

DMB

PRINCIPAL STAFF		
RA	<i>hes</i>	PRP
D/RA		DE
A/RA		DRMSP
RC		DRMA
PAO		SCS
SGA		ML
ENF		File <i>hes</i>

orig 3

DOCUMENTATION TRANSMITTAL

To: Stone & Webster - CIO
PO Box 1963
Midland, MI 48640

Transmittal No: CIO- 0057
Date: May 25, 1984

Attention: John Ridge

The documentation listed below is provided herewith, X was previously provided on 5-22-84 ; as requested by John Ridge .

Documentation Description: Nonconformance Reports: C-03018
C-02181
C-02818-HV

CIO has X has not been placed on routine transmittal for the described documentation.

Janne Kinn
Signature

50-339
50-330

- CC RJCook, NRC Site (w/a, unless voluminous)
- JJHarrison, NRC Region III (w/a, unless voluminous)
- DDJohnson, SMO (w/o)
- JGKeppler, NRC Region III (w/a, unless voluminous)
- BHPeck, SMO (w/o)
- NIRichel, SMO (w/o)
- RAWells, MPCAD (w/o)
- CMThompson - File 24.2 (w/a, unless voluminous)

MI0384-0001A-QL06

8406050392 840525
PDR ADOCK 05000329
S PDR

LE01
JUN 1 1984

1/1

MILLAND PROJECT
QUALITY ASSURANCE
DEPARTMENT

ORIGINAL

NONCONFORMANCE REPORT

16 MCR NO. P-03018
 17 DATE ISSUED 4-20-84 18 REV 0
 19 PAGE 1 OF 3

1 ITEM LOCATION
Aux Bldg MOD 120D RW118 x ELEV 594'-6" x 6'-3" w/ 7.2 x 8'-3" Ndg

2 ITEM DRAWING/PART NO. PSK-M-243C-1834-HZ Rev 1 3 ITEM PART NAME Small Bore Pipe Support 4 ITEM SERIAL NO. N/A

5 ITEM DESCRIPTION
Small Bore Pipe Support

6 ITEM STARTUP SYSTEM NO. 2.6.1A 7 REFERENCE DOCUMENT C306 Rev 9 M326 Rev 14 8 ASME A.N.I. REQUIRED YES NO

9 INSPECTION RECORD NO. N/A LOG NO. N/A REV NO. N/A 10 RESPONSIBLE ORGANIZATION CONSTRUCTION

11 NONCONFORMANCE DISCOVERED DURING:
 DESIGN RECEIVING CONST RELEASE FOR INSPECT
 POST INSPECT TURNOVER POST TURNOVER PRE-OP TEST FINAL TURNOVER OVERINSPECT

12 REQUIREMENT
 ① C-306 para 6.8 REQUIRES GROUT TO BE INJECTED TO COMPLETELY FILL THE HOLES
 ② M-326 Para 5.2.1.d REQUIRES BOLT HOLES TO BE ON LOCATION $\pm 1/16"$ IN BASEPLATES DWG REQUIRES HOLES TO BE $1/4"$ FROM EDGE OF PLATE
 ③ M-326 Para 4.2.1.a REQUIRES THAT HANGERS BE INSTALLED IN ACCORDANCE WITH THE DWGS

13 NONCONFORMANCE
 ① VOIDS EXIST IN THE GROUT.
 ② UPPER SOUTH ANCHOR IS $1\ 3/8"$ FROM SOUTH EDGE OF PLATE.
 ③ ~~③~~ DWG REQUIRES EXPANSION ANCHORS. GROUTED ANCHORS ARE INSTALLED
 ④ a LOWER NORTH ANCHOR IS INSTALLED $2\ 5/8"$ FROM C4 EMBED
 b UPPER NORTH ANCHOR IS INSTALLED $4\ 1/8"$ FROM C4 EMBED

