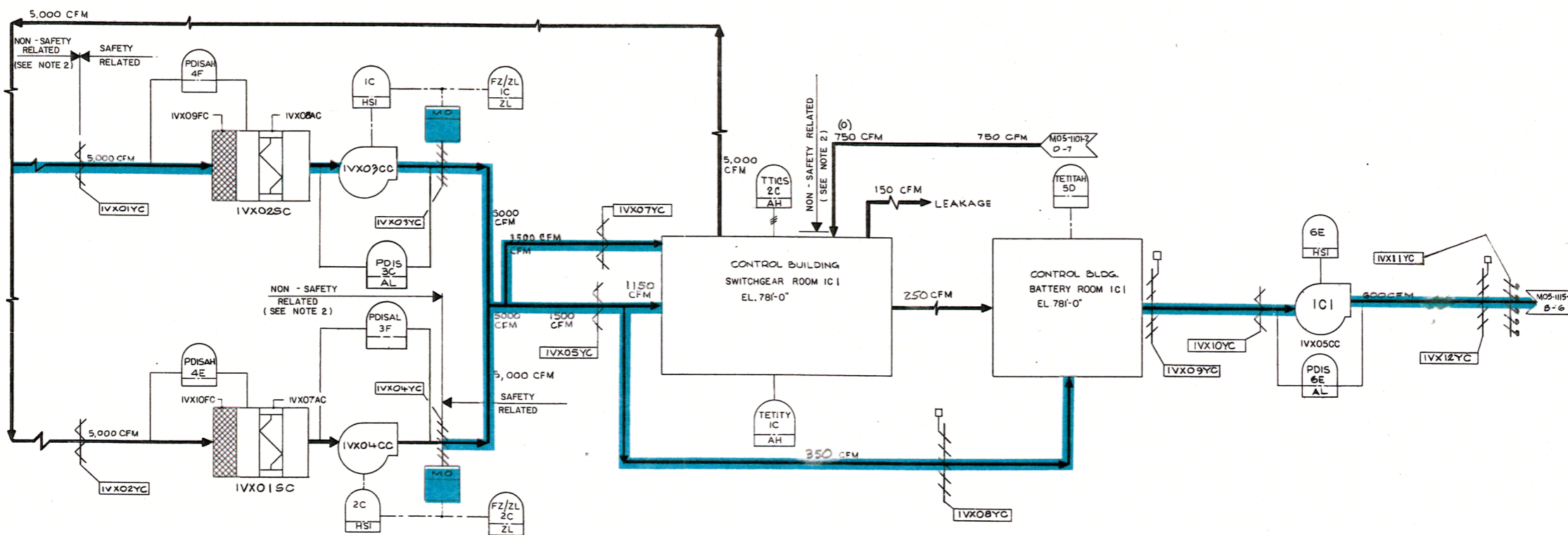


IVX01SC  
SWITCHGEAR HEAT REMOVAL  
COIL CABINET  
K-2902

IVX02SC  
SWITCHGEAR HEAT REMOVAL  
COIL CABINET  
K-2902

IVX03CC  
IVX04CC  
SWITCHGEAR HEAT REMOVAL  
FANS  
K-2904

IVX05CC  
BATTERY ROOM  
EXHAUST FAN  
K-2904

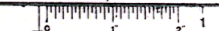


- NOTES:
1. THE P&ID/C&I DIAGRAMS FOR THE C&I FUNCTION SYMBOLS ARE SHOWN ON DRAWING MO-115-3 UNLESS OTHERWISE NOTED. SHEET NUMBER & DIAGRAM REFERENCE ARE SHOWN IN THE FUNCTION SYMBOL.
  2. NUCLEAR SAFETY-RELATED DUCTWORK SYSTEM IS SHOWN ON THIS P&ID. THIS CLASSIFICATION APPLIES TO DUCTWORK AND DUCTWORK ACCESSORIES (EXCEPT DAMPERS) FURNISHED, FABRICATED AND INSTALLED UNDER SPECIFICATION K-2910. FOR SAFETY CLASSIFICATION OF DUCTWORK SUPPORTS, SEE SUPPORT DRAWINGS. FOR SAFETY CLASSIFICATION OF EQUIPMENT, SEE EQUIPMENT LIST. FOR SAFETY CLASSIFICATION OF PIPING / VALVES SEE LINE / VALVE LIST. FOR SAFETY CLASSIFICATION OF DAMPERS, SEE APPROPRIATE DAMPER LIST.

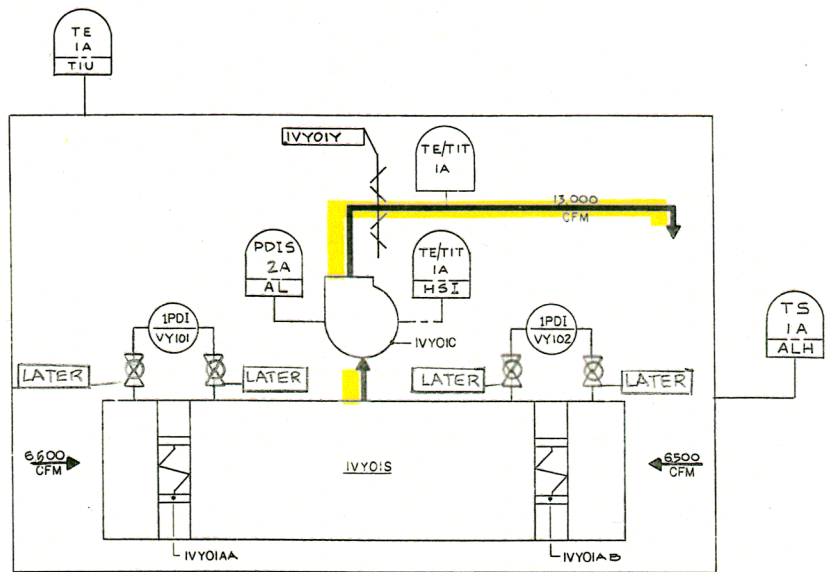
**NUCLEAR SAFETY RELATED**  
ITEMS ARE SHOWN ON THIS DRAWING  
(FOR SAFETY CLASSIFICATION SEE PIPING,  
EQUIPMENT, VALVE, OR INSTRUMENT LISTS.)

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

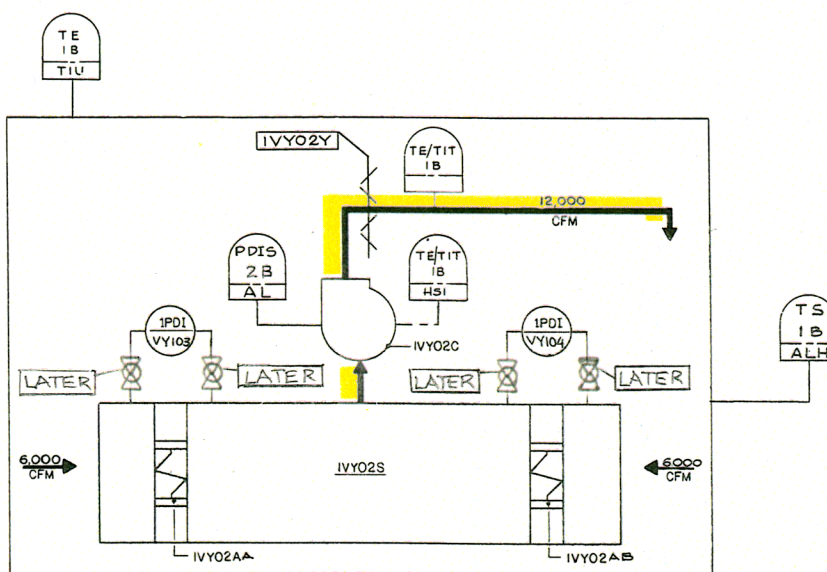
FIGURE 3.6-1  
DIVISIONAL SEPARATION AND  
HIGH-ENERGY P&ID'S-  
ESSENTIAL SWITCHGEAR HEAT REMOVAL  
SHEET 102 OF 111



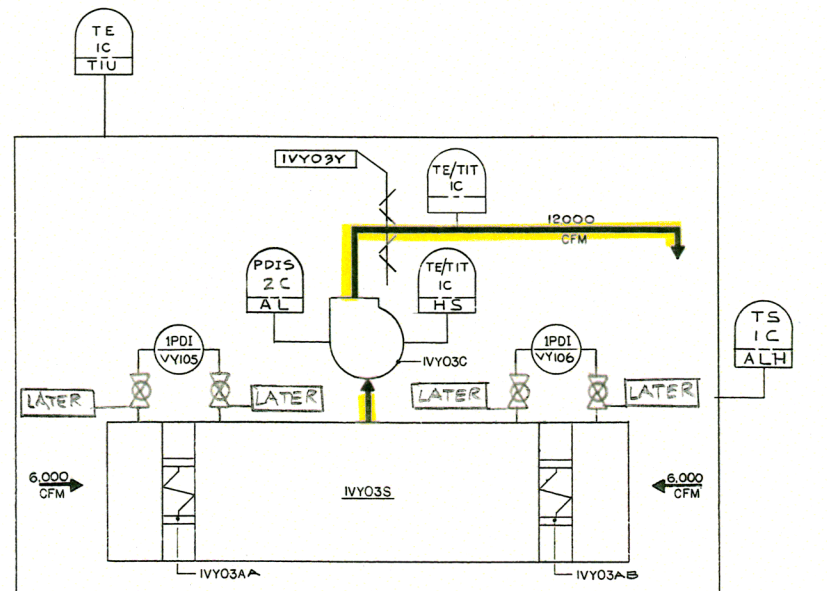
- IVY01S ECCS LPCS PUMP ROOM COIL CABINET K-2902
- IVY01C ECCS LPCS PUMP ROOM SUPPLY FAN K-2904
- IVY01AA, AB ECCS LPCS PUMP ROOM COOLING COIL K-2902
- IVY02C ECCS RHR PUMP ROOM A SUPPLY FAN K-2904
- IVY02S ECCS RHR PUMP ROOM A COIL CABINET K-2902
- IVY02AA, AB ECCS RHR PUMP ROOM A COOLING COIL K-2902
- IVY03C ECCS RHR HEAT EXCH.A ROOM SUPPLY FAN K-2904
- IVY03S ECCS RHR HEAT EXCH.A ROOM COIL CABINET K-2902
- IVY03AA, AB ECCS RHR HEAT EXCH.A ROOM COOLING COIL K-2902
- IVY04C ECCS RCIC PUMP ROOM SUPPLY FAN K-2904
- IVY04S ECCS RCIC PUMP ROOM COIL CABINET K-2902
- IVY04A ECCS RCIC PUMP ROOM COOLING COIL K-2902
- IVY05C ECCS RHR HEAT EXCH.B ROOM SUPPLY FAN K-2904
- IVY05S ECCS RHR HEAT EXCH.B ROOM COIL CABINET K-2902
- IVY05AA, AB ECCS RHR HEAT EXCH.B ROOM COOLING COIL K-2902



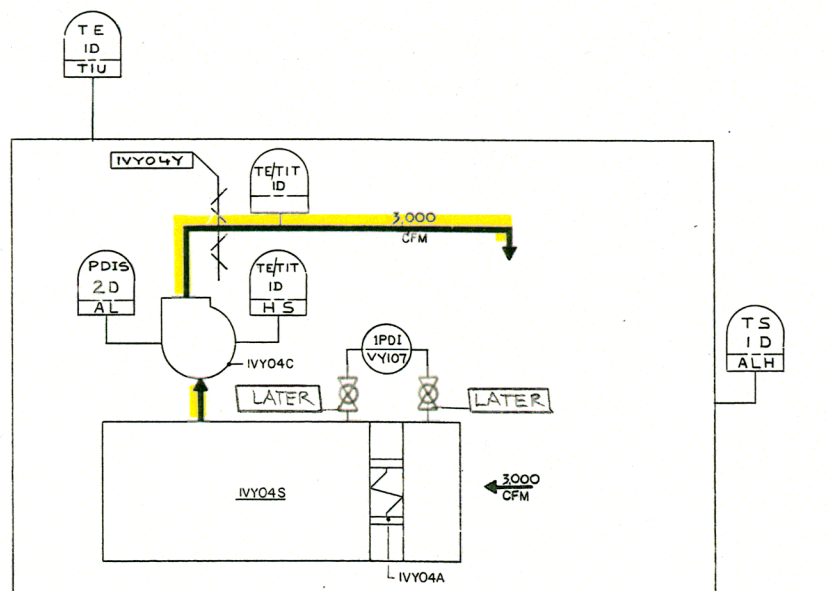
LPCS PUMP ROOM



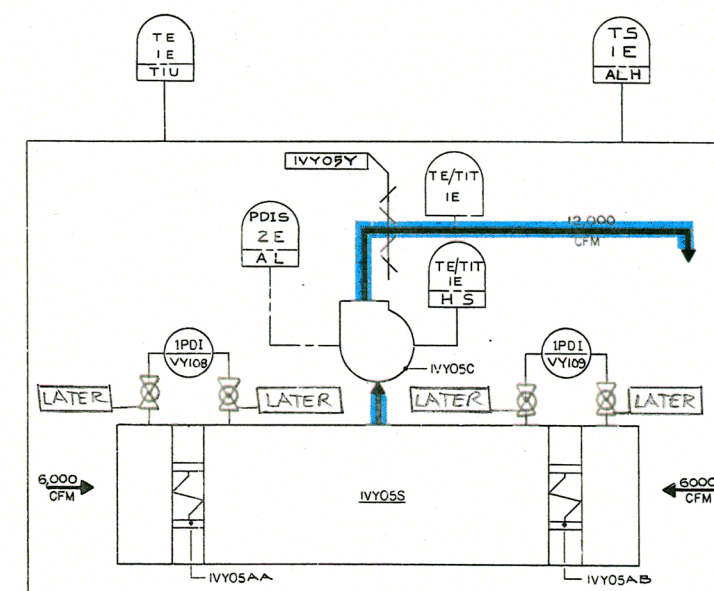
RHR PUMP A ROOM



RHR HEAT EXCHANGER A ROOM



RCIC PUMP ROOM



RHR HEAT EXCHANGER B ROOM

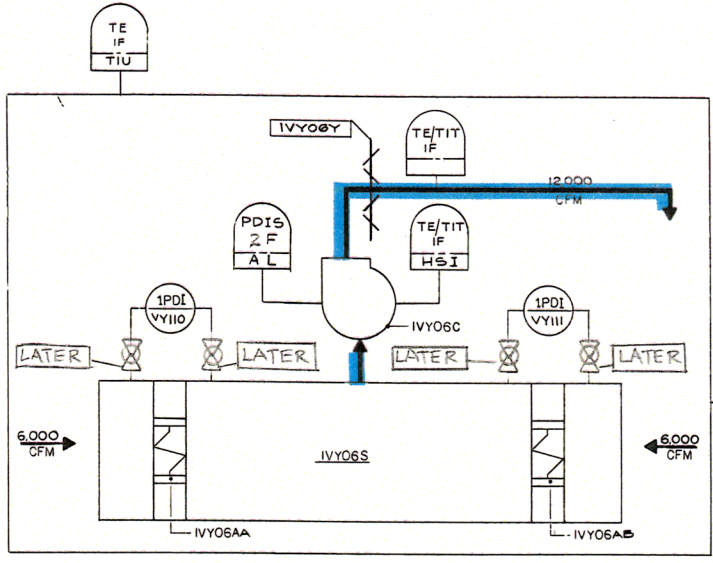
NOTES:  
 1. THE AIR FLOW FOR CABINETS WERE CALCULATED AT A DENSITY OF .075 LBS/FT<sup>3</sup>.  
 2. NUCLEAR SAFETY-RELATED DUCTWORK SYSTEM IS SHOWN ON THIS P&ID. THIS CLASSIFICATION APPLIES TO DUCTWORK AND DUCTWORK ACCESSORIES (EXCEPT DAMPERS) FURNISHED, FABRICATED AND INSTALLED UNDER SPECIFICATION K-2910. FOR SAFETY CLASSIFICATION OF DUCTWORK SUPPORTS, SEE SUPPORT DRAWINGS.  
 FOR SAFETY CLASSIFICATION OF EQUIPMENT SEE EQUIPMENT LIST.  
 FOR SAFETY CLASSIFICATION OF PIPING/VALVES, SEE LINE/VALVE LIST.  
 FOR SAFETY CLASSIFICATION OF DAMPERS, SEE APPROPRIATE DAMPER LIST.

NOTE  
 THE P&ID/C&I DIAGRAMS FOR THE C&I FUNCTION SYMBOLS ARE SHOWN ON DRAWING M10-9116 UNLESS OTHERWISE NOTED. SHEET NUMBER & DIAGRAM REFERENCE ARE SHOWN IN THE FUNCTION SYMBOL.

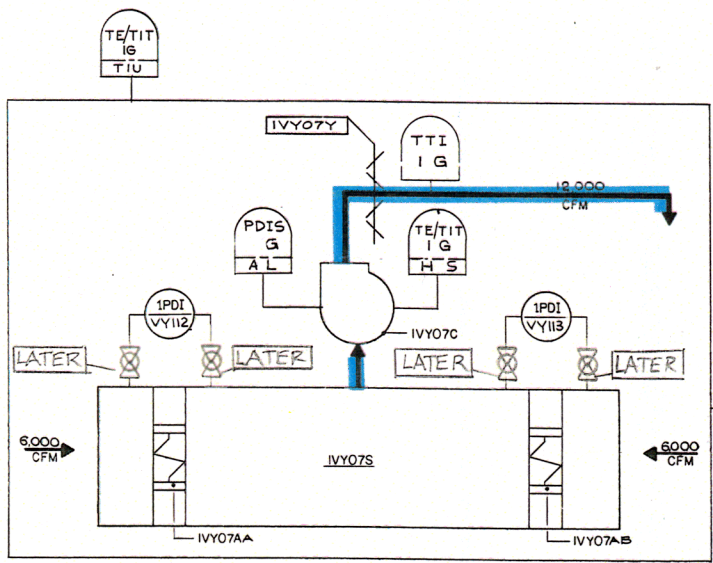
**NUCLEAR SAFETY RELATED**  
 ITEMS ARE SHOWN ON THIS DRAWING  
 (FOR SAFETY CLASSIFICATION SEE PIPING, EQUIPMENT, VALVE, OR INSTRUMENT LISTS.)

9111-GOW  
SHEET 2 OF 2

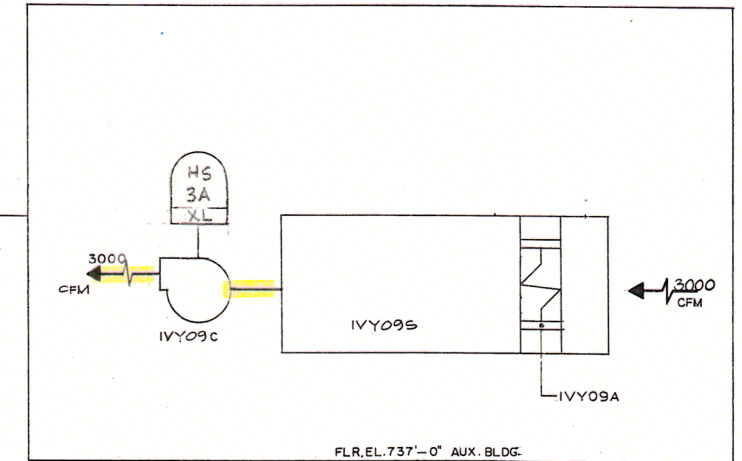
- IVY06S  
ECCS  
RHR PUMP  
ROOM B  
COIL CABINET  
K-2902
- IVY06C  
ECCS  
RHR PUMP ROOM B  
SUPPLY FAN  
K-2904
- IVY06AA, AB  
ECCS  
RHR PUMP ROOM B  
COOLING COILS  
K-2902
- IVY07C  
ECCS  
RHR PUMP  
ROOM C  
SUPPLY FAN  
K-2904
- IVY07S  
ECCS  
RHR PUMP  
ROOM C  
COIL CABINET  
K-2902
- IVY07AA, AB  
ECCS  
RHR PUMP ROOM C  
COOLING COILS  
K-2902
- IVY08CA, CB  
ECCS  
HPCS PUMP ROOM  
SUPPLY FANS A & B  
K-2904
- IVY08AA, AB, AC, AD  
ECCS  
HPCS PUMP ROOM  
COOLING COILS A, B, C, D  
K-2902
- IVY08SA, B  
ECCS  
HPCS PUMP ROOM  
COIL CABINETS A & B  
K-2902
- IVY09S  
MSIV INBOARD ROOM  
COIL CABINET  
K-2902  
IVY10S  
MSIV OUTBOARD ROOM  
COIL CABINET  
K-2902
- IVY09A  
MSIV INBOARD ROOM  
COOLING COIL  
K-2902  
IVY10A  
MSIV OUTBOARD ROOM  
COOLING COIL  
K-2902
- IVY09C  
MSIV INBOARD ROOM  
SUPPLY FAN  
K-2904  
IVY10C  
MSIV OUTBOARD ROOM  
SUPPLY FAN  
K-2904



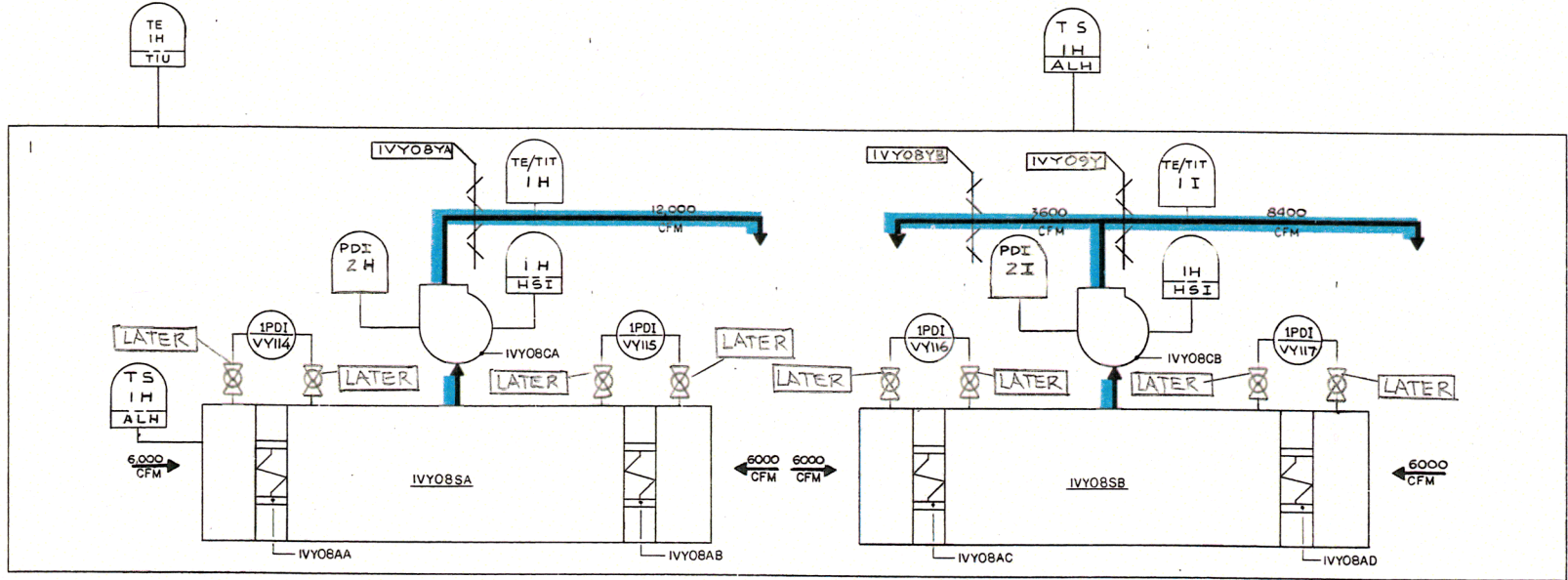
RHR PUMP B ROOM



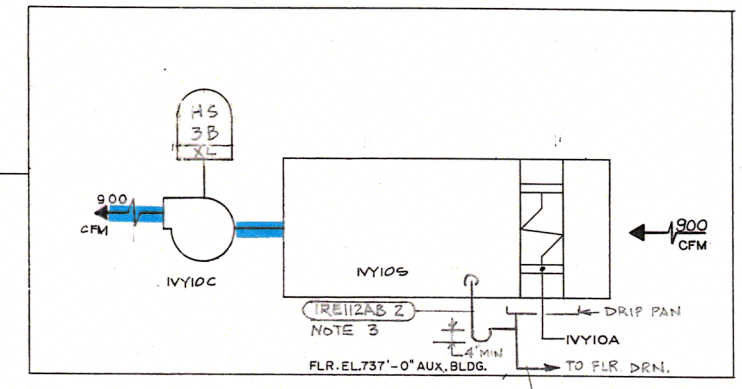
RHR PUMP C ROOM



MSIV INBOARD ROOM



HPCS PUMP ROOM



MSIV OUTBOARD ROOM

NOTES:  
 1. THE AIRFLOW FOR CABINETS WERE CALCULATED AT A DENSITY OF .075 lb/ft.<sup>3</sup>  
 2. NUCLEAR SAFETY-RELATED DUCTWORK SYSTEM IS SHOWN ON THIS PAID. THIS CLASSIFICATION APPLIES TO DUCTWORK AND DUCTWORK ACCESSORIES (EXCEPT DAMPERS) FURNISHED, FABRICATED AND INSTALLED UNDER SPECIFICATION K-2910. FOR SAFETY CLASSIFICATION OF DUCTWORK SUPPORTS, SEE SUPPORT DRAWINGS. FOR SAFETY CLASSIFICATION OF EQUIPMENT, SEE EQUIPMENT LIST. FOR SAFETY CLASSIFICATION OF PIPING/VALVES, SEE LINE/VALVE LIST. FOR SAFETY CLASSIFICATION OF DAMPERS, SEE APPROPRIATE DAMPER LIST.  
 3. DRAIN PIPING BY SPEC. K-2882.

**NUCLEAR SAFETY RELATED ITEMS ARE SHOWN ON THIS DRAWING**  
 (FOR SAFETY CLASSIFICATION SEE PIPING, EQUIPMENT, VALVE, OR INSTRUMENT LISTS.)

NOTE:  
 THE P&ID/C&I DIAGRAMS FOR THE C&I FUNCTION SYMBOLS ARE SHOWN ON DRAWING M10-5116 UNLESS OTHERWISE NOTED. SHEET NUMBER & DIAGRAM REFERENCE ARE SHOWN IN THE FUNCTION SYMBOL.

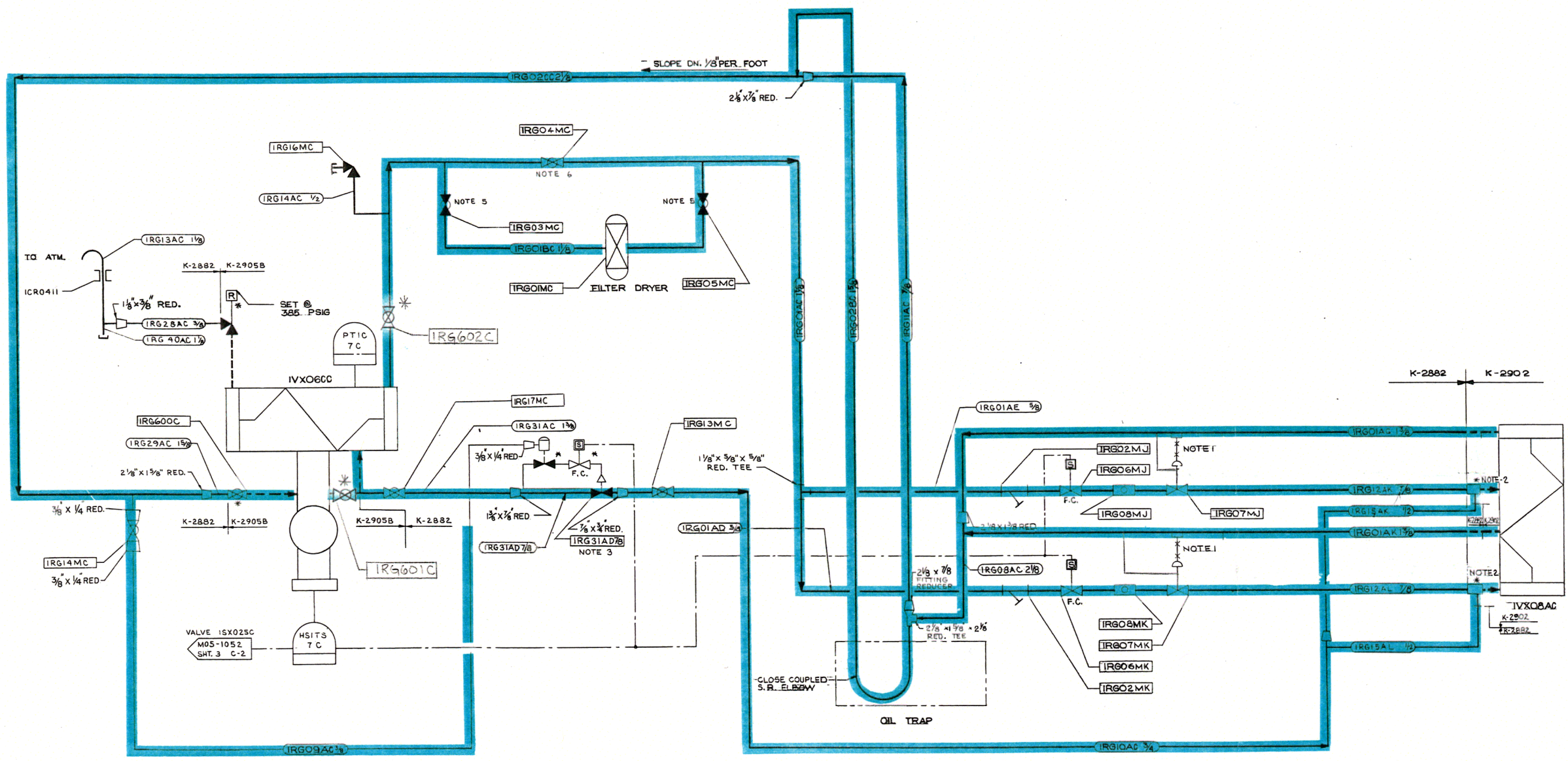
CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT  
 FIGURE 3.6-1  
 DIVISIONAL SEPARATION AND  
 HIGH-ENERGY P&ID'S-  
 ECCS EQUIPMENT ROOM COOLING  
 (SHEET 104 OF 111)



MOS-1121  
SHEET 2 OF 7

IVX06CC  
SWITCHGEAR HEAT REMOVAL  
CONDENSING UNIT IC  
K-2905B

IVX08AC  
SWITCHGEAR HEAT REMOVAL  
COOLING COIL IC  
K-2902



- NOTES:
1. 1/4" EQUALIZER LINES
  2. SIDE INLET HOT GAS BY-PASS VENTURI TYPE DISTRIBUTOR
  3. HOT GAS BY-PASS ASSEMBLY
  4. \* INDICATES FURNISHED WITH EQUIPMENT
  5. VALVES ARE NORMALLY OPEN DURING START-UP AND PRE-OP. TESTING ONLY, NORMALLY CLOSED DURING NORMAL OPERATION.
  6. VALVES ARE NORMALLY CLOSED DURING START-UP AND PRE-OP TESTING ONLY, NORMALLY OPEN DURING NORMAL OPERATION.

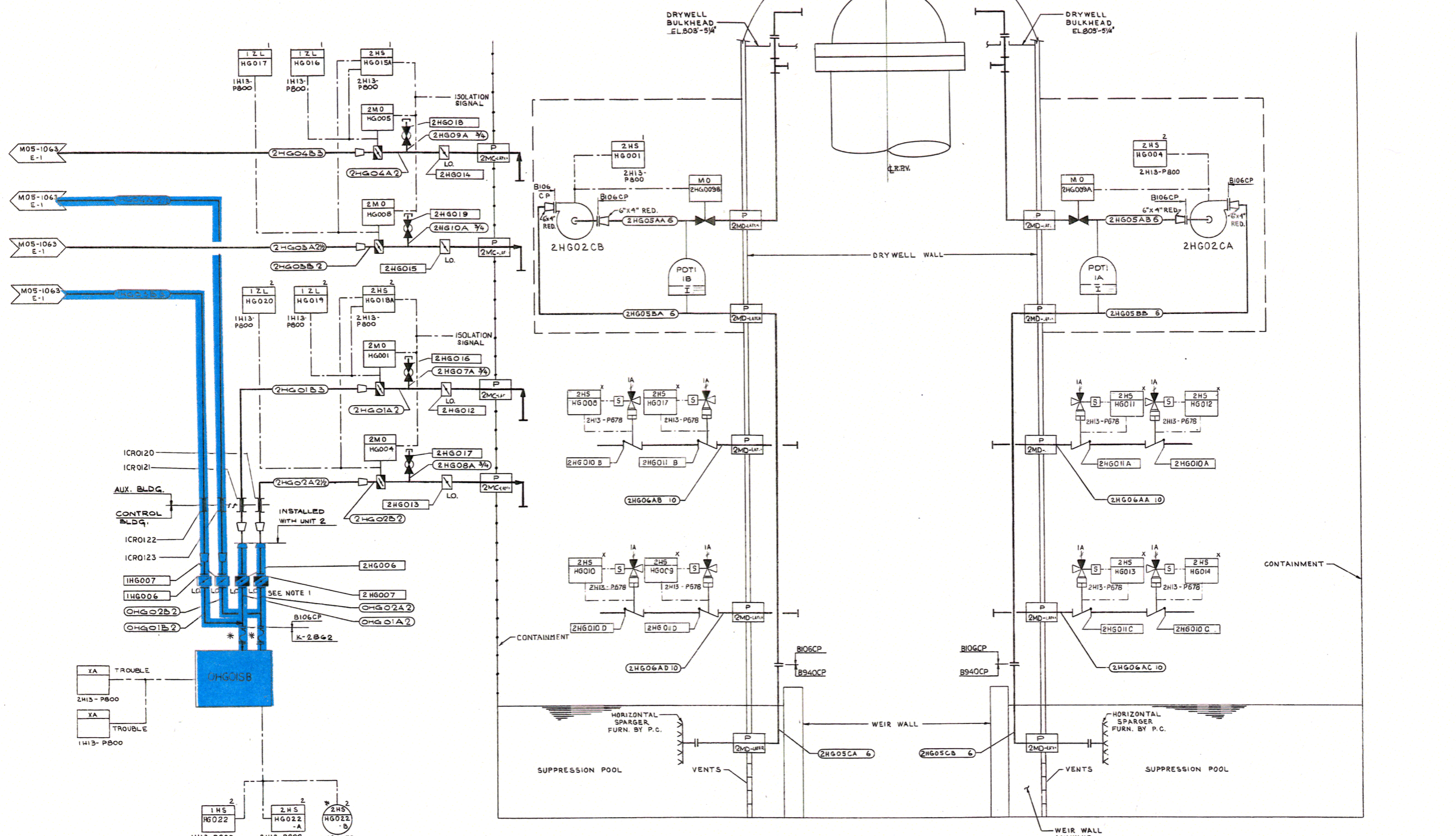
**NUCLEAR SAFETY RELATED**  
ITEMS ARE SHOWN ON THIS DRAWING  
(FOR SAFETY CLASSIFICATION SEE PIPING,  
EQUIPMENT, VALVE, OR INSTRUMENT LISTS.)

NOTE  
THE P&ID/C&I DIAGRAMS FOR THE C&I  
FUNCTION SYMBOLS ARE SHOWN ON DRAWING M10-2115  
UNLESS OTHERWISE NOTED SHEET NUMBER & DIAGRAM  
REFERENCE ARE SHOWN IN THE FUNCTION LISTS.

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT  
FIGURE 3.6-1  
DIVISIONAL SEPARATION AND  
HIGH-ENERGY P&ID'S-  
REFRIGERATION PIPING SWITCHGEAR  
HEAT REMOVAL  
SHEET 108 OF 111

OHGOISB  
CGCS HYDROGEN RECOMBINER  
K-2862

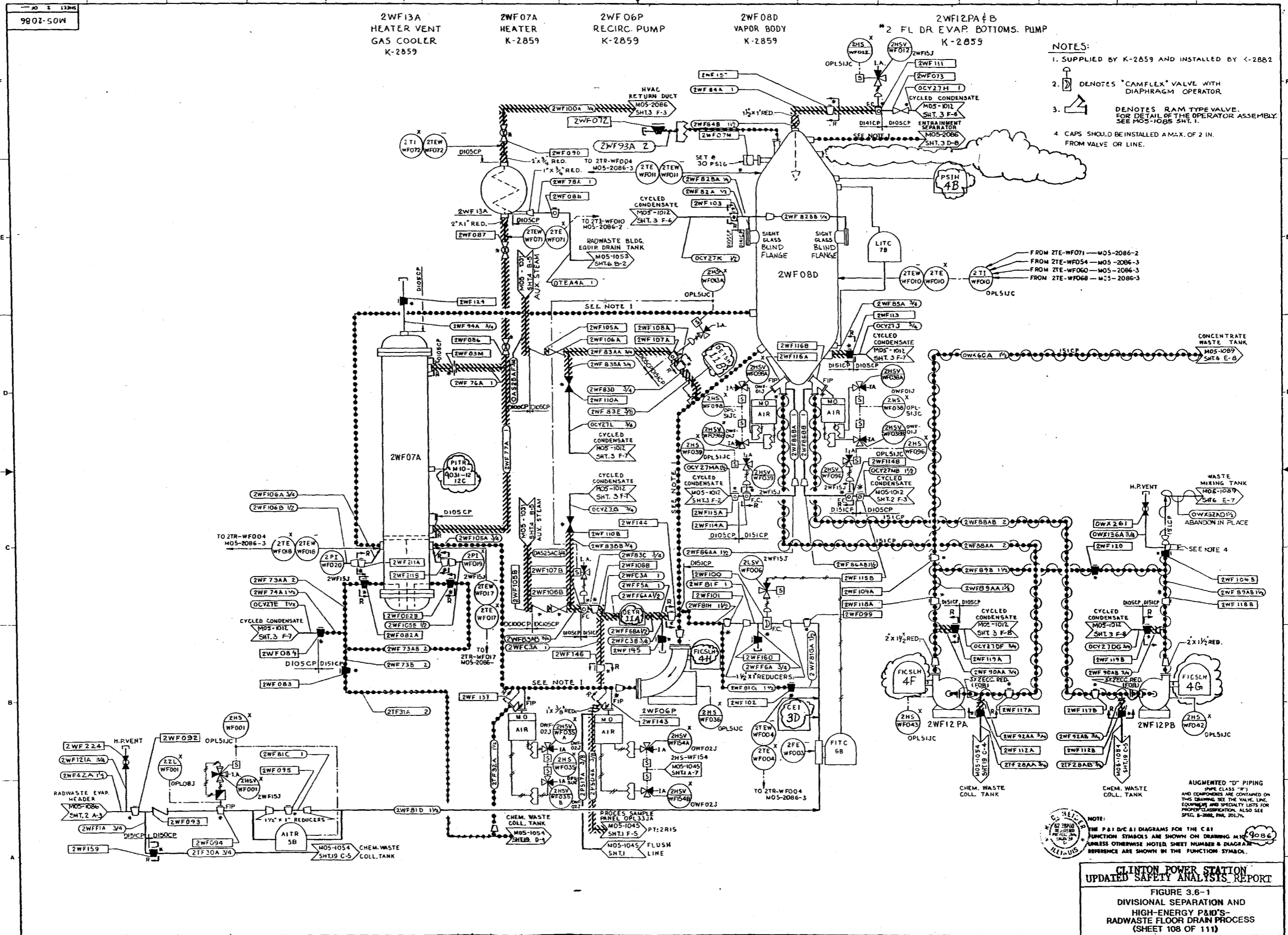
2HG02CA & 2HG02CB  
CGCS HYDROGEN  
COMPRESSORS 2A & 2B  
K-2862



NOTES: 1. WHEN UNIT 2 IS INSTALLED, VALVES 1HG006 AND 1HG007 SHALL BE LOCKED CLOSED, AND VALVES 2HG006 AND 2HG007 SHALL BE LOCKED OPEN.

**NUCLEAR SAFETY RELATED**  
ITEMS ARE SHOWN ON THIS DRAWING  
(FOR SAFETY CLASSIFICATION SEE PIPING,  
EQUIPMENT, VALVE OR INSTRUMENT LISTS.)

NOTE:  
THE P&ID/C&I DIAGRAMS FOR THE C&I  
FUNCTION SYMBOLS ARE SHOWN ON DRAWING M10-2063  
UNLESS OTHERWISE NOTED. SHEET NUMBER & DIAGRAM  
REFERENCE ARE SHOWN IN THE FUNCTION SYMBOL.



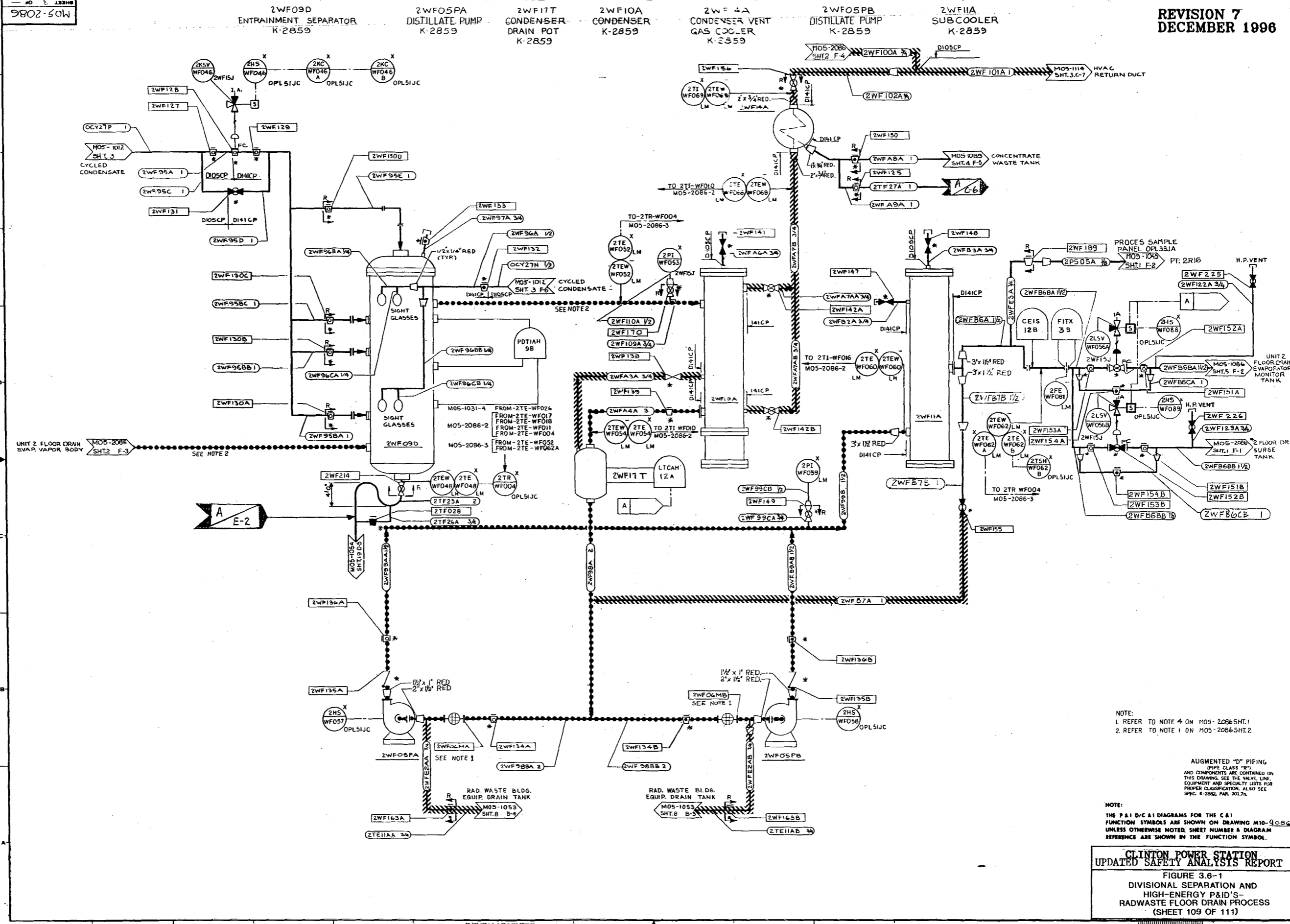
- NOTES:
1. SUPPLIED BY K-2859 AND INSTALLED BY K-2882
  2. DENOTES "CAMFLEX" VALVE WITH DIAPHRAGM OPERATOR
  3. DENOTES RAM TYPE VALVE. FOR DETAIL OF THE OPERATOR ASSEMBLY SEE MOS-1085 SHT. 1.
  4. CAPS SHOULD BE INSTALLED A MAX. OF 2 IN. FROM VALVE OR LINE.

FROM ZTE-WF071 — MOS-2086-2  
FROM ZTE-WF054 — MOS-2086-3  
FROM ZTE-WF060 — MOS-2086-3  
FROM ZTE-WF068 — MOS-2086-3

AUGMENTED "D" PIPING  
PIPE CLASS "D"  
AND COMPONENTS ARE CONTAINED ON  
THIS DRAWING. SEE THE VALVE, LINE,  
EQUIPMENT AND SPECIALTY LISTS FOR  
PROPER CLASSIFICATION. ALSO SEE  
SPEC. 8-2882, PAR. 20.17.

NOTE:  
THE P&ID DIAGRAMS FOR THE C&I  
FUNCTION SYMBOLS ARE SHOWN ON DRAWING MOS-2086  
UNLESS OTHERWISE NOTED, SHEET NUMBER & DIAGRAM  
REFERENCE ARE SHOWN IN THE FUNCTION SYMBOL.

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT  
FIGURE 3.6-1  
DIVISIONAL SEPARATION AND  
HIGH-ENERGY P&ID'S-  
RADWASTE FLOOR DRAIN PROCESS  
(SHEET 108 OF 111)



NOTE:  
 1. REFER TO NOTE 4 ON MOS-2086 SHT.1  
 2. REFER TO NOTE 1 ON MOS-2086 SHT.2

AUGMENTED "D" PIPING  
 (PIPE CLASS "RT")  
 AND COMPONENTS ARE CONTAINED ON  
 THIS DRAWING. SEE THE VALVE, LINE,  
 EQUIPMENT AND SPECIALTY LISTS FOR  
 PROPER CLASSIFICATION. ALSO SEE  
 SPEC. K-2882, PAR. 201.7A.

NOTE:  
 THE P&ID/C&I DIAGRAMS FOR THE C&I  
 FUNCTION SYMBOLS ARE SHOWN ON DRAWING M10-9086  
 UNLESS OTHERWISE NOTED. SHEET NUMBER & DIAGRAM  
 REFERENCE ARE SHOWN IN THE FUNCTION SYMBOL.

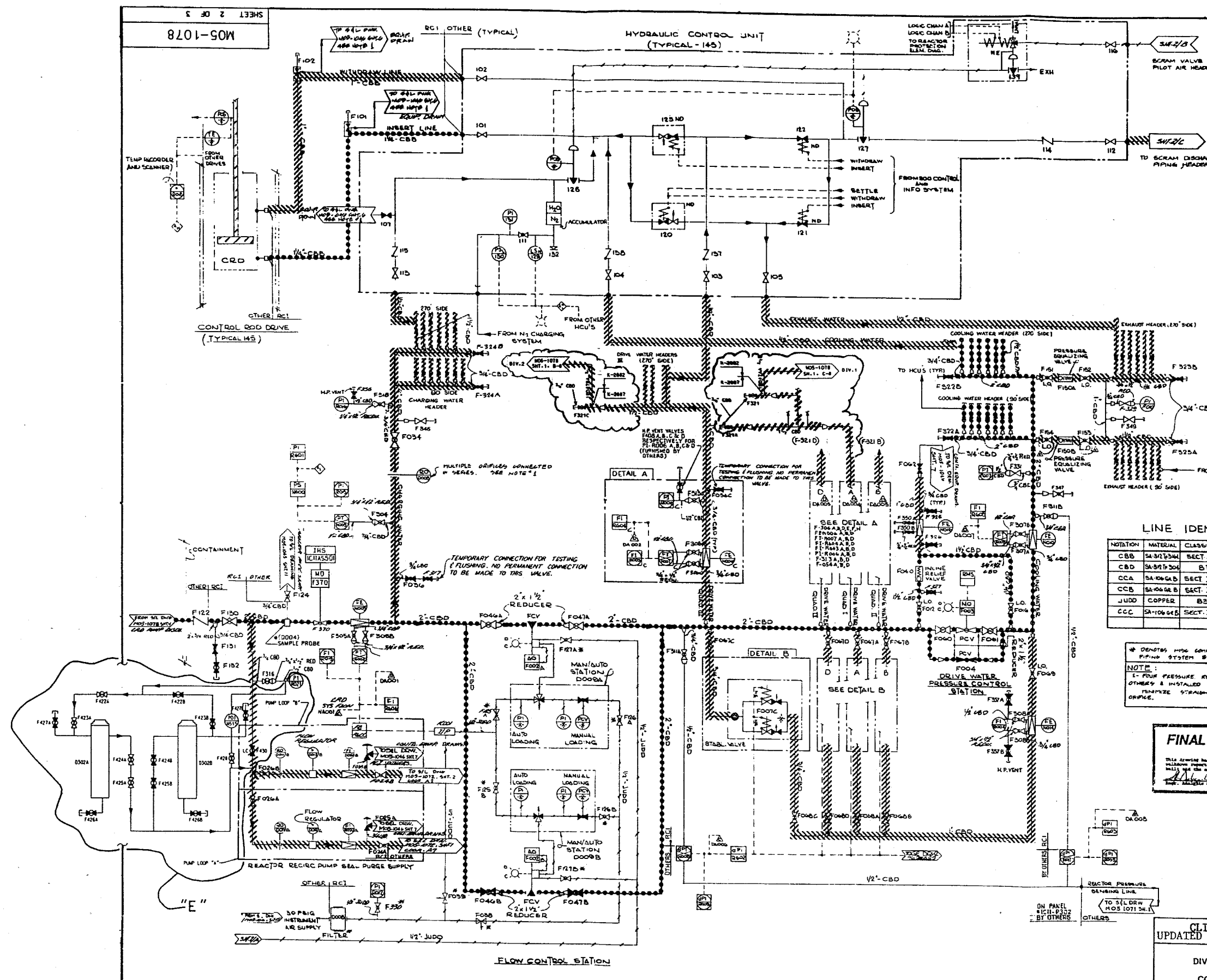
CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT  
 FIGURE 3.6-1  
 DIVISIONAL SEPARATION AND  
 HIGH-ENERGY P&ID'S-  
 RADWASTE FLOOR DRAIN PROCESS  
 (SHEET 109 OF 111)



TABULATION OF INSTRUMENTATION LOCATED ON INSTRUMENT PANELS K11-P301 AND K11-P302 (PANELS PROVIDED BY OTHERS)

PANEL #	INSTR. #
K11-P301	FT-K11-M006
	PT-K11-M009
	FT-K11-M007A
	FT-K11-M007B
	FT-K11-M007C
	FT-K11-M007D
	POT-K11-M008
	PT-K11-M009
	POT-K11-M011
	PT-K11-M012
K11-P302	PI-K11-R003A
	PI-K11-R003B
	PI-K11-R003C
	PI-K11-R003D
	PI-K11-R004
	PI-K11-R005
	PI-K11-R006A
	PI-K11-R006B
	PI-K11-R006C
	PI-K11-R006D
	PI-K11-R007
	PI-K11-R010
	PI-K11-R012
	PI-K11-R013
PI-K11-R014	
FK-K11-D004A	
FK-K11-D004B	
FY-K11-K001	

NOTE:  
\* THESE INSTRUMENTS SHALL BE PROVIDED WITH HIGH POINT VENT VALVES ABOVE INSTR. PANEL.



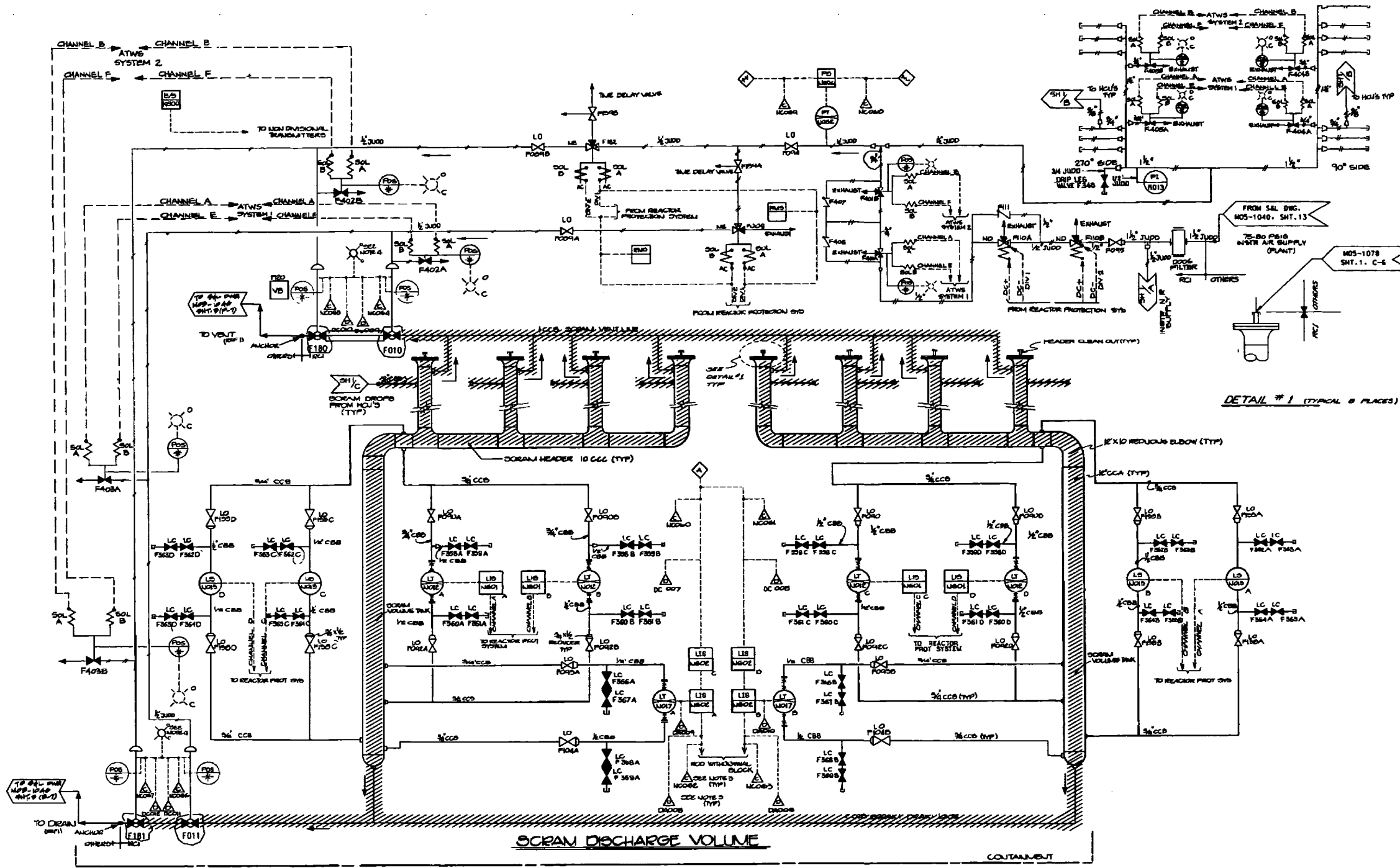
LINE IDENTIFICATION

NOTATION	MATERIAL	CLASSIFICATION	SCHEDULE	ST. SMC
CBB	SA-312/304	SECT. III CL-2	80	CL-1
CBD	SA-312/304	B31-1	80	NON-SOSM
CCA	SA-106/65	SECT. III CL-2	100	CL-1
CCB	SA-106/65	SECT. III CL-2	100	CL-1
JDD	COPPER	B31-1	B-88/8K	NON-SOSM
CCC	SA-106/65	SECT. III CL-2	80	CL-1

\* DENOTES HPS COMPONENTS FURNISHED WITH ASSOCIATED PIPING SYSTEM BY RCI.  
NOTE:  
1. FOUR PRESSURE REDUCING ORIFICES TO BE FURNISHED BY OTHERS & INSTALLED BY RCI IN SERIES.  
MINIMIZE STRAIGHT PIPE LENGTH BETWEEN EACH ORIFICE.

**FINAL AS-BUILT DRAWING**  
This drawing has incorporated all applicable RCI, HPS and licensee reports to indicate responsibility between the parties and the analyzed condition.  
*Robert J. Davis*  
DATE: 12/15/96

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT  
FIGURE 3.6-1  
DIVISIONAL SEPARATION AND  
HIGH-ENERGY PAID'S-  
CONTROL ROD DRIVE SYSTEM  
(SHEET 110 OF 111)

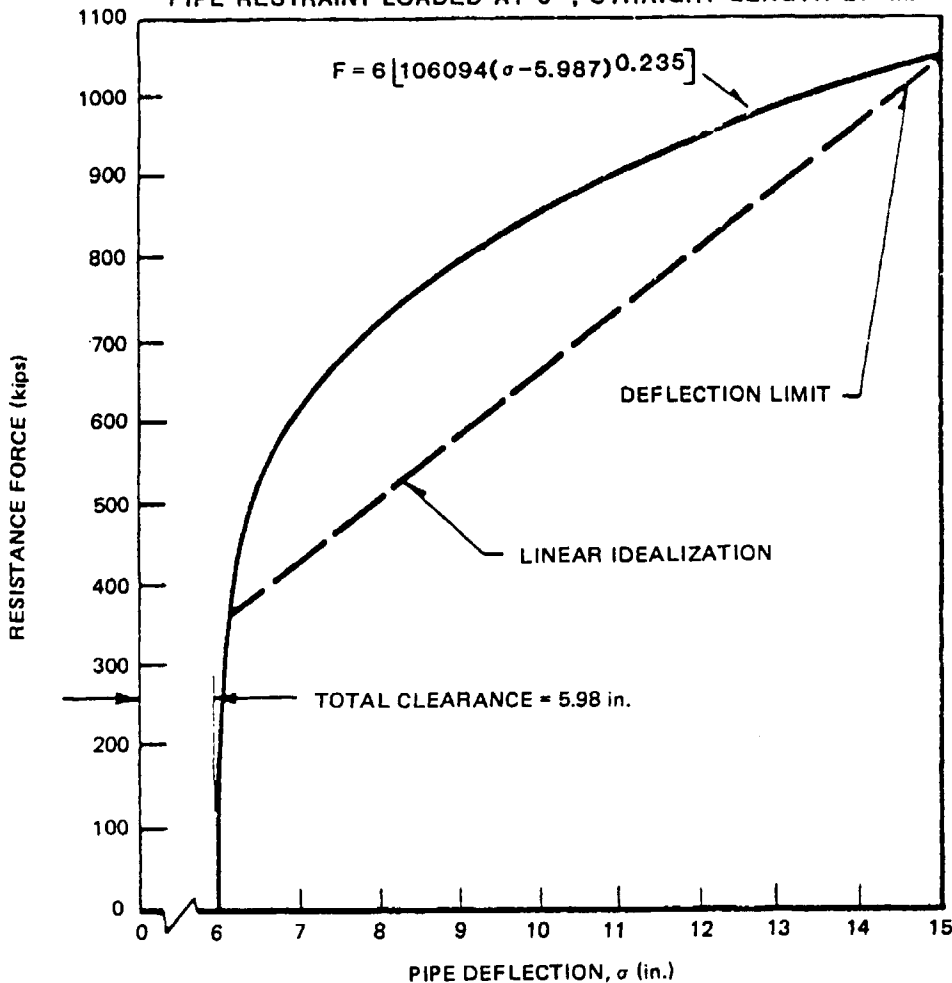


DETAIL #1 (TYPICAL IN PLACES)

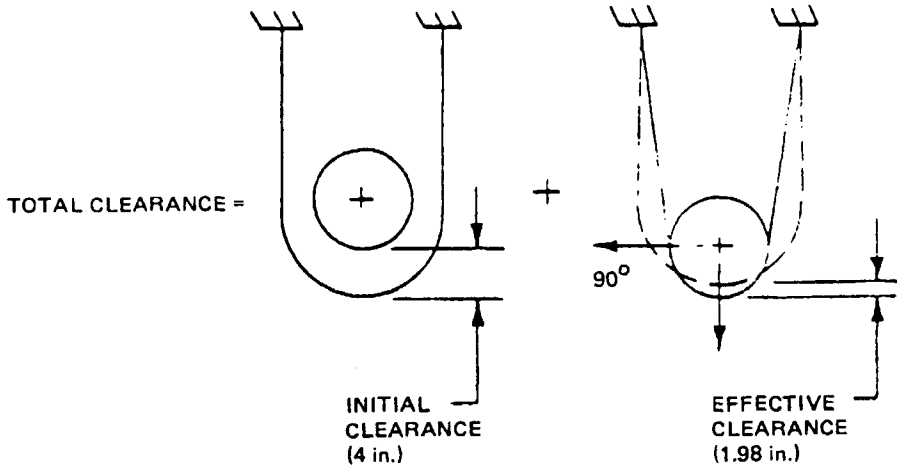
- NOTES
1. LEVEL TRANSMITTERS ON THE SCRAM DISCHARGE VOLUME WILL BE THE PULSED CAPILLARY TYPE.
  2. SCRAM DISCHARGE VOLUME TEST COIL MUST BE OPERATED TO PREVENT WATER FROM BEING IN THE BOTTOM LEGS OR WATER IN THE TOP LEGS.
  3. WIRE ELECTRICAL SIGNALS REPRESENT INPUT TO THE DISPLAY CONTROL SYSTEM FOR A AND WITH MAJORITY LOGIC CONTROL COMPUTER.
  4. INDICATE OPEN VALVE POSITION UNLESS OTHERWISE SPECIFIED AND CLOSED WHEN OTHER VALVE IS CLOSED.

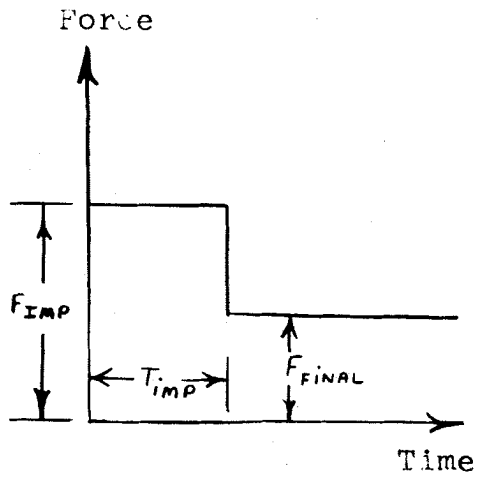


TYPICAL FORCE DEFLECTION CURVE FOR A 6-BAR, 24-in. PIPE RESTRAINT LOADED AT 0°, STRAIGHT LENGTH 27-in.

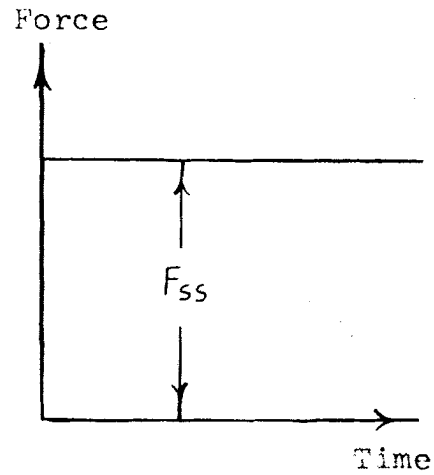


FOR CLINTON,  $\sigma = 8.194$ , WHICH DEFINES THE UPPER LOAD LIMIT FOR PIPE RESTRAINT





$$F_{SS} < F_{IMP}$$



$$F_{SS} > F_{IMP}$$

PIPE THRUST

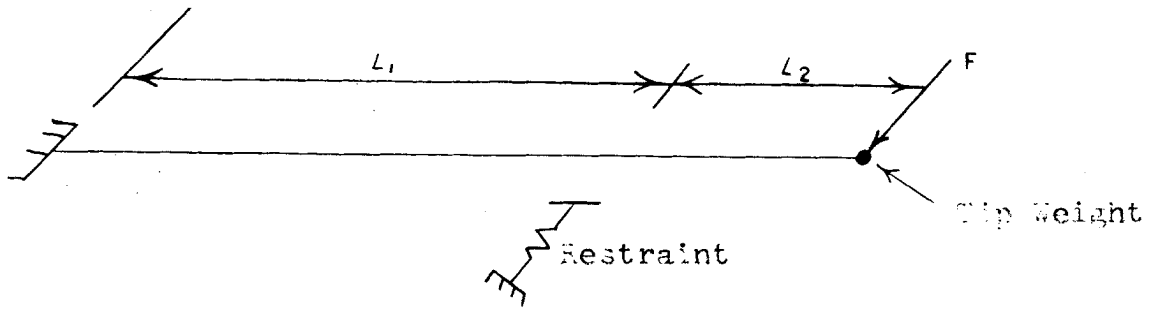
RESULTING FROM A CIRCUMFERENTIAL BREAK

CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

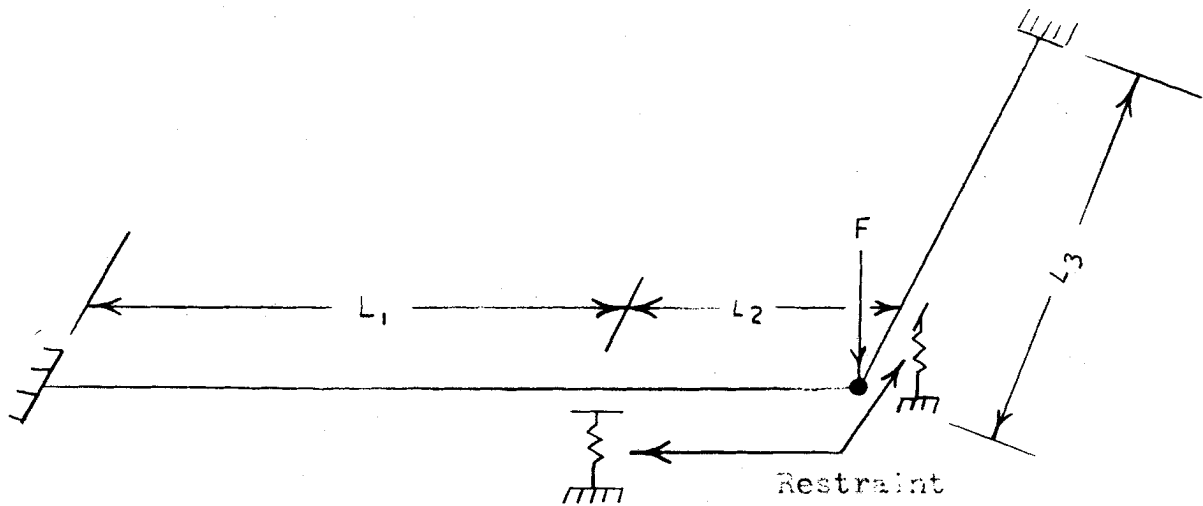
FIGURE 3.6-3

PIPE THRUST

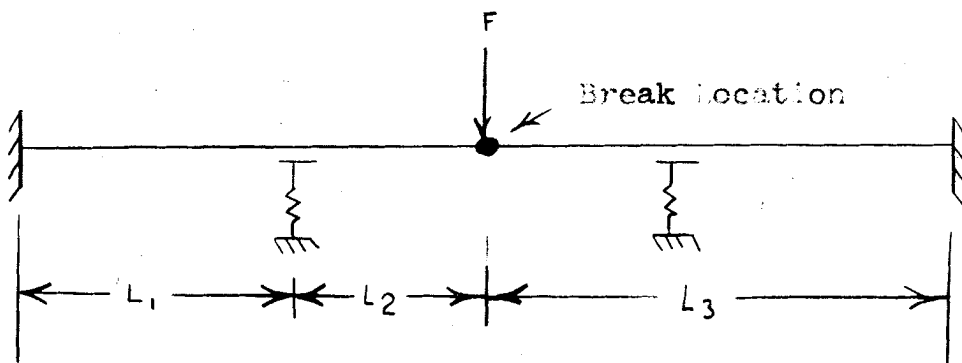
FIGURE 3.6-4  
HAS BEEN DELETED



Circumferential Break at Elbow



Longitudinal Break at an Elbow



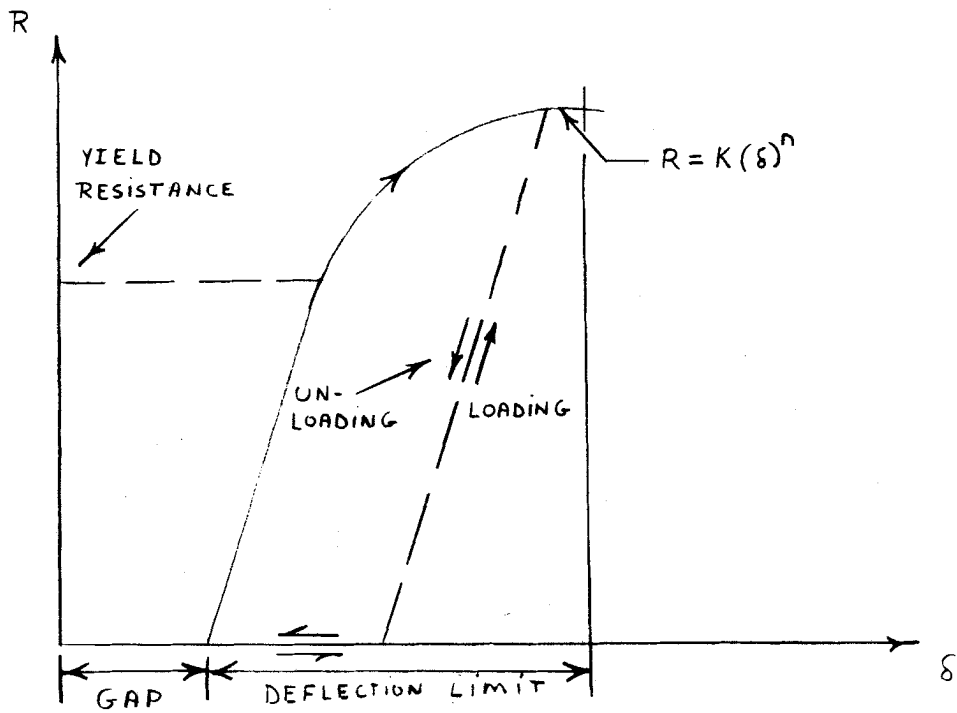
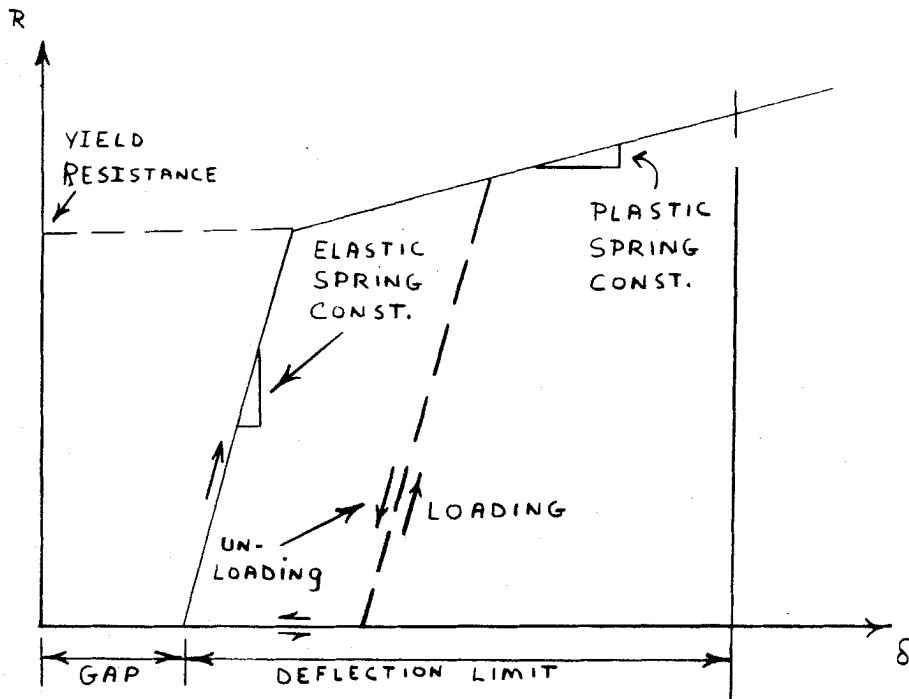
Longitudinal Break at an Interior Point

CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.6-5

PIPE WHIP MODELS - FINITE  
 DIFFERENCE METHOD

FIGURE 3.6-6  
HAS BEEN DELETED

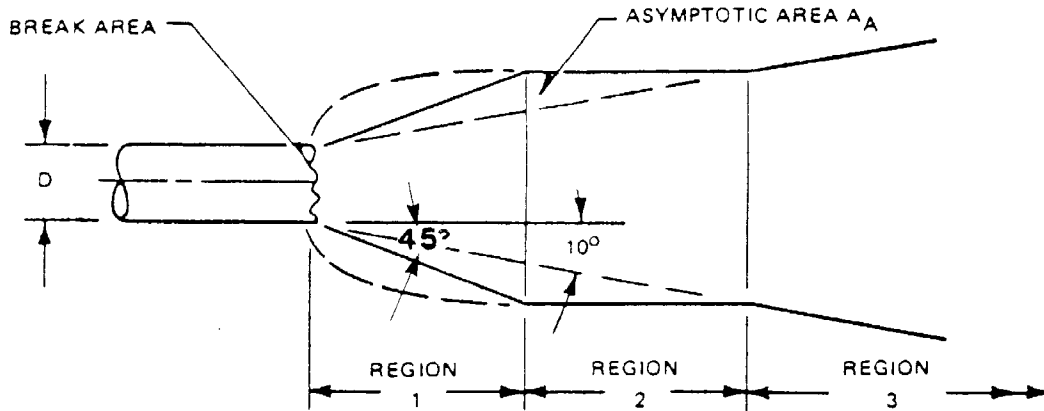


CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

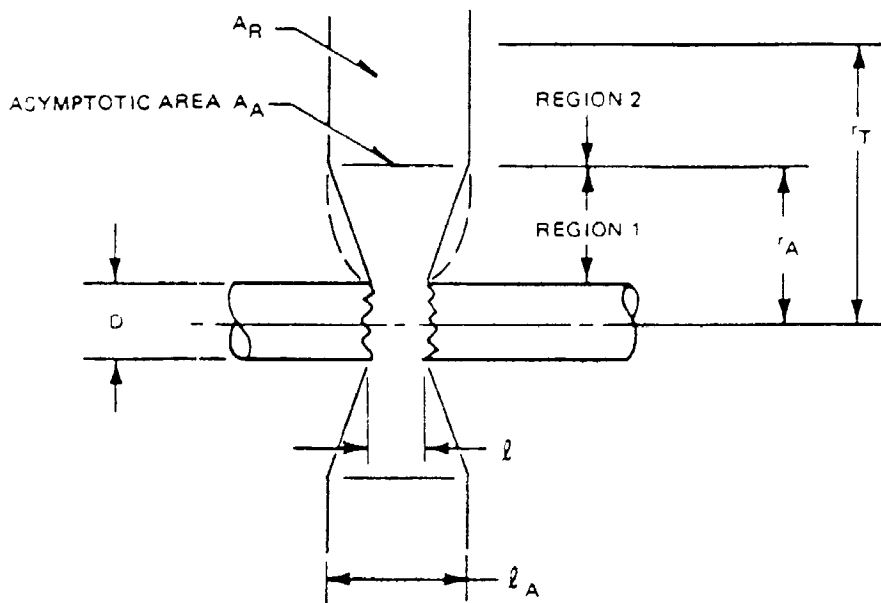
FIGURE 3.6-7

RESTRAINT PROPERTIES

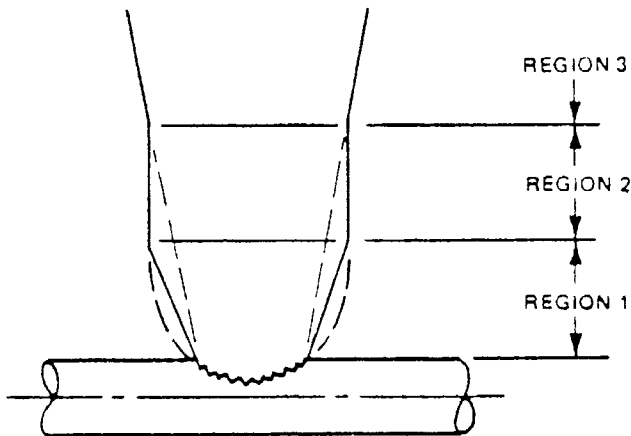
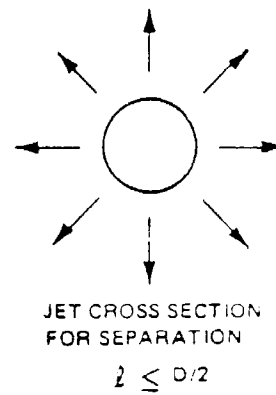




(A) CIRCUMFERENTIAL BREAK - FULL SEPARATION



(B) CIRCUMFERENTIAL BREAK - PARTIAL SEPARATION

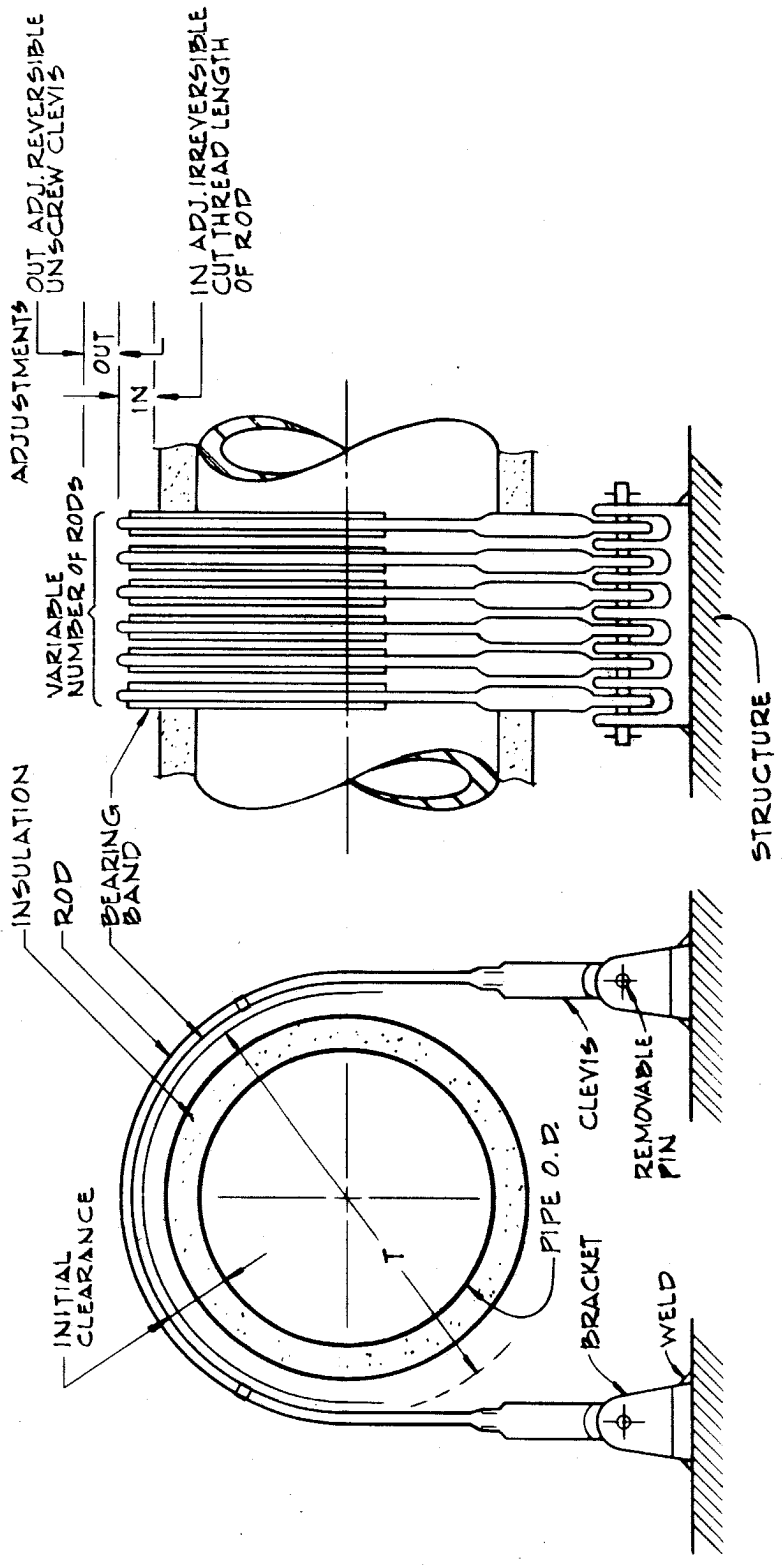


(C) LONGITUDINAL BREAK

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.6-8  
JET CHARACTERISTICS

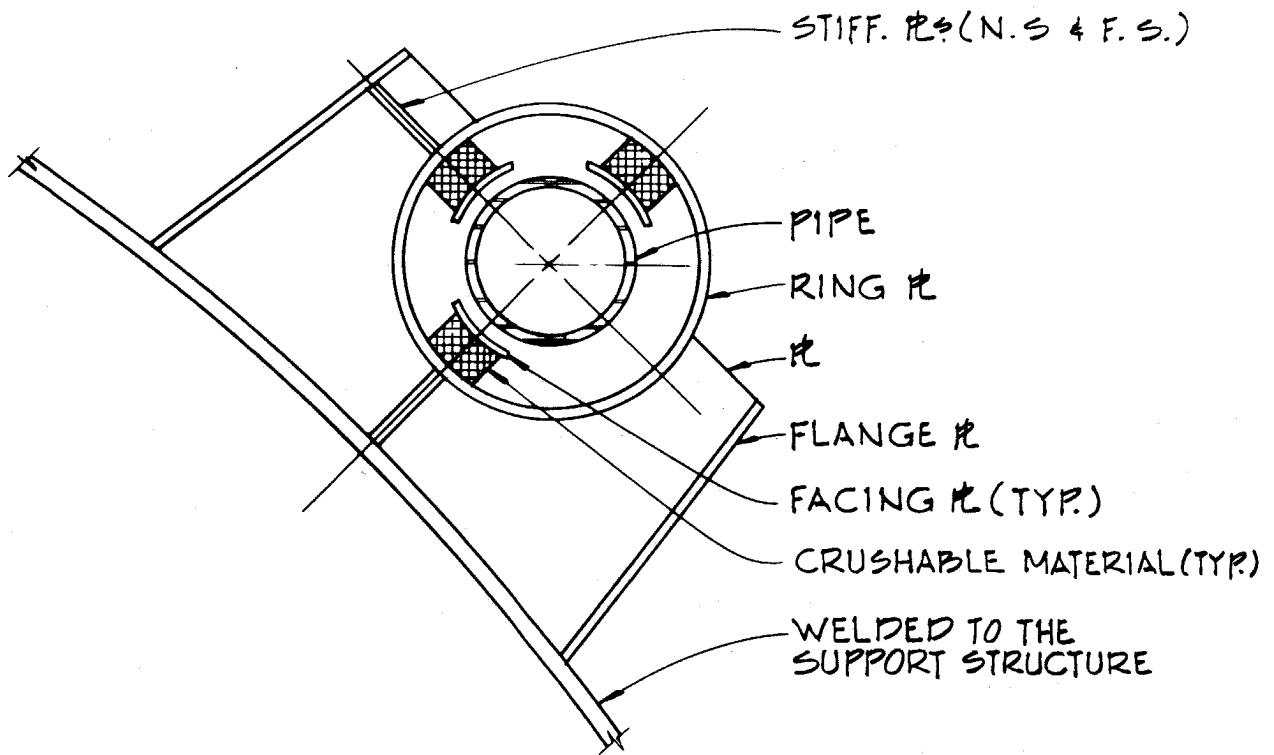
FIGURES 3.6-9 AND 3.6-10  
HAVE BEEN DELETED



CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.6-11

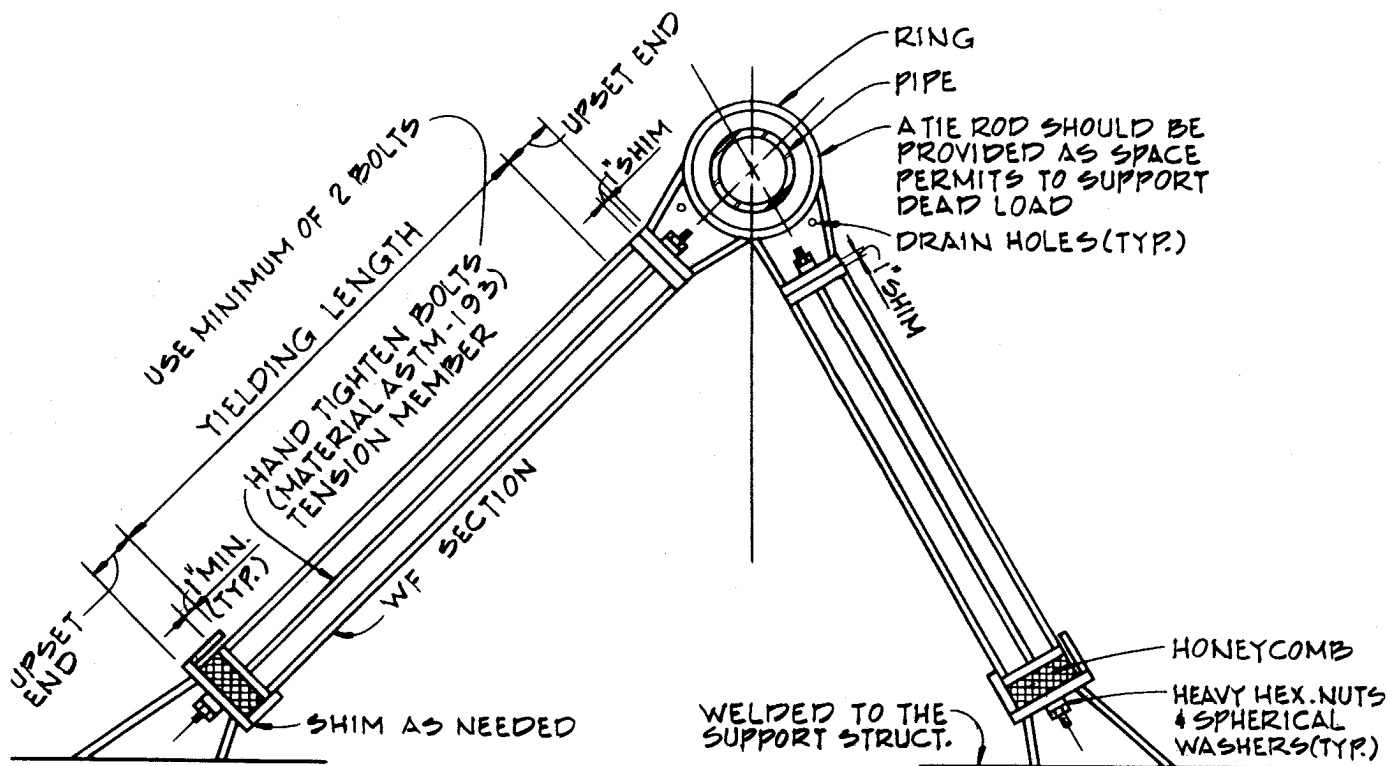
TYPICAL TENSION RESTRAINT



CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.6-12

TYPICAL CRUSHABLE MATERIAL RESTRAINT



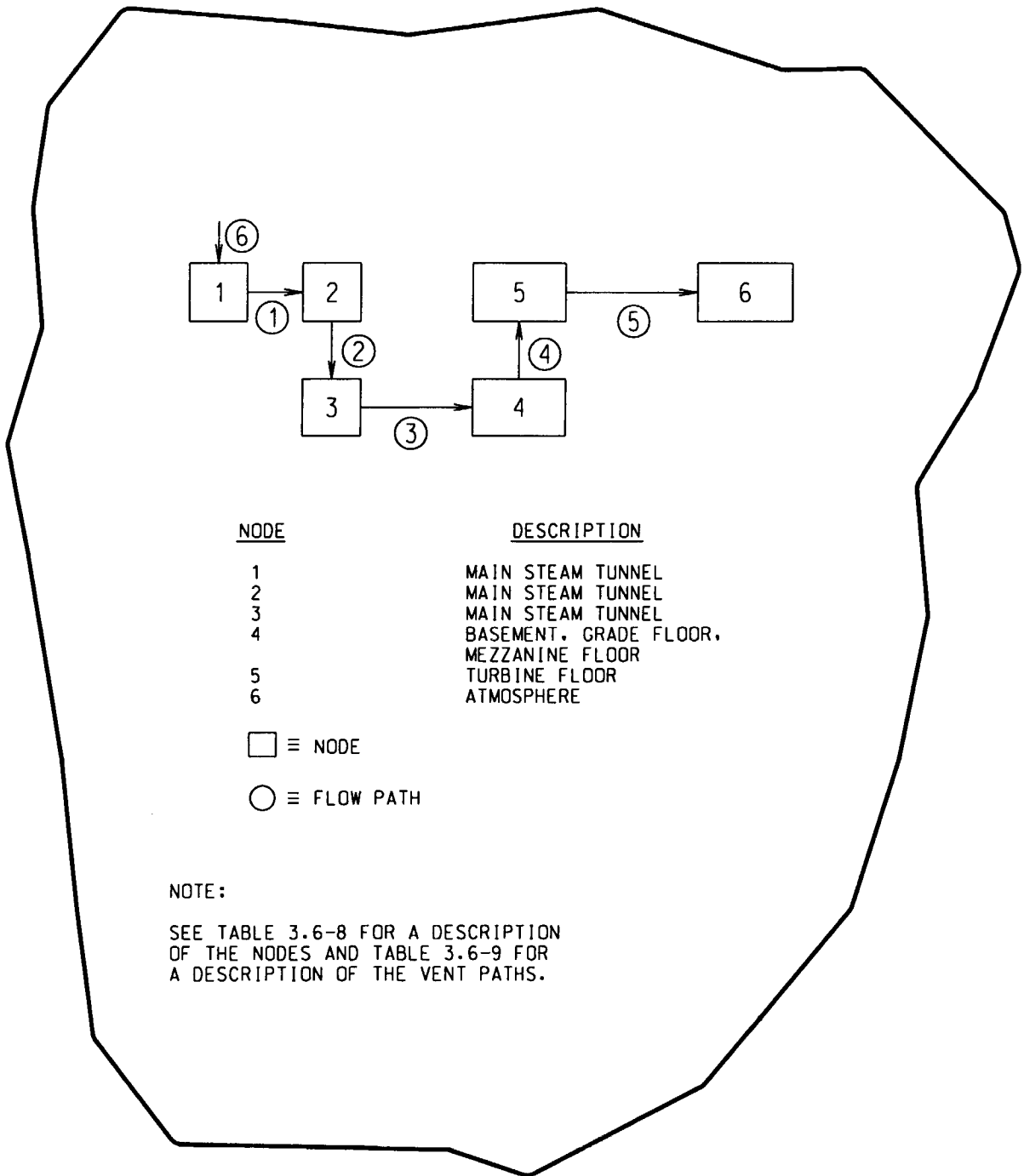
CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.6-13

TYPICAL TWO-LEGGED RESTRAINT

**CPS/USAR**

Figure 3.6-14  
Deleted



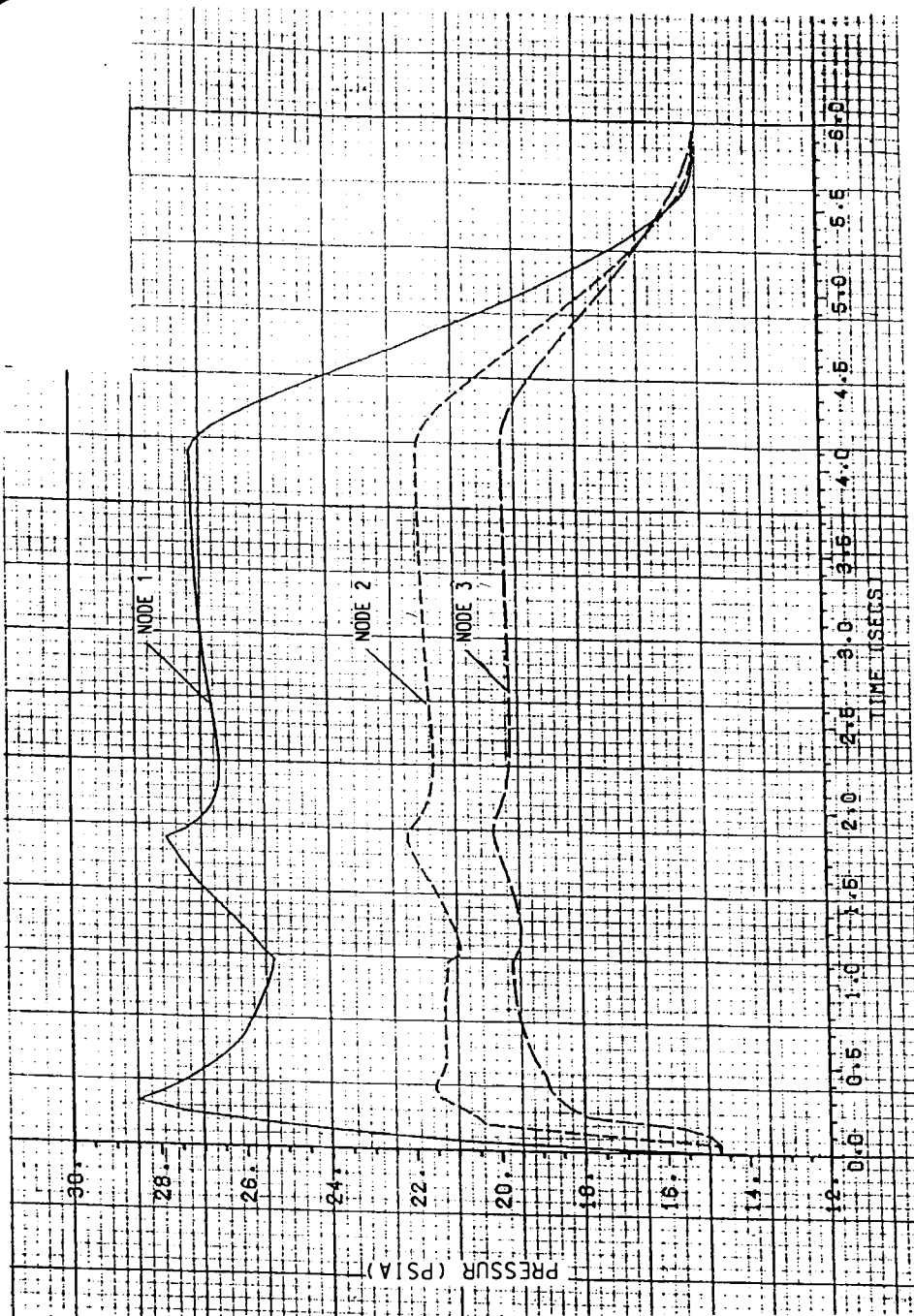
<u>NODE</u>	<u>DESCRIPTION</u>
1	MAIN STEAM TUNNEL
2	MAIN STEAM TUNNEL
3	MAIN STEAM TUNNEL
4	BASEMENT, GRADE FLOOR, MEZZANINE FLOOR
5	TURBINE FLOOR
6	ATMOSPHERE

- ≡ NODE
- ≡ FLOW PATH

NOTE:  
SEE TABLE 3.6-8 FOR A DESCRIPTION  
OF THE NODES AND TABLE 3.6-9 FOR  
A DESCRIPTION OF THE VENT PATHS.

