080	9058	645	0	1258	9058	11282	11185	22465	13399	28041	17121	37185	23820	460	1518	1565	3333	48	3.5	2306	0.68	0.60	0.48
216	2x4X4	mid third (ke=0.8)	9813	0	9885	0	1077	0	680	0	1273	0	11159	0	22465	13399	28041	17121	37185	23820	455	1518	0	3333	48	3.5	2306	0.09	0.44	0.35

Note 1: The amount of snow load taken by each column was determined based on the area of top cover around the column. For some of the columns this resulted in a 1,440 lb per column load (6'x6'x 40 psf). For other columns, the fan stack opening reduced the amount of applied snow load. This difference is accounted for in the column axial dead loads above.

Note 2: The DL only and DL + Snow interaction ratios shown are for P/A stress only. The moments from the DL condition are negligible. The seismic bending moments are accounted for in the table above under the combined axial and bending ratio. The base of the companion posts are elements 21 and 213. As the bottom of the posts have been trimmed to a width of 1", check compressive stress on section. Buckling reduction factor is not required.

At the base of the posts the DL load allowable compressive load = 16261 lbs. Allowable loads are from the compressive capacity part of this calculation. This is the allowable stress prior to the buckling capacity factor being applied and using load factor = 0.9
At the base of the posts the DL + Snow load allowable compressive load = 20779 lbs. Allowable dead load adjusted for snow load = (DL allow)*(1.15/0.9)
At the base of the posts the seismic allowable compressive load = 28909 lbs. Allowable seismic load = (DL allow)*(1.6/0.9)

DL only fa / Fc = 0.62
DL + Snow fa / Fc = 0.49
DL + Snow + Seismic fa / Fc = 0.40

Maximum Interaction Ratios		
DL + Snow + Seismic	Dead Load Only	DL + Snow
0.68	0.62	0.49

Per Section 3.9.2 of reference 11, the wood members subject to both axial compression and bending shall satisfy the following equation:

$$\left(\frac{f_c}{Fc}\right)^2 + \frac{f_b}{F_b \cdot \left[1 - \left(\frac{f_c}{F_{cE}}\right)\right]}$$

where fc is the applied axial stress, Fc is the allowable compressive stress, fb is the applied bending stress and FcE is defined as follows:

$$FcE = \frac{K_{cE} \cdot (E)}{\left(\frac{l}{d}\right)^2}$$

- fc and Fc are determined in the tables as applied loads. This is the same ratio as comparing the stresses.
- fb and Fb are also determined in the tables above as applied and allowable bending moments.
- KcE is defined as 0.3
- E is the modulus of elasticity adjusted for temperature and moisture and is determined in the allowable load derivation section.

ABS Consulting

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

End Bent Summary - 4x4 Member Braces

Element	Section	Location	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	DL + Snow + Seismic Allowables Axial lbs	DL + Snow + Seismic Allowables Moment lb*in	Interaction Ratios DL + Snow + Seismic
37	4X4	top third (ke=1.0)	503	0	0	0	503	0	503	0	8058	11233	0.06
38	4X4	top third (ke=1.0)	1214	0	0	0	1214	0	1214	0	8058	11233	0.15
44	4X4	mid third (ke=1.0)	5902	0	0	0	5902	0	5902	0	7244	11910	0.81
58	4X4	top third (ke=1.0)	1217	0	0	0	1217	0	1217	0	8058	11233	0.15
59	4X4	top third (ke=1.0)	501	0	0	0	501	0	501	0	8058	11233	0.06
84	4X4	mid third (ke=1.0)	5599	0	0	0	5599	0	5599	0	7244	11910	0.77
105	4X4	mid third (ke=1.0)	5288	0	0	0	5288	0	5288	0	5308	11910	1.00
108	4X4	top third (ke=1.0)	1957	0	0	0	1957	0	1957	0	5236	11233	0.37
119	4X4	top third (ke=1.0)	4887	0	0	0	4887	0	4887	0	12015	11233	0.41
120	4X4	top third (ke=1.0)	4838	0	0	0	4838	0	4838	0	12015	11233	0.40
127	4X4	top third (ke=1.0)	4842	0	0	0	4842	0	4842	0	12015	11233	0.40
128	4X4	top third (ke=1.0)	4883	0	0	0	4883	0	4883	0	12015	11233	0.41
138	4X4	mid third (ke=1.0)	5281	0	0	0	5281	0	5281	0	5308	11910	1.00
141	4X4	top third (ke=1.0)	1963	0	0	0	1963	0	1963	0	5236	11233	0.37
159	4X4	mid third (ke=1.0)	5616	0	0	0	5616	0	5616	0	7244	11910	0.78
185	4X4	top third (ke=1.0)	1321	0	0	0	1321	0	1321	0	8058	11233	0.16
186	4X4	top third (ke=1.0)	509	0	0	0	509	0	509	0	8058	11233	0.06
192	4X4	mid third (ke=1.0)	5911	0	0	0	5911	0	5911	0	7244	11910	0.82
206	4X4	top third (ke=1.0)	512	0	0	0	512	0	512	0	8058	11233	0.06
207	4X4	top third (ke=1.0)	1318	0	0	0	1318	0	1318	0	8058	11233	0.16

Maximum Interaction Ratios
DL + Snow + Seismic
1.00

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Main Bent - 4x4 Members

KcE = 0.3 E' = 1415250 psi
d1 = 3.5 inches d2 = 3.5 inches S = 7.146 in^3

Element	Section	Location	DL Only Axial lbs	DL Only Moment lb*in	Dead plus Snow Load Axial lbs	Dead plus Snow Load Moment lb*in	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	Dead Load Only Allowable Axial lbs	Dead Load Only Allowable Moment lb*in	Dead Load Plus Snow Allowable Axial lbs	Dead Load Plus Snow Allowable Moment lb*in	DL + Snow + Seismic Allowable Axial lbs	DL + Snow + Seismic Allowable Moment lb*in	Applied Comp. axial stress fc psi	Allowed Comp. axial stress Fc psi	Applied Bending stress fb psi	Allowed Bending stress Fb psi	Unbraced length in	de in	FcE psi	DL + Snow +Seismic Combined Axial and Bending Ratio	Interaction Ratios note 2 Dead Load Only	Interaction Ratios note 2 Dead Load Plus Snow
23	4X4	mid third (ke=0.8)	8143	0	9583	0	1414	0	891	0	1671	0	11255	0	11233	6699	14020	6699	18592	11910	919	1518	0	1667	48	3.5	2257	0.37	0.72	0.68
24	4X4	mid third (ke=0.8)	7714	0	9154	0	1405	0	851	0	1643	0	10797	0	11233	6699	14020	6699	18592	11910	881	1518	0	1667	48	3.5	2257	0.34	0.69	0.65
25	4X4	top third (ke=0.8)	7694	0	9134	0	1405	0	849	0	1642	0	10776	0	10634	6319	13294	6319	17688	11233	880	1444	0	1572	48	3.5	2257	0.37	0.72	0.69
26	4X4	top third (ke=0.8)	7039	0	8479	0	1393	0	789	0	1600	0	10079	0	10634	6319	13294	6319	17688	11233	823	1444	0	1572	48	3.5	2257	0.32	0.66	0.64
28	4X4	top third (ke=0.8)	6092	0	7532	0	966	0	700	0	1193	0	8725	0	10634	6319	13294	6319	17688	11233	712	1444	0	1572	48	3.5	2257	0.24	0.57	0.57
29	4X4	top third (ke=0.8)	353	0	1793	0	81	0	167	0	185	0	1978	0	7806	6319	8673	6319	9546	11233	161	779	0	1572	94	3.5	589	0.04	0.05	0.21
64	4X4	bot third (ke=0.8)	8568	25	9468	25	1587	0	881	0	1815	0	11283	25	11183	7054	13623	7054	17167	12541	921	1401	3	1755	60	3.5	1445	0.44	0.77	0.70
65	4X4	bot third (ke=0.8)	8549	25	9449	25	1587	0	879	0	1814	0	11263	25	11789	7054	14695	7054	19430	12541	919	1586	3	1755	48	3.5	2257	0.34	0.73	0.65
66	4X4	bot third (ke=0.8)	8532	122	9432	122	1587	0	877	0	1813	0	11244	122	11789	7054	14695	7054	19430	12541	918	1586	17	1755	48	3.5	2257	0.35	0.74	0.66
67	4X4	bot third (ke=0.8)	8514	122	9414	122	1586	0	875	0	1812	0	11226	122	11789	7054	14695	7054	19430	12541	916	1586	17	1755	48	3.5	2257	0.35	0.74	0.66
68	4X4	bot third (ke=0.8)	8293	0	9193	0	1580	0	855	0	1796	0	10989	0	11789	7054	14695	7054	19430	12541	897	1586	0	1755	48	3.5	2257	0.32	0.70	0.63
69	4X4	mid third (ke=0.8)	8278	0	9178	0	1580	0	854	0	1795	0	10974	0	11233	6699	14020	6699	18592	11910	896	1518	0	1667	48	3.5	2257	0.35	0.74	0.65
70	4X4	mid third (ke=0.8)	7665	0	8565	0	1459	0	797	0	1663	0	10227	0	11233	6699	14020	6699	18592	11910	835	1518	0	1667	48	3.5	2257	0.30	0.68	0.61
71	4X4	mid third (ke=0.8)	7116	0	8016	0	1469	0	745	0	1647	0	9663	0	11233	6699	14020	6699	18592	11910	789	1518	0	1667	48	3.5	2257	0.27	0.63	0.57
72	4X4	mid third (ke=0.8)	6485	0	7385	0	1460	0	687	0	1613	0	8998	0	11233	6699	14020	6699	18592	11910	735	1518	0	1667	48	3.5	2257	0.23	0.58	0.53
73	4X4	top third (ke=0.8)	6440	0	7340	0	1454	0	683	0	1606	0	8947	0	10634	6319	13294	6319	17688	11233	730	1444	0	1572	48	3.5	2257	0.26	0.61	0.55
74	4X4	top third (ke=0.8)	5808	0	6708	0	1443	0	624	0	1572	0	8280	0	10634	6319	13294	6319	17688	11233	676	1444	0	1572	48	3.5	2257	0.22	0.55	0.50
76	4X4	top third (ke=0.8)	5123	0	6023	0	660	0	560	0	866	0	6888	0	10634	6319	13294	6319	17688	11233	562	1444	0	1572	48	3.5	2257	0.15	0.48	0.45
77	4X4	top third (ke=0.8)	659	0	1559	0	97	0	145	0	174	0	1733	0	7806	6319	8673	6319	9546	11233	142	779	0	1572	94	3.5	589	0.03	0.08	0.18
98	4X4	bot third (ke=0.8)	1591	29	1591	29	1739	944	148	0	1746	944	3337	973	11183	7054	13623	7054	17167	12541	272	1401	136	1755	60	3.5	1445	0.13	0.15	0.12
99	4X4	bot third (ke=0.8)	1565	39	1565	39	1739	944	146	0	1745	944	3311	982	8121	7054	8874	7054	9604	12541	270	784	137	1755	96	3.5	564	0.27	0.20	0.18
100	4X4	bot third (ke=0.8)	1548	49	1548	49	1739	850	144	0	1745	850	3293	900	8121	7054	8874	7054	9604	12541	269	784	126	1755	96	3.5	564	0.25	0.20	0.18
101	4X4	bot third (ke=0.8)	1523	49	1523	49	1739	348	142	0	1745	348	3267	398	11789	7054	14695	7054	19430	12541	267	1586	56	1755	48	3.5	2257	0.06	0.14	0.11
102	4X4	mid third (ke=0.8)	1281	0	1281	0	1736	0	119	0	1740	0	3021	0	8966	6699	10202	6699	11535	11910	247	942	0	1667	84	3.5	737	0.07	0.14	0.13
103	4X4	mid third (ke=0.8)	891	0	891	0	1728	0	83	0	1730	0	2621	0	7889	6699	8662	6699	9420	11910	214	769	0	1667	96	3.5	564	0.08	0.11	0.10
104	4X4	top third (ke=0.8)	606	0	606	0	1697	0	56	0	1698	0	2304	0	7639	6319	8441	6319	9237	11233	188	754	0	1572	96	3.5	564	0.06	0.08	0.07
106	4X4	top third (ke=0.8)	50	0	50	0	1684	0	5	0	1684	0	1734	0	5736	6319	6046	6319	6332	11233	142	517	0	1572	120	3.5	361	0.07	0.01	0.01
107	4X4	top third (ke=0.8)	25	0	25	0	2	0	2	0	3	0	28	0	10634	6319	13294	6319	17688	11233	2	1444	0	1572	48	3.5	2257	0.00	0.00	0.00
122	4X4	bot third (ke=0.8)	2824	7	2824	7	4126	0	263	0	4134	0	6958	7	11183	7054	13623	7054	17167	12541	568	1401	1	1755	60	3.5	1445	0.17	0.25	0.21
123	4X4	bot third (ke=0.8)	2799	21	2799	21	4126	0	260	0	4134	0	6933	21	8512	7054	9401	7054	10283	12541	566	839	3	1755	92	3.5	614	0.48	0.33	0.30
124	4X4	bot third (ke=0.8)	2763	21	2763	21	4125	0	257	0	4133	0	6896	21	11789	7054	14695	7054	19430	12541	563	1586	3	1755	48	3.5	2257	0.13	0.24	0.19
125	4X4	mid third (ke=0.8)	2687	0	2687	0	4124	0	250	0	4131	0	6818	0	8966	6699	10202	6699	11535	11910	557	942	0	1667	84	3.5	737	0.35	0.30	0.26
126	4X4	mid third (ke=0.8)	2614	0	2614	0	4122	0	243	0	4129	0	6743	0	7889	6699	8662	6699	9420	11910	550	769	0	1667	96	3.5	564	0.51	0.33	0.30
127	4X4	top third (ke=0.8)	2567	0	2567	0	4120	0	239	0	4127	0	6695	0	7639	6319	8441	6319	9237	11233	547	754	0	1572	96	3.5	564	0.53	0.34	0.30
129	4X4	top third (ke=0.8)	1922	0	1922	0	106	0	179	0	208	0	2130	0	5736	6319	6046	6319	6332	11233	174	517	0	1572	120	3.5	361	0.11	0.34	0.32
142	4X4	bot third (ke=0.8)	3333	7	3333	7	4132	0	310	0	4144	0	7477	7	11183	7054	13623	7054	17167	12541	610	1401	1	1755	60	3.5	1445	0.19	0.30	0.25
143	4X4	bot third (ke=0.8)	3308	21	3308	21	4132	0	308	0	4143	0	7451	21	8512	7054	9401	7054	10283	12541	608	839	3	1755	92	3.5	614	0.69	0.39	0.35
144	4X4	bot third (ke=0.8)	3272	21	3272	21	4131	0	304	0	4143	0	7415	21	11789	7054	14695	7054	19430	12541	605	1586	3	1755	48	3.5	2257	0.15	0.28	0.23
145	4X4	mid third (ke=0.8)	3196	0	3196	0	4130	0	297	0	4141	0	7337	0	8966	6699	10202	6699	11535	11910	599	942	0	1667	84	3.5	737	0.40	0.36	0.31
146	4X4	mid third (ke=0.8)	3123	0	3123	0	4128	0	290	0	4139	0	7261	0	8253	6699	9162	6699	10076	11910	593	823	0	1667	92	3.5	614	0.52	0.38	0.34
147	4X4	top third (ke=0.8)	3076	0	3076	0	4127	0	286	0	4137	0	7213	0	7973	6319	8909	6319	9867	11233	589	805	0	1572	92	3.5	614	0.53	0.39	0.35