14 NCR ORIGINATED BY (PERSON) G. RITTER 2 APR 84
CL 4-20-84
 DATE
 15 NCR ORIGINATED BY (DISCIPLINE) TEAM 6 (MECH.)

20 NUMBER OF HOLD TAGS (IF APPLIED) ONE 21 LOCATION OF HOLD TAGS SEE BLDG. # 1 & 5

22 POTENTIAL 50.55(e) YES NO 24 ACTION ITEM NO. S040801 26 ITEM PRIORITY CODE NO. 5 28 NCR REVIEWED BY: J. Schiffler
H. Schiffler

23 REPORTED TO MPOA MANAGER DATE N/A 25 DISCIPLINE: M 27 TREND CODE EE-3 0001
EE-4 0001 DATE: 4/23/84
CL 4-23-84

29 CAUSE

- ① WORKMANSHIP
- ② WORKMANSHIP
- ③ WORKMANSHIP
- ④ ENGINEERING

30 PROCESS CORRECTIVE ACTION

YES NO QAR NO. _____

31 RECOMMENDED DISPOSITION

REMORK SCRAP/REJECT REPAIR USE AS IS
1, 2, 3, 4

32 CONDITIONAL RELEASE

YES NO

31A ADDITIONAL INFORMATION

33 DISTRIBUTION FOR ACTION

TEAM 6

34 DISPOSITION CONCURRENCE

_____	DATE	_____	DATE	_____	DATE
PROJECT FIELD ENGINEER		MPQAD CONCURRENCE		PFQCE (ASME)	
_____	DATE	_____	DATE	_____	DATE
LEAD DESIGN ORG		CP Co SMD (for turned over systems)		PQAE (ASME)	
_____	DATE	_____	DATE	_____	DATE
				A.N.I. (ASME)	

35 DISPOSITION ACTION TAKEN

36 METHOD OF DISPOSITION ACTION VERIFICATION

RESULT OF DISPOSITION ACTION VERIFICATION
 ACCEPTABLE UNACCEPTABLE IF UNACCEPTABLE, REFERENCE SUPERCEDING NCR NUMBER _____

37 NCR CLOSED BY

_____	DATE
MPQAD	
_____	DATE
A.N.I. (ASME)	

MIDLAND PROJECT
QUALITY ASSURANCE
DEPARTMENT

ORIGINAL

NONCONFORMANCE REPORT
CONTINUATION SHEET

NCR NO. C-03018

DATE ISSUED
4-20-84

PAGE 3 OF 3

BLOCK 12 CONT

④ C-306 (TABLE B-3) REQUIRED THAT $\frac{3}{4}$ " GROUTED ANCHORS
~~BE~~ BE INSTALLED NO LESS THAN 7" FROM C4 EMBEDS

ORIGINAL

NONCONFORMANCE REPORT

16 NCR NO. C-02181	SA
17 DATE ISSUED 3-30-84	18 REV 0
19 PAGE 1 OF 3 ^{4 ps} 2 ³ 2	

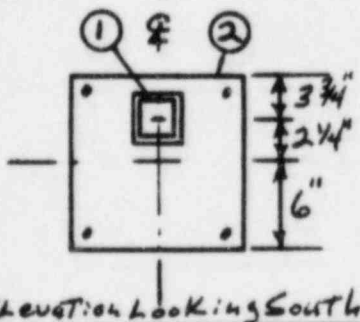
1 ITEM LOCATION <u>3'-4" North of G6, 11'-2" West of G 7.4</u> <u>Aux. Bldg. Room No. 118, Area 120D, Elevation 584'-0"</u>		
2 ITEM DRAWING/PART NO. <u>Rev 3</u> <u>FK-M-2-HBC-552-1-H1</u>	3 ITEM PART NAME <u>Small Bore Pipe Support</u>	4 ITEM SERIAL NO. <u>N/A</u>