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

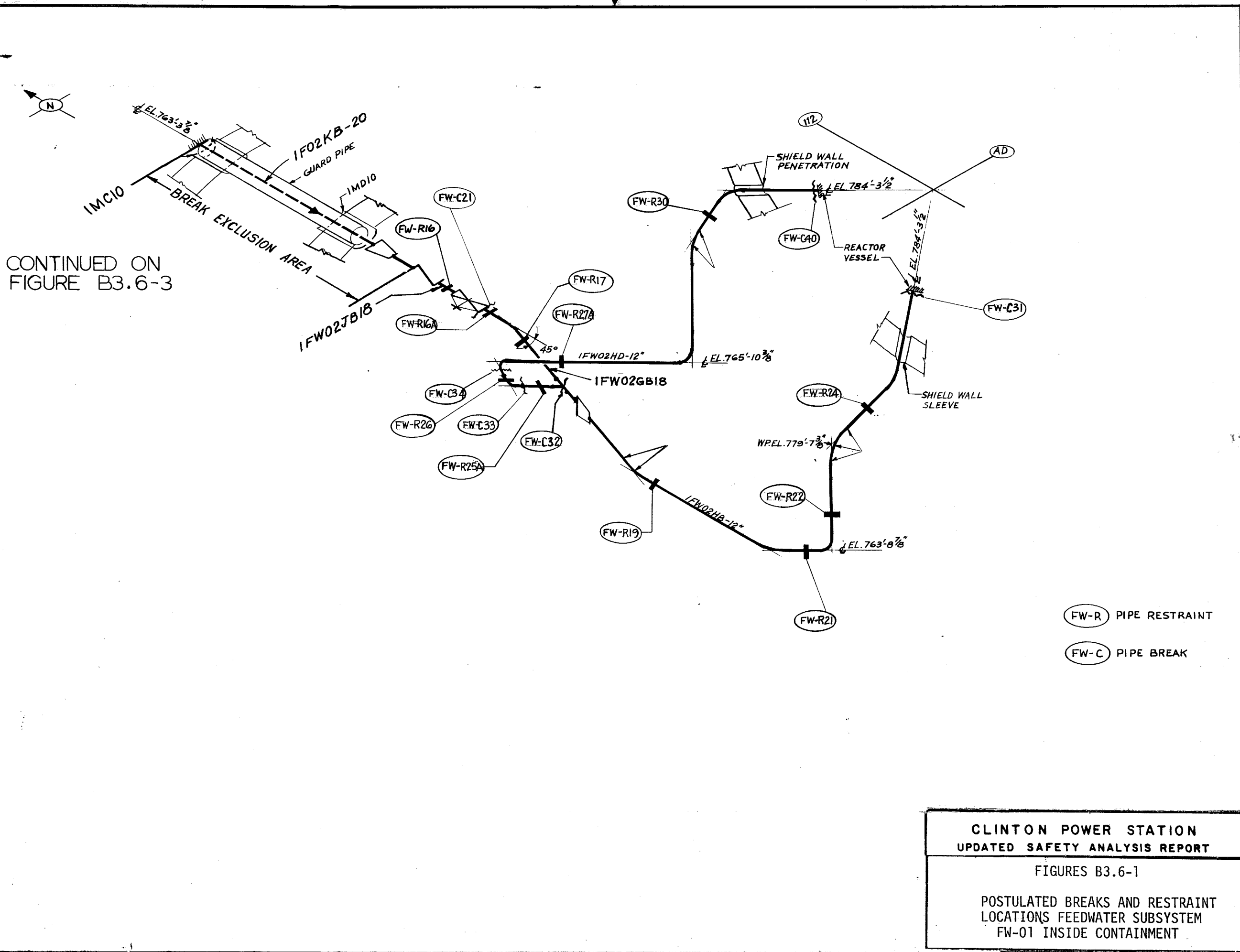
FIGURE 3.6-15  
NODALIZATION SCHEMATIC FOR  
SIMULTANEOUS MAIN STEAMLIN AND  
FEEDWATER LINE BREAK IN  
THE STEAM TUNNEL



CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.6-16  
PRESSURE VS. TIME -  
LINE BREAK IN STEAM TUNNEL



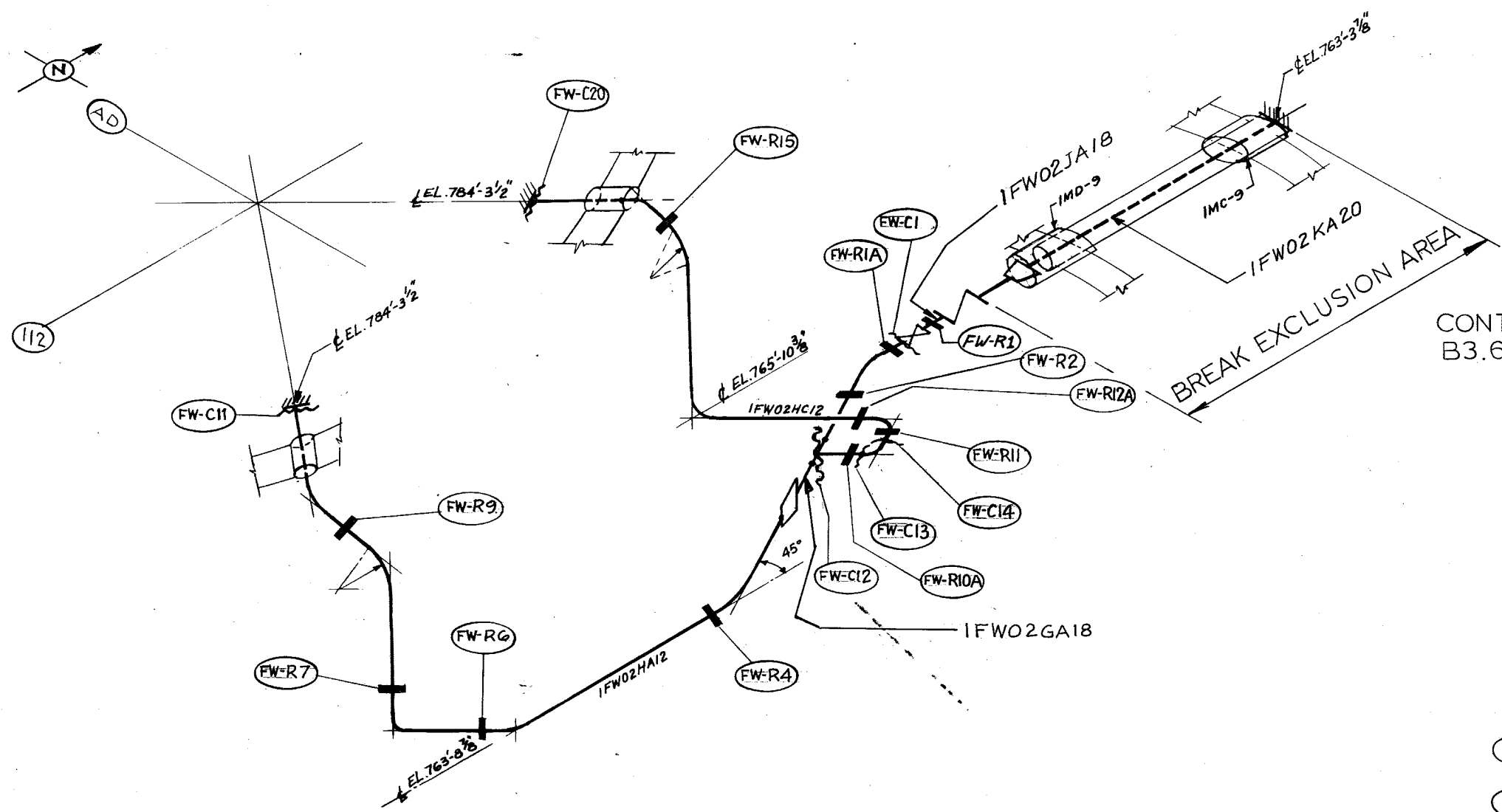


CONTINUED ON  
FIGURE B3.6-3

(FW-R) PIPE RESTRAINT  
(FW-C) PIPE BREAK

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT  
FIGURES B3.6-1  
POSTULATED BREAKS AND RESTRAINT  
LOCATIONS FEEDWATER SUBSYSTEM  
FW-01 INSIDE CONTAINMENT

FORM GDS 2.6.3 (4-78)

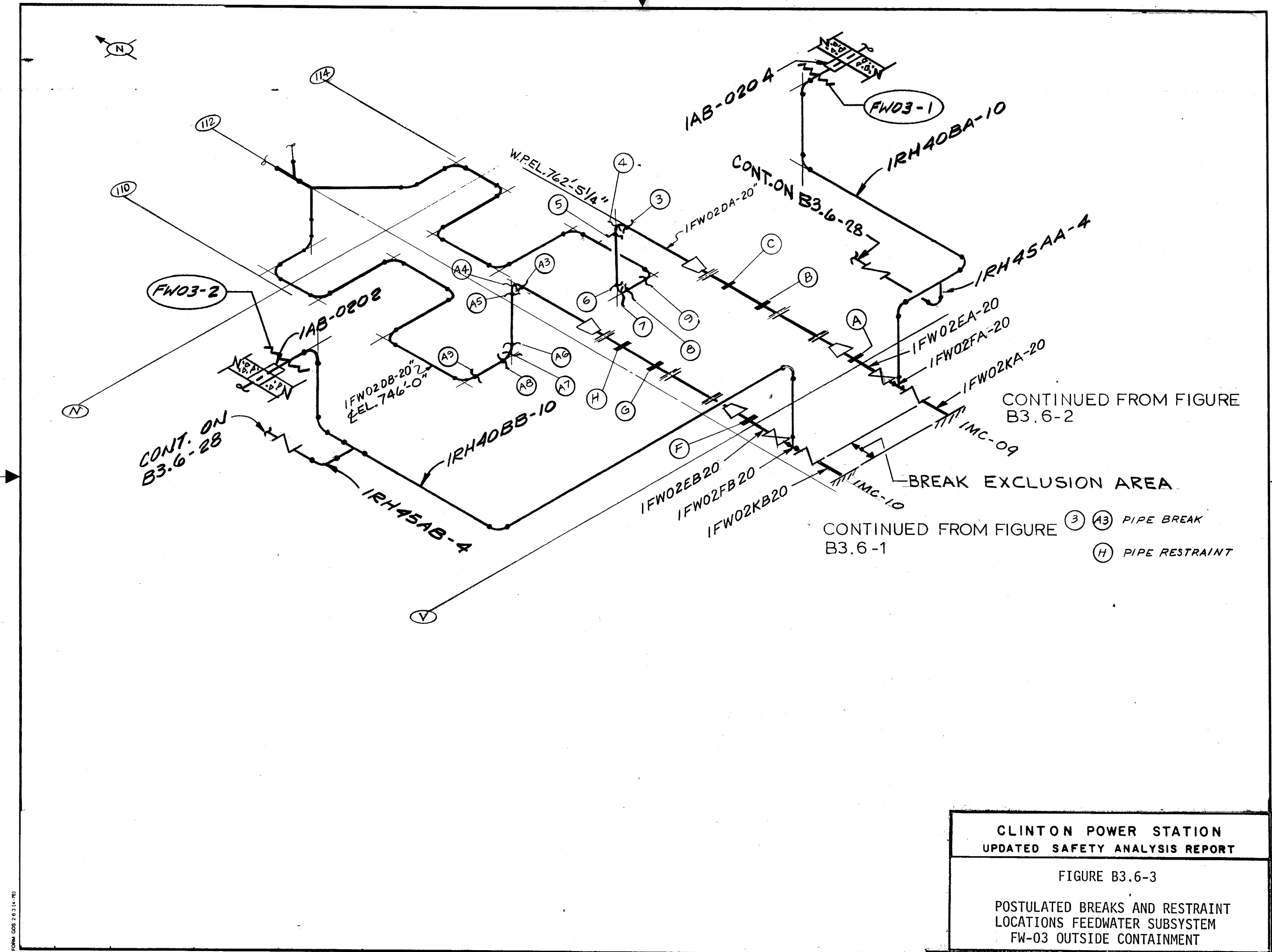


CONTINUED ON FIGURE B3.6-3

CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.6-2

POSTULATED BREAKS AND RESTRAINT  
 LOCATIONS FEEDWATER SUBSYSTEM  
 FW-02 INSIDE CONTAINMENT

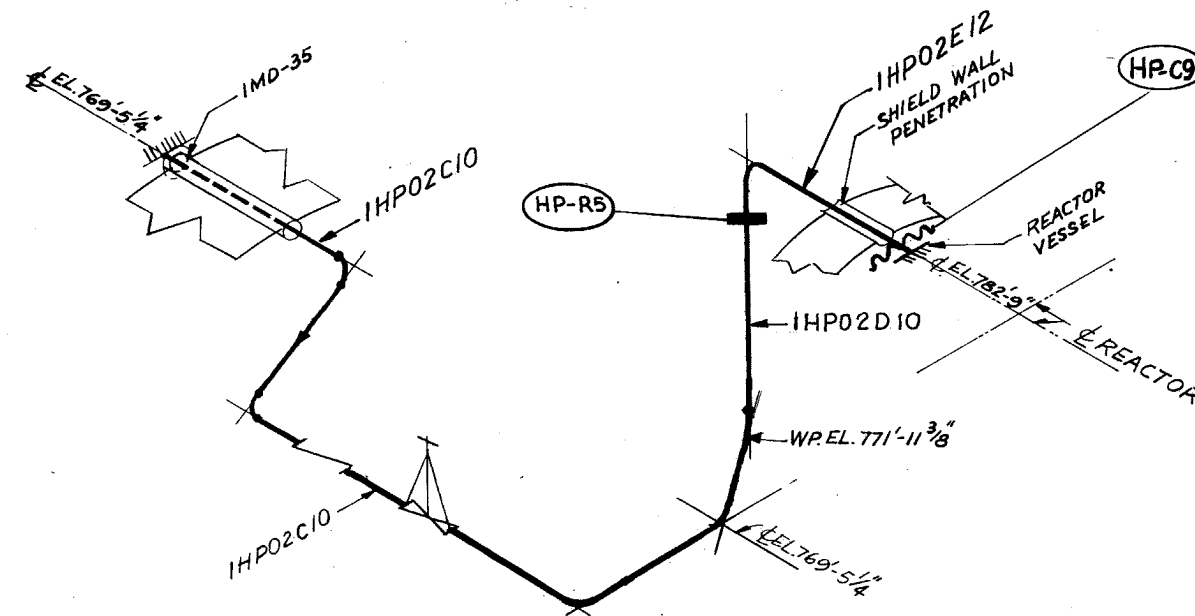


CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.6-3

POSTULATED BREAKS AND RESTRAINT  
 LOCATIONS FEEDWATER SUBSYSTEM  
 FW-03 OUTSIDE CONTAINMENT

FORM GDS 2 B 3 (4-70)

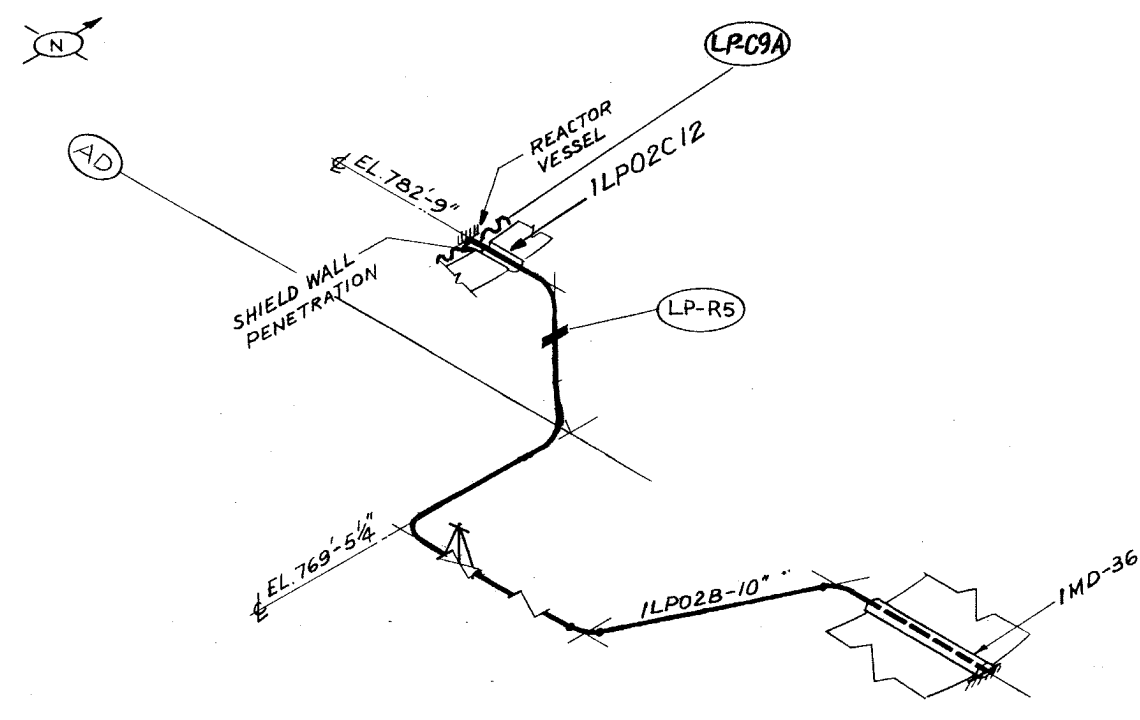


- HP-R PIPE RESTRAINT
- HP-C PIPE BREAK

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.6-4

POSTULATED BREAKS AND RESTRAINT  
LOCATION HPCS SUBSYSTEM  
HP-01 INSIDE CONTAINMENT



(LP-R) PIPE RESTRAINT  
 (LP-C) PIPE BREAK

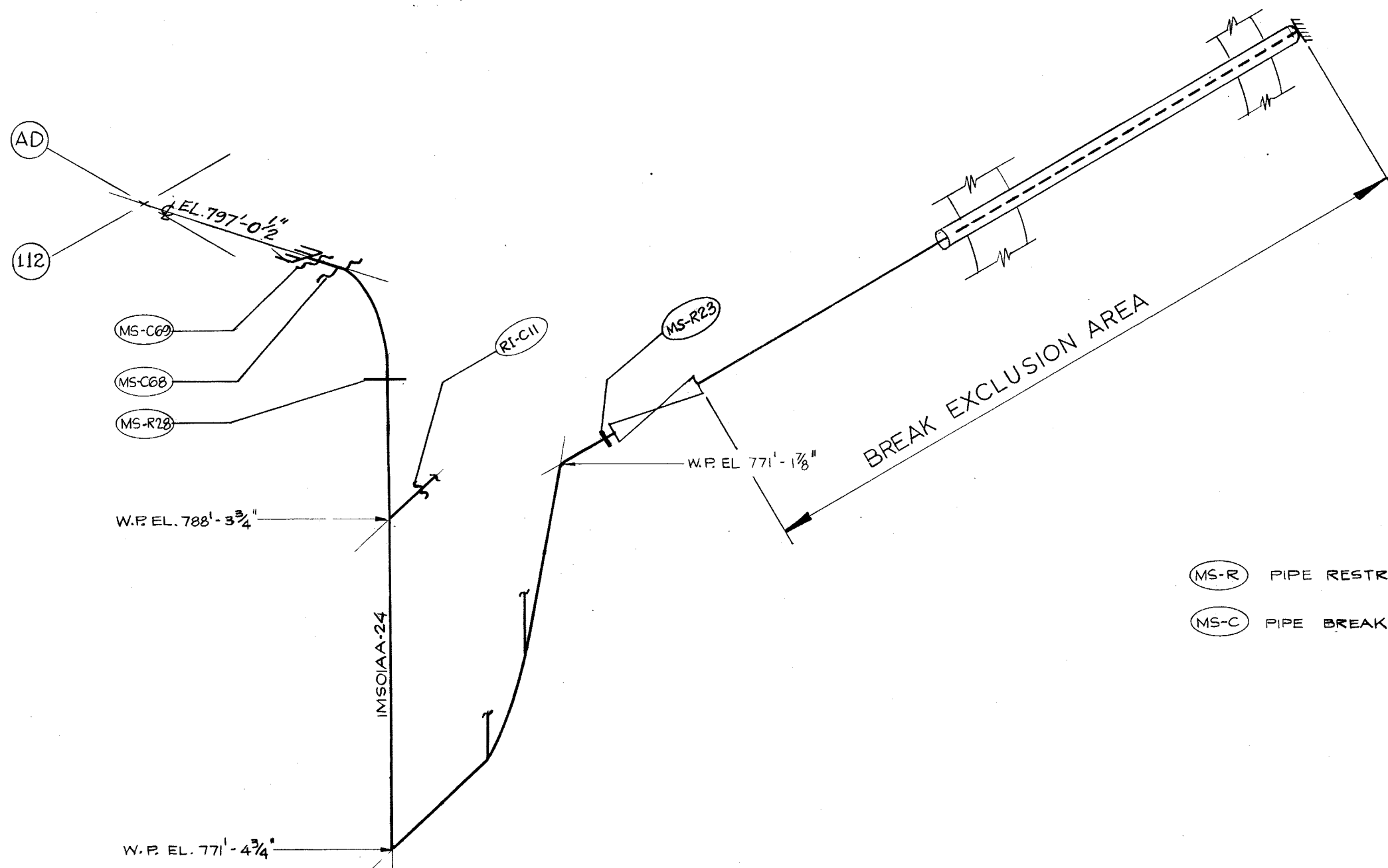
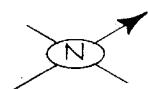
**CLINTON POWER STATION**  
**UPDATED SAFETY ANALYSIS REPORT**

FIGURE B3.6-5  
 POSTULATED BREAKS AND RESTRAINT  
 LOCATIONS LPCS SUBSYSTEM  
 LP-01 INSIDE CONTAINMENT

FORM GDS 2.0 (4-78)

SEAL

CONTINUED ON FIGURE  
B3.6-12



MS-R PIPE RESTRAINT

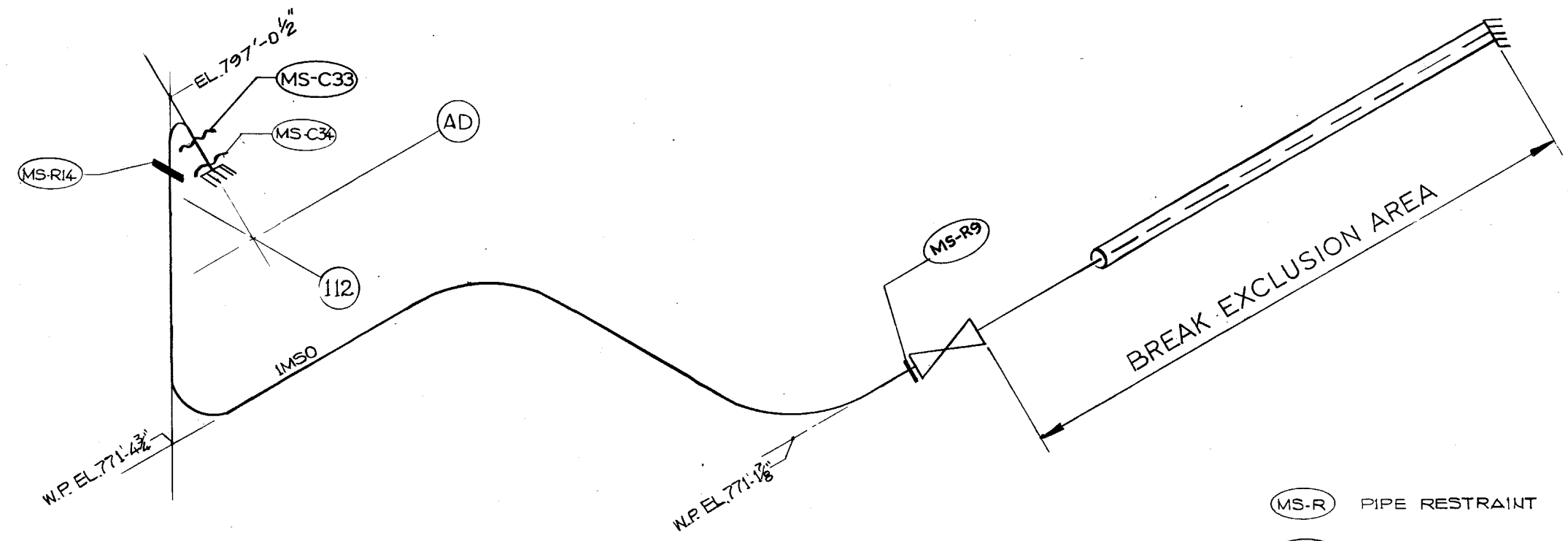
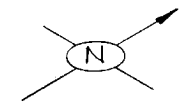
MS-C PIPE BREAK

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.6-6

POSTULATED BREAKS AND RESTRAINT  
LOCATIONS MAIN STEAM SUBSYSTEM  
MS-01 INSIDE CONTAINMENT

CONTINUED ON FIGURE  
B3.6-12

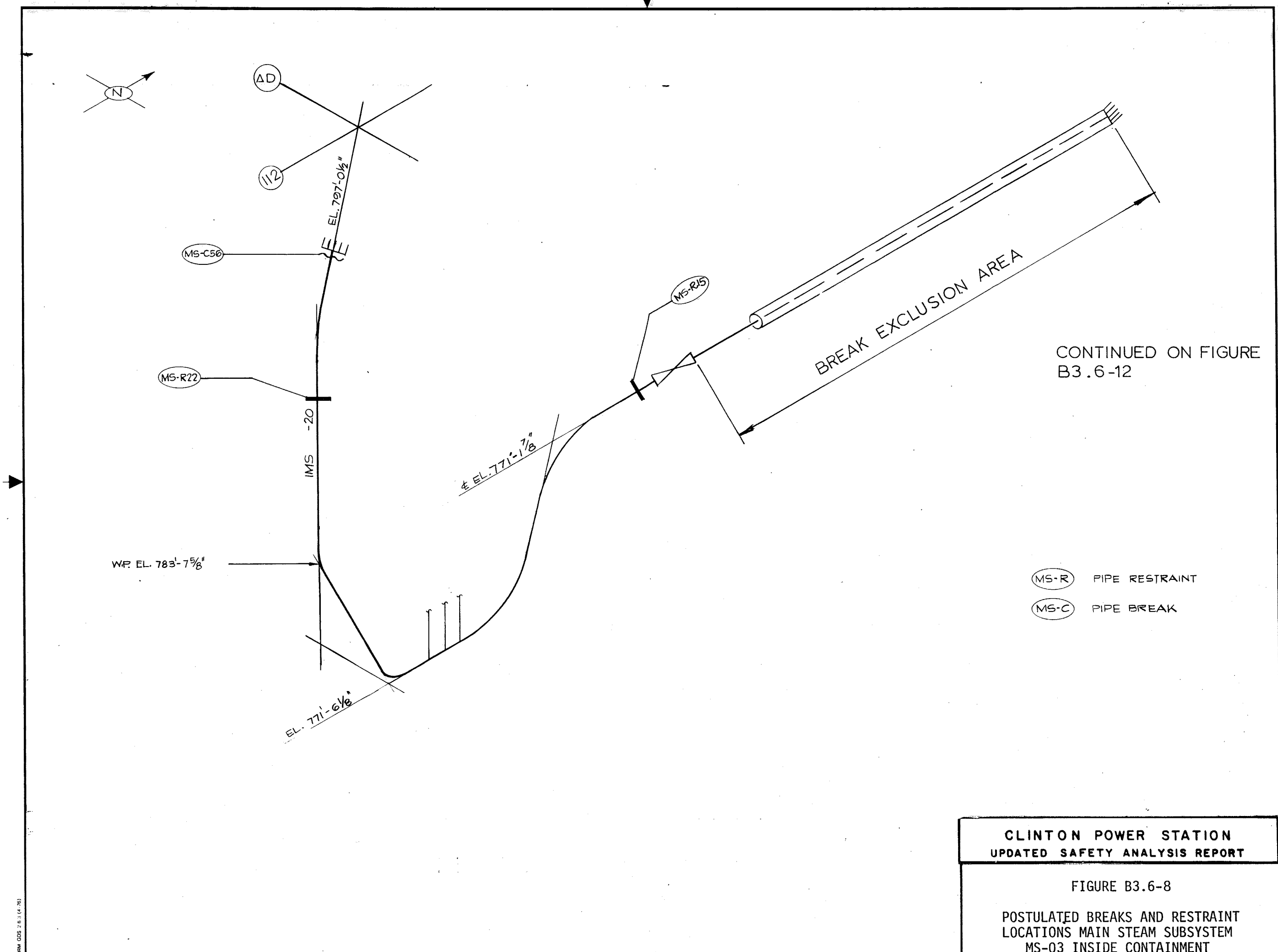


- (MS-R) PIPE RESTRAINT
- (MS-C) PIPE BREAK

**CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT**

FIGURE B3.6-7

POSTULATED BREAKS AND RESTRAINT  
LOCATIONS MAIN STEAM SUBSYSTEM  
MS-02 INSIDE CONTAINMENT



CONTINUED ON FIGURE  
B3.6-12

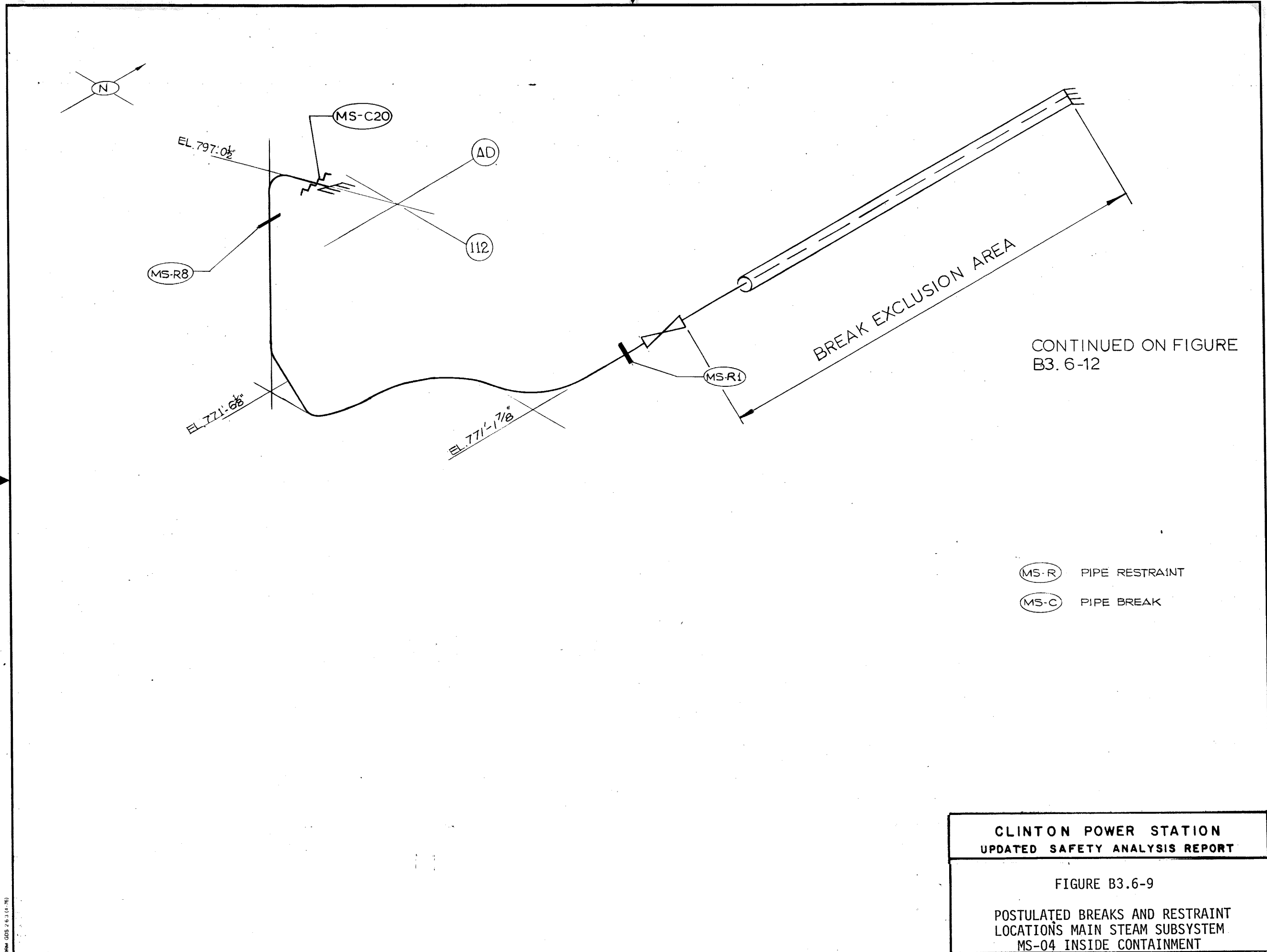
- (MS-R) PIPE RESTRAINT
- (MS-C) PIPE BREAK

**CLINTON POWER STATION**  
**UPDATED SAFETY ANALYSIS REPORT**

FIGURE B3.6-8

POSTULATED BREAKS AND RESTRAINT  
 LOCATIONS MAIN STEAM SUBSYSTEM  
 MS-03 INSIDE CONTAINMENT



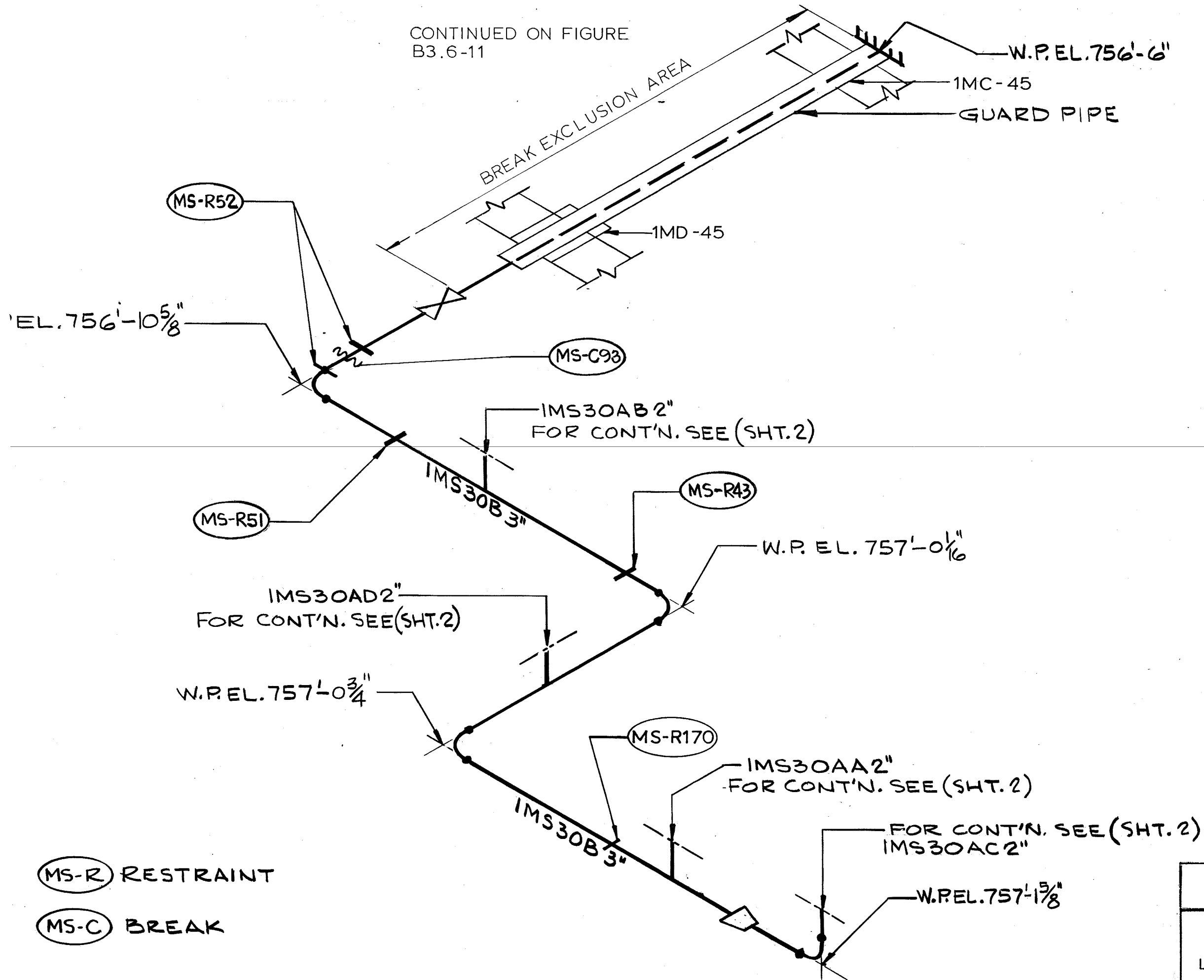


CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.6-9

POSTULATED BREAKS AND RESTRAINT  
 LOCATIONS MAIN STEAM SUBSYSTEM  
 MS-04 INSIDE CONTAINMENT

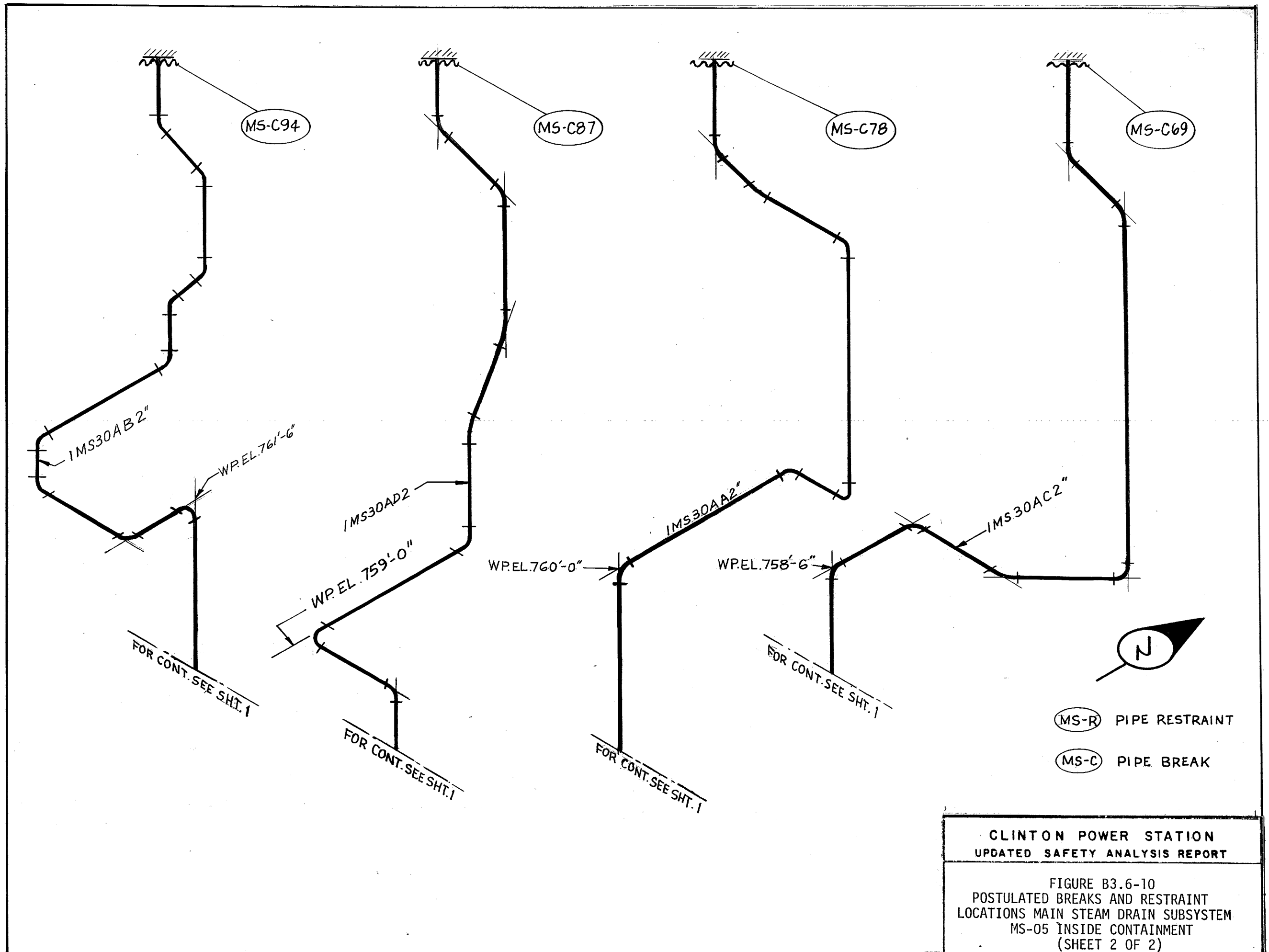
CONTINUED ON FIGURE  
B3.6-11



(MS-R) RESTRAINT

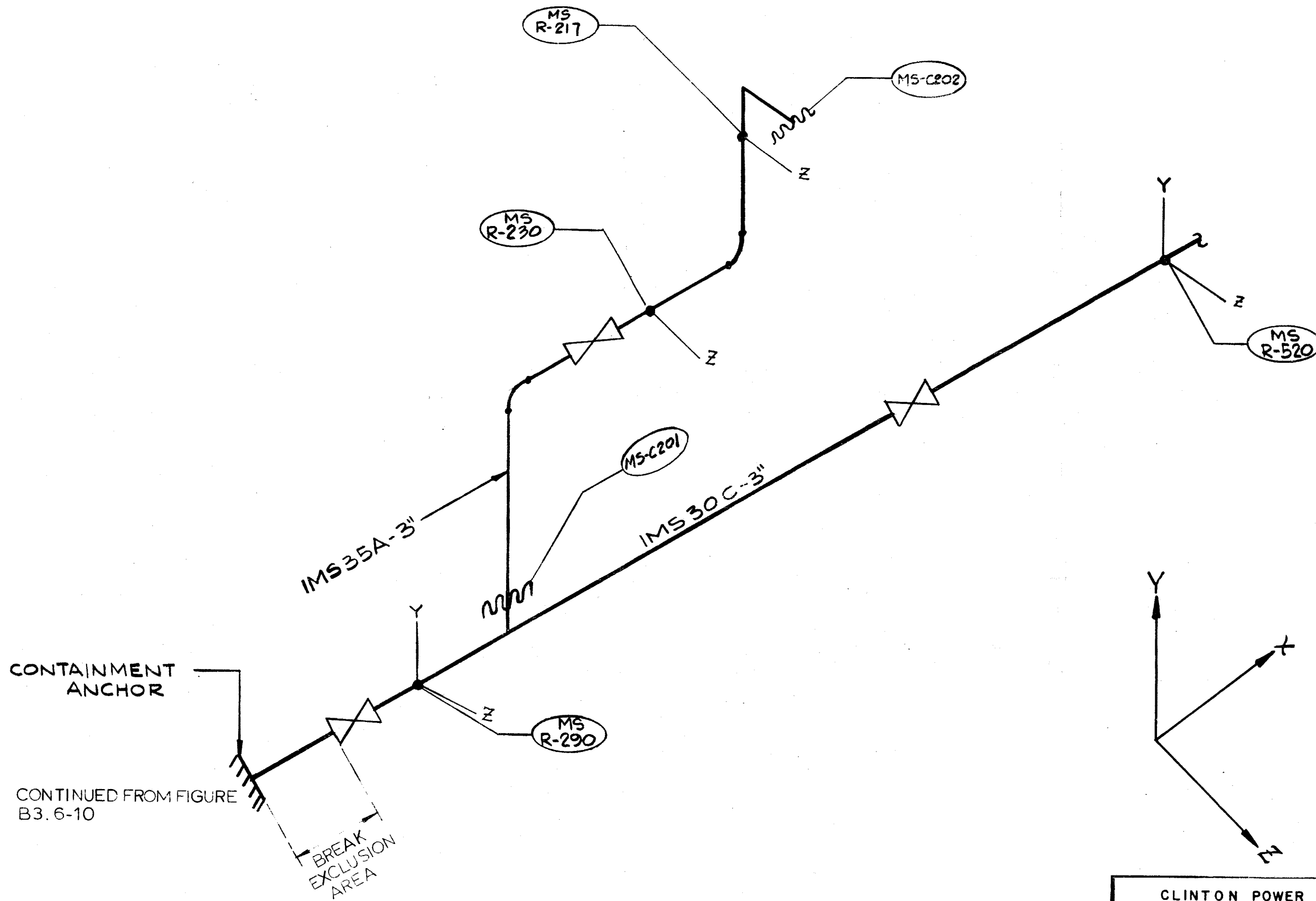
(MS-C) BREAK

<p>CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT</p>
<p>FIGURE B3.6-10 POSTULATED BREAKS AND RESTRAINT LOCATIONS MAIN STEAM DRAIN SUBSYSTEM MS-05 INSIDE CONTAINMENT (SHEET 1 OF 2)</p>



CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.6-10  
 POSTULATED BREAKS AND RESTRAINT  
 LOCATIONS MAIN STEAM DRAIN SUBSYSTEM  
 MS-05 INSIDE CONTAINMENT  
 (SHEET 2 OF 2)

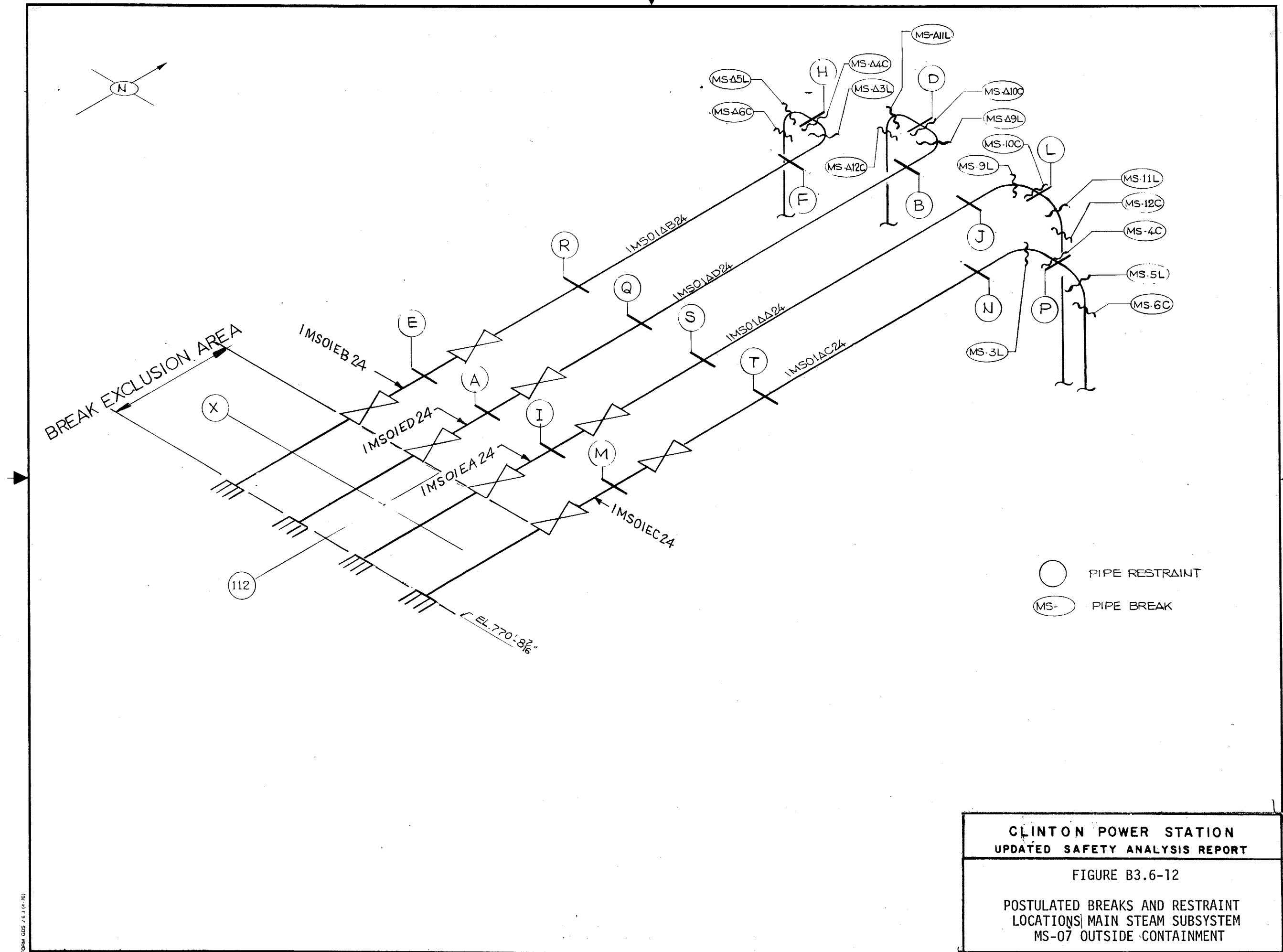


(MS-R) RESTRAINT

(MS) BREAK

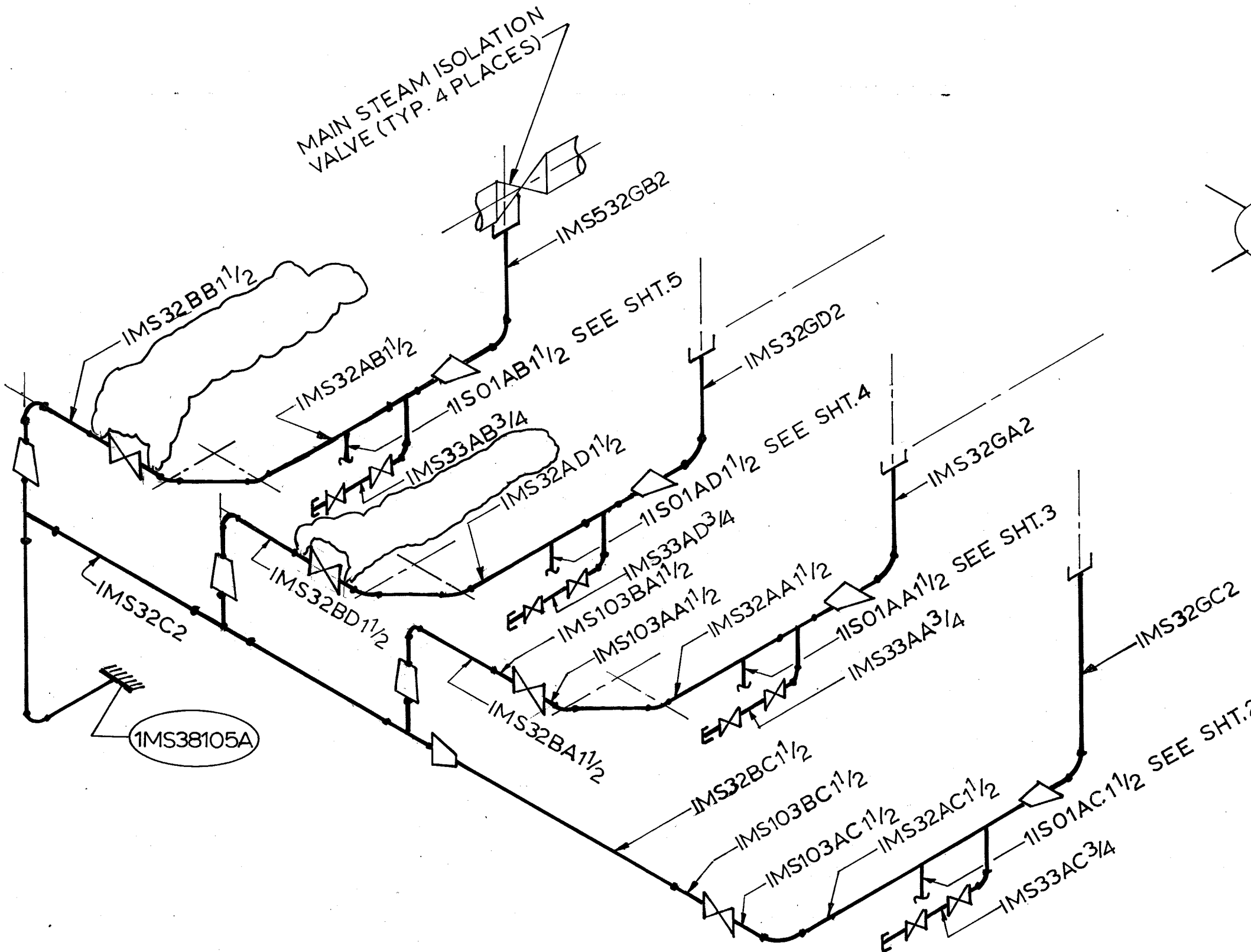
CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.6-11  
 POSTULATED BREAKS AND RESTRAINT  
 LOCATIONS: MAIN STEAM DRAIN SUBSYSTEM  
 MS-06 OUTSIDE CONTAINMENT

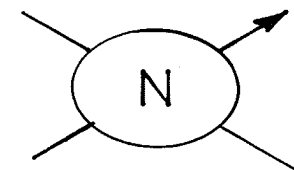


○ PIPE RESTRAINT  
 MS-○ PIPE BREAK

**CLINTON POWER STATION**  
**UPDATED SAFETY ANALYSIS REPORT**  
 FIGURE B3.6-12  
 POSTULATED BREAKS AND RESTRAINT  
 LOCATIONS MAIN STEAM SUBSYSTEM  
 MS-07 OUTSIDE CONTAINMENT



MAIN STEAM ISOLATION  
VALVE (TYP. 4 PLACES)

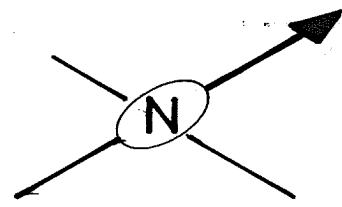


○ PIPE WHIP ANCHOR

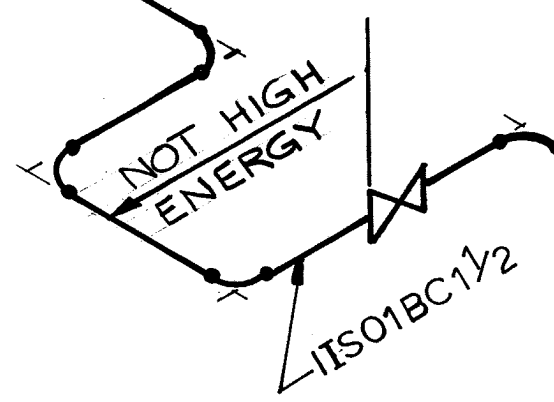
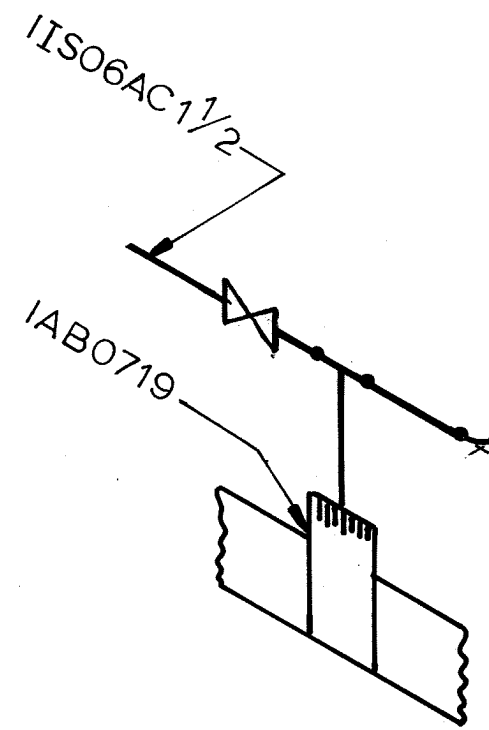
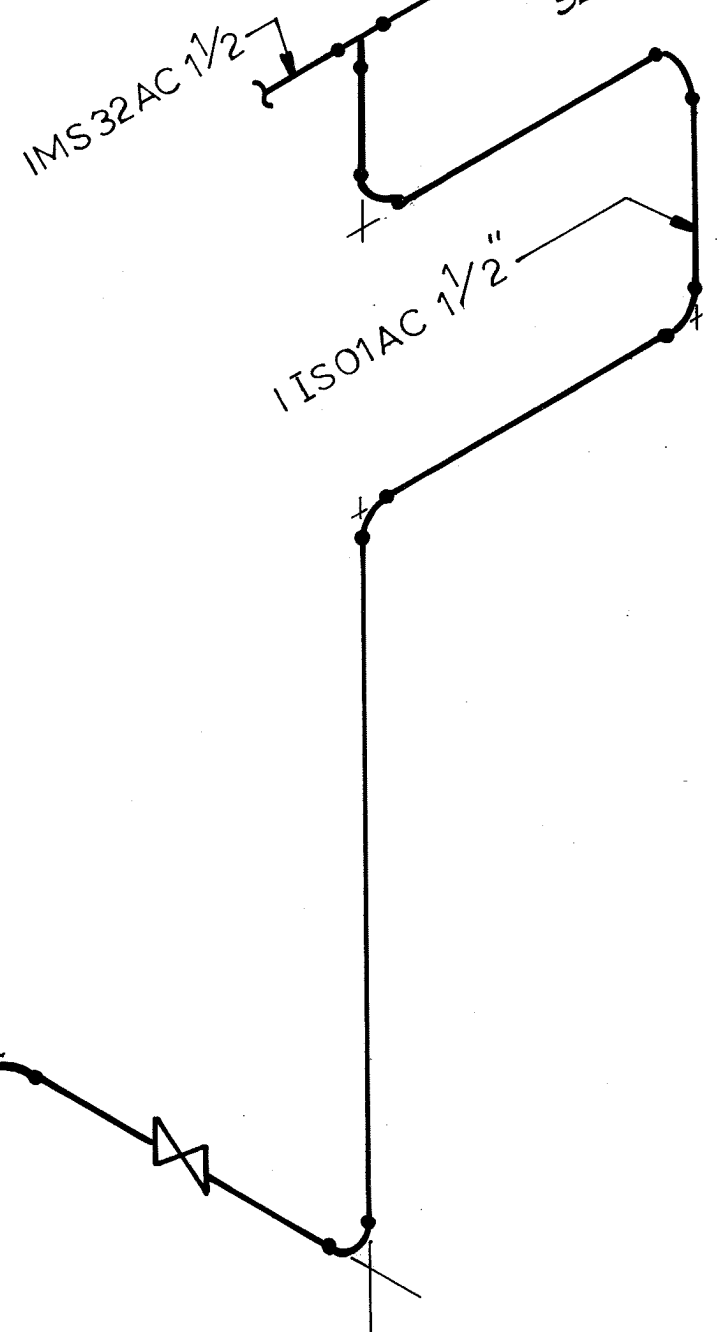
**NOTE:**  
PORTION OF SUB-SYSTEM  
SHOWN ON THIS SHEET  
IS HIGH ENERGY.

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.6-13  
POSTULATED BREAKS AND RESTRAINT  
LOCATIONS MAIN STEAM DRAIN SUBSYSTEM  
MS-38A OUTSIDE CONTAINMENT  
(SHEET 1 OF 5)



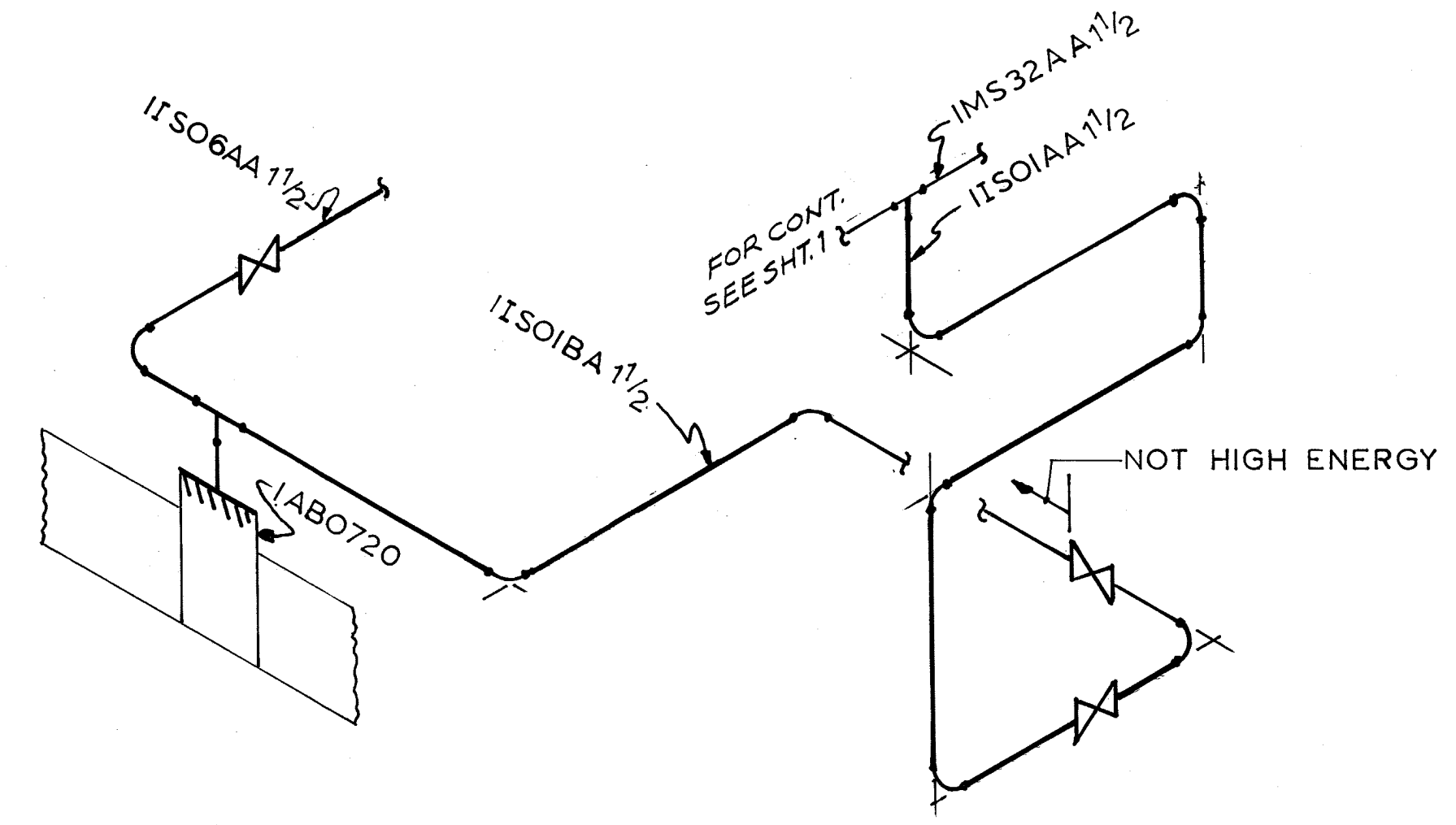
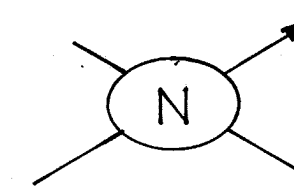
FOR CONT.  
SEE SHT. 1



NOTE:  
ENTIRE SUB-SYSTEM IS BREAK  
EXCLUSION AREA EXCEPT FOR  
PORTION OF SUB-SYSTEM THAT  
IS NOT HIGH ENERGY.

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.6-13  
POSTULATED BREAKS AND RESTRAINT  
LOCATIONS MAIN STEAM DRAIN SUBSYSTEM  
MS-38A OUTSIDE CONTAINMENT  
(SHEET 2 OF 5)

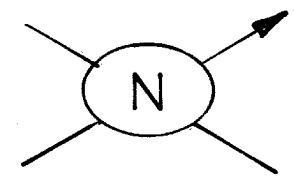
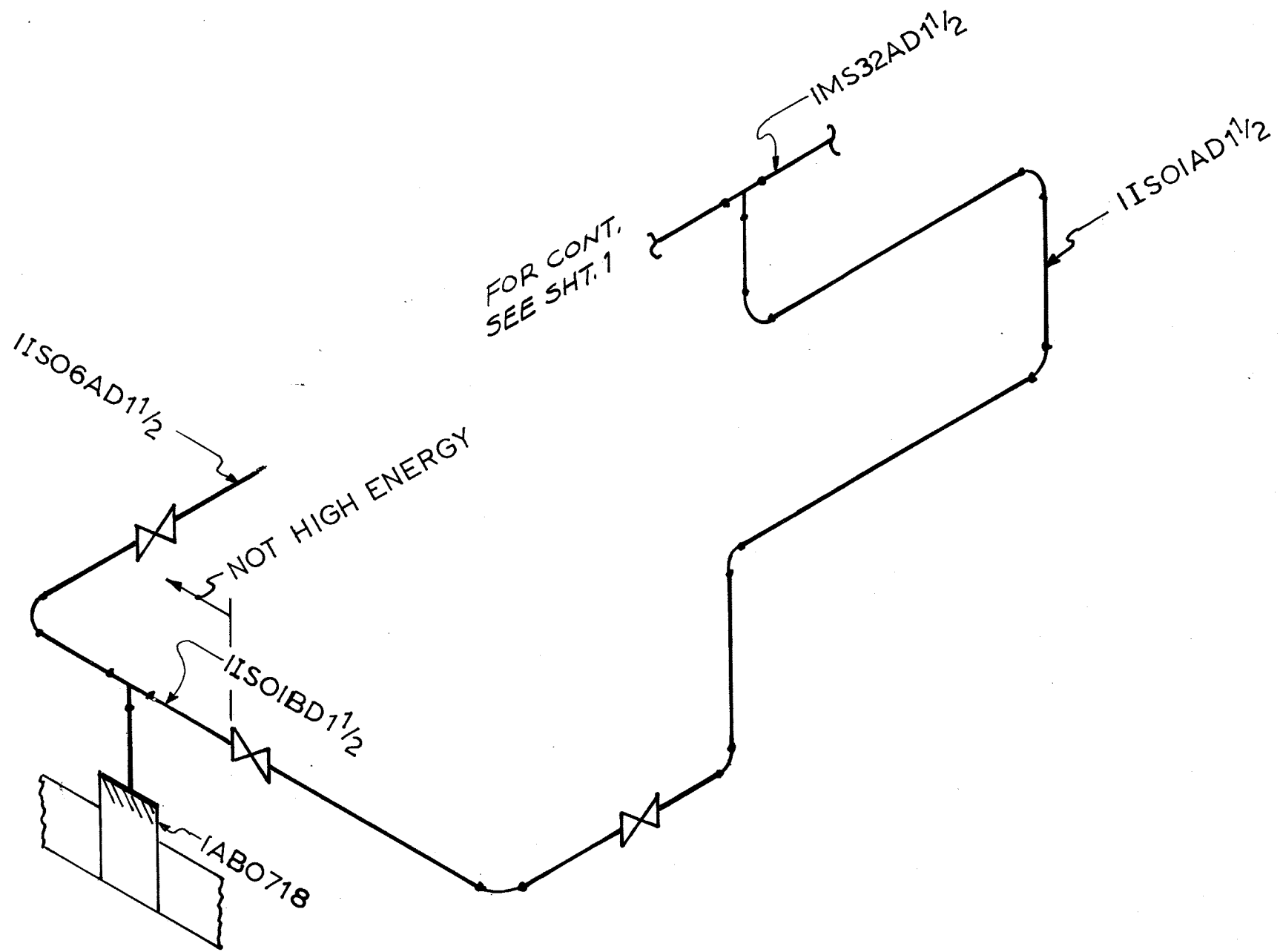


**NOTE:**  
ENTIRE SUB-SYSTEM IS  
BREAK EXCLUSION AREA  
EXCEPT FOR PORTION  
OF SUB SYSTEM, THAT  
IS NOT HIGH ENERGY.

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

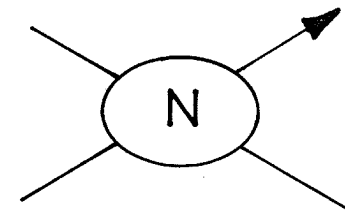
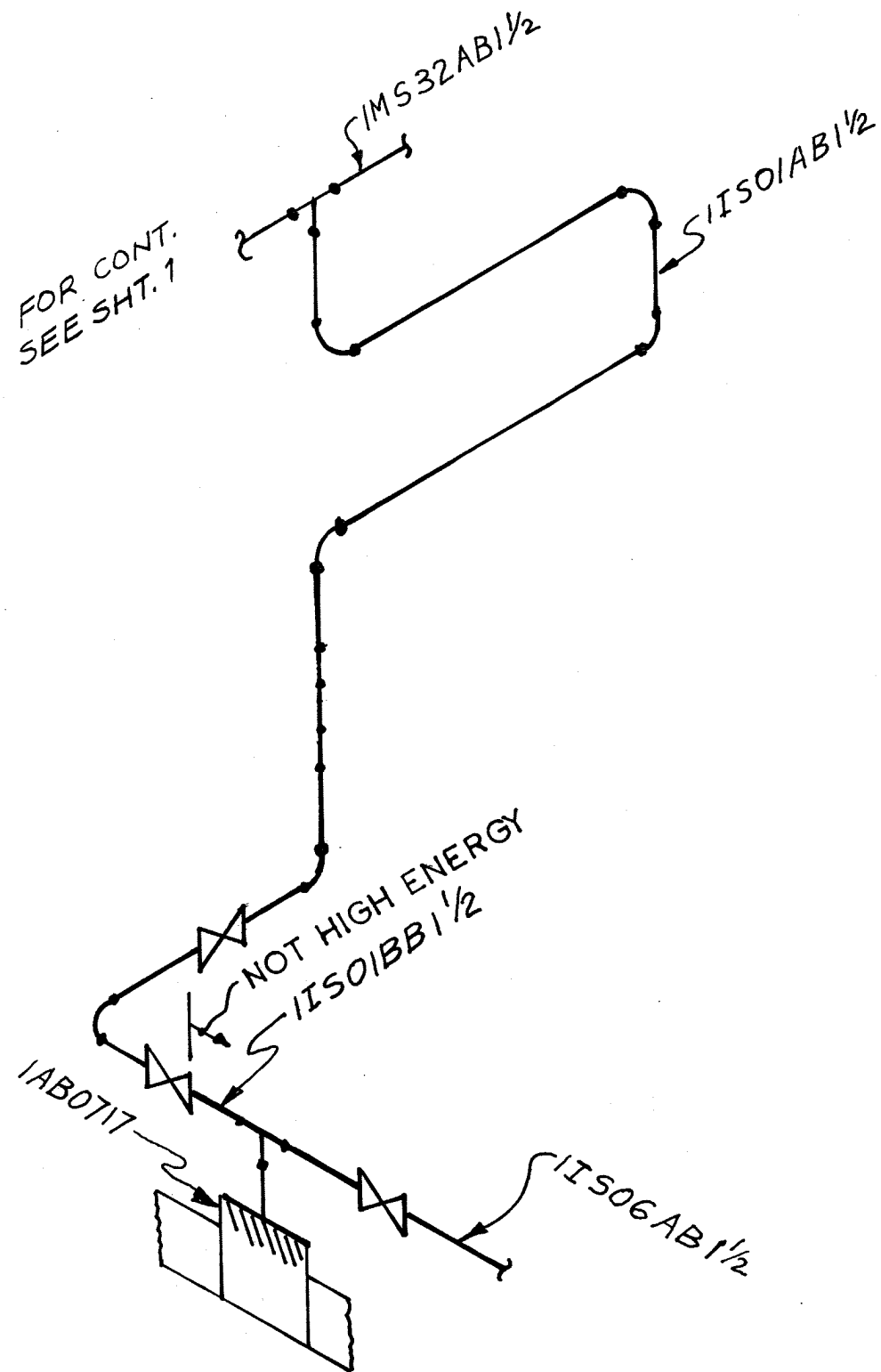
FIGURE B3.6-13  
POSTULATED BREAKS AND RESTRAINT  
LOCATIONS MAIN STEAM DRAIN SUBSYSTEM  
MS-38A OUTSIDE CONTAINMENT  
(SHEET 3 OF 5)





**NOTE:**  
 ENTIRE SUB-SYSTEM IS  
 BREAK EXCLUSION AREA EXCEPT  
 FOR PORTION OF SUB-SYSTEM  
 THAT IS NOT HIGH ENERGY.

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE B3.6-13 POSTULATED BREAKS AND RESTRAINT LOCATIONS MAIN STEAM DRAIN SUBSYSTEM MS-38A OUTSIDE CONTAINMENT (SHEET 4 OF 5)

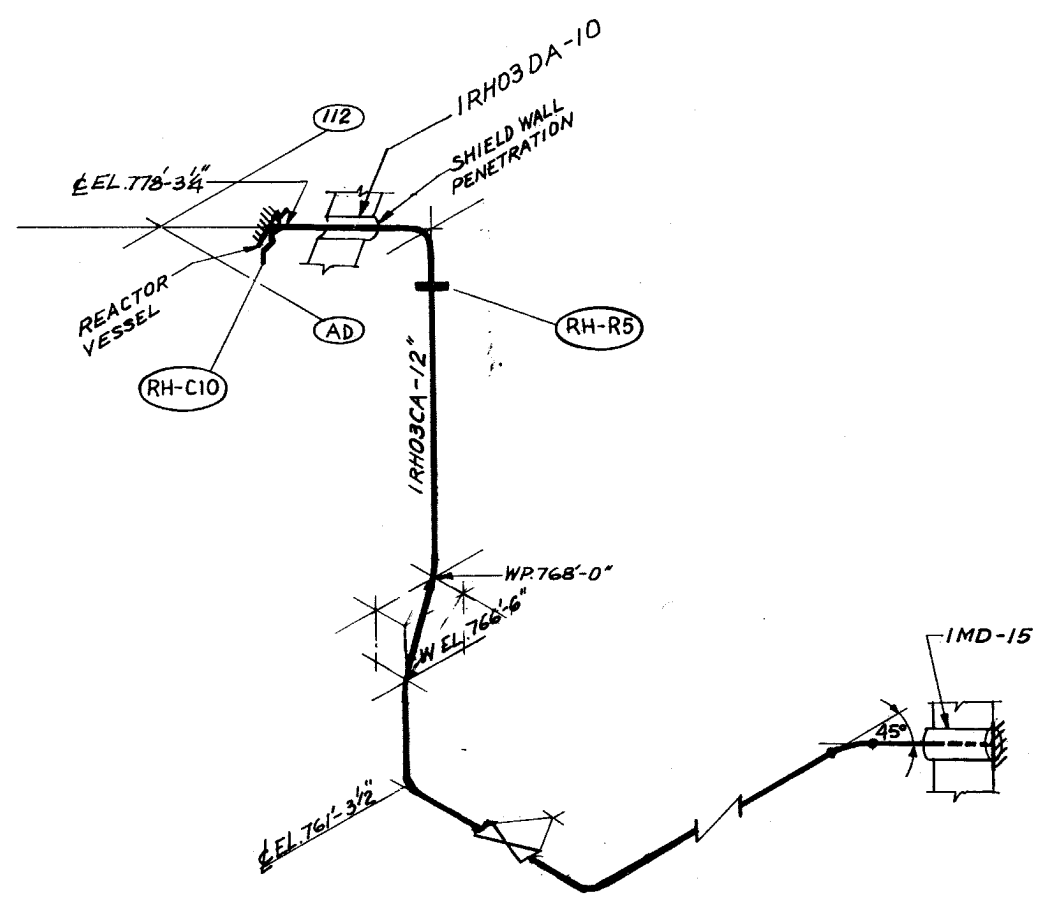




NOTE:

ENTIRE SUB-SYSTEM IS  
 BREAK EXCLUSION AREA  
 EXCEPT FOR PORTION OF  
 SUB SYSTEM THAT IS NOT  
 HIGH ENERGY.

CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

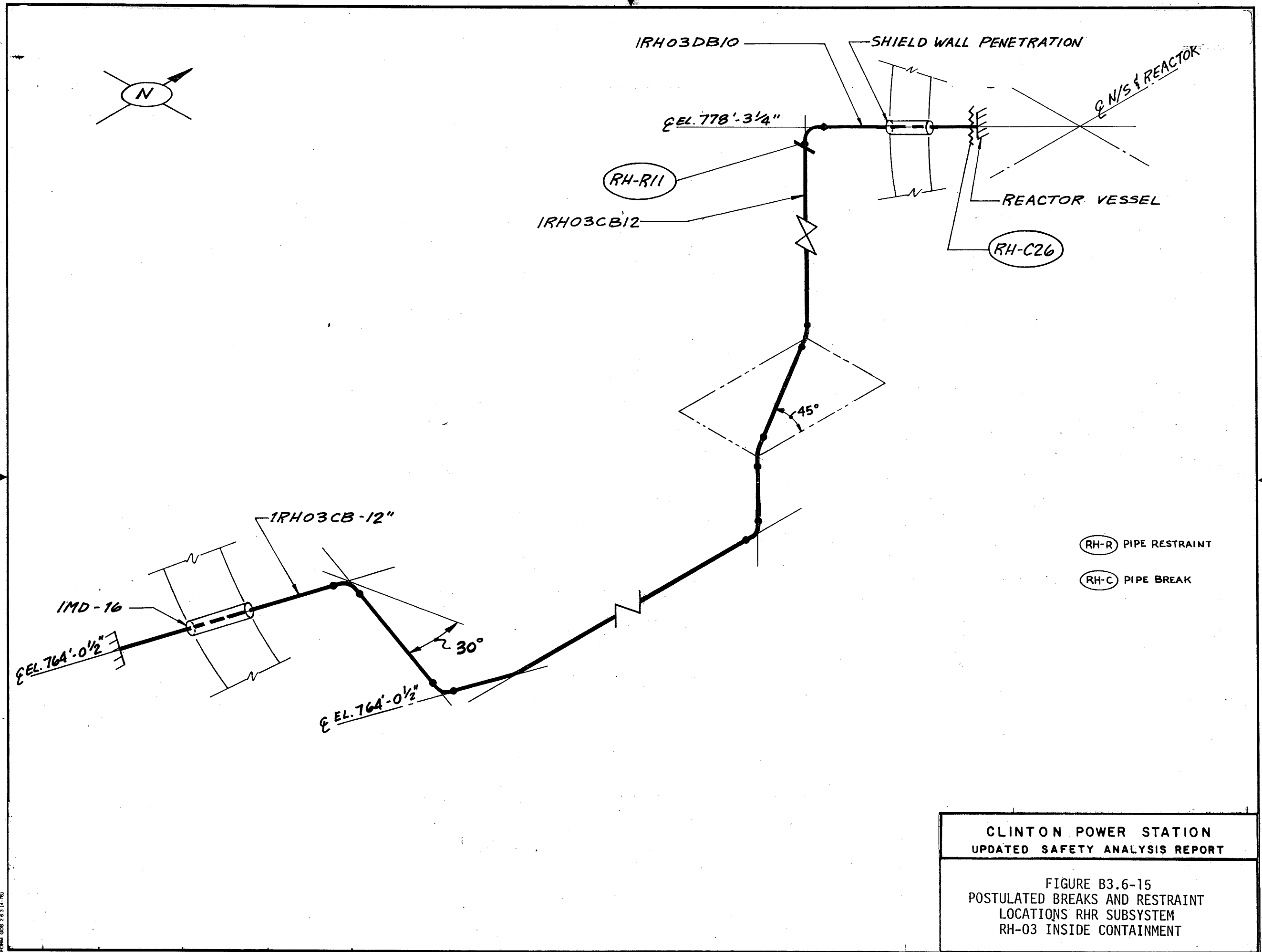
FIGURE B3.6-13  
 POSTULATED BREAKS AND RESTRAINT  
 LOCATIONS MAIN STEAM DRAIN SUBSYSTEM  
 MS-38A OUTSIDE CONTAINMENT  
 (SHEET 5 OF 5)

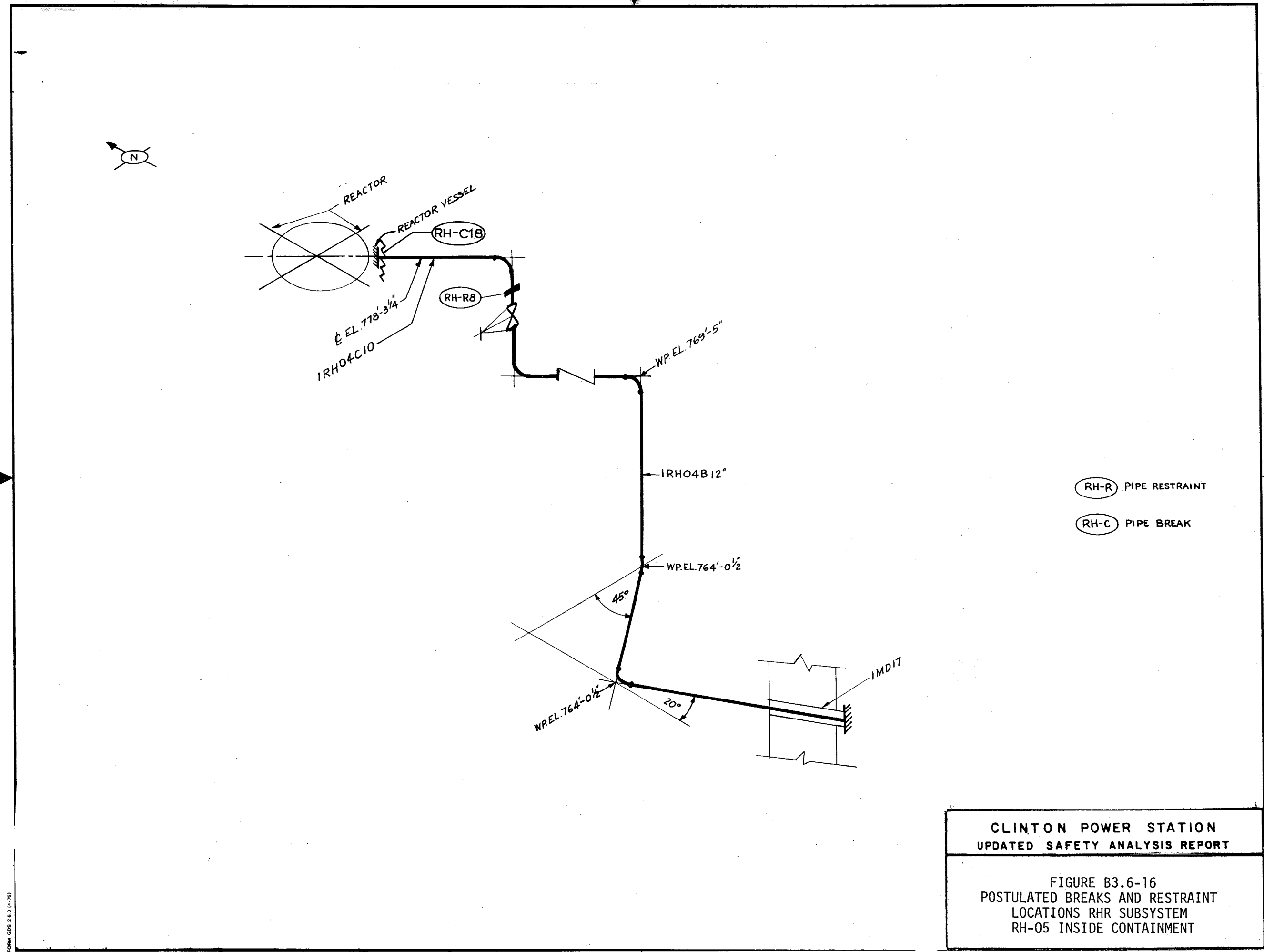


-  PIPE RESTRAINT
-  PIPE BREAK

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.6-14  
POSTULATED BREAKS AND RESTRAINT  
LOCATIONS RHR SUBSYSTEM  
RH-01 INSIDE CONTAINMENT



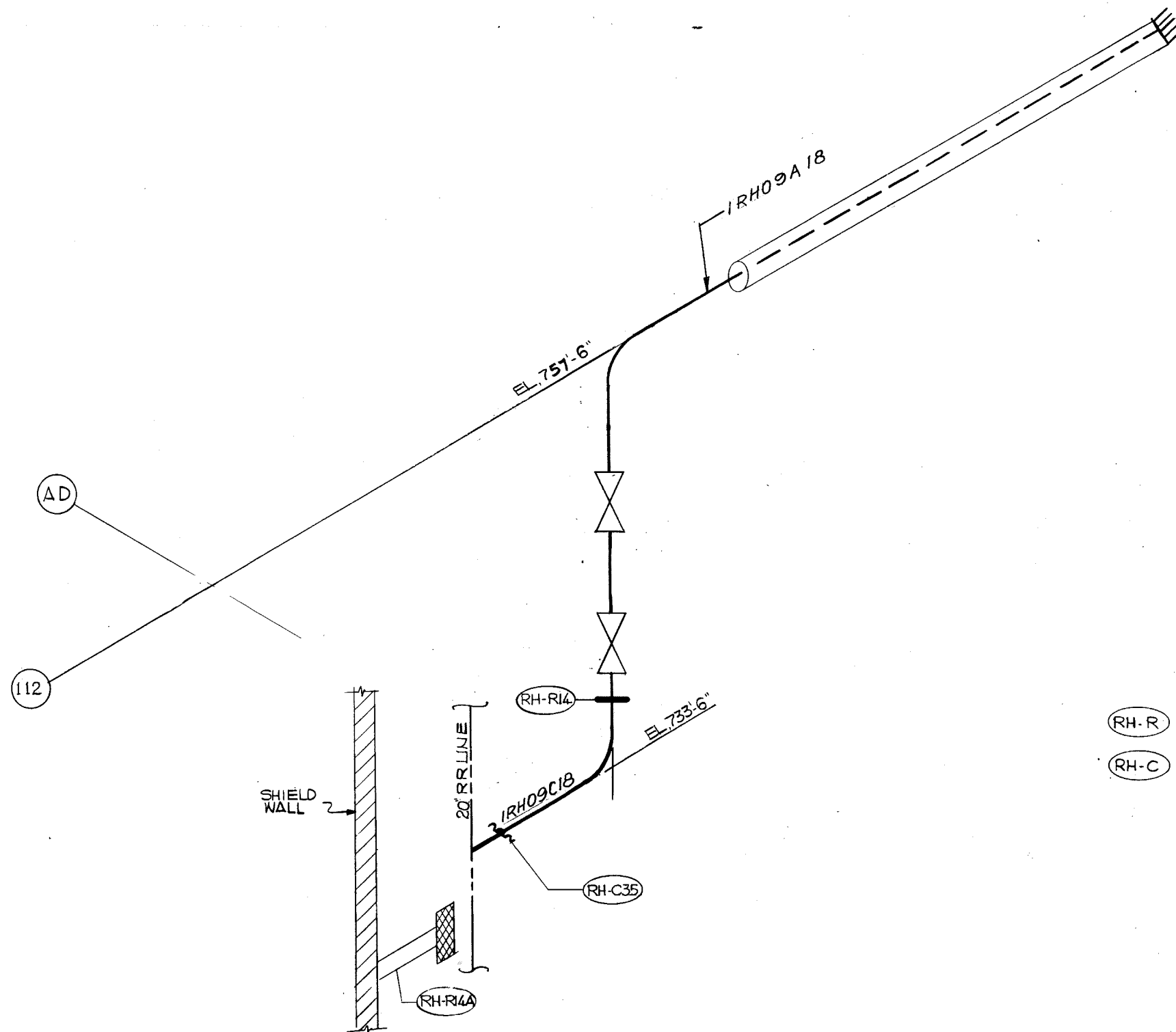
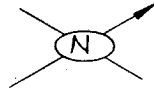


CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.6-16  
 POSTULATED BREAKS AND RESTRAINT  
 LOCATIONS RHR SUBSYSTEM  
 RH-05 INSIDE CONTAINMENT

FORM GDS 2 & 3 (4-78)

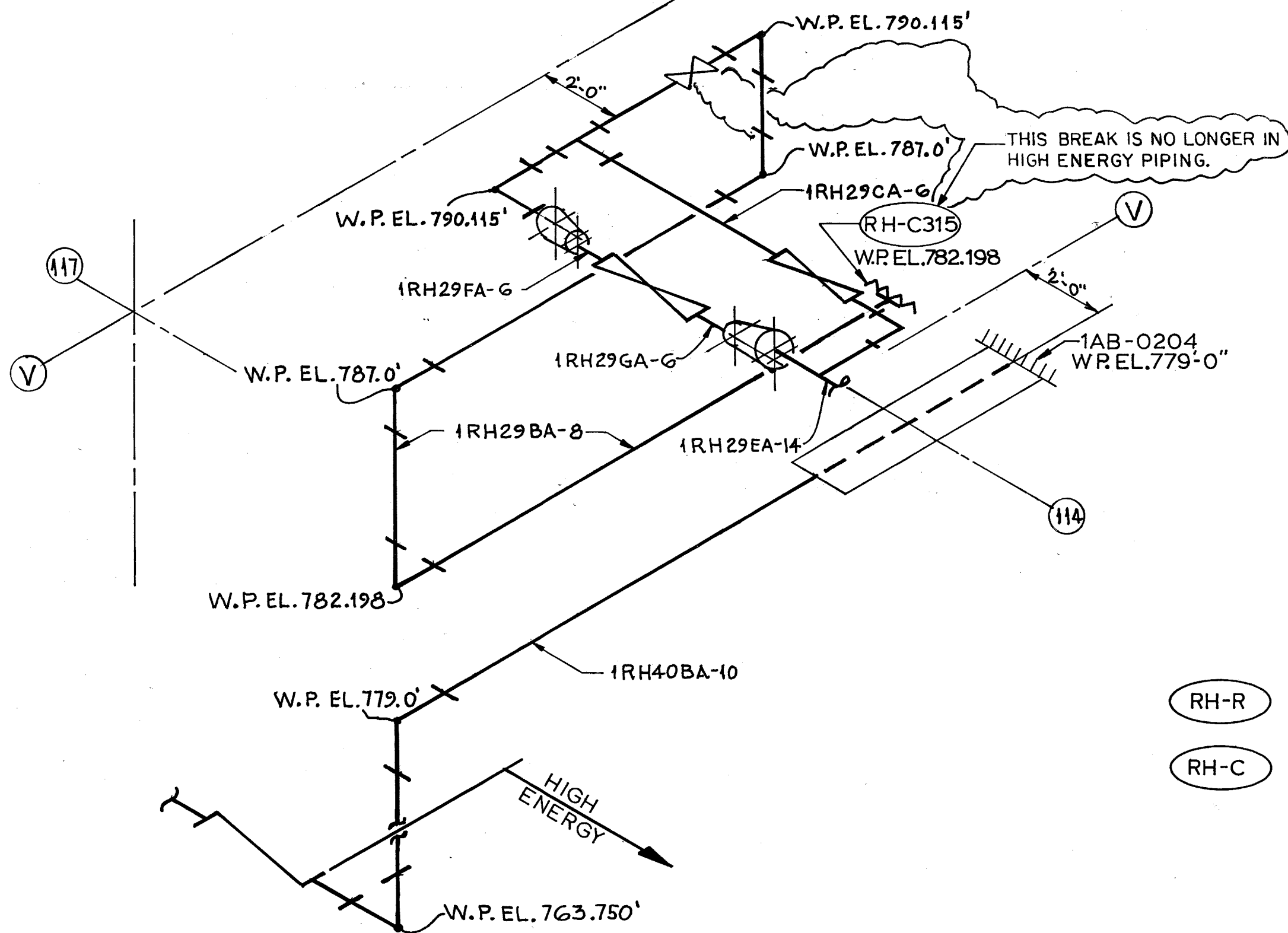
SEAL



- (RH-R) PIPE RESTRAINT
- (RH-C) PIPE BREAK

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.6-17  
POSTULATED BREAKS AND RESTRAINT  
LOCATIONS RHR SUBSYSTEM  
RH-34 INSIDE CONTAINMENT

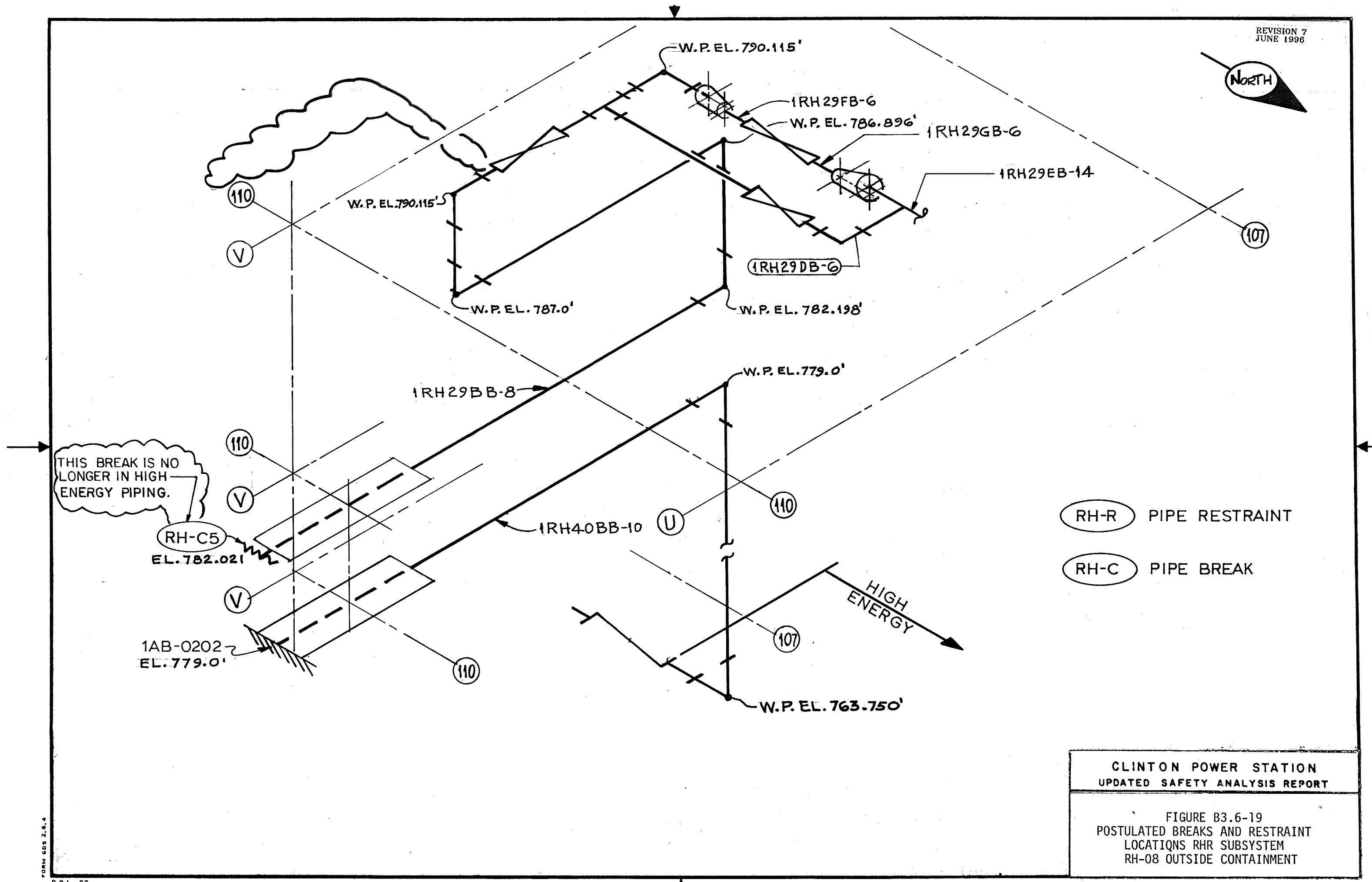


- RH-R PIPE RESTRAINT
- RH-C PIPE BREAK

**CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT**

FIGURE B3.6-18  
POSTULATED BREAKS AND RESTRAINT  
LOCATIONS RHR SUBSYSTEM  
RH-07 OUTSIDE CONTAINMENT

NORTH



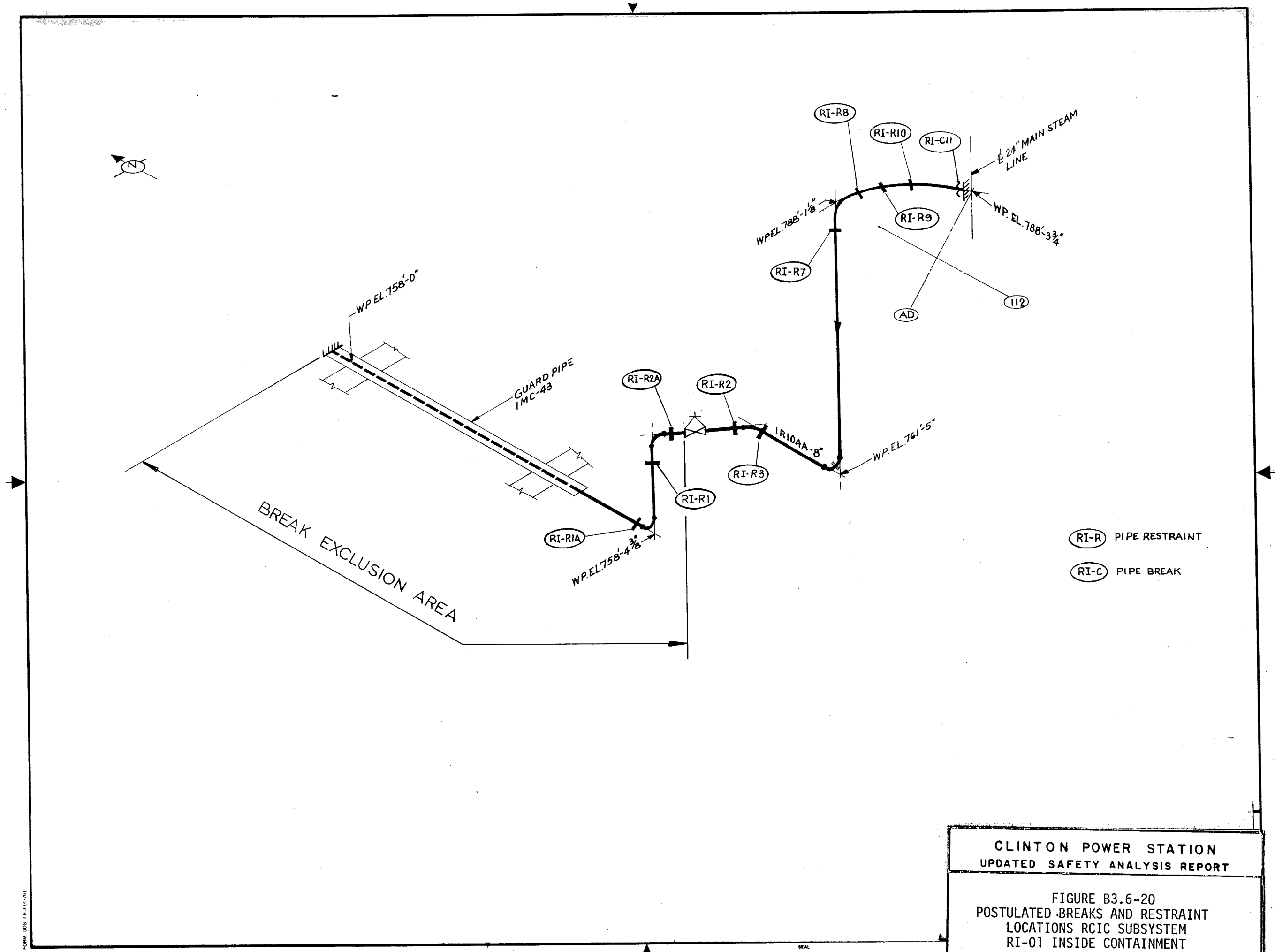
THIS BREAK IS NO LONGER IN HIGH ENERGY PIPING.

- RH-R PIPE RESTRAINT
- RH-C PIPE BREAK

**CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT**

FIGURE B3.6-19  
POSTULATED BREAKS AND RESTRAINT  
LOCATIONS RHR SUBSYSTEM  
RH-08 OUTSIDE CONTAINMENT

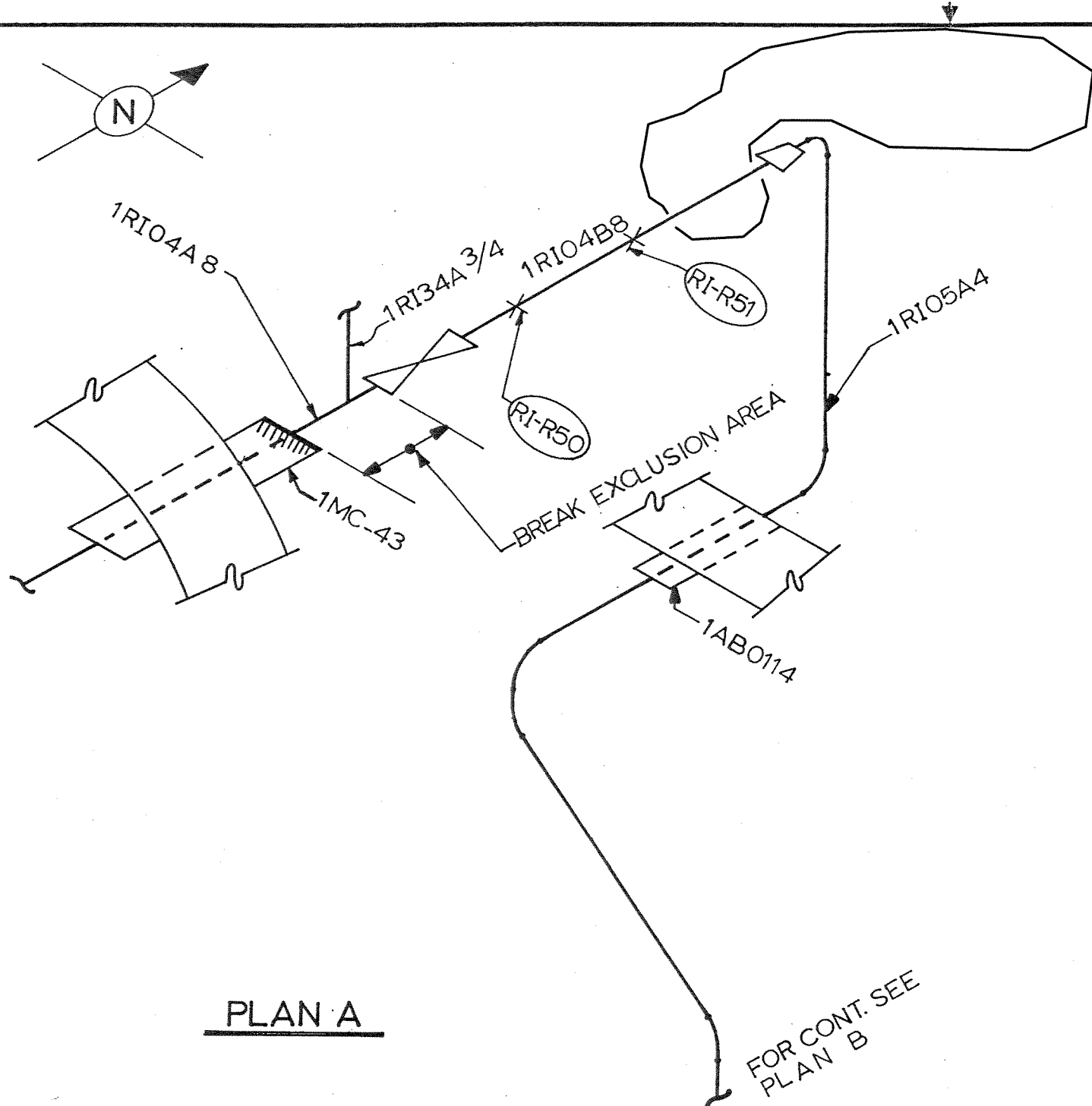




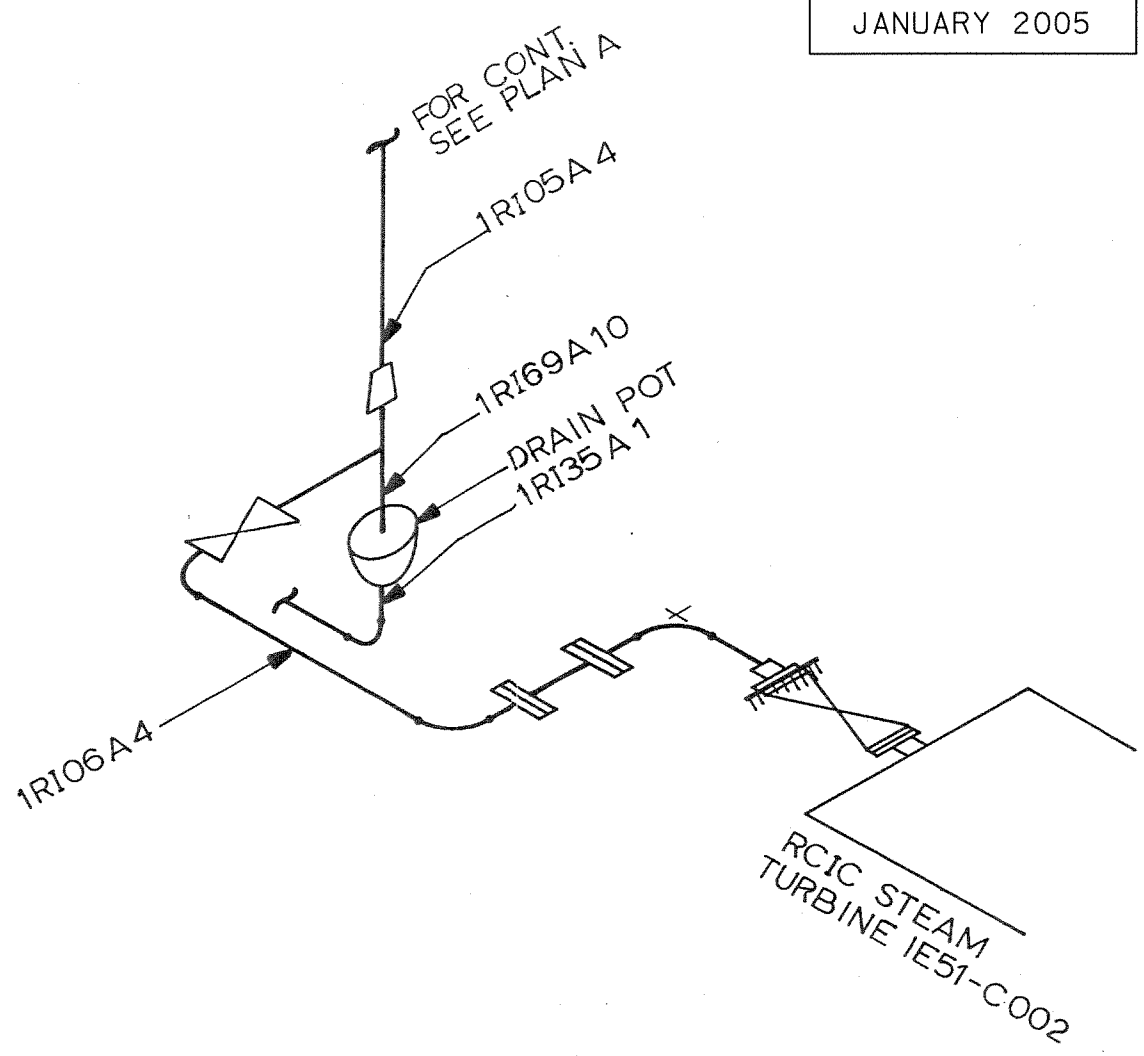
(RI-R) PIPE RESTRAINT  
 (RI-C) PIPE BREAK

CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT  
 FIGURE B3.6-20  
 POSTULATED BREAKS AND RESTRAINT  
 LOCATIONS RCIC SUBSYSTEM  
 RI-01 INSIDE CONTAINMENT

REVISION 11  
JANUARY 2005



PLAN A



PLAN B

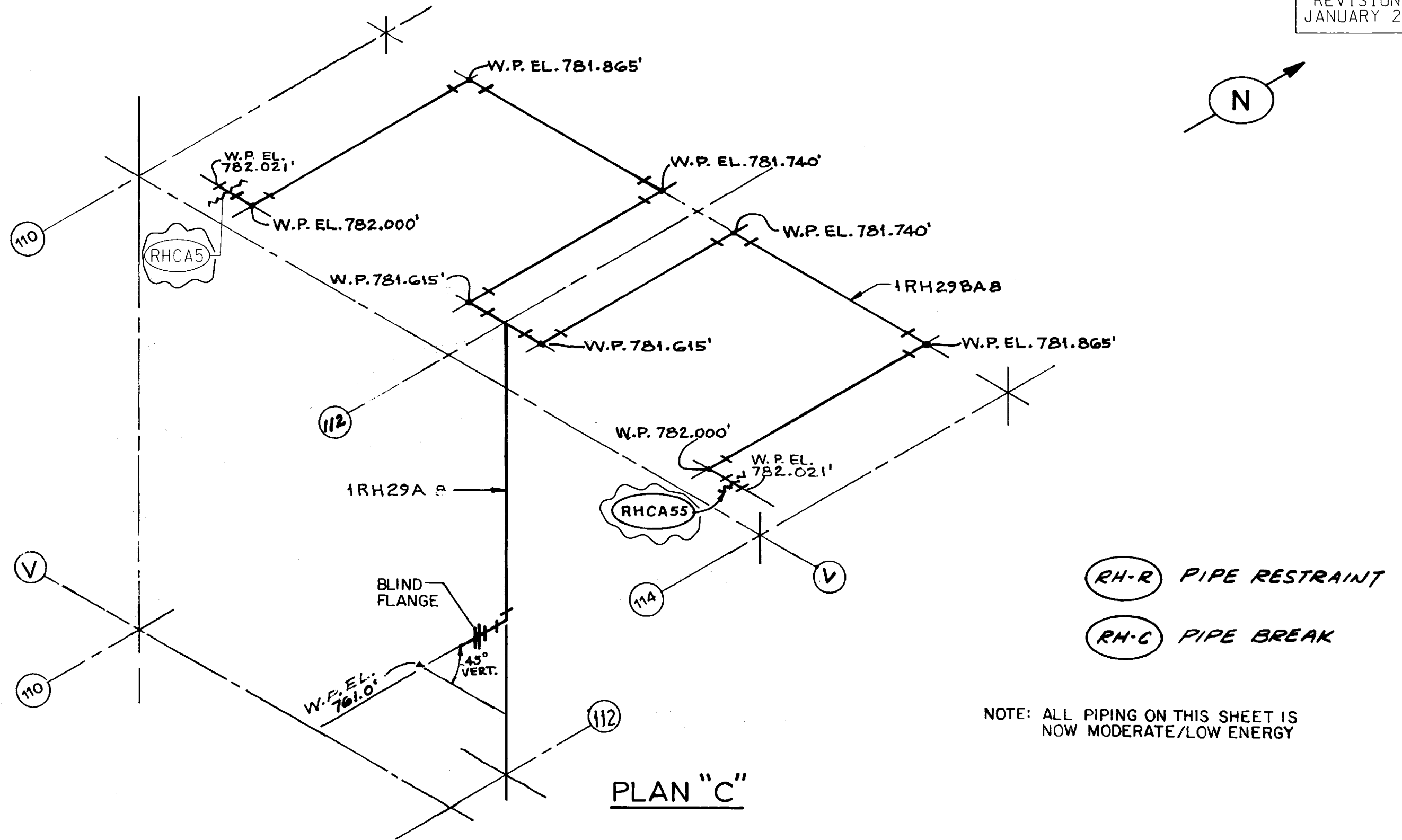
- (RI-R) PIPE RESTRAINT
- (RI-C) PIPE BREAK

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.6-21  
POSTULATED BREAKS AND RESTRAINT  
LOCATIONS RCIC SUBSYSTEM  
RI-02/RH-14 OUTSIDE CONTAINMENT  
(SHEET 1 OF 2)

FORM 809 2.4.4

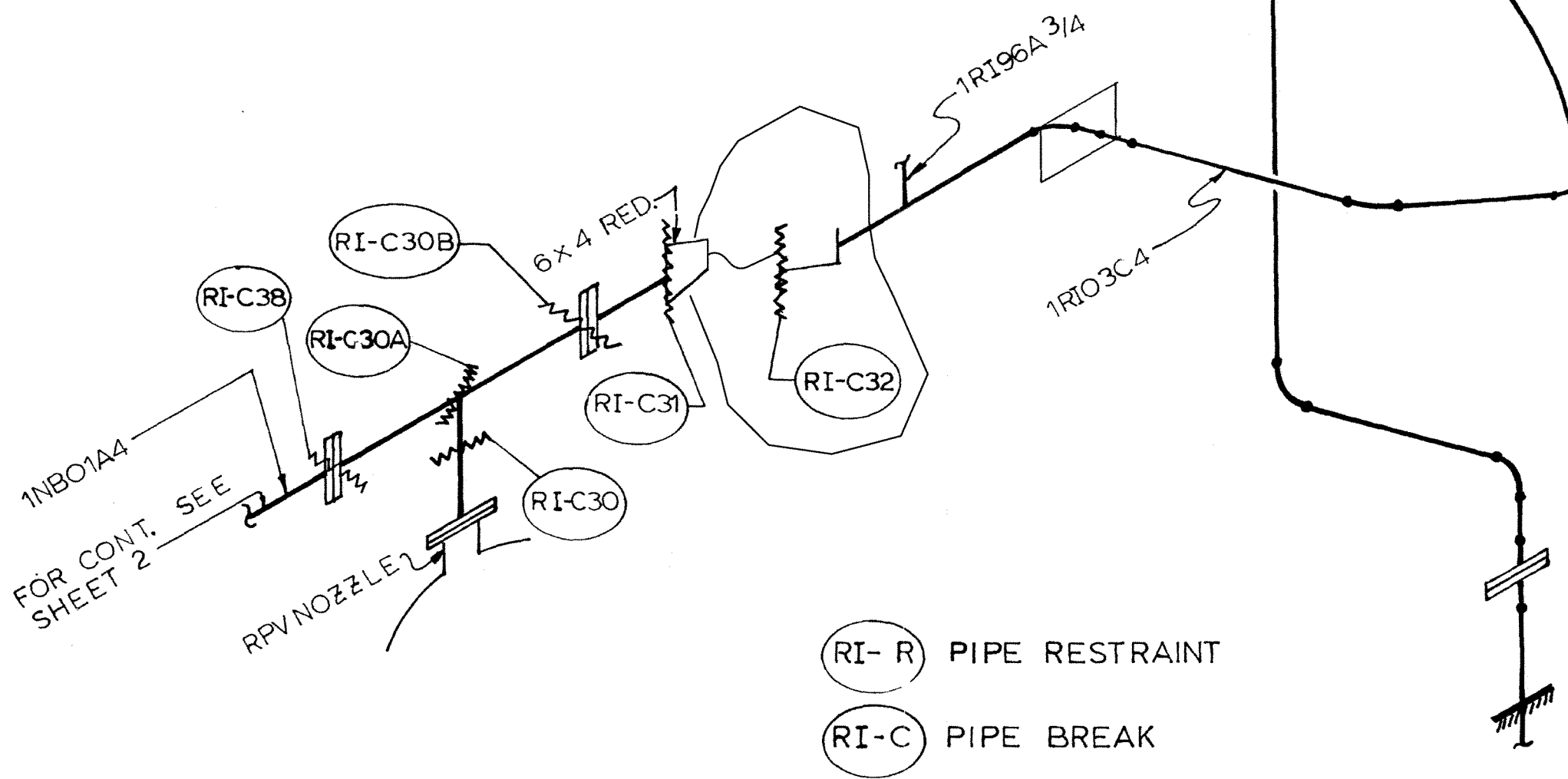
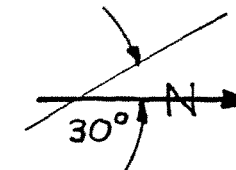
R.C.I.-80



**RH-R** PIPE RESTRAINT  
**RH-C** PIPE BREAK

NOTE: ALL PIPING ON THIS SHEET IS NOW MODERATE/LOW ENERGY

PLAN "C"

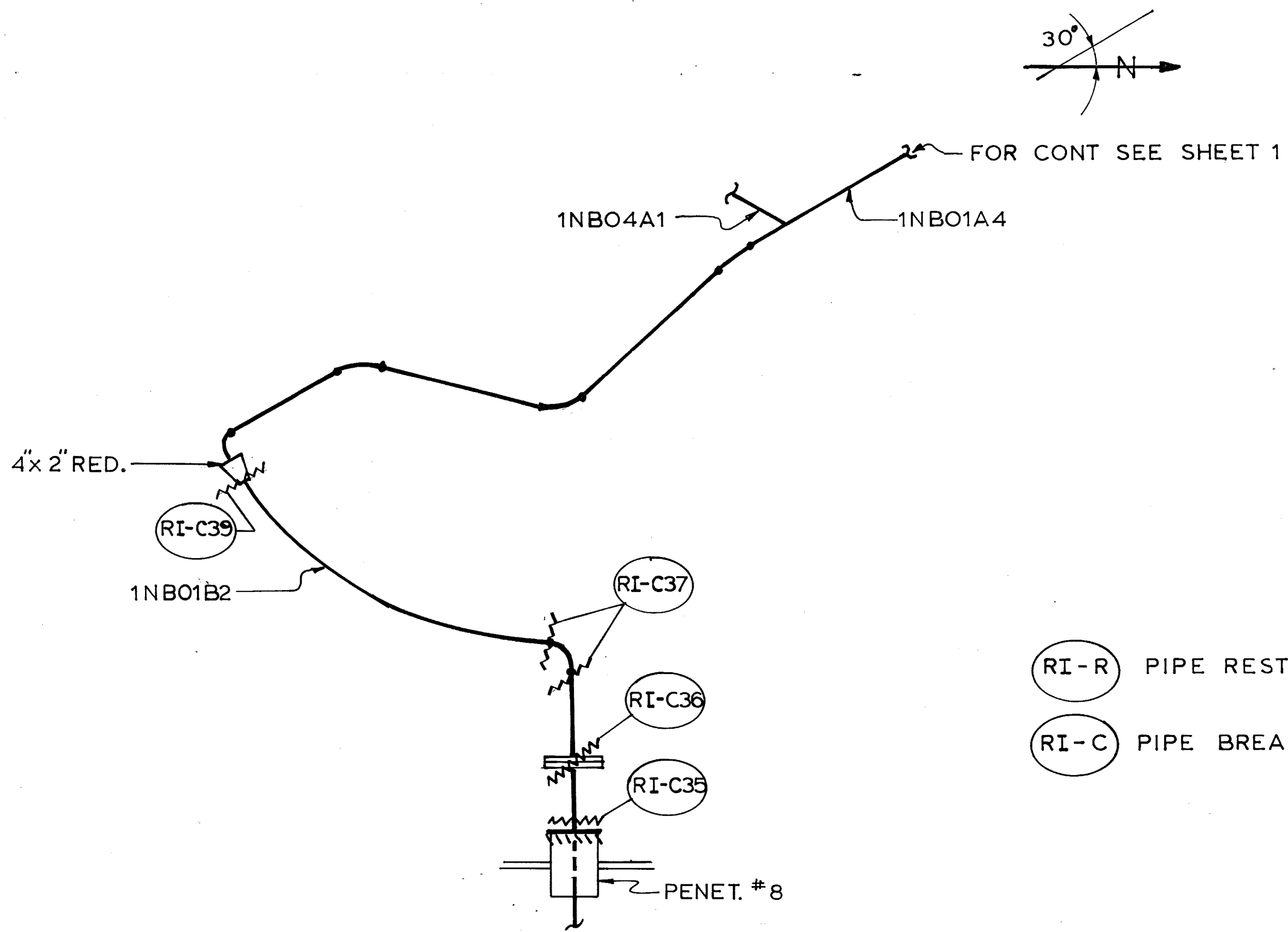


1NBO1A4  
FOR CONT. SEE  
SHEET 2

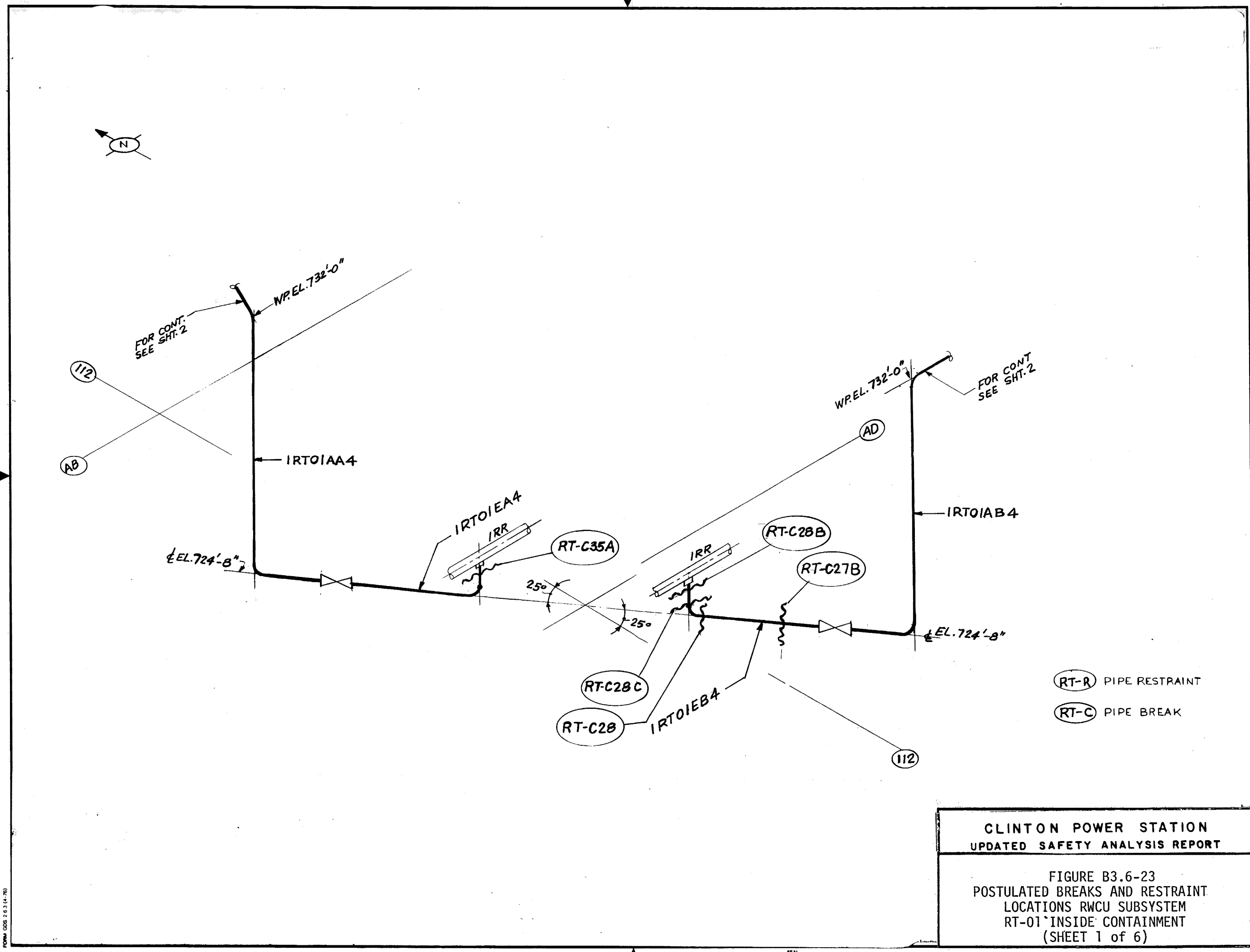
(RI-R) PIPE RESTRAINT  
(RI-C) PIPE BREAK

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.6-22  
POSTULATED BREAKS AND RESTRAINT  
LOCATIONS RCIC HEAD SPRAY  
SUBSYSTEM RI-11 INSIDE CONTAINMENT  
SHEET 1 OF 2



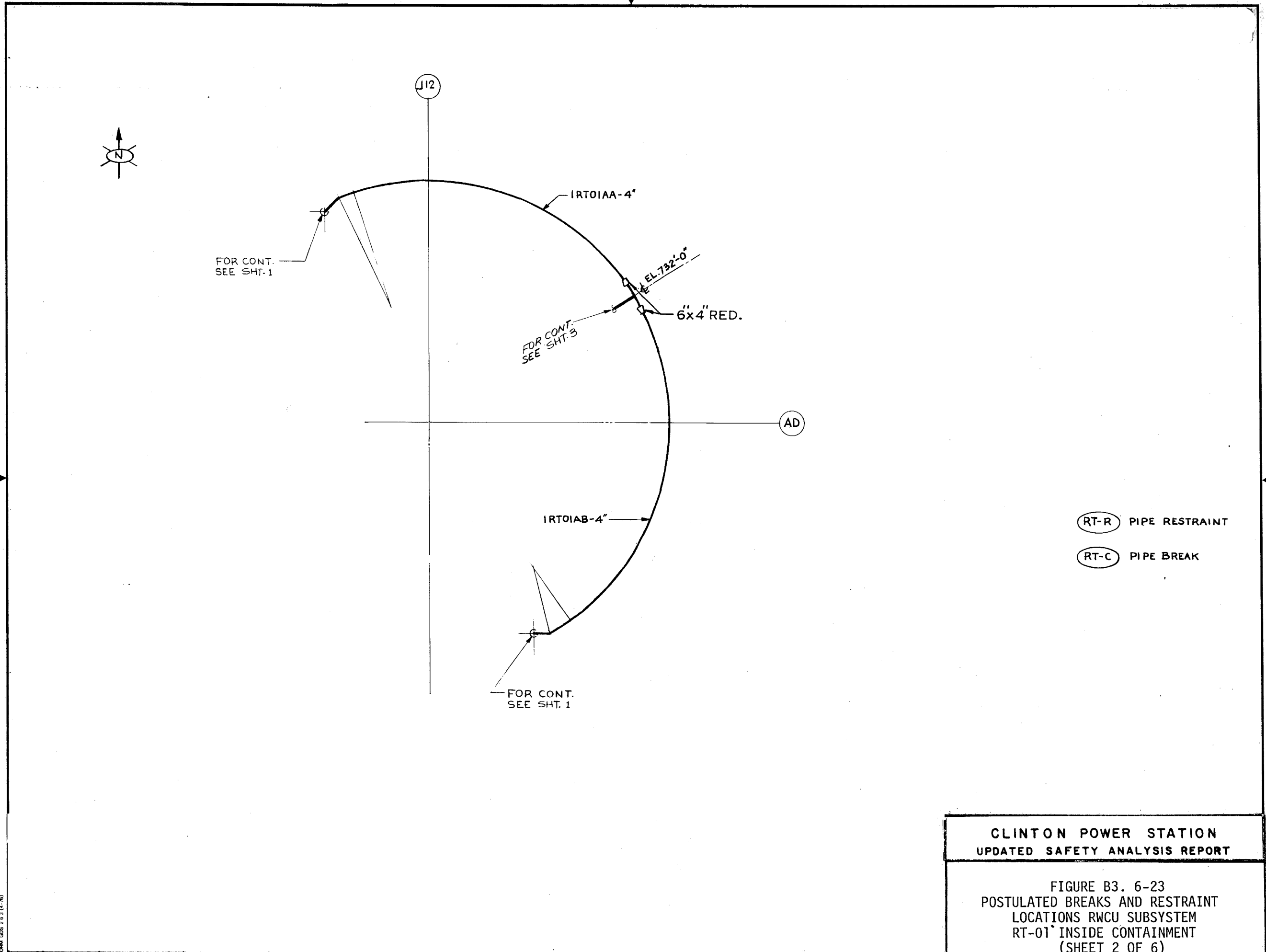
CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT  
 FIGURE B3.6-22  
 POSTULATED BREAKS AND RESTRAINT  
 LOCATIONS RCIC HEAD SPRAY  
 SUBSYSTEM RI-11 INSIDE CONTAINMENT  
 (SHEET 2 OF 2)



CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.6-23  
 POSTULATED BREAKS AND RESTRAINT  
 LOCATIONS RWCU SUBSYSTEM  
 RT-01 INSIDE CONTAINMENT  
 (SHEET 1 of 6)

FORM GDS 2 63 (4-78)

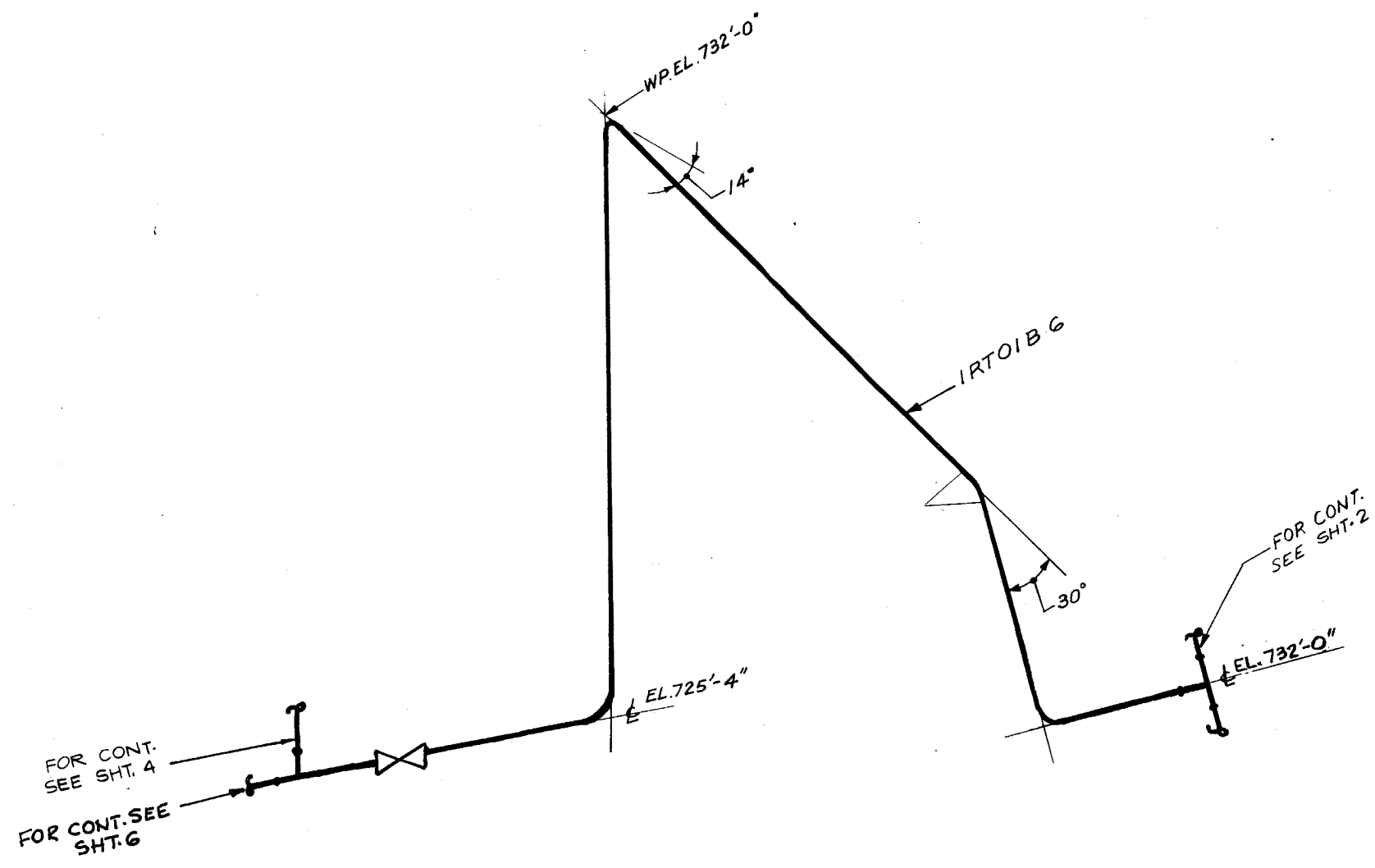


(RT-R) PIPE RESTRAINT  
 (RT-C) PIPE BREAK

CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE B3. 6-23  
 POSTULATED BREAKS AND RESTRAINT  
 LOCATIONS RWCU SUBSYSTEM  
 RT-01 INSIDE CONTAINMENT  
 (SHEET 2 OF 6)

FORM GDS 2.6.3 (4-76)



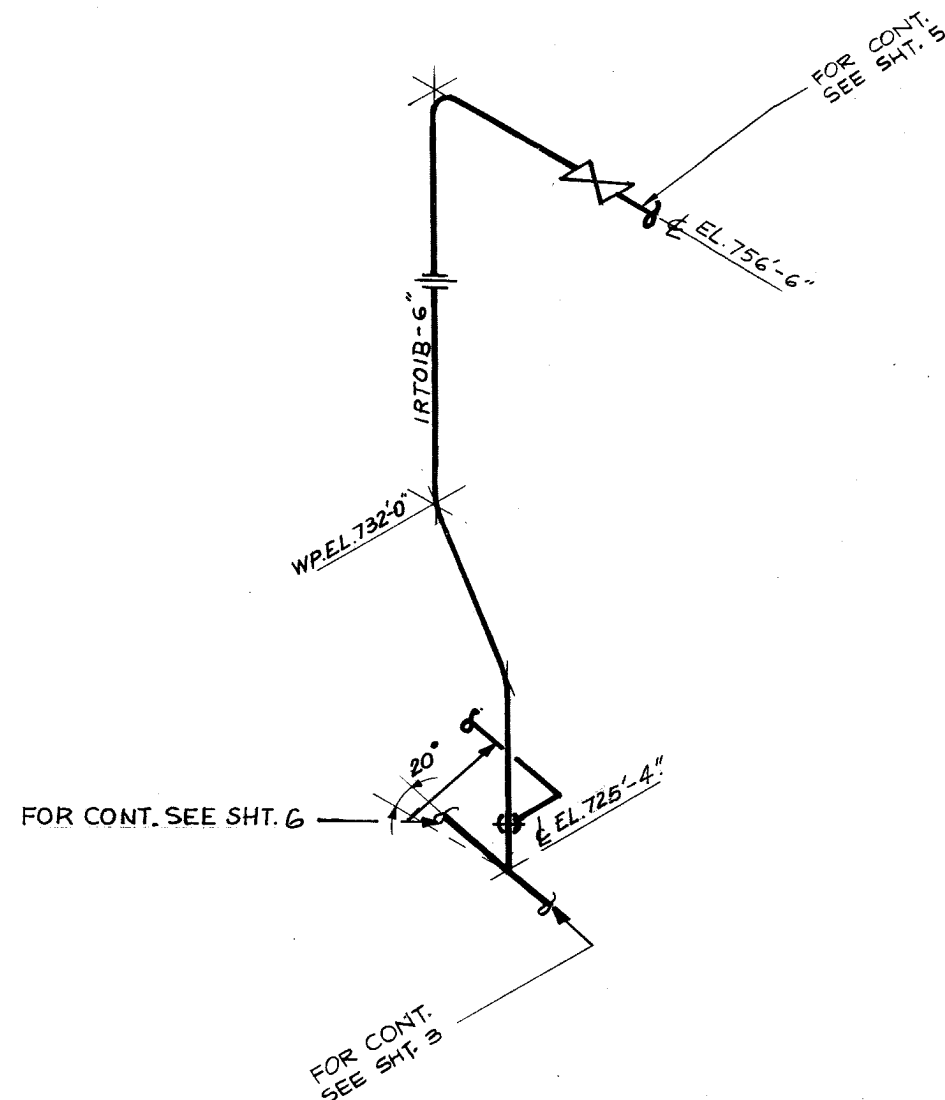
- (RT-R) PIPE RESTRAINT
- (RT-C) PIPE BREAK

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.6-23  
POSTULATED BREAKS AND RESTRAINT  
LOCATIONS RWCU SUBSYSTEM  
RT-01 INSIDE CONTAINMENT  
(SHEET 3 OF 6)

FORM GDS 2 B J (4-78)

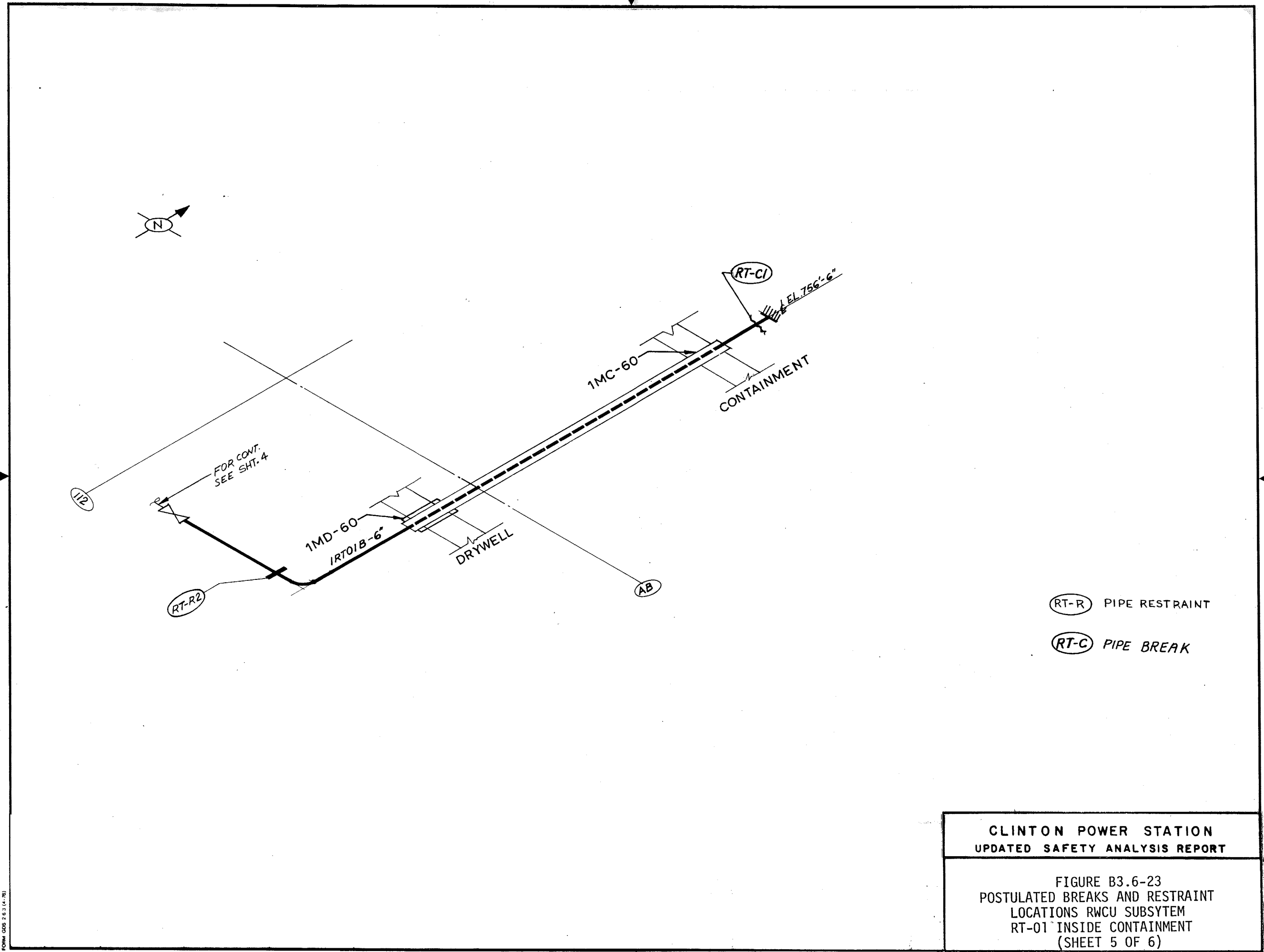




- (RI-R) PIPE RESTRAINT
- (RI-C) PIPE BREAK

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

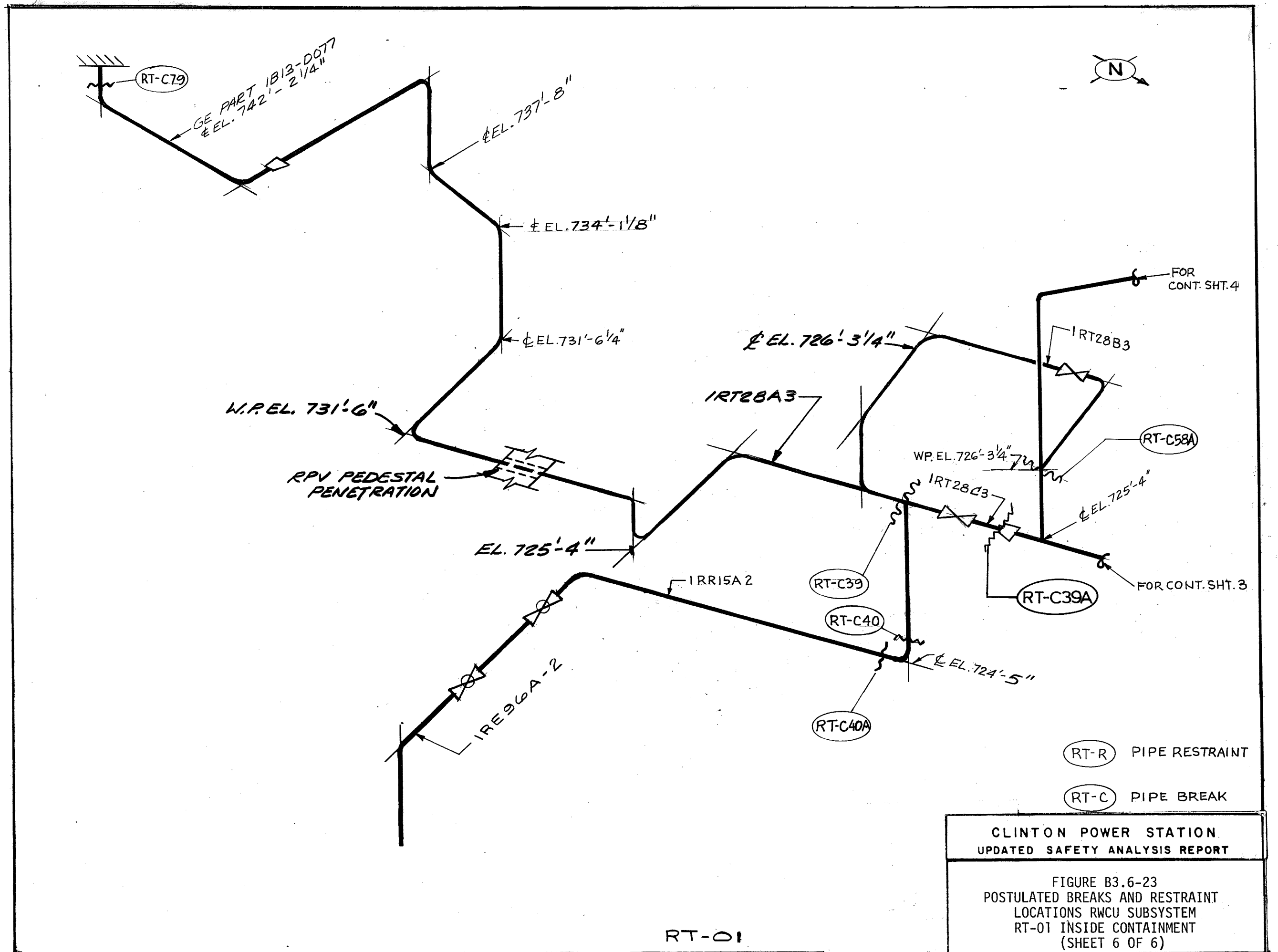
FIGURE B3.6-23  
POSTULATED BREAKS AND RESTRAINT  
LOCATIONS RWCU SUBSYSTEM  
RT-01 INSIDE CONTAINMENT  
(SHEET 4 OF 6)



CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.6-23  
 POSTULATED BREAKS AND RESTRAINT  
 LOCATIONS RWCU SUBSYSTEM  
 RT-01 INSIDE CONTAINMENT  
 (SHEET 5 OF 6)

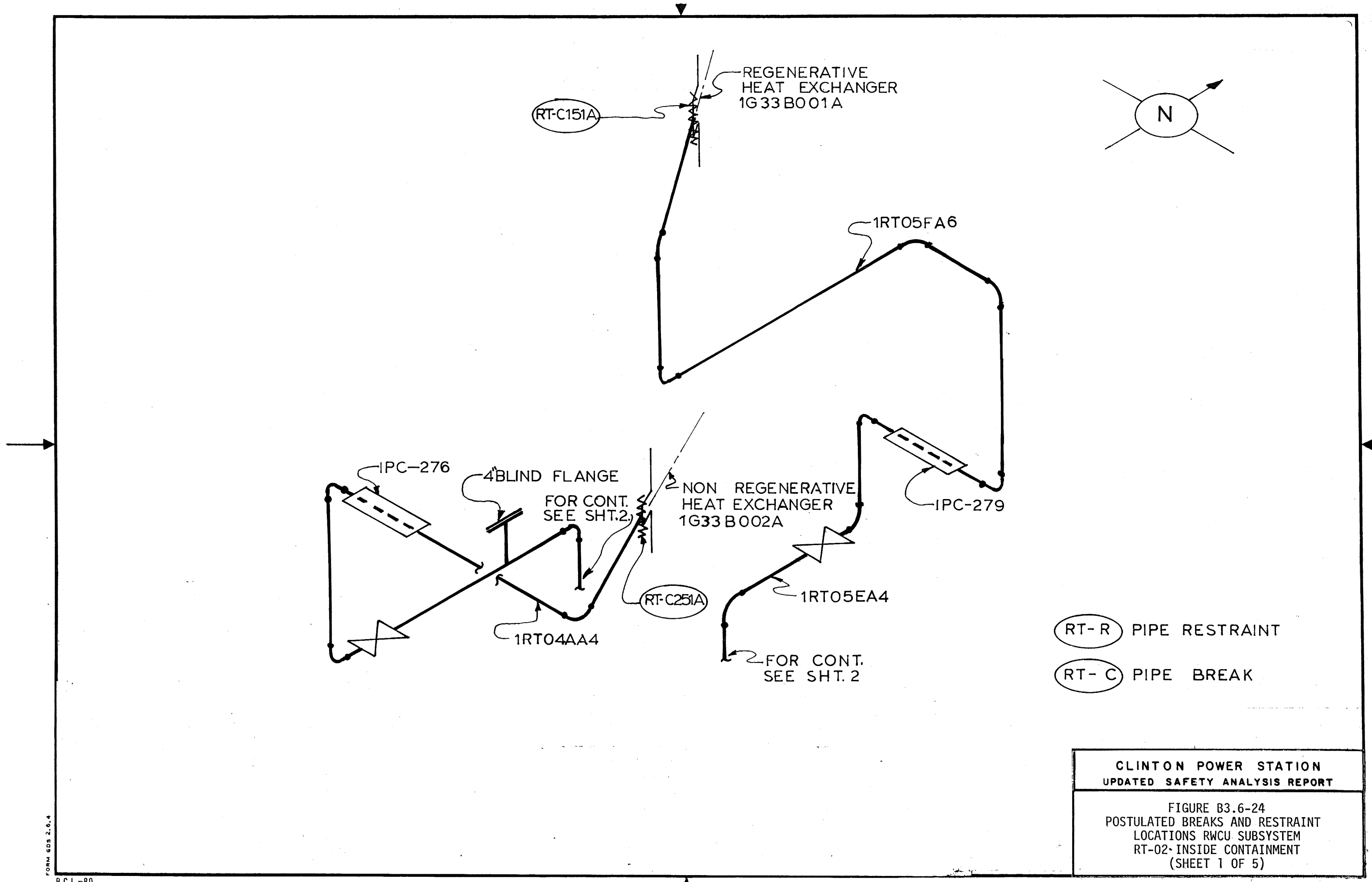
FORM GDS 2 B 3 (4-78)



(RT-R) PIPE RESTRAINT  
 (RT-C) PIPE BREAK

CLINTON POWER STATION.  
 UPDATED SAFETY ANALYSIS REPORT  
 FIGURE B3.6-23  
 POSTULATED BREAKS AND RESTRAINT  
 LOCATIONS RWCU SUBSYSTEM  
 RT-01 INSIDE CONTAINMENT  
 (SHEET 6 OF 6)

RT-01

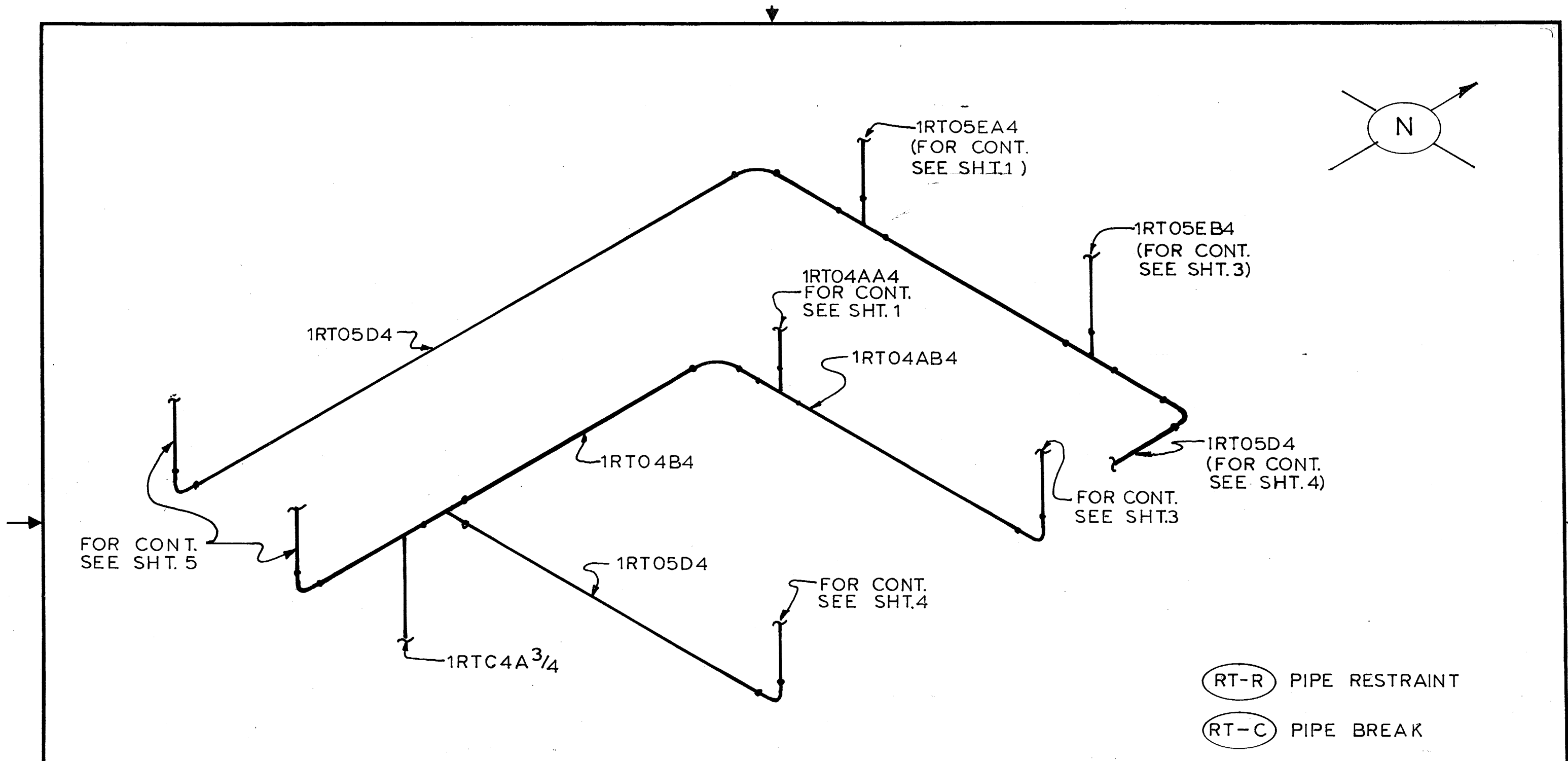
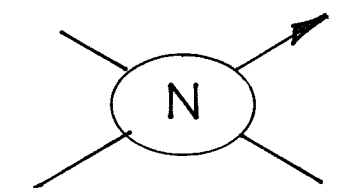


(RT-R) PIPE RESTRAINT  
 (RT-C) PIPE BREAK

CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT  
 FIGURE B3.6-24  
 POSTULATED BREAKS AND RESTRAINT  
 LOCATIONS RWCU SUBSYSTEM  
 RT-02- INSIDE CONTAINMENT  
 (SHEET 1 OF 5)

FORM GDS 2.6.4

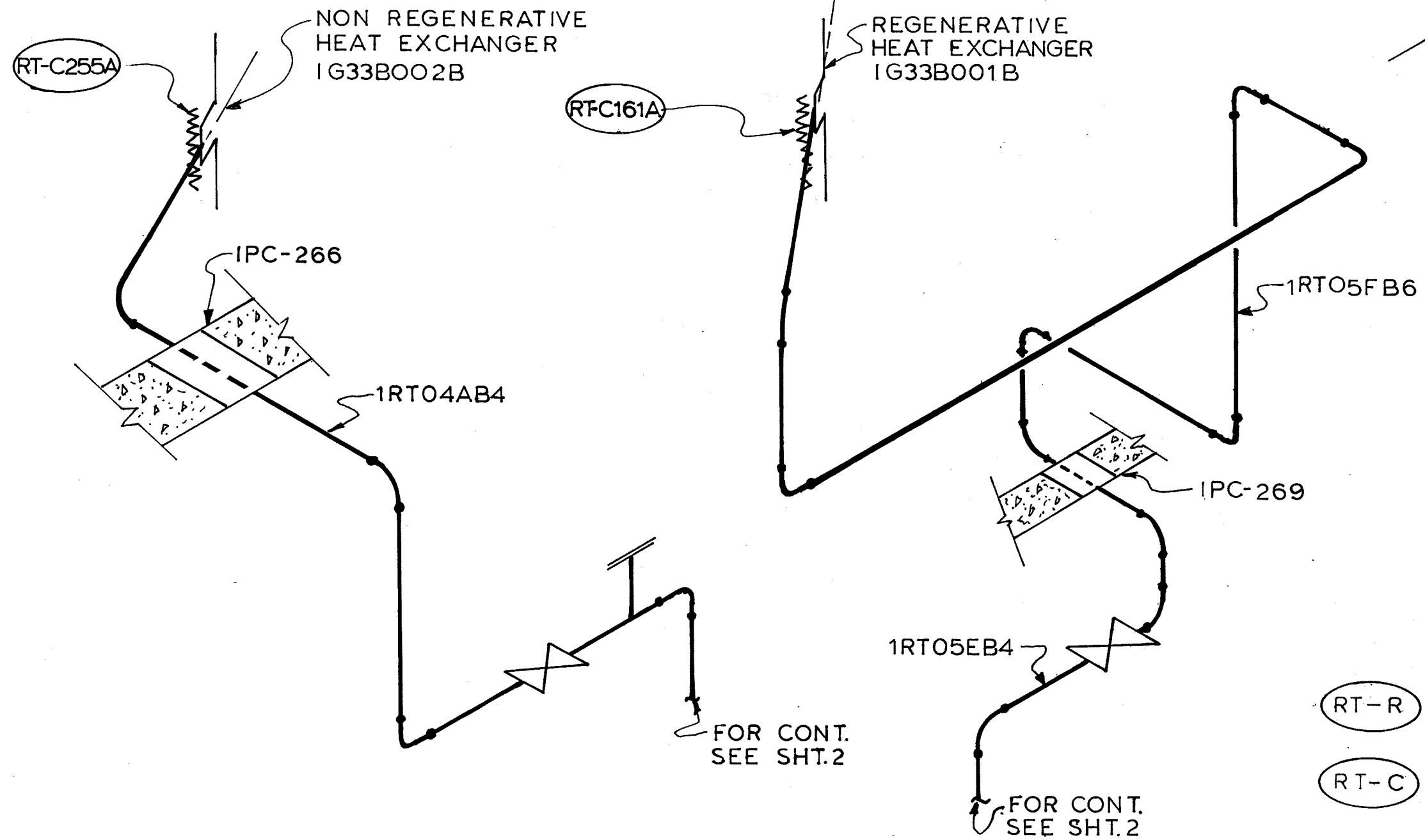
R.C.L.-80



(RT-R) PIPE RESTRAINT  
(RT-C) PIPE BREAK

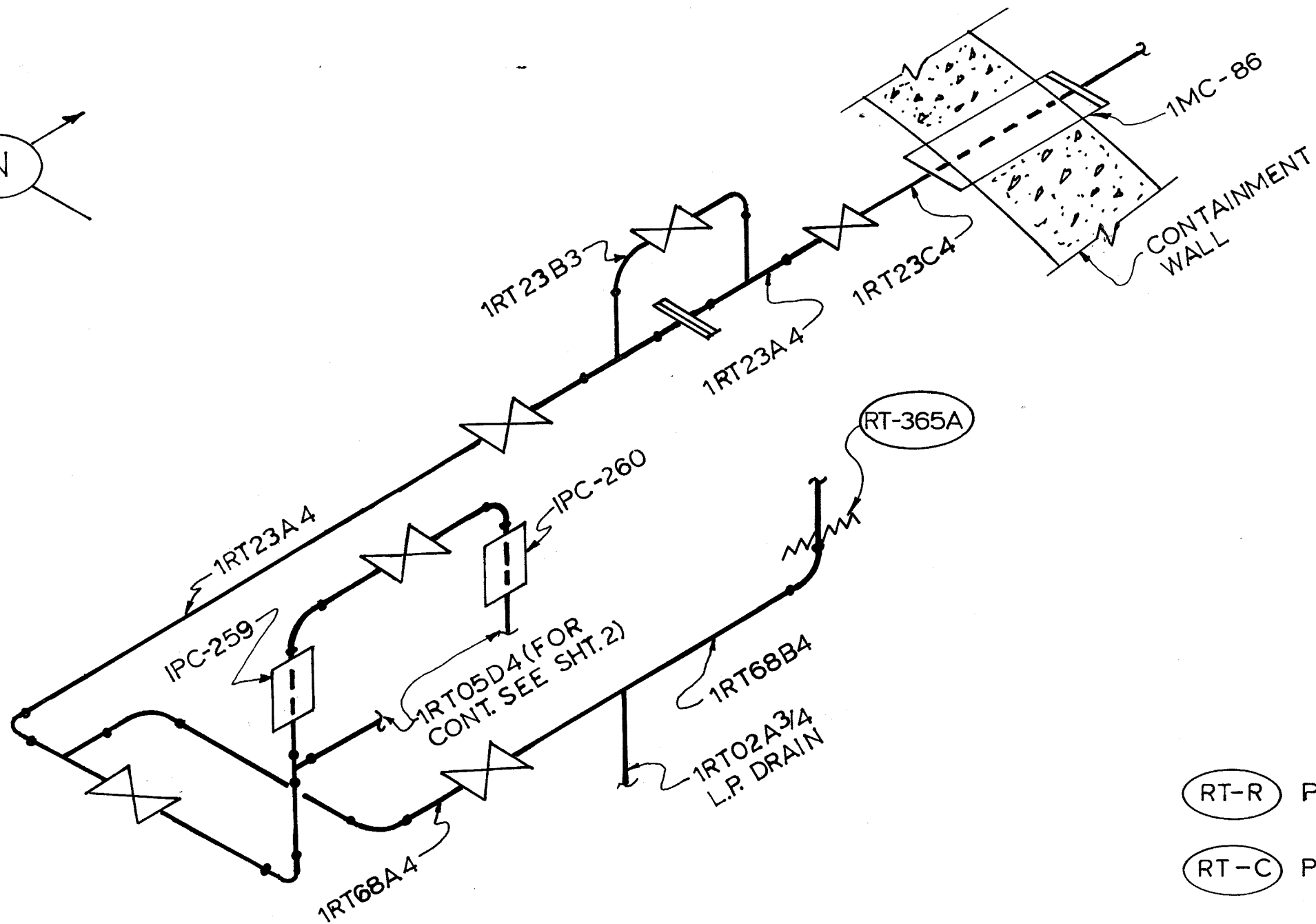
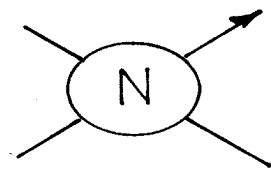
CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.6-24  
POSTULATED BREAKS AND RESTRAINT  
LOCATIONS RCU SUBSYSTEM  
RT-02 INSIDE CONTAINMENT  
(SHEET 2 OF 5)



CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

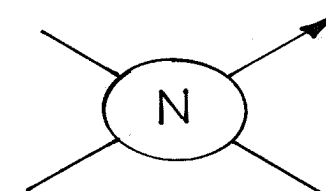
FIGURE B3.6-24  
 POSTULATED BREAKS AND RESTRAINT  
 LOCATIONS RWCU SUBSYSTEM  
 RT-02 INSIDE CONTAINMENT  
 (SHEET 3 OF 5)



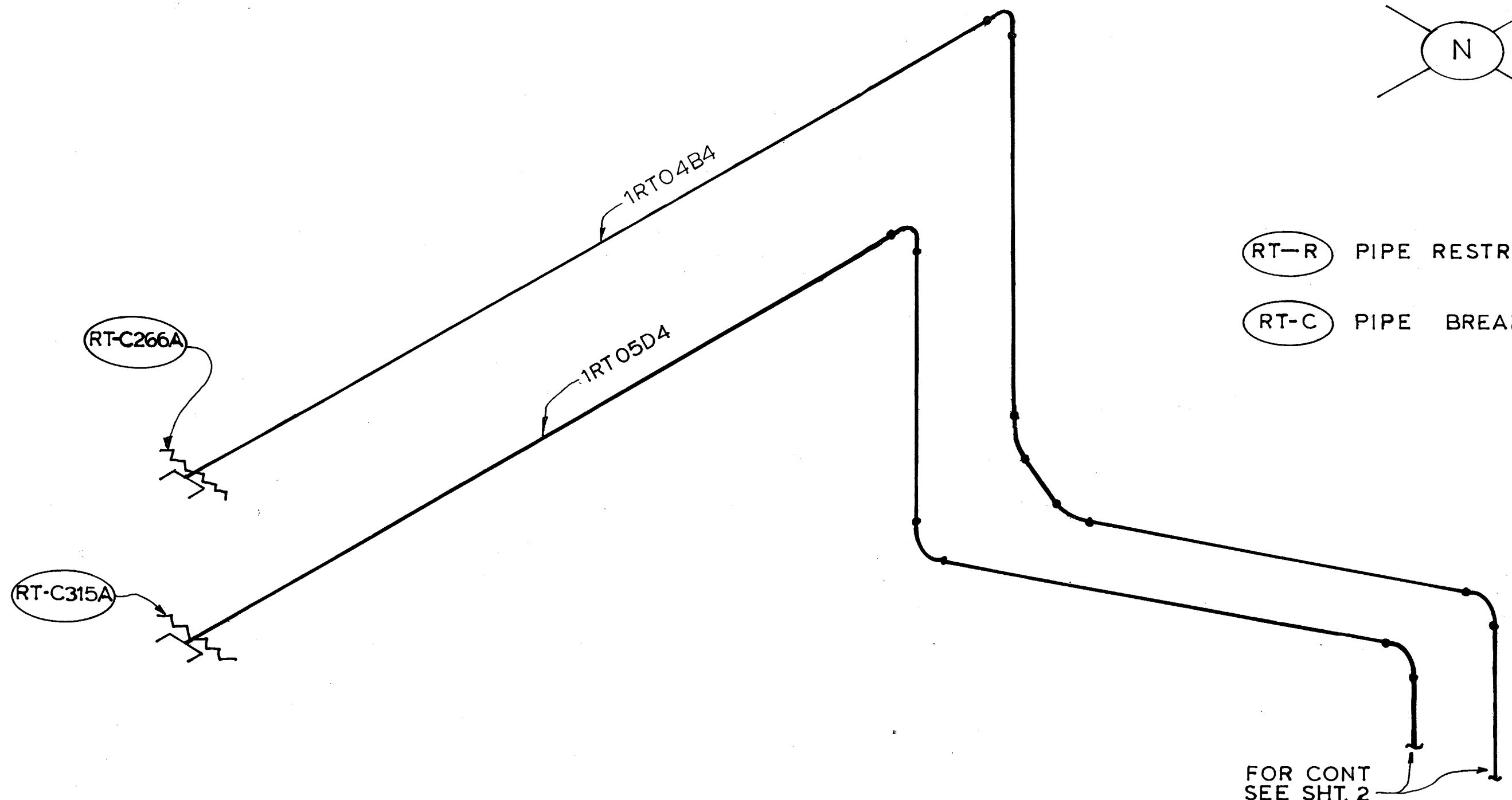
- (RT-R) PIPE RESTRAINT
- (RT-C) PIPE BREAK

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.6-24  
POSTULATED BREAKS AND RESTRAINT  
LOCATIONS RWCU SUBSYSTEM  
RT-02' INSIDE CONTAINMENT  
(SHEET 4 OF 5)