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

KcE = 0.3 E' = 1415250 psi
d1 = 3.5 inches d2 = 3.5 inches S = 7.146 in^3

Main Bent - 4x4 Members

Element	Section	Location	DL Only Axial lbs	DL Only Moment lb*in	Dead plus Snow Load Axial lbs	Dead plus Snow Load Moment lb*in	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	Dead Load Only Allowable Axial lbs	Dead Load Only Allowable Moment lb*in	Dead Load Plus Snow Allowable Axial lbs	Dead Load Plus Snow Allowable Moment lb*in	DL + Snow + Seismic Allowable Axial lbs	DL + Snow + Seismic Allowable Moment lb*in	Applied Comp. axial stress fc psi	Allowed Comp. axial stress Fc psi	Applied Bending stress fb psi	Allowed Bending stress Fb psi	Unbraced length in	de in	FcE psi	DL + Snow +Seismic Combined Axial and Bending Ratio	Interaction Ratios note 2 Dead Load Only	Interaction Ratios note 2 Dead Load Plus Snow
149	4X4	top third (ke=0.8)	1922	0	1922	0	107	0	179	0	209	0	2130	0	5736	6319	6046	6319	6332	11233	174	517	0	1572	120	3.5	361	0.11	0.34	0.32
163	4X4	bot third (ke=0.8)	1591	29	1591	29	1748	944	148	0	1754	944	3345	973	11183	7054	13623	7054	17167	12541	273	1401	136	1755	60	3.5	1445	0.13	0.15	0.12
164	4X4	bot third (ke=0.8)	1565	39	1565	39	1748	944	146	0	1754	944	3319	982	8121	7054	8874	7054	9604	12541	271	784	137	1755	96	3.5	564	0.27	0.20	0.18
165	4X4	bot third (ke=0.8)	1548	49	1548	49	1748	850	144	0	1754	850	3301	900	8121	7054	8874	7054	9604	12541	269	784	126	1755	96	3.5	564	0.26	0.20	0.18
166	4X4	bot third (ke=0.8)	1523	49	1523	49	1747	348	142	0	1753	348	3276	398	11789	7054	14695	7054	19430	12541	267	1586	56	1755	48	3.5	2257	0.06	0.14	0.11
167	4X4	mid third (ke=0.8)	1281	0	1281	0	1744	0	119	0	1748	0	3029	0	8966	6699	10202	6699	11535	11910	247	942	0	1667	84	3.5	737	0.07	0.14	0.13
168	4X4	mid third (ke=0.8)	891	0	891	0	1737	0	83	0	1739	0	2629	0	7889	6699	8662	6699	9420	11910	215	769	0	1667	96	3.5	564	0.08	0.11	0.10
169	4X4	top third (ke=0.8)	606	0	606	0	1721	0	56	0	1722	0	2327	0	7639	6319	8441	6319	9237	11233	190	754	0	1572	96	3.5	564	0.06	0.08	0.07
171	4X4	top third (ke=0.8)	50	0	50	0	1708	0	5	0	1708	0	1758	0	5736	6319	6046	6319	6332	11233	143	517	0	1572	120	3.5	361	0.08	0.01	0.01
172	4X4	top third (ke=0.8)	25	0	25	0	2	0	2	0	3	0	28	0	10634	6319	13294	6319	17688	11233	2	1444	0	1572	48	3.5	2257	0.00	0.00	0.00
183	4X4	top third (ke=0.8)	7016	0	8456	0	1392	9	786	0	1599	9	10055	9	10634	6319	13294	6319	17688	11233	821	1444	1	1572	48	3.5	2257	0.32	0.66	0.64
191	4X4	bot third (ke=0.8)	9410	25	10310	25	1595	0	959	0	1861	0	12171	25	11183	7054	13623	7054	17167	12541	994	1401	3	1755	60	3.5	1445	0.51	0.85	0.76
192	4X4	bot third (ke=0.8)	9392	25	10292	25	1595	0	957	0	1860	0	12152	25	11789	7054	14695	7054	19430	12541	992	1586	3	1755	48	3.5	2257	0.39	0.80	0.70
193	4X4	bot third (ke=0.8)	9374	122	10274	122	1595	0	955	0	1859	0	12133	122	11789	7054	14695	7054	19430	12541	990	1586	17	1755	48	3.5	2257	0.41	0.81	0.72
194	4X4	bot third (ke=0.8)	9356	122	10256	122	1595	0	954	0	1858	0	12114	122	11789	7054	14695	7054	19430	12541	989	1586	17	1755	48	3.5	2257	0.41	0.81	0.72
195	4X4	bot third (ke=0.8)	9135	0	10035	0	1588	0	933	0	1842	0	11877	0	11789	7054	14695	7054	19430	12541	970	1586	0	1755	48	3.5	2257	0.37	0.77	0.68
196	4X4	mid third (ke=0.8)	9121	0	10021	0	1588	0	932	0	1841	0	11862	0	11233	6699	14020	6699	18592	11910	968	1518	0	1667	48	3.5	2257	0.41	0.81	0.71
197	4X4	mid third (ke=0.8)	8507	0	9407	0	1483	0	875	0	1721	0	11129	0	11233	6699	14020	6699	18592	11910	908	1518	0	1667	48	3.5	2257	0.36	0.76	0.67
198	4X4	mid third (ke=0.8)	7958	0	8858	0	1493	0	824	0	1705	0	10563	0	11233	6699	14020	6699	18592	11910	862	1518	0	1667	48	3.5	2257	0.32	0.71	0.63
199	4X4	mid third (ke=0.8)	7327	0	8227	0	1482	0	765	0	1668	0	9896	0	11233	6699	14020	6699	18592	11910	808	1518	0	1667	48	3.5	2257	0.28	0.65	0.59
200	4X4	top third (ke=0.8)	7283	0	8183	0	1477	0	761	0	1662	0	9845	0	10634	6319	13294	6319	17688	11233	804	1444	0	1572	48	3.5	2257	0.31	0.68	0.62
201	4X4	top third (ke=0.8)	6650	0	7550	0	1465	0	702	0	1625	0	9175	0	10634	6319	13294	6319	17688	11233	749	1444	0	1572	48	3.5	2257	0.27	0.63	0.57
203	4X4	top third (ke=0.8)	5940	0	6840	0	697	0	636	0	943	0	7784	0	10634	6319	13294	6319	17688	11233	635	1444	0	1572	48	3.5	2257	0.19	0.56	0.51
204	4X4	top third (ke=0.8)	1502	0	2402	0	153	0	223	0	271	0	2673	0	7806	6319	8673	6319	9546	11233	218	779	0	1572	94	3.5	589	0.08	0.19	0.28
243	4X4	mid third (ke=0.8)	8790	0	10230	0	1441	0	951	0	1726	0	11956	0	11233	6699	14020	6699	18592	11910	976	1518	0	1667	48	3.5	2257	0.41	0.78	0.73
244	4X4	mid third (ke=0.8)	8361	0	9801	0	1430	0	911	0	1696	0	11497	0	11374	6699	14267	6699	19124	11910	939	1561	0	1667	44	3.5	2686	0.36	0.74	0.69
245	4X4	top third (ke=0.8)	8340	0	9780	0	1430	0	910	0	1695	0	11475	0	10634	6319	13294	6319	17688	11233	937	1444	0	1572	48	3.5	2257	0.42	0.78	0.74
246	4X4	top third (ke=0.8)	7685	0	9125	0	1414	0	849	0	1649	0	10774	0	10634	6319	13294	6319	17688	11233	880	1444	0	1572	48	3.5	2257	0.37	0.72	0.69
248	4X4	top third (ke=0.8)	6686	0	8126	0	991	0	756	0	1246	0	9372	0	10634	6319	13294	6319	17688	11233	765	1444	0	1572	48	3.5	2257	0.28	0.63	0.61
249	4X4	top third (ke=0.8)	999	0	2439	0	120	0	227	0	257	0	2695	0	7806	6319	8673	6319	9546	11233	220	779	0	1572	94	3.5	589	0.08	0.13	0.28
281	4X4	top third (ke=0.8)	7009	0	8449	0	1392	9	786	0	1599	9	10047	9	10634	6319	13294	6319	17688	11233	820	1444	1	1572	48	3.5	2257	0.32	0.66	0.64
282	4X4	top third (ke=0.8)	5763	0	6663	0	1436	9	620	0	1564	9	8227	9	10634	6319	13294	6319	17688	11233	672	1444	1	1572	48	3.5	2257	0.22	0.54	0.50
283	4X4	top third (ke=0.8)	5756	0	6656	0	1436	9	619	0	1564	9	8220	9	10634	6319	13294	6319	17688	11233	671	1444	1	1572	48	3.5	2257	0.22	0.54	0.50
284	4X4	top third (ke=0.8)	434	0	434	0	1695	25	40	0	1696	25	2130	25	8621	6319	9873	6319	11256	11233	174	919	4	1572	84	3.5	737	0.04	0.05	0.04
285	4X4	top third (ke=0.8)	416	0	416	0	1695	25	39	0	1695	25	2111	25	10634	6319	13294	6319	17688	11233	172	1444	4	1572	48	3.5	2257	0.02	0.04	0.03
286	4X4	top third (ke=0.8)	2532	0	2532	0	4141	24	235	0	4148	24	6680	24	8621	6319	9873	6319	11256	11233	545	919	3	1572	84	3.5	737	0.36	0.29	0.26
287	4X4	top third (ke=0.8)	2514	0	2514	0	4141	24	234	0	4147	24	6661	24	10634	6319	13294	6319	17688	11233	544	1444	3	1572	48	3.5	2257	0.14	0.24	0.19
288	4X4	top third (ke=0.8)	3041	0	3041	0	4156	24	283	0	4166	24	7207	24	8621	6319	9873	6319	11256	11233	588	919	3	1572	84	3.5	737	0.42	0.35	0.31
289	4X4	top third (ke=0.8)	3023	0	3023	0	4156	24	281	0	4165	24	7188	24	10634	6319	13294	6319	17688	11233	587	1444	3	1572	48	3.5	2257	0.17	0.28	0.23
290	4X4	top third (ke=0.8)	434	0	434	0	1719	25	40	0	1720	25	2153	25	8621	6319	9873	6319	11256	11233	176	919	4	1572	84	3.5	737	0.04	0.05	0.04