5 ITEM DESCRIPTION <u>Small Bore Pipe Support Attached To Line No. 1 - 2 HBC-552-1</u>		
6 ITEM STARTUP SYSTEM NO. <u>2 & JA</u>	7 REFERENCE DOCUMENT <u>Spec. M-326 (A)</u>	8 ASME A.N.I. REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO

9 INSPECTION RECORD NO. <u>N/A</u>	LOG NO. <u>N/A</u>	REV NO. <u>N/A</u>	10 RESPONSIBLE ORGANIZATION <u>CONSTRUCTION</u>
11 NONCONFORMANCE DISCOVERED DURING:			
<input type="checkbox"/> DESIGN	<input type="checkbox"/> RECEIVING	<input type="checkbox"/> CONST	<input checked="" type="checkbox"/> RELEASE FOR INSPECT
<input type="checkbox"/> POST INSPECT	<input type="checkbox"/> TURNOVER	<input type="checkbox"/> POST TURNOVER	<input type="checkbox"/> PRE-OP TEST
		<input type="checkbox"/> FINAL TURNOVER	<input type="checkbox"/> OVERINSPECT

12 REQUIREMENT <u>Installation Is To Be In Accordance With Approved Design Drawing And Spec M-326 (A)</u>	
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13 NONCONFORMANCE 1) Contrary To Design Drawing, Note #2, Item #1 Is Not Centered On Base Plate. & Item #1 Is 3 3/4" From Top Edge Of Base Plate (Item #2).



(See Sht. # 3)

14 NCR ORIGINATED BY (PERSON) <u>J. Douglas</u>	C.C. HANCOCK #1074
	<u>3-28-84</u> DATE
15 NCR ORIGINATED BY (DISCIPLINE) <u>Field Engineering (Mech)</u>	

20 NUMBER OF HOLD TAGS (IF APPLIED) <u>ONE</u>	21 LOCATION OF HOLD TAGS <u>SEE BLK. # 1, 2 + 5</u>
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22 POTENTIAL 50.55(a) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	24 ACTION ITEM NO. <u>S05862</u>	26 ITEM PRIORITY CODE NO. <u>5</u>	28 NCR REVIEWED BY: <u>H. Schiffer</u> <u>H. Schiffer</u>
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23 REPORTED TO MPOA MANAGER DATE <u>N/A</u>	25 DISCIPLINE: <u>M</u>	27 TREND CODE (01) <u>EE-03</u>	DATE: <u>3/30/84</u>
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CONTINUED ON REVERSE

29 CAUSE

Workman ship.

30 PROCESS CORRECTIVE ACTION

YES NO QAR NO. _____

31 RECOMMENDED DISPOSITION

REMARK SCRAP/REJECT #2 REPAIR #1 USE AS IS

32 CONDITIONAL RELEASE

YES NO

31A ADDITIONAL INFORMATION

1) Use As Is: Project Engineering TO Evaluate Design As Installed.
2) Repair: Repair Item #1 Per. Spec. M-326 ⁴ Para. 5.16.2.

33 DISTRIBUTION FOR ACTION

Team # 6

34 DISPOSITION CONCURRENCE

<u>5/10/84</u>	<u>Robert Connel</u>	<u>5/16/84</u>	<u>Michael How</u>	<u>5/16/84</u>	<u>NA</u>	
PROJECT	FIELD ENGINEER	DATE	MPQAD CONCURRENCE	DATE	PFOCE (ASME)	DATE
					<u>NA</u>	
					PQAE (ASME)	DATE
<u>Bluhatel</u>	<u>for EOP</u>	<u>5/10/84</u>	<u>NA</u>		<u>NA</u>	
LEAD DESIGN ORG		DATE	CP Co SMO (for turned over systems)	DATE	A.N.I. (ASME)	DATE