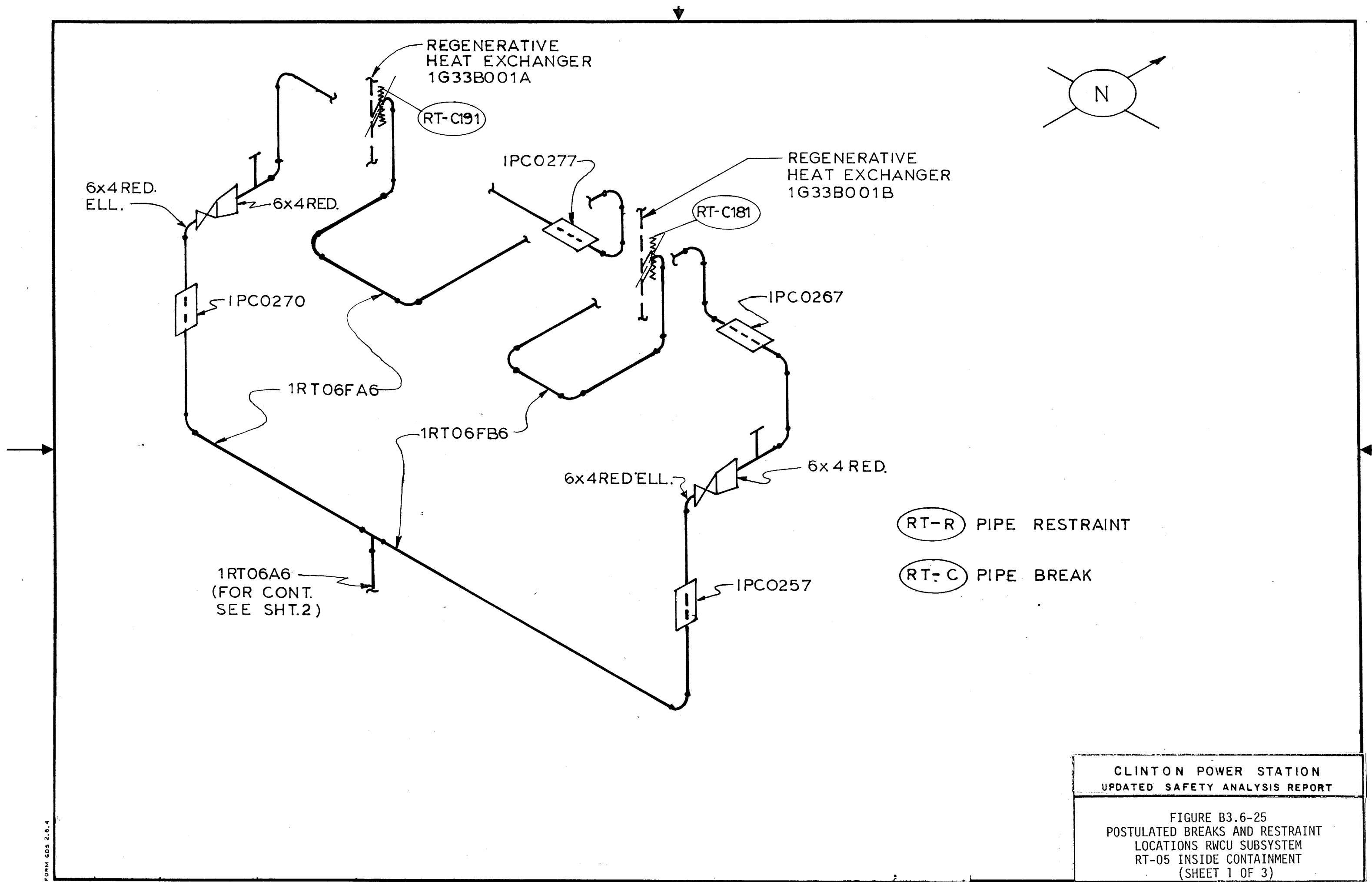
(RT-R) PIPE RESTRAINT  
(RT-C) PIPE BREAK



CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

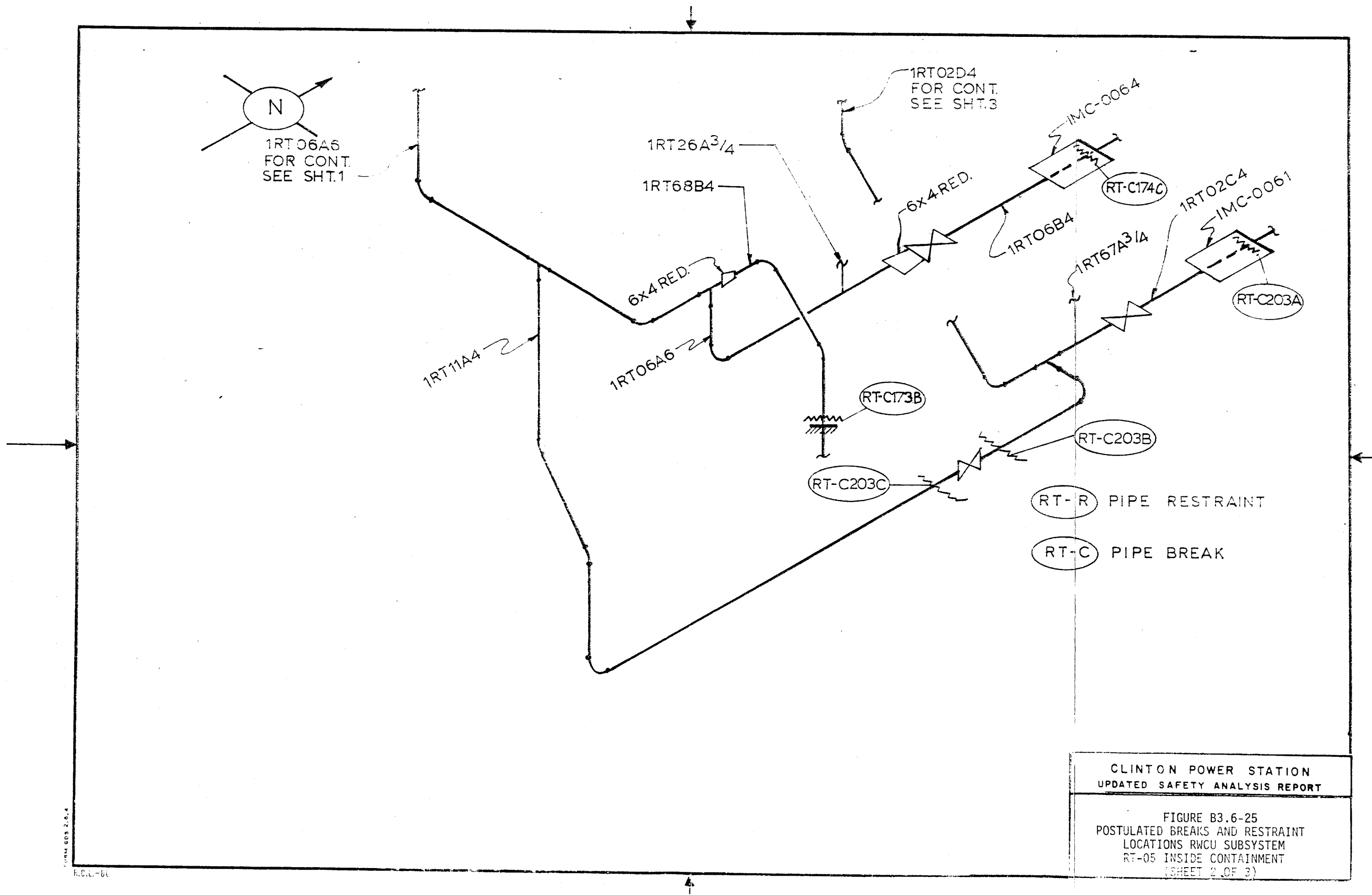
FIGURE B3.6-24  
POSTULATED BREAKS AND RESTRAINT  
LOCATIONS RWCU SUBSYSTEM  
RT-02 INSIDE CONTAINMENT  
(SHEET 5 OF 5)





(RT-R) PIPE RESTRAINT  
 (RT-C) PIPE BREAK

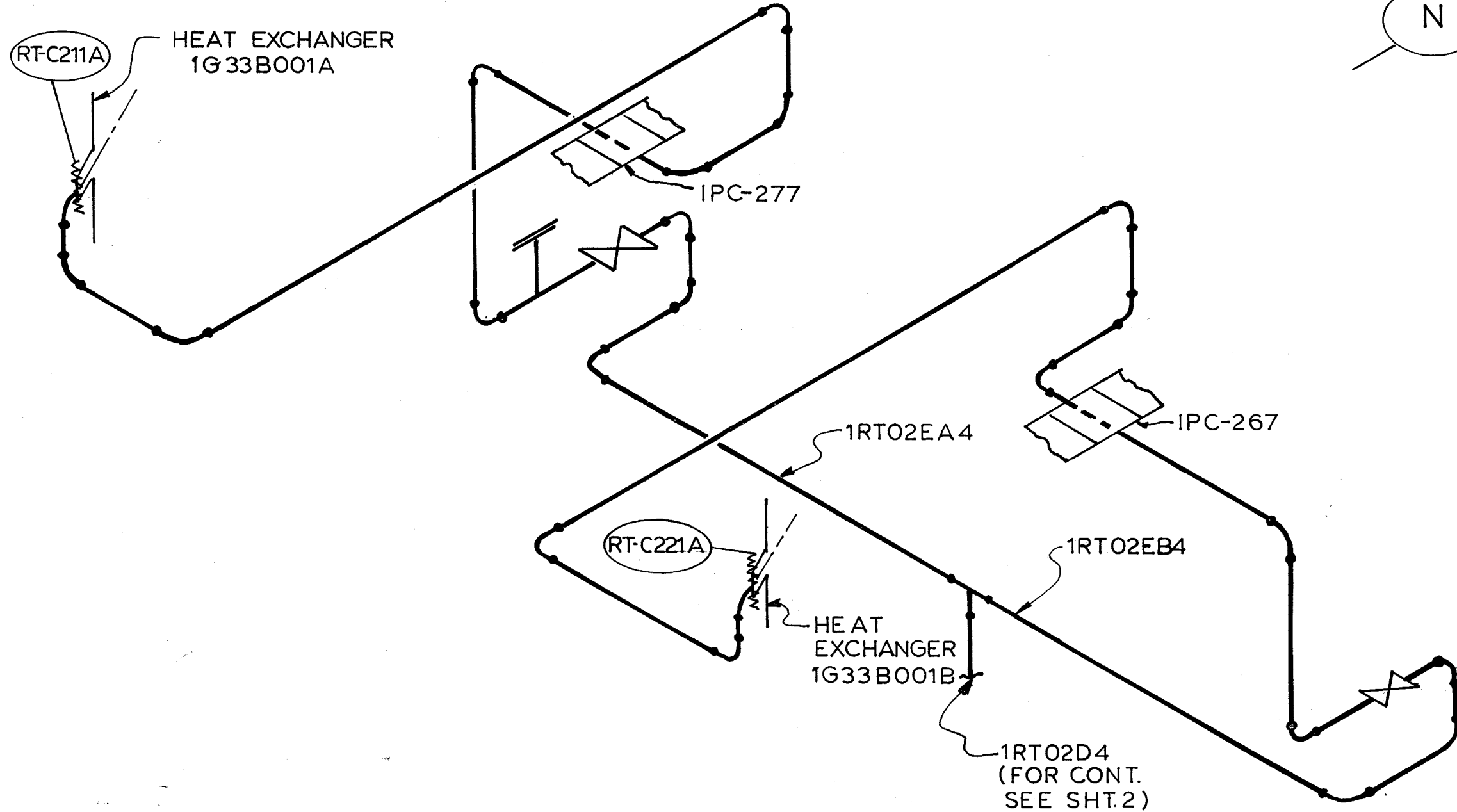
CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT  
 FIGURE B3.6-25  
 POSTULATED BREAKS AND RESTRAINT  
 LOCATIONS RWCU SUBSYSTEM  
 RT-05 INSIDE CONTAINMENT  
 (SHEET 1 OF 3)



CLM GDS 2.0.4  
R.C.L.-66

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

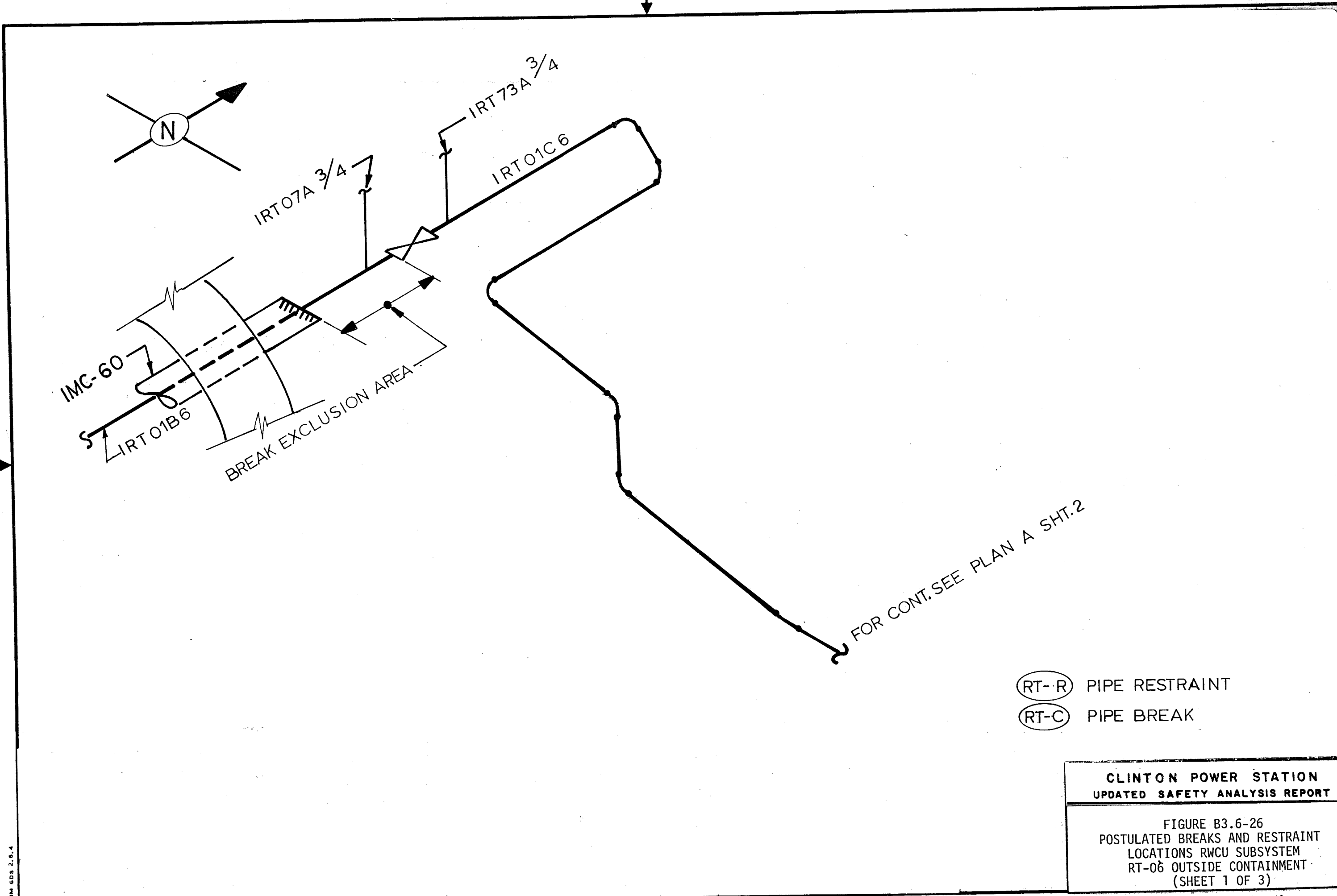
FIGURE B3.6-25  
POSTULATED BREAKS AND RESTRAINT  
LOCATIONS RWCU SUBSYSTEM  
RT-05 INSIDE CONTAINMENT  
(SHEET 2 OF 3)



(RT-R) PIPE RESTRAINT  
(RT-C) PIPE BREAK

**CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT**

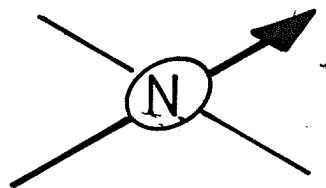
FIGURE B3.6-25  
POSTULATED BREAKS AND RESTRAINT  
LOCATIONS RCU SUBSYSTEM  
RT-05 INSIDE CONTAINMENT  
(SHEET 3 OF 3)



- (RT-R) PIPE RESTRAINT
- (RT-C) PIPE BREAK

**CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT**

FIGURE B3.6-26  
POSTULATED BREAKS AND RESTRAINT  
LOCATIONS RWCU SUBSYSTEM  
RT-06 OUTSIDE CONTAINMENT  
(SHEET 1 OF 3)



FOR CONT.  
SEE SHT. 1

IRT01C6

IRT01DC3  
FOR CONT SEE  
SHT. 3 PLAN A

IRT01DB3  
FOR CONT. SEE  
SHT.3 PLAN B

CLEAN-UP RECIRC.  
PUMP 1G33-C001A

RT-C603

IRT79AA 3/4

1AB0154

IRT01DA3

FOR CONT.  
SEE PLAN A

IRT01DA3

PLAN B

PLAN A

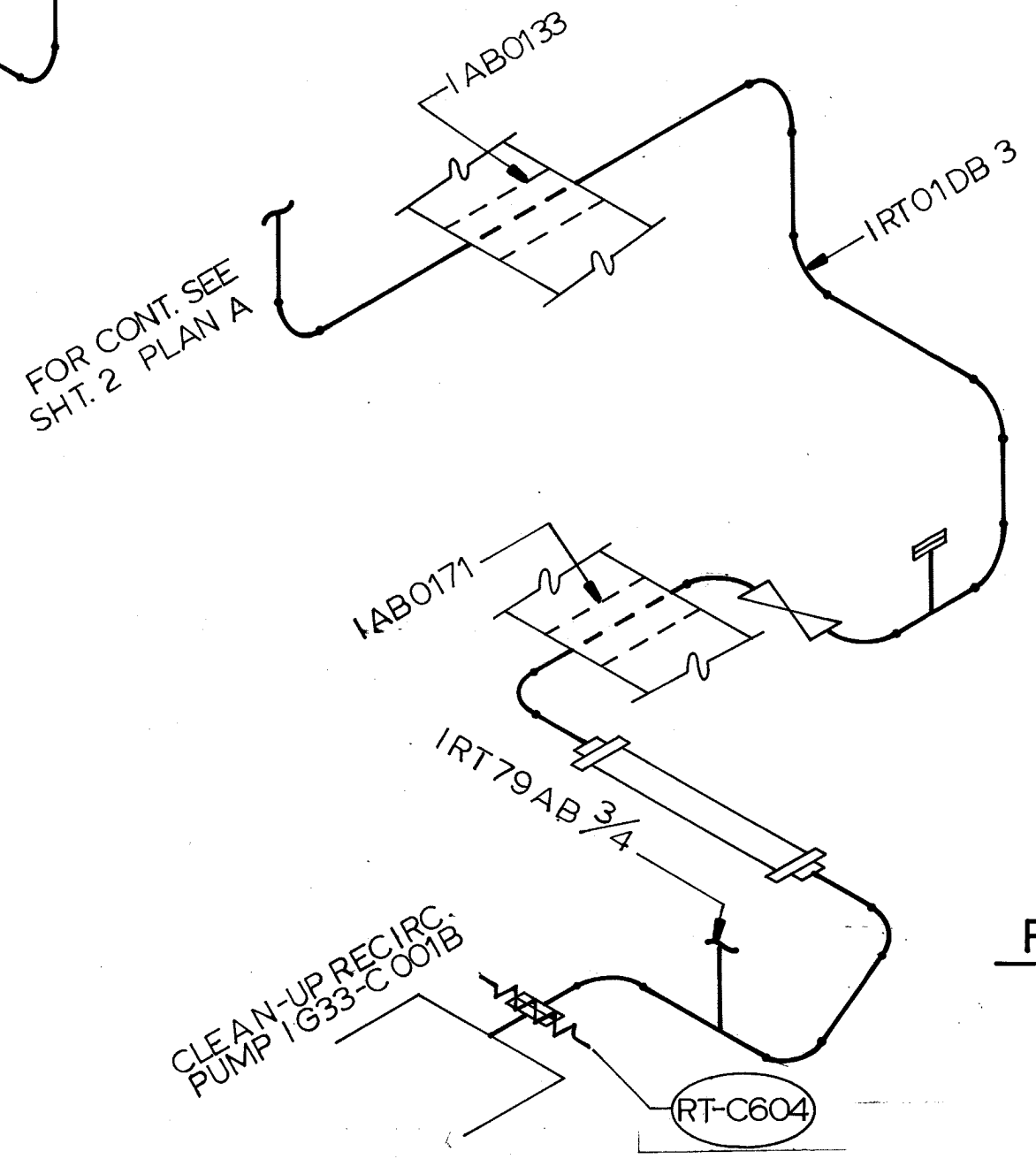
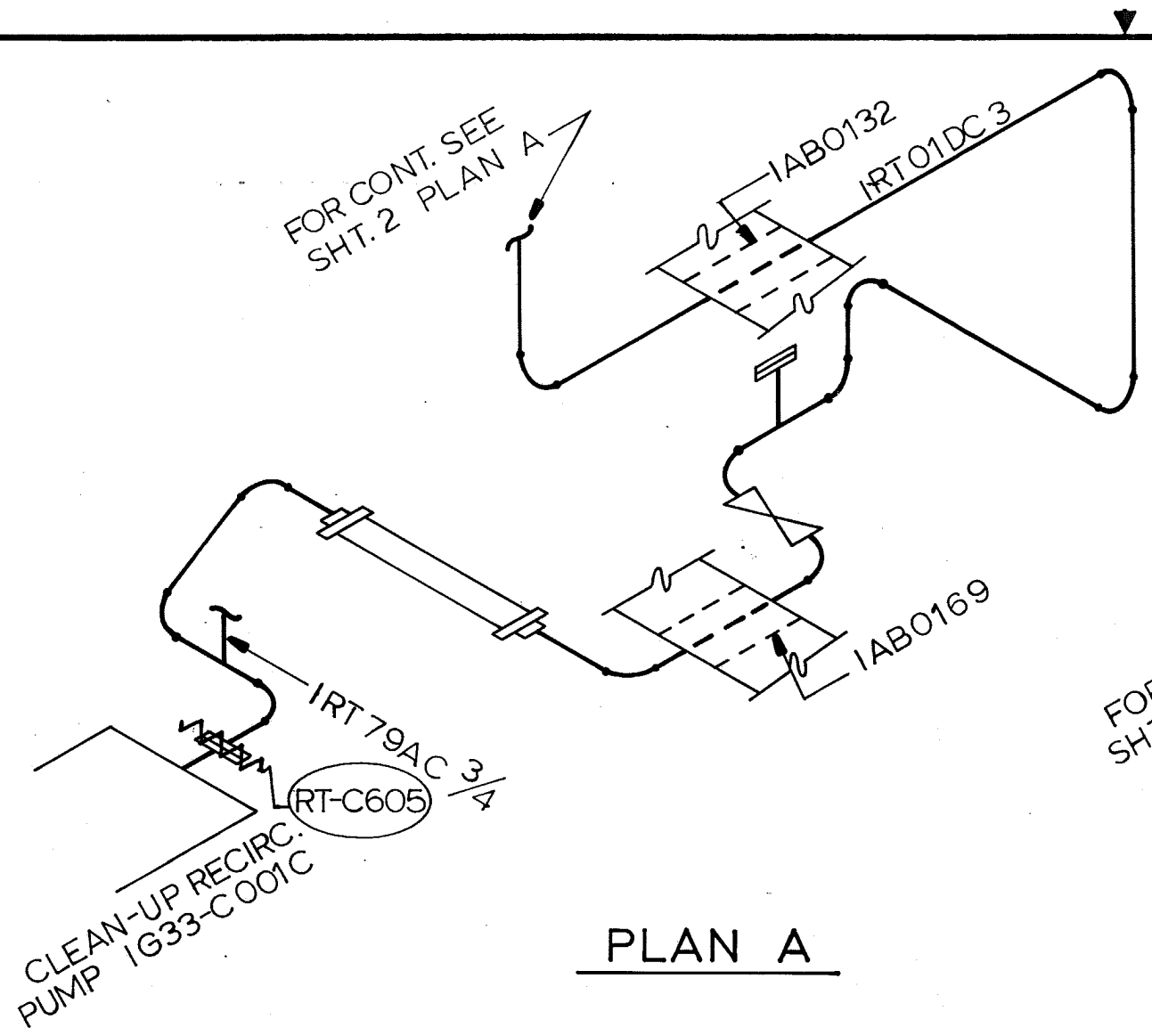
FOR CONT. SEE  
PLAN B

RT-R PIPE RESTRAINT

RT-C PIPE BREAK

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.6-26  
POSTULATED BREAKS AND RESTRAINT  
LOCATIONS RWCU SUBSYSTEM  
RT-06 OUTSIDE CONTAINMENT  
(SHEET 2 OF 3)



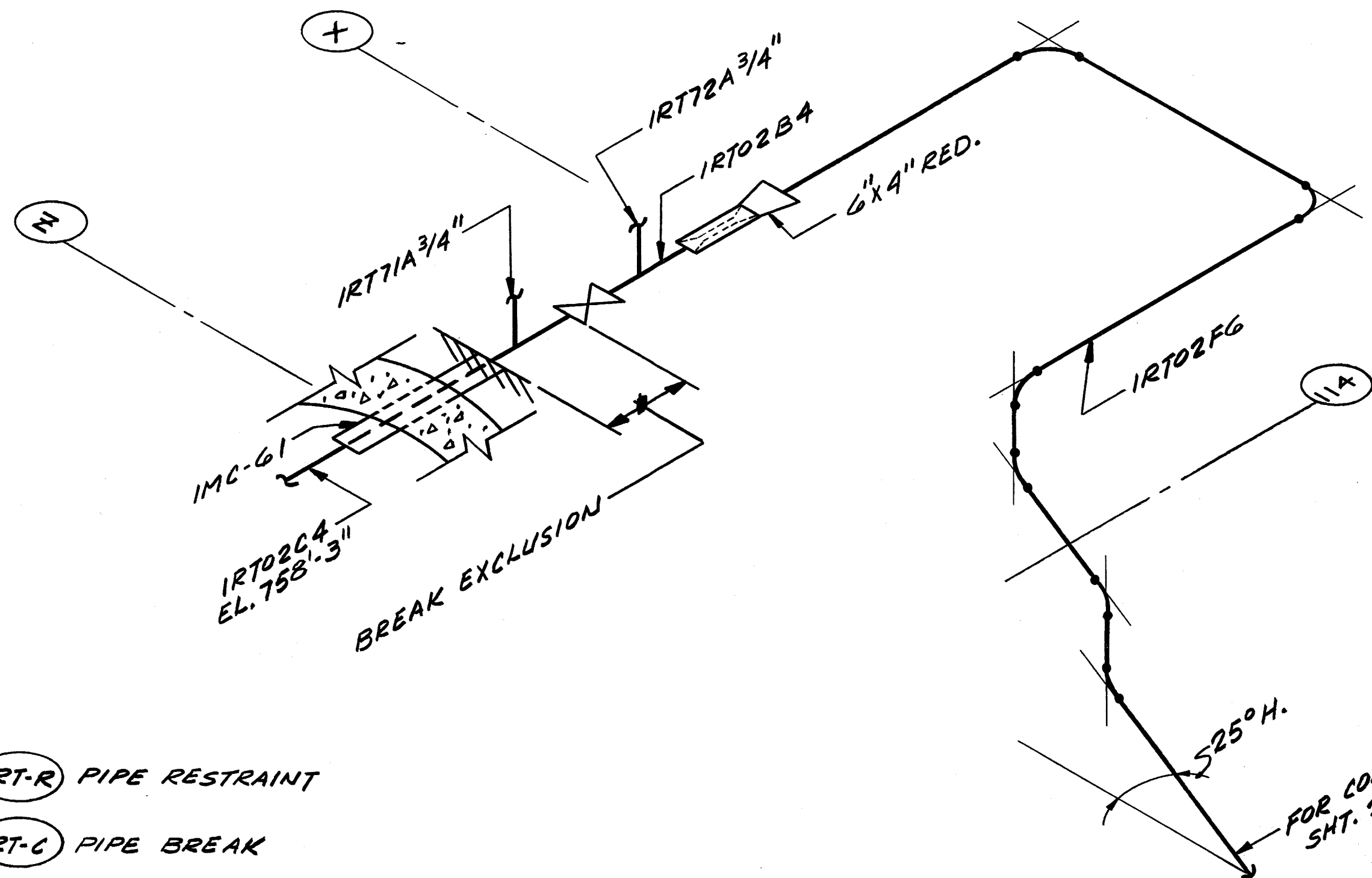
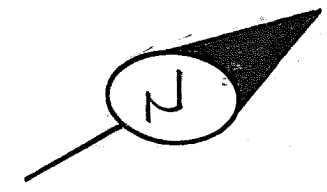
RT-R PIPE RESTRAINT

RT-C PIPE BREAK



CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.6-26  
 POSTULATED BREAKS AND RESTRAINT  
 LOCATIONS RWCU SUBSYSTEM  
 RT-06 OUTSIDE CONTAINMENT  
 (SHEET 3 OF 3)

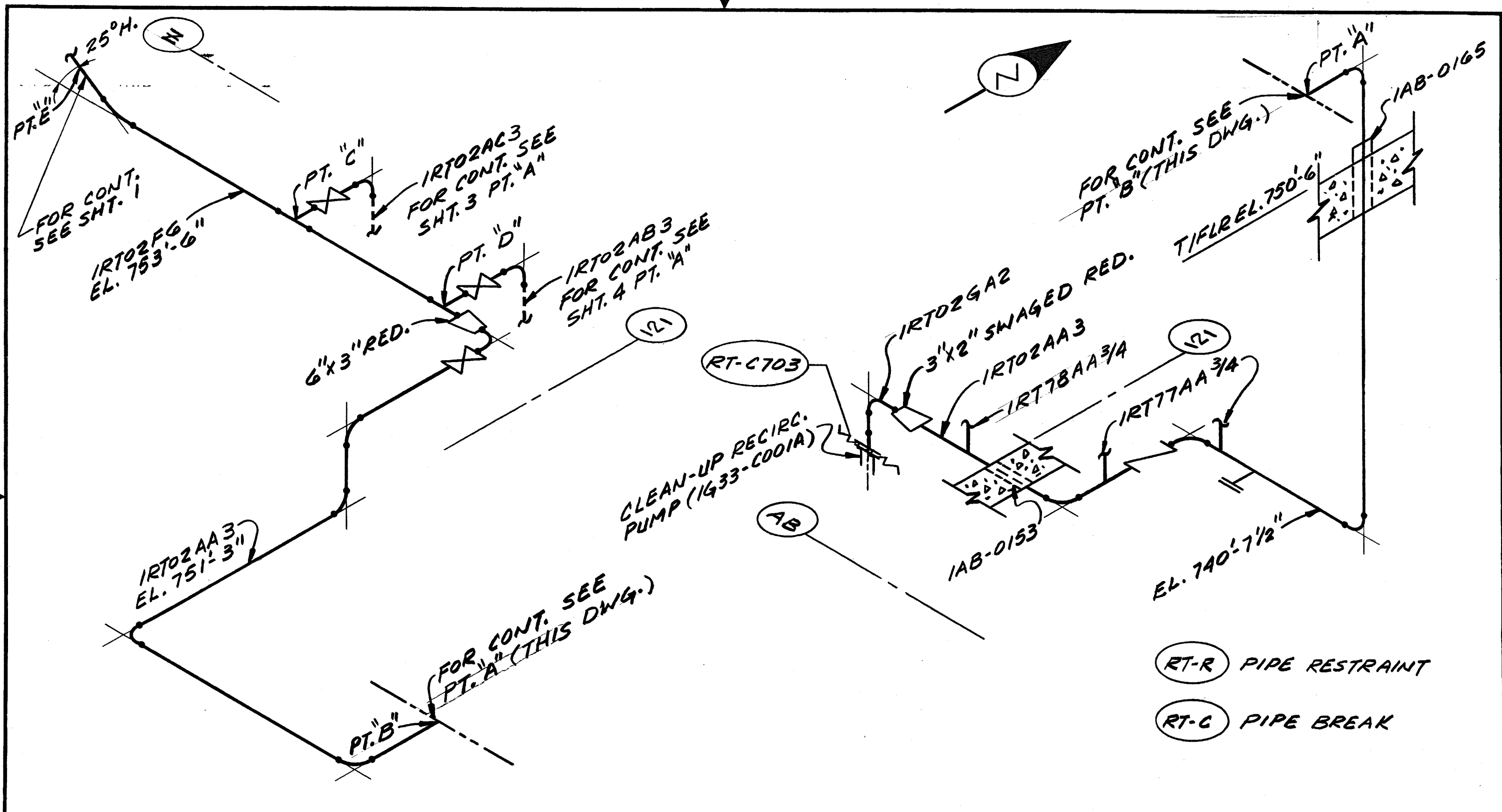


(RT-R) PIPE RESTRAINT  
 (RT-C) PIPE BREAK

FOR CONT. SEE PLAN "A"  
 SHT. 2 PT. "E"

CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.6-27  
 POSTULATED BREAKS AND RESTRAINT  
 LOCATIONS RWCU SUBSYSTEM  
 RT-07 'OUTSIDE CONTAINMENT'  
 (SHEET 1 OF 4)

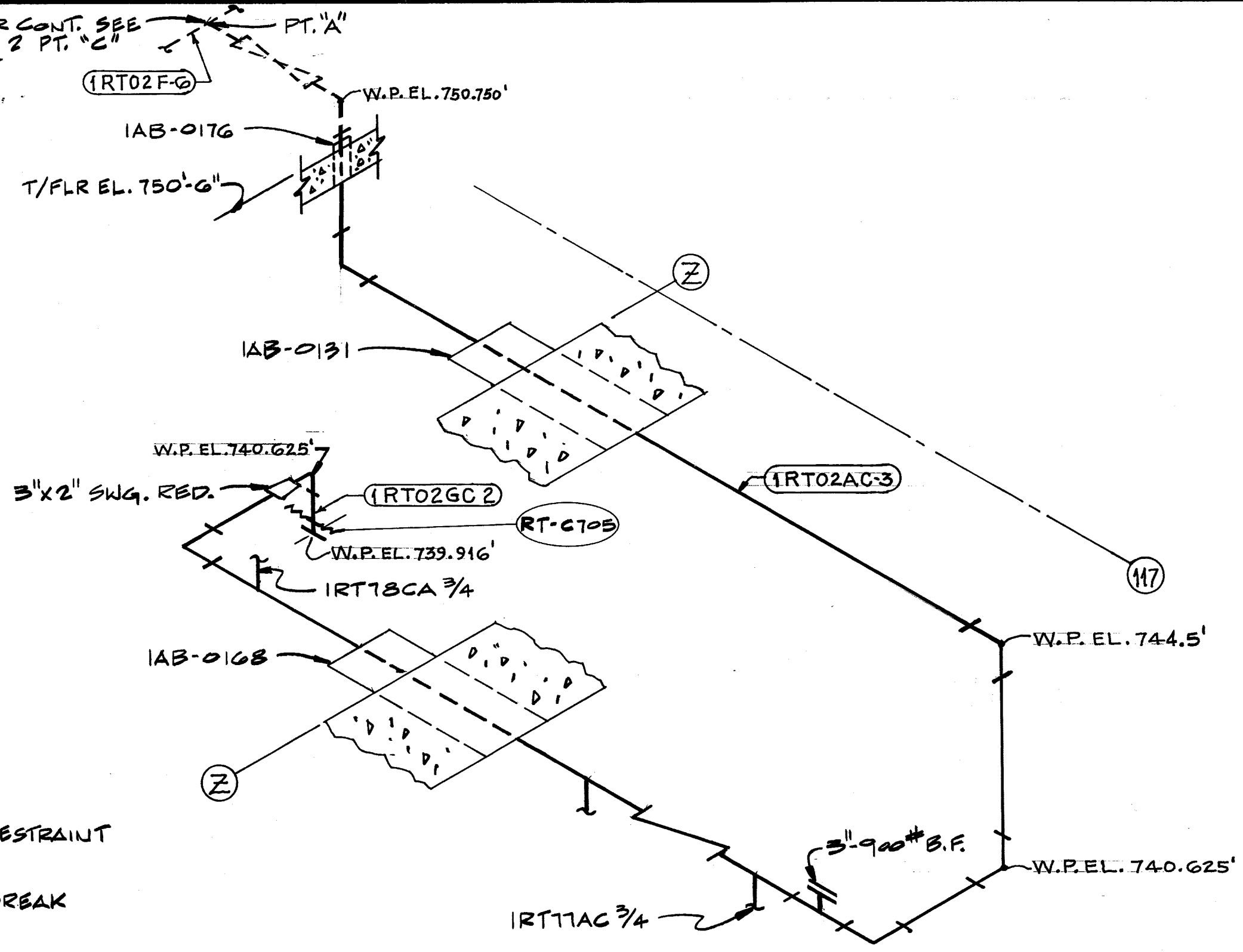
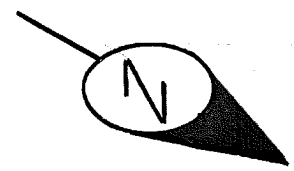


CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.6-27  
 POSTULATED BREAKS AND RESTRAINT  
 LOCATIONS RCU SUBSYSTEM  
 RT-07 OUTSIDE CONTAINMENT  
 (SHEET 2 OF 4)



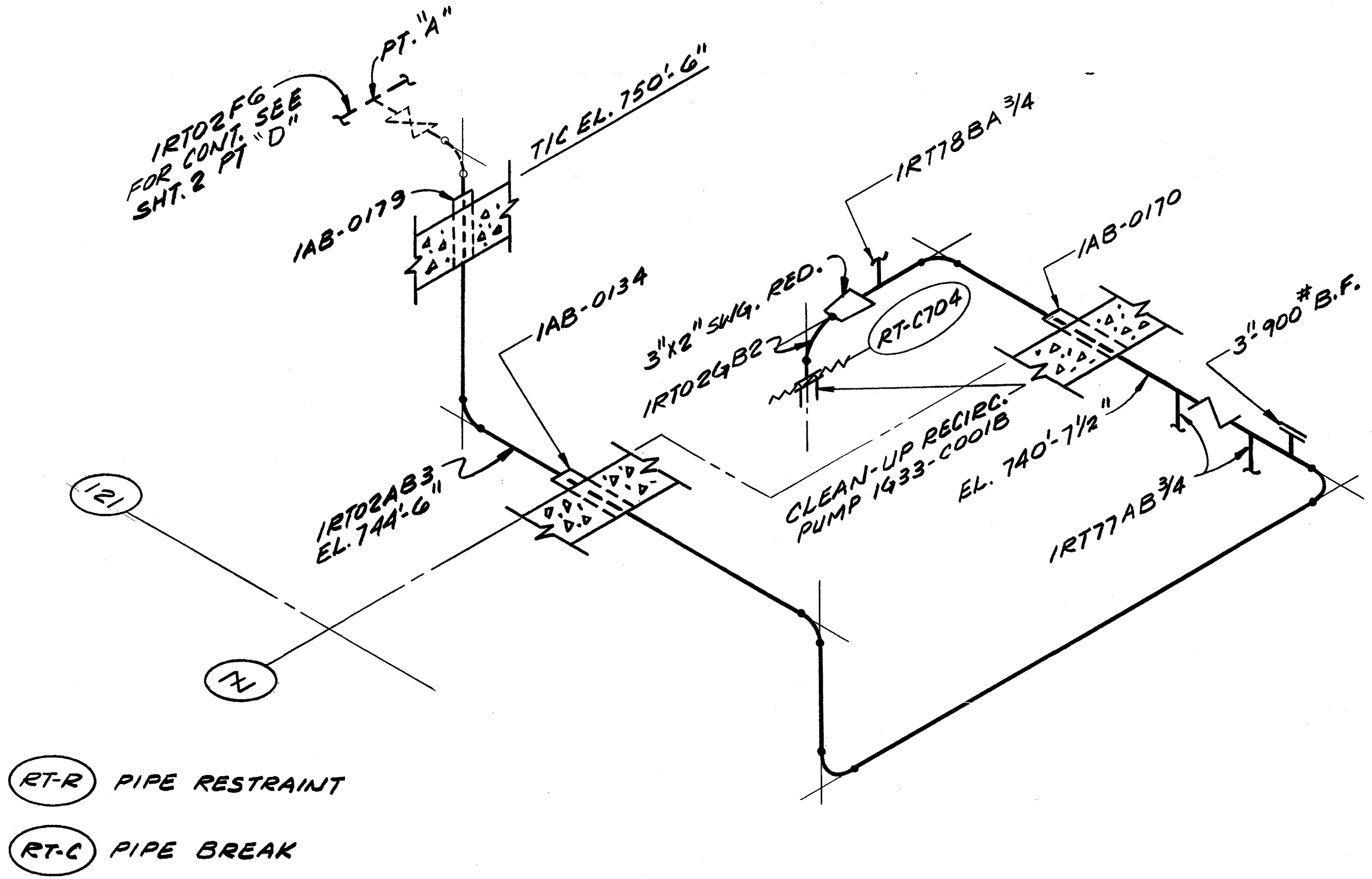
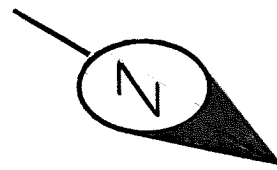
FOR CONT. SEE  
SHT. 2 PT. "C"



- (RT-R) PIPE RESTRAINT
- (RT-C) PIPE BREAK

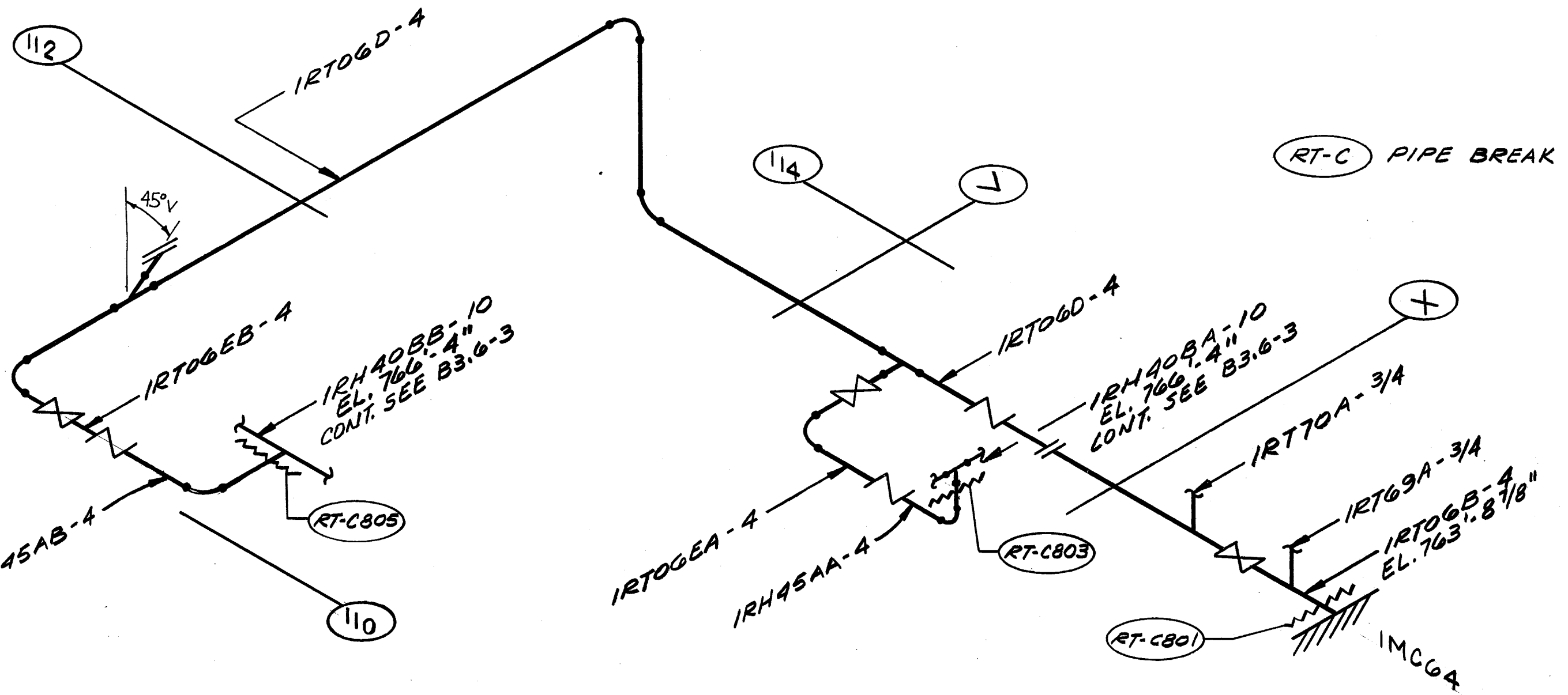
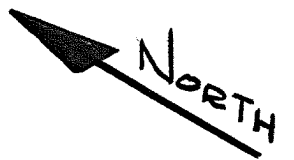
CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.6-27  
 POSTULATED BREAKS AND RESTRAINT  
 LOCATIONS RCU SUBSYSTEM  
 RT-07 OUTSIDE CINTAINMENT  
 (SHEET 3 OF 4)



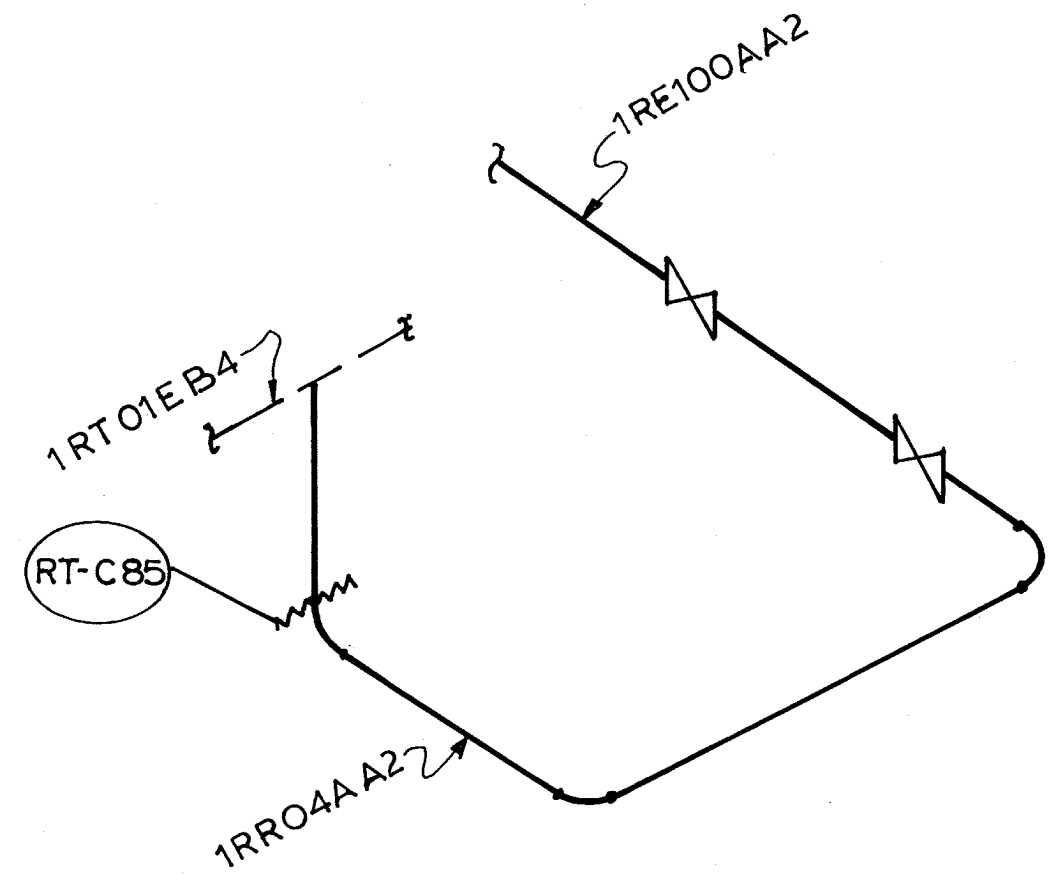
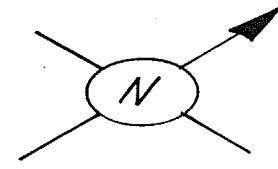
CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.6-27  
POSTULATED BREAKS AND RESTRAINT  
LOCATIONS RWCU SUBSYSTEM  
RT-07-OUTSIDE CONTAINMENT  
(SHEET 4 OF 4)



CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

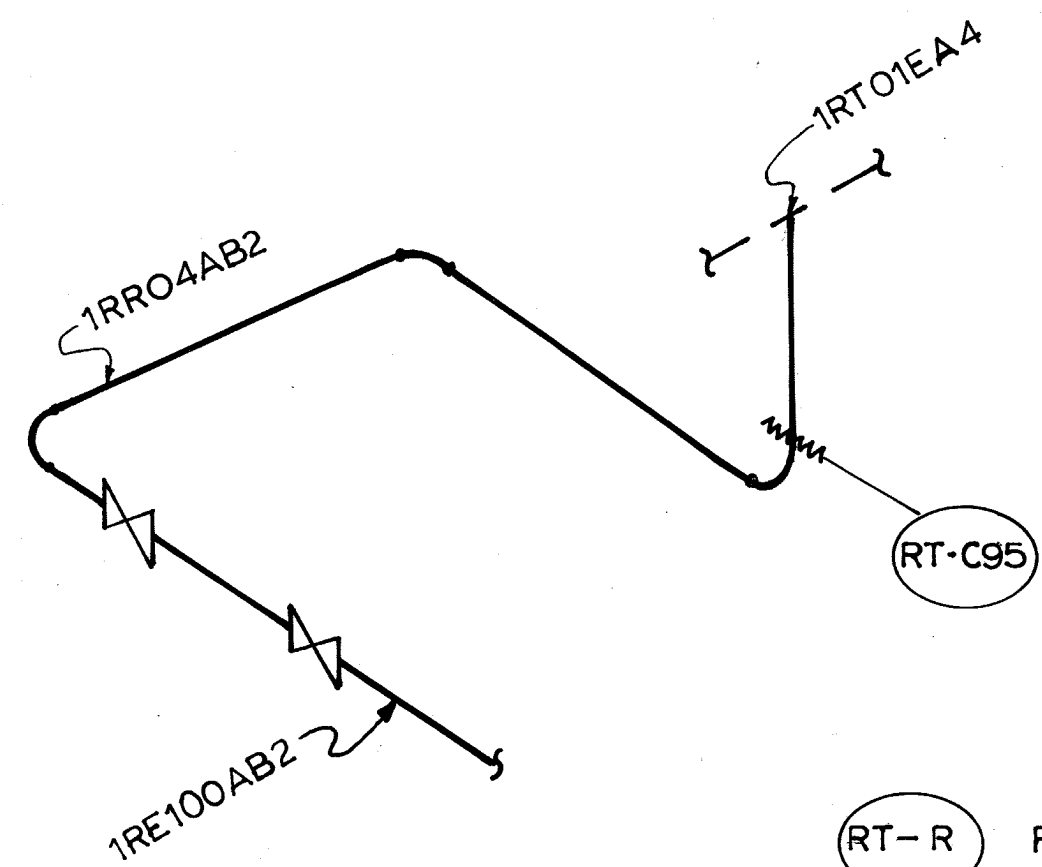
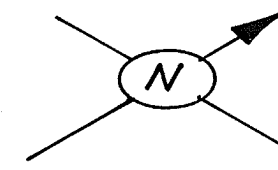
FIGURE B3.6-28  
 POSTULATED BREAKS AND RESTRAINT  
 LOCATIONS RWCU SUBSYSTEM  
 RT-08 OUTSIDE CONTAINMENT



(RT-R) PIPE RESTRAINT  
(RT-C) PIPE BREAK

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FIGURE B3.6-29  
POSTULATED BREAKS AND RESTRAINT  
LOCATIONS RWCU DRAIN SUBSYSTEM  
RR-32 INSIDE CONTAINMENT.

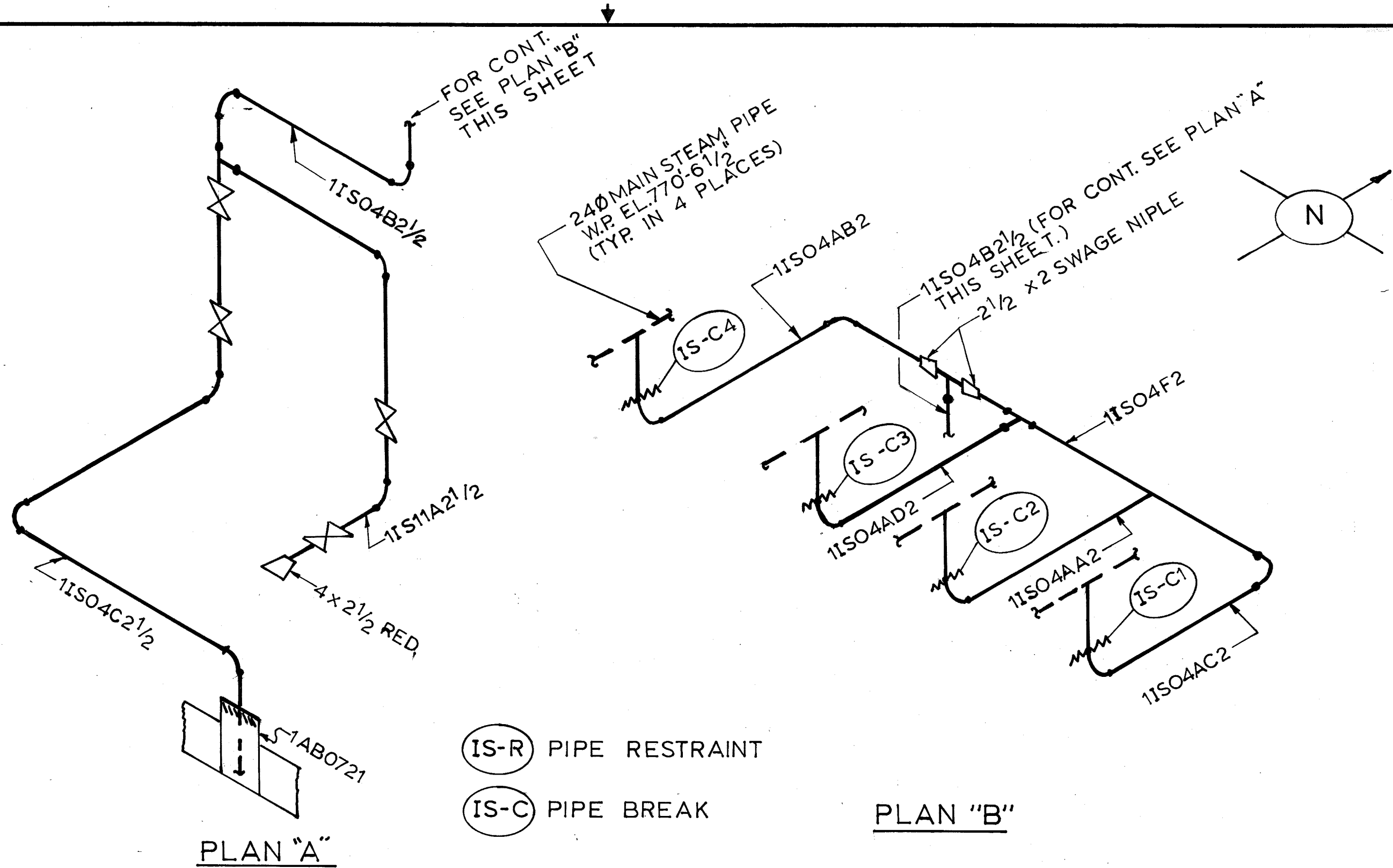


(RT-R) PIPE RESTRAINT  
(RT-C) PIPE BREAK

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

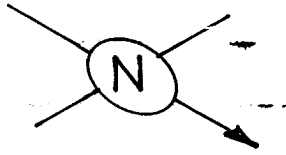
FIGURE B3.6-30  
POSTULATED BREAKS AND RESTRAINT  
LOCATIONS RWCU DRAIN SUBSYSTEM  
RR-33 INSIDE CONTAINMENT





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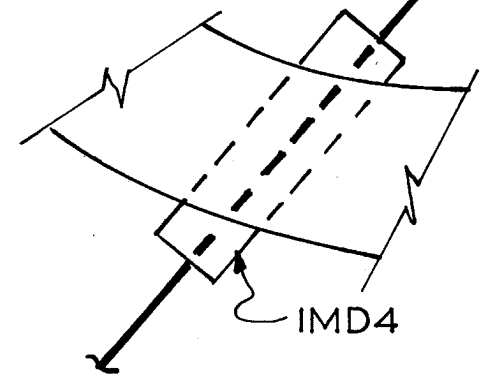
FIGURE B3.6-32  
 POSTULATED BREAKS AND RESTRAINT  
 LOCATIONS-MSIV-LEAKAGE CONTROL  
 SUBSYSTEM IS-03 OUTSIDE  
 CONTAINMENT



FOR CONT.  
SEE SHEET 2

PLAN "A"

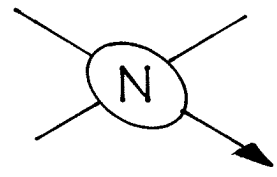
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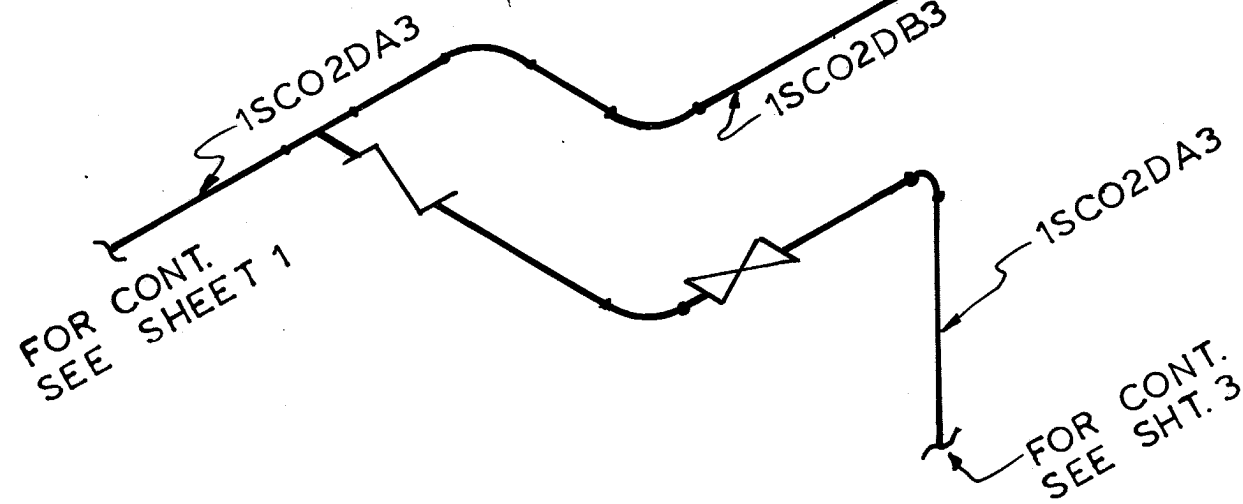
CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.6-33  
POSTULATED BREAKS AND RESTRAINT  
LOCATIONS, SLCS SUBSYSTEM SC-07  
SC-07 INSIDE CONTAINMENT  
(SHEET 1 OF 3)





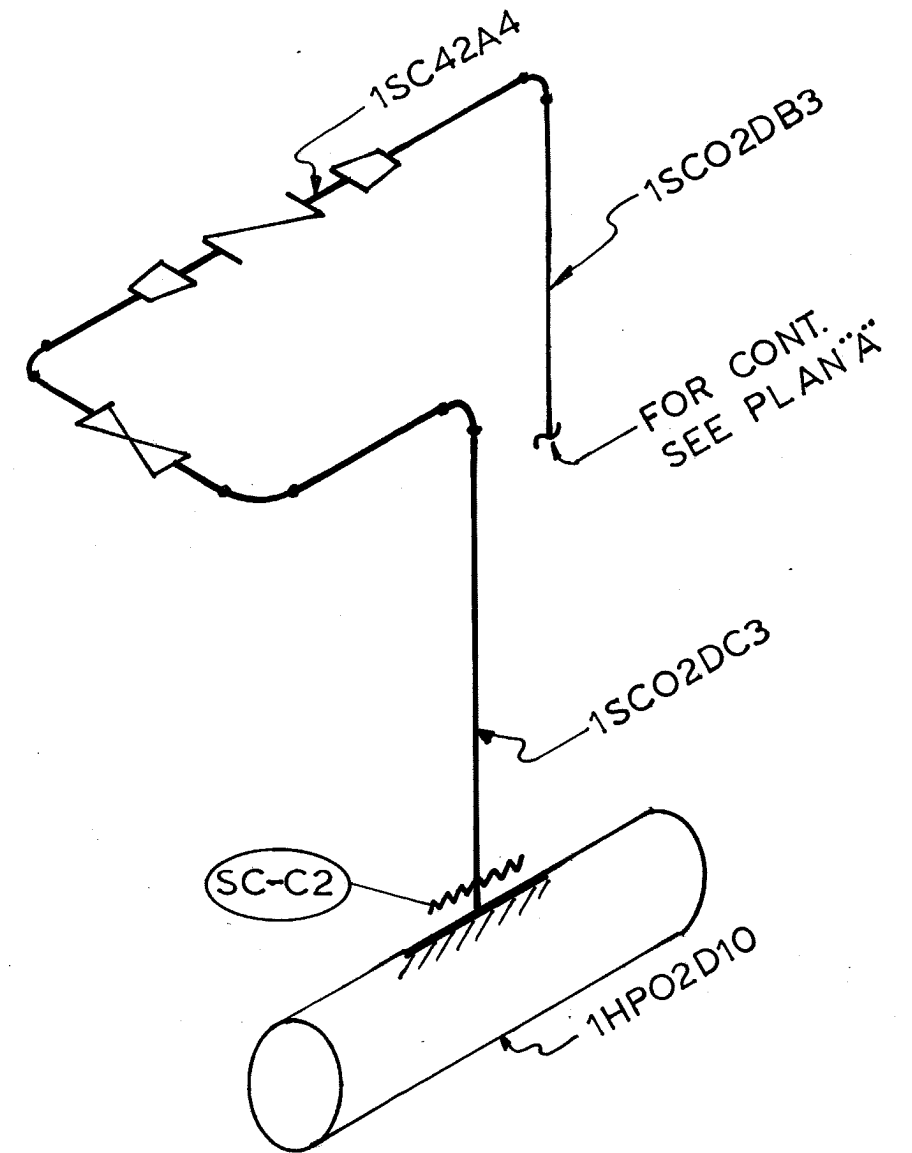
FOR CONT.  
SEE PLAN "B"



PLAN A

(SC-R) PIPE RESTRAINT

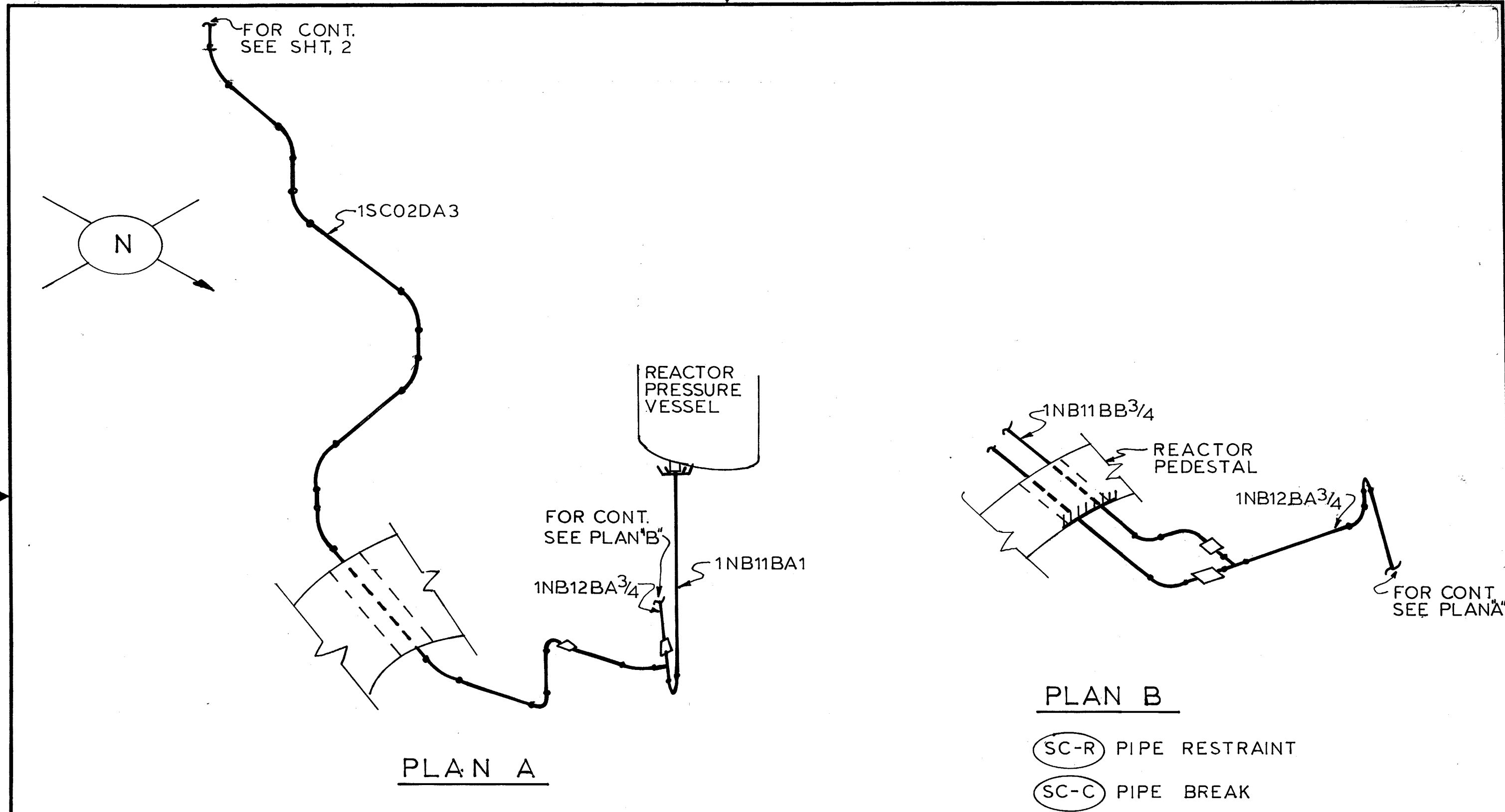
(SC-C) PIPE BREAK



PLAN B

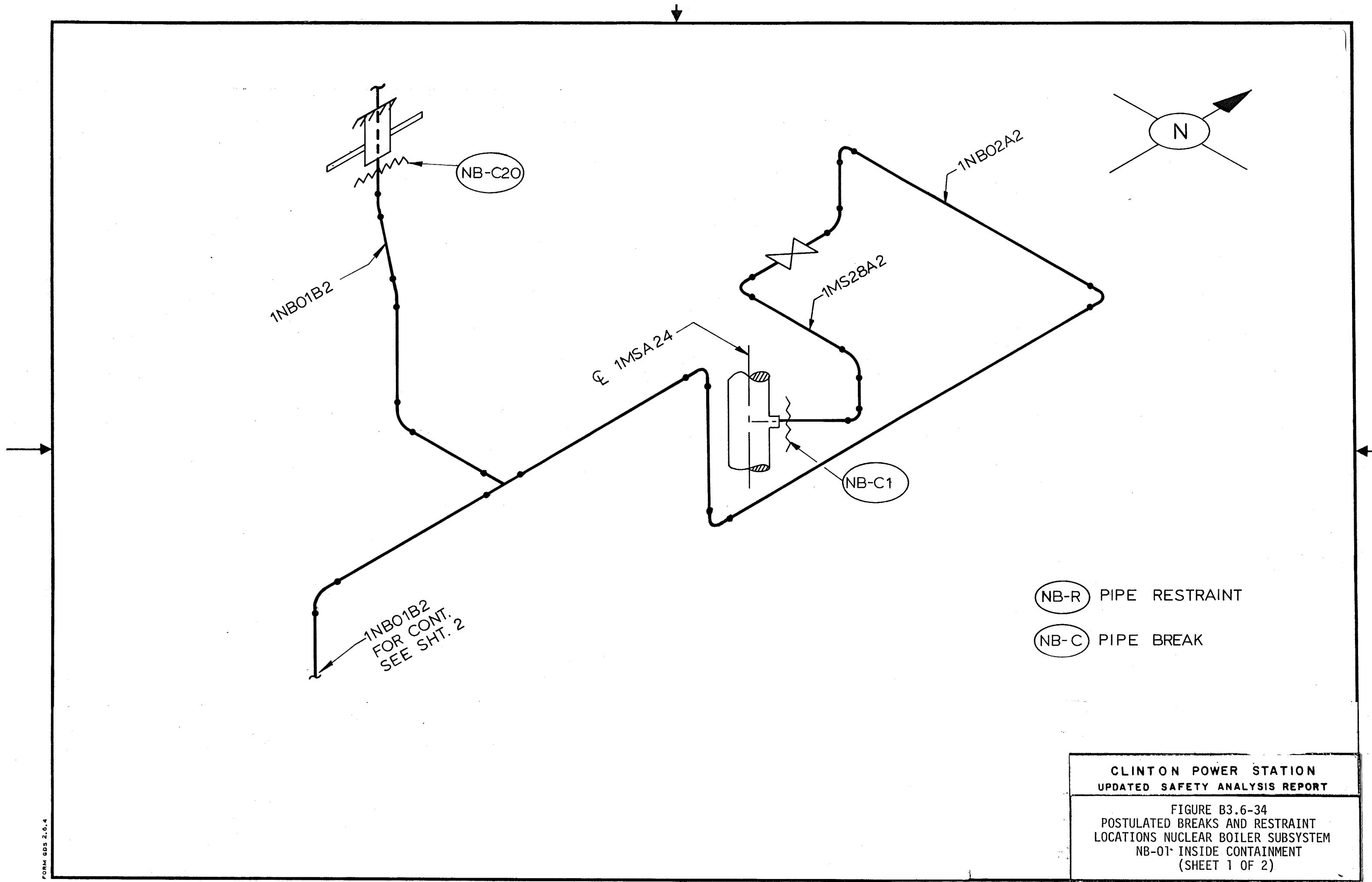
CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.6-33  
POSTULATED BREAKS AND RESTRAINT  
LOCATIONS SLCS SUBSYSTEM SC-07  
SC-07 INSIDE CONTAINMENT  
(SHEET 2 OF 3)



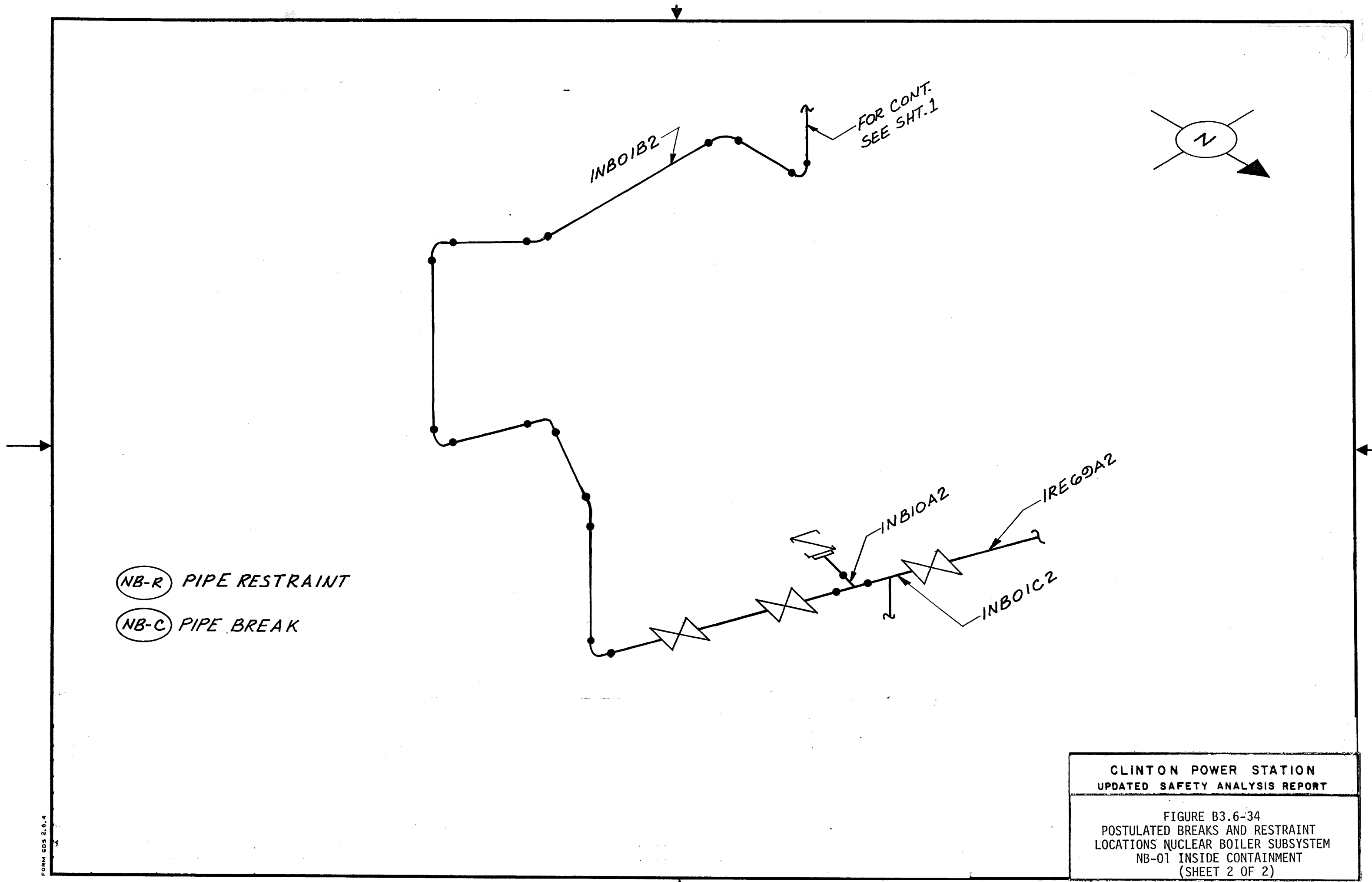
CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

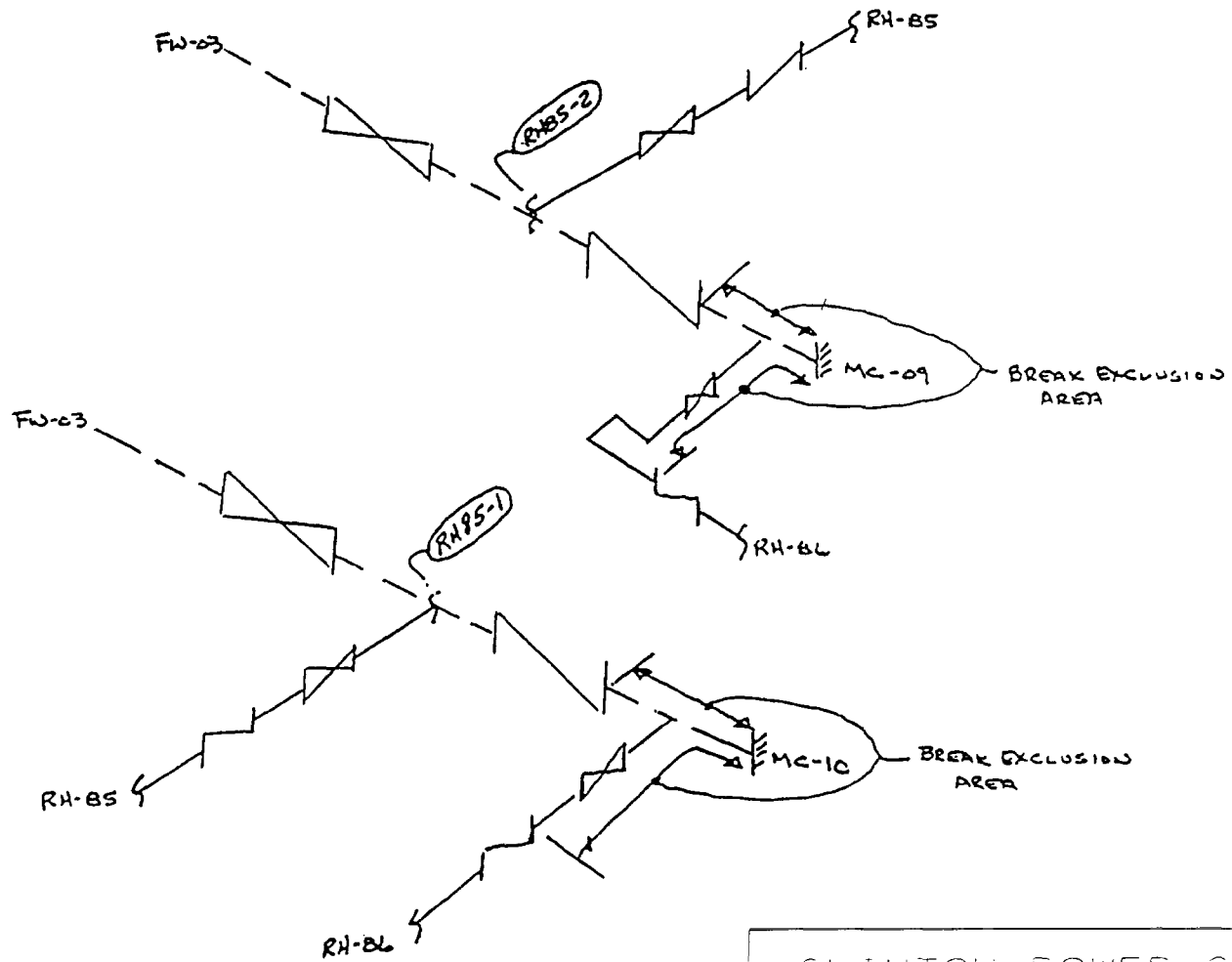
FIGURE B3.6-33  
 POSTULATED BREAKS AND RESTRAINT  
 LOCATIONS. SLCS SUBSYSTEM SC-07  
 SC-07 INSIDE CONTAINMENT  
 (SHEET 3 OF 3)



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FIGURE B3.6-34  
 POSTULATED BREAKS AND RESTRAINT  
 LOCATIONS NUCLEAR BOILER SUBSYSTEM  
 NB-01 INSIDE CONTAINMENT  
 (SHEET 1 OF 2)





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FIGURE B3.6-35  
POSTULATED BREAKS AND  
RESTRAINT LOCATION  
FWLCS SUBSYSTEMS  
RH-85 AND RH-86

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FIGURE D3.6-1

AUXILIARY BUILDING PIPING  
PLAN EL. 707'-6" AREA 1

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FIGURE D3.6-2

AUXILIARY BUILDING PIPING  
PLAN EL. 707'-6" AREA 2

1 11-26-80002

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FIGURE D3.6-3

AUXILIARY BUILDING PIPING  
PLAN EL. 707'-6" AREA 3



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FIGURE D3.6-4

AUXILIARY BUILDING PIPING  
PLAN EL. 707'-6" AREA 4

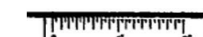
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FIGURE D3.6-5

AUXILIARY BUILDING PIPING  
PLAN EL. 707'-6" AREA 5



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FIGURE D3.6-6

AUXILIARY BUILDING PIPING  
PLAN EL. 737'-0" AREA 1

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FIGURE D3.6-7

AUXILIARY BUILDING PIPING  
PLAN EL. 737'-0" AREA 2

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FIGURE D3.6-8

AUXILIARY BUILDING PIPING  
PLAN EL. 755'-0" AREA 2

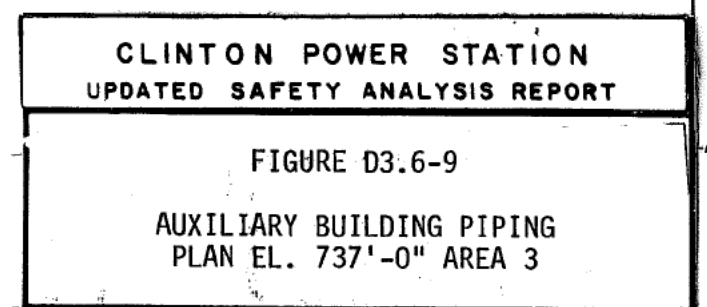
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FIGURE D3.6-9

AUXILIARY BUILDING PIPING  
PLAN EL. 737'-0" AREA 3



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FIGURE D3.6-10

AUXILIARY BUILDING PIPING  
PLAN EL. 737'-0" AREA 4

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FIGURE D3:6-11

AUXILIARY BUILDING PIPING  
PLAN EL. 737'-0" AREA 5



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FIGURE D3.6-12

AUXILIARY BUILDING PIPING  
PLAN EL. 750'-6" AREA 5

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FIGURE D3.6-13

AUXILIARY BUILDING PIPING  
PLAN EL. 762'-0" AREA 1

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FIGURE D3.6-14

AUXILIARY BUILDING PIPING  
PLAN EL. 762'-0" AREA 2

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FIGURE D3.6-15

AUXILIARY BUILDING PIPING  
PLAN EL. 762'-0" AREA 3

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FIGURE D3.6-16

AUXILIARY BUILDING PIPING  
PLAN EL. 762'-0" AREA 4

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FIGURE D3.6-17

AUXILIARY BUILDING PIPING  
PLAN EL. 762'-0" AREA 5

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FIGURE D3.6-18

AUXILIARY BUILDING PIPING  
MISC. EL. 707'-6" AREA 2

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FIGURE D3.6-19  
FUEL BUILDING PIPING PLAN  
EL. 712'-0" AREA 1



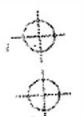
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FIGURE D3.6-20

FUEL BUILDING PIPING PLAN  
EL. 712'-0" AREA 2

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FIGURE D3.6-21

FUEL BUILDING PIPING PLAN  
EL. 712'-0" AREA 3



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FIGURE D3.6-22

FUEL BUILDING PIPING PLAN  
EL. 712'-0" AREA 5

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*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-23

FUEL BUILDING PIPING PLAN  
EL. 712'-0" AREA 6

*Security - Related Information Withheld Under 10 CFR 2.390*

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CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-24 FUEL BUILDING PIPING PLAN EL. 712'-0" AREA 5

*Security - Related Information Withheld Under 10 CFR 2.390*


*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-25
FUEL BUILDING PIPING PLAN EL. 712'-0" AREA 8

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*


CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-26
FUEL BUILDING PIPING PLAN EL. 737'-0" AREA 1



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*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-27
FUEL BUILDING PIPING PLAN EL. 737'-0" AREA 2





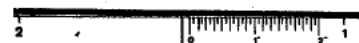
*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-28

FUEL BUILDING PIPING PLAN  
EL. 737'-0" AREA 3



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*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-29
FUEL BUILDING PIPING PLAN EL. 737'-0" AREA 5

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*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-30 FUEL BUILDING PIPING PLAN EL. 737'-0" AREA 6

*Security - Related Information Withheld Under 10 CFR 2.390*

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*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-31 FUEL BUILDING PIPING PLAN EL. 737'-0" AREA 7



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CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-32 FUEL BUILDING PIPING PLAN EL. 737'-0" AREA 8



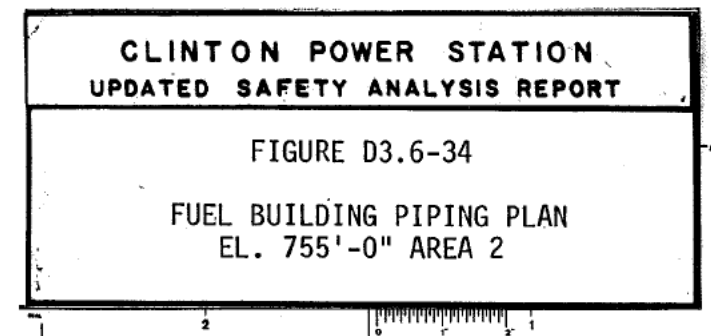
*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-33 FUEL BUILDING PIPING PLAN EL. 755'-0" AREA 1

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*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-35 FUEL BUILDING PIPING PLAN EL. 755'-0" AREA 3



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CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-36 FUEL BUILDING PIPING PLAN EL. 755'-0" AREA 4

1 2 3 4 5 6 7 8 9 10 11 12

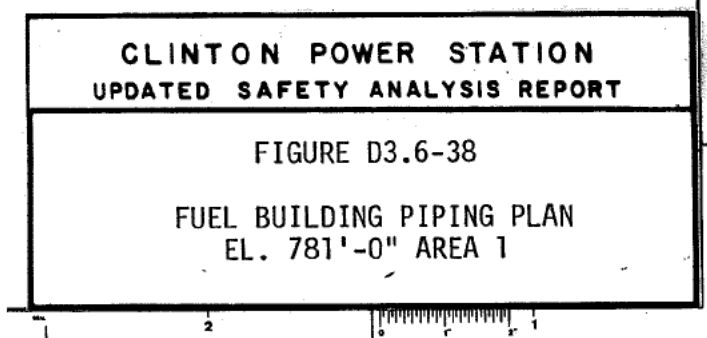
*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-37 FUEL BUILDING PIPING PLAN EL. 755'-0" AREA 5

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*



*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-39 FUEL BUILDING PIPING PLAN EL. 781'-0" AREA 2

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-40 FUEL BUILDING PIPING PLAN EL. 781'-0" AREA 3

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*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-41
DIESEL GENERATOR AND HVAC BUILDING PIPING PLAN EL. 702'-0"

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

<p>CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT</p>
<p>FIGURE D3.6-42</p>
<p>DIESEL GENERATOR AND HVAC BUILDING PIPING PLAN EL. 702'-0"</p>

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-43
DIESEL GENERATOR AND HVAC BUILDING PIPING PLAN EL. 702'-0"



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*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-44 DIESEL GENERATOR AND HVAC BUILDING PIPING PLAN EL. 712'-0"

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-45

DIESEL GENERATOR AND HVAC BUILDING  
PIPING PLAN EL. 712'-0"

*Security - Related Information Withheld Under 10 CFR 2.390*

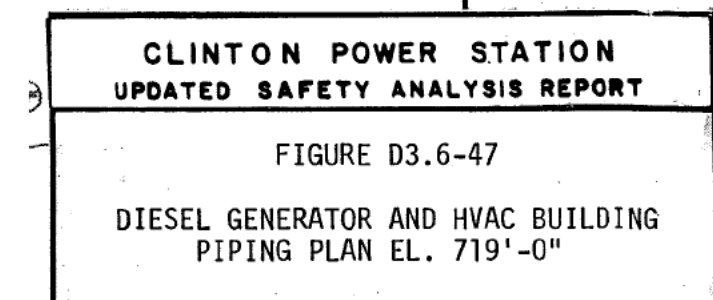
*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-46

DIESEL GENERATOR AND HVAC BUILDING  
PIPING PLAN EL. 712'-0"

*Security - Related Information Withheld Under 10 CFR 2.390*



*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

<b>CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT</b>
FIGURE D3.6-48 DIESEL GENERATOR AND HVAC BUILDING PIPING PLAN EL. 719'-0"

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-49

DIESEL GENERATOR AND HVAC BUILDING  
PIPING PLAN EL. 719'-0"

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

<p>CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT</p>
<p>FIGURE D3.6-50 DIESEL GENERATOR AND HVAC BUILDING PIPING PLAN EL. 719'-0"</p>

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

<p><b>CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT</b></p>
<p>FIGURE D3.6-51</p>
<p>DIESEL GENERATOR AND HVAC BUILDING PIPING PLAN EL. 719'-0"</p>



*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

<b>CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT</b>
FIGURE D3.6-52 DIESEL GENERATOR AND HVAC BUILDING PIPING PLAN EL. 719'-0"



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REV. 2 SEPT. 1991

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-53

DIESEL GENERATOR AND HVAC BUILDING  
PIPING PLAN EL. 737'-0"

*Security - Related Information Withheld Under 10 CFR 2.390*

REV. 3 SEPT. 1991

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-54 DIESEL GENERATOR AND HVAC BUILDING PIPING PLAN EL. 737'-0"

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-55
DIESEL GENERATOR AND HVAC BUILDING PIPING PLAN EL. 737'-0"