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

KcE = 0.3 E' = 1415250 psi
d1 = 3.5 inches d2 = 3.5 inches S = 7.146 in^3

Main Bent - 4x4 Members

Element	Section	Location	DL Only Axial lbs	DL Only Moment lb*in	Dead plus Snow Load Axial lbs	Dead plus Snow Load Moment lb*in	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	Dead Load Only Allowable Axial lbs	Dead Load Only Allowable Moment lb*in	Dead Load Plus Snow Allowable Axial lbs	Dead Load Plus Snow Allowable Moment lb*in	DL + Snow + Seismic Allowable Axial lbs	DL + Snow + Seismic Allowable Moment lb*in	Applied Comp. axial stress fc psi	Allowed Comp. axial stress Fc psi	Applied Bending stress fb psi	Allowed Bending stress Fb psi	Unbraced length in	de in	FcE psi	DL + Snow +Seismic Combined Axial and Bending Ratio	Interaction Ratios note 2 Dead Load Only	Interaction Ratios note 2 Dead Load Plus Snow
291	4X4	top third (ke=0.8)	416	0	416	0	1719	25	39	0	1719	25	2135	25	10634	6319	13294	6319	17688	11233	174	1444	4	1572	48	3.5	2257	0.02	0.04	0.03
292	4X4	top third (ke=0.8)	6606	0	7506	0	1459	9	698	0	1618	9	9123	9	10634	6319	13294	6319	17688	11233	745	1444	1	1572	48	3.5	2257	0.27	0.62	0.56
293	4X4	top third (ke=0.8)	6599	0	7499	0	1459	9	697	0	1617	9	9116	9	10634	6319	13294	6319	17688	11233	744	1444	1	1572	48	3.5	2257	0.27	0.62	0.56
294	4X4	top third (ke=0.8)	7662	0	9102	0	1414	10	846	0	1648	10	10750	10	10634	6319	13294	6319	17688	11233	878	1444	1	1572	48	3.5	2257	0.37	0.72	0.68
295	4X4	top third (ke=0.8)	7655	0	9095	0	1414	9	846	0	1648	9	10743	9	10634	6319	13294	6319	17688	11233	877	1444	1	1572	48	3.5	2257	0.37	0.72	0.68

Note 1: The amount of snow load taken by each column was determined based on the area of top cover around the column. For some of the columns this resulted in a 1,440 lb per column load (6'x6'x 40 psf). For other columns, the fan stack opening reduced the amount of applied snow load. This difference is accounted for in the column axial dead loads above.

Note 2: The DL only and DL + Snow interaction ratios shown are for P/A stress only. The moments from the DL condition are negligible. The seismic bending moments are accounted for in the table above under the combined axial and bending ratio.

Maximum Interaction Ratios		
DL + Snow + Seismic	Dead Load Only	DL + Snow
0.69	0.85	0.76

Per Section 3.9.2 of reference 11, the wood members subject to both axial compression and bending shall satisfy the following equation:

$$\left(\frac{f_c}{Fc}\right)^2 + \frac{f_b}{F_b \cdot \left[1 - \left(\frac{f_c}{F_{cE}}\right)\right]}$$

where fc is the applied axial stress, Fc is the allowable compressive stress, fb is the applied bending stress and FcE is defined as follows:

$$FcE = \frac{K_{cE} \cdot (E)}{\left(\frac{l}{d}\right)^2}$$

- fc and Fc are determined in the tables as applied loads. This is the same ratio as comparing the stresses.
- fb and Fb are also determined in the tables above as applied and allowable bending moments.
- KcE is defined as 0.3
- E is the modulus of elasticity adjusted for temperature and moisture and is determined in the allowable load derivation section.

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JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Main Bent Summary - 4x4 Member Braces

Element	Section	Location	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	DL + Snow + Seismic Allowables Axial lbs	DL + Snow + Seismic Allowables Moment lb*in	Interaction Ratios DL + Snow + Seismic
35	4X4	top third (ke=1.0)	993	0	0	0	993	0	993	0	16957	11233	0.06
36	4X4	top third (ke=1.0)	1904	0	0	0	1904	0	1904	0	16957	11233	0.11
56	4X4	top third (ke=1.0)	1906	0	0	0	1906	0	1906	0	16957	11233	0.11
57	4X4	top third (ke=1.0)	991	0	0	0	991	0	991	0	16957	11233	0.06
114	4X4	mid third (ke=1.0)	7089	0	0	0	7089	0	7089	0	7365	12541	0.96
117	4X4	top third (ke=1.0)	2010	0	0	0	2010	0	2010	0	5236	11233	0.38
130	4X4	top third (ke=1.0)	6979	0	0	0	6979	0	6979	0	12015	11233	0.58
131	4X4	top third (ke=1.0)	6965	0	0	0	6965	0	6965	0	12015	11233	0.58
140	4X4	top third (ke=1.0)	6967	0	0	0	6967	0	6967	0	12015	11233	0.58
141	4X4	top third (ke=1.0)	6977	0	0	0	6977	0	6977	0	12015	11233	0.58
155	4X4	mid third (ke=1.0)	7088	0	0	0	7088	0	7088	0	7365	12541	0.96
158	4X4	top third (ke=1.0)	2039	0	0	0	2039	0	2039	0	5236	11233	0.39
211	4X4	top third (ke=1.0)	1908	0	0	0	1908	0	1908	0	16957	11233	0.11
212	4X4	top third (ke=1.0)	991	0	0	0	991	0	991	0	16957	11233	0.06
232	4X4	top third (ke=1.0)	993	0	0	0	993	0	993	0	16957	11233	0.06
233	4X4	top third (ke=1.0)	1906	0	0	0	1906	0	1906	0	16957	11233	0.11

Maximum Interaction Ratios
DL + Snow + Seismic
0.96

ABS Consulting

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Main Bent - 4x6 Member Braces

Element	Section	Location	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	DL + Snow + Seismic Allowables Axial lbs	DL + Snow + Seismic Allowables Moment lb*in	Interaction Ratios DL + Snow + Seismic
42	4X6	bot third (ke=1.0)	7315	0	0	0	7315	0	7315	0	9318	30975	0.79
88	4X6	mid third (ke=1.0)	7215	0	0	0	7215	0	7215	0	9318	30975	0.77
182	4X6	mid third (ke=1.0)	7229	0	0	0	7229	0	7229	0	9318	30975	0.78
218	4X6	bot third (ke=1.0)	7317	0	0	0	7317	0	7317	0	9318	30975	0.79

Maximum Interaction Ratios
DL + Snow + Seismic
0.79

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 0

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Main Bent Summary - (2) 4x4 Members

KcE = 0.3 E' = 1445850 psi
d1 = 3.5 inches d2 = 3.5 inches S = 7.146 in^3

Element	Section	Location	DL Only Axial lbs	DL Only Moment lb*in	Dead plus Snow Load Axial lbs	Dead plus Snow Load Moment lb*in	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	Dead Load Only Allowable Axial lbs	Dead Load Only Allowable Moment lb*in	Dead Load Plus Snow Allowable Axial lbs	Dead Load Plus Snow Allowable Moment lb*in	DL + Snow + Seismic Allowable Axial lbs	DL + Snow + Seismic Allowable Moment lb*in	Applied Comp. axial stress fc psi	Allowed Comp. axial stress Fc psi	Applied Bending stress fb psi	Allowed Bending stress Fb psi	Unbraced length in	de in	FcE psi	DL + Snow +Seismic Combined Axial and Bending Ratio	Interaction Ratios note 2 Dead Load Only	Interaction Ratios note 2 Dead Load Plus Snow
19	2X4X4	bot third (ke=0.8)	12328	4430	13768	4430	1532	2967	1280	0	1996	2967	15764	7397	23577	14109	29389	14109	38859	25082	643	1586	1035	3510	48	3.5	2306	0.57	0.84	0.78
20	2X4X4	bot third (ke=0.8)	12193	4430	13633	4430	1532	2967	1268	0	1988	2967	15621	7397	23577	14109	29389	14109	38859	25082	638	1586	1035	3510	48	3.5	2306	0.57	0.83	0.78
21	2X4X4	mid third (ke=0.8)	11983	0	13423	0	1528	4700	1248	0	1973	4700	15396	4700	22465	13399	28041	13399	37185	23820	628	1518	658	3333	48	3.5	2306	0.44	0.53	0.48
22	2X4X4	mid third (ke=0.8)	12207	0	13647	0	1545	0	1269	0	1999	0	15646	0	22465	13399	28041	13399	37185	23820	639	1518	0	3333	48	3.5	2306	0.18	0.54	0.49
239	2X4X4	bot third (ke=0.8)	13123	4430	14563	4430	1572	2966	1354	0	2075	2966	16638	7396	23577	14109	29389	14109	38859	25082	679	1586	1035	3510	48	3.5	2306	0.60	0.87	0.81
240	2X4X4	bot third (ke=0.8)	12988	4430	14428	4430	1572	2966	1342	0	2067	2966	16495	7396	23577	14109	29389	14109	38859	25082	673	1586	1035	3510	48	3.5	2306	0.60	0.86	0.80
241	2X4X4	mid third (ke=0.8)	12778	0	14218	0	1568	4700	1322	0	2051	4700	16270	4700	22465	13399	28041	13399	37185	23820	664	1518	658	3333	48	3.5	2306	0.47	0.57	0.51
242	2X4X4	mid third (ke=0.8)	13033	0	14473	0	1588	0	1346	0	2082	0	16555	0	22465	13399	28041	13399	37185	23820	676	1518	0	3333	48	3.5	2306	0.20	0.58	0.52

Note 1: The amount of snow load taken by each column was determined based on the area of top cover around the column. For some of the columns this resulted in a 1,440 lb per column load (6'x6'x 40 psf). For other columns, the fan stack opening reduced the amount of applied snow load. This difference is accounted for in the column axial dead loads above.