35 DISPOSITION ACTION TAKEN

36 METHOD OF DISPOSITION ACTION VERIFICATION

RESULT OF DISPOSITION ACTION VERIFICATION

ACCEPTABLE UNACCEPTABLE

IF UNACCEPTABLE, REFERENCE SUPERCEDING NCR NUMBER _____

37 NCR CLOSED BY

MPQAD DATE

A.N.I. (ASME) DATE

ORIGINAL

NONCONFORMANCE REPORT
CONTINUATION SHEET

NCR NO. C-02181

DATE ISSUED

3-30-84

REV

0

PAGE 3 OF 3 ⁴ AS _{9/1/84}

1.3) Nonconformance: (cont'd)

2) Contrary To Spec. M-326 ^(A) Para. 5.1.6.1: A Gauge
Exists In Item #1, Greater Than $\frac{1}{32}$ " Deep; Gauge Is 2"
North of Item # 6 On Bottom Face of 3X3" T.S.

NONCONFORMANCE REPORT

CONTINUATION SHEET

BLOCK 31A (CONT.)

PROJECT ENGINEERING DISPOSITION

ITEM #1 PROJECT ENGINEERING CONCURS WITH THE FIELD ENGINEERING RECOMMENDED DISPOSITION TO 'USE AS IS'. DRAWING FSK-M-2HBC-552-1-HIC(R) R.5 AND CALCULATION 400-4077(R) R.4 HAVE BEEN ISSUED TO REFLECT AND QUALIFY INSTALLED CONDITION AS DESCRIBED IN BLOCK 13 OF NCR.

ITEM #2 PROJECT ENGINEERING CONCURS WITH THE FIELD ENGINEERING DISPOSITION TO 'REPAIR'.

B. M. Patel T. Allaway
5/14/84 5/14/84

MIDLAND PROJECT
QUALITY ASSURANCE
DEPARTMENT

NONCONFORMANCE REPORT
ORIGINAL

16 NCR NO. C-02818 HV ^{CAS} 4-14-84	18 REV D
17 DATE ISSUED 4-14-84	
19 PAGE <u>1</u> OF <u>2</u>	

1 ITEM LOCATION
Aux. Bldg - El. 585'-4 7/8", 4'-4" N. OF (6) 2'-7 1/4" W. OF (7.4)

2 ITEM DRAWING/PART NO. FSK-M-2HBC-552-1-H3 (Q) B	3 ITEM PART NAME FSK-M-2HBC-552-1-H3	4 ITEM SERIAL NO. N/A
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5 ITEM DESCRIPTION
P65 113 SMALL BORE SUPPORT

6 ITEM STARTUP SYSTEM NO. 26JA	7 REFERENCE DOCUMENT PQCI P230/5 CN# P230-05-1	8 ASME A.R.I. REQUIRED <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO
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9 INSPECTION RECORD NO. P230-FSK-M-2HBC-552-1-H3	LOG NO. 255747	REV NO. 0	10 RESPONSIBLE ORGANIZATION CONSTRUCTION / BCPCO G1-6
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11 NONCONFORMANCE DISCOVERED DURING:

<input checked="" type="checkbox"/> POST INSPECT	<input type="checkbox"/> TURNOVER	<input type="checkbox"/> POST TURNOVER	<input type="checkbox"/> DESIGN	<input type="checkbox"/> RECEIVING	<input type="checkbox"/> CONST	<input type="checkbox"/> RELEASE FOR INSPECT
			<input type="checkbox"/> PRE-OP TEST	<input type="checkbox"/> FINAL TURNOVER	<input type="checkbox"/> OVERINSPECT	

12 REQUIREMENT 1. PQCI P230/5 PARA 3.4.3 b CN# P230-05-1 STATES: "THE COMPLETED WELDS SHALL BE VISUALLY FREE OF CRACKS, OR OTHER LINEAR INDICATIONS." (M326, 20, NF5360).
 2. PQCI P230/5 PARA 3.4.3 b ^{CAS 4-14-84} (M326 3.8.2 (OW6)) STATES: "VERIFY CLEARANCES OF P65 STRAPS AND CLAMPS AS PER P65 DRAWING/HANGER SKETCH."