***Security - Related Information Withheld Under 10 CFR 2.390***

***Security - Related Information Withheld Under 10 CFR 2.390***

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-56 DIESEL GENERATOR AND HVAC BUILDING PIPING PLAN EL. 737'-0"

*Security - Related Information Withheld Under 10 CFR 2.390*

REV 2 SEPT 1991

*Security - Related Information Withheld Under 10 CFR 2.390*

<p>CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT</p>
<p>FIGURE D3.6-57</p>
<p>DIESEL GENERATOR AND HVAC BUILDING PIPING PLAN EL. 737'-0"</p>

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

<p>CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT</p>
<p>FIGURE D3.6-58 DIESEL GENERATOR AND HVAC BUILDING PIPING PLAN EL. 762'-0"</p>

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-59 DIESEL GENERATOR AND HVAC BUILDING PIPING PLAN EL. 762'-0"



*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-60 DIESEL GENERATOR AND HVAC BUILDING PIPING PLAN EL. 762'-0"

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-61 CONTROL BUILDING PIPING PLAN EL. 702'-0"

*Security - Related Information Withheld Under 10 CFR 2.390*

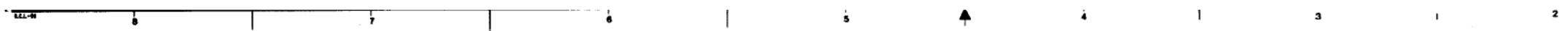
*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-62 CONTROL BUILDING PIPING PLAN EL. 702'-0"

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-63 CONTROL BUILDING PIPING PLAN EL. 702'-0"



*Security - Related Information Withheld Under 10 CFR 2.390*

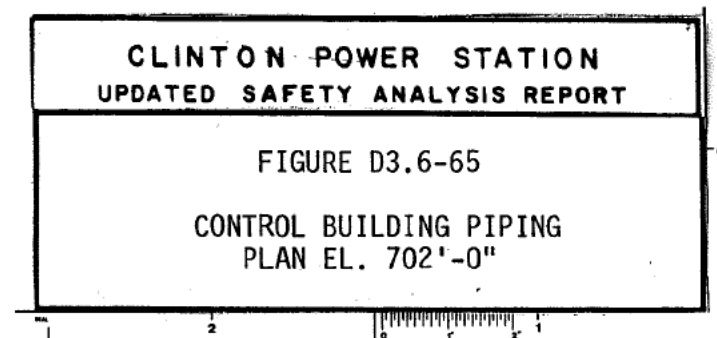
*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-64
CONTROL BUILDING PIPING PLAN EL. 702'-0"

1 2 10 11 12 13 14 15 16 17 18 19 20

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*



*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-66 CONTROL BUILDING PIPING PLAN EL. 702'-0"

1 2 10 2 1

*Security - Related Information Withheld Under 10 CFR 2.390*

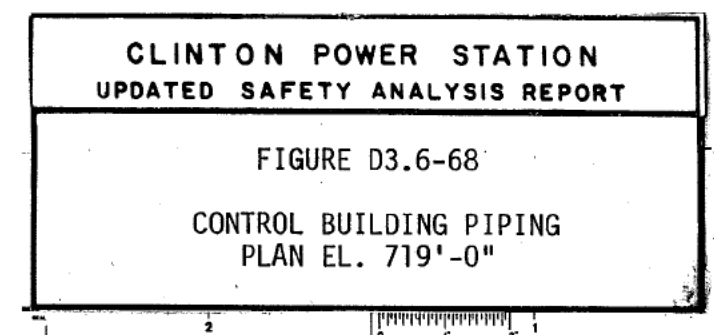
*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-67
CONTROL BUILDING PIPING PLAN EL. 712'-0"



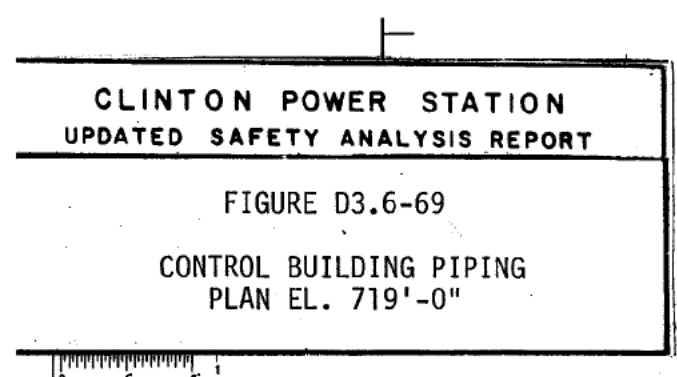
*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*



*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*



*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-70 CONTROL BUILDING PIPING PLAN EL. 719'-0"

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*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-71 CONTROL BUILDING PIPING PLAN EL. 719'-0"

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*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-72 CONTROL BUILDING PIPING PLAN EL. 719'-0"

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-73 CONTROL BUILDING PIPING PLAN EL. 737'-0"

*Security - Related Information Withheld Under 10 CFR 2.390*

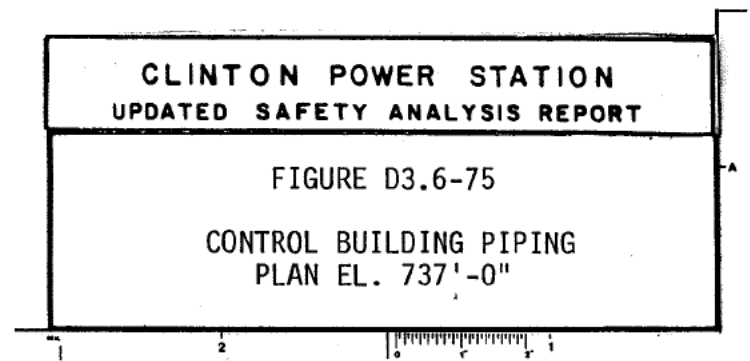
*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-74 CONTROL BUILDING PIPING PLAN EL. 751'-0"

1 2 10 2 1

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*





*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-76 CONTROL BUILDING PIPING PLAN EL. 751'-0"

1 2 10 2 1

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-77 CONTROL BUILDING PIPING PLAN EL. 737'-0"

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

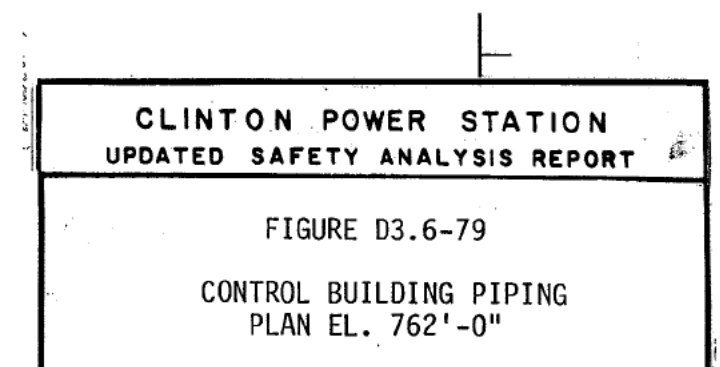
CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-78

CONTROL BUILDING PIPING  
PLAN EL. 751'-0"

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*



*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-80 CONTROL BUILDING PIPING PLAN EL. 762'-0"

1 2 10 1 1

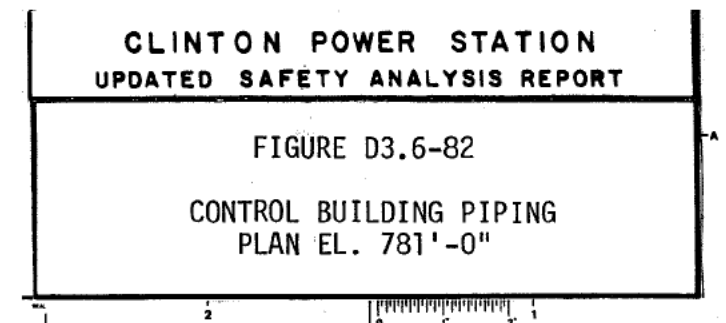
*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-81 CONTROL BUILDING PIPING PLAN EL. 762'-0"

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*Security - Related Information Withheld Under 10 CFR 2.390*



*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-83 CONTROL BUILDING PIPING PLAN EL. 781'-0"





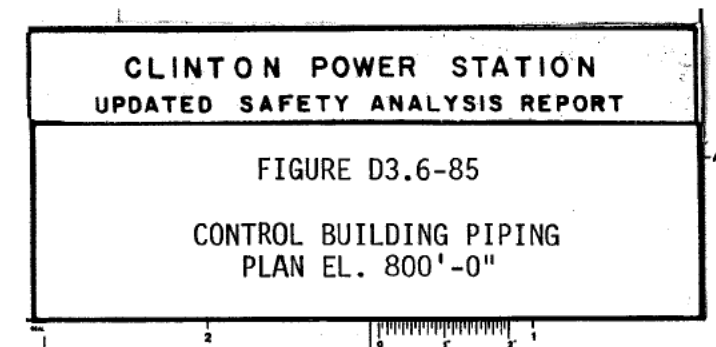
*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-84 CONTROL BUILDING PIPING PLAN EL. 781'-0"

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*Security - Related Information Withheld Under 10 CFR 2.390*



*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-86 CONTROL BUILDING PIPING PLAN EL. 800'-0"

1 2 10 2 1

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-87 CONTROL BUILDING PIPING PLAN EL. 800'-0"

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-88 CONTAINMENT PIPING PLAN FLOOR EL. 712'-0"

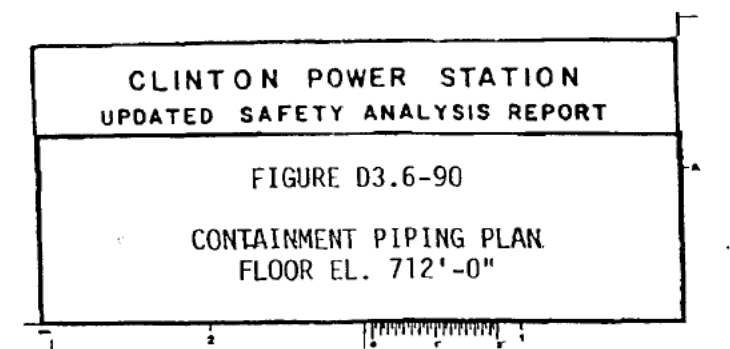
*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-89 DRYWELL PIPING PLAN FLOOR EL. 712'-0"

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*Security - Related Information Withheld Under 10 CFR 2.390*



***Security - Related Information Withheld Under 10 CFR 2.390***

***Security - Related Information Withheld Under 10 CFR 2.390***


CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-91 DRYWELL PIPING PLAN FLOOR EL. 712'-0"



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*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-92 CONTAINMENT PIPING PLAN FLOOR EL. 712'-0"



*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-93 DRYWELL PIPING PLAN FLOOR EL. 712'-0"

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-94

CONTAINMENT PIPING PLAN  
FLOOR EL. 712'-0"

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1

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

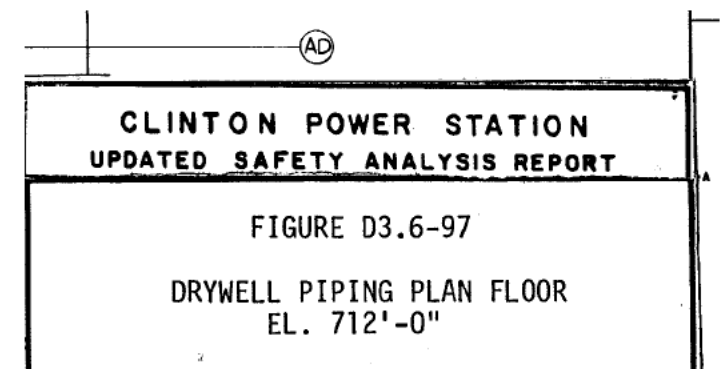
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-95 DRYWELL PIPING PLAN FLOOR EL. 712'-0"

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-96 CONTAINMENT PIPING PLAN FLOOR EL. 712'-0"

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*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-98
CONTAINMENT PIPING PLAN FLOOR EL. 712'-0"

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*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-99 DRYWELL PIPING PLAN FLOOR EL. 712'-0"



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*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-100

CONTAINMENT PIPING PLAN  
FLOOR EL. 737'-0"

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*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-101  
DRYWELL PIPING PLAN FLOOR  
EL. 737'-0"

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-102 CONTAINMENT PIPING PLAN FLOOR EL. 737'-0"

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*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-103

DRYWELL PIPING PLAN FLOOR  
EL. 737'-0"

1001-024

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CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-104 CONTAINMENT PIPING PLAN FLOOR EL. 737'-0"

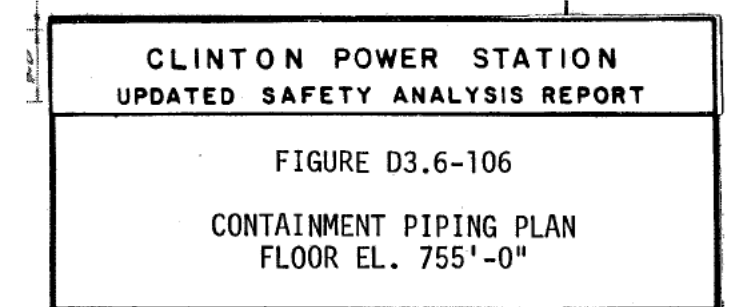
*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-105 DRYWELL PIPING PLAN FLOOR EL. 737'-0"

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*



*Security - Related Information Withheld Under 10 CFR 2.390*

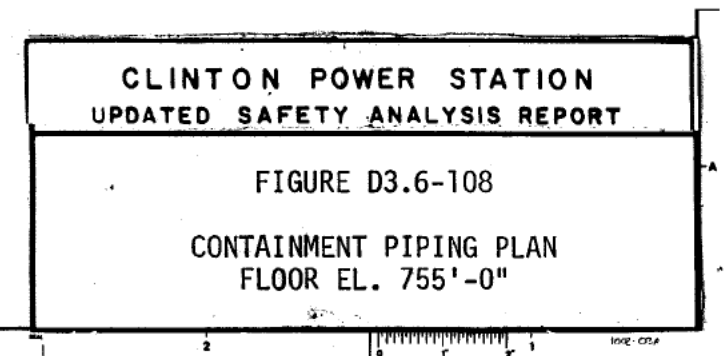
*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-107 DRYWELL PIPING PLAN FLOOR EL. 755'-0"



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*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-109  
DRYWELL PIPING PLAN FLOOR  
EL. 755'-0"



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CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-110 CONTAINMENT PIPING PLAN FLOOR EL. 755'-0"

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-111 DRYWELL PIPING PLAN FLOOR EL. 755'-0"

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-112 CONTAINMENT PIPING PLAN FLOOR EL. 764'-0"

1002-00

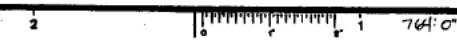
*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-113

DRYWELL PIPING PLAN FLOOR  
EL. 764'-0"



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CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-114 CONTAINMENT PIPING PLAN FLOOR EL. 764'-0"

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*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-115  
DRYWELL PIPING PLAN FLOOR  
EL. 764'-0"



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CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-116 CONTAINMENT PIPING PLAN FLOOR EL. 764'-0"

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*Security - Related Information Withheld Under 10 CFR 2.390*


CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-117 DRYWELL PIPING PLAN FLOOR EL. 764'-0"



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*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-118 CONTAINMENT PIPING PLAN FLOOR EL. 764'-0"



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*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-119 DRYWELL PIPING PLAN FLOOR EL. 764'-0"

*Security - Related Information Withheld Under 10 CFR 2.390*


*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-120 CONTAINMENT PIPING PLAN FLOOR EL. 778'-0"

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-121 DRYWELL PIPING PLAN FLOOR EL. 778'-0"



*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-122 CONTAINMENT PIPING PLAN FLOOR EL. 778'-0"

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-123 DRYWELL PIPING PLAN FLOOR EL. 778'-0"



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*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-124 CONTAINMENT PIPING PLAN FLOOR EL. 778'-0"

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-125 DRYWELL PIPING PLAN FLOOR EL. 778'-0"

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

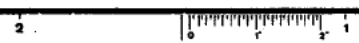
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-126 CONTAINMENT PIPING PLAN FLOOR EL. 778'-0"

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

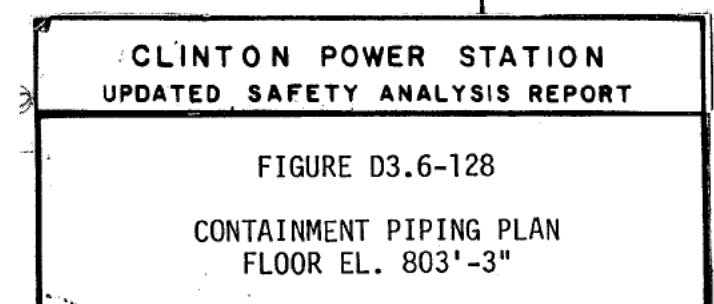
AD

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-127 DRYWELL PIPING PLAN FLOOR EL. 778'-0"



*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*



*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-129  
CONTAINMENT PIPING PLAN  
FLOOR EL. 803'-3"



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CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-130  
CONTAINMENT PIPING PLAN  
FLOOR EL. 803'-3"



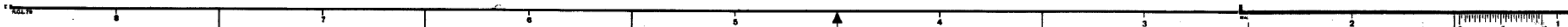
*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-131

CONTAINMENT PIPING PLAN  
FLOOR EL. 803'-3"





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CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE D3.6-132 CONTAINMENT PIPING PLAN FLOOR EL. 803'-3"

100'-0" O/A

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*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-133  
CONTAINMENT PIPING PLAN  
FLOOR EL. 803'-3"

*Security - Related Information Withheld Under 10 CFR 2.390*

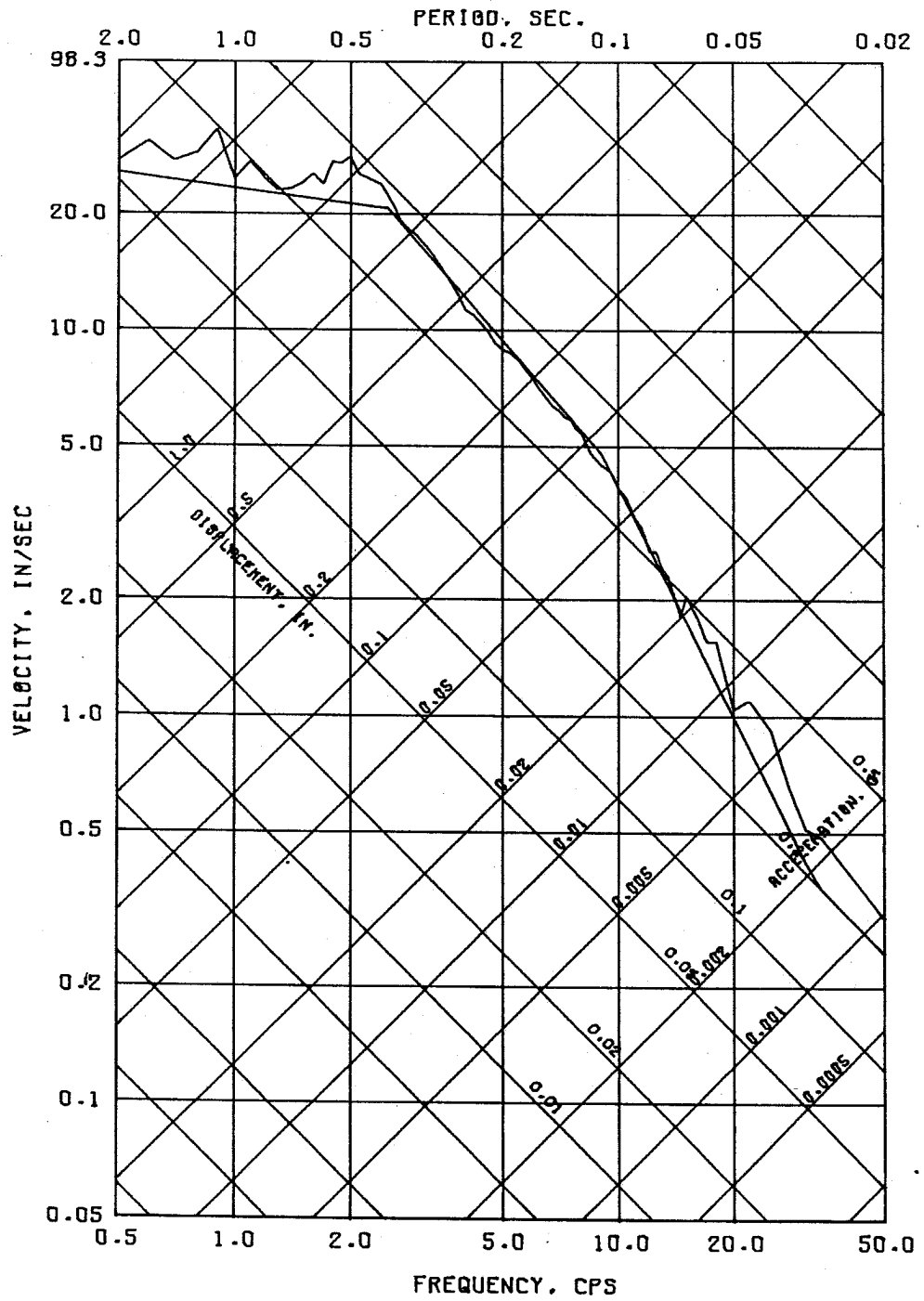
REV. 3 SEPT. 1991

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-134

FLOOD PROTECTION ARRANGEMENT  
OF CIRC. WATER SCREEN HOUSE

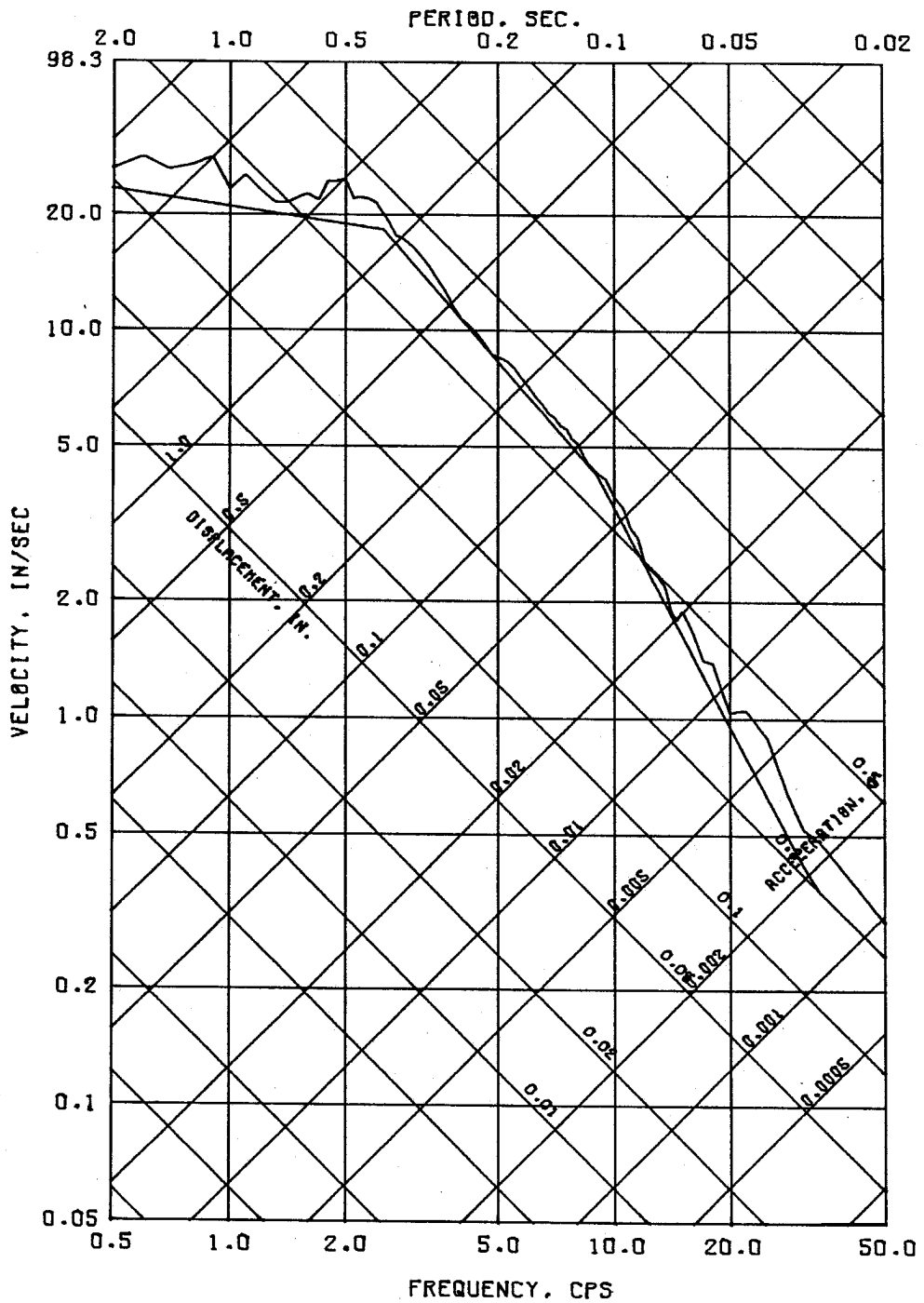


SLH MATCH WITH HORIZ R.G. SPEC 2 PER DAMP

CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-1

HORIZONTAL RESPONSE SPECTRA  
 (2% DAMPING)

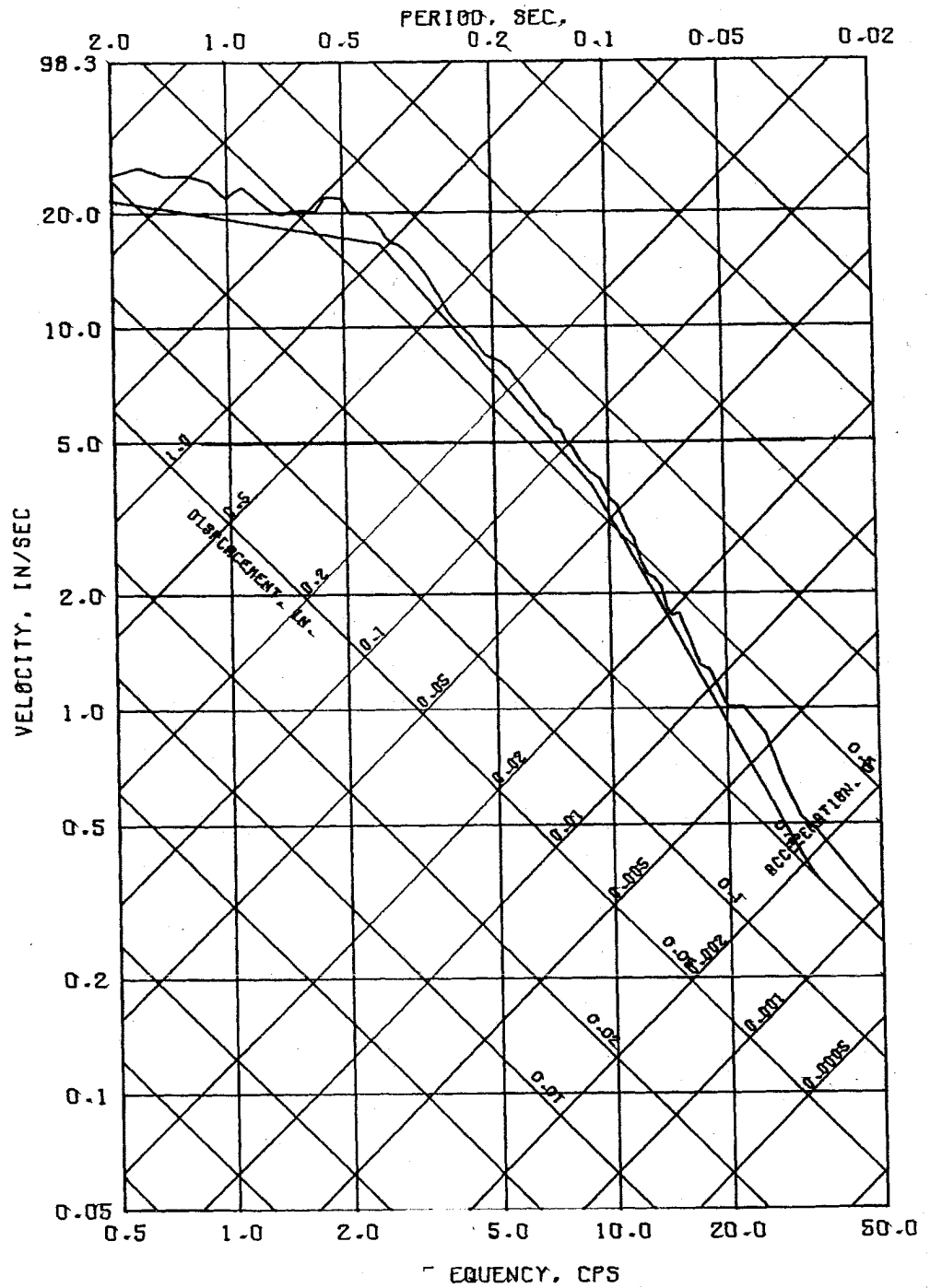


SLH MATCH WITH HORIZ R.G. SPEC 3 PER DAMP

CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-2

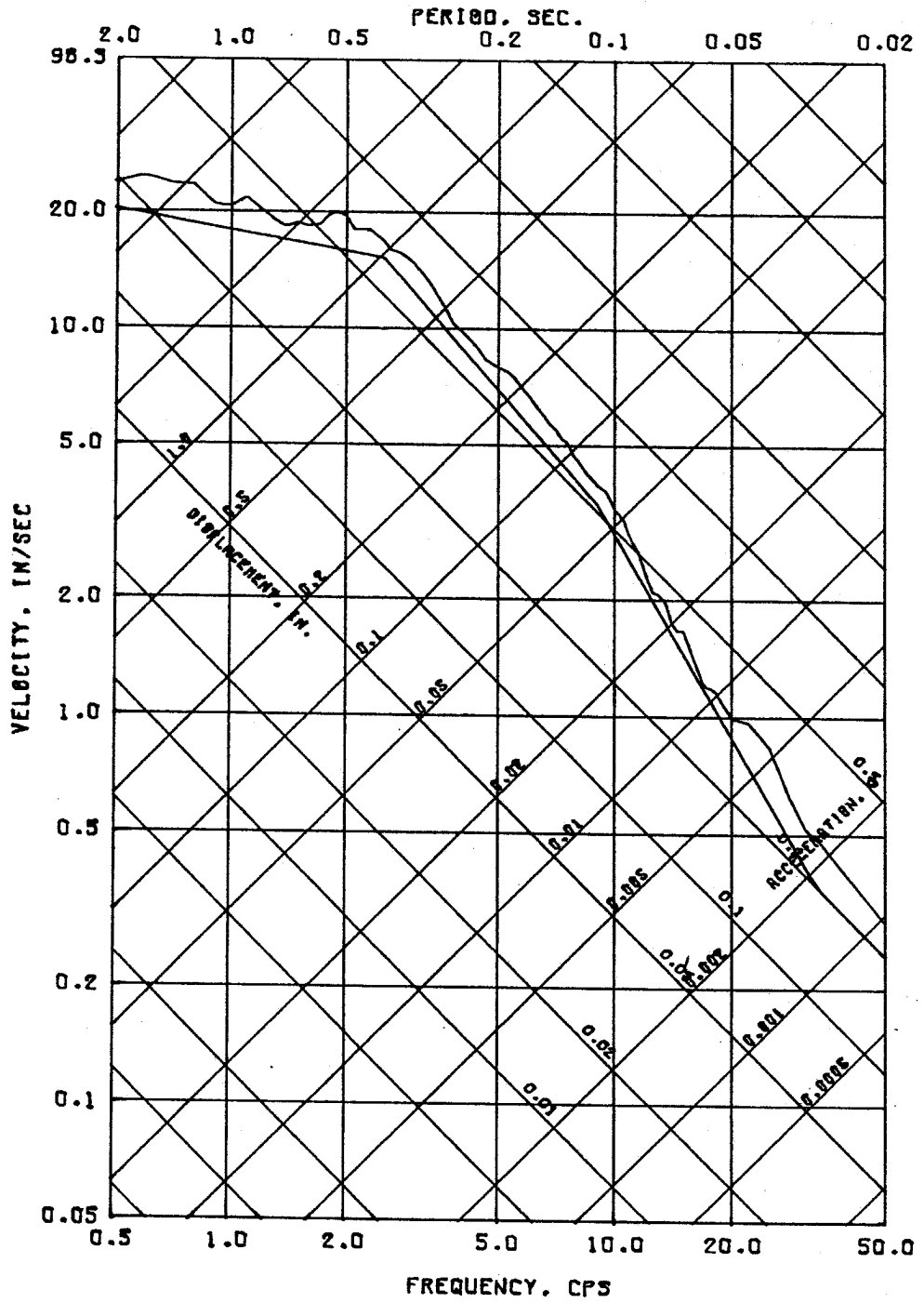
HORIZONTAL RESPONSE SPECTRA  
 (3% DAMPING)



SLH MATCH WITH HORIZ R.G. SPEC 4 PER DAMP

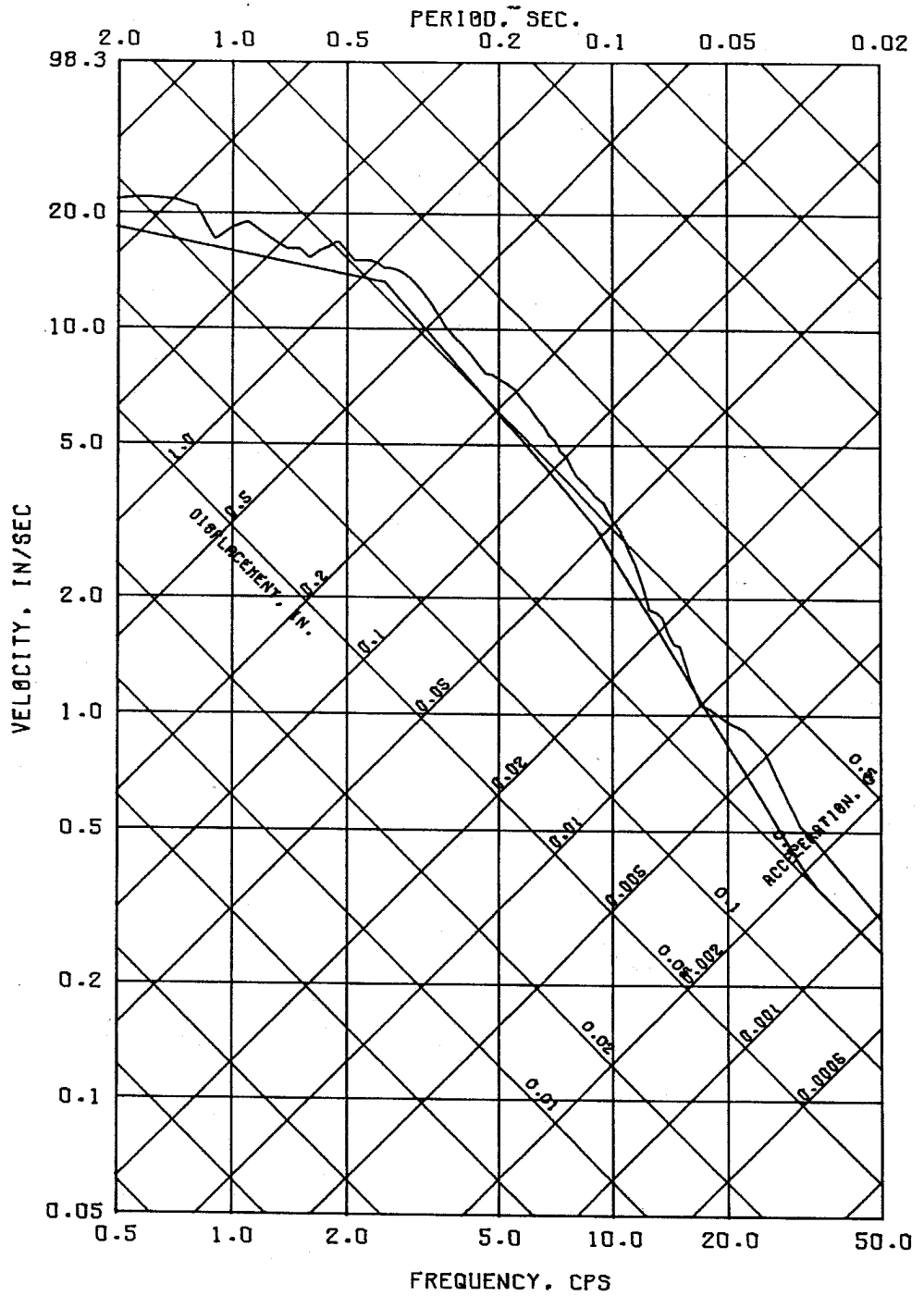
CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-3  
 HORIZONTAL RESPONSE SPECTRA  
 (4% DAMPING)



SLH MATCH WITH HORIZ R.G. SPEC 5 PER DAMP

<p>CLINTON POWER STATION          UPDATED SAFETY ANALYSIS REPORT</p>
<p>FIGURE 3.7-4          HORIZONTAL RESPONSE SPECTRA          (5% DAMPING)</p>



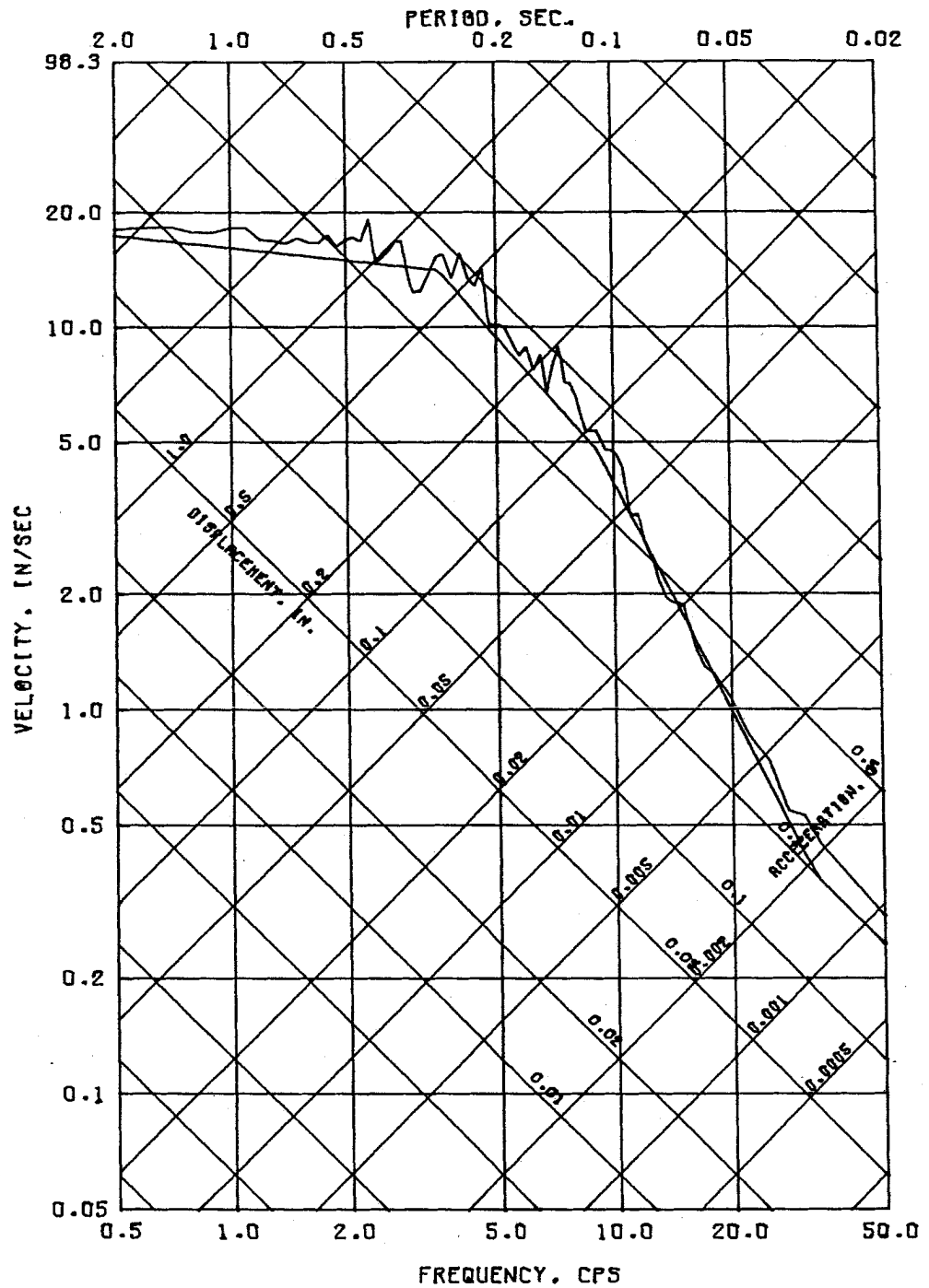
SLH MATCH WITH HORIZ R.G. SPEC 7 PER DAMP

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-5

HORIZONTAL RESPONSE SPECTRA  
(7% DAMPING)



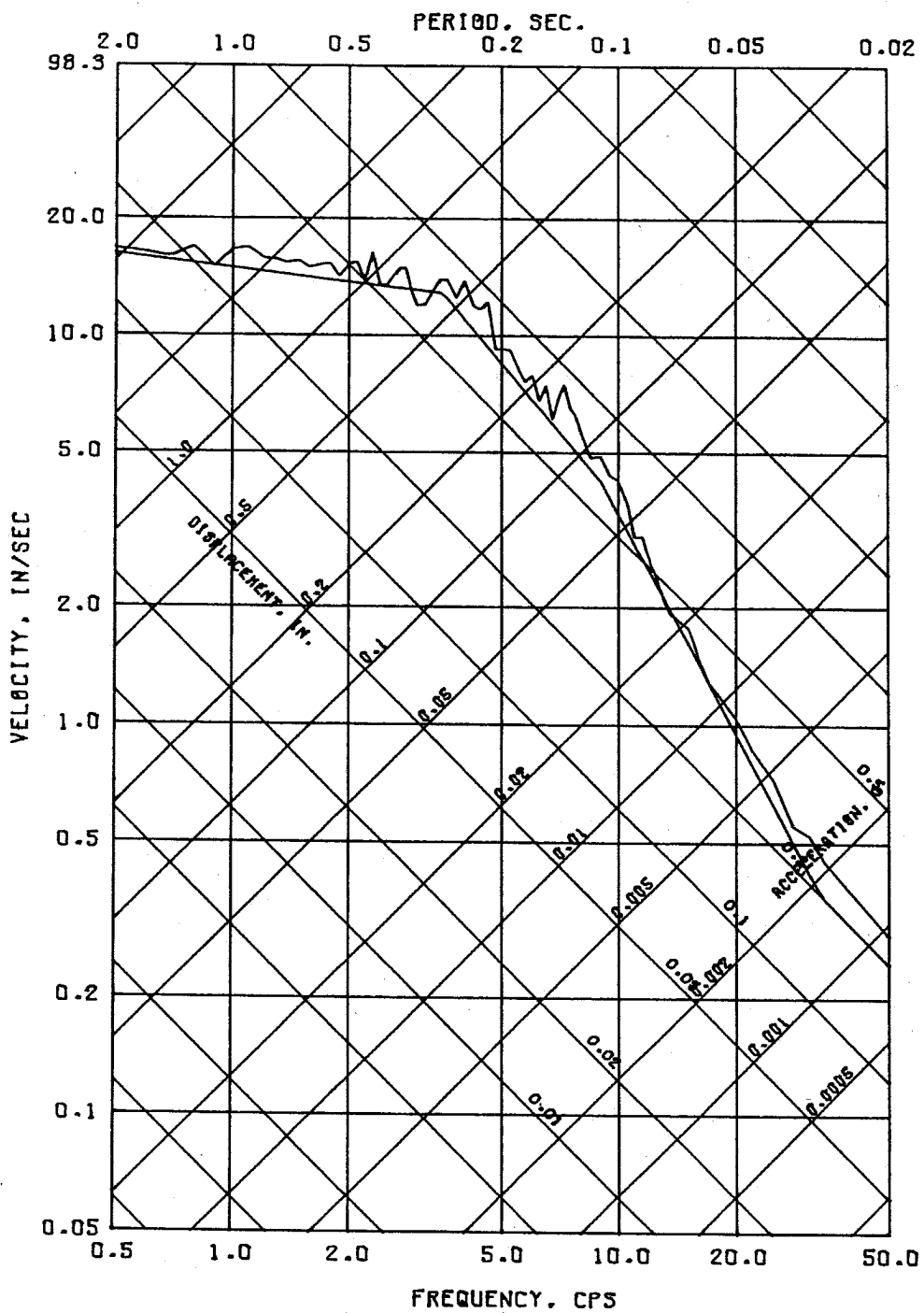


SLV MATCH WITH VERT R.G. SPEC 2 PER DAMP

CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

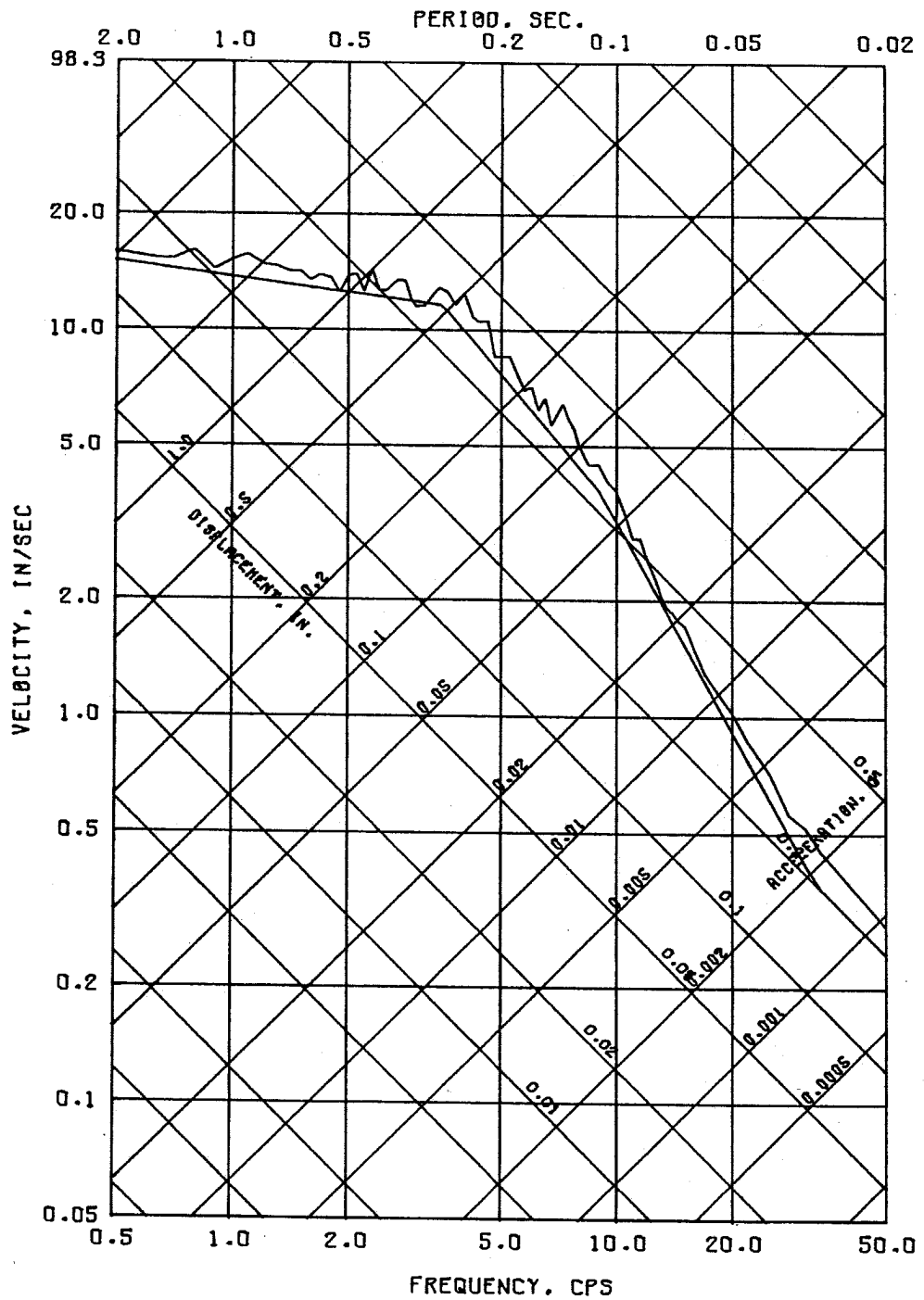
FIGURE 3.7-6

VERTICAL RESPONSE SPECTRA  
 (2% DAMPING)



SLV MATCH WITH VERT R.G. SPEC 3 PER DAMP

<p>CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT</p>
<p>FIGURE 3.7-7 VERTICAL RESPONSE SPECTRA (3% DAMPING)</p>

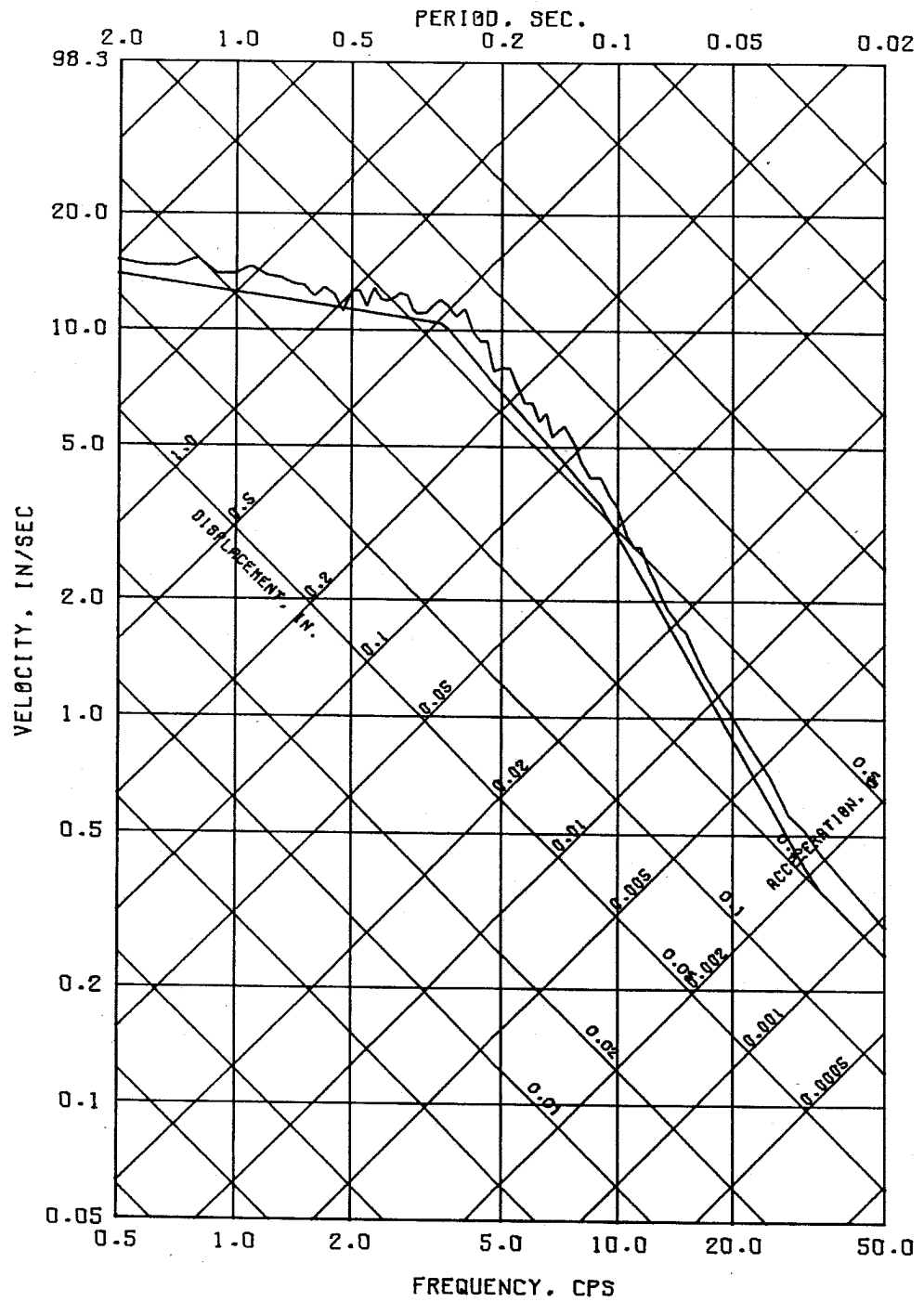


SLV MATCH WITH VERT R.G. SPEC 4 PER DAMP

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-8

VERTICAL RESPONSE SPECTRA  
(4% DAMPING)

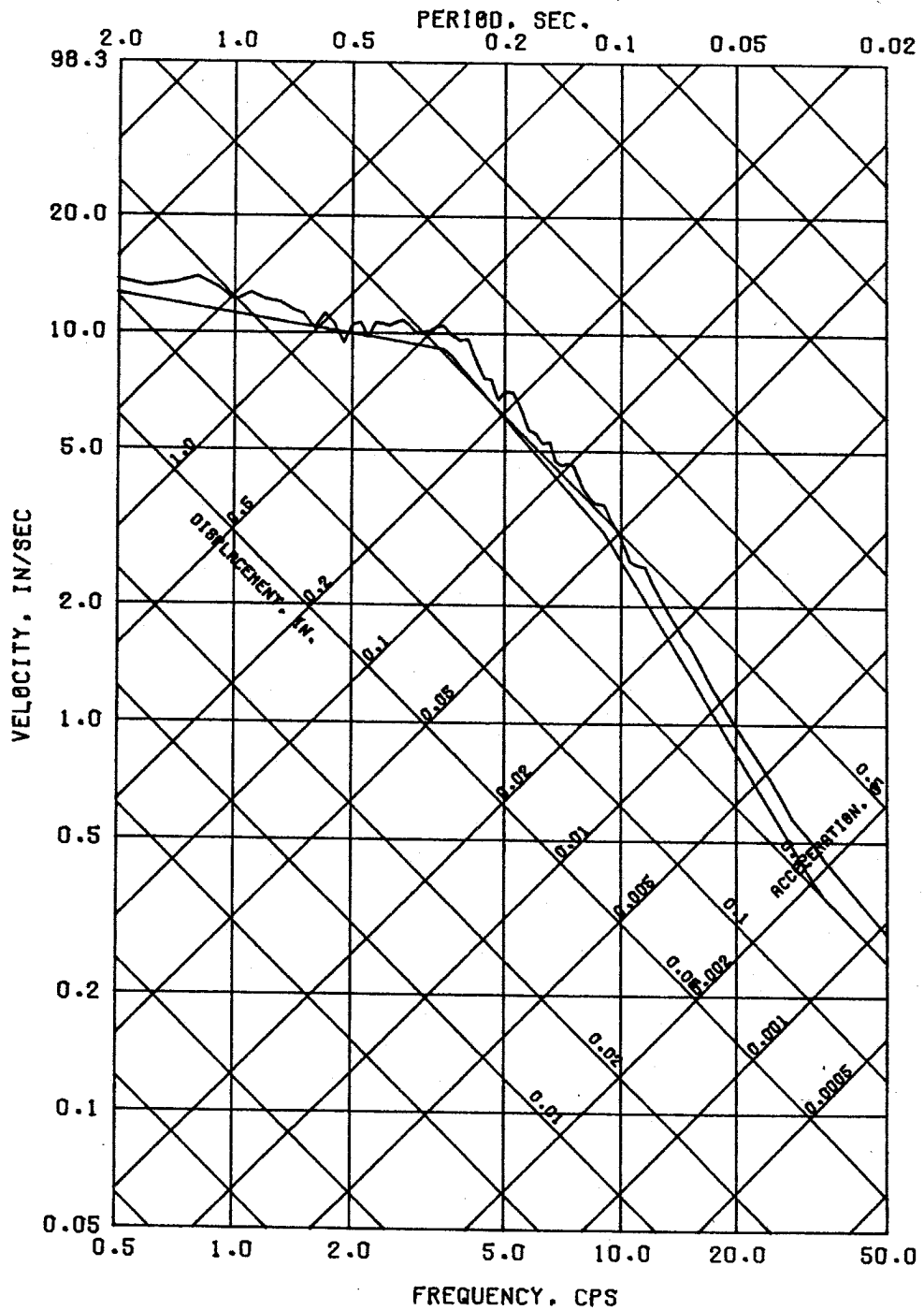


SLV MATCH WITH VERT R.G. SPEC 5 PER DAMP

CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-9

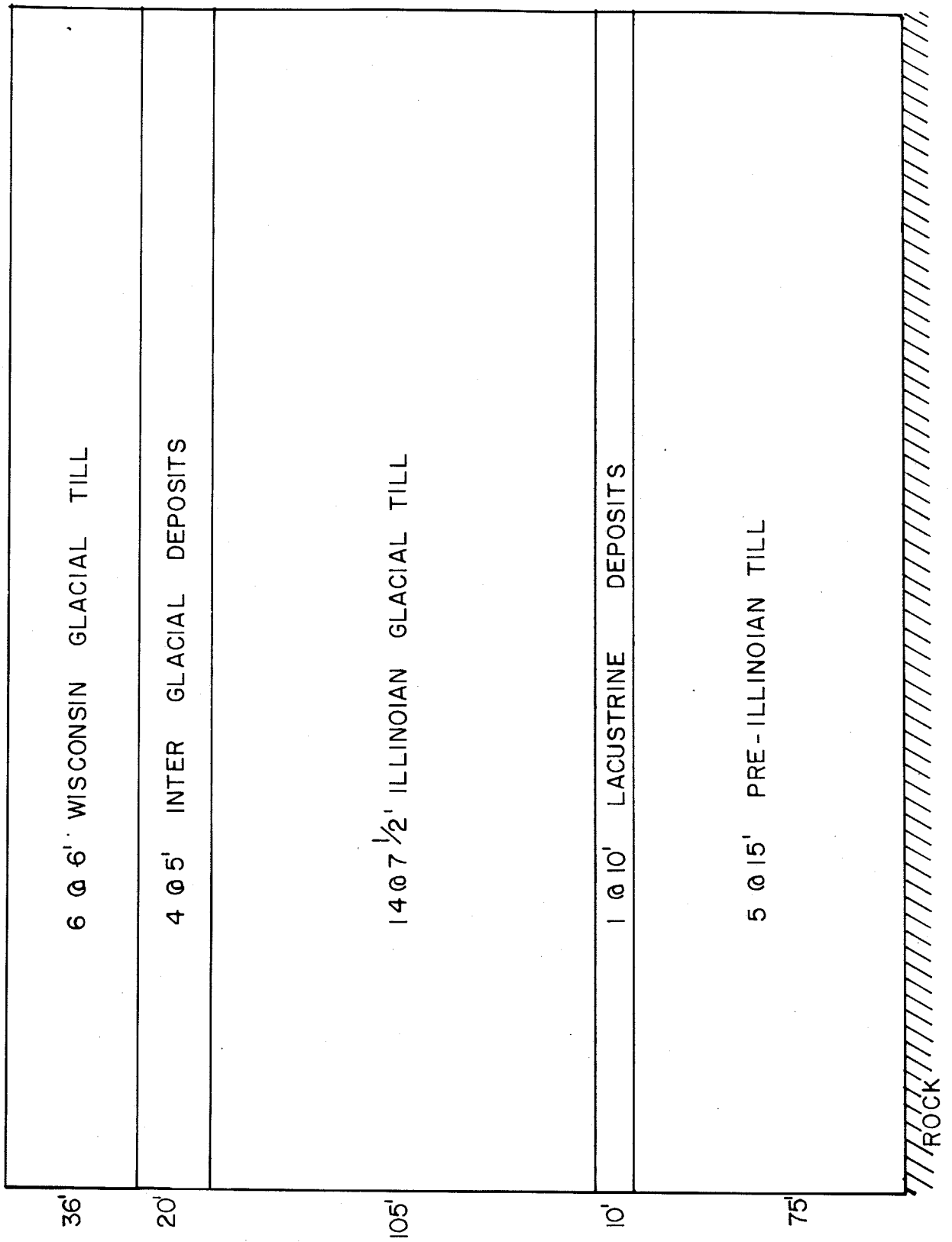
VERTICAL RESPONSE SPECTRA  
 (5% DAMPING)



SLV MATCH WITH VERT R.G. SPEC 7 PER DAMP

CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

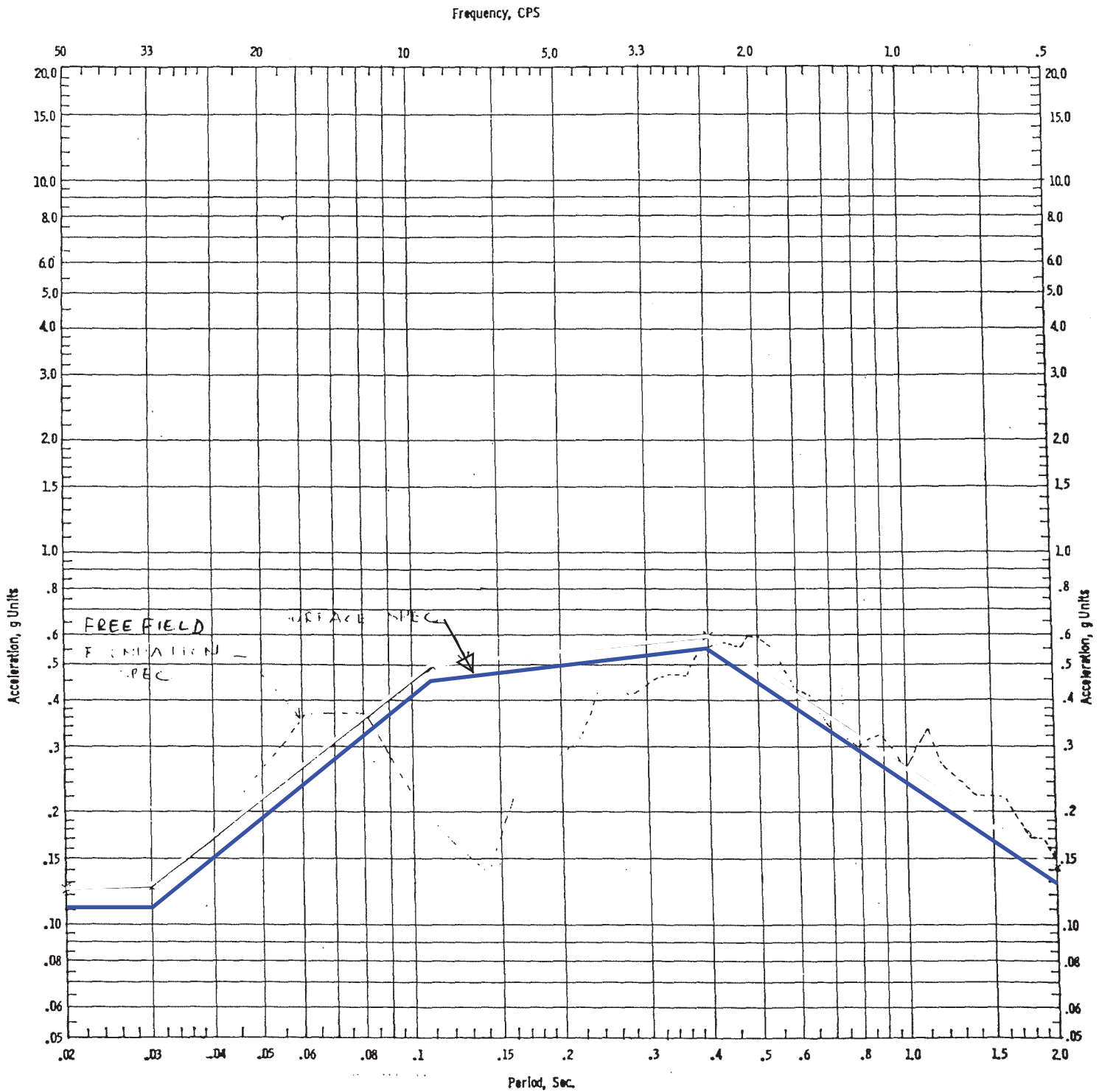
FIGURE 3.7-10  
 VERTICAL RESPONSE SPECTRA  
 (7% DAMPING)



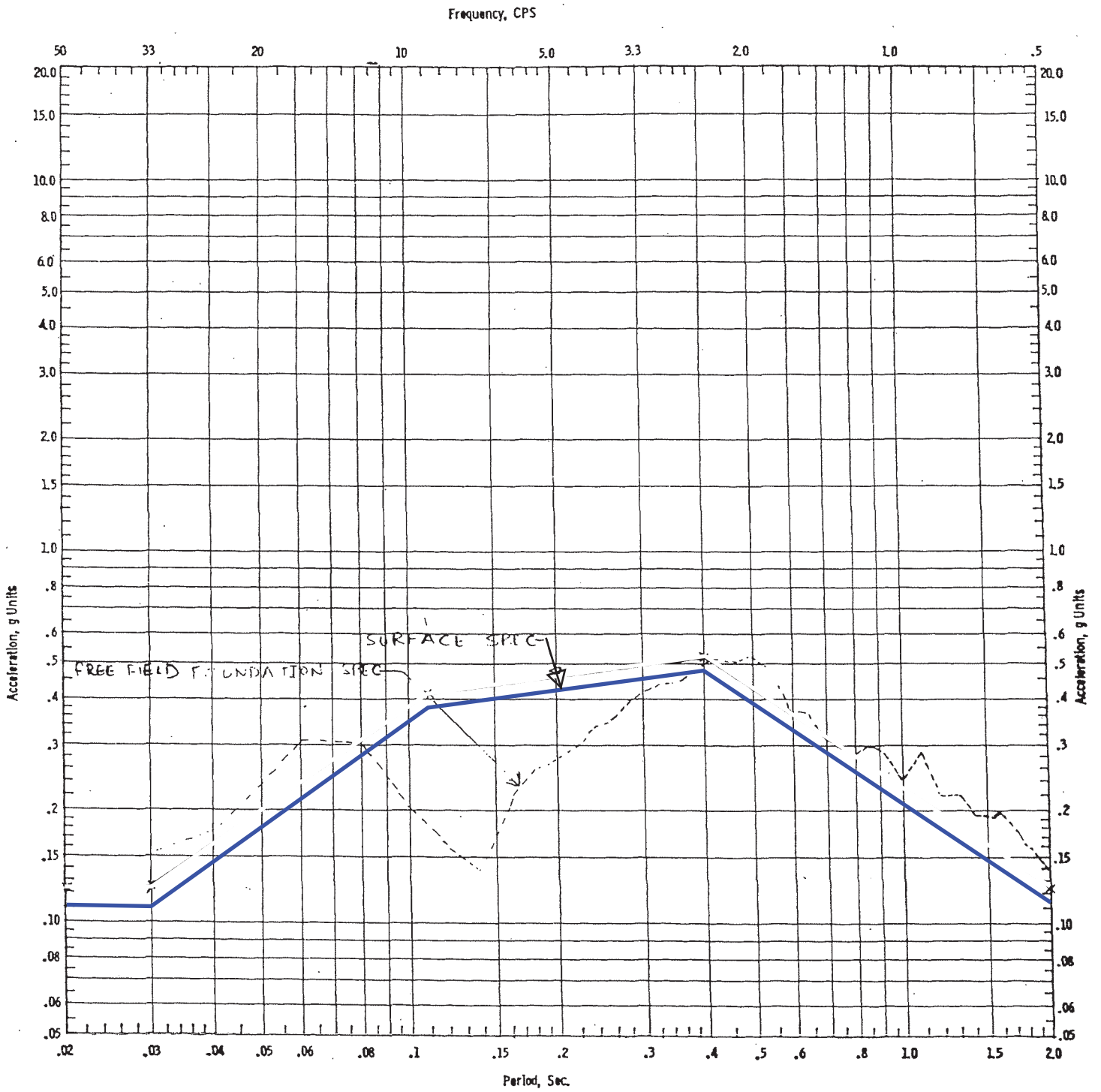
CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-11

SOIL LAYERING MODEL  
 USED IN SHAKE



CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT  
FIGURE 3.7-12  
COMPARISON BETWEEN FREE FIELD  
FOUNDATION AND SURFACE SPECTRA  
FOR OBE HORIZONTAL 1% DAMPING

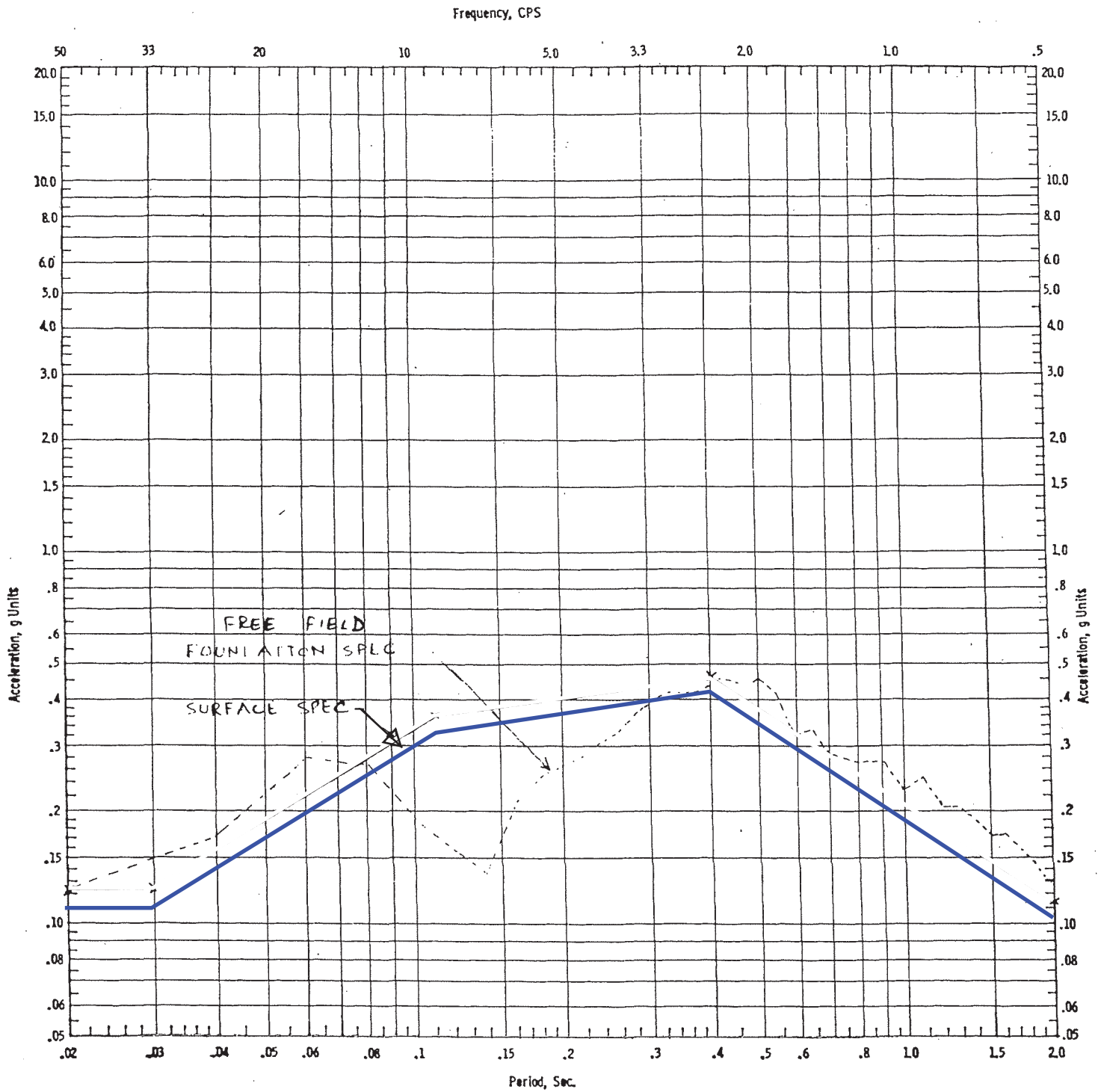


CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-13

COMPARISON BETWEEN FREE FIELD  
FOUNDATION AND SURFACE SPECTRA  
FOR OBE HORIZONTAL 2% DAMPING

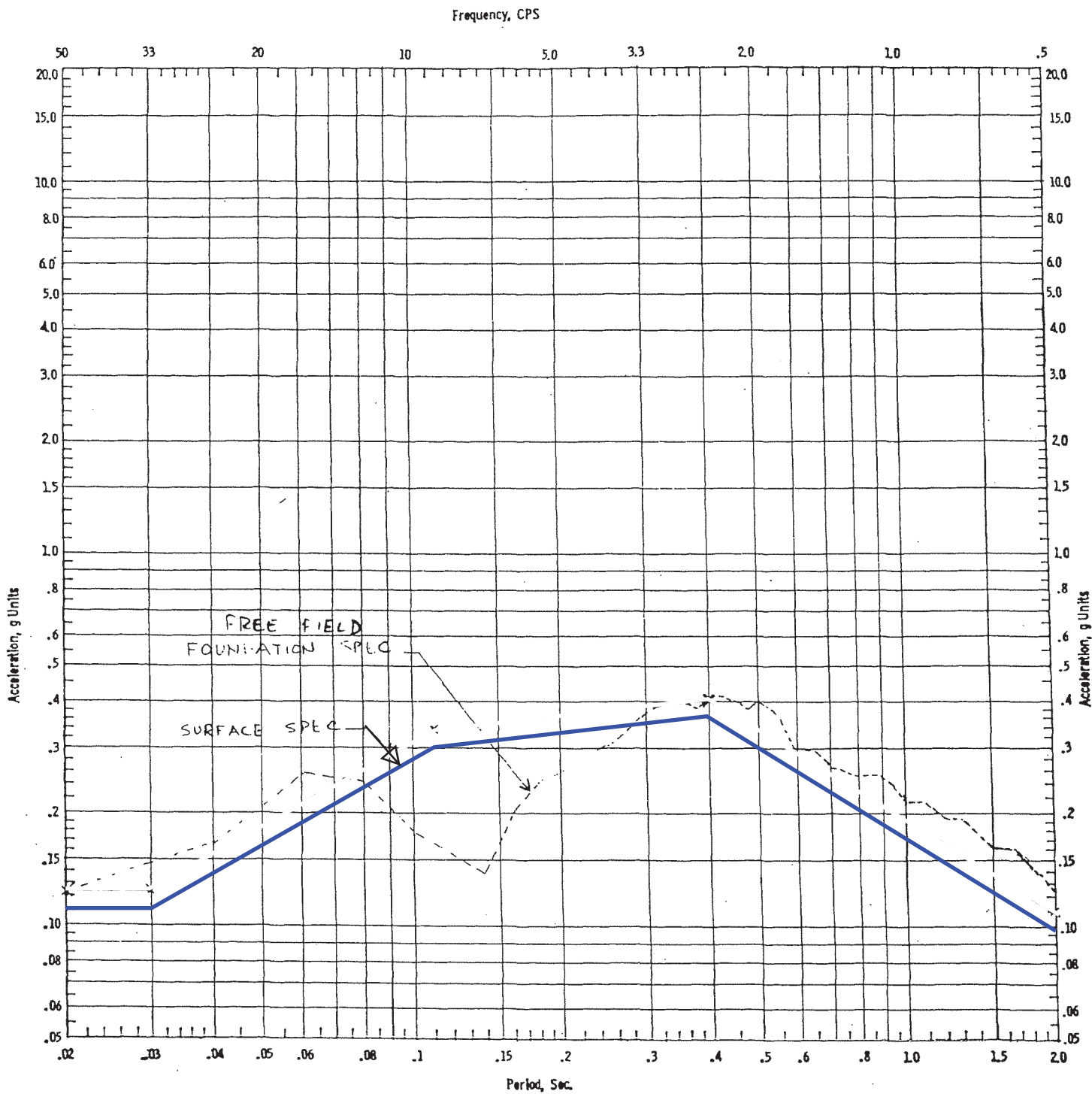




CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-14

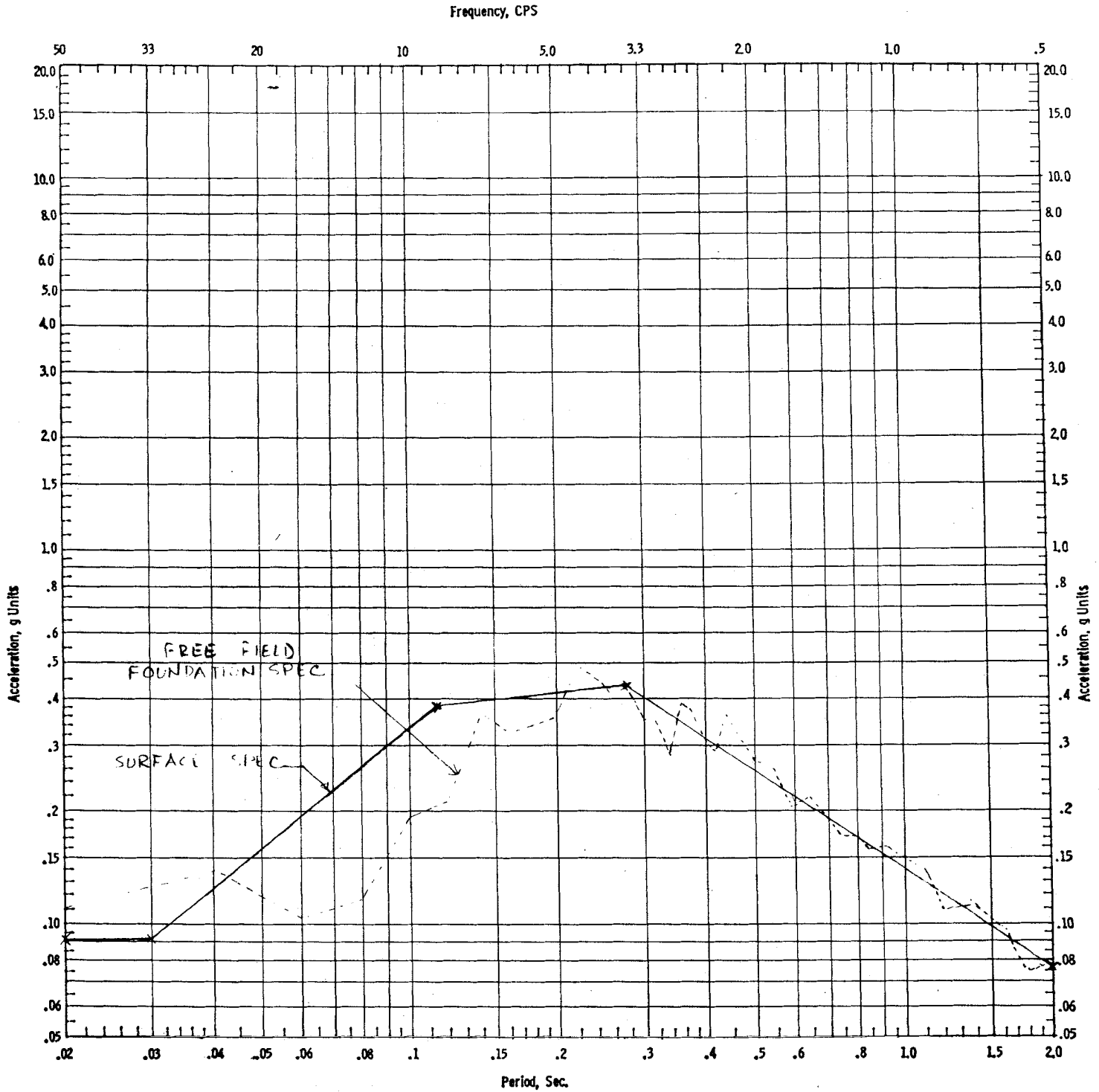
COMPARISON BETWEEN FREE FIELD  
FOUNDATION AND SURFACE SPECTRA  
FOR OBE HORIZONTAL 3% DAMPING



CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-15

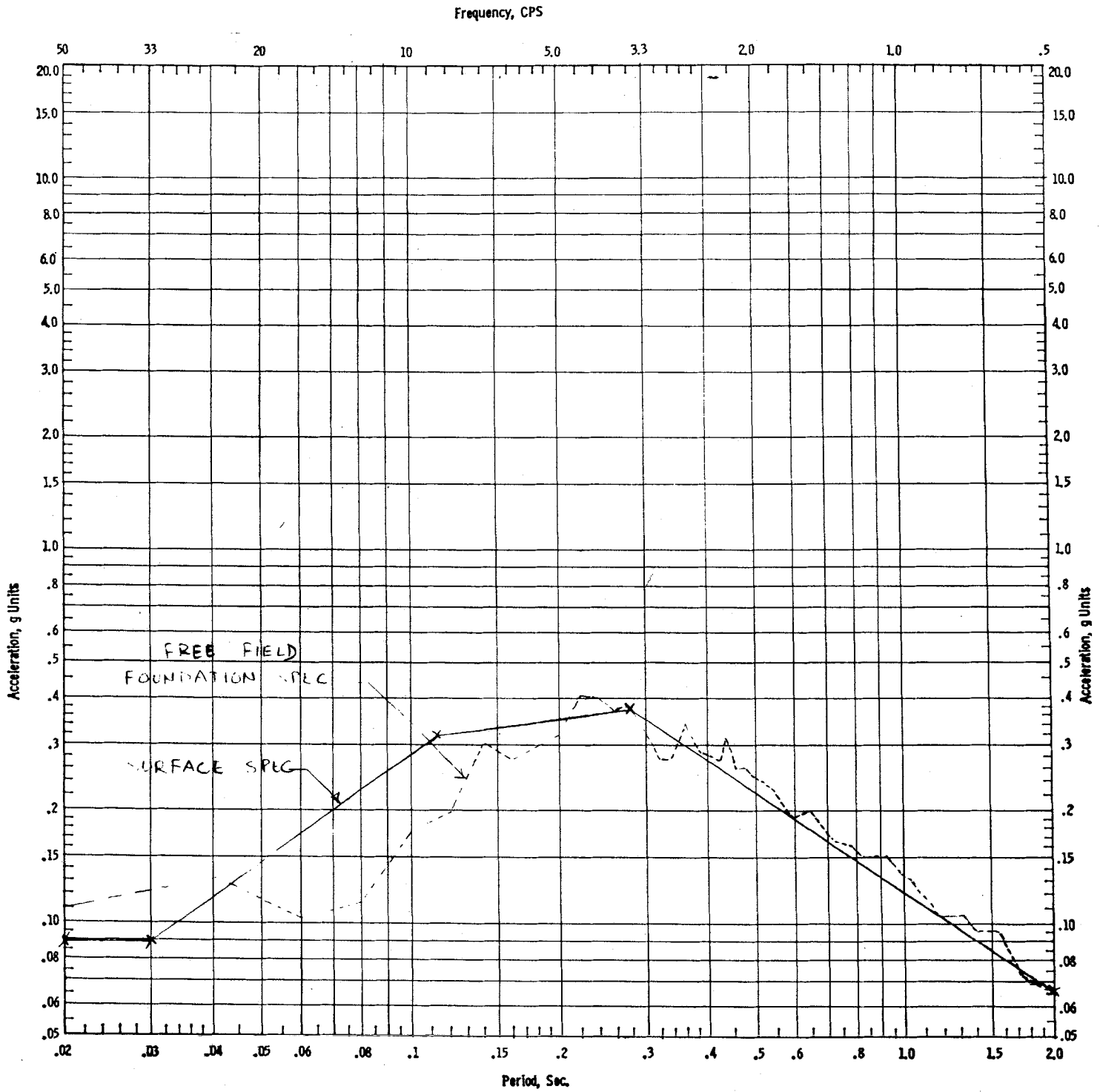
COMPARISON BETWEEN FREE FIELD  
FOUNDATION AND SURFACE SPECTRA  
FOR OBE HORIZONTAL 4% DAMPING



**CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT**

FIGURE 3.7-16

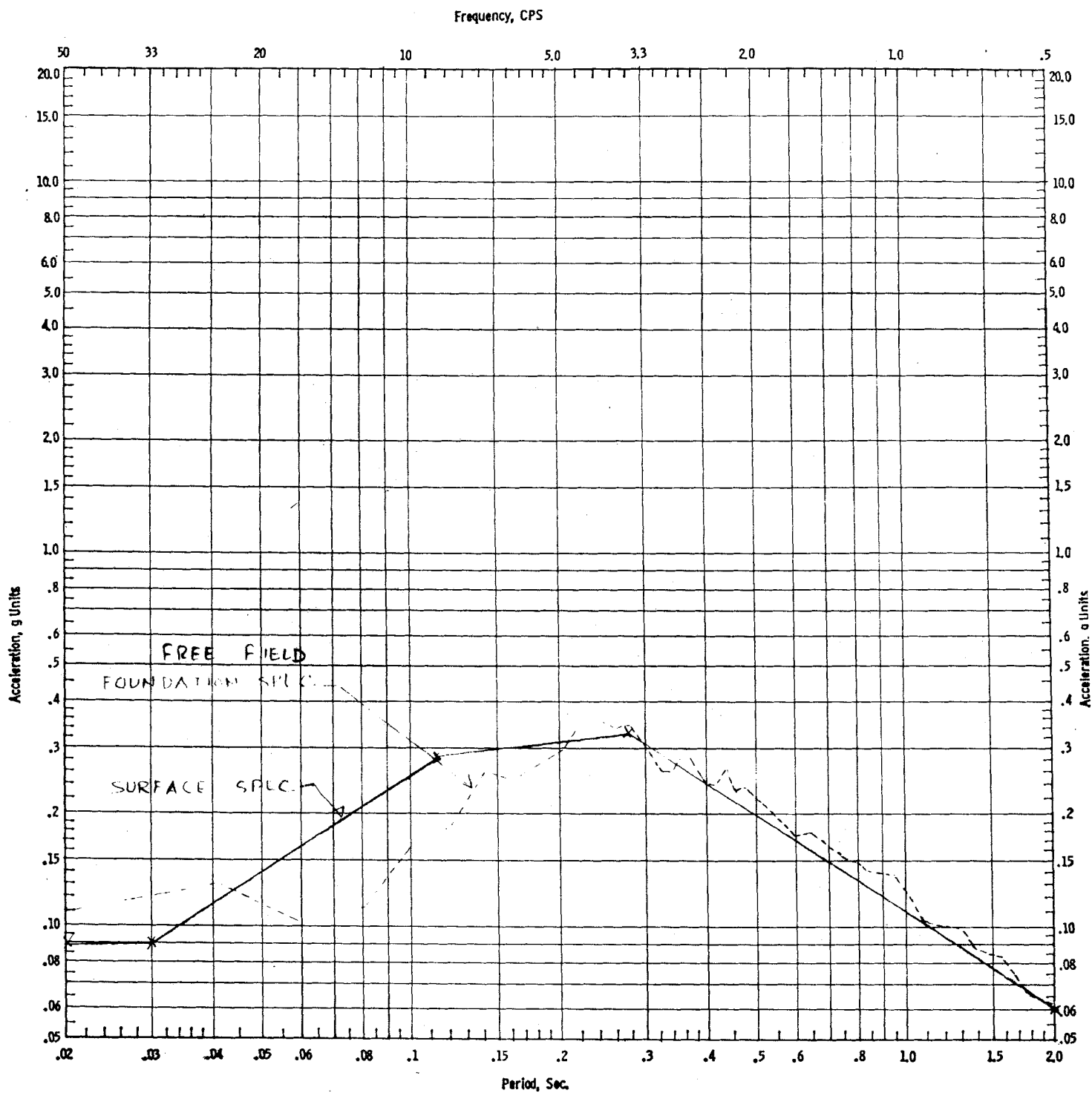
COMPARISON BETWEEN FREE FIELD  
FOUNDATION AND SURFACE SPECTRA  
FOR OBE VERTICAL 1% DAMPING



**CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT**

FIGURE 3.7-17

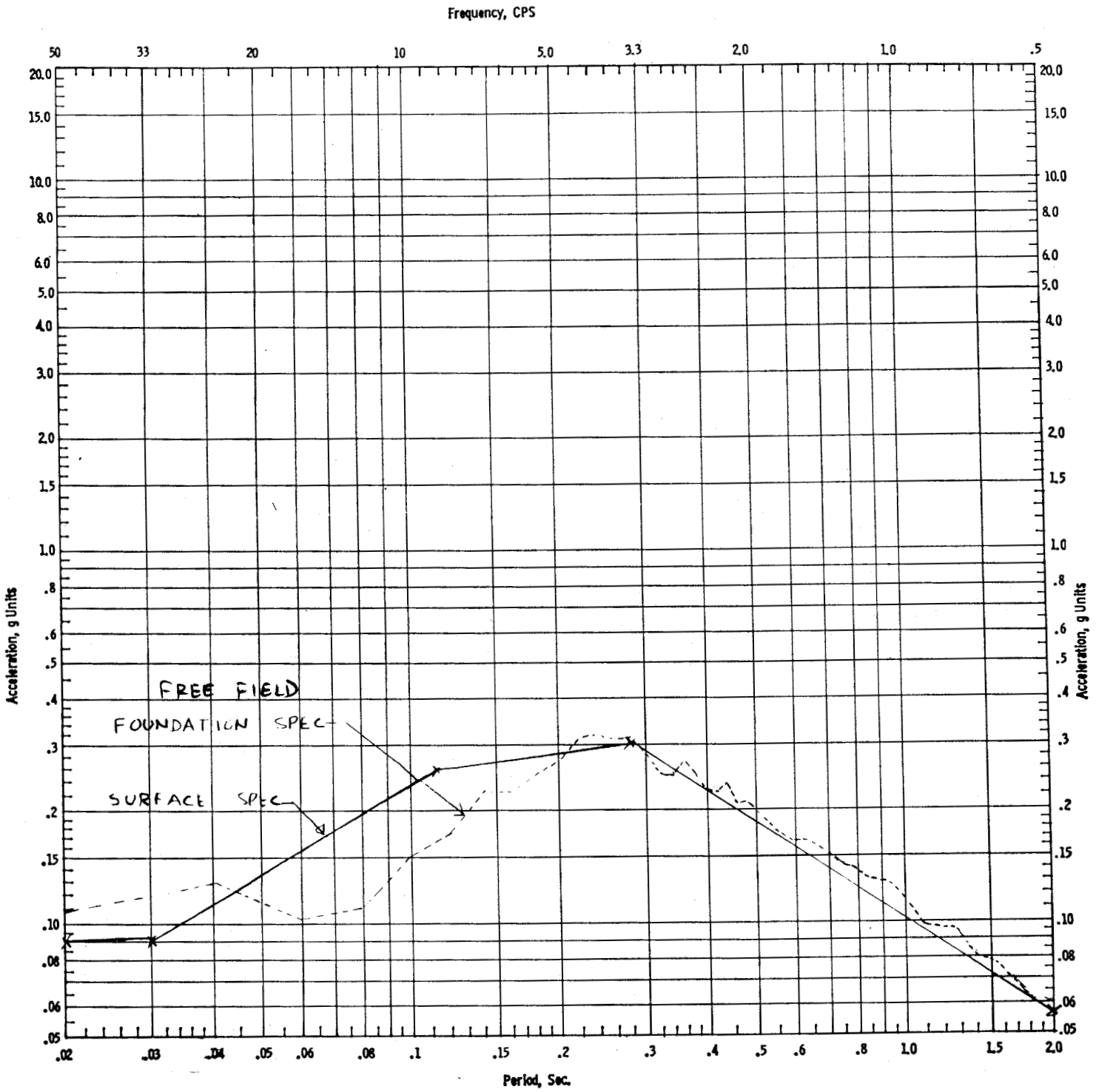
COMPARISON BETWEEN FREE FIELD  
FOUNDATION AND SURFACE SPECTRA  
FOR 0BE VERTICAL 2% DAMPING



**CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT**

FIGURE 3.7-18

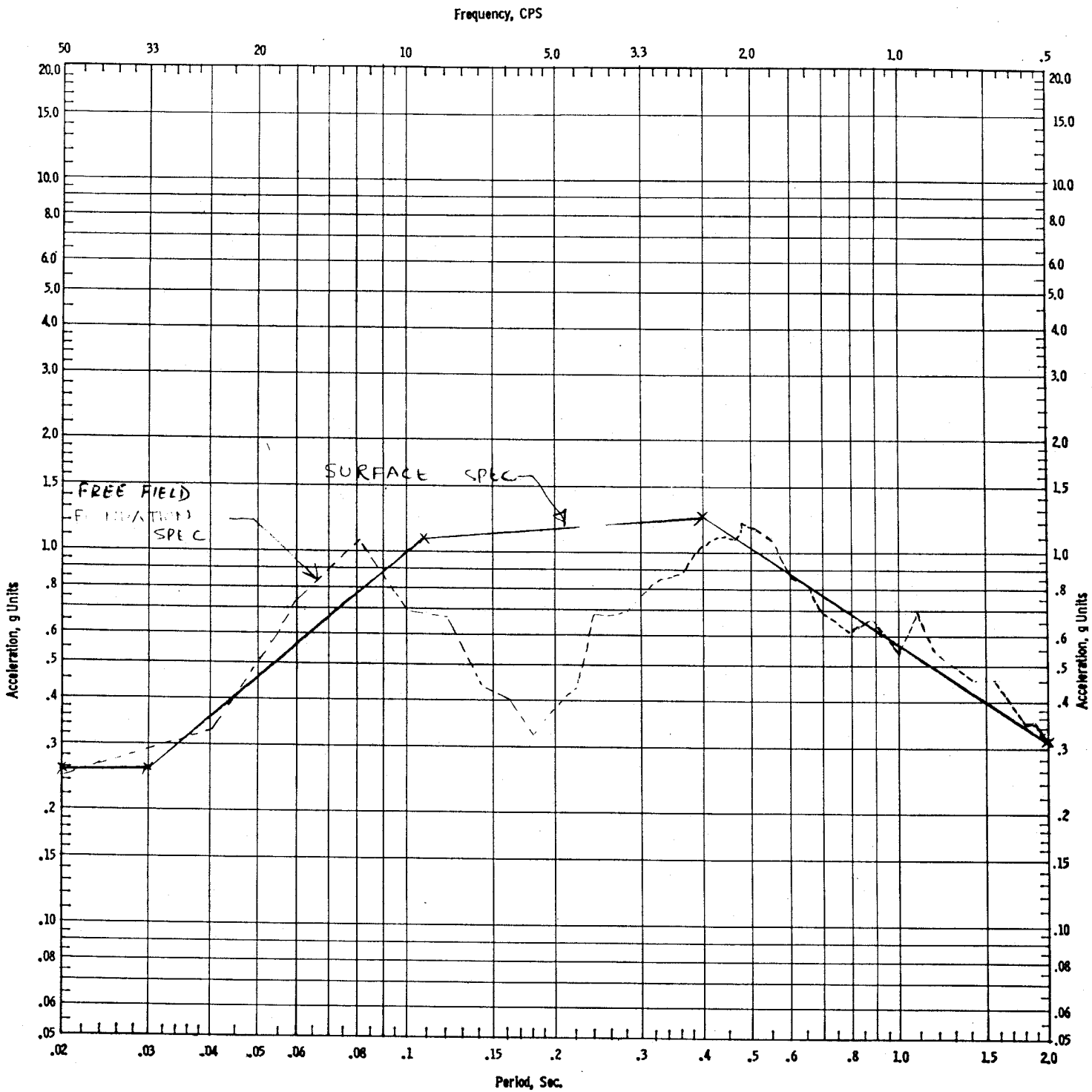
COMPARISON BETWEEN FREE FIELD  
FOUNDATION AND SURFACE SPECTRA  
FOR OBE VERTICAL 3% DAMPING



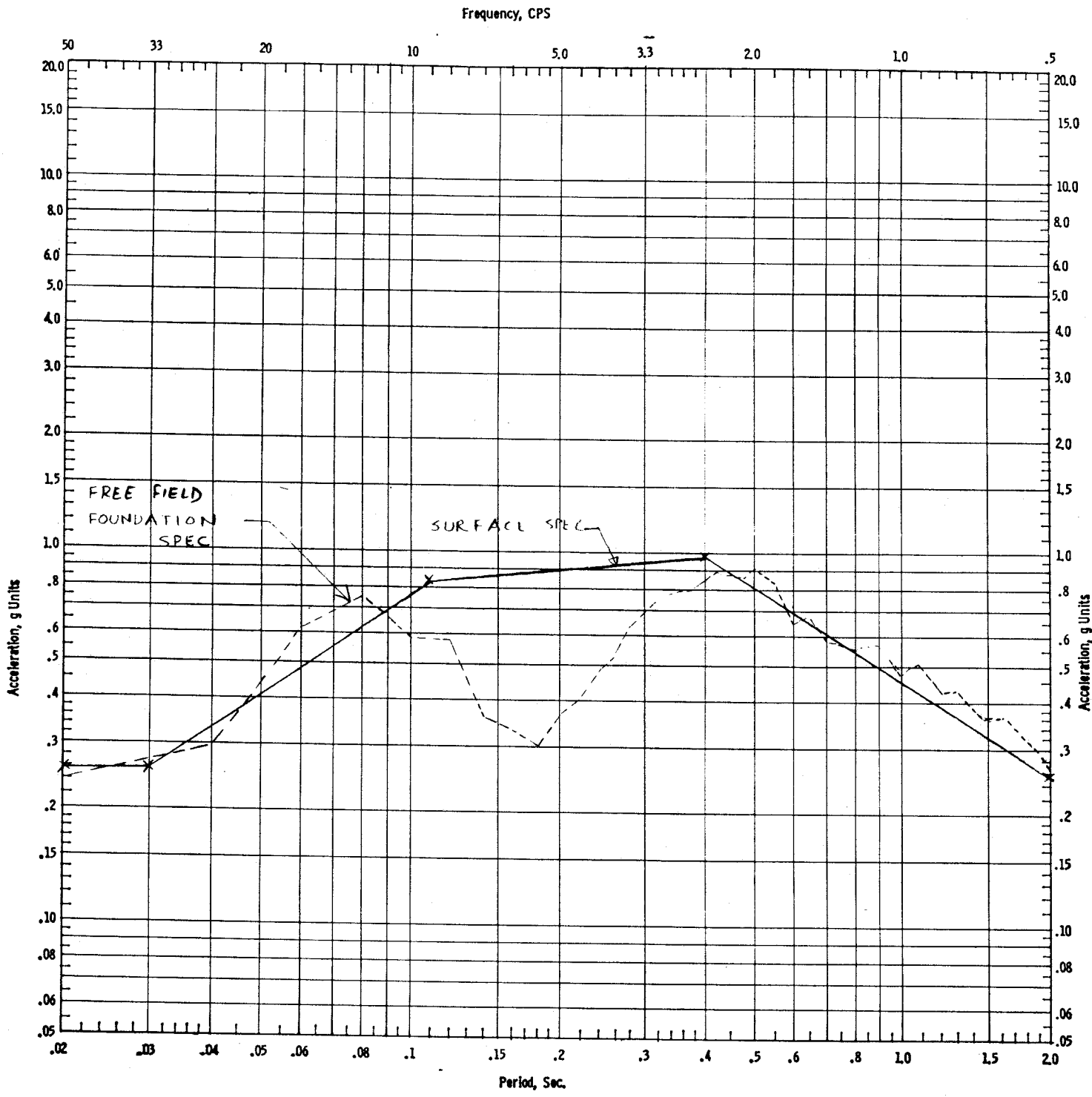
CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-19

COMPARISON BETWEEN FREE FIELD  
 FOUNDATION AND SURFACE SPECTRA  
 FOR OBE VERTICAL 4% DAMPING

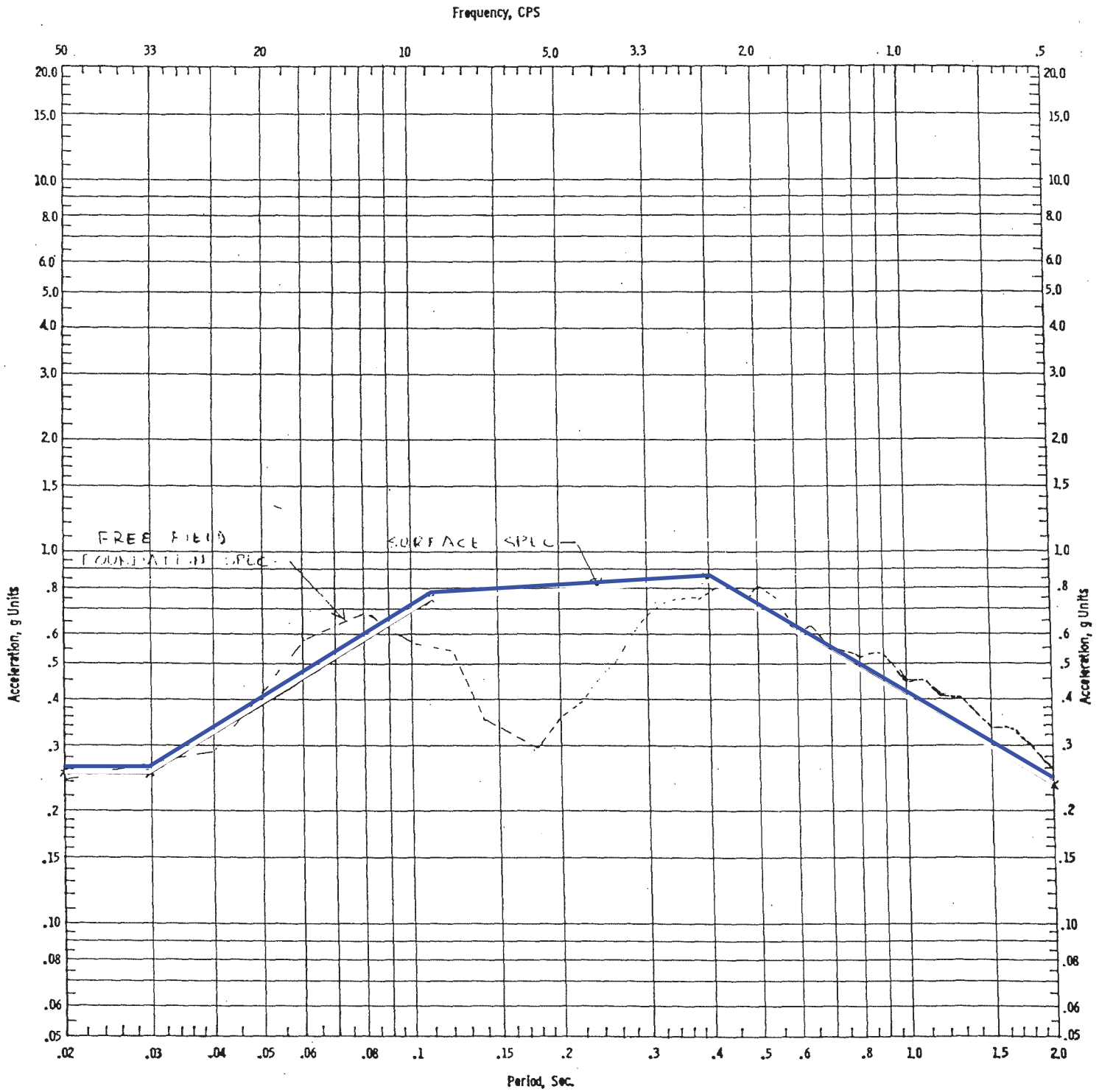


**CLINTON POWER STATION**  
**UPDATED SAFETY ANALYSIS REPORT**  
 FIGURE 3.7-20  
 COMPARISON BETWEEN FREE FIELD  
 FOUNDATION AND SURFACE SPECTRA  
 FOR SSE HORIZONTAL 1% DAMPING



**CLINTON POWER STATION**  
**UPDATED SAFETY ANALYSIS REPORT**  
 FIGURE 3.7-21  
 COMPARISON BETWEEN FREE FIELD  
 FOUNDATION AND SURFACE SPECTRA  
 FOR SSE HORIZONTAL 3% DAMPING

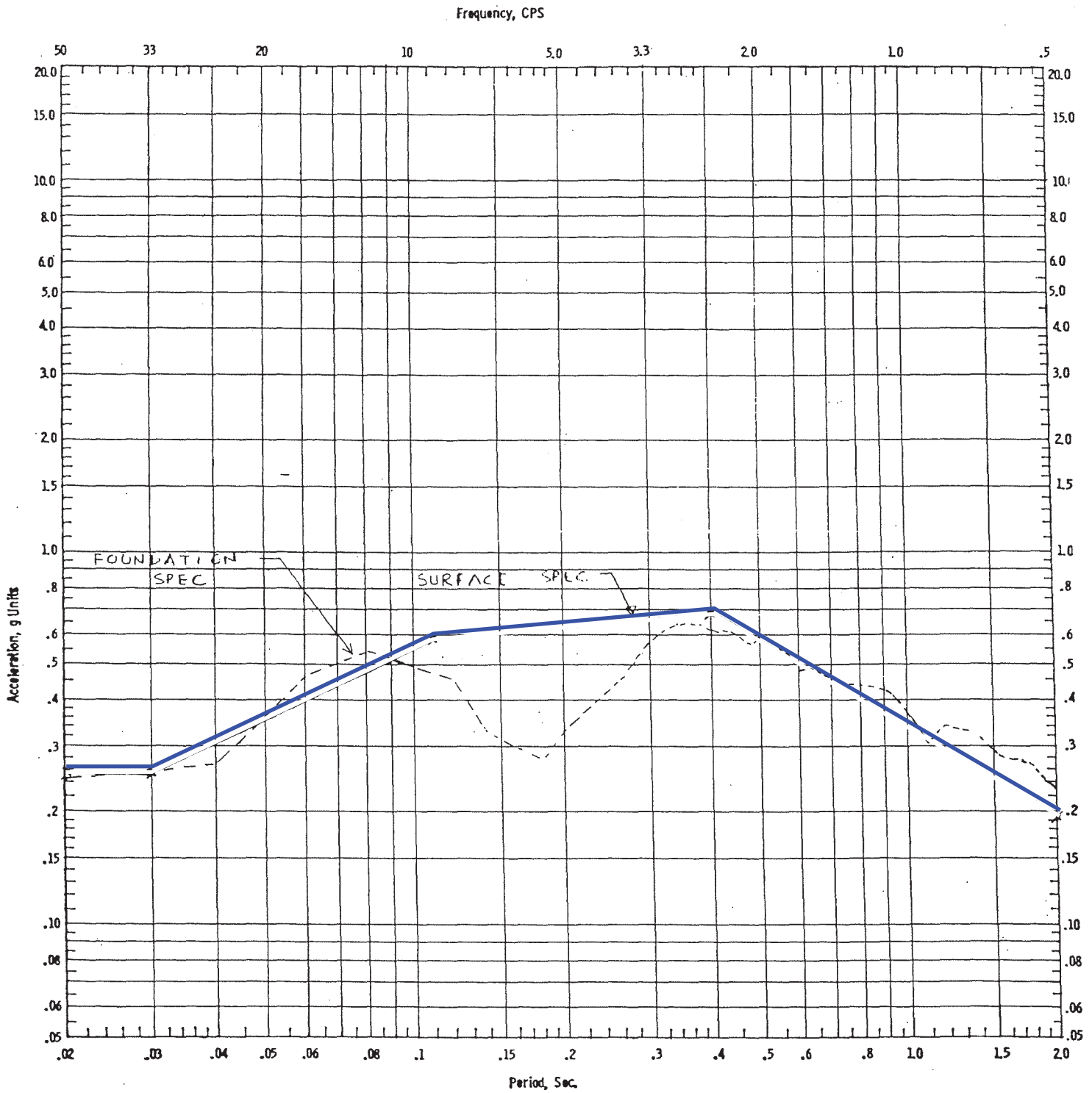




CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-22

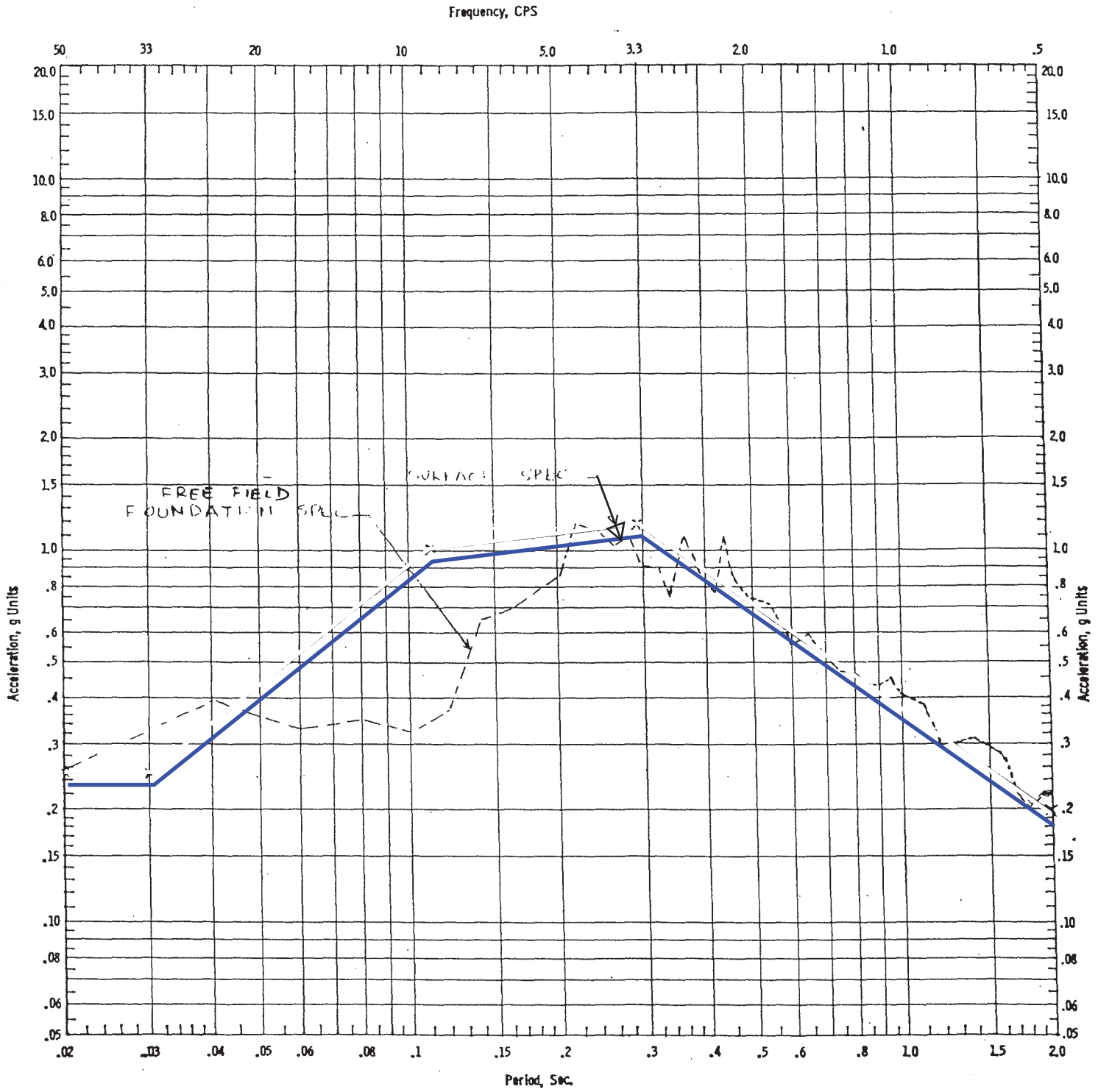
COMPARISON BETWEEN FREE FIELD  
FOUNDATION AND SURFACE SPECTRA  
FOR SSE HORIZONTAL 4% DAMPING



CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-23

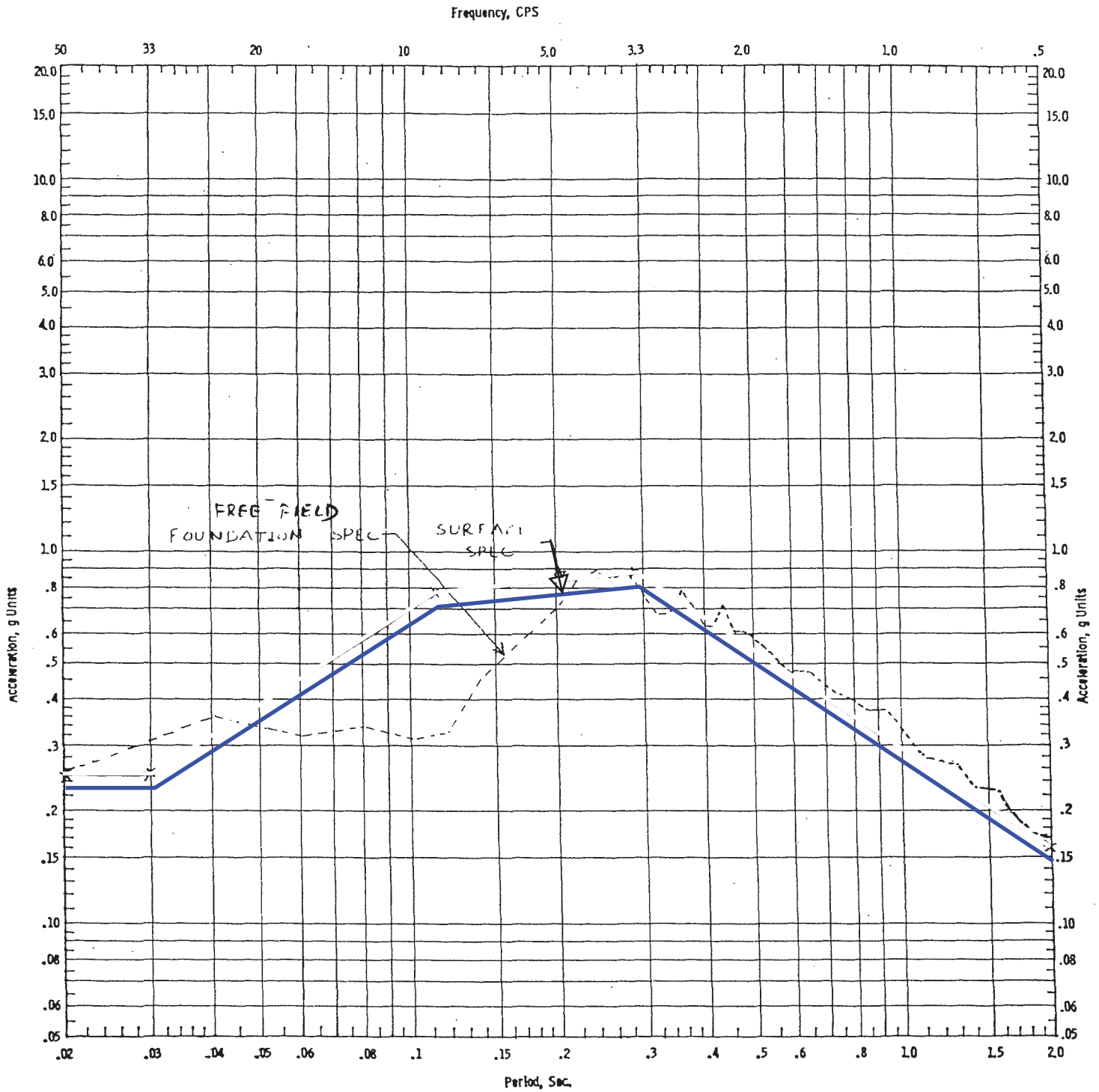
COMPARISON BETWEEN FREE FIELD  
FOUNDATION AND SURFACE SPECTRA  
FOR SSE HORIZONTAL 7% DAMPING



CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-24

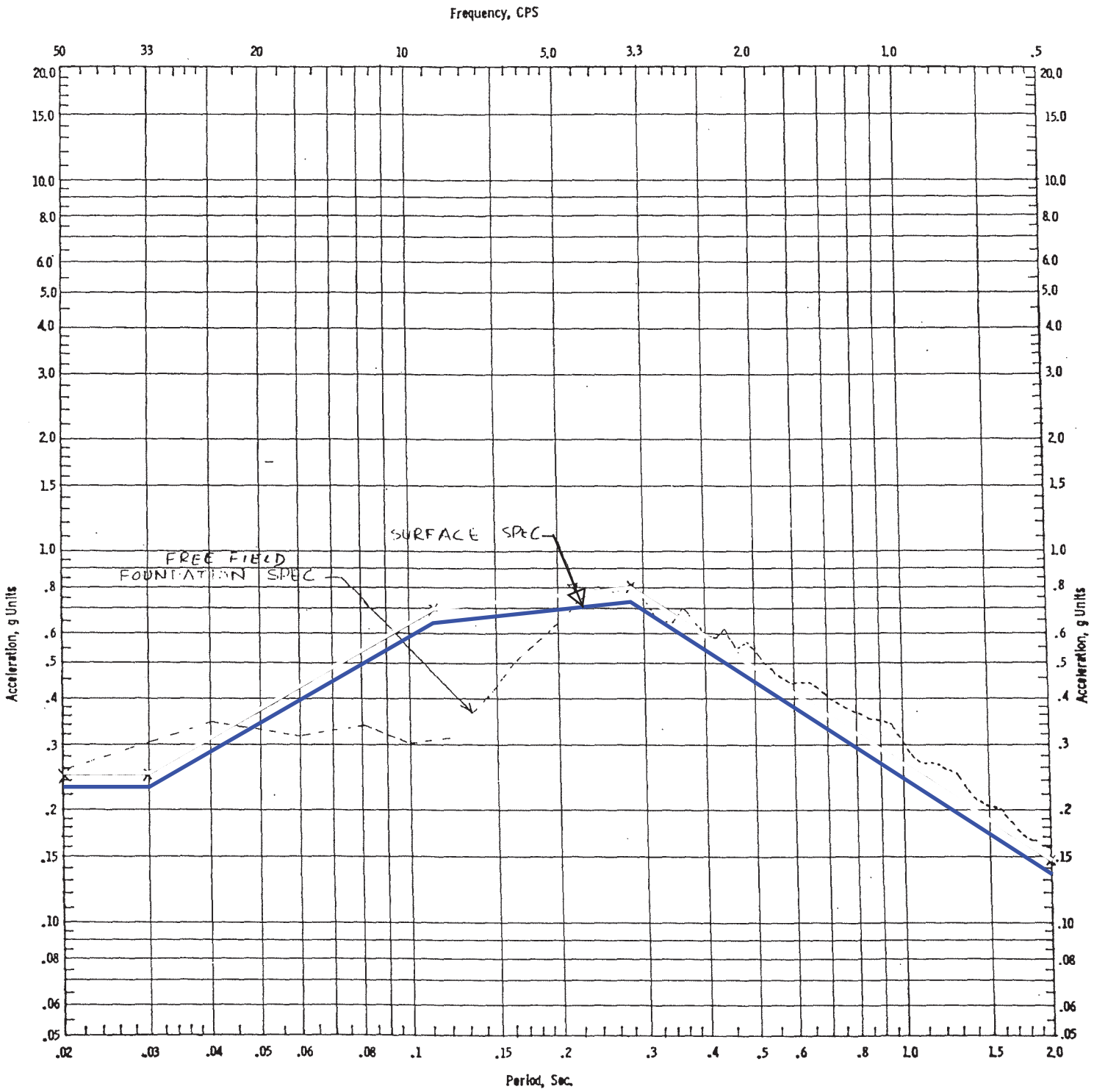
COMPARISON BETWEEN FREE FIELD  
FOUNDATION AND SURFACE SPECTRA  
FOR SSE VERTICAL 1% DAMPING



CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-25

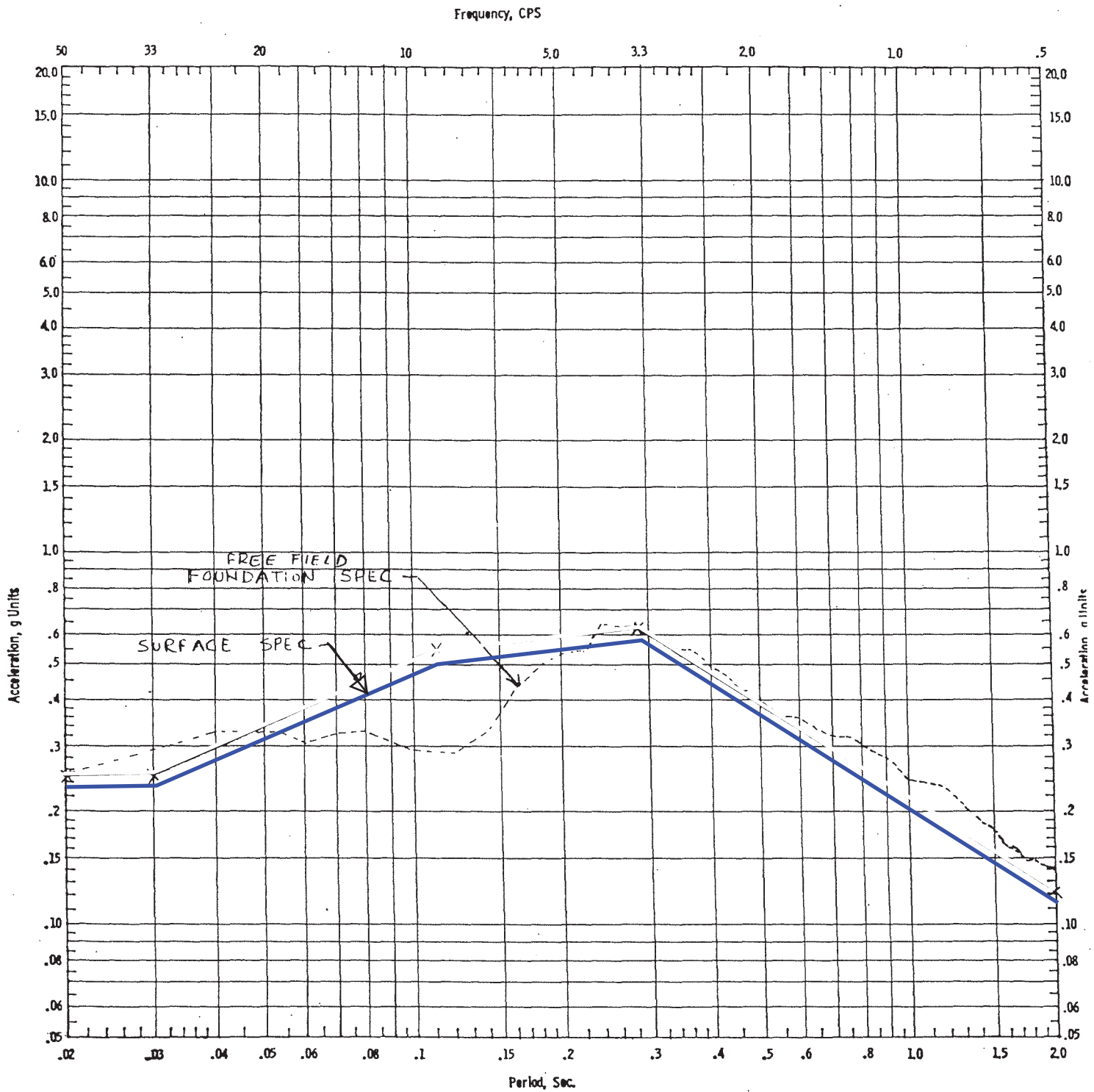
COMPARISON BETWEEN FREE FIELD  
FOUNDATION AND SURFACE SPECTRA  
FOR SSE VERTICAL 3% DAMPING



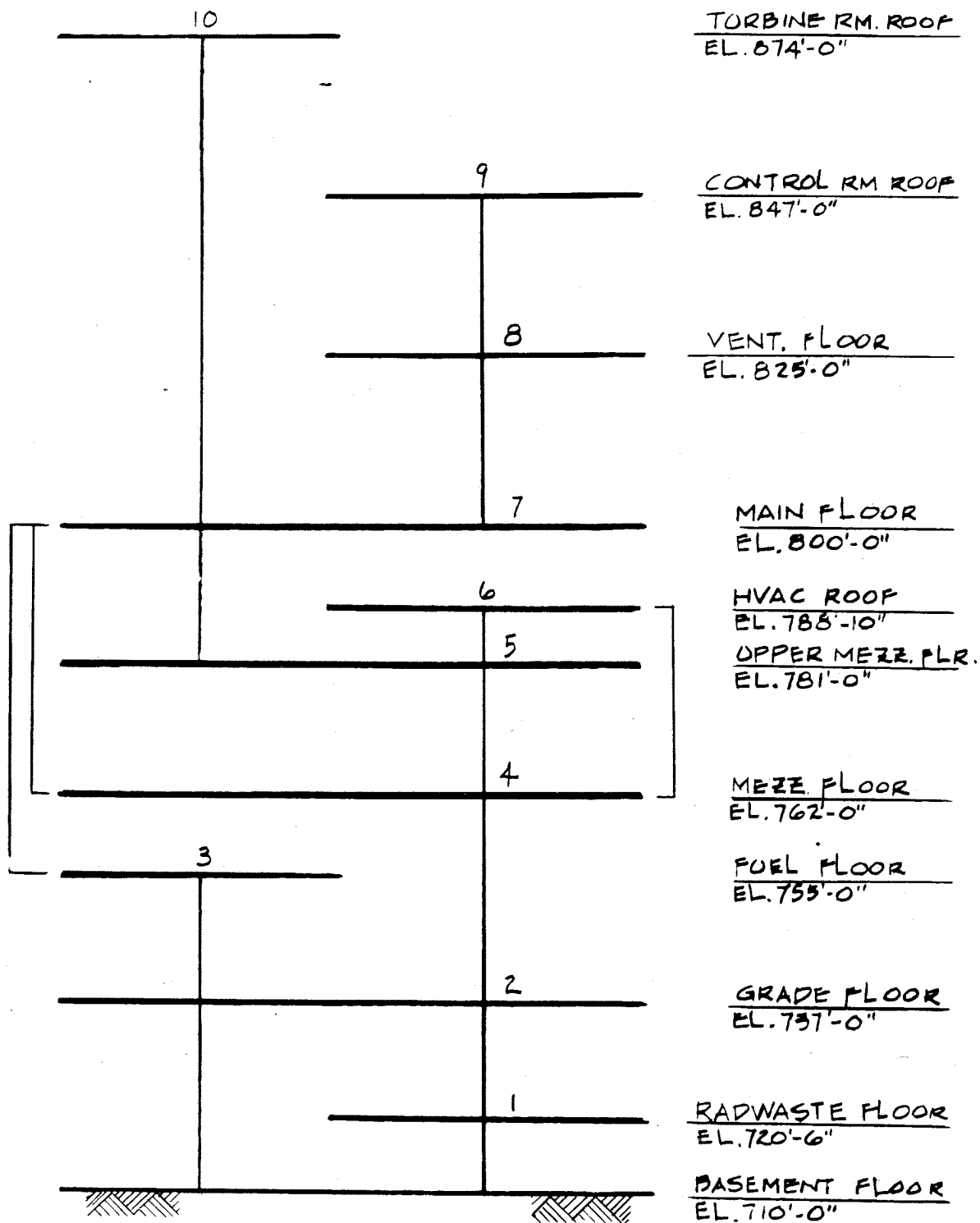
CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-26

COMPARISON BETWEEN FREE FIELD  
FOUNDATION AND SURFACE SPECTRA  
FOR SSE VERTICAL 4% DAMPING



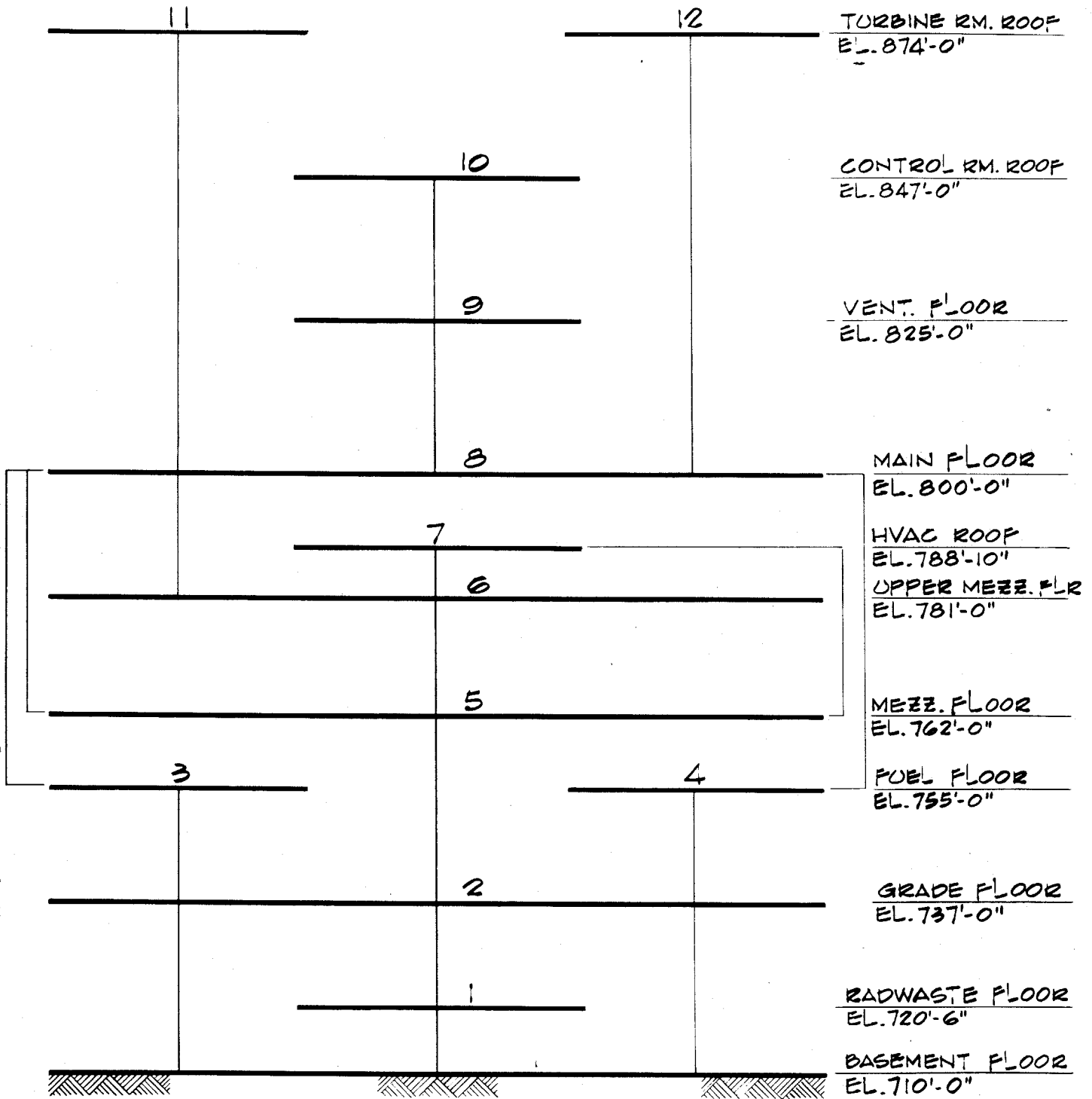
CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT  
FIGURE 3.7-27  
COMPARISON BETWEEN FREE FIELD  
FOUNDATION AND SURFACE SPECTRA  
FOR SSE VERTICAL 7% DAMPING



CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-28

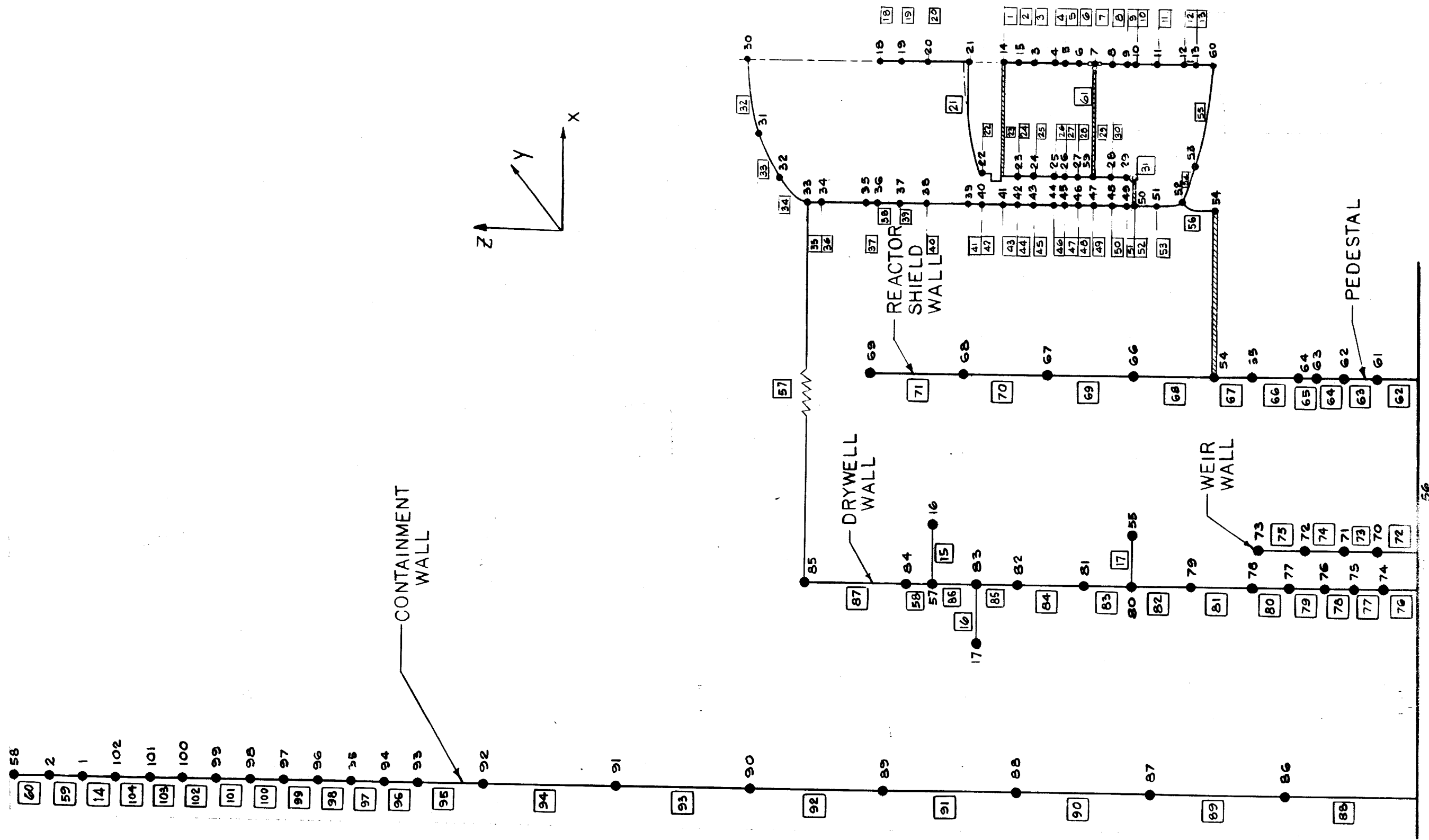
ONE UNIT - HORIZONTAL  
 BUILDING MODEL



NOTE: UNIT 2 HAS BEEN CANCELLED.

<p><b>CLINTON POWER STATION</b>  <b>UPDATED SAFETY ANALYSIS REPORT</b></p>
<p>FIGURE 3.7-29</p>
<p>TWO UNIT - HORIZONTAL  BUILDING MODEL</p>





CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-30

CONTAINMENT BUILDING  
 HORIZONTAL MODEL

NOTE: NUMBERS IN □ REPRESENT ELEMENT NUMBERS.

EL. 912'-0"

EL. 892'-0"

EL. 862'-0"

EL. 852'-0"

EL. 832'-0"

EL. 812'-0"

EL. 792'-0"

EL. 772'-0"

EL. 752'-0"

EL. 732'-0"

EL. 712'-0"

$7.72 \times 10^2$

$2.56 \times 10^3$

$3.68 \times 10^3$

$4.61 \times 10^3$

$5.66 \times 10^3$

$6.93 \times 10^3$

$7.23 \times 10^3$

$7.75 \times 10^3$

$8.10 \times 10^3$

$8.39 \times 10^3$

$1.05 \times 10^4$

$5.55 \times 10^4$

$1.44 \times 10^5$

$1.93 \times 10^5$

$2.97 \times 10^5$

$4.20 \times 10^5$

$5.57 \times 10^5$

$7.05 \times 10^5$

$8.61 \times 10^5$

$1.02 \times 10^6$

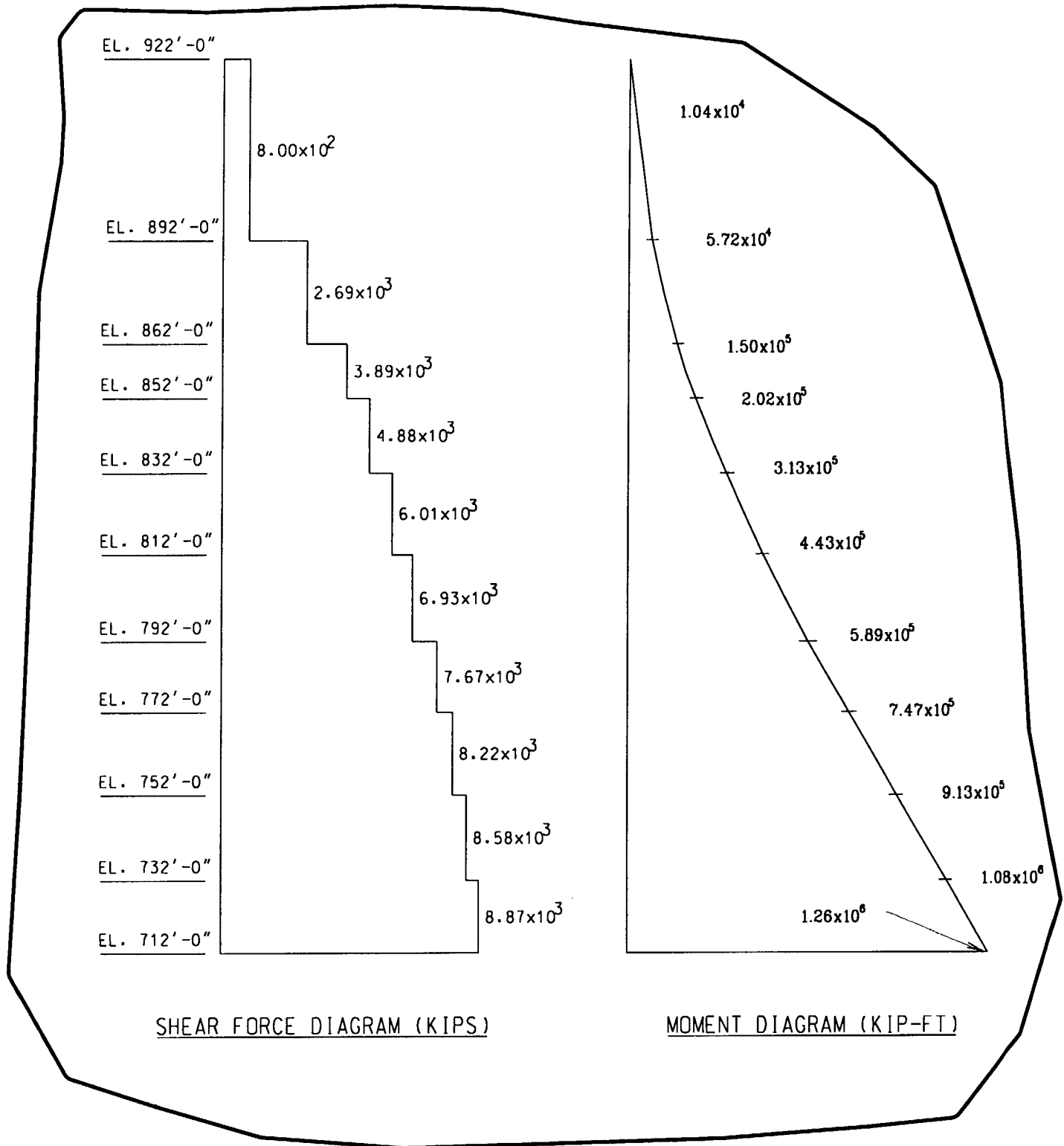
$1.18 \times 10^6$

SHEAR FORCE DIAGRAM (KIPS)

MOMENT DIAGRAM (KIP-FT)

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-31  
SEISMIC RESPONSE LOADS (E-W)  
FOR SSE FOR THE CONTAINMENT

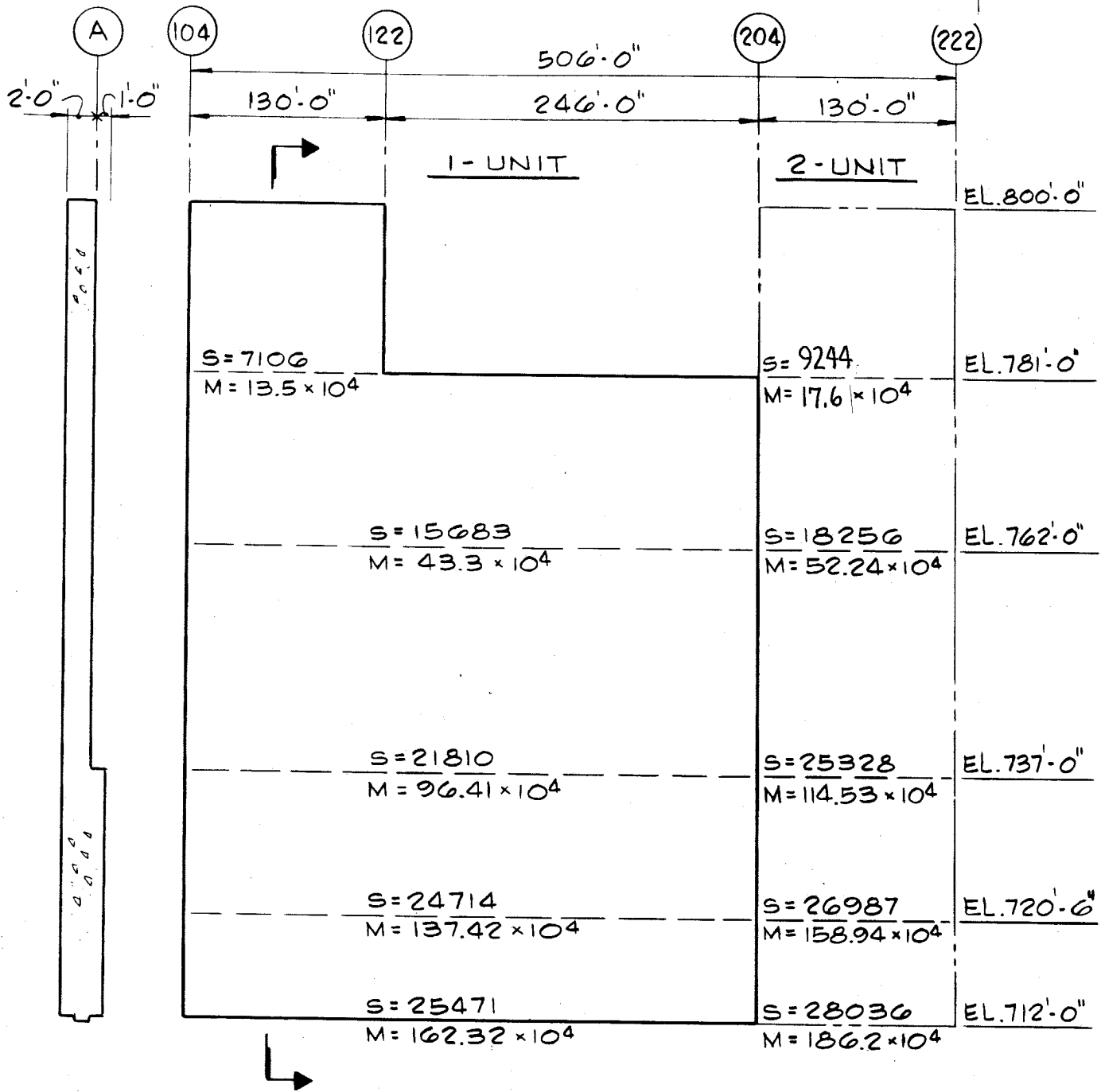


SHEAR FORCE DIAGRAM (KIPS)

MOMENT DIAGRAM (KIP-FT)

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-32  
SEISMIC RESPONSE LOADS (N-S)  
FOR SSE FOR THE CONTAINMENT

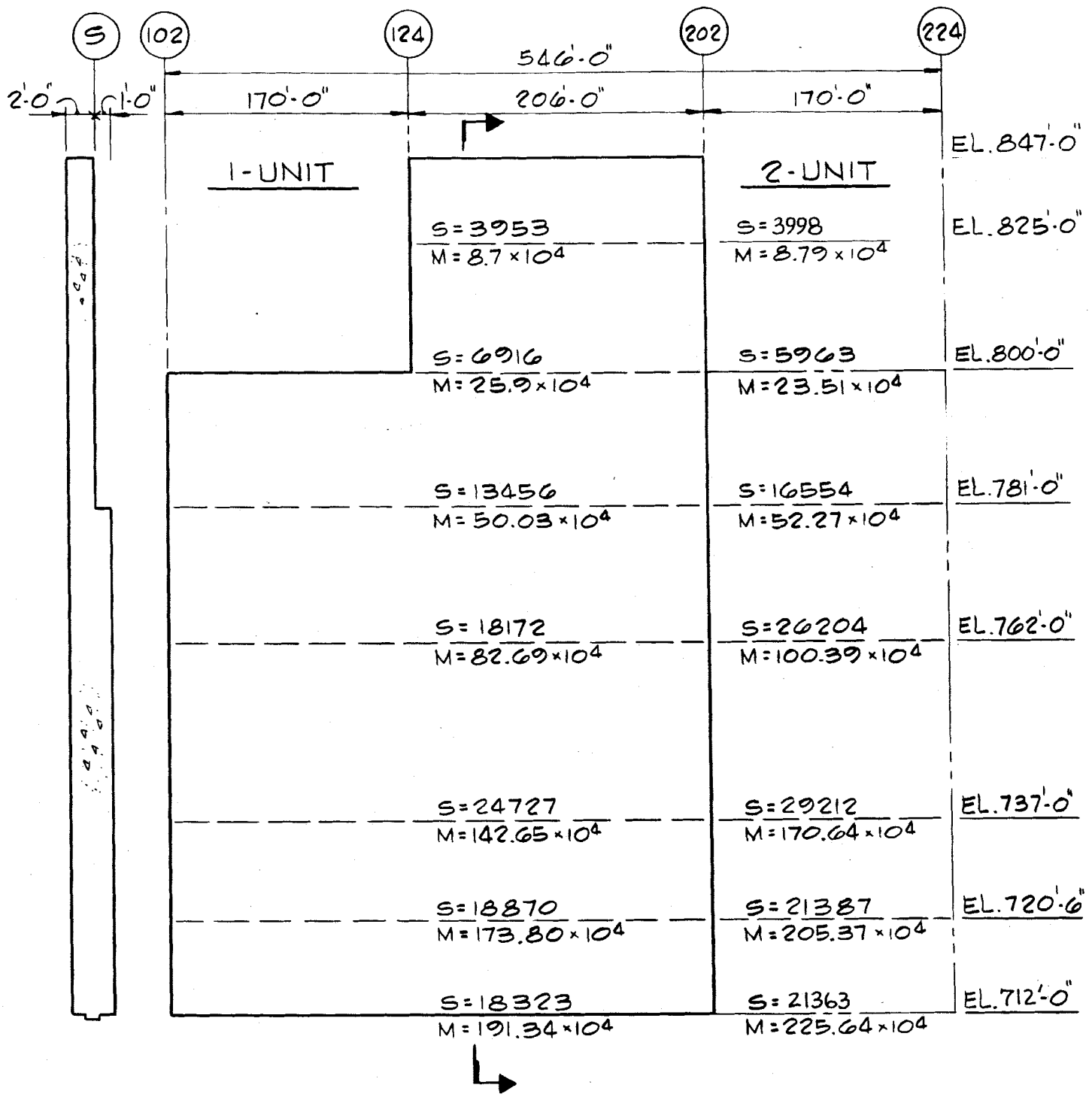


**ELEVATION OF SHEAR WALL  
ALONG COLUMN ROW "A"**

- NOTES:
- "S" DENOTES SHEAR FORCE (KIPS)  
"M" DENOTES OVERTURNING MOMENTS (KIP-FT.)
  - SHEAR FORCES AND MOMENTS SHOWN ARE FOR SSE LOADING.

NOTE: UNIT 2 HAS BEEN CANCELLED.

<b>CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT</b>
<b>FIGURE 3.7-33</b>
<b>SEISMIC RESPONSE LOADS FOR SSE FOR SHEAR WALLS - COLUMN ROW "A"</b>

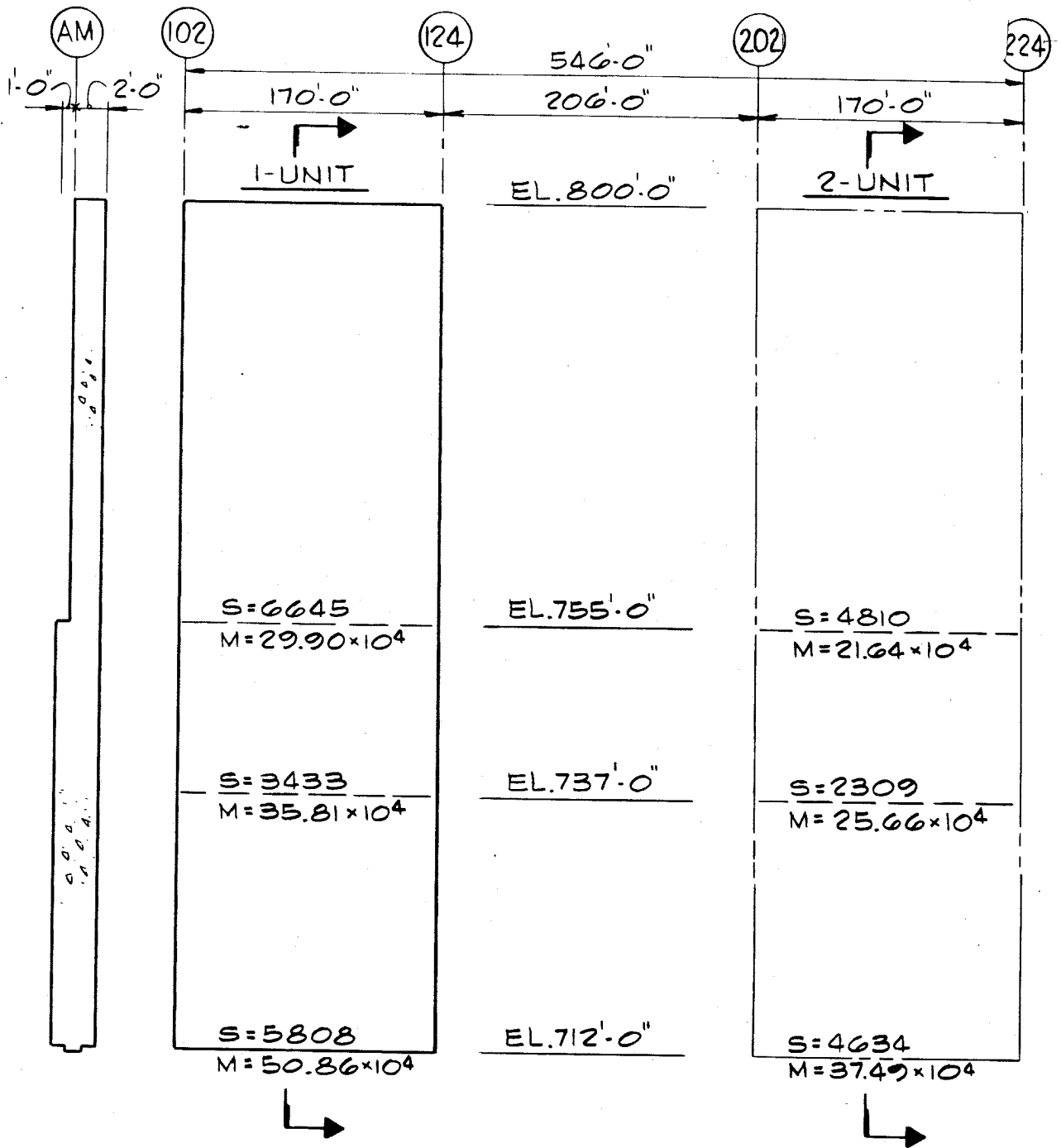


ELEVATION OF SHEAR WALL  
ALONG COLUMN ROW "S"

- NOTES:
- "S" DENOTES SHEAR FORCE (KIPS)
  - "M" DENOTES OVERTURNING MOMENTS (KIP-FT.)
2. SHEAR FORCES AND MOMENTS SHOWN ARE FOR SSE LOADING.

NOTE: UNIT 2 HAS BEEN CANCELLED.

<p>CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT</p>
<p>FIGURE 3.7-34</p>
<p>SEISMIC RESPONSE LOAD FOR SSE FOR SHEAR WALLS - COLUMN ROW "S"</p>

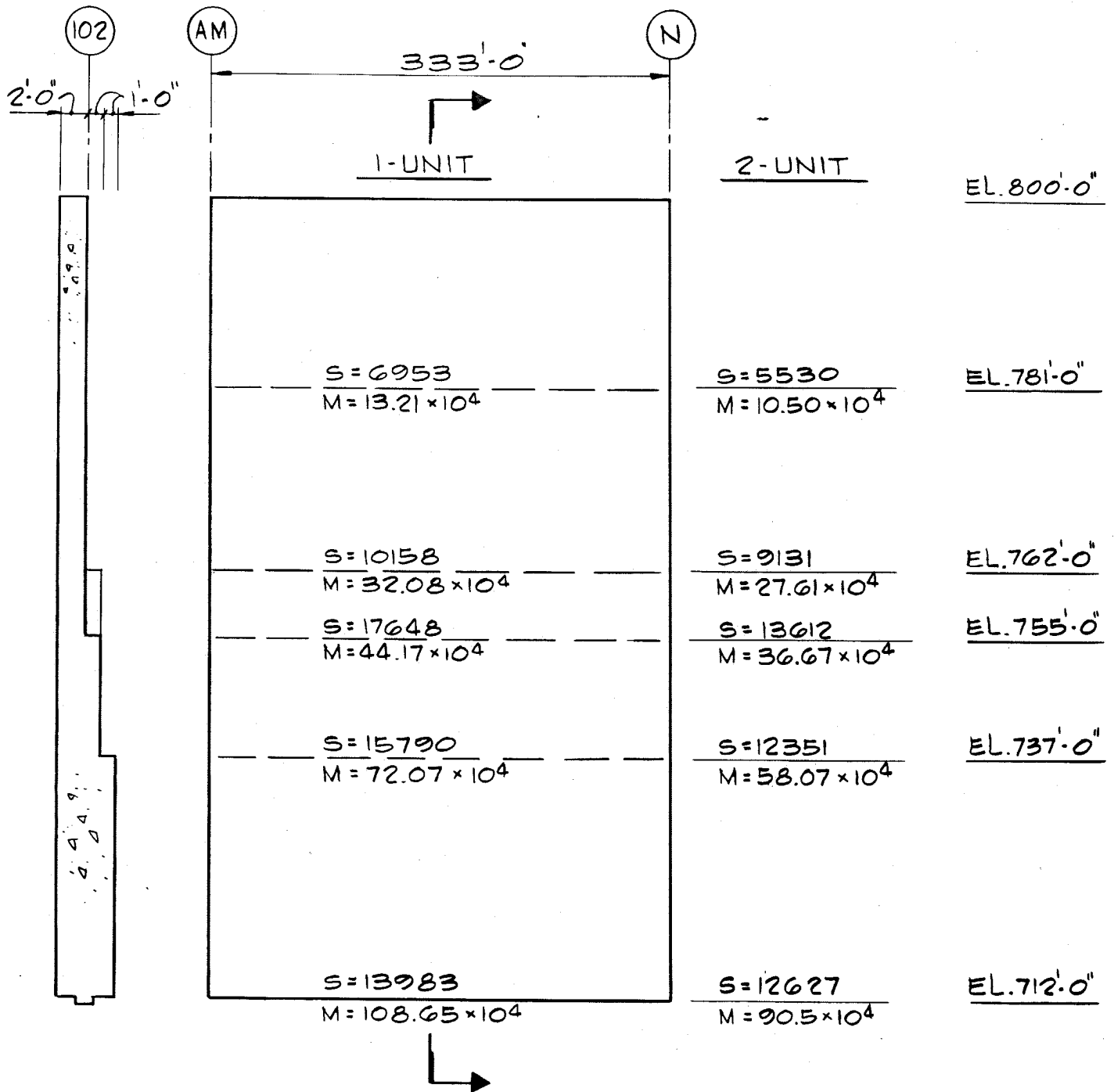


ELEVATION OF SHEAR WALLS  
ALONG COLUMN ROW "AM"

- NOTES:
- "S" DENOTES SHEAR FORCE (KIPS)
  - "M" DENOTES OVERTURNING MOMENTS (KIP-FT.)
  - SHEAR FORCES AND MOMENTS SHOWN ARE FOR SSE LOADING.

NOTE: UNIT 2 HAS BEEN CANCELLED.

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE 3.7-35
SEISMIC RESPONSE LOAD FOR SSE FOR SHEAR WALLS - COLUMN ROW "AM"



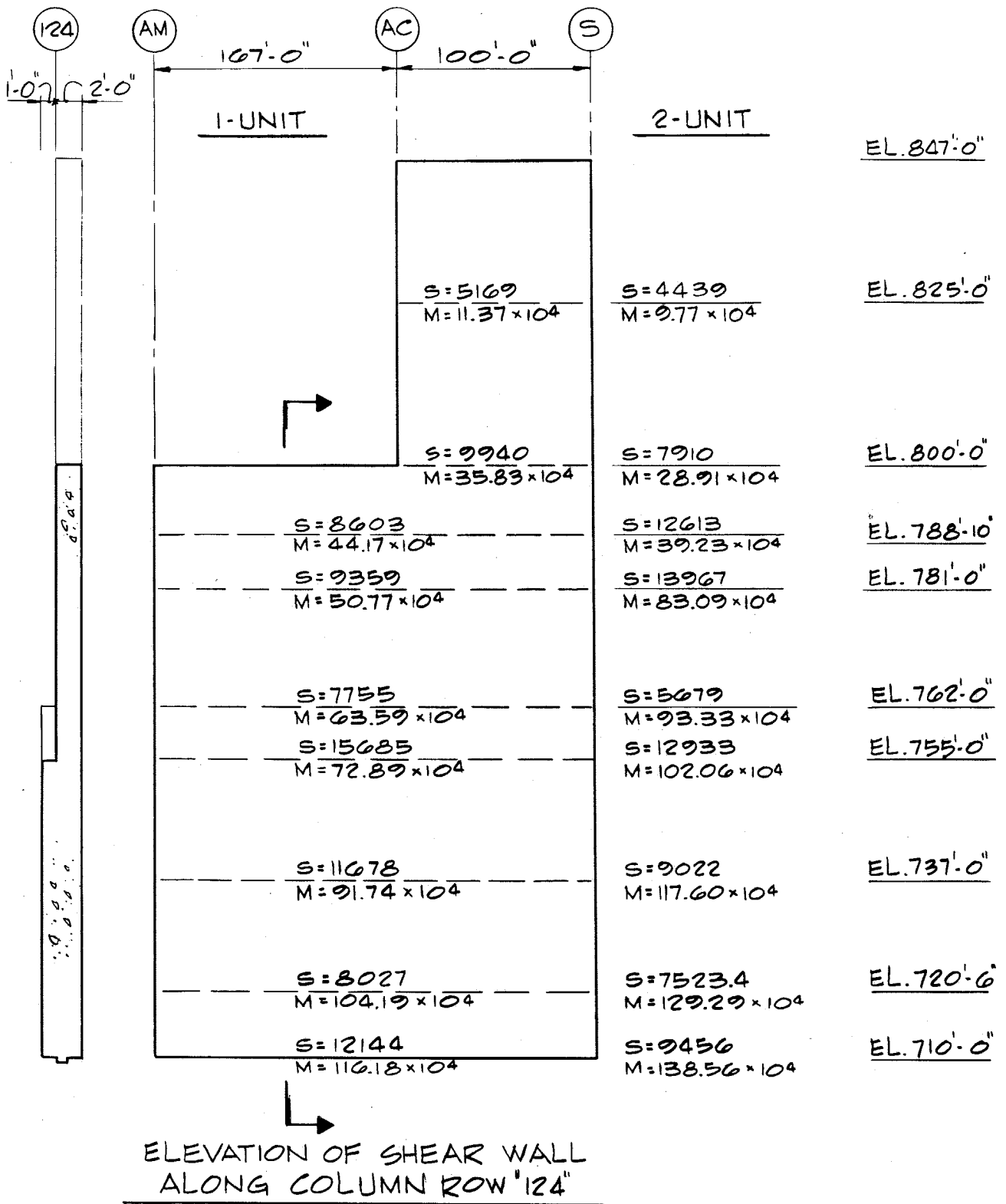
ELEVATION OF SHEAR WALL  
ALONG COLUMN ROW "102"

NOTES:

- "S" DENOTES SHEAR FORCE (KIPS).  
"M" DENOTES OVERTURNING MOMENTS (KIP-FT.).
- SHEAR FORCES AND MOMENTS SHOWN ARE FOR SSE LOADING.

NOTE: UNIT 2 HAS BEEN CANCELLED.

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE 3.7-36
SEISMIC RESPONSE LOAD FOR SSE FOR SHEAR WALLS - COLUMN ROW "102"



NOTES:  
 1. "S" DENOTES SHEAR FORCE (KIPS)  
 "M" DENOTES OVERTURNING MOMENTS (KIP-FT.)  
 2. SHEAR FORCES AND MOMENTS SHOWN ARE FOR SSE LOADING.

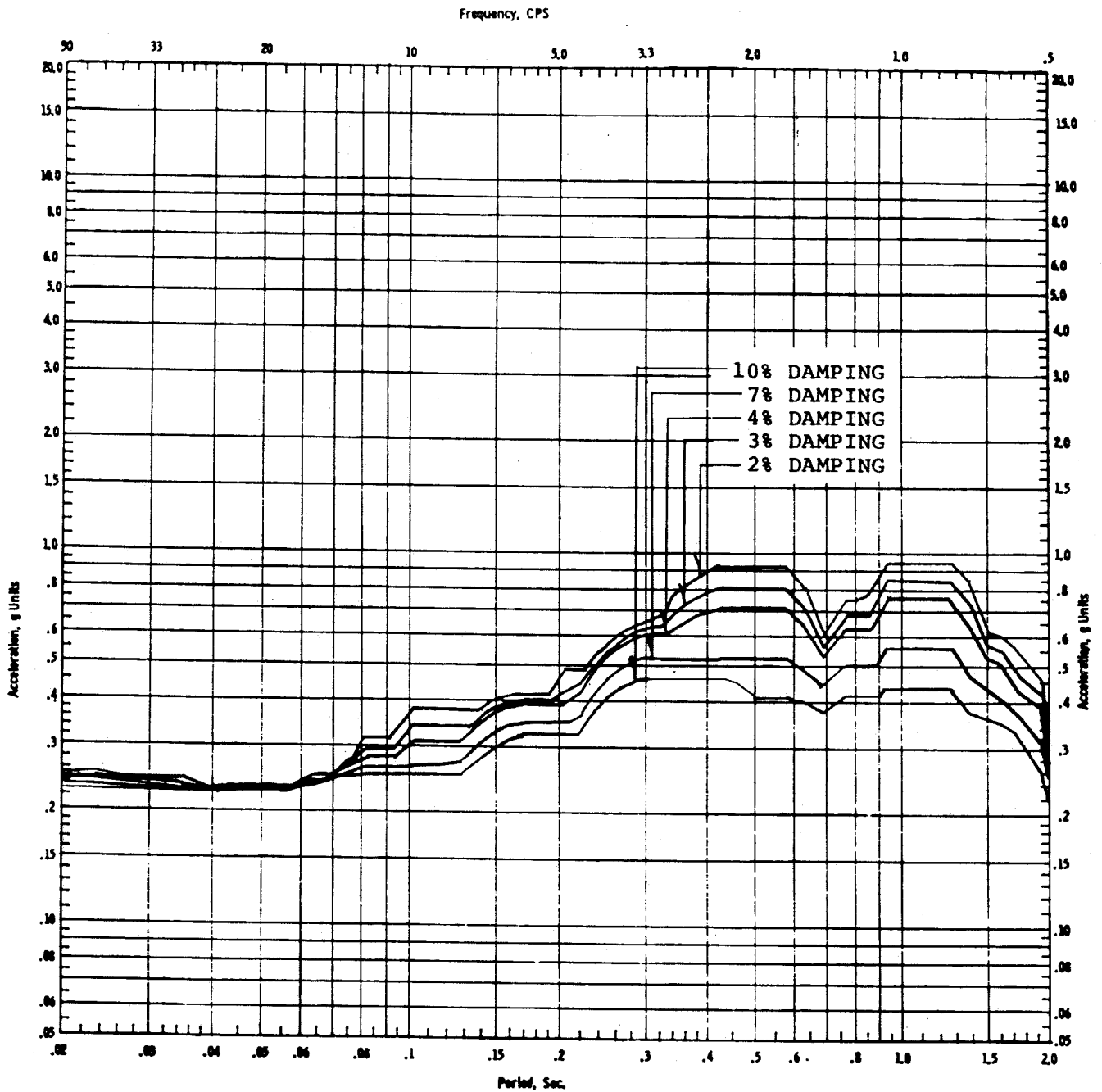
NOTE: UNIT 2 HAS BEEN CANCELLED.

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FIGURE 3.7-37

SEISMIC RESPONSE LOAD FOR SSE  
 FOR SHEAR WALLS - COLUMN ROW "124"





SPECTRA NO. 100-SS-EW  
 200-SS-EW

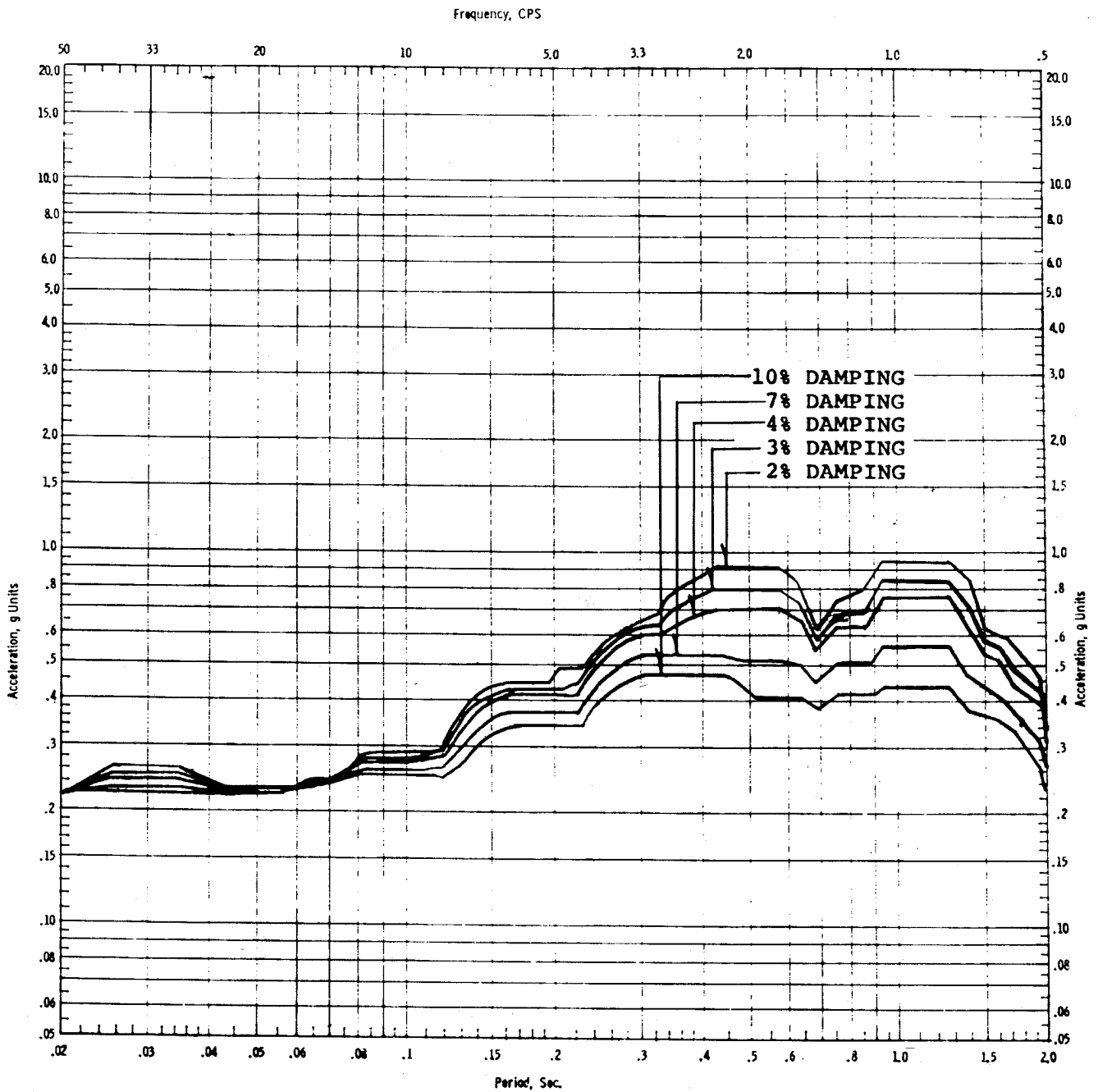
LOCATION Aux., Fuel, Control, Diesel,  
 Radwaste & Turbine Bldgs.

ELEVATION: Basemat Floor

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FIGURE 3.7-38

HORIZONTAL SSE RESPONSE SPECTRA  
 AT BASE MAT FLOOR - X DIRECTION



SPECTRA NO. 100-SS-NS  
200-SS-NS.

LOCATION: Aux., Fuel, Control,  
Diesel, Radwaste & Turbine  
Bldgs.