Note 2: The DL only and DL + Snow interaction ratios shown are for P/A stress only. The moments from the DL condition are negligible. The seismic bending moments are accounted for in the table above under the combined axial and bending ratio.

The base of the companion posts are elements 19 and 239. As the bottom of the posts have been trimmed to a width of 1", check compressive stress on section. Buckling reduction factor is not required.

At the base of the posts the DL load allowable compressive load = 16261 lbs. Allowable loads are from the compressive capacity part of this calculation. This is the allowable stress prior to the buckling capacity factor being applied and using load factor = 0.9
At the base of the posts the DL + Snow load allowable compressive load = 20779 lbs. Allowable dead load adjusted for snow load = (DL allow)*(1.15/0.9)
At the base of the posts the seismic allowable compressive load = 28909 lbs. Allowable seismic load = (DL allow)*(1.6/0.9)

DL only fa / Fc = 0.81
DL + Snow fa / Fc = 0.70
DL + Snow + Seismic fa / Fc = 0.58

Maximum Interaction Ratios		
DL + Snow + Seismic	Dead Load Only	DL + Snow
0.60	0.87	0.81

Per Section 3.9.2 of reference 11, the wood members subject to both axial compression and bending shall satisfy the following equation:

$$\left(\frac{f_c}{Fc}\right)^2 + \frac{f_b}{F_b \cdot \left[1 - \left(\frac{f_c}{F_{cE}}\right)\right]}$$

where fc is the applied axial stress, Fc is the allowable compressive stress, fb is the applied bending stress and FcE is defined as follows:

$$FcE = \frac{K_{cE} \cdot (E)}{\left(\frac{l}{d}\right)^2}$$

- fc and Fc are determined in the tables as applied loads. This is the same ratio as comparing the stresses.
- fb and Fb are also determined in the tables above as applied and allowable bending moments.
- KcE is defined as 0.3
- E is the modulus of elasticity adjusted for temperature and moisture and is determined in the allowable load derivation section.

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

KcE = 0.3 E' = 1415250 psi
d1 = 3.5 inches d2 = 3.5 inches S = 7.146 in^3

Partition Bent Summary - 4x4 Members

Element	Section	Location	DL Only Axial lbs	DL Only Moment lb*in	Dead plus Snow Load Axial lbs	Dead plus Snow Load Moment lb*in	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	Dead Load Only Allowables Axial lbs	Dead Load Only Allowables Moment lb*in	Dead Load Plus Snow Allowable Axial lbs	Dead Load Plus Snow Allowable Moment lb*in	DL + Snow + Seismic Allowables Axial lbs	DL + Snow + Seismic Allowables Moment lb*in	Applied Comp. axial stress fc psi	Allowed Comp. axial stress Fc psi	Applied Bending stress fb psi	Allowed Bending stress Fb psi	Unbraced length in	de in	FcE psi	DL + Snow +Seismic Combined Axial and Bending Ratio	Interaction Ratios note 2 Dead Load Only	Interaction Ratios note 2 Dead Load Plus Snow
19	4X4	mid third (ke = 0.8)	9538	0	10258	0	1582	0	954	0	1847	0	12105	0	11374	6699	14267	8560	19124	11910	988	1561	0	1667	44	3.5	2686	0.63	0.84	0.72
20	4X4	mid third (ke = 0.8)	8965	0	9685	0	1541	0	901	0	1785	0	11471	0	11233	6699	14020	8560	18592	11910	936	1518	0	1667	48	3.5	2257	0.62	0.80	0.69
21	4X4	top third (ke = 0.8)	8662	0	9382	0	1537	0	873	0	1768	0	11150	0	10634	6319	13294	8074	17688	11233	910	1444	0	1572	48	3.5	2257	0.63	0.81	0.71
22	4X4	top third (ke = 0.8)	7722	0	8442	0	1501	0	785	0	1694	0	10136	0	10634	6319	13294	8074	17688	11233	827	1444	0	1572	48	3.5	2257	0.57	0.73	0.64
23	4X4	top third (ke = 0.8)	7416	0	8136	0	1495	0	757	0	1676	0	9812	0	10634	6319	13294	8074	17688	11233	801	1444	0	1572	48	3.5	2257	0.55	0.70	0.61
24	4X4	top third (ke = 0.8)	6779	0	7499	0	1035	0	697	0	1248	0	8747	0	10634	6319	13294	8074	17688	11233	714	1444	0	1572	48	3.5	2257	0.49	0.64	0.56
25	4X4	top third (ke = 0.8)	1073	0	1793	0	106	0	167	0	197	0	1990	0	7806	6319	8673	8074	9546	11233	162	779	0	1572	94	3.5	589	0.21	0.14	0.21
46	4X4	bot third (ke = 0.8)	10508	0	11948	0	1763	0	1111	0	2084	0	14032	0	11183	7054	13623	9014	17167	12541	1146	1401	0	1755	60	3.5	1445	0.82	0.94	0.88
47	4X4	bot third (ke = 0.8)	10490	0	11930	0	1763	0	1109	0	2083	0	14013	0	11789	7054	14695	9014	19430	12541	1144	1586	0	1755	48	3.5	2257	0.72	0.89	0.81
48	4X4	bot third (ke = 0.8)	10472	0	11912	0	1763	0	1108	0	2082	0	13994	0	11789	7054	14695	9014	19430	12541	1142	1586	0	1755	48	3.5	2257	0.72	0.89	0.81
49	4X4	bot third (ke = 0.8)	10454	0	11894	0	1763	0	1106	0	2081	0	13975	0	11789	7054	14695	9014	19430	12541	1141	1586	0	1755	48	3.5	2257	0.72	0.89	0.81
50	4X4	bot third (ke = 0.8)	10079	0	11519	0	1572	0	1071	0	1902	0	13421	0	11789	7054	14695	9014	19430	12541	1096	1586	0	1755	48	3.5	2257	0.69	0.85	0.78
51	4X4	mid third (ke = 0.8)	9826	0	11266	0	1566	0	1048	0	1884	0	13150	0	11233	6699	14020	8560	18592	11910	1073	1518	0	1667	48	3.5	2257	0.71	0.87	0.80
52	4X4	mid third (ke = 0.8)	8930	0	10370	0	1436	0	964	0	1729	0	12099	0	11233	6699	14020	8560	18592	11910	988	1518	0	1667	48	3.5	2257	0.65	0.79	0.74
53	4X4	mid third (ke = 0.8)	8156	0	9596	0	1401	0	892	0	1661	0	11257	0	11233	6699	14020	8560	18592	11910	919	1518	0	1667	48	3.5	2257	0.61	0.73	0.68
54	4X4	mid third (ke = 0.8)	7242	0	8682	0	1366	0	807	0	1587	0	10269	0	11233	6699	14020	8560	18592	11910	838	1518	0	1667	48	3.5	2257	0.55	0.64	0.62
55	4X4	top third (ke = 0.8)	6916	0	8356	0	1321	0	777	0	1532	0	9889	0	10634	6319	13294	8074	17688	11233	807	1444	0	1572	48	3.5	2257	0.56	0.65	0.63
56	4X4	top third (ke = 0.8)	6001	0	7441	0	1279	0	692	0	1454	0	8895	0	10634	6319	13294	8074	17688	11233	726	1444	0	1572	48	3.5	2257	0.50	0.56	0.56
57	4X4	top third (ke = 0.8)	5675	0	7115	0	1219	0	662	0	1387	0	8502	0	10634	6319	13294	8074	17688	11233	694	1444	0	1572	48	3.5	2257	0.48	0.53	0.54
58	4X4	top third (ke = 0.8)	5095	0	6535	0	789	0	608	0	996	0	7531	0	10634	6319	13294	8074	17688	11233	615	1444	0	1572	48	3.5	2257	0.43	0.48	0.49
59	4X4	top third (ke = 0.8)	530	0	1970	0	157	0	183	0	242	0	2212	0	7806	6319	8673	8074	9546	11233	181	779	0	1572	94	3.5	589	0.23	0.07	0.23
72	4X4	bot third (ke = 0.8)	4478	0	5918	0	2826	0	550	0	2879	0	8797	0	11183	7054	13623	9014	17167	12541	718	1401	0	1755	60	3.5	1445	0.51	0.40	0.43
73	4X4	bot third (ke = 0.8)	4452	0	5892	0	2550	142	548	0	2608	142	8501	142	11789	7054	14695	9014	19430	12541	694	1586	20	1755	48	3.5	2257	0.21	0.38	0.40
74	4X4	bot third (ke = 0.8)	4435	0	5875	0	2550	142	546	0	2608	142	8482	142	11789	7054	14695	9014	19430	12541	692	1586	20	1755	48	3.5	2257	0.21	0.38	0.40
75	4X4	bot third (ke = 0.8)	4410	0	5850	0	2550	0	544	0	2607	0	8457	0	11789	7054	14695	9014	19430	12541	690	1586	0	1755	48	3.5	2257	0.44	0.37	0.40
76	4X4	mid third (ke = 0.8)	3930	0	5370	0	2544	0	499	0	2593	0	7963	0	8966	6699	10202	8560	11535	11910	650	942	0	1667	84	3.5	737	0.69	0.44	0.53
77	4X4	mid third (ke = 0.8)	3019	0	4459	0	2530	0	415	0	2564	0	7022	0	7889	6699	8662	8560	9420	11910	573	769	0	1667	96	3.5	564	0.75	0.38	0.51
78	4X4	top third (ke = 0.8)	2168	0	3608	0	1120	0	336	0	1170	0	4777	0	7639	6319	8441	8074	9237	11233	390	754	0	1572	96	3.5	564	0.52	0.28	0.43
79	4X4	top third (ke = 0.8)	1430	0	2870	0	1094	0	267	0	1126	0	3996	0	7639	6319	8441	8074	9237	11233	326	754	0	1572	96	3.5	564	0.43	0.19	0.34
80	4X4	top third (ke = 0.8)	720	0	2160	0	1064	0	201	0	1083	0	3242	0	5736	6319	6046	8074	6332	11233	265	517	0	1572	120	3.5	361	0.51	0.13	0.36
81	4X4	top third (ke = 0.8)	695	0	2135	0	125	0	199	0	235	0	2370	0	5736	6319	6046	8074	6332	11233	193	517	0	1572	120	3.5	361	0.37	0.12	0.35
94	4X4	bot third (ke = 0.8)	3585	0	5025	0	4676	0	467	0	4700	0	9725	0	11183	7054	13623	9014	17167	12541	794	1401	0	1755	60	3.5	1445	0.57	0.32	0.37
95	4X4	bot third (ke = 0.8)	3560	0	5000	0	4676	0	465	0	4699	0	9699	0	8316	7054	9135	9014	9937	12541	792	811	0	1755	94	3.5	589	0.98	0.43	0.55
96	4X4	bot third (ke = 0.8)	3524	0	4964	0	4670	0	462	0	4692	0	9657	0	11789	7054	14695	9014	19430	12541	788	1586	0	1755	48	3.5	2257	0.50	0.30	0.34
97	4X4	mid third (ke = 0.8)	3210	0	4650	0	4663	0	432	0	4683	0	9333	0	8966	6699	10202	8560	11535	11910	762	942	0	1667	84	3.5	737	0.81	0.36	0.46
98	4X4	mid third (ke = 0.8)	2616	0	4056	0	4980	0	377	0	4994	0	9049	0	7889	6699	8662	8560	9420	11910	739	769	0	1667	96	3.5	564	0.96	0.33	0.47
99	4X4	top third (ke = 0.8)	2003	0	3443	0	4950	0	320	0	4961	0	8404	0	7639	6319	8441	8074	9237	11233	686	754	0	1572	96	3.5	564	0.91	0.26	0.41
100	4X4	top third (ke = 0.8)	1402	0	2842	0	4976	0	264	0	4983	0	7825	0	7221	6319	7878	8074	8513	11233	639	695	0	1572	101	3.5	510	0.92	0.19	0.36
101	4X4	top third (ke = 0.8)	720	0	2160	0	204	0	201	0	286	0	2446	0	5736	6319	6046	8074	6332	11233	200	517	0	1572	120	3.5	361	0.39	0.13	0.36
118	4X4	bot third (ke = 0.8)	3585	0	5025	0	4675	0	467	0	4698	0	9724	0	11183	7054	13623	9014	17167	12541	794	1401	0	1755	60	3.5	1445	0.57	0.32	0.37
119	4X4	bot third (ke = 0.8)	3560	0	5000	0	4675	0	465	0	4698	0	9698	0	8316	7054	9135	9014	9937	12541	792	811	0	1755	94	3.5	589	0.98	0.43	0.55
120	4X4	bot third (ke = 0.8)	3524	0	4964	0	4668	0	462	0	4691	0	9655	0	11789	7054	14695	9014	19430	12541	788	1586	0	1755	48	3.5	2257	0.50	0.30	0.34