13 NONCONFORMANCE 1. AGAINST THE ABOVE, THE SOUTHEAST EDGE OF WELD OF ITEM 1 TO 3 HAS AN 1/8" LONG AREA OF INCOMPLETE FUSION.
 2. CONTRARY TO THE ABOVE, THERE IS 0" CLEARANCE BETWEEN PIPE AND TOP/BOTTOM OF SUPPORT - P65 DRAWING CALLS FOR A MIN OF 1/16" (+1/60" / -1/32")

14 NCR ORIGINATED BY (PERSON)
Charles A. Sundell M123 4-14-84
CHARLES A. SUNDELL DATE

15 NCR ORIGINATED BY (DISCIPLINE)
M/ROAD MECH. - HANGERS

20 NUMBER OF HOLD TAGS (IF APPLIED) 1	21 LOCATION OF HOLD TAGS AROUND ITEM 2
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22 POTENTIAL 50.58(e) <input type="checkbox"/> YES <input checked="" type="checkbox"/> NO	24 ACTION ITEM NO. 506647	26 ITEM PRIORITY CODE NO. 5	28 NCR REVIEWED BY: MNT Made C. Pray M-97
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23 REPORTED TO NPGA MANAGER DATE <u>NA</u>	25 DISCIPLINE: M	27 TRENCH CODE DNT	DATE: 4-14-84
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CONTINUED ON REVERSE