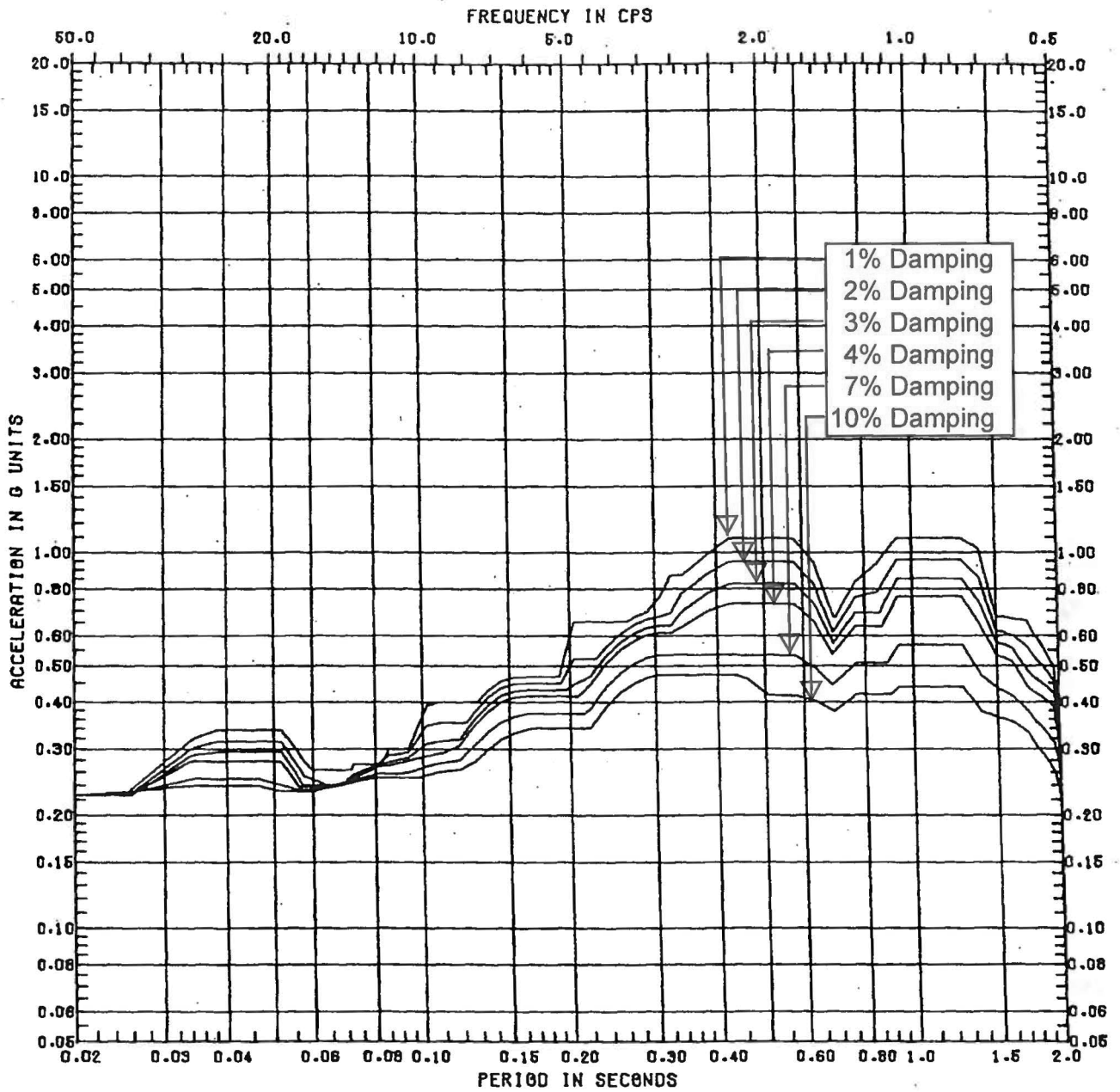
ELEVATION:

Basemat Floor

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FIGURE 3.7-39

HORIZONTAL SSE RESPONSE SPECTRA  
AT BASE MAT FLOOR - Y DIRECTION



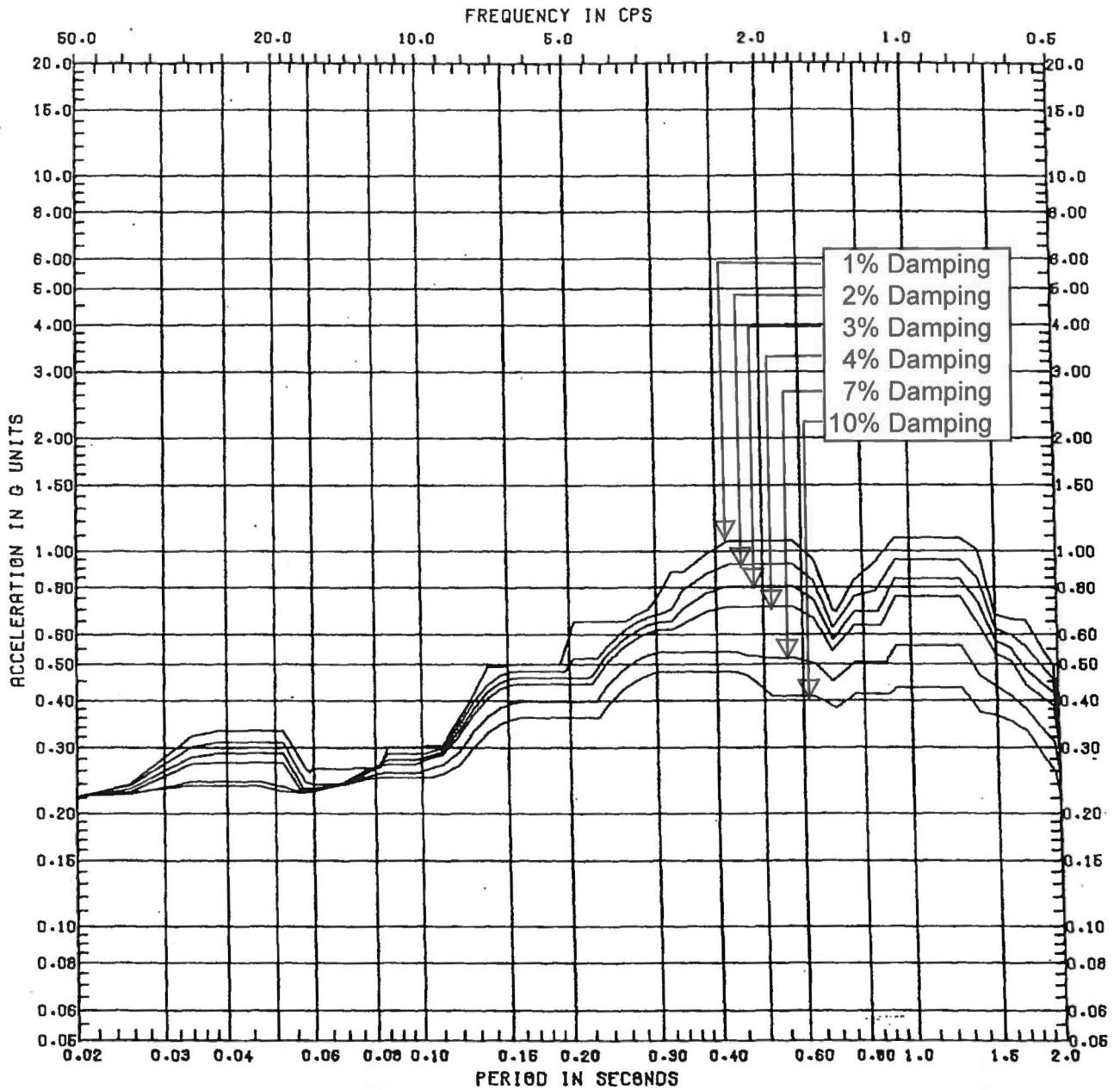
HORIZ. RESPONSE SPECTRA  
ELEVATION 742'-8"  
LOCATION Sacrificial Shield,  
Pedestal (RPV)

SPECTRA NO. 317-SS-EW  
322-SS-EW  
REVISION NO. 02

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FIGURE 3.7-40

HORIZONTAL SSE RESPONSE SPECTRA  
AT 742'-8," SACRIFICIAL  
SHIELD PEDESTAL - X DIRECTION



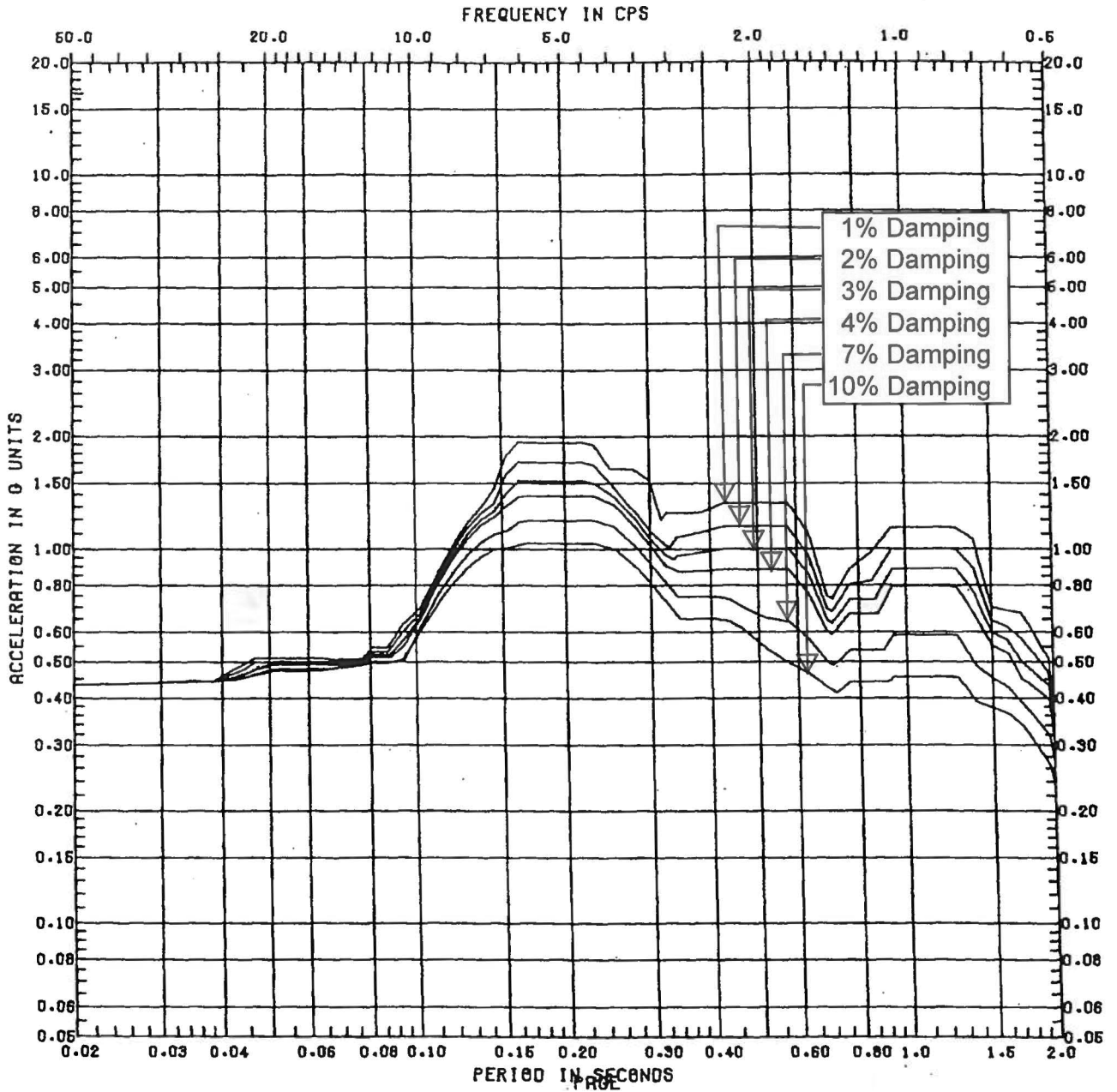
HORIZ RESPONSE SPECTRA  
ELEVATION 742'-8"  
LOCATION Sacrificial Shield,  
Pedestal (RPV)

SPECTRA NO. 317-SS-NS  
322-SS-NS  
REVISION NO. 02

CLINTON POWER STATION  
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FIGURE 3.7-41

HORIZONTAL SSE RESPONSE SPECTRA  
AT 742'-8", SACRIFICIAL  
SHIELD PEDESTAL - Y DIRECTION



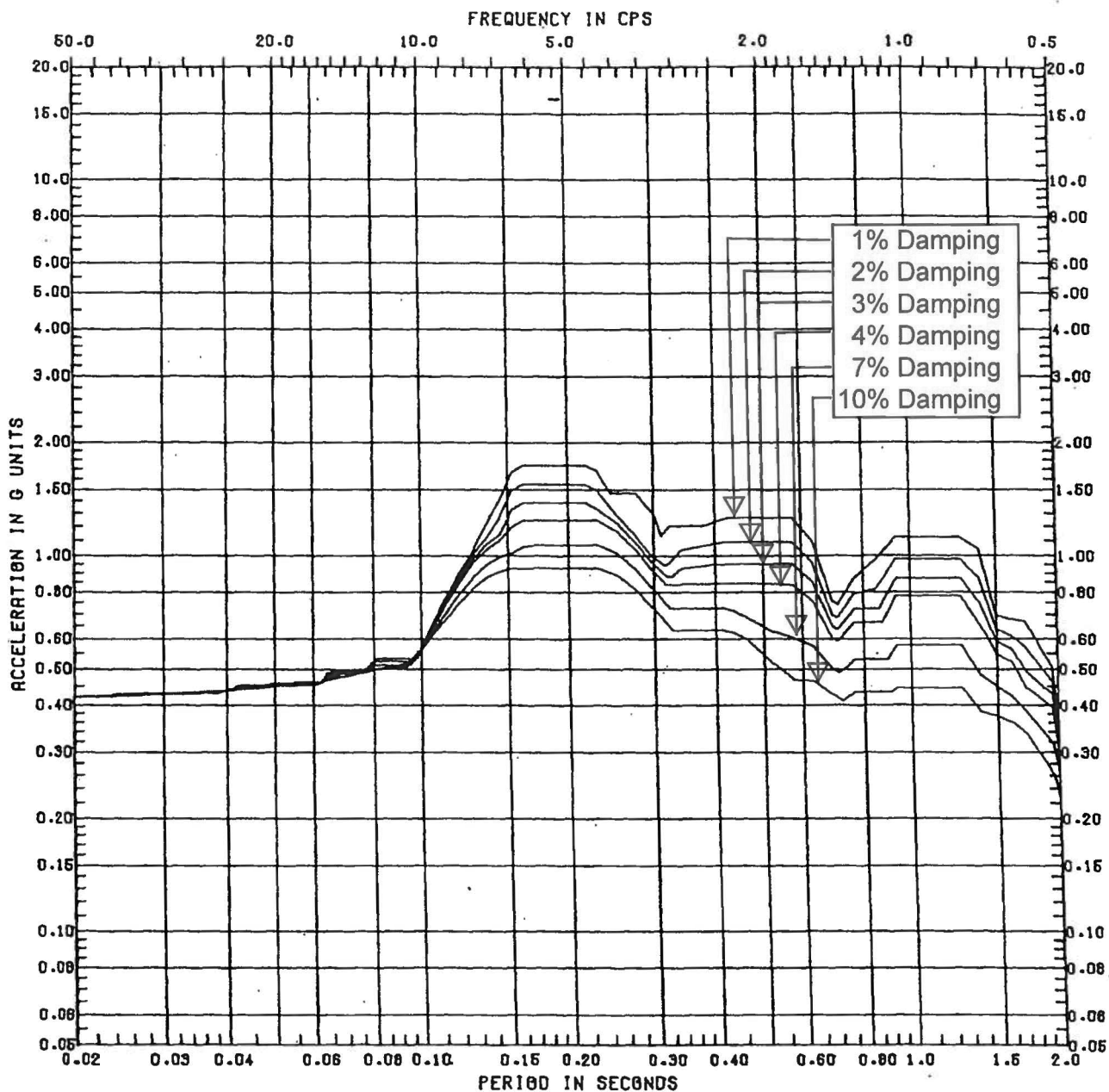
HORIZ. RESPONSE SPECTRA  
ELEVATION 803'-3", 828'-3"  
LOCATION Drywell

SPECTRA NO. 315-SS-EW  
316-SS-EW  
REVISION NO. 02

CLINTON POWER STATION  
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FIGURE 3.7-42

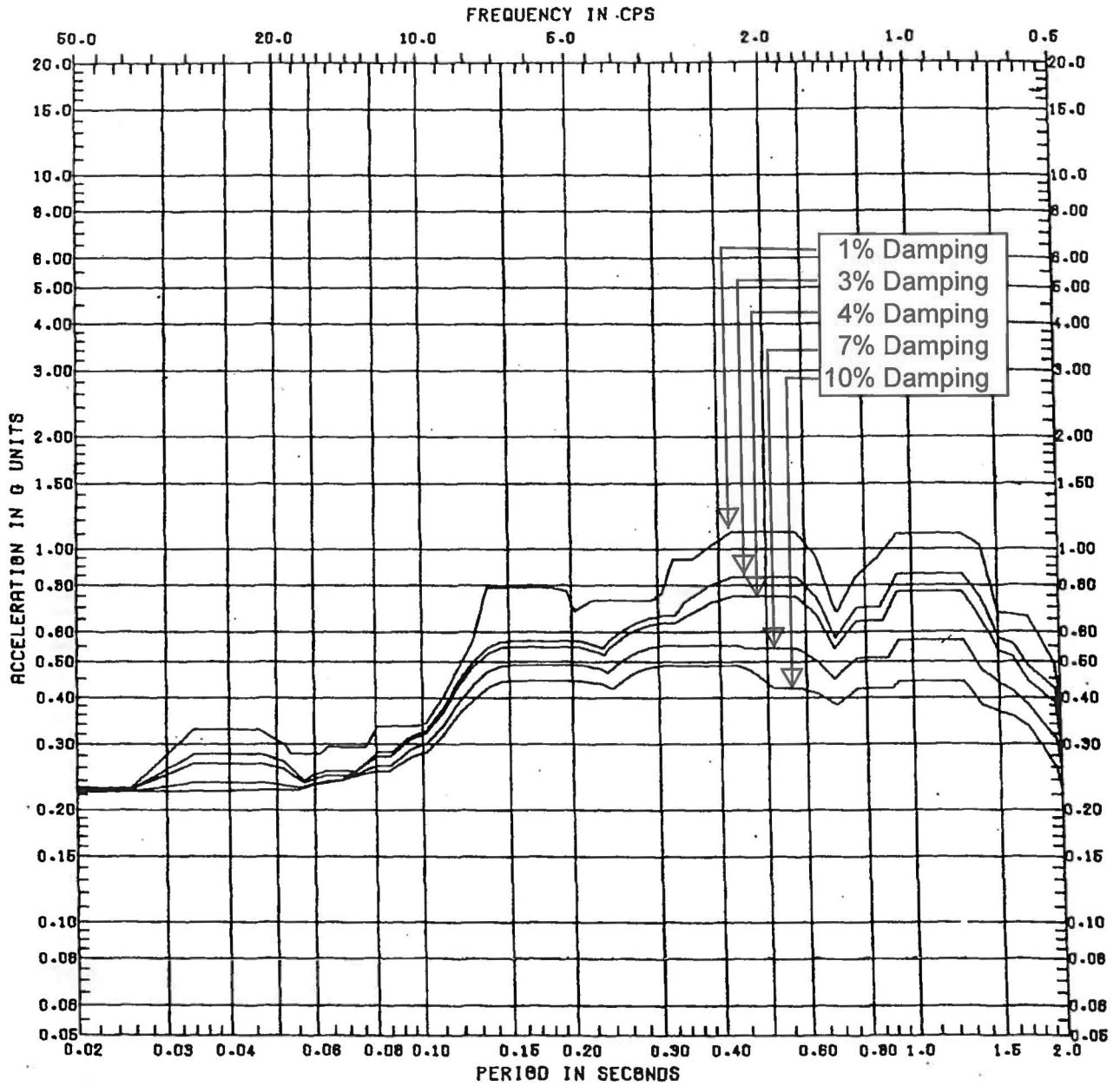
HORIZONTAL SSE RESPONSE SPECTRA  
AT 803'-3" AND 828'-3",  
DRYWELL - X DIRECTION



HORIZ. RESPONSE SPECTRA  
ELEVATION 803'-3", 828'-3"  
LOCATION Drywell

SPECTRA NO. 315-SS-NS  
316-SS-NS  
REVISION NO. 02

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT  
FIGURE 3.7-43  
HORIZONTAL SSE RESPONSE SPECTRA  
AT 803'-3" AND 828'-3",  
DRYWELL - Y DIRECTION



HORIZ RESPONSE SPECTRA

SPECTRA NO 102 to 102e-SS-EW  
202-SS-EW

ELEVATION 737'-0"

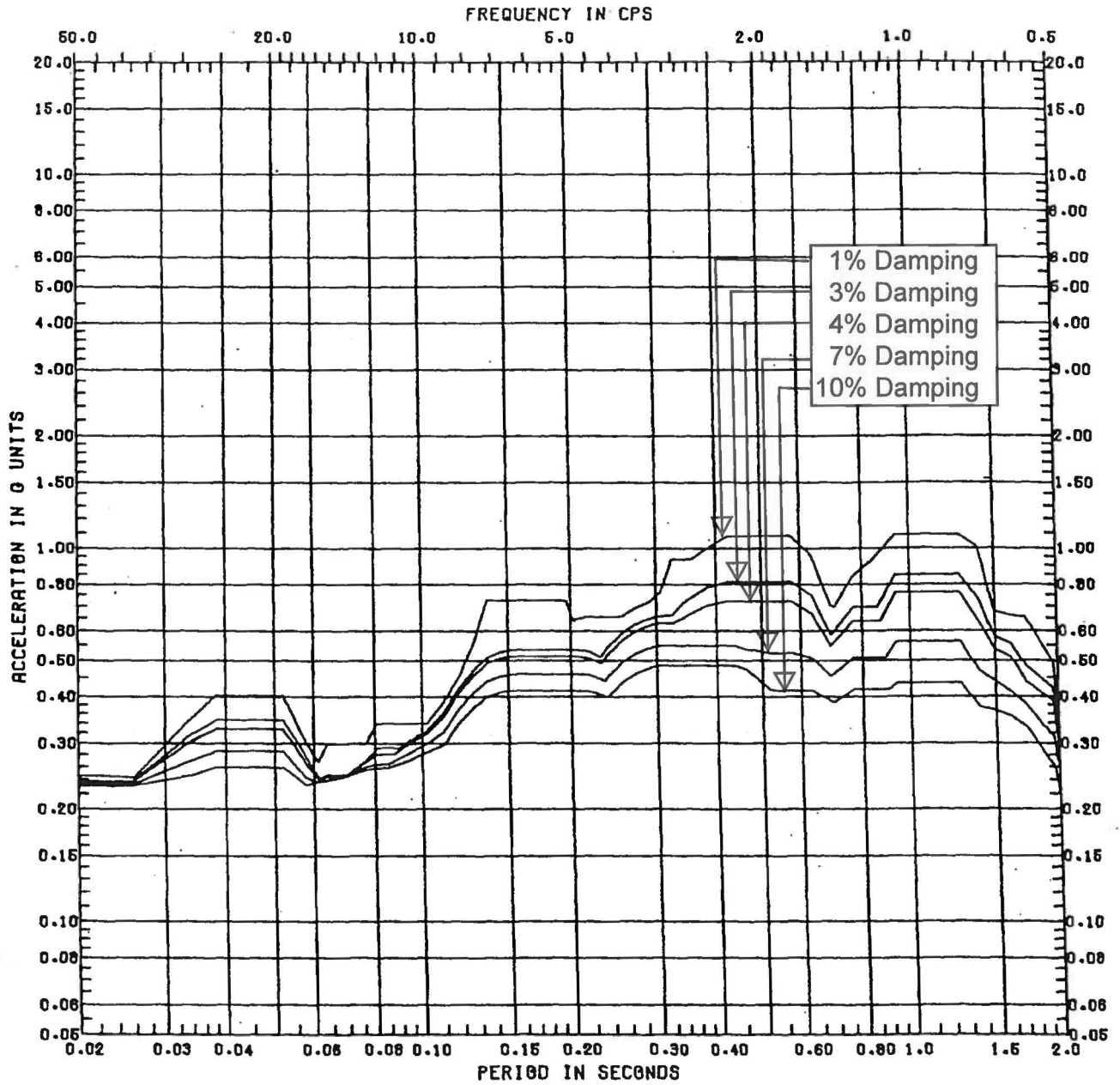
LOCATION Aux., Fuel, Control, Diesel,  
Radwaste, & Turbine Bldgs.

REVISION NO.02

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-44

HORIZONTAL SSE RESPONSE SPECTRA  
AT 737'-0" MAIN  
BUILDING - X DIRECTION



HORIZ. RESPONSE SPECTRA

SPECTRA NO 102 to 102e-SS-NS  
202-SS-NS

ELEVATION 737'-0"

LOCATION Aux., Fuel, Control,  
Diesel, Radwaste, & Turbine  
Bldgs.

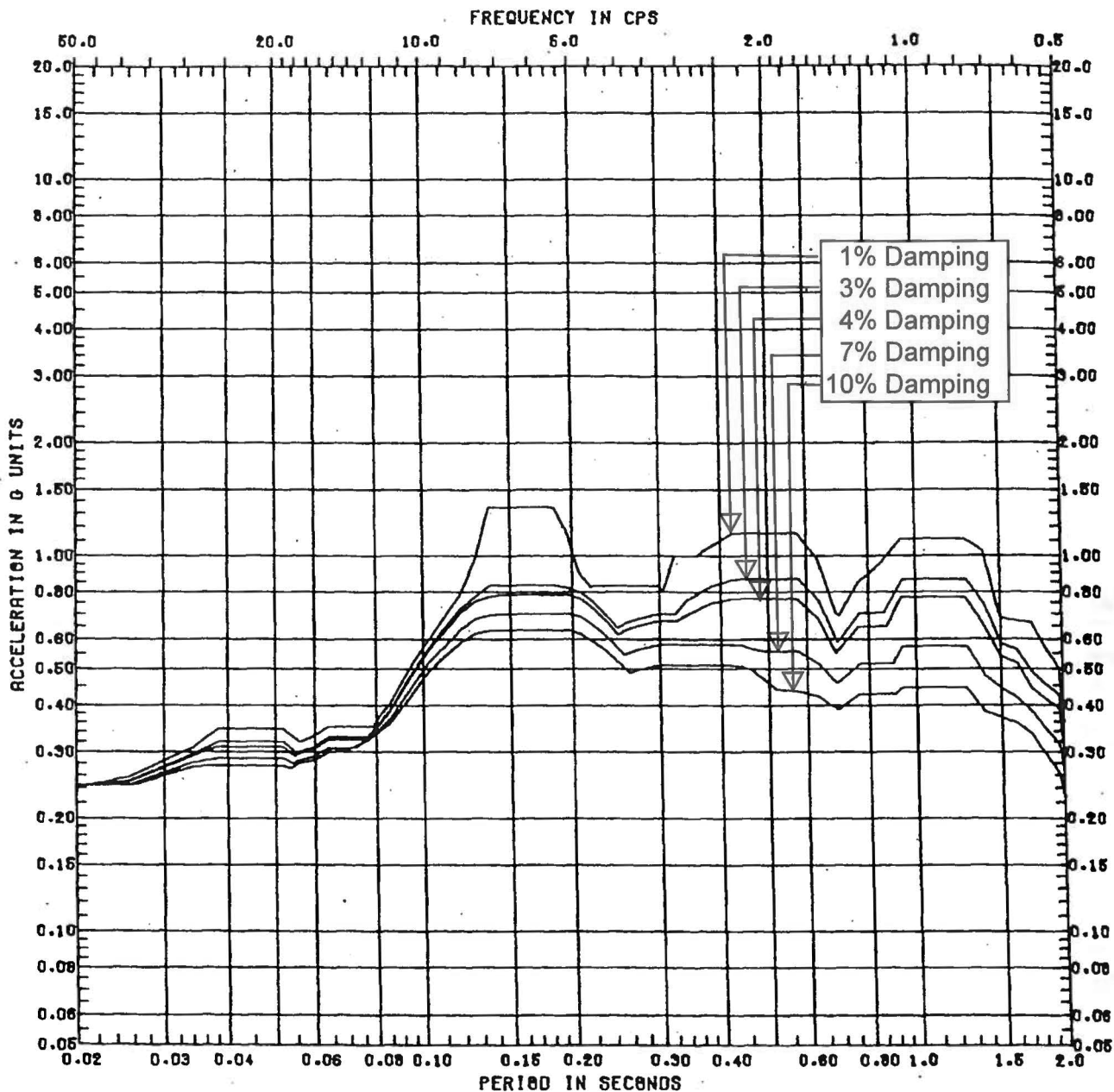
REVISION NO-02

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-45

HORIZONTAL SSE RESPONSE SPECTRA  
AT 737'-0" MAIN  
BUILDING - Y DIRECTION





HORIZ. RESPONSE SPECTRA

ELEVATION 762'-0"

LOCATION Aux., Control, Diesel,  
Radwaste & Turbine Bldgs.

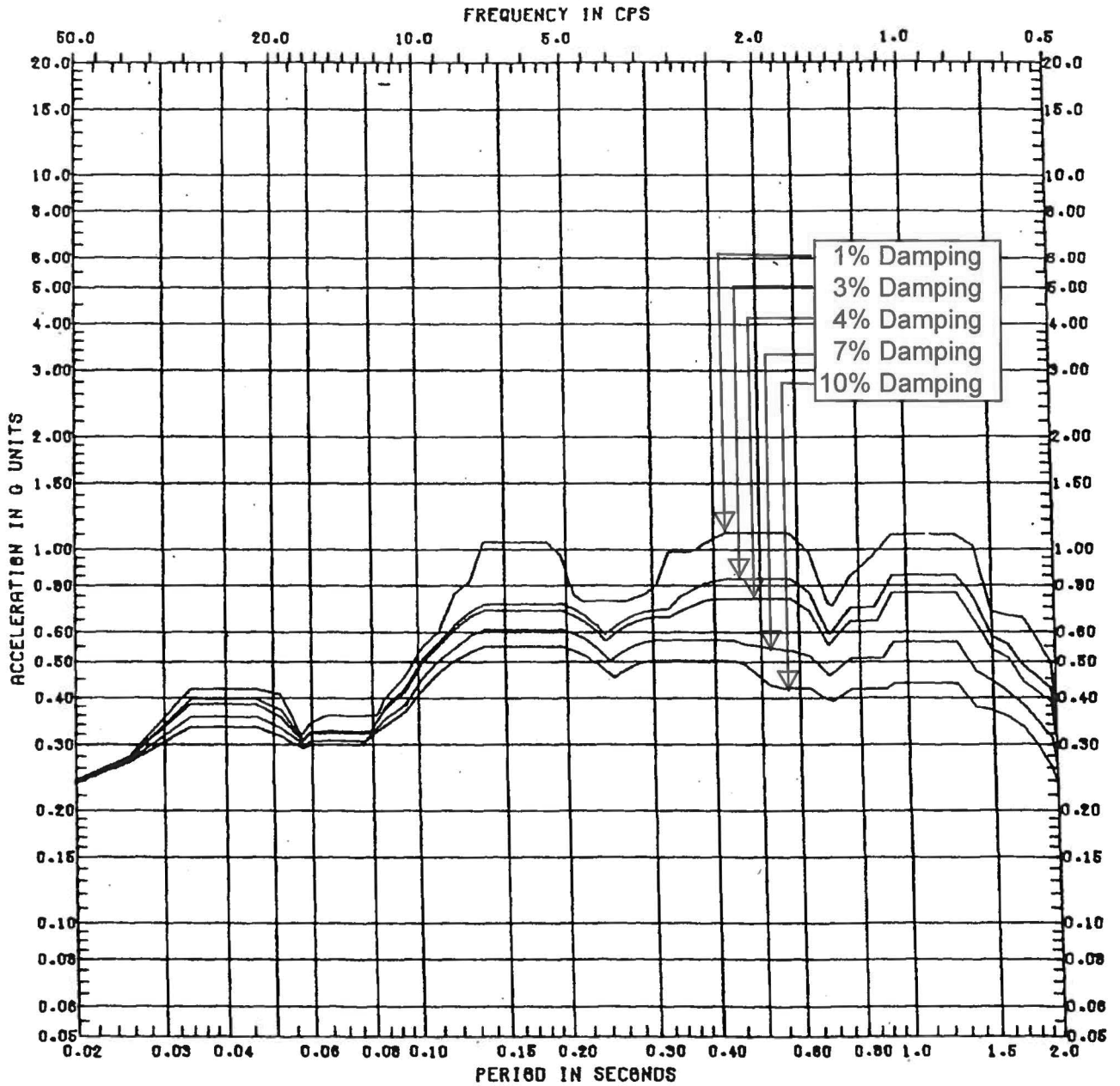
SPECTRA NO. 105 to 105d-SS-EW  
205-SS-EW

REVISION NO. 02

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UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-46

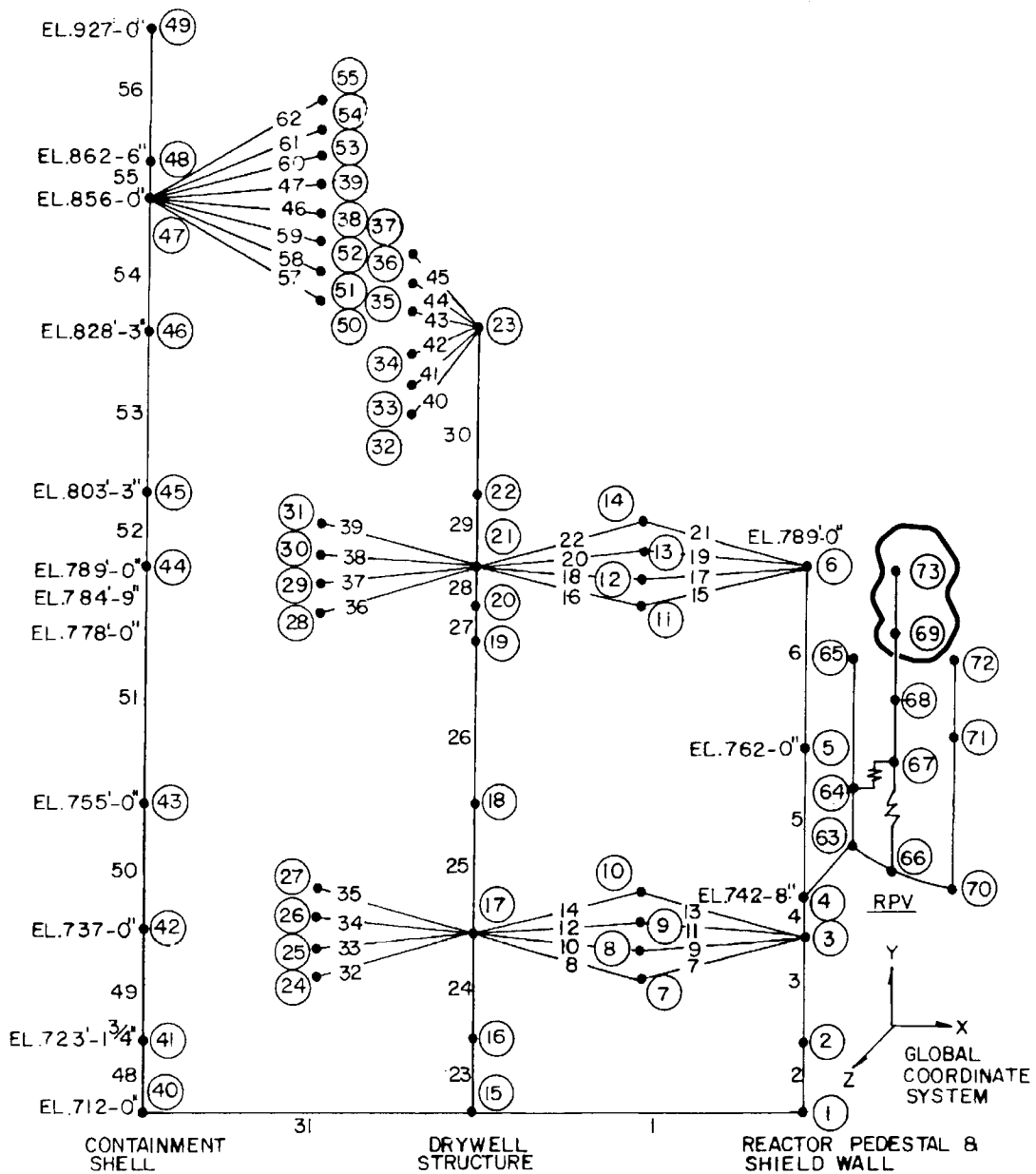
HORIZONTAL SSE RESPONSE SPECTRA  
AT 762'-0" MAIN  
BUILDING - X DIRECTION



HORIZ. RESPONSE SPECTRA  
ELEVATION 762'-0"  
LOCATION Aux., Control, Diesel,  
Radwaste & Turbine Bldgs

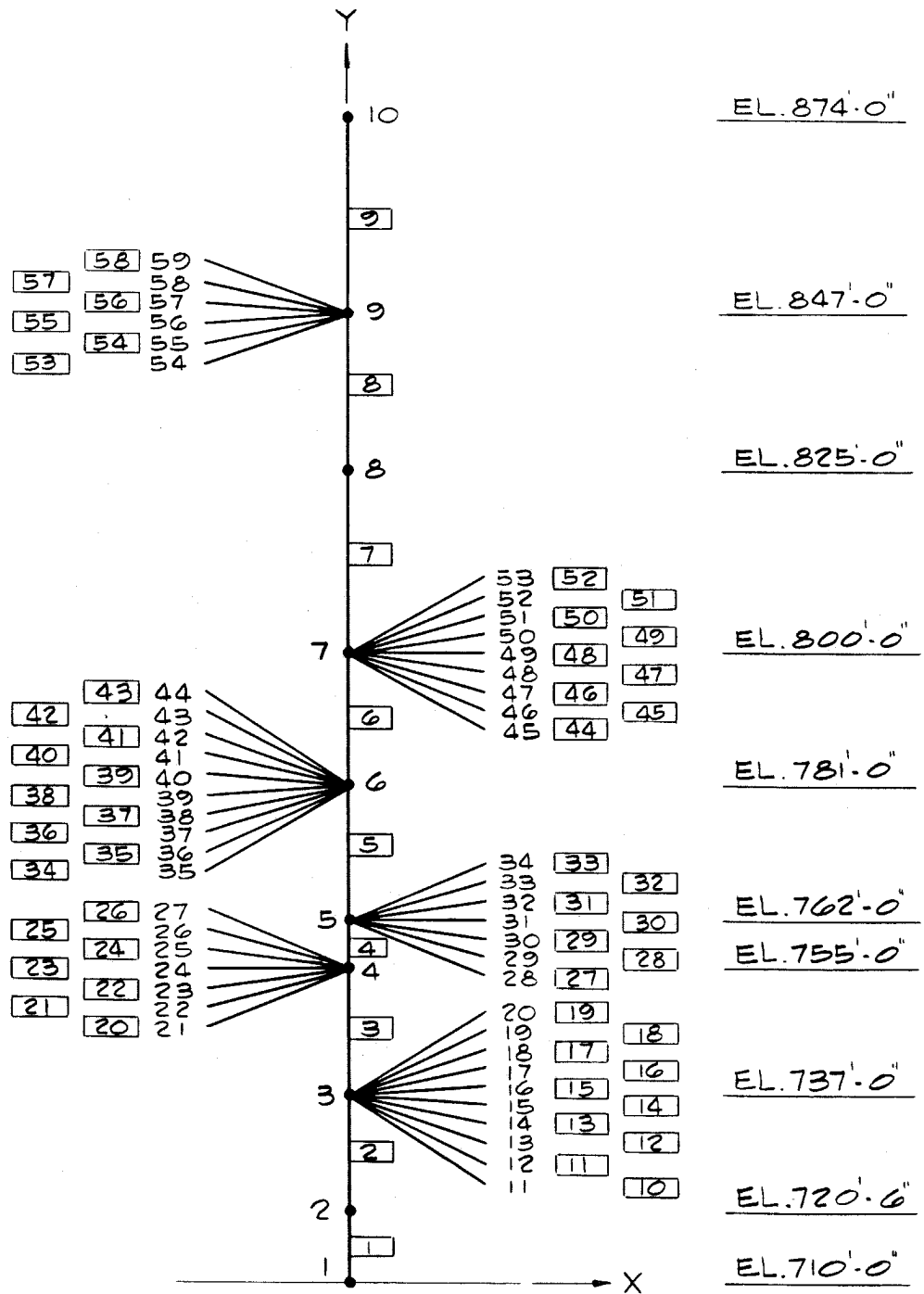
SPECTRA NO-105 to 105d-SS-NS  
205-SS-NS  
REVISION NO.02

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT  
FIGURE 3.7-47  
HORIZONTAL SSE RESPONSE SPECTRA  
AT 762'-0" MAIN  
BUILDING - Y DIRECTION

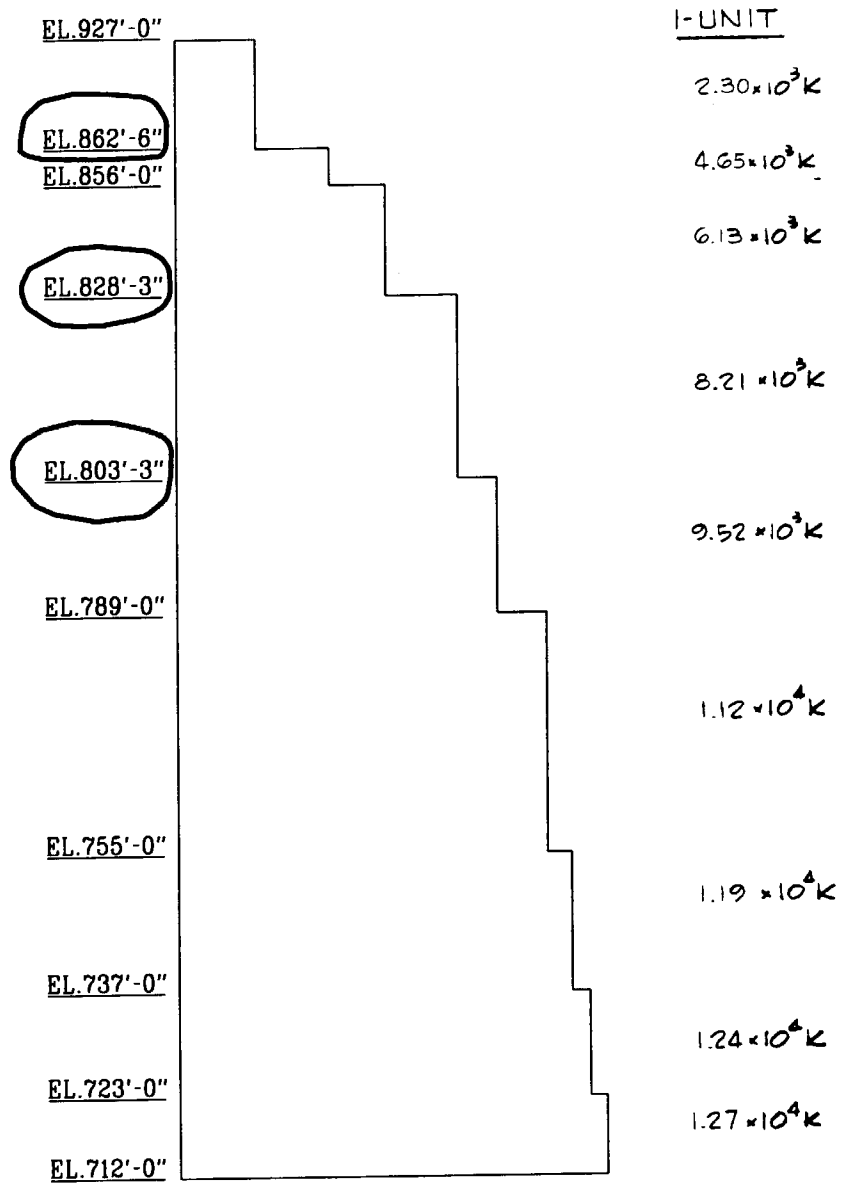


CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-48  
CONTAINMENT BUILDING  
MODEL FOR VERTICAL EXCITATION

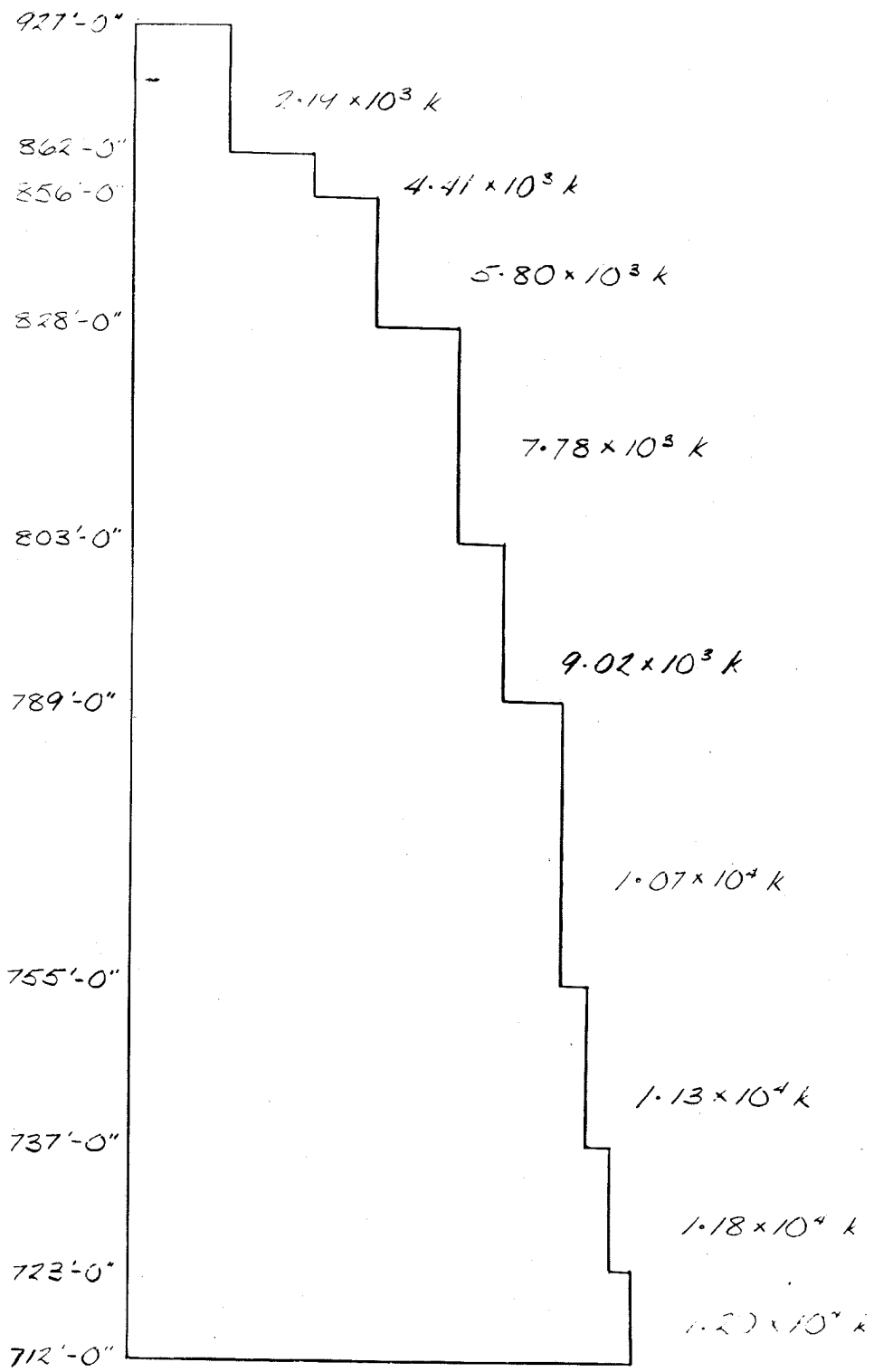


**CLINTON POWER STATION**  
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 FIGURE 3.7-49  
 MAIN BUILDING MODEL  
 FOR VERTICAL EXCITATION



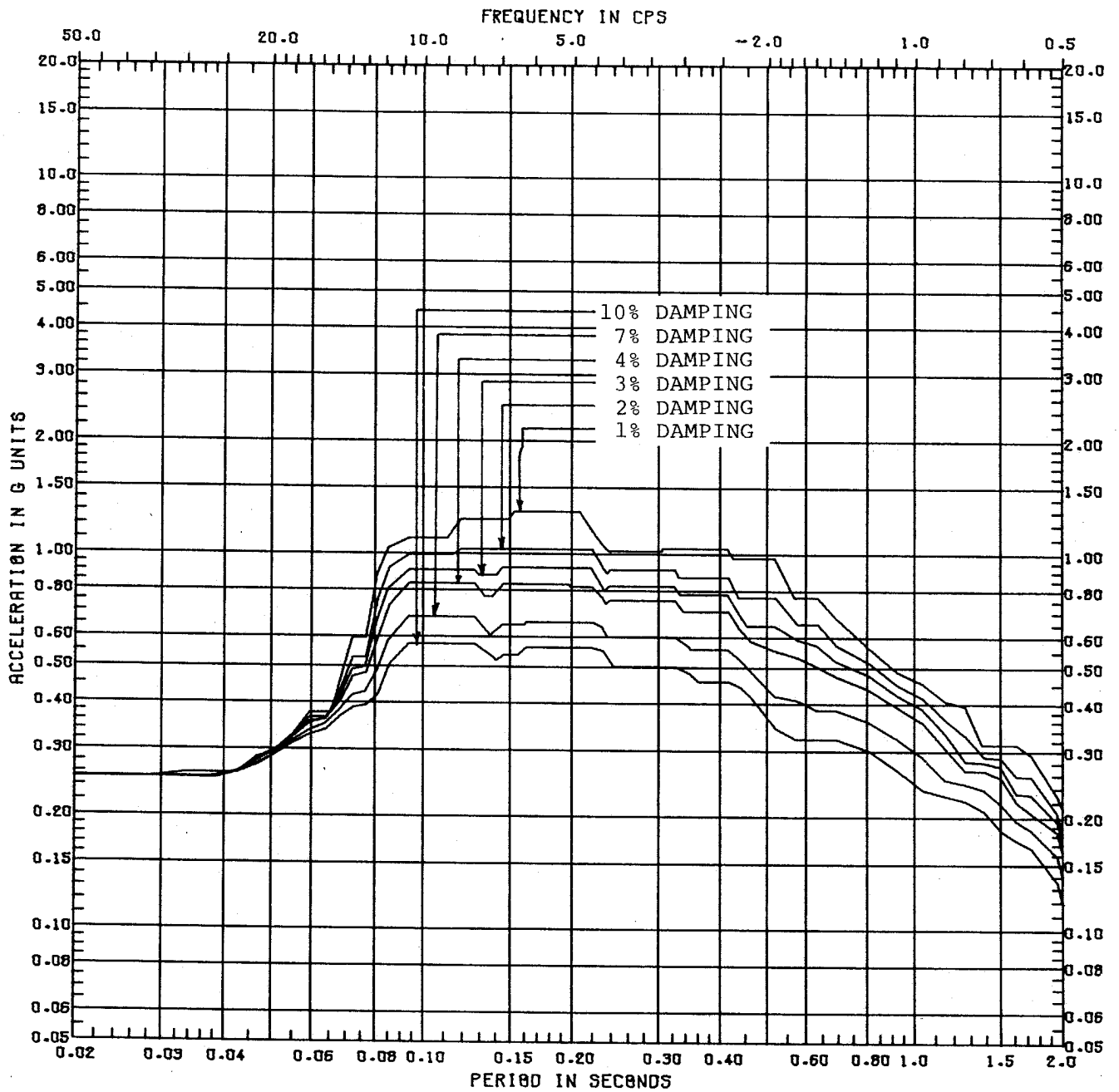
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UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-50  
SEISMIC SSE LOAD FOR AXIAL  
FORCES FOR CONTAINMENT-1-UNIT



NOTE: UNIT 2 HAS BEEN CANCELLED.

<b>CLINTON POWER STATION          UPDATED SAFETY ANALYSIS REPORT</b>
FIGURE 3.7-51 TOTAL AXIAL FORCE - CONTAINMENT 2-UNIT VERTICAL SSE

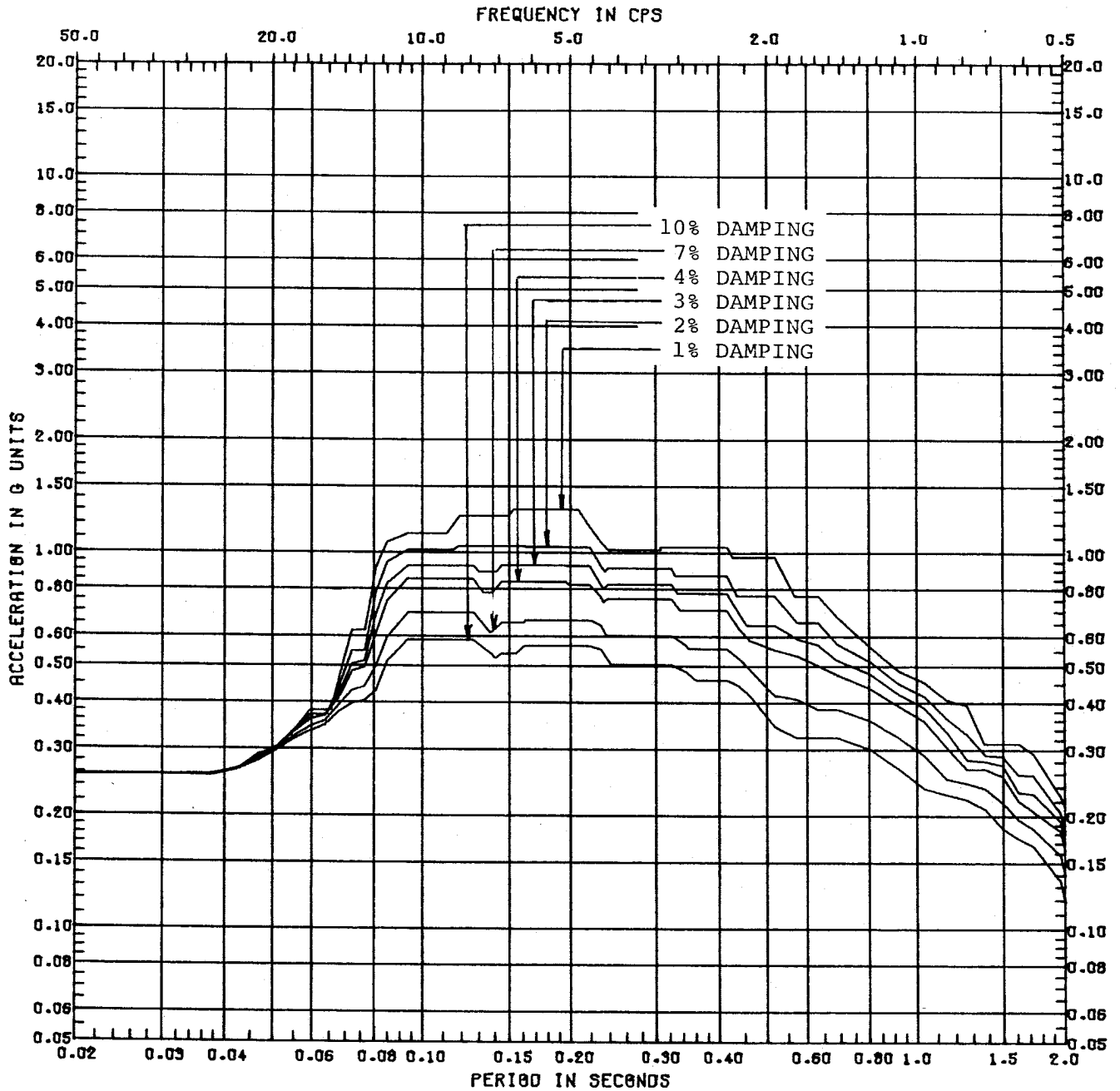


VERT RESPONSE SPECTRA      SPECTRA NO. 100-SS-VS & VII  
 ELEVATION Basemat Floor  
 LOCATION Aux., Fuel, Control, Diesel, Radwaste & Turbine Bldgs.      REVISION NO. 05

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FIGURE 3.7-52

VERTICAL SSE RESPONSE SPECTRA  
 AT BASE MAT FLOOR

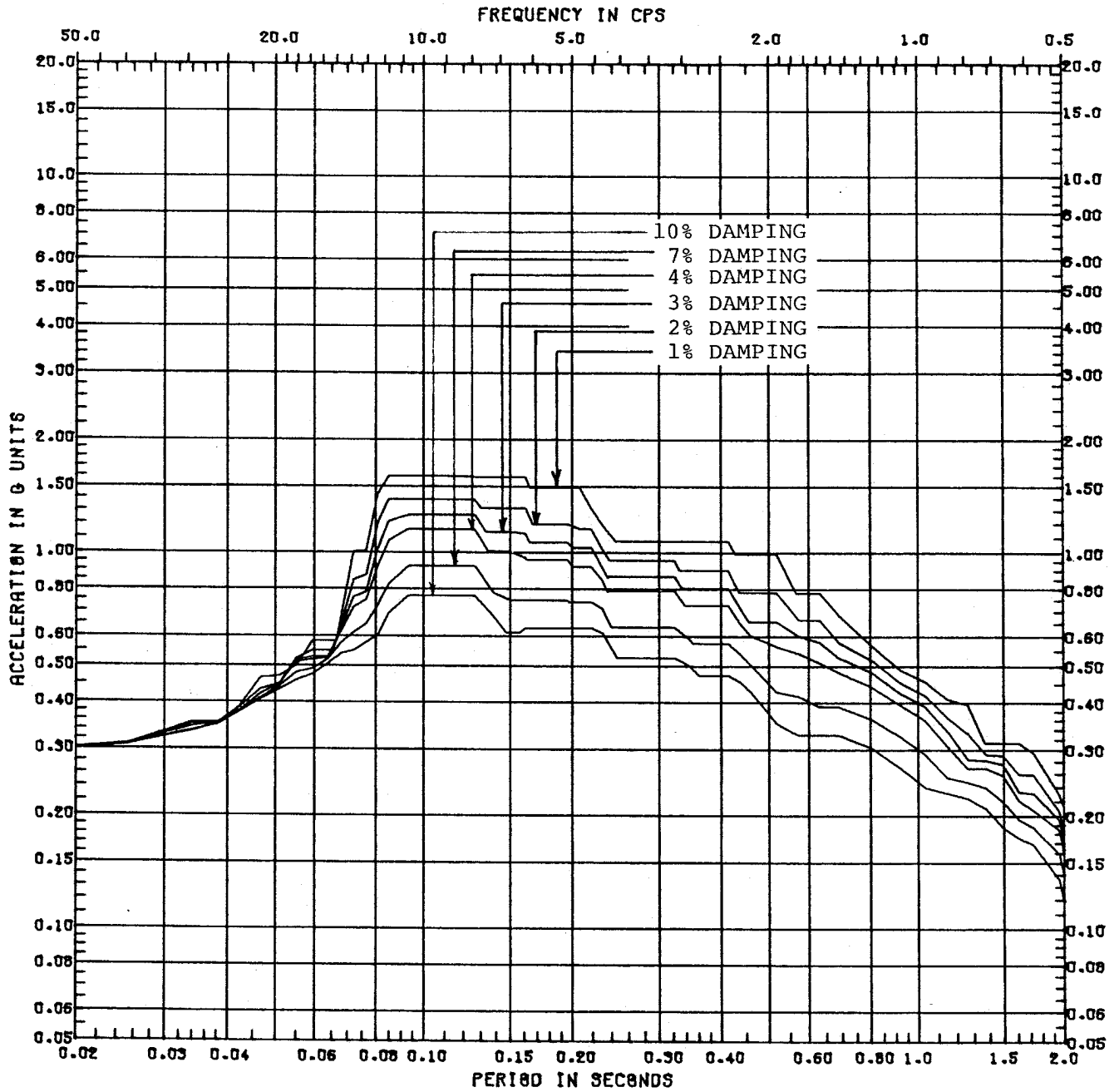


**VERT RESPONSE SPECTRA**  
**ELEVATION** 742'-8"  
**LOCATION** Sacrificial Shield,  
 Pedestal, RPV Base

317-SS-VW  
**SPECTRA NO.** 322-SS-VW  
 400-SS-VW  
**REVISION NO.** 05

**CLINTON POWER STATION**  
**UPDATED SAFETY ANALYSIS REPORT**  
 FIGURE 3.7-53  
 VERTICAL SSE RESPONSE SPECTRA  
 AT 742'-8", SACRIFICIAL SHIELD  
 PEDESTAL RPV BASE





VERT RESPONSE SPECTRA  
 ELEVATION 803'-3"  
 LOCATION Drywell

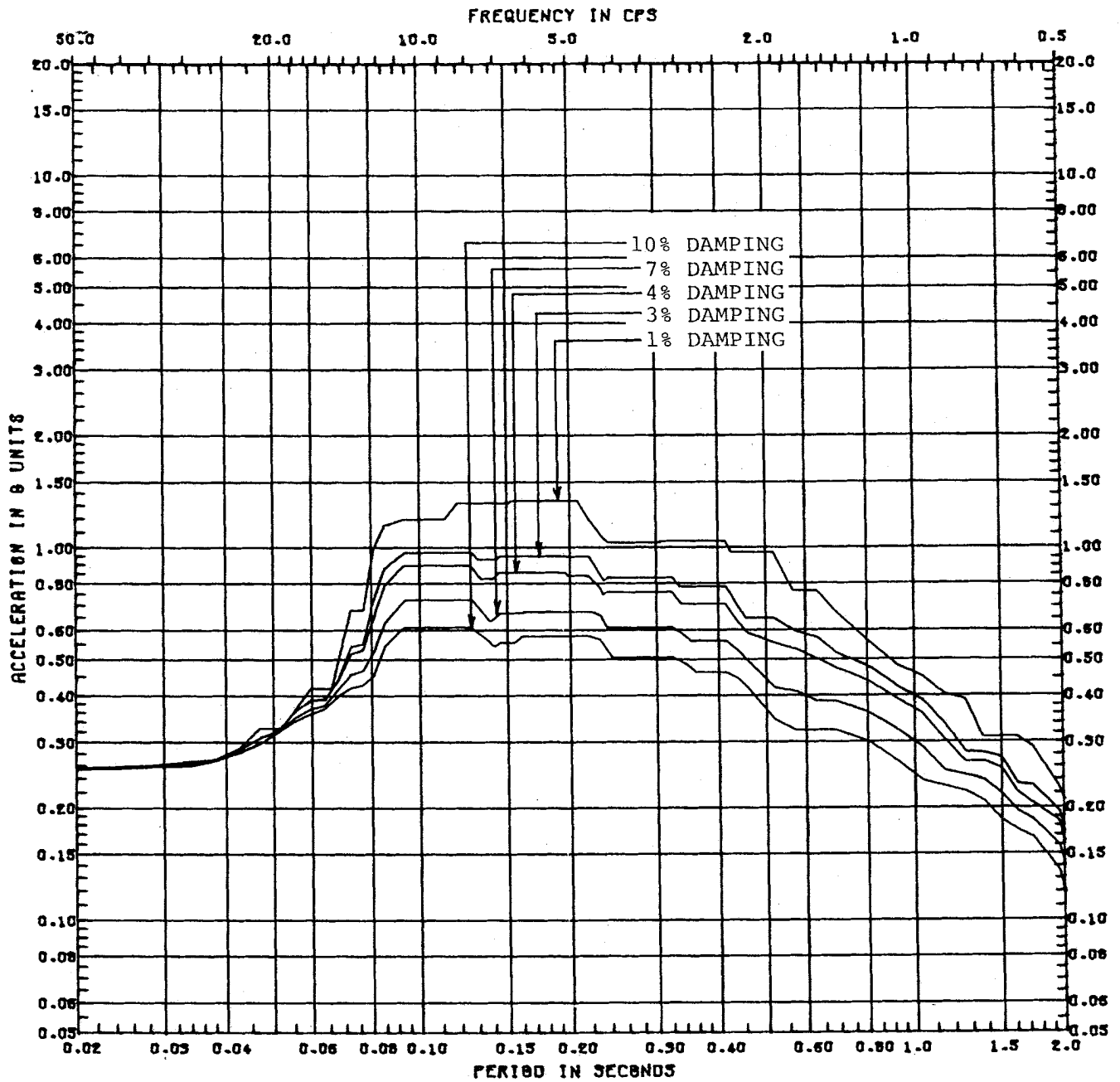
SPECTRA NO. 315-SS-VW

REVISION NO. 05

CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-54

VERTICAL SSE RESPONSE SPECTRA  
 AT 803'-3" DRYWELL



VERT RESPONSE SPECTRA

SPECTRA NO. 102 to 102e-SS-VW

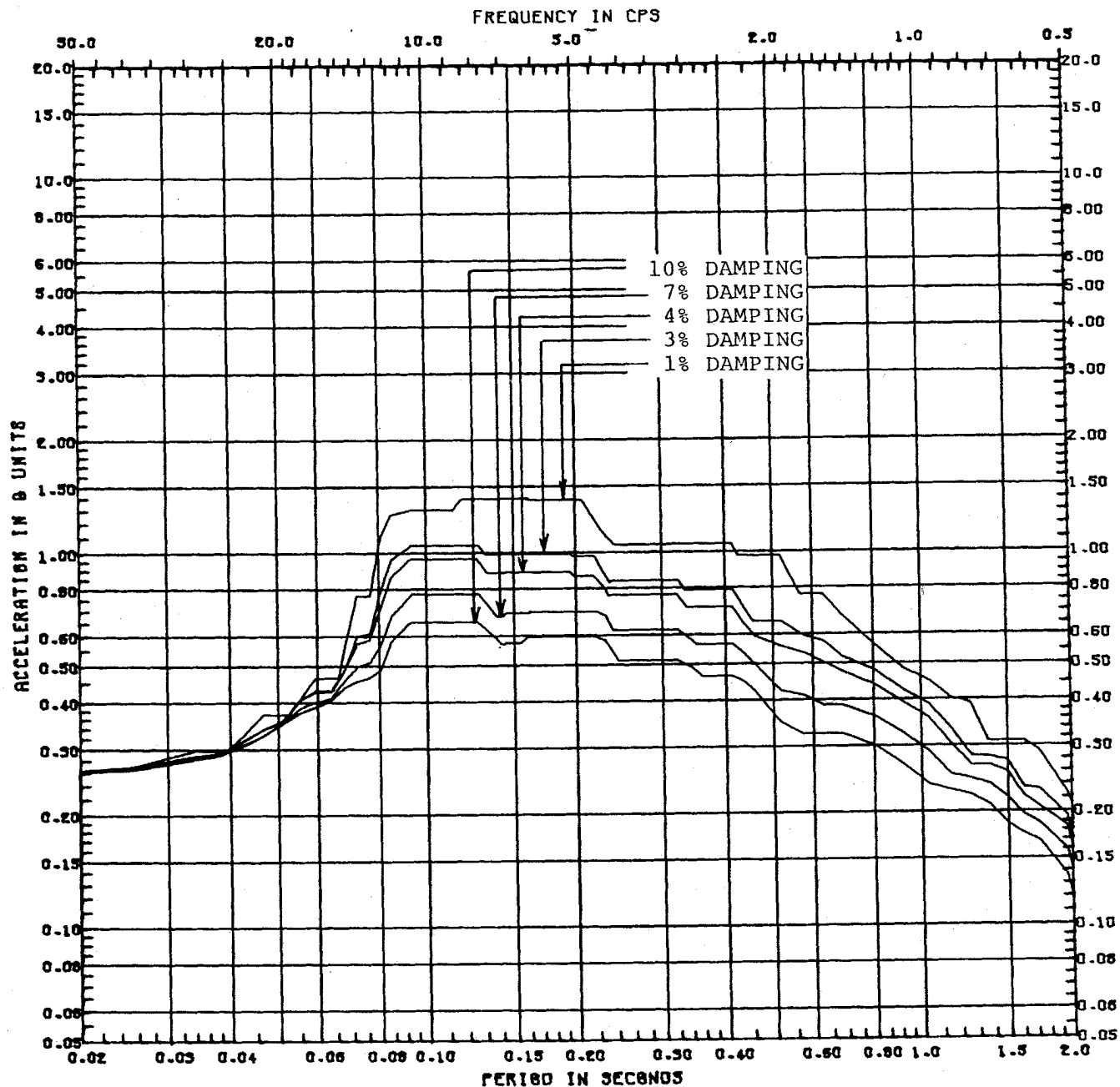
ELEVATION 737'-0"

LOCATION Aux, Fuel, Control, Radwaste. Diesel Bldgs. REVISION NO. 05

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FIGURE 3.7-55

VERTICAL SSE RESPONSE SPECTRA  
AT 737'-0" MAIN BUILDING



**VERT RESPONSE SPECTRA**

**SPECTRA NO. 105 to 105d-SS-VW**

**ELEVATION** 762'-0"

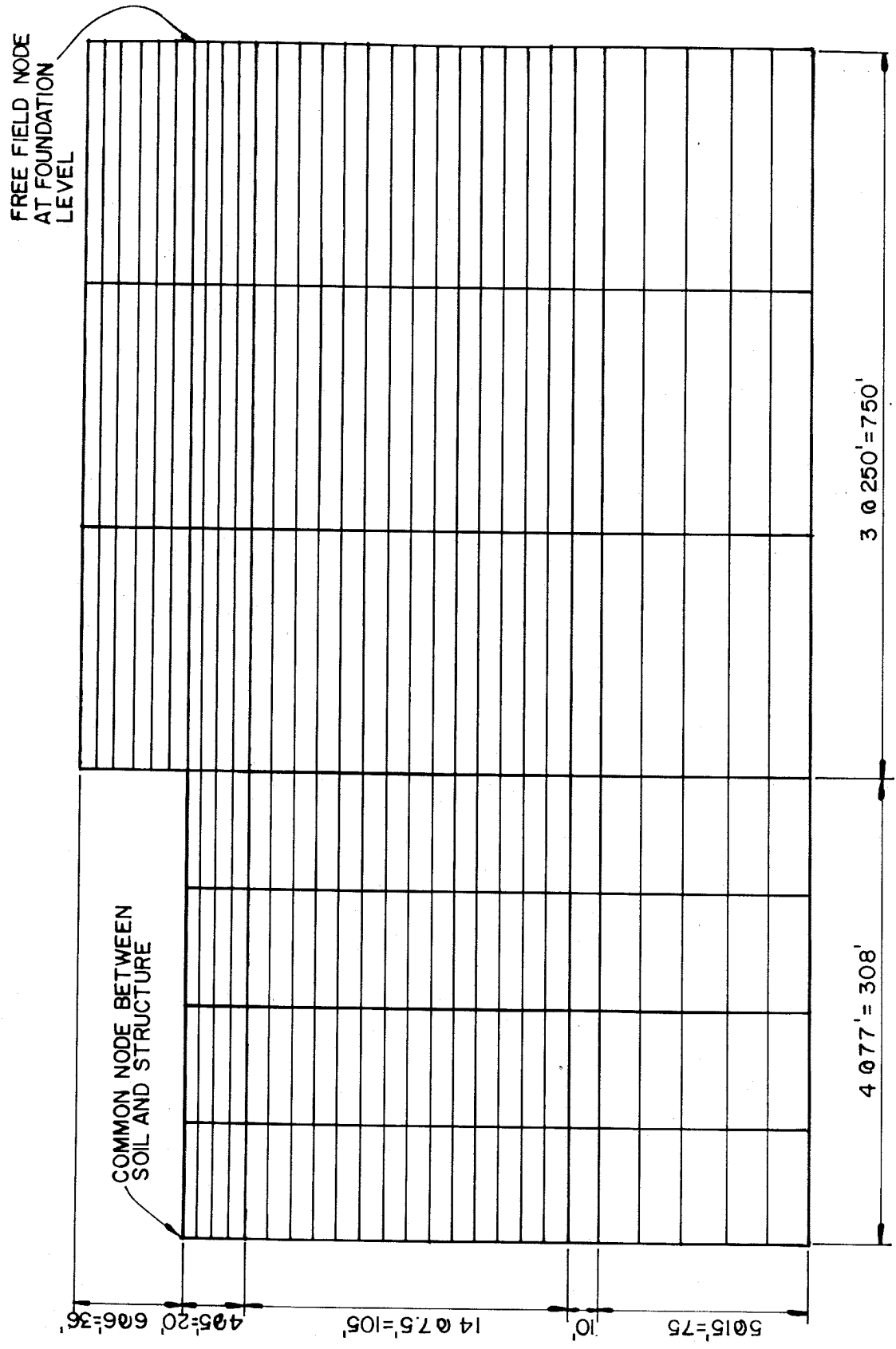
**LOCATION** Aux., Control, Radwaste,  
Diesel Bldgs.

**REVISION NO.** 05

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FIGURE 3.7-56

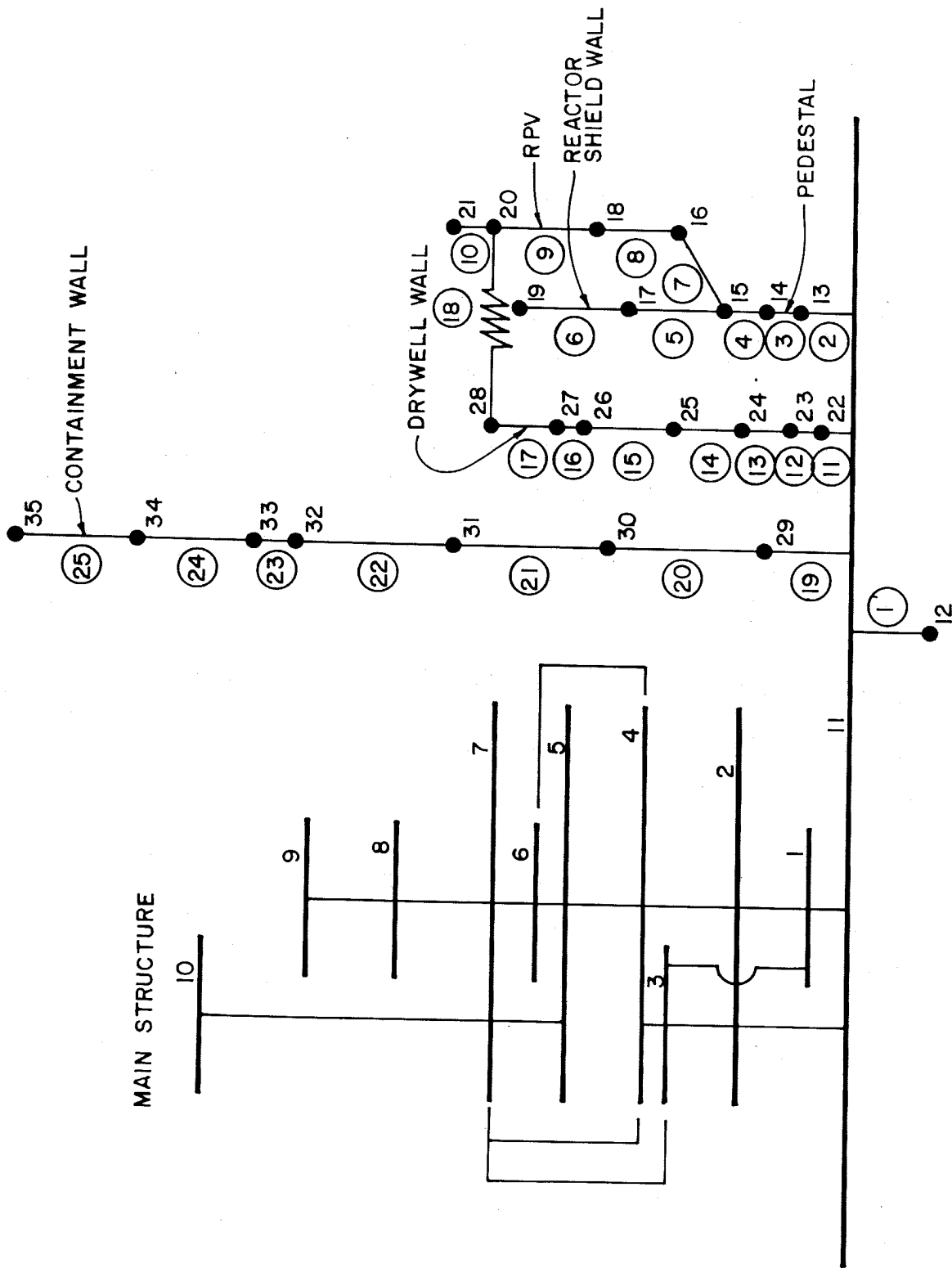
VERTICAL SSE RESPONSE SPECTRA  
AT 762'-0" MAIN BUILDING



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FIGURE 3.7-57

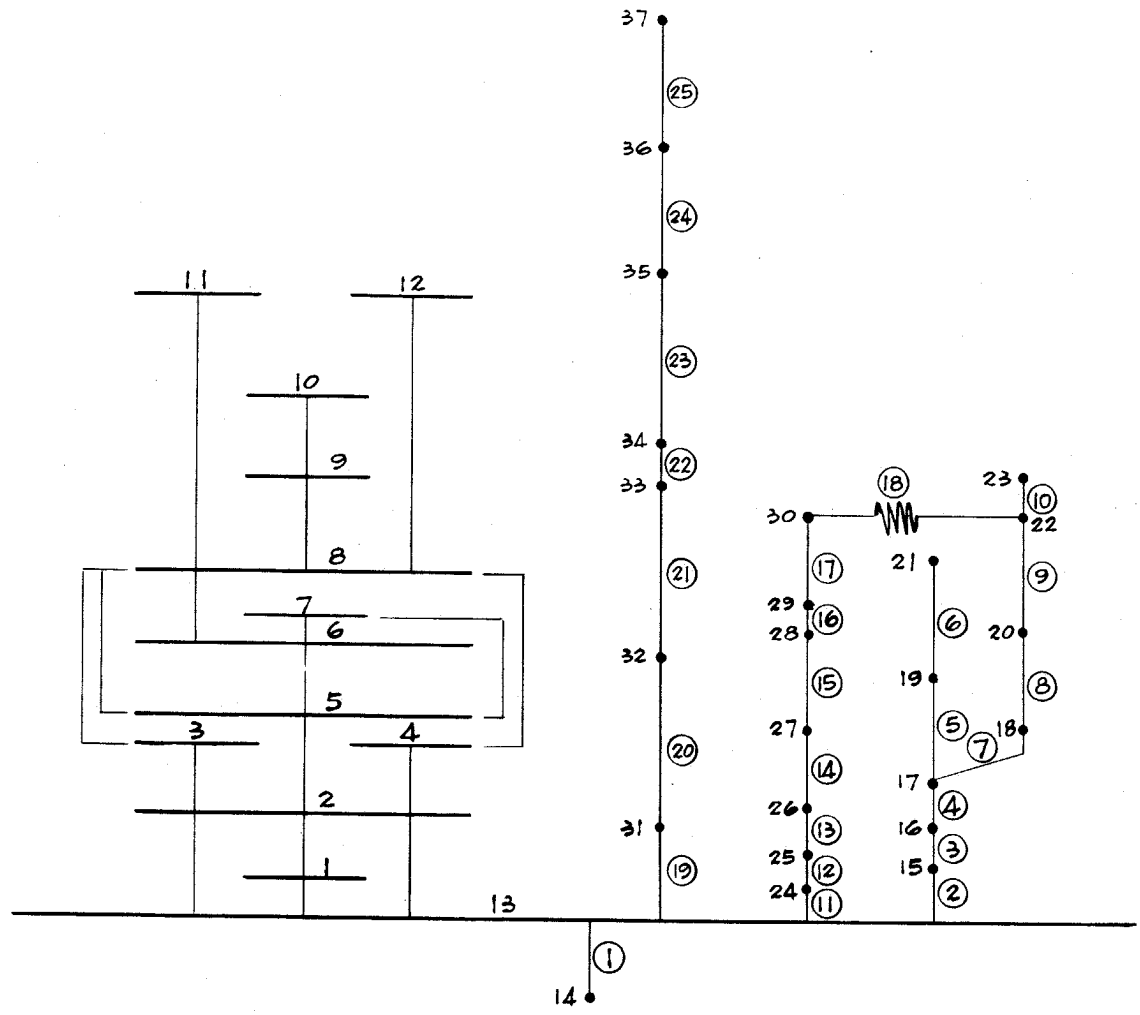
3-D AXISYMMETRIC FINITE  
 ELEMENT DYNAX SOIL MODEL



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FIGURE 3.7-58

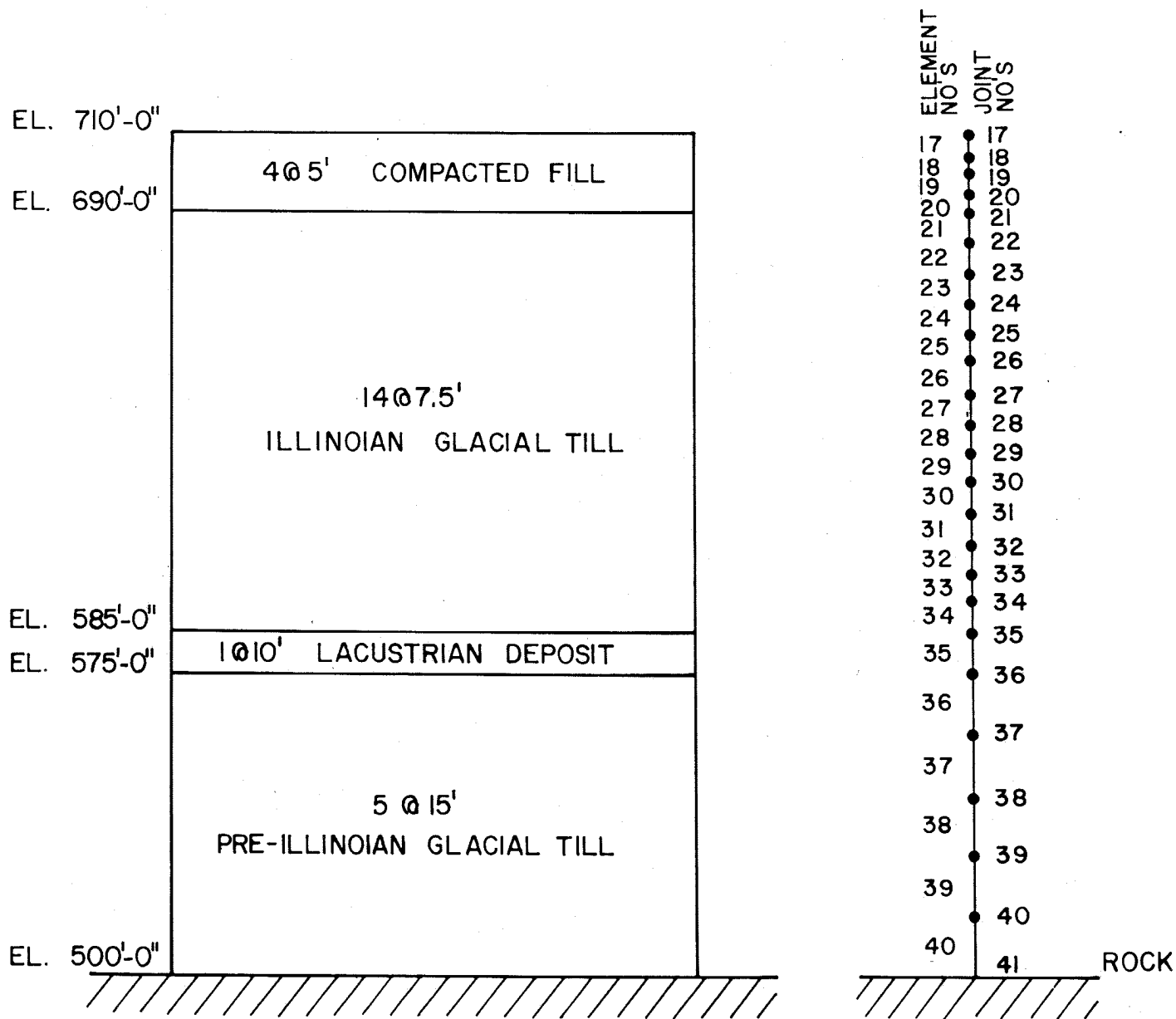
HORIZONTAL 1-UNIT  
 BUILDING MODEL FOR  
 SOIL STRUCTURE INTERACTION



NOTE: UNIT 2 HAS BEEN CANCELLED.

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**UPDATED SAFETY ANALYSIS REPORT**  
 FIGURE 3.7-59  
 HORIZONTAL 2-UNIT BUILDING  
 MODEL FOR SOIL  
 STRUCTURE INTERACTION

FIGURES 3.7-60 THROUGH 3.7-67  
HAVE BEEN DELETED

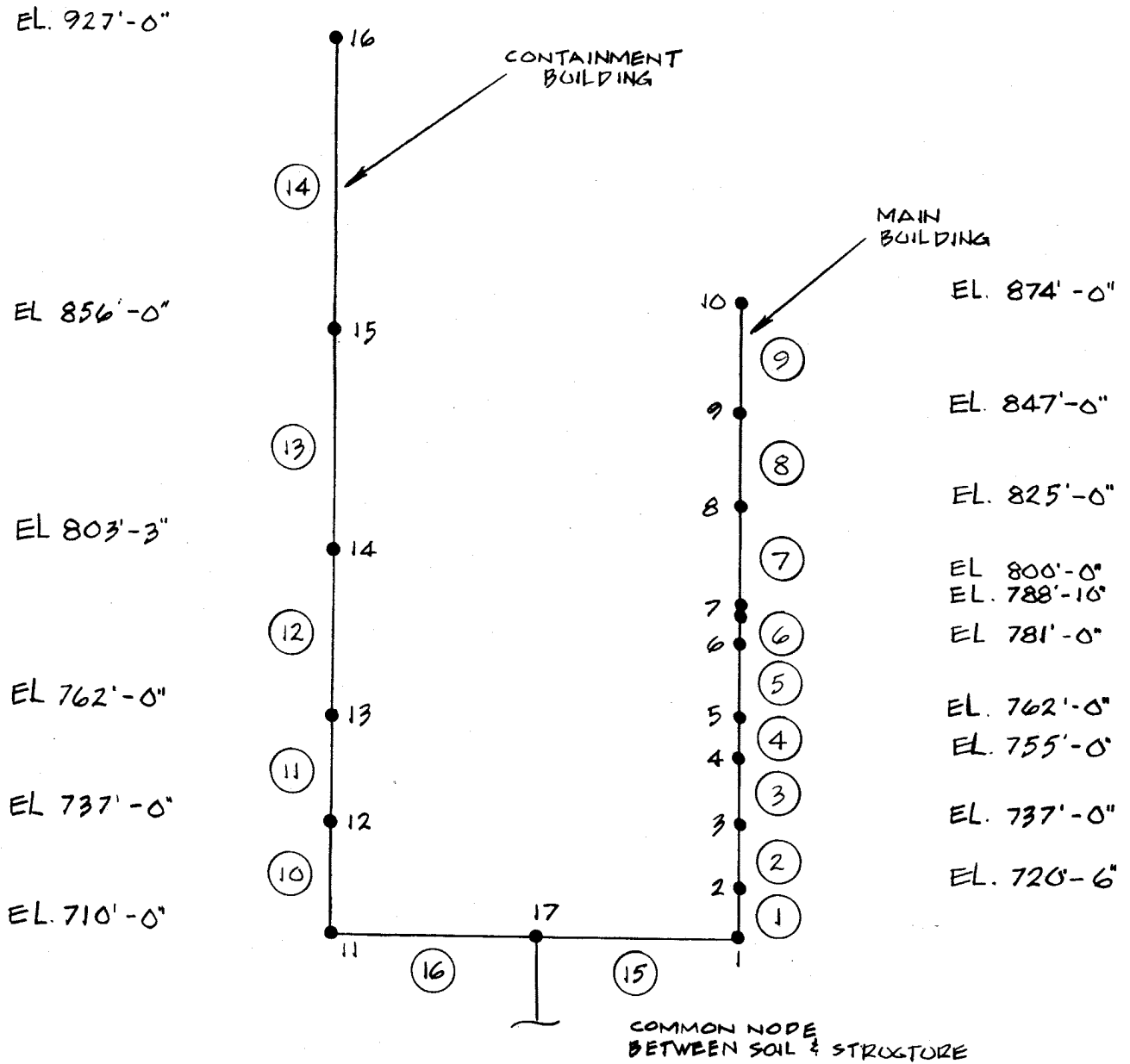


CLINTON POWER STATION  
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FIGURE 3.7-68

VERTICAL SOIL MODEL FOR  
 SOIL STRUCTURE INTERACTION

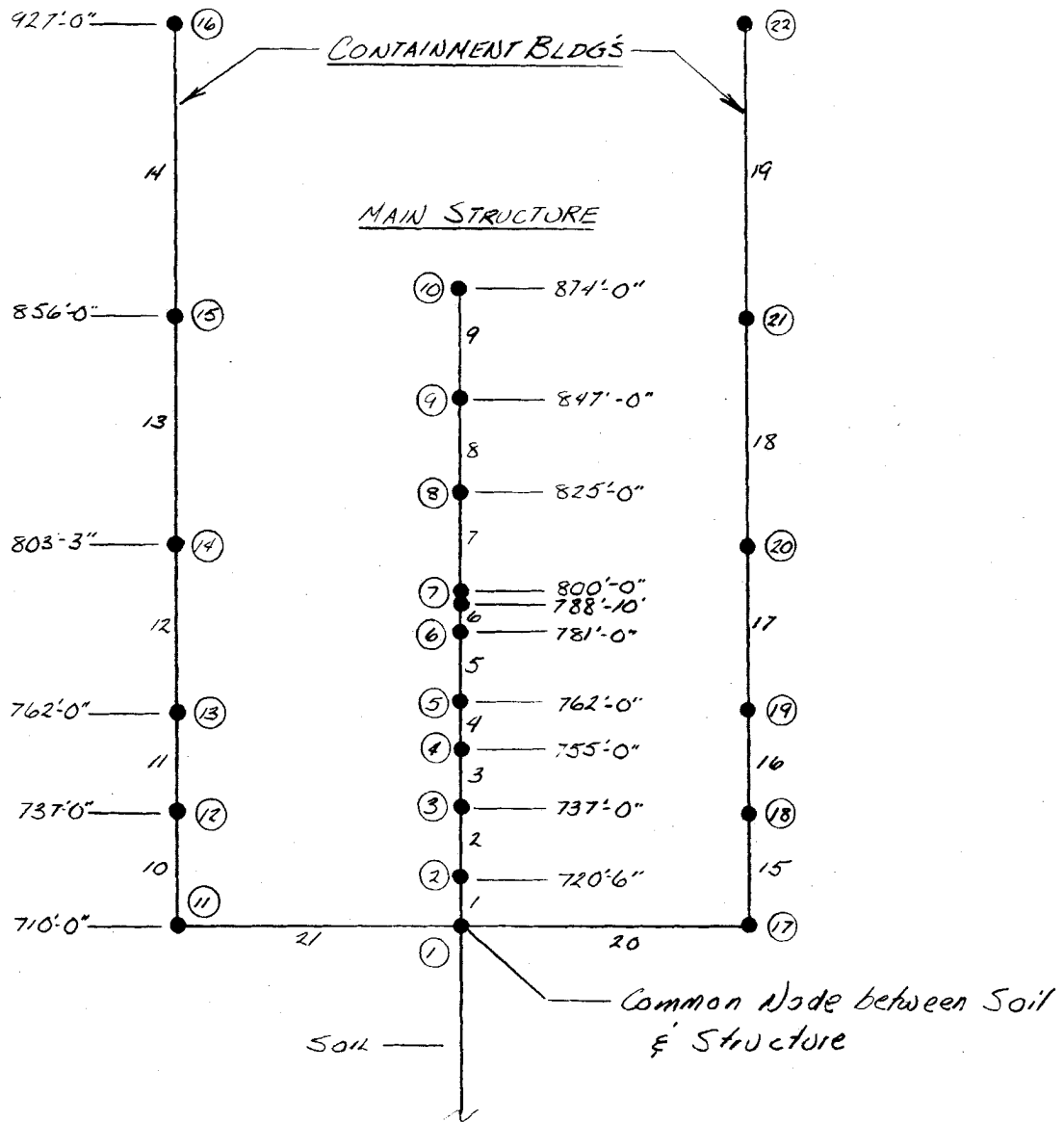




**CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT**

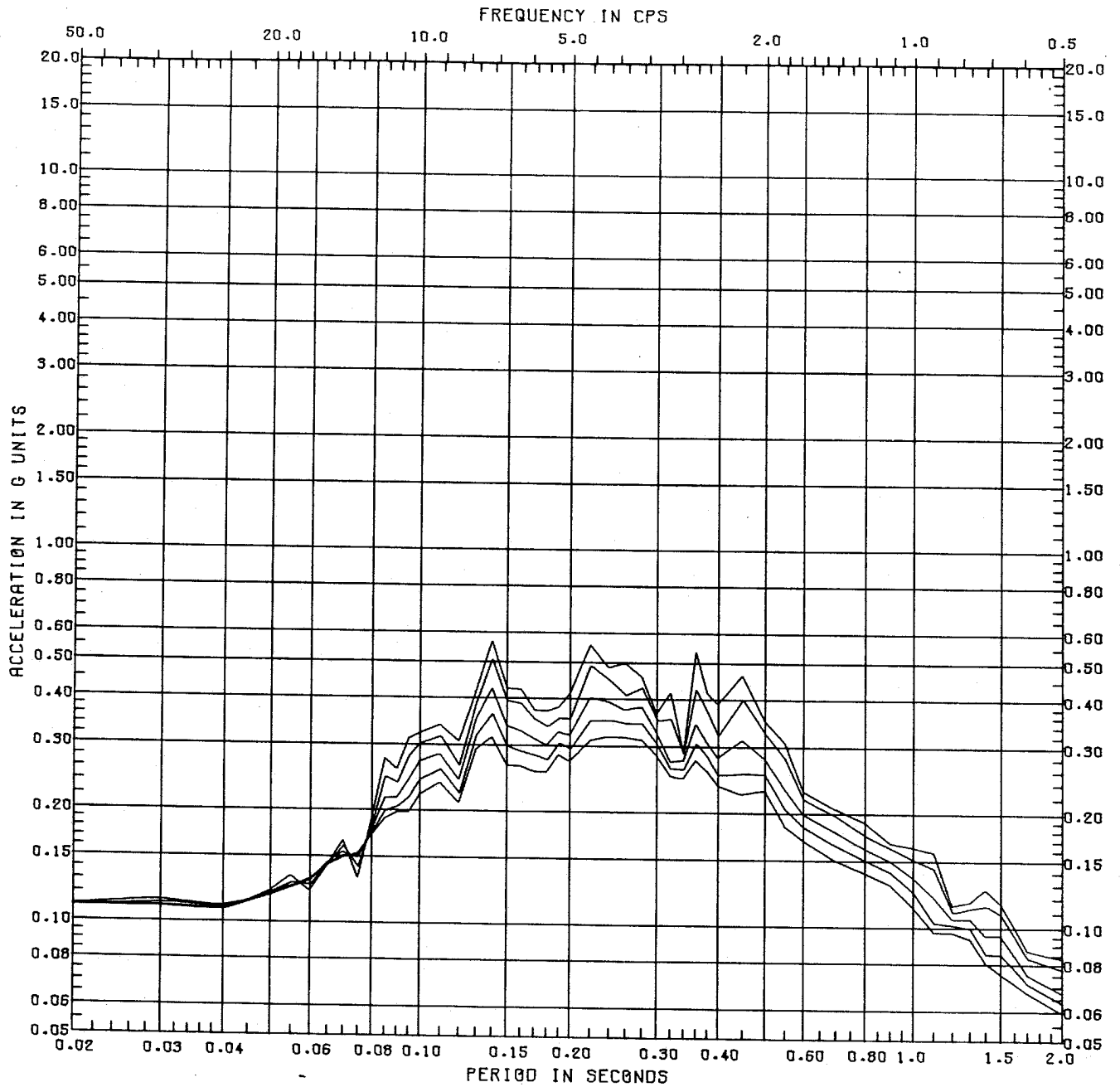
FIGURE 3.7-69

1-UNIT BUILDING MODEL FOR  
VERTICAL SOIL-STRUCTURE INTERACTION



NOTE: UNIT 2 HAS BEEN CANCELLED.