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Partition Bent Summary - 4x4 Members

KcE = 0.3 | E' = 1415250 psi
d1 = 3.5 inches | d2 = 3.5 inches | S = 7.146 in^3

Element	Section	Location	DL Only Axial lbs	DL Only Moment lb*in	Dead plus Snow Load Axial lbs	Dead plus Snow Load Moment lb*in	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	Dead Load Only Allowables Axial lbs	Dead Load Only Allowables Moment lb*in	Dead Load Plus Snow Allowable Axial lbs	Dead Load Plus Snow Allowable Moment lb*in	DL + Snow + Seismic Allowables Axial lbs	DL + Snow + Seismic Allowables Moment lb*in	Applied Comp. axial stress fc psi	Allowed Comp. axial stress Fc psi	Applied Bending stress fb psi	Allowed Bending stress Fb psi	Unbraced length in	de in	FcE psi	DL + Snow +Seismic Combined Axial and Bending Ratio	Interaction Ratios note 2 Dead Load Only	Interaction Ratios note 2 Dead Load Plus Snow
121	4X4	mid third (ke = 0.8)	3210	0	4650	0	4661	0	432	0	4681	0	9331	0	8966	6699	10202	8560	11535	11910	762	942	0	1667	84	3.5	737	0.81	0.36	0.46
122	4X4	mid third (ke = 0.8)	2616	0	4056	0	4977	0	377	0	4991	0	9047	0	7889	6699	8662	8560	9420	11910	739	769	0	1667	96	3.5	564	0.96	0.33	0.47
123	4X4	top third (ke = 0.8)	2003	0	3443	0	4948	0	320	0	4958	0	8402	0	7639	6319	8441	8074	9237	11233	686	754	0	1572	96	3.5	564	0.91	0.26	0.41
124	4X4	top third (ke = 0.8)	1402	0	2842	0	4973	0	264	0	4980	0	7822	0	7639	6319	8441	8074	9237	11233	639	754	0	1572	96	3.5	564	0.85	0.18	0.34
125	4X4	top third (ke = 0.8)	720	0	2160	0	204	0	201	0	286	0	2446	0	5736	6319	6046	8074	6332	11233	200	517	0	1572	120	3.5	361	0.39	0.13	0.36
138	4X4	bot third (ke = 0.8)	4478	0	5918	0	2825	0	550	0	2878	0	8796	0	11183	7054	13623	9014	17167	12541	718	1401	0	1755	60	3.5	1445	0.51	0.40	0.43
139	4X4	bot third (ke = 0.8)	4452	0	5892	0	2550	142	548	0	2608	142	8500	142	11789	7054	14695	9014	19430	12541	694	1586	20	1755	48	3.5	2257	0.21	0.38	0.40
140	4X4	bot third (ke = 0.8)	4435	0	5875	0	2549	142	546	0	2607	142	8482	142	11789	7054	14695	9014	19430	12541	692	1586	20	1755	48	3.5	2257	0.21	0.38	0.40
141	4X4	bot third (ke = 0.8)	4410	0	5850	0	2549	0	544	0	2607	0	8456	0	11789	7054	14695	9014	19430	12541	690	1586	0	1755	48	3.5	2257	0.44	0.37	0.40
142	4X4	mid third (ke = 0.8)	3930	0	5370	0	2544	0	499	0	2592	0	7963	0	8966	6699	10202	8560	11535	11910	650	942	0	1667	84	3.5	737	0.69	0.44	0.53
143	4X4	mid third (ke = 0.8)	3019	0	4459	0	2529	0	415	0	2563	0	7022	0	7889	6699	8662	8560	9420	11910	573	769	0	1667	96	3.5	564	0.75	0.38	0.51
144	4X4	top third (ke = 0.8)	2168	0	3608	0	1122	0	336	0	1171	0	4779	0	7639	6319	8441	8074	9237	11233	390	754	0	1572	96	3.5	564	0.52	0.28	0.43
145	4X4	top third (ke = 0.8)	1430	0	2870	0	1096	0	267	0	1128	0	3998	0	7639	6319	8441	8074	9237	11233	326	754	0	1572	96	3.5	564	0.43	0.19	0.34
146	4X4	top third (ke = 0.8)	720	0	2160	0	1066	0	201	0	1085	0	3245	0	5736	6319	6046	8074	6332	11233	265	517	0	1572	120	3.5	361	0.51	0.13	0.36
147	4X4	top third (ke = 0.8)	695	0	2135	0	125	0	199	0	235	0	2370	0	5736	6319	6046	8074	6332	11233	193	517	0	1572	120	3.5	361	0.37	0.12	0.35
160	4X4	bot third (ke = 0.8)	10524	0	11964	0	1763	0	1113	0	2085	0	14049	0	11183	7054	13623	9014	17167	12541	1147	1401	0	1755	60	3.5	1445	0.82	0.94	0.88
161	4X4	bot third (ke = 0.8)	10506	0	11946	0	1763	0	1111	0	2084	0	14030	0	11789	7054	14695	9014	19430	12541	1145	1586	0	1755	48	3.5	2257	0.72	0.89	0.81
162	4X4	bot third (ke = 0.8)	10488	0	11928	0	1763	0	1109	0	2083	0	14011	0	11789	7054	14695	9014	19430	12541	1144	1586	0	1755	48	3.5	2257	0.72	0.89	0.81
163	4X4	bot third (ke = 0.8)	10470	0	11910	0	1763	0	1108	0	2082	0	13992	0	11789	7054	14695	9014	19430	12541	1142	1586	0	1755	48	3.5	2257	0.72	0.89	0.81
164	4X4	bot third (ke = 0.8)	10094	0	11534	0	1573	0	1073	0	1904	0	13438	0	11789	7054	14695	9014	19430	12541	1097	1586	0	1755	48	3.5	2257	0.69	0.86	0.78
165	4X4	mid third (ke = 0.8)	9842	0	11282	0	1566	0	1049	0	1885	0	13167	0	11233	6699	14020	8560	18592	11910	1075	1518	0	1667	48	3.5	2257	0.71	0.88	0.80
166	4X4	mid third (ke = 0.8)	8946	0	10386	0	1435	0	966	0	1730	0	12115	0	11233	6699	14020	8560	18592	11910	989	1518	0	1667	48	3.5	2257	0.65	0.80	0.74
167	4X4	mid third (ke = 0.8)	8156	0	9596	0	1401	0	892	0	1661	0	11257	0	11233	6699	14020	8560	18592	11910	919	1518	0	1667	48	3.5	2257	0.61	0.73	0.68
168	4X4	mid third (ke = 0.8)	7242	0	8682	0	1366	0	807	0	1587	0	10269	0	11233	6699	14020	8560	18592	11910	838	1518	0	1667	48	3.5	2257	0.55	0.64	0.62
169	4X4	top third (ke = 0.8)	6916	0	8356	0	1320	0	777	0	1532	0	9888	0	10634	6319	13294	8074	17688	11233	807	1444	0	1572	48	3.5	2257	0.56	0.65	0.63
170	4X4	top third (ke = 0.8)	6001	0	7441	0	1279	0	692	0	1454	0	8895	0	10634	6319	13294	8074	17688	11233	726	1444	0	1572	48	3.5	2257	0.50	0.56	0.56
171	4X4	top third (ke = 0.8)	5675	0	7115	0	1219	0	662	0	1387	0	8502	0	10634	6319	13294	8074	17688	11233	694	1444	0	1572	48	3.5	2257	0.48	0.53	0.54
172	4X4	top third (ke = 0.8)	5099	0	6539	0	789	0	608	0	996	0	7535	0	10634	6319	13294	8074	17688	11233	615	1444	0	1572	48	3.5	2257	0.43	0.48	0.49
173	4X4	top third (ke = 0.8)	530	0	1970	0	157	0	183	0	242	0	2212	0	7806	6319	8673	8074	9546	11233	181	779	0	1572	94	3.5	589	0.23	0.07	0.23
198	4X4	mid third (ke = 0.8)	9718	0	10438	0	1587	0	971	0	1860	0	12298	0	11374	6699	14267	8560	19124	11910	1004	1561	0	1667	44	3.5	2686	0.64	0.85	0.73
199	4X4	mid third (ke = 0.8)	9145	0	9865	0	1546	0	917	0	1798	0	11663	0	11233	6699	14020	8560	18592	11910	952	1518	0	1667	48	3.5	2257	0.63	0.81	0.70
200	4X4	top third (ke = 0.8)	8842	0	9562	0	1542	0	889	0	1780	0	11342	0	10634	6319	13294	8074	17688	11233	926	1444	0	1572	48	3.5	2257	0.64	0.83	0.72

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Partition Bent Summary - 4x4 Members