29 CAUSE

30 PROCESS CORRECTIVE ACTION

YES NO QAR NO. _____

31 RECOMMENDED DISPOSITION

REMARK SCRAP/REJECT REPAIR USE AS IS

32 CONDITIONAL RELEASE

YES NO

31A ADDITIONAL INFORMATION

33 DISTRIBUTION FOR ACTION

34 DISPOSITION CONCURRENCE

PROJECT FIELD ENGINEER DATE

HPQAD CONCURRENCE DATE

PFQCE (ASME) DATE

PQAE (ASME) DATE

LEAD DESIGN ORG DATE

CP Co SMO (for turned over systems) DATE

A.N.I. (ASME) DATE

35 DISPOSITION ACTION TAKEN

36 METHOD OF DISPOSITION ACTION VERIFICATION

RESULT OF DISPOSITION ACTION VERIFICATION

ACCEPTABLE UNACCEPTABLE

IF UNACCEPTABLE, REFERENCE
SUPERCEDING NCR NUMBER _____

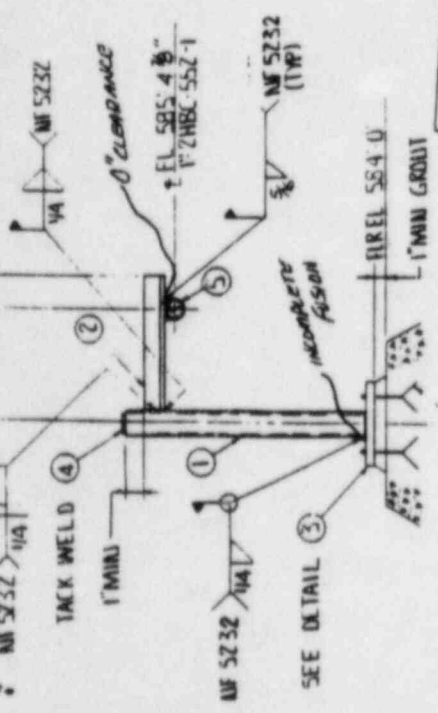
37 NCR CLOSED BY

HPQAD DATE

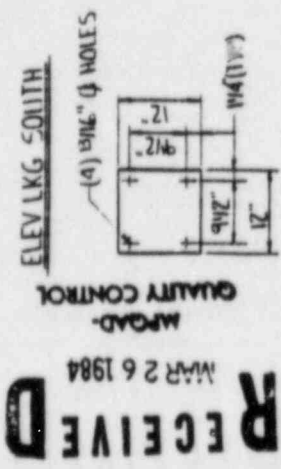
A.N.I. (ASME) DATE

ATT.1 C-02918-AW

START UP NO. 76.1A
 KCCIM NO. 116
 SEQ. NO. 5-237
 (C.A.T. NO. 1000-1000-1)
 REF. C. 202. (M) P. 15, V. A. C.



DWG REV. SEQ. NO. 3
 STARTUP SYSTEMS 5-90 DAYS OF
 E. N. J. V. E. L. OR AFTER TURNOVER IF
 APPROVED BY CHANGES.
 APPL. NO. 115-55-1
 DATE 26.12



RECEIVED
 MAR 26 1984
 MFG. QUALITY CONTROL
 ELEV. LKG. SOUTH
 (4) 1 1/4" Ø HOLES
 DETAIL 3
 A. P. ENGINEERING, INC.
 ZZZO
 FAB IN ACCORDANCE WITH SPEC TZZO-M-326 (01)
 MEMBER TO BE CENTERED ON BASE PLATE (M) SCG MA
 EXACT EMBEDMENT PER C-3054
 APPROVAL CRITICAL DIMENSION

ITEM NO.	MATERIALS & OPERATIONS	QTY	UNIT	REMARKS
1	1.5" x 1.5" x 1/4" x 20" LG. ASTM-A 500 GR. E	1	PC	
2	1.5" x 3" x 1/2" x 14" LG.	5A-36	PC	
3	BASE PLATE 3/4" x 12" x 12" SA-36 OR SA-515 GR. 65 OR 70	1	PC	BEHIND POWER COBP
4	PLATE 1/4" x 2 3/4" x 2 3/4" (NON-TENSIBLE MATL)	A-36	PC	
5	1" Ø PIPE STRAP FSK-M-PGS-113 (a)	1	PC	
6	2 1/4" Ø EXPANSION ANCHOR BOLTS (MIN EMBEDMENT 5')	4	PC	

ITEM NO.	FOR MATERIALS AND OPERATIONS SEE SKETCH NO.	CONDITONS	F _x	F _y	F _z	SHEET OF
	DESIGN					
	NORMAL & UPRBT		± 16.8	± 13.3		
	EMERGENCY					
	FAULTED		± 2.51	± 2.16		

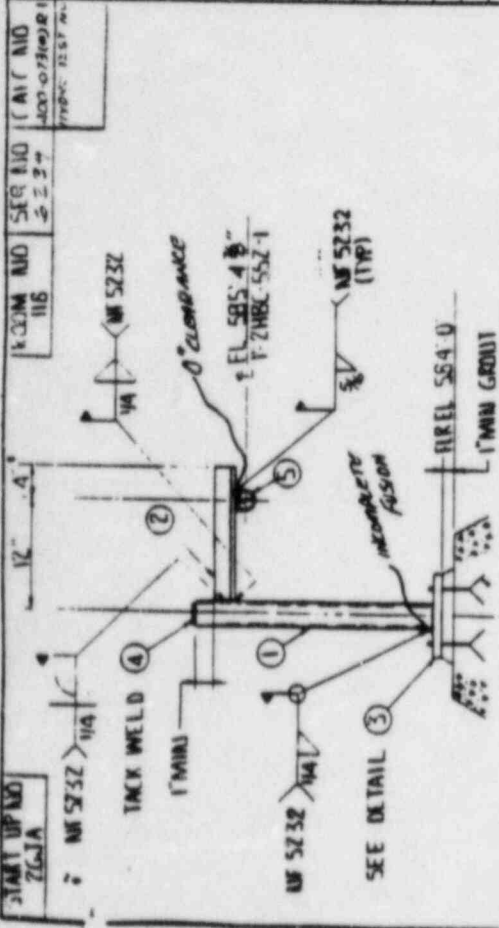
WORKPRINT
 V. R. G. L. O. DATE 3-24-84
 ORGANIZATION 307

THIRD PARTY INSPECTION	CODE CLASS	CLASS	INSPECTOR	DATE	APPROVAL
SEE DRAWING NUMBERS	PIPE	218C-55Z (M) X 1 ELECT.			
STEEL: C-202 (M) P 15, V. A. C.					