KcE = 0.3 E' = 1415250 psi
d1 = 3.5 inches d2 = 3.5 inches S = 7.146 in^3

Element	Section	Location	DL Only Axial lbs	DL Only Moment lb*in	Dead plus Snow Load Axial lbs	Dead plus Snow Load Moment lb*in	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	Dead Load Only Allowables Axial lbs	Dead Load Only Allowables Moment lb*in	Dead Load Plus Snow Allowable Axial lbs	Dead Load Plus Snow Allowable Moment lb*in	DL + Snow + Seismic Allowables Axial lbs	DL + Snow + Seismic Allowables Moment lb*in	Applied Comp. axial stress fc psi	Allowed Comp. axial stress Fc psi	Applied Bending stress fb psi	Allowed Bending stress Fb psi	Unbraced length in	de in	FcE psi	DL + Snow +Seismic Combined Axial and Bending Ratio	Interaction Ratios note 2 Dead Load Only	Interaction Ratios note 2 Dead Load Plus Snow
201	4X4	top third (ke = 0.8)	7902	0	8622	0	1507	0	802	0	1707	0	10328	0	10634	6319	13294	8074	17688	11233	843	1444	0	1572	48	3.5	2257	0.58	0.74	0.65
202	4X4	top third (ke = 0.8)	7596	0	8316	0	1500	0	773	0	1688	0	10004	0	10634	6319	13294	8074	17688	11233	817	1444	0	1572	48	3.5	2257	0.57	0.71	0.63
203	4X4	top third (ke = 0.8)	6955	0	7675	0	1042	0	714	0	1263	0	8937	0	10634	6319	13294	8074	17688	11233	730	1444	0	1572	48	3.5	2257	0.51	0.65	0.58
204	4X4	top third (ke = 0.8)	1253	0	1973	0	118	0	183	0	218	0	2191	0	7806	6319	8673	8074	9546	11233	179	779	0	1572	94	3.5	589	0.23	0.16	0.23

Note 1: The amount of snow load taken by each column was determined based on the area of top cover around the column. For some of the columns this resulted in a 1,440 lb per column load (6'x6'x 40 psf). For other columns, the fan stack opening reduced the amount of applied snow load. This difference is accounted for in the column axial dead loads above.

Note 2: The DL only and DL + Snow interaction ratios shown are for P/A stress only. The moments from the DL condition are negligible. The seismic bending moments are accounted for in the table above under the combined axial and bending ratio.

Maximum Interaction Ratios		
DL + Snow + Seismic	Dead Load Only	DL + Snow
0.98	0.94	0.88

Per Section 3.9.2 of reference 11, the wood members subject to both axial compression and bending shall satisfy the following equation:

$$\left(\frac{f_c}{Fc}\right)^2 + \frac{f_b}{F_b \cdot \left[1 - \left(\frac{f_c}{F_{cE}}\right)\right]}$$

where fc is the applied axial stress, Fc is the allowable compressive stress, fb is the applied bending stress and FcE is defined as follows:

$$FcE = \frac{K_{cE} \cdot (E)}{\left(\frac{l}{d}\right)^2}$$

- fc and Fc are determined in the tables as applied loads. This is the same ratio as comparing the stresses.
- fb and Fb are also determined in the tables above as applied and allowable bending moments.
- KcE is defined as 0.3
- E is the modulus of elasticity adjusted for temperature and moisture and is determined in the allowable load derivation section.

Partition Bent Summary - 4x4 Member Braces

Element	Section	Location	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	DL + Snow + Seismic Allowables Axial lbs	DL + Snow + Seismic Allowables Moment lb*in	Interaction Ratios DL + Snow + Seismic	
26	4X4	top third (ke = 1.0)	1105	0	0	0	1105	0	1105	0	9658	11233	0.11	
27	4X4	top third (ke = 1.0)	2008	0	0	0	2008	0	2008	0	9658	11233	0.21	
30	4X4	mid third (ke = 1.0)	7757	0	0	0	7757	0	7757	0	8200	11910	0.95	Note 2.
44	4X4	top third (ke = 1.0)	2011	0	0	0	2011	0	2011	0	9658	11233	0.21	
45	4X4	top third (ke = 1.0)	1102	0	0	0	1102	0	1102	0	9658	11233	0.11	
60	4X4	bot third (ke = 1.0)	1013	0	0	0	1013	0	1013	0	8346	12541	0.12	
66	4X4	mid third (ke = 1.0)	7464	0	0	0	7464	0	7464	0	8669	11910	0.86	Note 1.
70	4X4	top third (ke = 1.0)	1037	0	0	0	1037	0	1037	0	5750	11233	0.18	
83	4X4	bot third (ke = 1.0)	1378	0	0	0	1378	0	1378	0	5386	12541	0.26	
87	4X4	mid third (ke = 1.0)	1260	0	0	0	1260	0	1260	0	7244	11910	0.17	
92	4X4	top third (ke = 1.0)	2013	0	0	0	2013	0	2013	0	5750	11233	0.35	
102	4X4	mid third (ke = 1.0)	1374	0	0	0	1374	0	1374	0	17767	11910	0.08	
103	4X4	mid third (ke = 1.0)	1372	0	0	0	1372	0	1372	0	17767	11910	0.08	
114	4X4	mid third (ke = 1.0)	1374	0	0	0	1374	0	1374	0	17767	11910	0.08	
115	4X4	mid third (ke = 1.0)	1373	0	0	0	1373	0	1373	0	17767	11910	0.08	
127	4X4	bot third (ke = 1.0)	1378	0	0	0	1378	0	1378	0	5386	12541	0.26	
131	4X4	mid third (ke = 1.0)	1259	0	0	0	1259	0	1259	0	7244	11910	0.17	
136	4X4	top third (ke = 1.0)	2021	0	0	0	2021	0	2021	0	5750	11233	0.35	
148	4X4	bot third (ke = 1.0)	1012	0	0	0	1012	0	1012	0	8346	12541	0.12	
154	4X4	mid third (ke = 1.0)	7461	0	0	0	7461	0	7461	0	8669	11910	0.86	Note 1.
158	4X4	top third (ke = 1.0)	1042	0	0	0	1042	0	1042	0	5750	11233	0.18	
174	4X4	top third (ke = 1.0)	2011	0	0	0	2011	0	2011	0	9658	11233	0.21	
175	4X4	top third (ke = 1.0)	1103	0	0	0	1103	0	1103	0	9658	11233	0.11	
178	4X4	mid third (ke = 1.0)	7758	0	0	0	7758	0	7758	0	8200	11910	0.95	Note 2.
192	4X4	top third (ke = 1.0)	1105	0	0	0	1105	0	1105	0	9658	11233	0.11	
193	4X4	top third (ke = 1.0)	2009	0	0	0	2009	0	2009	0	9658	11233	0.21	

Note 1: The brace members, 66 and 154, are secured to the partition wall with screws throughout their length. This will provide out-of-plane resistance for the brace menber. In addition, the connections are comprised of a mimimum of (2) bolts which will also provide out-of-plane stability. A value of ke = 0.8 is used.

Note 2: The 4x4 member length pin-pin in the computer model = 120.4 inches. On sheet 4 of Reference 12, the brace is identidified as type TP1, which is 8'-3 5/16" (99 inches) true pin-pin length on sheet 10. The brace is provided lateral restraint at two places by being "sandwiched" between 2 sets of 2x4 framing members. Conservatively assume a modified pin-pin length of 94 inches.

Maximum Interaction Ratios
DL + Snow + Seismic
0.95

ABS Consulting

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 1

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Partition Bent Summary - 4x6 Member Braces

Element	Section	Location	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS of Seismic Axial lbs	DL + Snow + SRSS of Seismic Moment lb*in	DL + Snow + Seismic Allowables Axial lbs	DL + Snow + Seismic Allowables Moment lb*in	Interaction Ratios DL + Snow + Seismic
89	4X6	mid third (ke = 1.0)	8297	0	0	0	8297	0	8297	0	9176	29417	0.90
104	4X6	top third (ke = 1.0)	7959	0	0	0	7959	0	7959	0	9044	27745	0.88
105	4X6	top third (ke = 1.0)	7950	0	0	0	7950	0	7950	0	9044	27745	0.88
116	4X6	top third (ke = 1.0)	7954	0	0	0	7954	0	7954	0	9044	27745	0.88
117	4X6	top third (ke = 1.0)	7955	0	0	0	7955	0	7955	0	9044	27745	0.88
133	4X6	mid third (ke = 1.0)	8292	0	0	0	8292	0	8292	0	9176	29417	0.90

Maximum Interaction Ratios
DL + Snow + Seismic
0.90

JOB NO. 1356711
CALC NO. 1356711-C-001
REV. 0

JOB: Entergy Vermont Yankee
SUBJECT: Cooling Tower Seismic Evaluation

By: RD Augustine DATE: 04/05/05
Chk'd: JL White DATE: 04/05/05

Partition Bent Summary - (2) 4x4 Members

KcE = 0.3 E' = 1445850 psi
d1 = 3.5 inches d2 = 3.5 inches
S = 7.146 in^3

Element	Section	Location	DL Only Axial lbs	DL Only Moment lb*in	Dead plus Snow Load Axial lbs	Dead plus Snow Load Moment lb*in	Horiz. Seis. Only Axial lbs	Horiz. Seis. Only Moment lb*in	Vert. Seis. Only Axial lbs	Vert. Seis. Only Moment lb*in	SRSS of Seismic Axial lbs	SRSS of Seismic Moment lb*in	DL + Snow + SRSS Axial lbs	DL + Snow + SRSS Moment lb*in	Dead Load Only Allowable Axial lbs	Dead Load Only Allowable Moment lb*in	Dead Load Plus Snow Allowable Axial lbs	Dead Load Plus Snow Allowable Moment lb*in	DL + Snow + Seismic Allowable Axial lbs	DL + Snow + Seismic Allowable Moment lb*in	Applied Comp. axial stress fc psi	Allowed Comp. axial stress Fc psi	Applied Bending stress fb psi	Allowed Bending stress Fb psi	Unbraced length in	de in	FcE psi	DL + Snow +Seismic Combined Axial and Bending Ratio	Interaction Ratios note 2 Dead Load Only	Interaction Ratios note 2 Dead Load Plus Snow
15	2X4X4	bot third (ke = 0.8)	13883	0	14603	0	1933	5767	1358	0	2362	5767	16966	5767	23890	14109	29936	18028	40039	25082	692	1634	807	3510	44	3.5	2745	0.49	0.58	0.49
16	2X4X4	bot third (ke = 0.8)	13700	0	14420	0	1933	8471	1341	0	2353	8471	16772	8471	23890	14109	29936	18028	40039	25082	685	1634	1185	3510	44	3.5	2745	0.63	0.57	0.48
17	2X4X4	mid third (ke = 0.8)	13427	0	14147	0	1696	8471	1316	0	2147	8471	16294	8471	22465	13399	28041	17121	37185	23820	665	1518	1185	3333	48	3.5	2306	0.69	0.60	0.50
18	2X4X4	mid third (ke = 0.8)	13465	0	14185	0	1685	0	1319	0	2140	0	16324	0	22465	13399	28041	17121	37185	23820	666	1518	0	3333	48	3.5	2306	0.19	0.60	0.51
194	2X4X4	bot third (ke = 0.8)	14212	0	14932	0	1940	5767	1389	0	2386	5767	17318	5767	23577	14109	29389	18028	38859	25082	707	1586	807	3510	48	3.5	2306	0.53	0.60	0.51
195	2X4X4	bot third (ke = 0.8)	14028	0	14748	0	1940	8471	1372	0	2376	8471	17124	8471	23577	14109	29389	18028	38859	25082	699	1586	1185	3510	48	3.5	2306	0.68	0.59	0.50
196	2X4X4	mid third (ke = 0.8)	13756	0	14476	0	1704	8471	1346	0	2171	8471	16647	8471	22465	13399	28041	17121	37185	23820	679	1518	1185	3333	48	3.5	2306	0.70	0.61	0.52
197	2X4X4	mid third (ke = 0.8)	13824	0	14544	0	1694	0	1353	0	2168	0	16712	0	22747	13399	28534	17121	38247	23820	682	1561	0	3333	44	3.5	2745	0.19	0.61	0.51

Note 1: The amount of snow load taken by each column was determined based on the area of top cover around the column. For some of the columns this resulted in a 1,440 lb per column load (6'x6'x 40 psf). For other columns, the fan stack opening reduced the amount of applied snow load. This difference is accounted for in the column axial dead loads above.