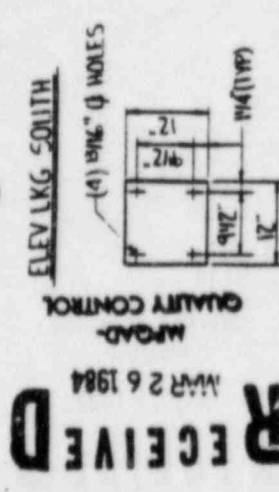
REV.	DATE	DESCRIPTION
3		WELD WELD INSPECTION CALLOUTS & ANCHOR NOTES
2		REVISED TO SHOW REVISIONS
1		ISSUED FOR CONSTRUCTION
0		

CUSTOMER/CONTRACTORS	POWER CO
ORDER OR CONT. NO. 7720	
JOB NAME/NO. AND PLANT UNITS 1, 1, 2	
MARK NO.	
SKETCH NO. FSK-M-218C-55Z-1-H3 (0)	
SHEET 1 OF 1	REV. 3

ATT. 1 C-02818-AW

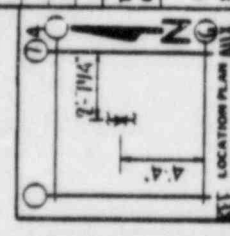


DWG REV. 560 NO. 3
 STARTUP SYSTEMS 5 TO DAYS OF
 TURN-AROUND, OR AFTER TURNOVER #
 AFFECTED BY CHANGES
 APPROVED BY:
 SYSTEMS NO. PARTIAL CHARGE
 THIS DRAWING IS
 Z611A



DETAIL 3

RECEIVED
 MAR 26 1984
 MFGD
 QUALITY CONTROL
 ELEV LKG SOUTH



NOTES:
 1. FAB IN ACCORDANCE WITH SPEC 7720-M-326(01)
 MEMBER TO BE CENTERED ON BASE PLATE (MFG)
 2. SEALT EMBEDMENT PER C-3054
 4\"/>

A. P. ENGINEERING, INC.
 7720

ITEM NO.	MATERIALS & OPERATIONS	QUANTITY	UNIT
1	1.5 3\"/>	1	EA
2	2 3\"/>	1	EA
3	BASE PLATE 3/4\"/>	1	EA
4	PLATE 1/4\"/>	1	EA
5	1\"/>	1	EA
6	3/4\"/>	4	EA

ITEM NO.	CONDITIONS	Fx	Fy	Fz
	NORMAL & UPRBT		± 168	± 133
	EMERGENCY			
	FAULTED		± 251	± 216

WORKPRINT
 V. R. HIGHTON, DATE 3-24-84
 PROJECT ORGANIZATION 301

BECHTEL
 APLC ARBOR

CUSTOMER: CONSUMERS POWER CO
 ORDER OR CONT. NO. 7720
 JOB NAME: MAIN AND PLANT UNITS 1, 2
 MARK NO.
 SKETCH NO. FSK-M-218C-552-1-H3 (0)
 SHEET 1 OF 1 REV. 9

REV.	DATE	BY	DESCRIPTION
3			REVIEW WELD INSPECTION CALLOUTS & LOCAL NOTES
2			REVISED AS NOTIFIED BY FIELD REVISIONS
1			ISSUED FOR CONSTRUCTION
0			