Note 2: The DL only and DL + Snow interaction ratios shown are for P/A stress only. The moments from the DL condition are negligible. The seismic bending moments are accounted for in the table above under the combined axial and bending ratio.

The base of the companion posts are elements 15 and 194. As the bottom of the posts have been trimmed to a width of 1", check compressive stress on section. Buckling reduction factor is not required.

At the base of the posts the DL load allowable compressive load = 16261 lbs. Allowable loads are from the compressive capacity part of this calculation. This is the allowable stress prior to the buckling capacity factor being applied and using load factor = 0.9

At the base of the posts the DL + Snow load allowable compressive load = 20779 lbs. Allowable dead load adjusted for snow load = (DL allow)*(1.15/0.9)

At the base of the posts the seismic allowable compressive load = 28909 lbs. Allowable seismic load = (DL allow)*(1.6/0.9)

DL only fa / Fc = 0.87
DL + Snow fa / Fc = 0.72
DL + Snow + Seismic fa / Fc = 0.60

Maximum Interaction Ratios		
DL + Snow + Seismic	Dead Load Only	DL + Snow
0.70	0.87	0.72

Per Section 3.9.2 of reference 11, the wood members subject to both axial compression and bending shall satisfy the following equation:

$$\left(\frac{f_c}{Fc}\right)^2 + \frac{f_b}{F_b \cdot \left[1 - \left(\frac{f_c}{F_{cE}}\right)\right]}$$

where fc is the applied axial stress, Fc is the allowable compressive stress, fb is the applied bending stress and FcE is defined as follows:

$$FcE = \frac{K_{cE} \cdot (E)}{\left(\frac{l}{d}\right)^2}$$

- fc and Fc are determined in the tables as applied loads. This is the same ratio as comparing the stresses.
- fb and Fb are also determined in the tables above as applied and allowable bending moments.
- KcE is defined as 0.3
- E is the modulus of elasticity adjusted for temperature and moisture and is determined in the allowable load derivation section.

Calculation 1356711-C-001 , Revision ~~0~~ 1

NQP-02 Exhibit 1 Review Guidelines

Design Review Checklist

Criterion	Design Attributes	Status (S, U, N/A)
1.	Were the inputs correctly selected and incorporated into design?	S
2.	Are assumptions necessary to perform the design activity adequately described and reasonable? Where necessary, are the assumptions identified for subsequent re-verifications when the detailed design activities are completed?	S
3.	Are the appropriate quality and quality assurance requirements specified?	N/A
4.	Are the applicable codes, standards and regulatory requirements including issue and addenda properly identified and are their requirements for design met?	S
5.	Have applicable construction and operating experience been considered?	N/A
6.	Have the design interface requirements been satisfied?	N/A
7.	Was an appropriate design method used?	S
8.	Is the output reasonable compared to inputs?	S
9.	Are the specified parts, equipment, and processes suitable for the required application?	N/A
10.	Are the specified materials compatible with each other and the design environmental conditions to which the material will be exposed?	N/A
11.	Have adequate maintenance features and requirements been specified?	N/A
12.	Are accessibility and other design provisions adequate for performance of needed maintenance and repair?	N/A
13.	Has adequate accessibility been provided to perform the in-service inspection expected to be required during the plant life?	N/A
14.	Has the design properly considered radiation exposure to the public and plant personnel?	N/A
15.	Are the acceptance criteria incorporated in the design documents sufficient to allow verification that design requirements have been satisfactorily accomplished?	S
16.	Have adequate pre-operational and subsequent periodic test requirements been appropriately specified?	N/A
17.	Are adequate handling, storage, cleaning and shipping requirements specified?	N/A
18.	Are adequate identification requirements specified?	N/A
19.	Are requirements for record preparation review, approval, retention, etc., adequately specified?	N/A

Reviewed By: VLW Date: 3-23-05 REV. 0
VLW 04-05-05 REV. 1

Entergy	ENTERGY NUCLEAR MANAGEMENT MANUAL ENN-DC-149

VENDOR DOCUMENT REVIEW STATUS

☐ IPEC ☐ JAF ☐ PNPS ☒ VY

Document No.: ABS Calculation No. 1356711-C-001 Rev. No. 1

Document Title: " Cooling Tower Seismic Evaluation"

ER No.: 04-0705 Purchase Order No. 4500533976 (9/8/04)

STATUS NO:

1. ☒ ACCEPTED
2. ☐ ACCEPTED AS NOTED RESUBMITTAL NOT REQUIRED
3. ☐ ACCEPTED AS NOTED RESUBMITTAL REQUIRED
4. ☐ NOT ACCEPTED
5. ☐ FOR INFORMATION

Acceptance does not constitute approval of design details, calculations, analyses, test methods, or materials developed or selected by the supplier and does not relieve the supplier from full compliance with contractual negotiations.

Responsible Engineer JAMES C. FITZPATRICK — Print Name; Signature; 4/11/05 — Date

VENDOR DOCUMENT COMMENT RESOLUTION

PAGE 1 OF 3

Document No: ,ABS Calculation No. 1356711-C-001 Rev. No: 1

Document Title: " Cooling Tower Seismic Evaluation"

Reviewer: James C. Fitzpatrick 4/11/05 Ext. 3086
Print Name/ Signature Date

Comment No:	Page No:	Section No:	Comment:	Disposition I/O*	Resolution:
1	N/A	Entire Calc.	A review of a draft version of this calculation was performed. Technical and editorial comments from ENVY were satisfactorily incorporated by ABS. Revision 0 was received On 3/25/05. The review of revision 0 was completed on 3/30/05. A meeting with ABS personnel was held at VY on 3/30/05. Two modeling anomalies were identified which affected calculated displacements in localized areas of the model. Also updated fan thrust loads were received from the cooling tower vendor. ABS committed to resolving the modeling anomalies and incorporation of the increased fan thrust loads on an expedited basis. See attached 3/30/05 email from J.C.Fitzpatrick to S.D.Goodwin for clarification.	I	Issue Revision 1 with updated fan thrust loads and address modeling anomalies. NOTE REV. 0 NOT INCORPORATED INTO RECORDS MANAGEMENT SYSTEM. JCF
2	162		Calculated shear allowable for anchor bolts on interior column piers conservatively uses a reduction on both anchor bolts for shear in one direction. Actual capacity is greater than stated. **Noted for reference.**	I	None Required
3	E158, E169, to E173	Attach. E	Time stamp on End Bent results plots from Horizontal seismic analysis predates Attachment M output by approx. 3 hrs. Calculation preparer inadvertently reran analysis while printing output to files. Plot results match output results. **Noted for reference.**	I	None Required

4	S6,S7, S14, S15, S22, S23, S27, S31, S32, S37, S38	Attach S	Interaction ratios for seismic bracing diagonal members are conservatively calculated using KcE=0.3 for MHE. Calc. uses same Factor of Safety =1.66 as for normal condition loads. Sheet 118 contains calculated KcE=0.375 for MHE resulting in higher allowables for SSE loads (Compare allowables from Shts. 129 and 131). **Noted for reference.**	I	None Required

*I = Included, O = Omitted

RE: James C. Fitzpatrick 9/11/05

Print Name/ Signature Date

- THIS IS NOT A QUALITY RECORD -

PAGE 2 of 3

PAGE 3 OF 3 ENN-DC-149 ATTACHMENT 9.2 FOR ABS CALCULATION 1356711-C-001 REV. 1

Fitzpatrick, Jim
From: Fitzpatrick, Jim
Sent: Wednesday, March 30, 2005 7:29 PM
To: Goodwin, Scott
Cc: Thomas, George; Calchera, Jim; Yasi, Dan
Subject: CT-2-2 Fan & Motor Installation

Scott,

Status of review of ABS calculation No. 1356711-C-001, Original Issue, dated 3/23/05:

- The analysis and model inputs have been reviewed and are correct except for the updated fan thrust (TPI 3/10/5 Letter). ABS has the updated loads and a new reference for the loads (New VY drawing No. 5920-13330).
- Results for member forces and stresses, anchorage loads, member code compliance for dead weight, snow load and seismic conditions were reviewed and found acceptable.
- During the review of the computer model outputs two modeling anomalies were identified; one in the transverse models deadweight analysis and one in the transverse model seismic analyses. The anomalies only affected the resultant displacements at a localized zone on each model. ABS has evaluated each model and removed the anomalies. The changes do not significantly affect the calculated loads or stresses.
- Given the need to revise the fan thrust loads (easily done at the post processing stage) and it is more work on both ABS and my part to explain the modeling anomalies than to just fix them, I have instructed ABS to revise the calculation and re-submit it. Therefore I won't be signing off a completed ENN-DC-149 review form until the revised calculation is received. The current schedule is for Tues April 5.

The conclusions of the calculation are not affected. The results of the analysis show that cooling tower cell CT2-1 & CT2-2 are seismically adequate for the applied load conditions (DL+SL+SSE). All menders meet code criteria.

The analysis performed is a bounding analysis which includes the full weight of the design Circ Water flow including water in transit in the tower. Also the SSE load includes the mass from the design snow load of 40PSF, and reduced member capacities for summer condition design operating temperatures.

Based on my review of the ABS calculation and the current design basis calculations (ECODYNE/EDAC-1986),
there is no risk in installing the new fan and motor in CT2-2. The weight of the new fan and new motor is still enveloped by the weight used in the 1986 analyses until full Circ water flow in the tower is resumed. There is no impact on the ACS function or capability in Cell CT-2-1.

The ABS bounding calculation demonstrates the towers meet code criteria with the new fans, motors, and electrical distribution system under full circ water flows without any required modifications. The technical review of the calculation is complete, only procedure compliance related acceptance activities remain to be performed.

ATTACHMENT 9.1 **DESIGN INPUT RECORD**

Sheet 1of 1

Design Input Revision 0 Page 1 of 9

DESIGN INPUT RECORD

Document Type: Design Input Record for Calculations

Document Number: ABS Calculations 1356711-C-001 Rev.1 and 1356711-C-002 Rev.0

Problem Summary: (Attach additional sheets as required)

The Extended Power Uprate (EPU) requires modifications to the fans and motor drivers on 21 of the 22 cooling tower cells. (CT-1-1 to CT-1-11 and CT-2-2 to CT-2-11). The fan and motor for CT-2-1, the safety class cell, will not be modified as part of EPU.

ABS calculation No. 1356711-C-001, evaluates the effects of the added weights from the new fans, motors and cable trays on the seismic/structural capability of the safety class cell CT-2-1 & and the adjacent seismic Cell CT-2-2.

ABS calculation No. 1356711-C-002, evaluates the effects of the modification on CT-1 and the remaining non safety class cells in CT-2.

This work was initiated prior to issuance of ENN-DC-141, the attached information is assembled to satisfy the intent and requirements of ENN-DC-141.

Design Objective: (Attach additional sheets as required)

The purpose of this DIR is to provide the required design information to ABS Consulting for input to cooling tower seismic and structural calculation Nos. 1356711-C-001 Rev.1 and 1356711-C-002, Rev.0.

Discipline Review:
Contributing Disciplines:

	Prepared By	Reviewed By:		Prepared By	Reviewed By:
☒Mechanical DE/Fluid Systems	Daniel Yasi	Paul Rainey	☐Electrical	N/A	N/A
☐I & C	N/A	N/A	☒Civil/Structural	James C. Fitzpatrick	Thomas O'Connor
☐Other	N/A	N/A	☐Engineering Programs	N/A	N/A

Outside Design Organization N/A Project Engineer (Print/Sign/Date) N/A

The contributing discipline engineer shall provide his/her name beside the appropriate block.

Lead Discipline Design Engineering - Mechanical/Structural

Prepared by: (Print/Sign) James C. Fitzpatrick Date 4/12/05

Engineering Supervisor: Scott D. Goodwin Date 4/12/05

ATTACHMENT 9.2 **DESIGN INPUT RECORD CONTINUATION SHEET**

Sheet 1of 1

Design Input Revision _0____ Page ___2____of ____9____

Document Number: _ABS Calculations 1356711-C-001 Rev.1 and 1356711-C-002 Rev.0

The following design input items correspond to the design requirements specified in Attachment 9.3:

Reference No.	Inputs	Input Source

The design inputs for ABS cooling tower calculations are contained on the next 7 pages.

ENN-DC-141 Design Input Record for ABS Calculations Nos. 1356711-C-001 and 1356711-C-002 for Vermont Yankee Cooling Tower Seismic and Structural Analyses: 4/8/05

Responsible Discipline	Parameter	Value Used in ABS Calculation	Source Document	Source Document Value	Comments / Open Items
Design Engineering – Civil /Structural	Load Case	D (Dead Load) + L (Live Load-snow/ice load) + E (Seismic Load for SSE)	Uniform Building Code (UBC) as summarized in UFSAR Section 12.2.1 and Appendix A	D (Dead Load)+ L (Live Load-snow/ice load)+ E (Seismic Load for SSE)	
	Load Conditions				
	Wind	No Change			The Wind Calculation does not require updating due to the fan replacement upgrade.
	Seismic Response Spectra and Peak Ground Acceleration	VY Site Ground Response Spectra Peak Ground Acceleration of 0.14g	John Blume & Associates Letter dated 11/22/1966 as summarized in UFSAR Section Appendix A and 12.2.1.2.1	VY Site Ground Response Spectra Peak Ground Acceleration of 0.14g	0.14g Peak Ground Acceleration for Safe Shutdown Earthquake (SSE)
	Seismic Damping Ratio	5%	NUREG/CR0098 "Development of Criteria for Seismic Review of Selected Nuclear Power Plants"	See Comment	Both UFSAR Section 12.2.1.2.1 and Regulatory Guide 1.61 do not contain specific damping values for bolted wood structures. NUREG/CR-0098 provides seismic criteria for re-evaluating structures in older nuclear power plants. Table 1 in NUREG/CR-0098 recommends using 5 to 7 percent damping for bolted wood structures designed to a stress level of ~1/2 yield (OBE/ Design Earthquake) and 10 to 15 percent damping for structures design to yield stress levels (SSE/ Maximum Hypothetical Earthquake). A damping ratio of 5 percent for the SSE/MHE is conservative since it is the lower bound recommended for the OBE in NUREG/CR-0098.

Responsible Discipline	Parameter	Value Used in ABS Calculation	Source Document	Source Document Value	Comments / Open Items
Design Engineering – Civil /Structural	Snow/Ice	40 psf	Ebasco Specification 54-63 Mechanical Draft Cooling Tower (Spec No. VYNP-III-T-4, Rev.1 4/23/69	40 psf	See Part 1, paragraph 10 of specification
	Moisture	Saturated	CTI Std 114-1996	See Comment	Per CTI Std 114, when member moisture content is greater than 19%, wet service factors shall be applied.
	New Equipment Weights (lbs)				
	Fan	2070	New VY drawing No. 5920-13309	2070	
	Gear Reducer	2125	New VY Drawing No. 5920-13313	2000	Use of 2125 lbs covers weight of lubricant. (17 gals of Mobil SHC 630 Synthetic Lubricant)
	Gear Adapting Steel	250	New VY drawing No. 5902-13332 (TPI 04-2145.03)	105 +145=250# (G1 + G2)	
	Driveshaft (Coupling)	75	New VY Drawings 5920-13312 & 5920-13332	75	(5920-13332 lists 75#, 5920-13312 lists 71.07#)
	Motor	2000	New VY Drawing 5920-13333 (TPI 04-2145.04)	2000	Note: Spec VYSP-FS-091 R1 Vendor Fill-in Data also indicates 2000#
	Motor Adapting Steel	125	New VY Drawing 5920-13333 (TPI 04-2145.04)	125 (M1)	
	Capacitor/ Vibration Switch	NA	M-732 TPI Vendor Manual	22 / 4.5	Minor added weights of capacitor, vibration switch, and associated mounting hardware is considered negligible and enveloped by the 40 PSF snow load.

Responsible Discipline	Parameter	Value Used in ABS Calculation	Source Document	Source Document Value	Comments / Open Items
Design Engineering – Civil /Structural	Fan Thrust (lbs)	1575	TPI Thermal Analysis – Letter dated 03/10/05 & New VY Dwg. No. 5920-13332 (TPI 04-2145.03)	Summer – 2158 Winter - 2454	
	Cable & Cable Tray on Deck	60 lbs/linear ft	Specification VYSP-FS-091, R1 and VY Calculation No. VYC 2377 R1	55 lbs/ linear ft	Per Specification, load shall be located on the West Side of Tower 2, 3'-8" west of Longitudinal Bent C. 55 lb/ft confirmed in Attachment H of VYC 2377.
	Lumber				
	Type	Douglas Fir No. 1	Ebasco Specification 54-63 Mechanical Draft Cooling Tower (Spec No. VYNP-III-T-4, Rev.1 4/23/69	Select Structural	The assumed use of Douglas Fir No. 1 Grade is conservative
	Capacity	Full Design Capacity	See Comment	NA	It is assumed that all lumber is capable of supporting their full design capacities. This is based on the ongoing inspection and replacement preventive program.

Responsible Discipline	Parameter	Value Used in ABS Calculation	Source Document	Source Document Value	Comments / Open Items
Design Engineering – Fluids Systems	Design Temperatures for Wood Allowables (F)				
	Plenum Area	100.3F	TPI Thermal Analysis – Letter dated 03/10/05	100.3 F	Tower Exit Air Temp at Design Summer Conditions
	Top 1/3rd Fill Area	115F	TPI Thermal Analysis – Letter dated 03/10/05& S&W CT Thermal Performance Study Feb 2003	115 F	The 115F value bounds the TPI datasheet for design point of 112.39F. The Feb 2003 S&W report indicates that 115F is an upper bound for normal plant operation, assuming design CW flow, 75F Wetbulb, and 5" Hg Condenser Backpressure limit. ACS Operation has short term higher temperatures. See Attachment 1 for further discussion.
	Middle 1/3rd Fill Area	107.5F	TPI Thermal Analysis – Letter dated 03/10/05	NA	Selected as half way between 115 F maximum hot water and temperature and selected 100 F cold water temperature. See Attachment 1 for further discussion.
	Bottom 1/3rd Fill Area	100F	TPI Thermal Analysis – Letter dated 03/10/05	91.1 F	The 100 F selected bounds the Cold Water Temperature at the summer design point. The higher temperature was selected with consideration of "fans off" conditions in combination with other design input conservatisms. See Attachment 1 for further discussion.

Attachment 1 Operating Temperatures Responsible Discipline: DE/ Fluid Systems

The following table defines the Hot Water (Supply) and Cold Water (Leaving) temperatures of the cooling tower during different operating conditions

Case No.	Condition Description	HWT (F)	CWT (F)	Reference(s) / Comments
Summer –Normal Plant Operation, No Snow Load				
1	Maximum Hot Water Temperature All Fans Running. Assume Design Conditions: 75F Wetbulb, Design Condenser Flow of 360,000 gpm, and Condenser Backpressure limit of 5" Hg. Note: The peak HWT is dependent on the Wetbulb Temperature. Per ASHRAE 1977 Fundamentals Handbook the VY Design Wetbulb of 75F is approximately a 1 percentile value for the Summer Period of June through September. Therefore, HWT above 115F is possible, but such frequency would be 1% or less of the summer period.	115	100	S&W CT Thermal Performance Study Feb 2003 The Feb 2003 S&W report indicates that 115F is an upper bound for normal plant operation, assuming design CW flow, 75F Wetbulb, and 5" Hg Condenser Backpressure limit. 1977 ASHRAE Fundamental Handbook – Design Wetbulb
2	Summer Design Condition for EPU. (3.9E9 Btu/hr, 366,000 gpm, 75F Wetbulb)	112.39	91.1	TPI Thermal Analysis – Letter dated 03/10/05
3	Maximum Hot Water with One or More Fans Off This condition bounds the situation where the cooling tower is supplied with maximum hot water temperature, but one or more fans are not operating. The condition with greater than 100F cold water temperatures is only expected for cells with the fans out of service for maintenance reasons.	115	110 (fans off cells only 100 (fans running cells)	TPI Thermal Analysis – Letter dated 03/10/05.

Case No.	Condition Description	HWT (F)	CWT (F)	Reference(s) / Comments
Winter Normal Plant Operation, With Snow Load				
4	In winter, the maximum temperature of water to the tower is governed by two conditions. 1. In helper mode the hot water entering tower will equal the river temperature plus the condenser rise (about 36 degF with 2 CW Pumps running). So as long as the river temp is below 64F, the hot water will be below 100F 2. When hybrid mode with recirculation is necessary, due to concern for icing, the hot water temperature entering the tower will equal the condenser inlet temperature plus the condenser rise. The hot water would rarely need to exceed 100F in order to prevent icing in the tower. In winter operation, only one tower will be operating and only one booster pump will be operating. While this is estimated to result in less flow per cell than summer operation, it is possible for the summer design flow (approximately 16,600 gpm) per cell to exist in some cells. Operators may isolate one or more cells to achieve full flow in operating cells.	100	100	100 degrees is selected as a reasonable upper bound for winter operation when snow load would also be possible. The TPI Thermal Analysis – Letter dated 03/10/05 indicates a 25F range with -5F Wetbulb will result in a cold water temperature of 60.7F. For this condition, the hot water temperature would be about 85F. If higher cold water temperatures are required to avoid icing, it is not likely to require in excess of 100F hot water temperature.

Case No.	Condition Description	HWT (F)	CWT (F)	Reference(s) / Comments
ACS Operation				
5	ACS Operation – Cell CT2-1 Only – Any Time of Year This is a one time emergency event. The heat load is initially high and then rapidly drops as the reactor and suppression pool are cooled down. Circulating Water and CW Booster Pumps would not be running and therefore, the large CW header pipes in cooling tower would be empty. Service Water to ACS Cell CT2-1 is the only water being supplied to the tower. The temperatures provided are for design summer conditions with 75F wetbulb, however, the event can occur at any time, even winter. The design summer temperatures listed will bound the winter temperatures. The design mission time of the ACS event is 7 days. Based on calculation VYC-1803A, it is expected that the hot water temperature would be above 115F for less than 24 hours of the 7-day mission time. However, operating procedure OP 2181 allows increasing cooling tower hot water temperature up to 130F, as required, to control icing.	130 (max)	100 (max)	VYC-1803A Rev.2 CCN03