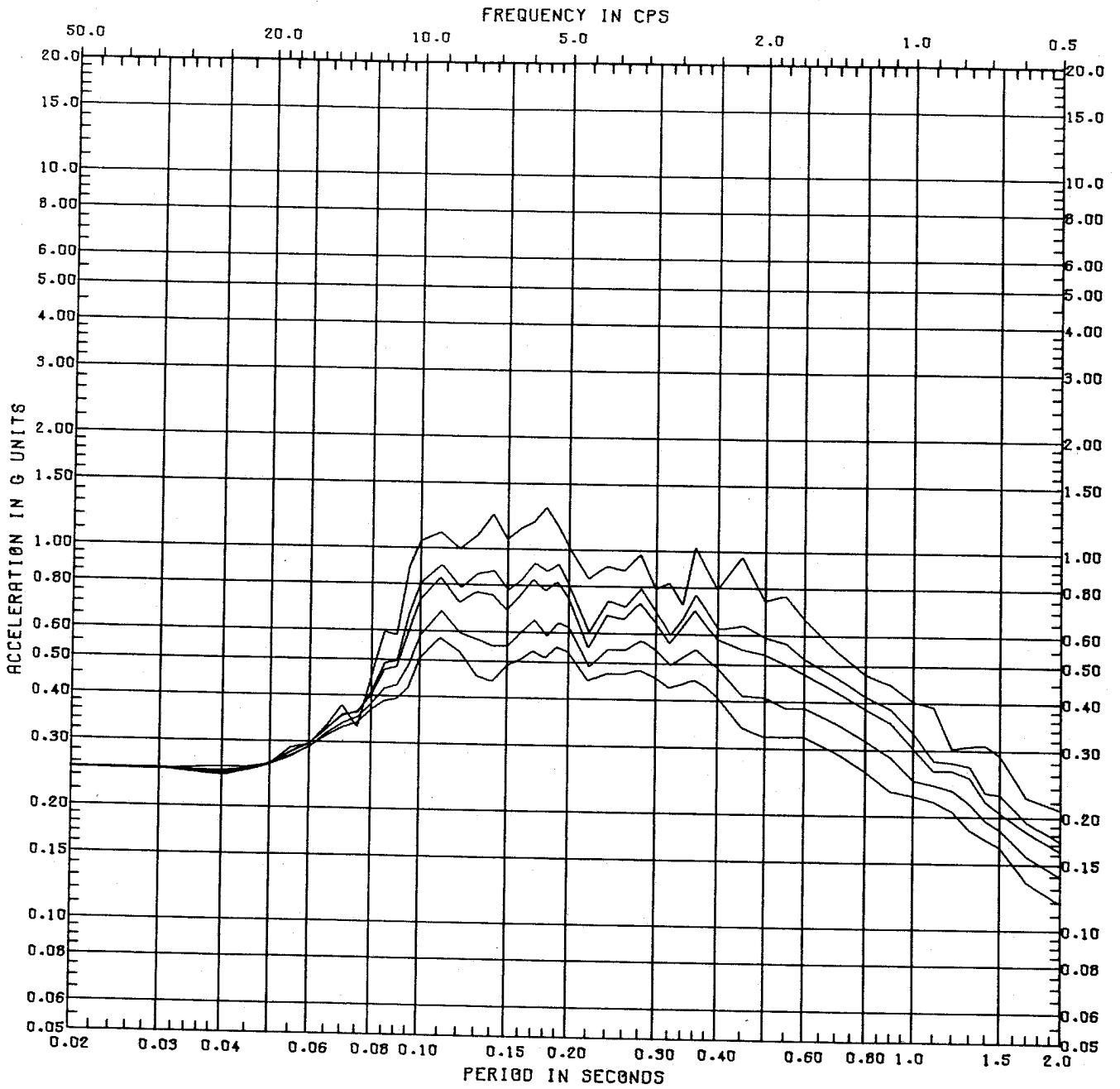
<p>CLINTON POWER STATION          UPDATED SAFETY ANALYSIS REPORT</p>
<p>FIGURE 3.7-70</p> <p>2-UNIT BUILDING MODEL FOR          VERTICAL SOIL STRUCTURE INTERACTION</p>



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UPDATED SAFETY ANALYSIS REPORT**

FIGURE 3.7-71

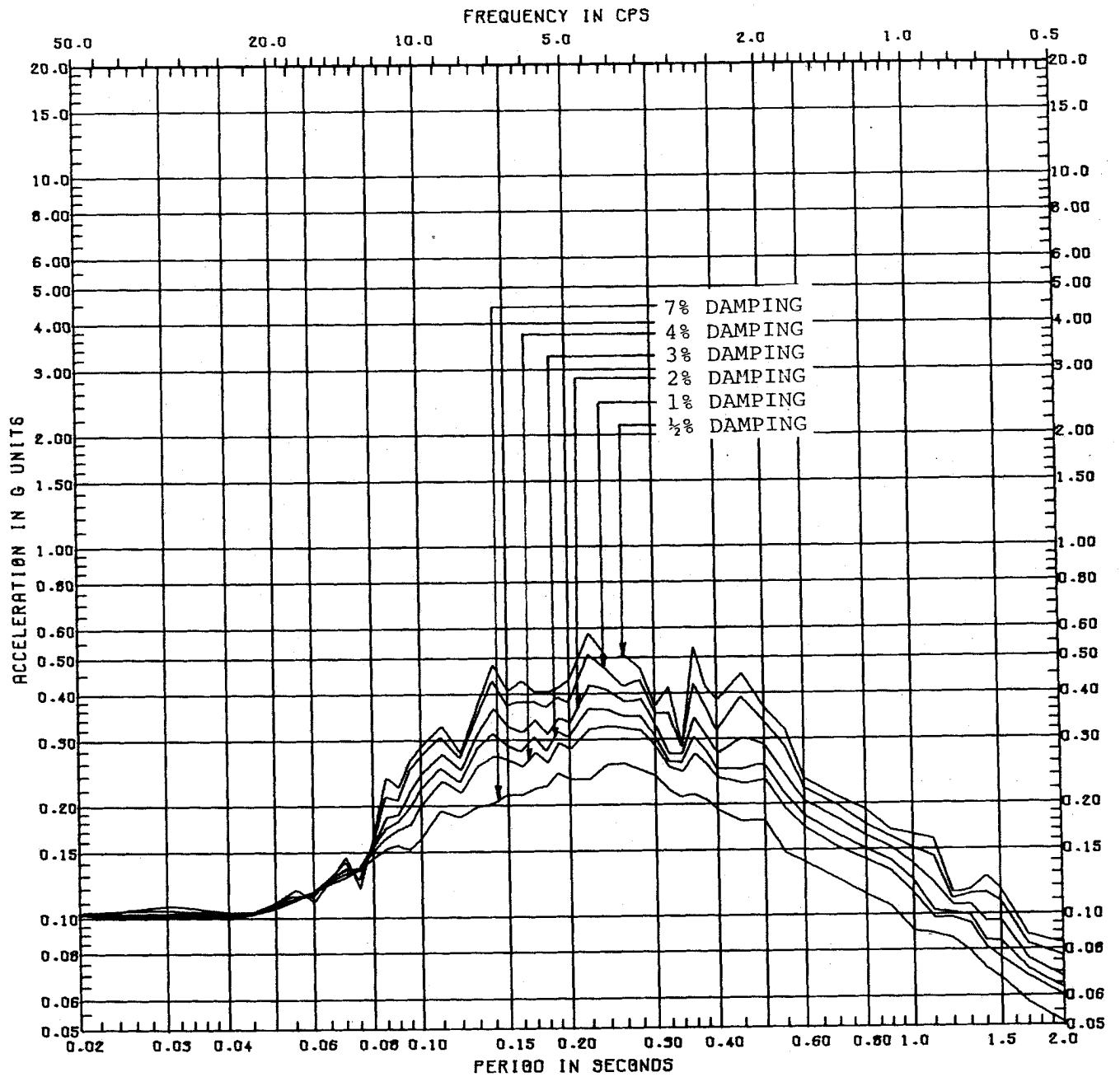
OBE VERTICAL FOUNDATION INTERACTION  
SPECTRA FOR 1-UNIT BUILDING MODEL



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FIGURE 3.7-72

SSE VERTICAL FOUNDATION INTERACTION  
 SPECTRA FOR 1-UNIT BUILDING MODEL

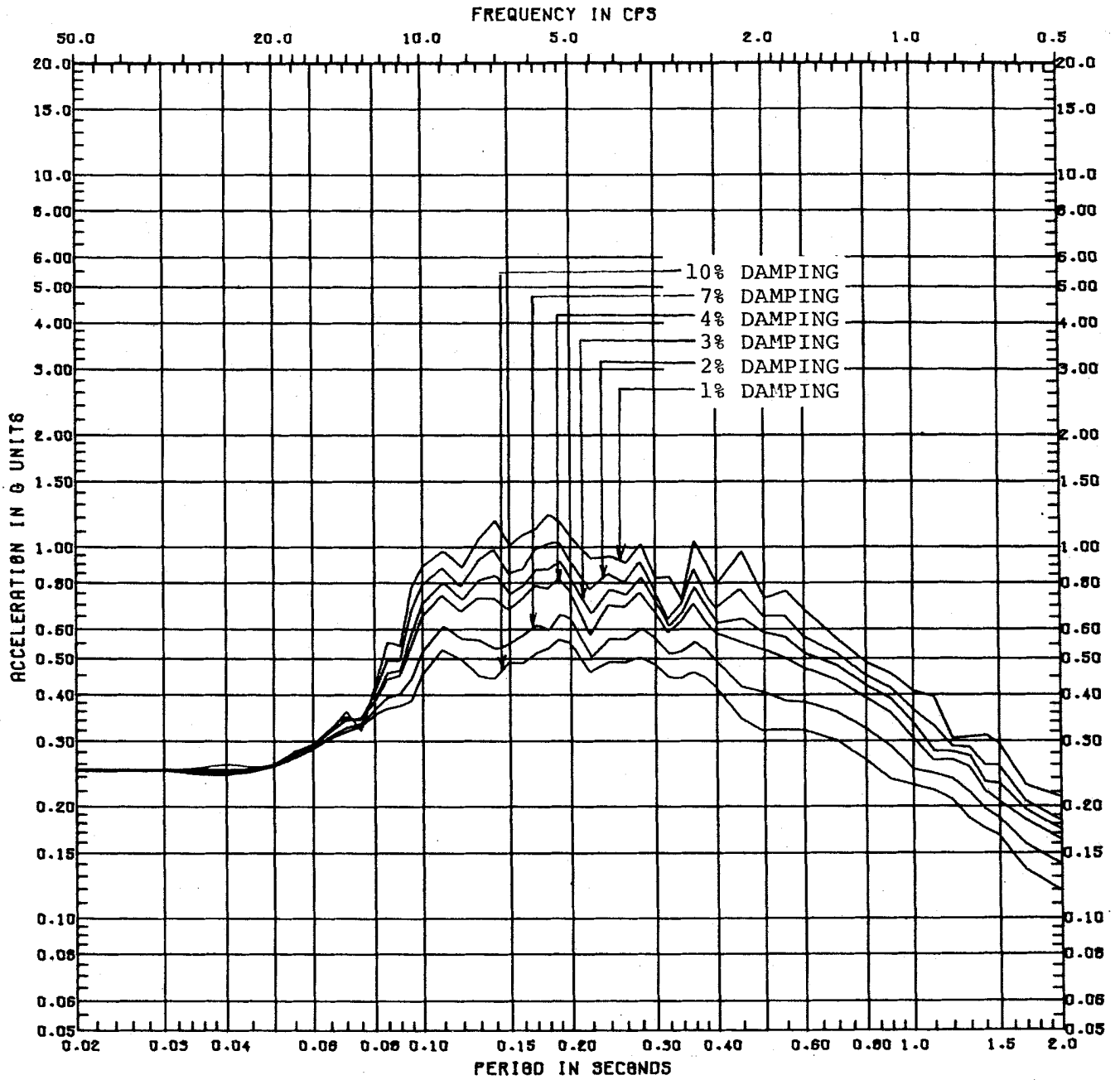


NOTE: UNIT 2 HAS BEEN CANCELLED.

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FIGURE 3.7-73

OBE VERTICAL FOUNDATION  
INTERACTION SPECTRA FOR  
2-UNIT BUILDING MODEL



NOTE: UNIT 2 HAS BEEN CANCELLED.

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FIGURE 3.7-74

SSE VERTICAL FOUNDATION  
INTERACTION SPECTRA FOR  
2-UNIT BUILDING MODEL

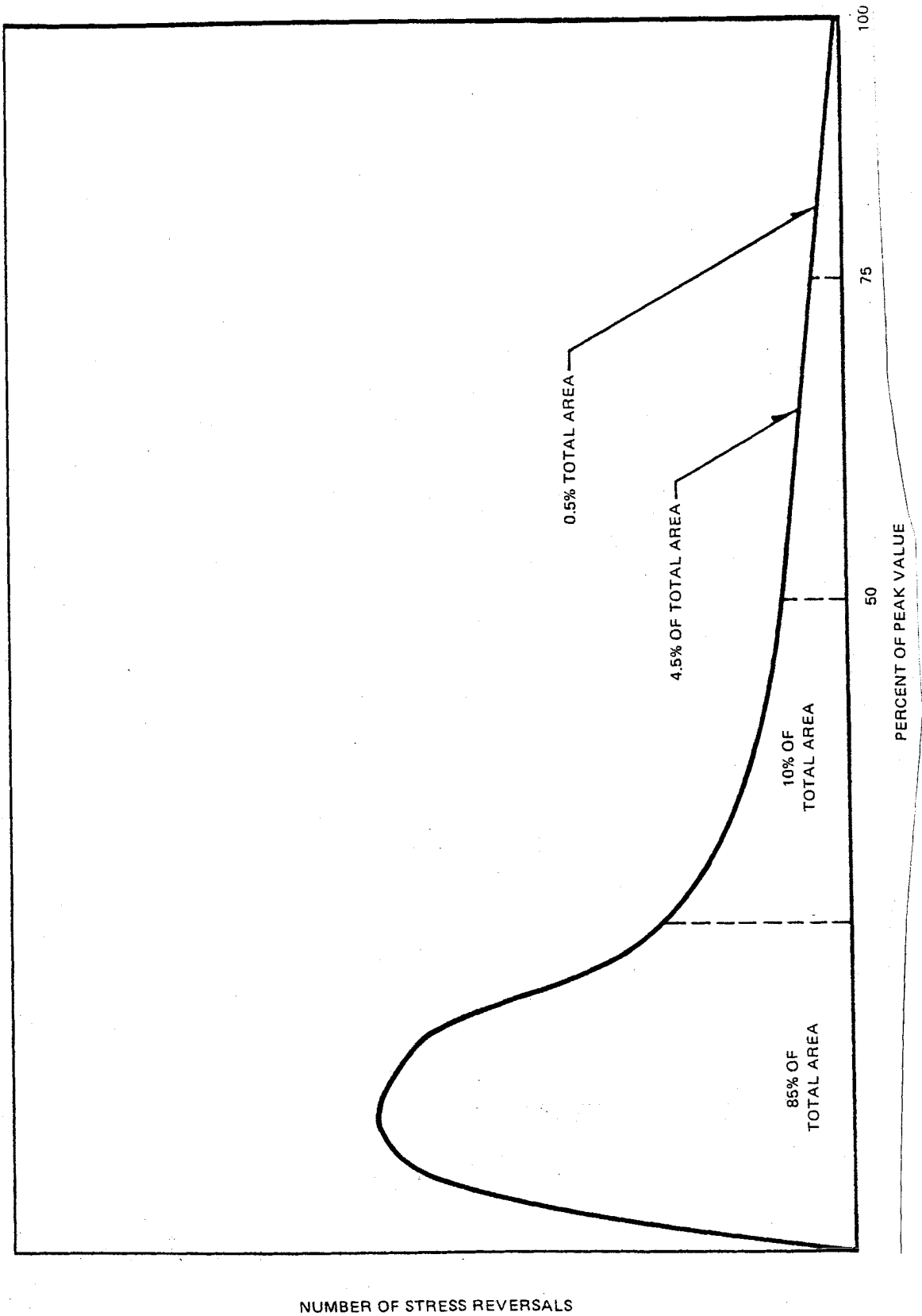
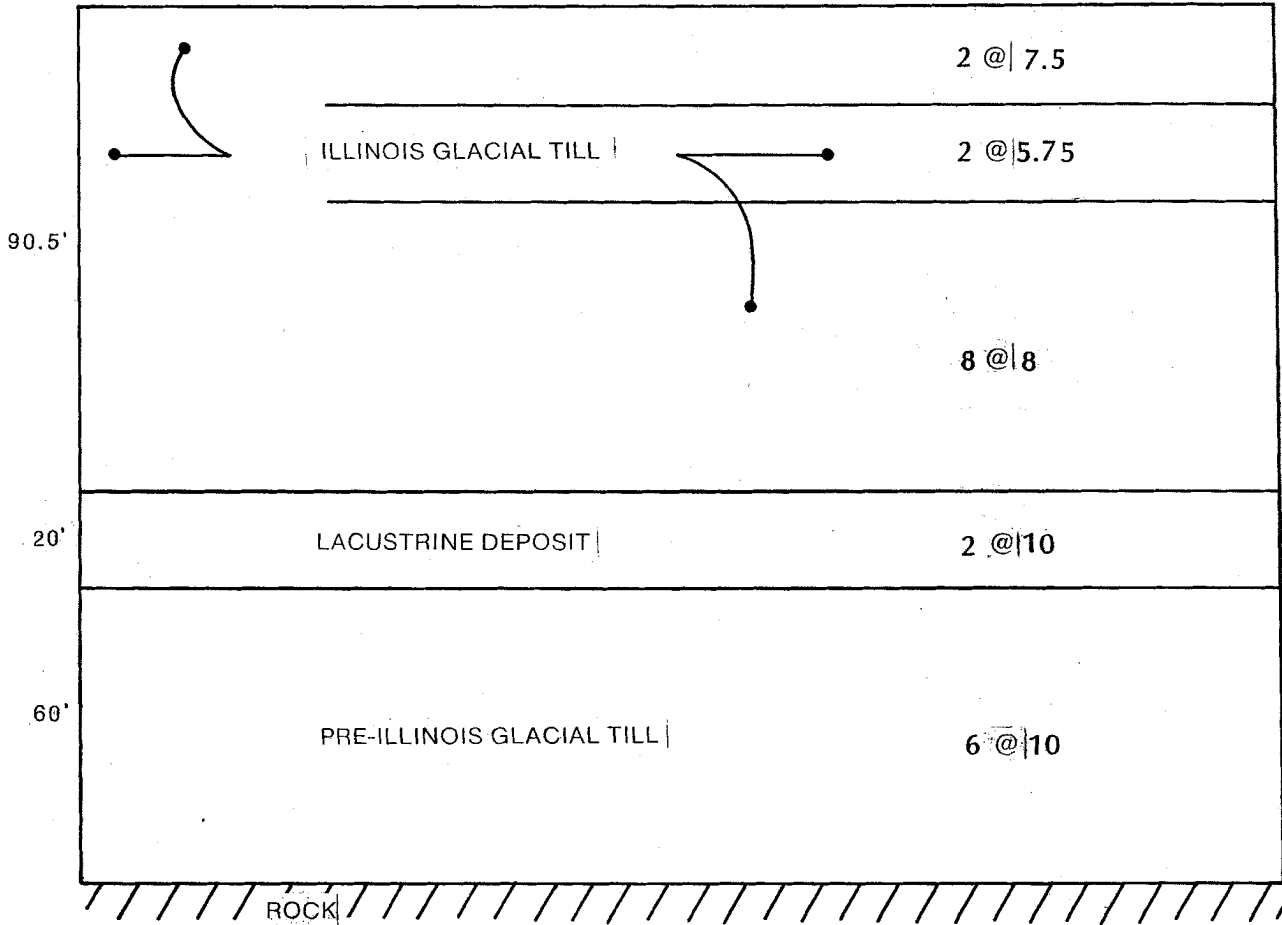


FIGURE 3.7-75 DENSITY OF STRESS REVERSALS

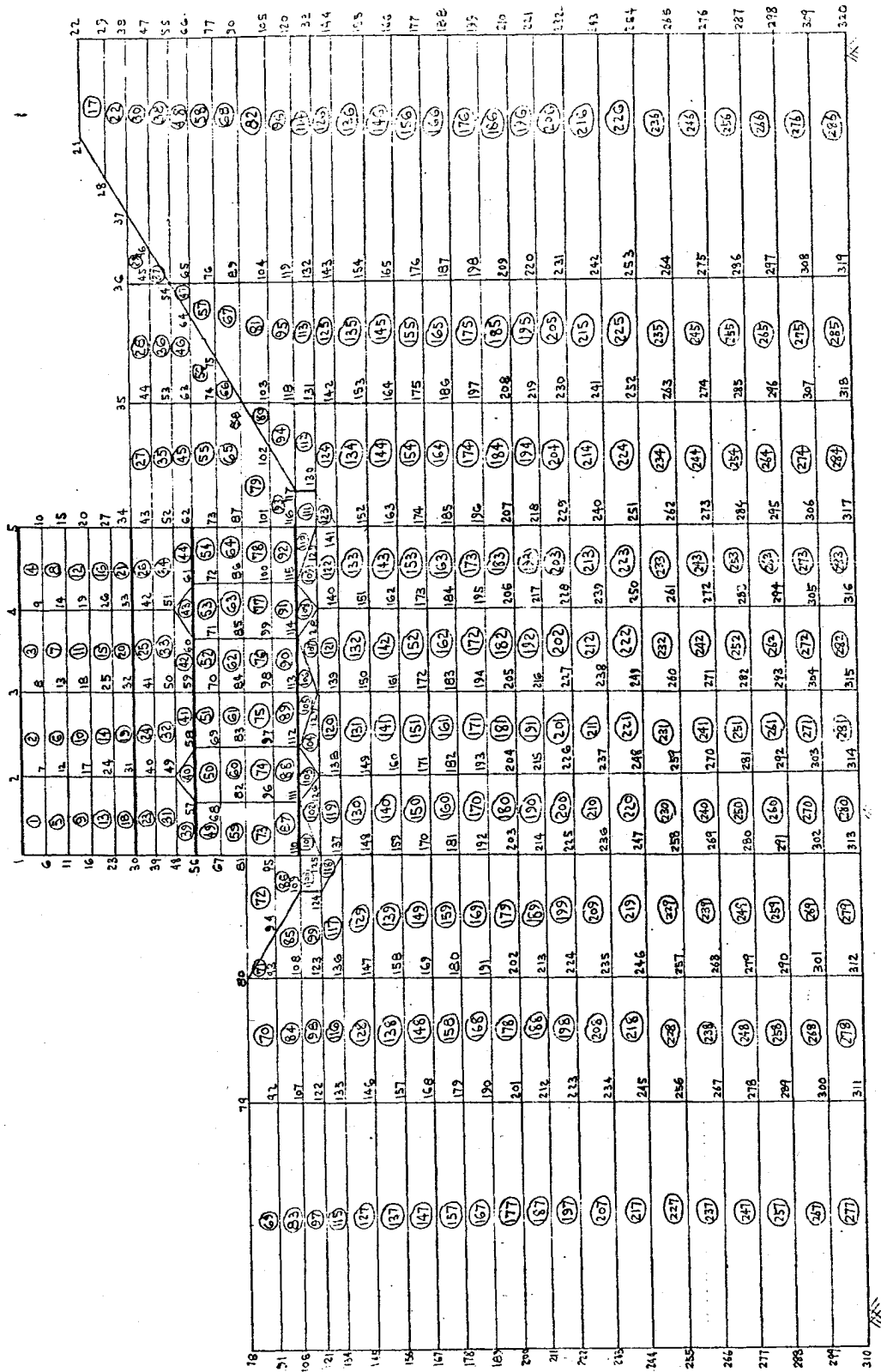


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FIGURE 3.7-76

SHAKE SOIL MODEL FOR CIRCULATING  
 WATER SCREEN HOUSE ANALYSIS

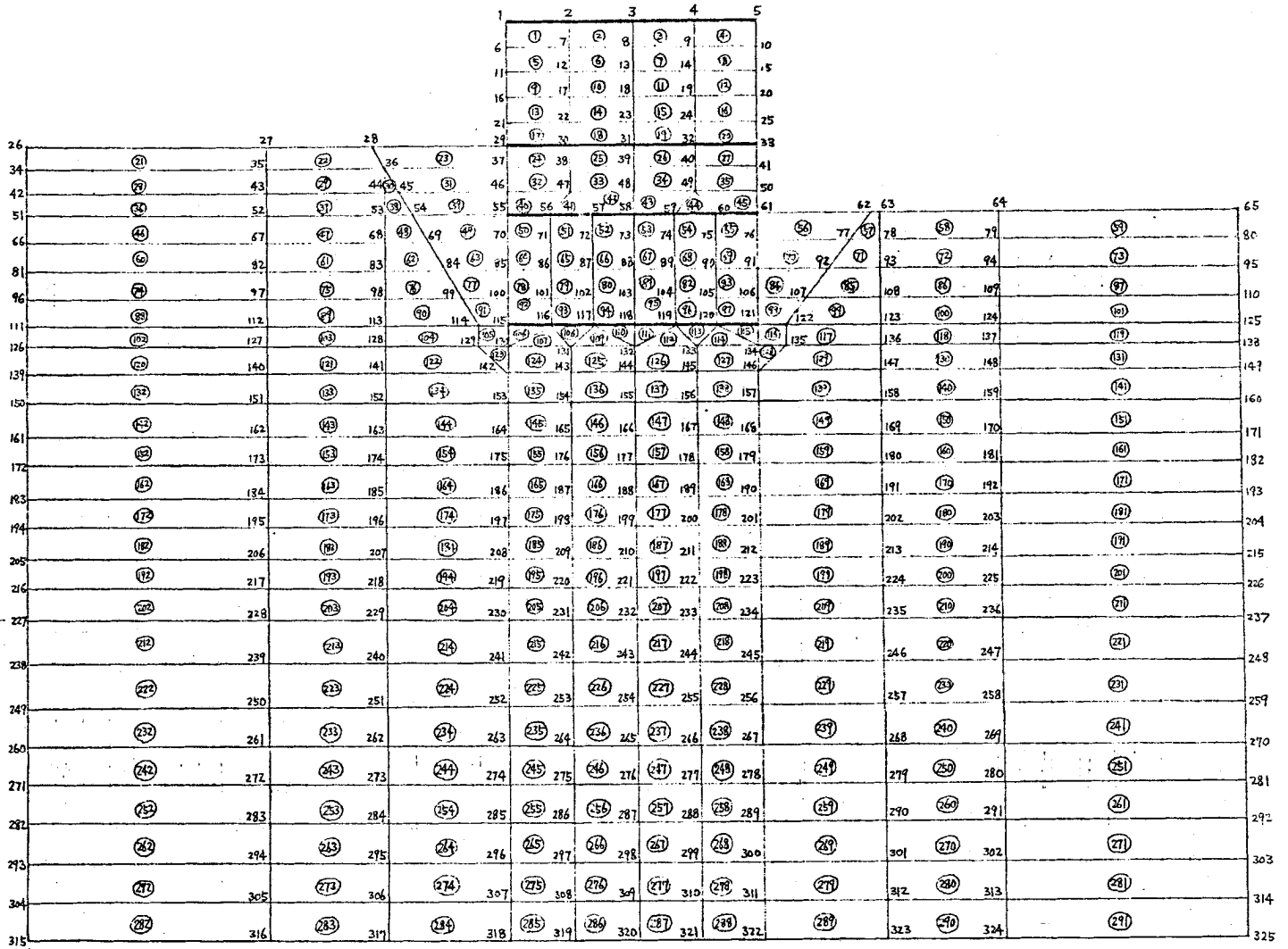




**CLINTON POWER STATION  
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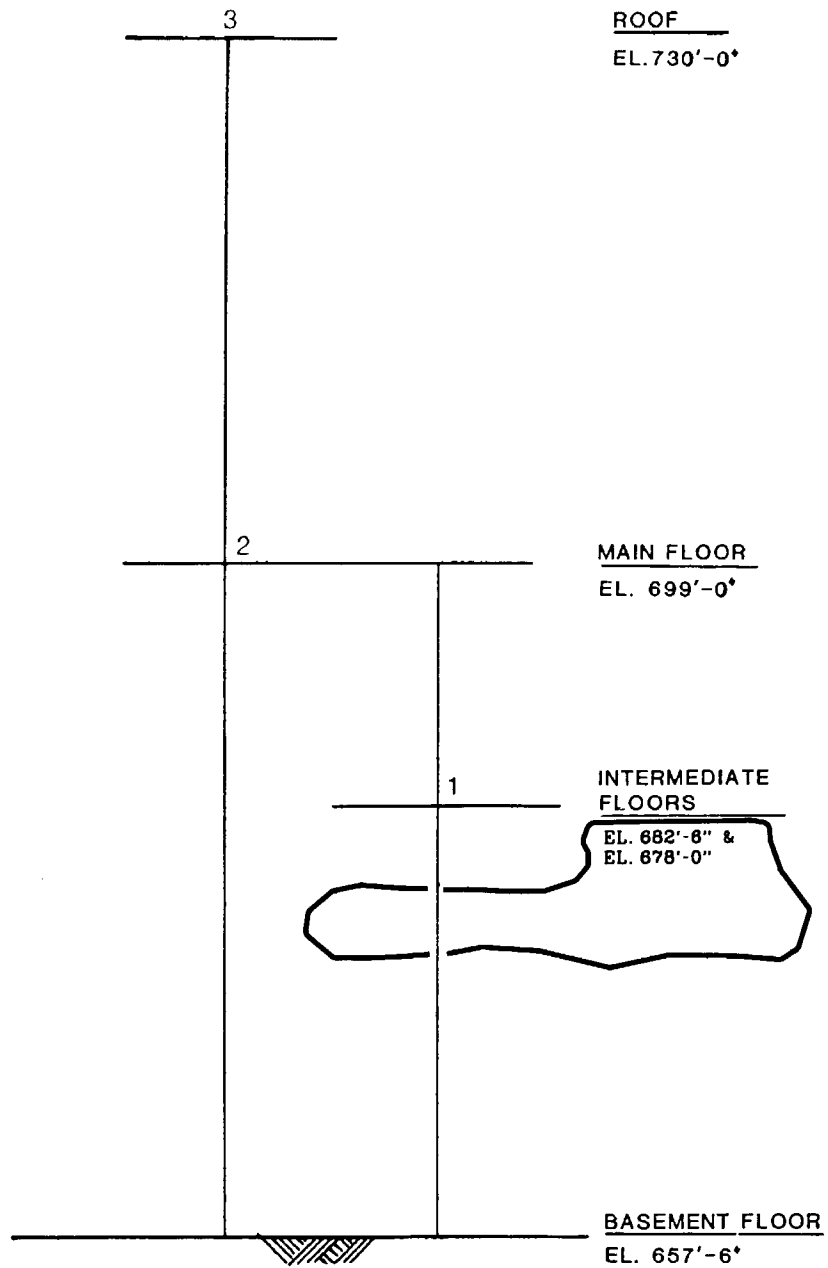
**FIGURE 3.7-77**

**EAST-WEST HORIZONTAL SOIL STRUCTURE  
INTERACTION MODEL FOR CWSH**



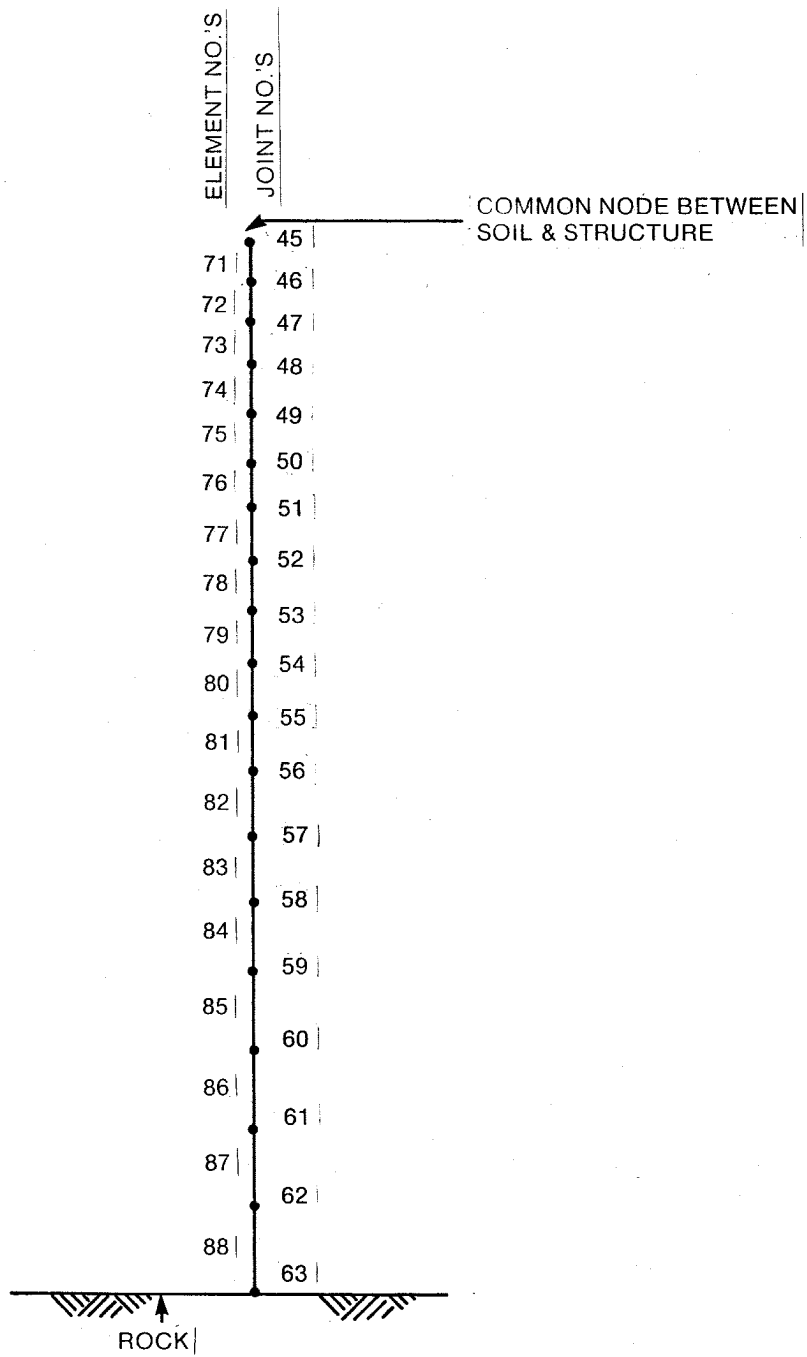
**CLINTON POWER STATION**  
**UPDATED SAFETY ANALYSIS REPORT**  
  
**FIGURE 3.7-78**  
  
**NORTH-SOUTH HORIZONTAL SOIL**  
**STRUCTURE INTERACTION MODEL**  
**FOR CWSH**

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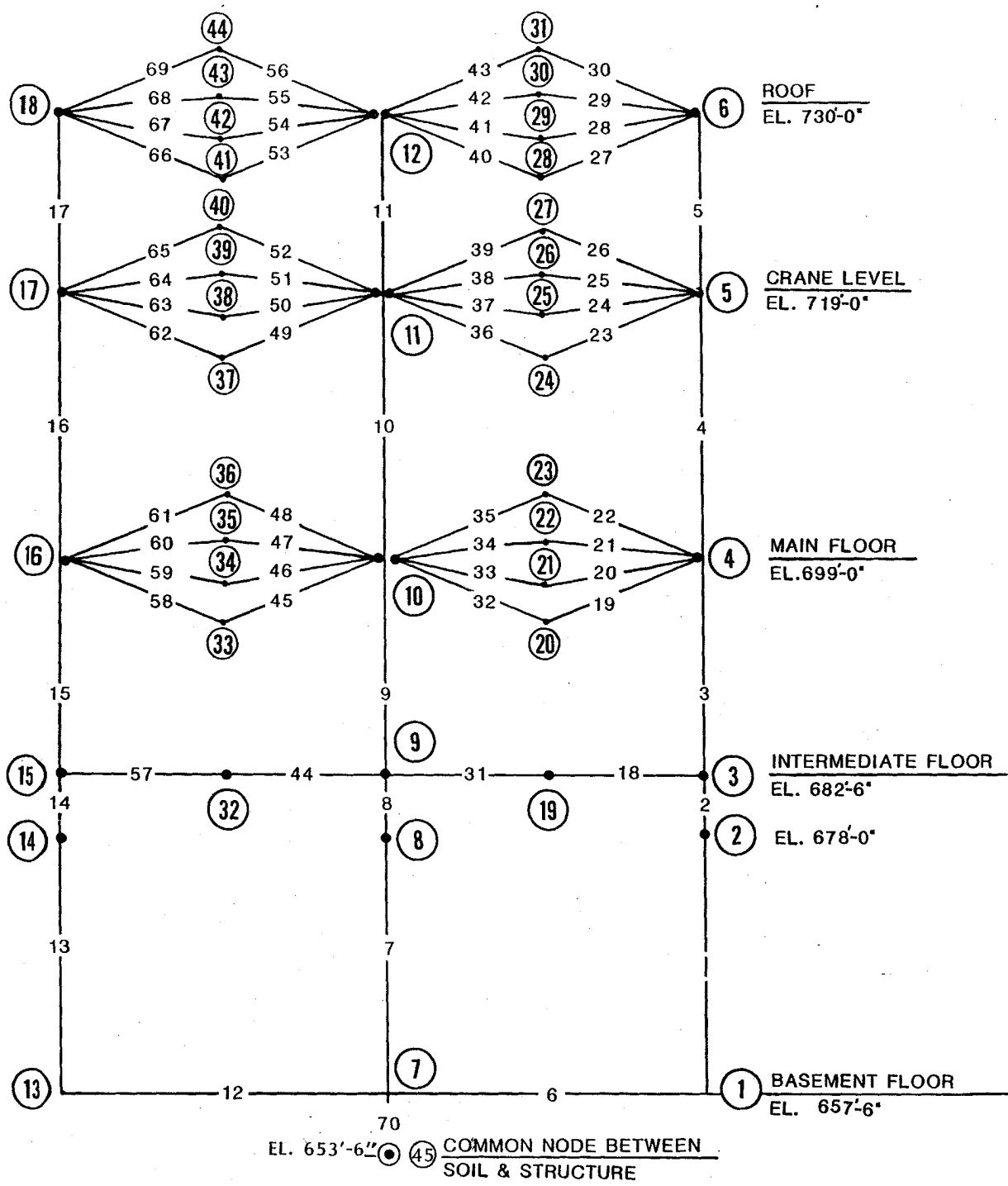
FIGURE 3.7-79  
HORIZONTAL MODEL FOR CWSH



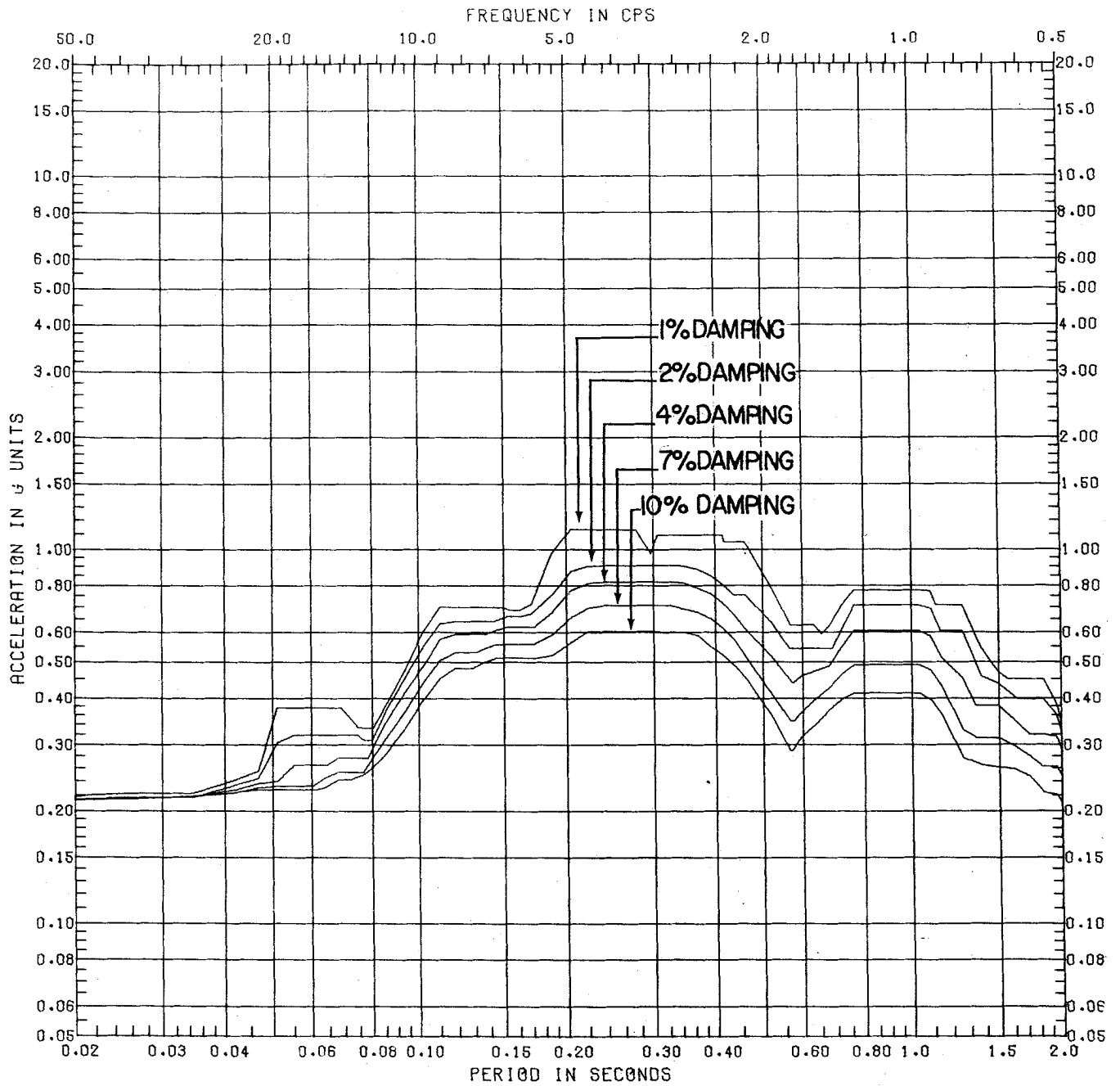
CLINTON POWER STATION  
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FIGURE 3.7-80

SOIL COLUMN FOR  
 VERTICAL CWSH ANALYSIS



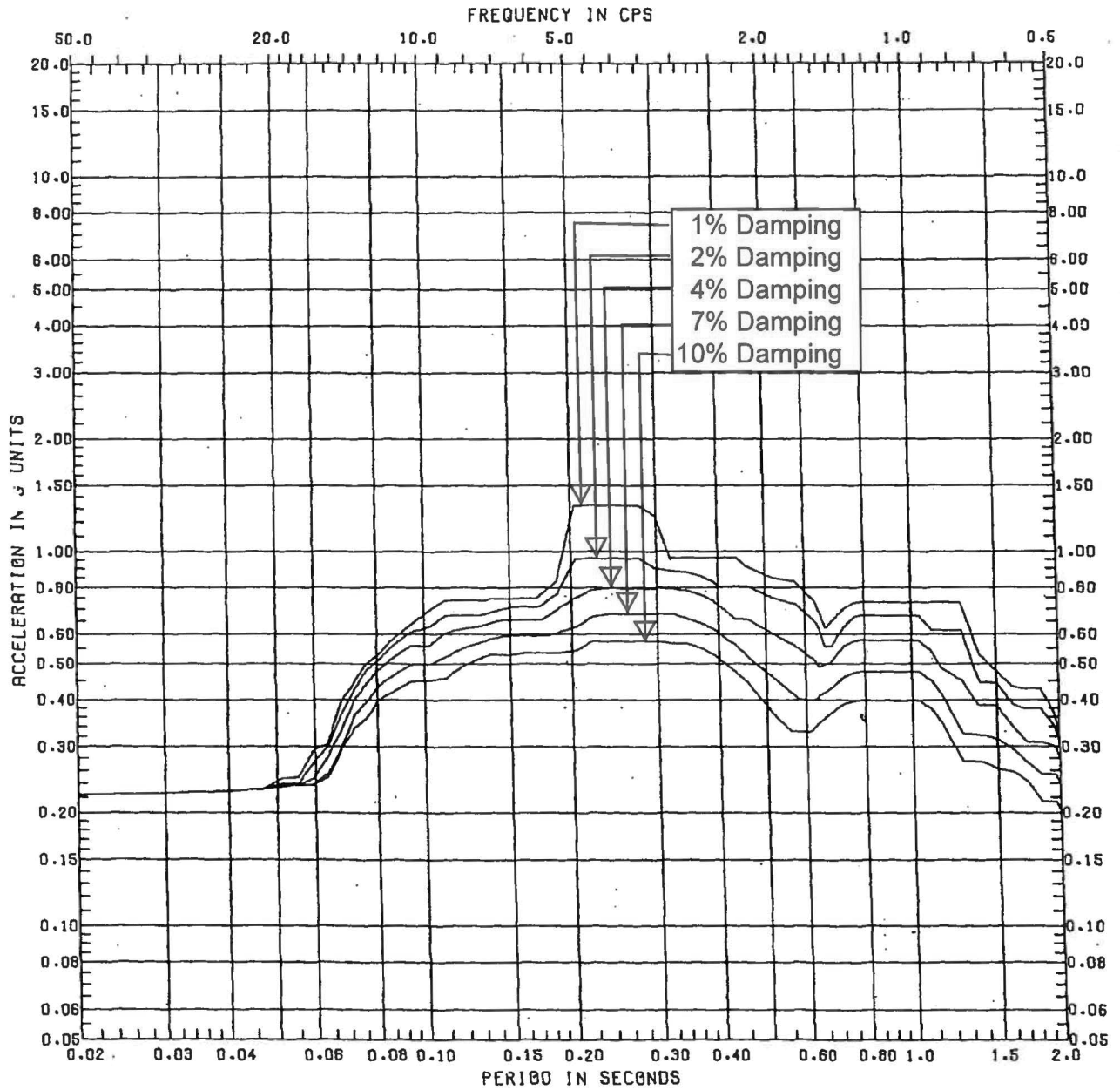
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**UPDATED SAFETY ANALYSIS REPORT**  
 FIGURE 3.7-81  
 VERTICAL MODEL FOR CWSH



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 UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-82

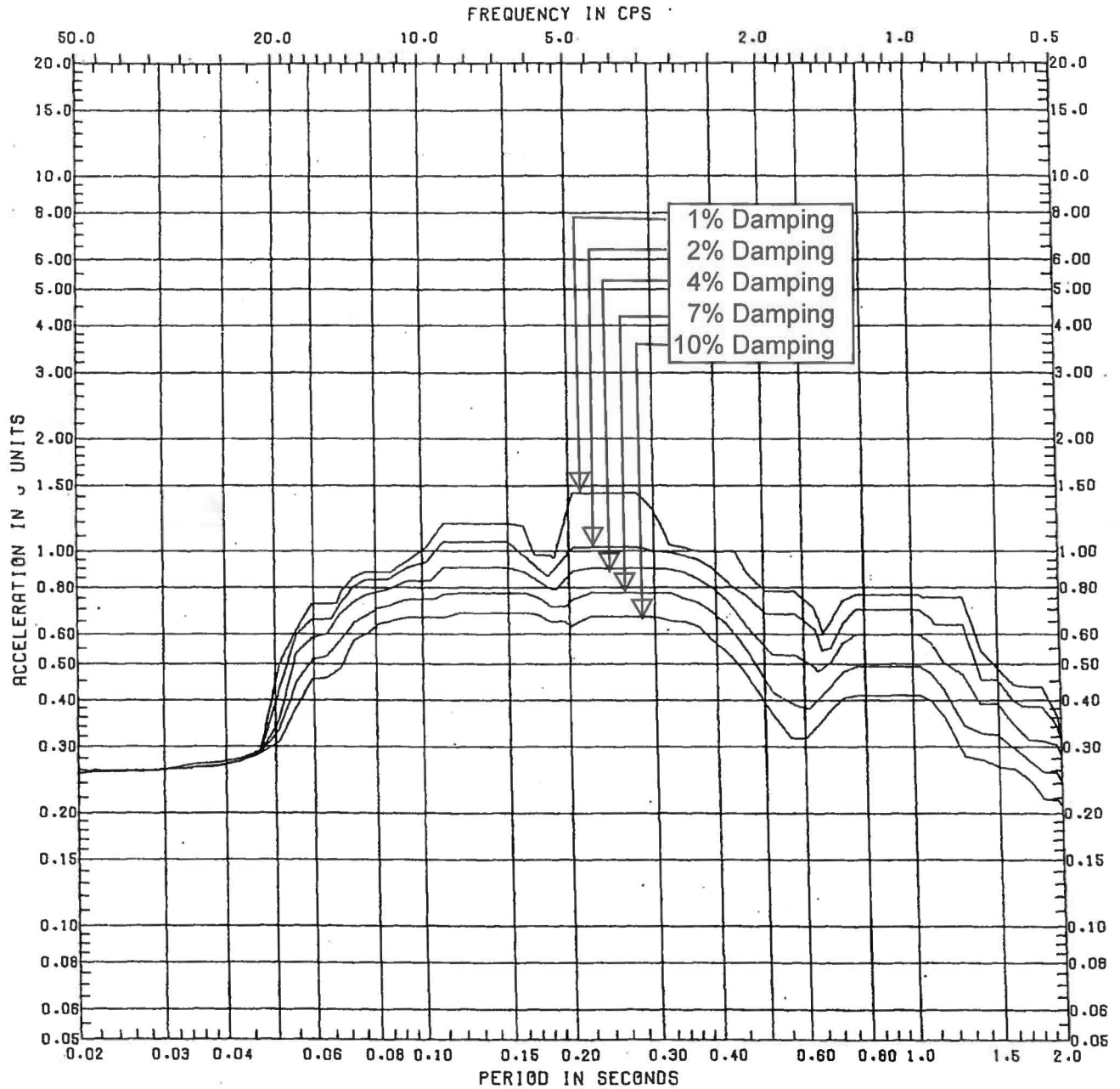
HORIZONTAL  
 SSE RESPONSE SPECTRA CWSH -  
 BASE ELEVATION 653'-6" N-S



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FIGURE 3.7-83

HORIZONTAL  
SSE RESPONSE SPECTRA CWSH -  
BASE ELEVATION 653'-6" E-W

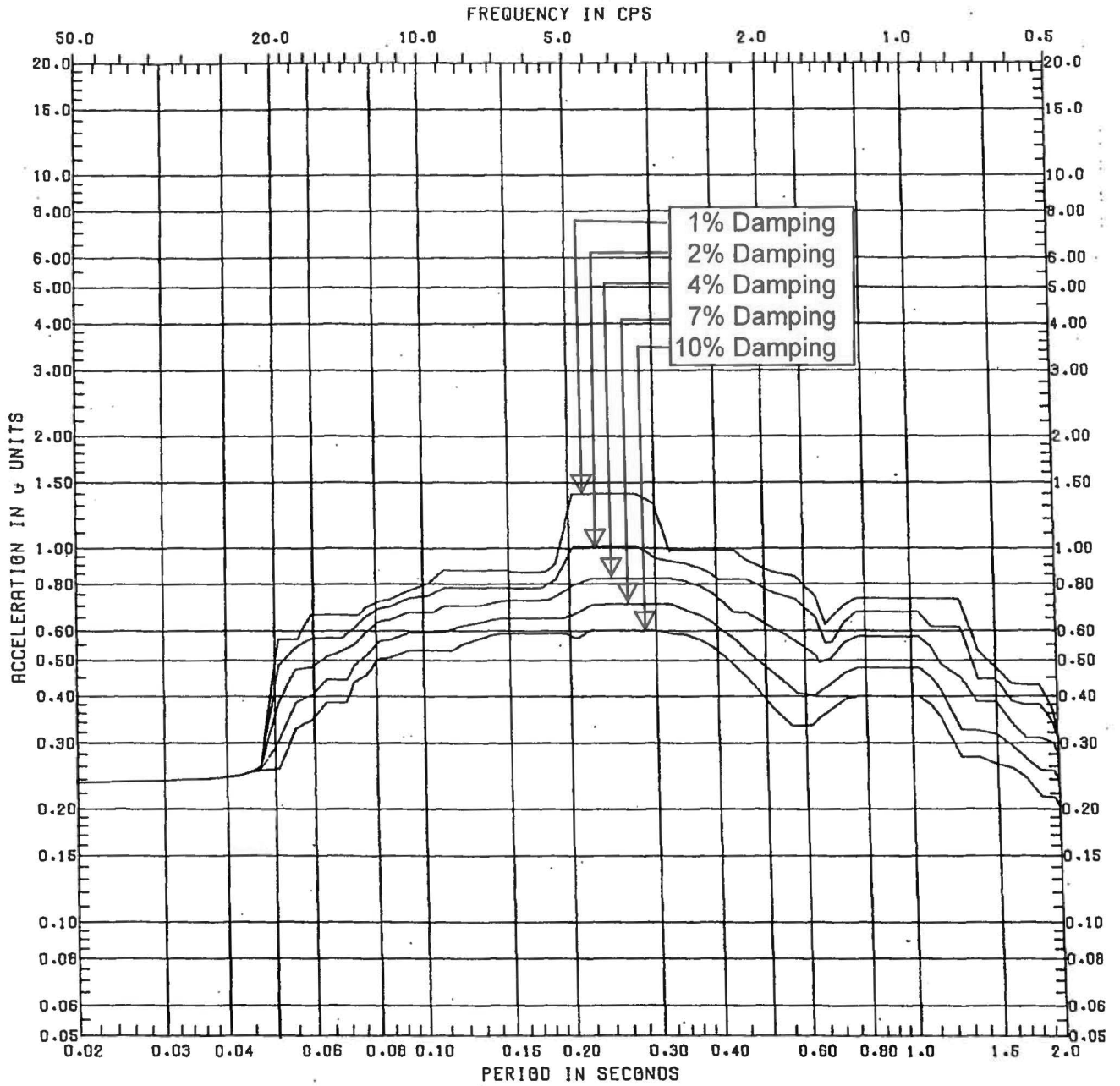


CLINTON POWER STATION  
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FIGURE 3.7-84

HORIZONTAL  
SSE RESPONSE SPECTRA CWSH -  
MAIN FLOOR ELEVATION 699'-0" N-S

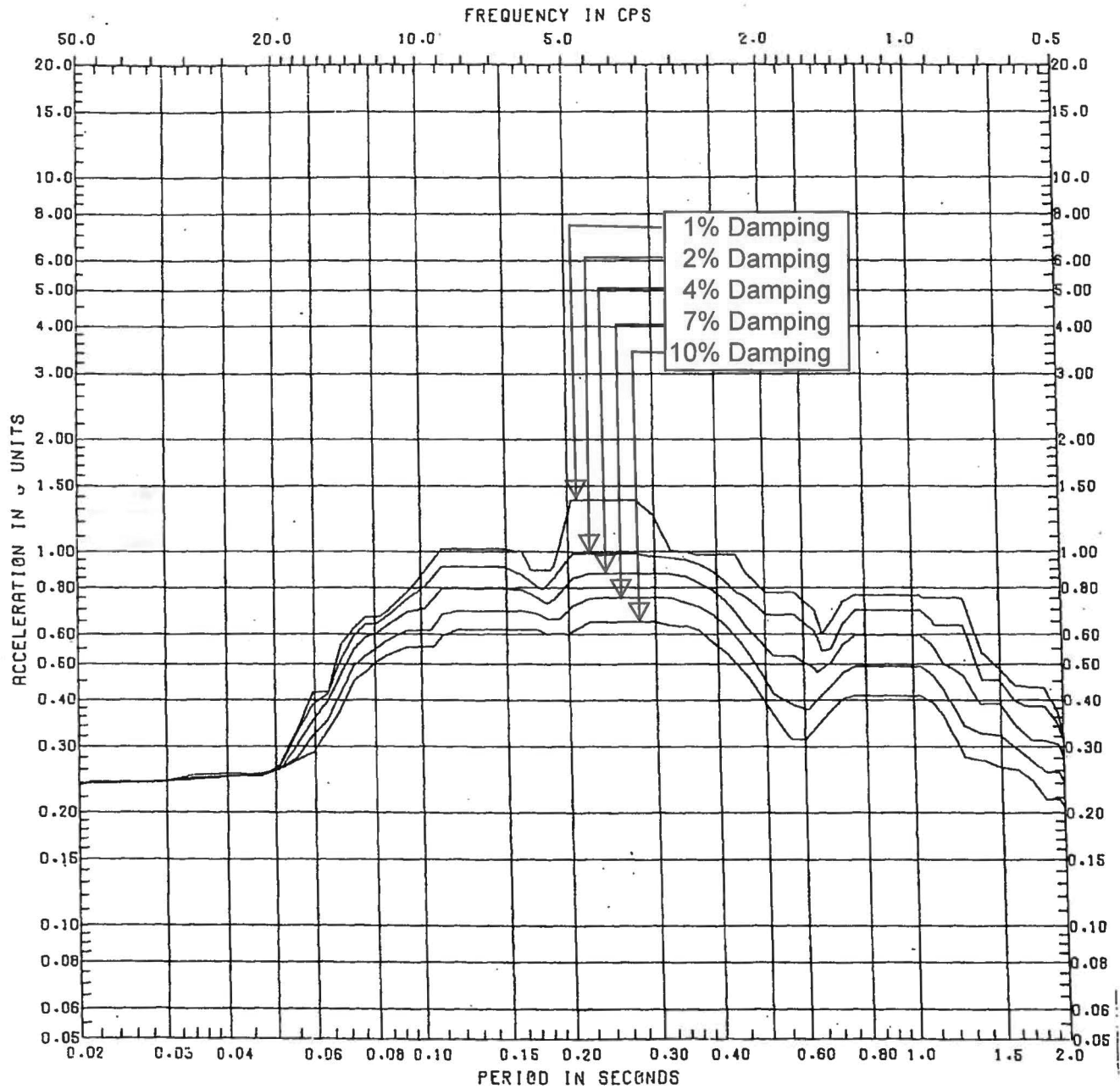




**CLINTON POWER STATION**  
**UPDATED SAFETY ANALYSIS REPORT**

**FIGURE 3.7-85**

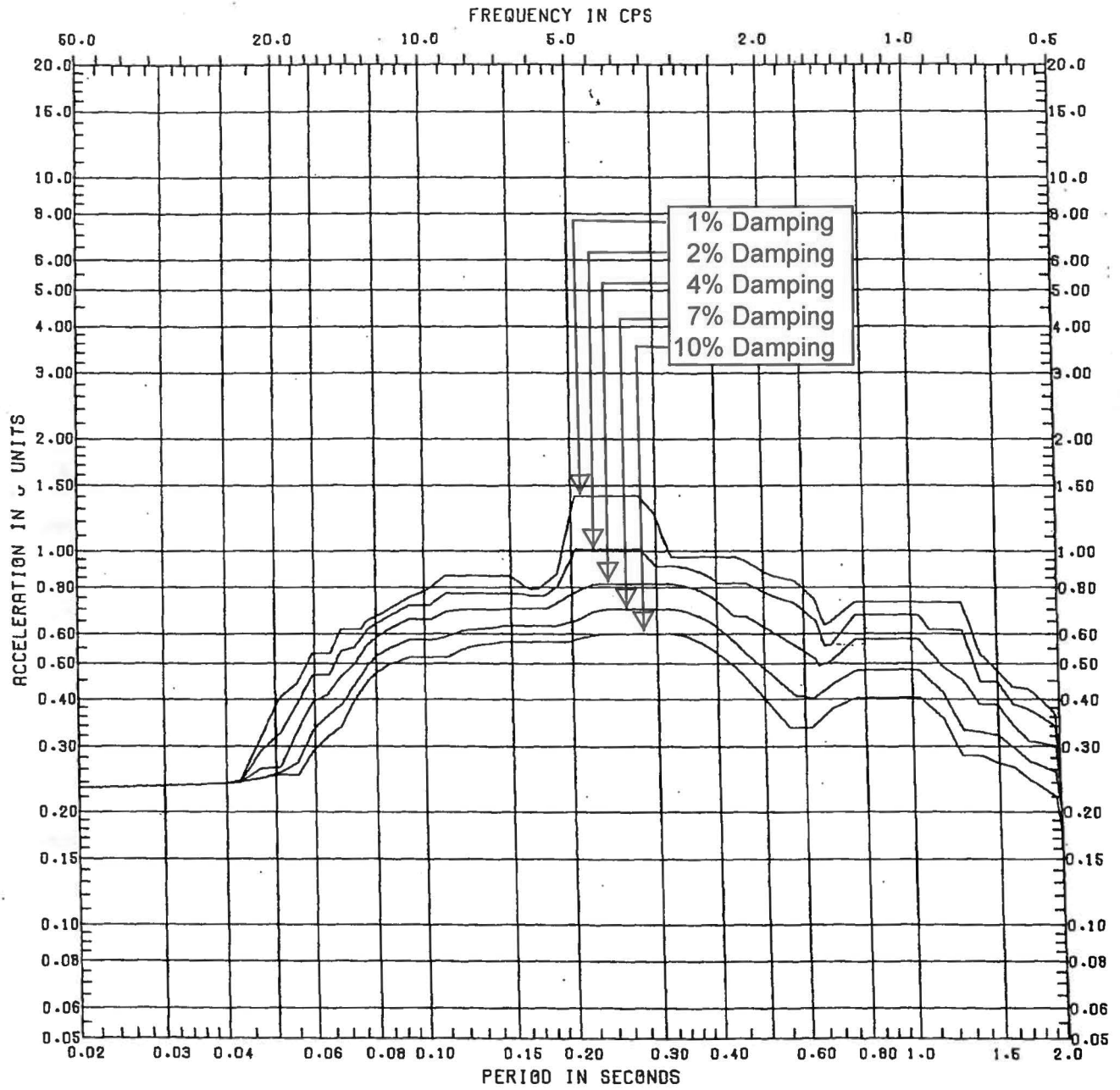
**HORIZONTAL**  
**SSE RESPONSE SPECTRA CWSH -**  
**MAIN FLOOR ELEVATION 699'-0" E-W**



**CLINTON POWER STATION**  
**UPDATED SAFETY ANALYSIS REPORT**

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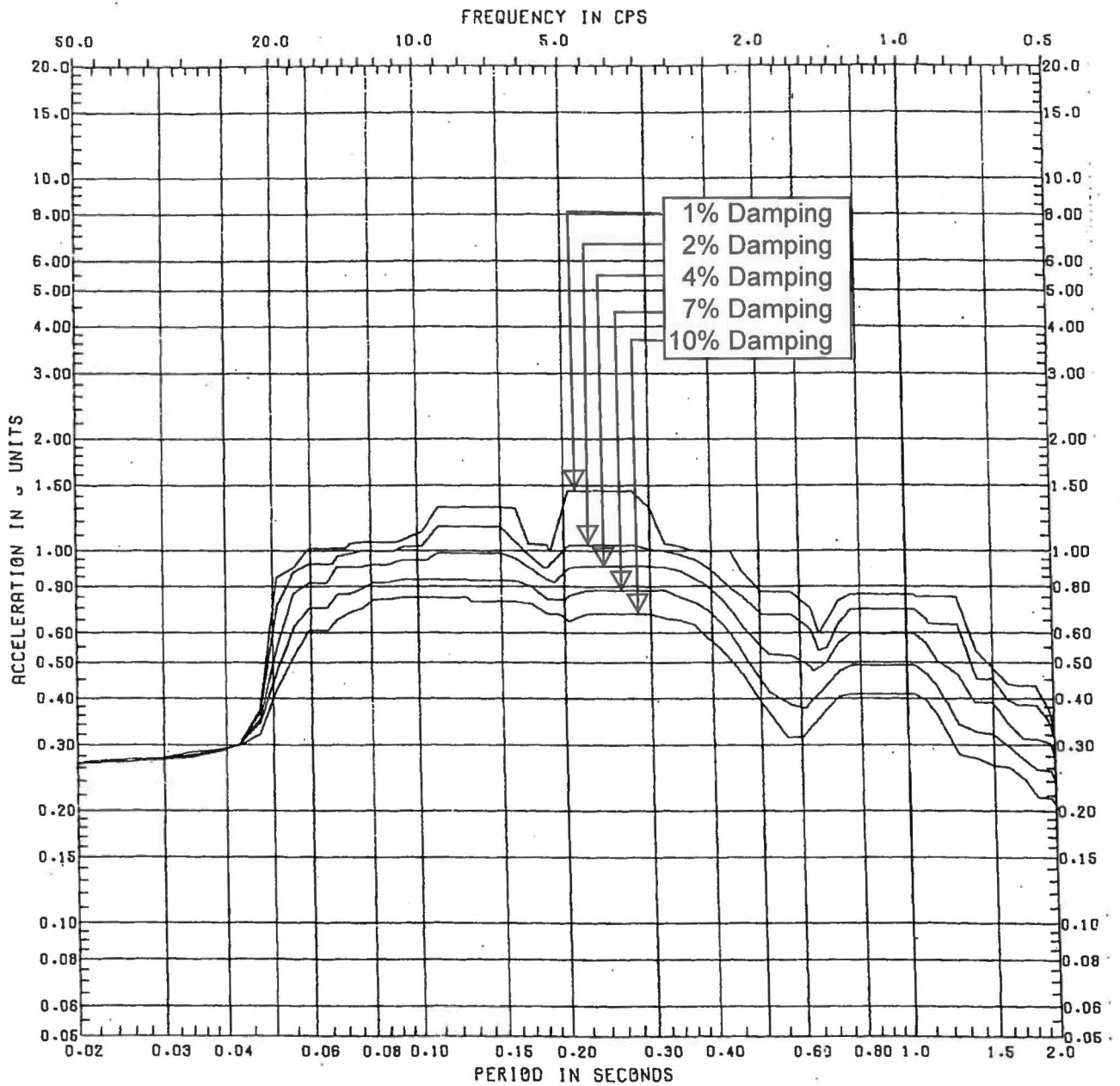
**FIGURE 3.7-86**  
**HORIZONTAL**  
**SSE RESPONSE SPECTRA CWSH -**  
**INTERMEDIATE FLOOR**  
**ELEVATION 682'-6" N-S**



**CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT**

**FIGURE 3.7-87**

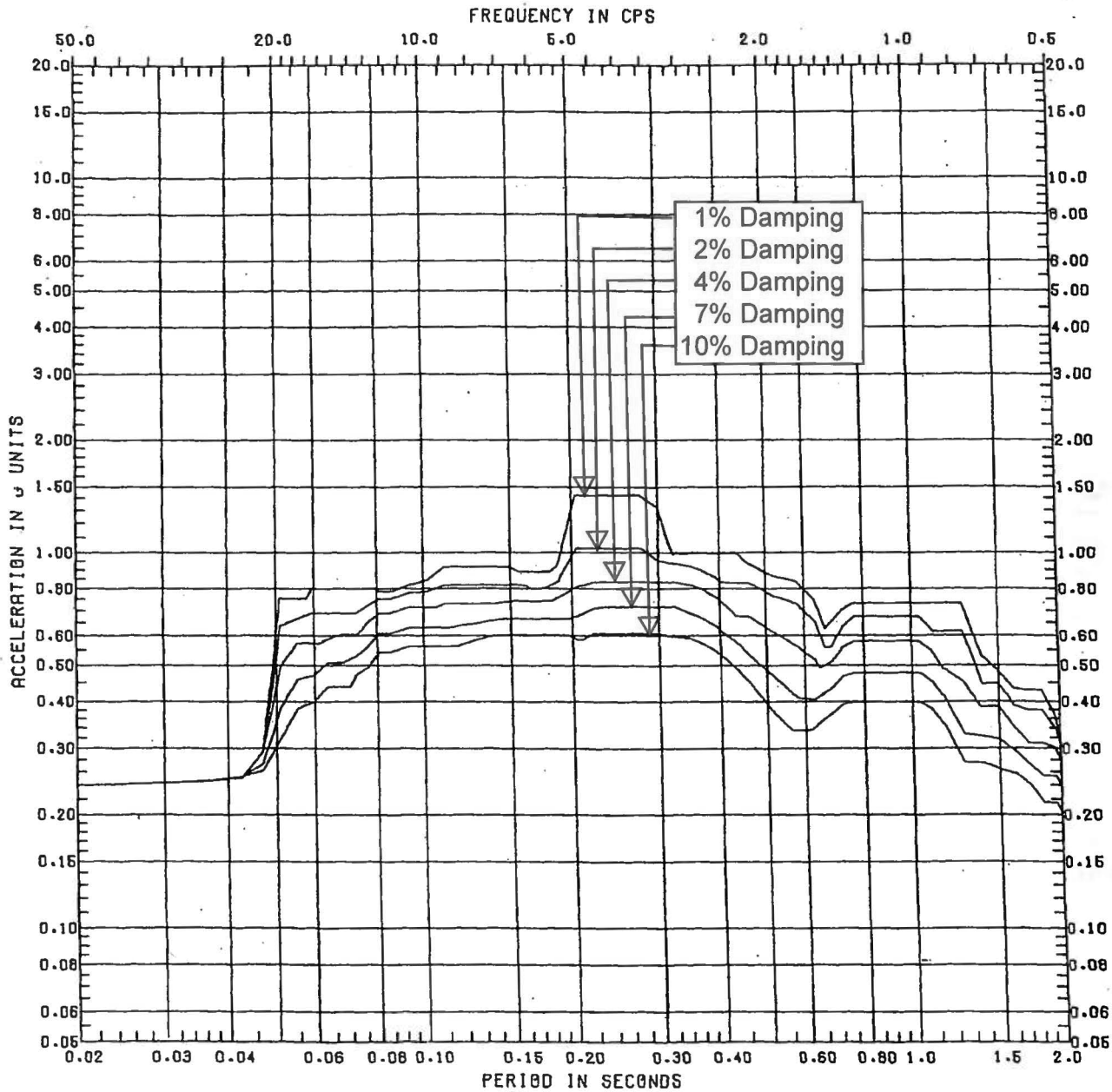
**HORIZONTAL  
SSE RESPONSE SPECTRA CWSH -  
INTERMEDIATE FLOOR  
ELEVATION 682'-6" E-W**



CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-88

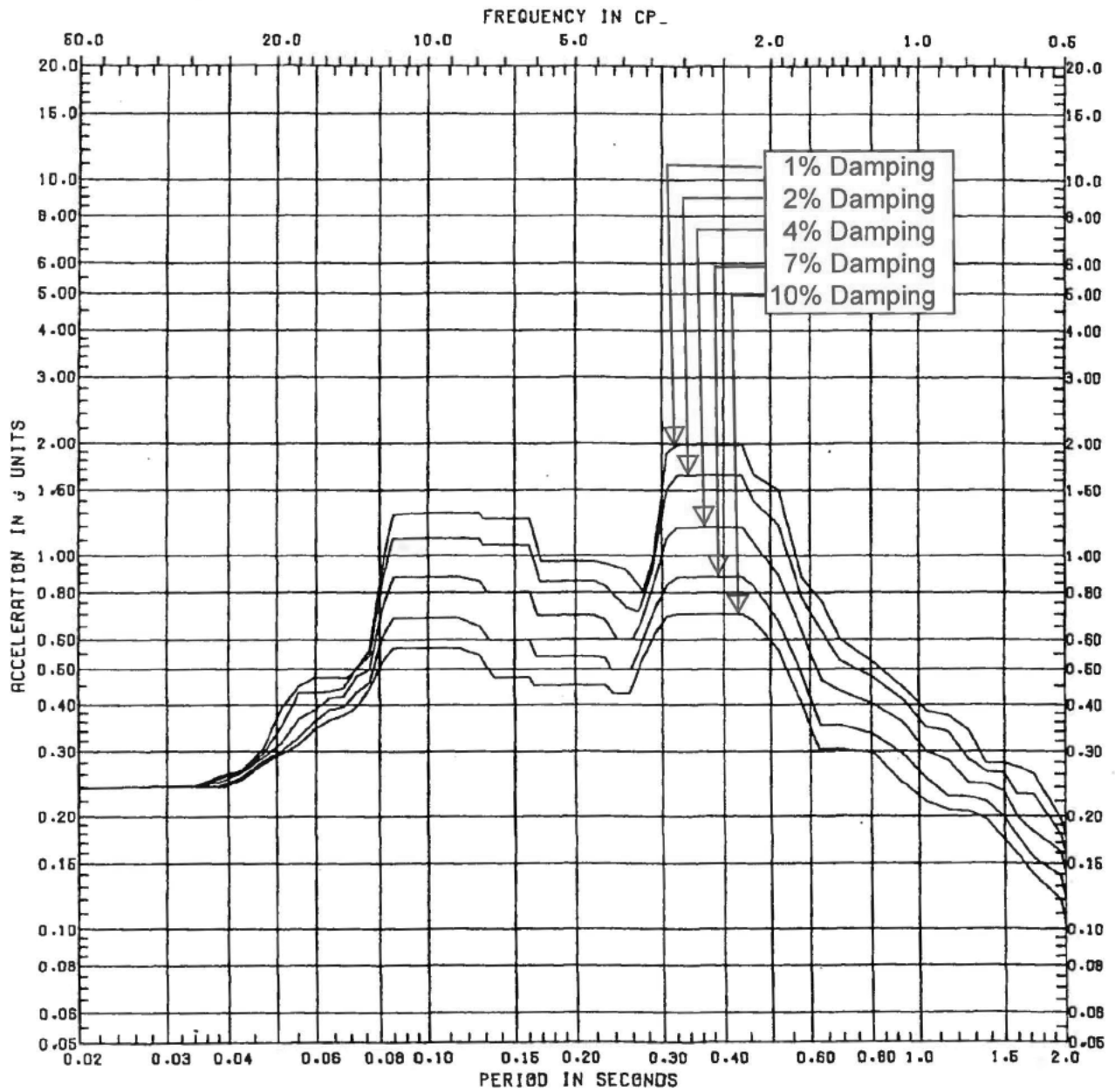
HORIZONTAL  
SSE RESPONSE SPECTRA CWSH -  
ROOF ELEVATION 730'-0" N-S



CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-89

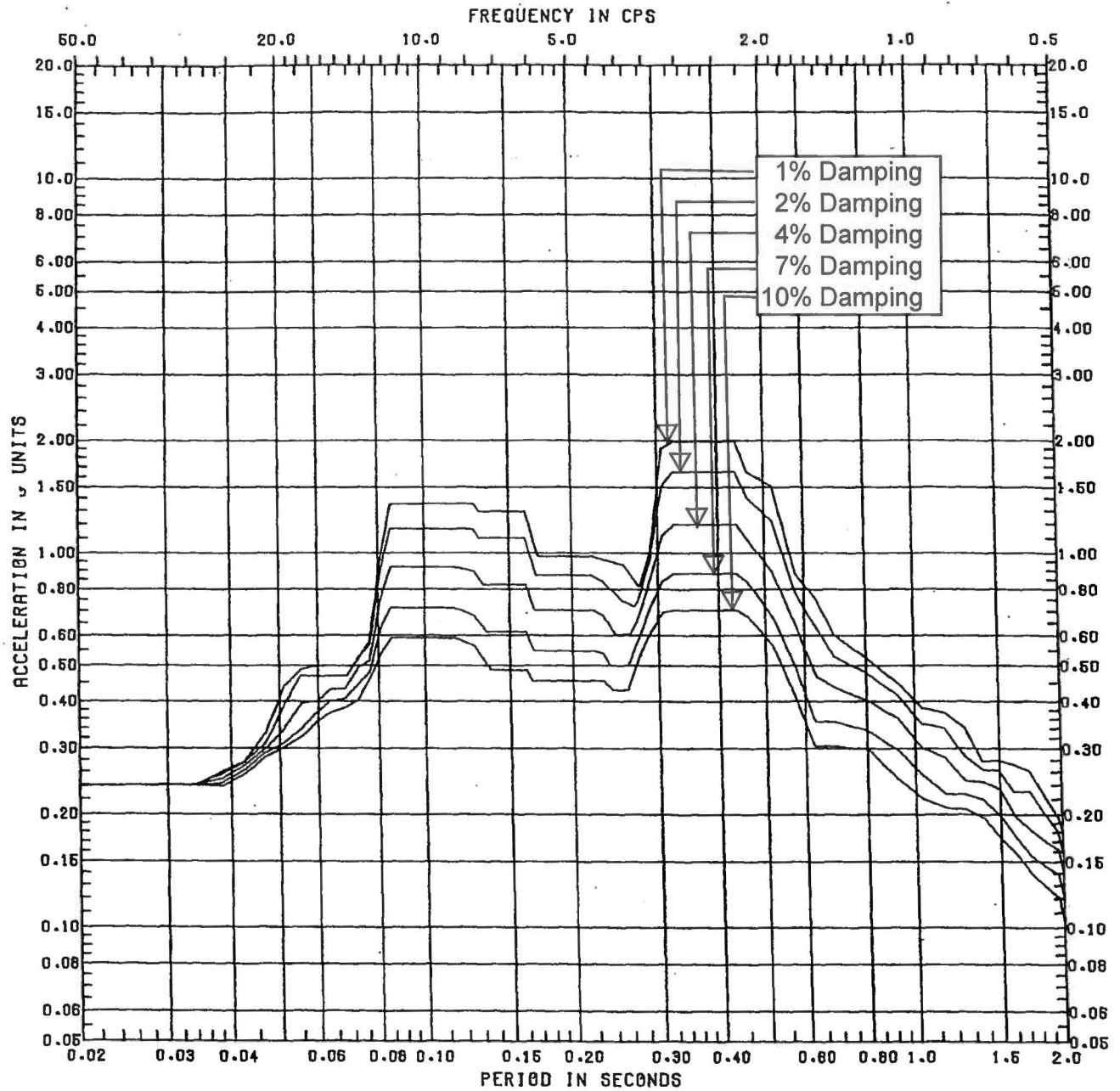
HORIZONTAL  
SSE RESPONSE SPECTRA CWSH -  
ROOF ELEVATION 730'-0" E-W



CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

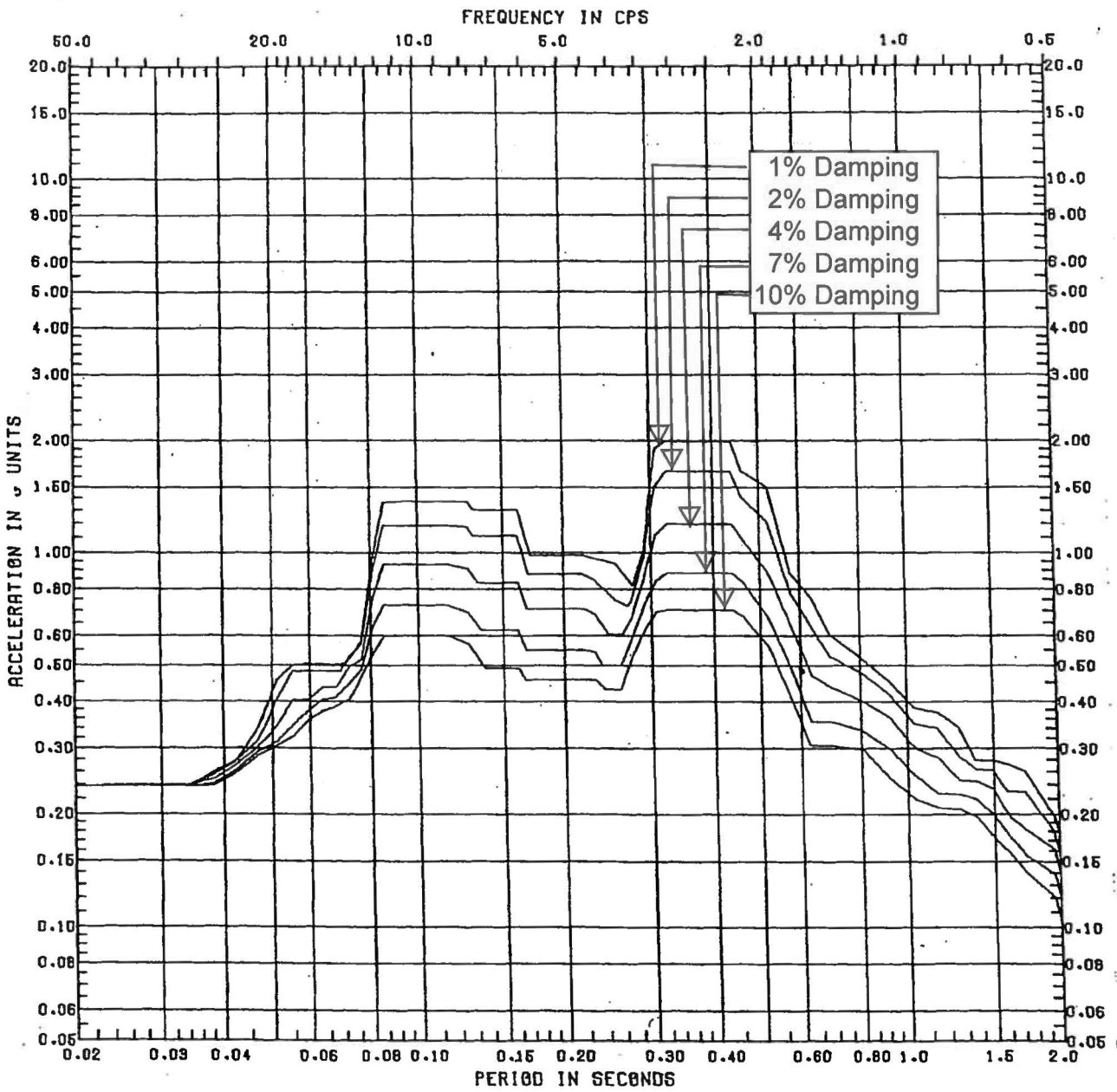
FIGURE 3.7-90

SSE RESPONSE SPECTRA CWSH-  
BASE ELEVATION 657'-6"  
VERTICAL WALL



**CLINTON POWER STATION**  
**UPDATED SAFETY ANALYSIS REPORT**

**FIGURE 3.7-91**  
**SSE RESPONSE SPECTRA CWSH -**  
**INTERMEDIATE FLOOR**  
**ELEVATION 682'-6"**  
**VERTICAL WALL**

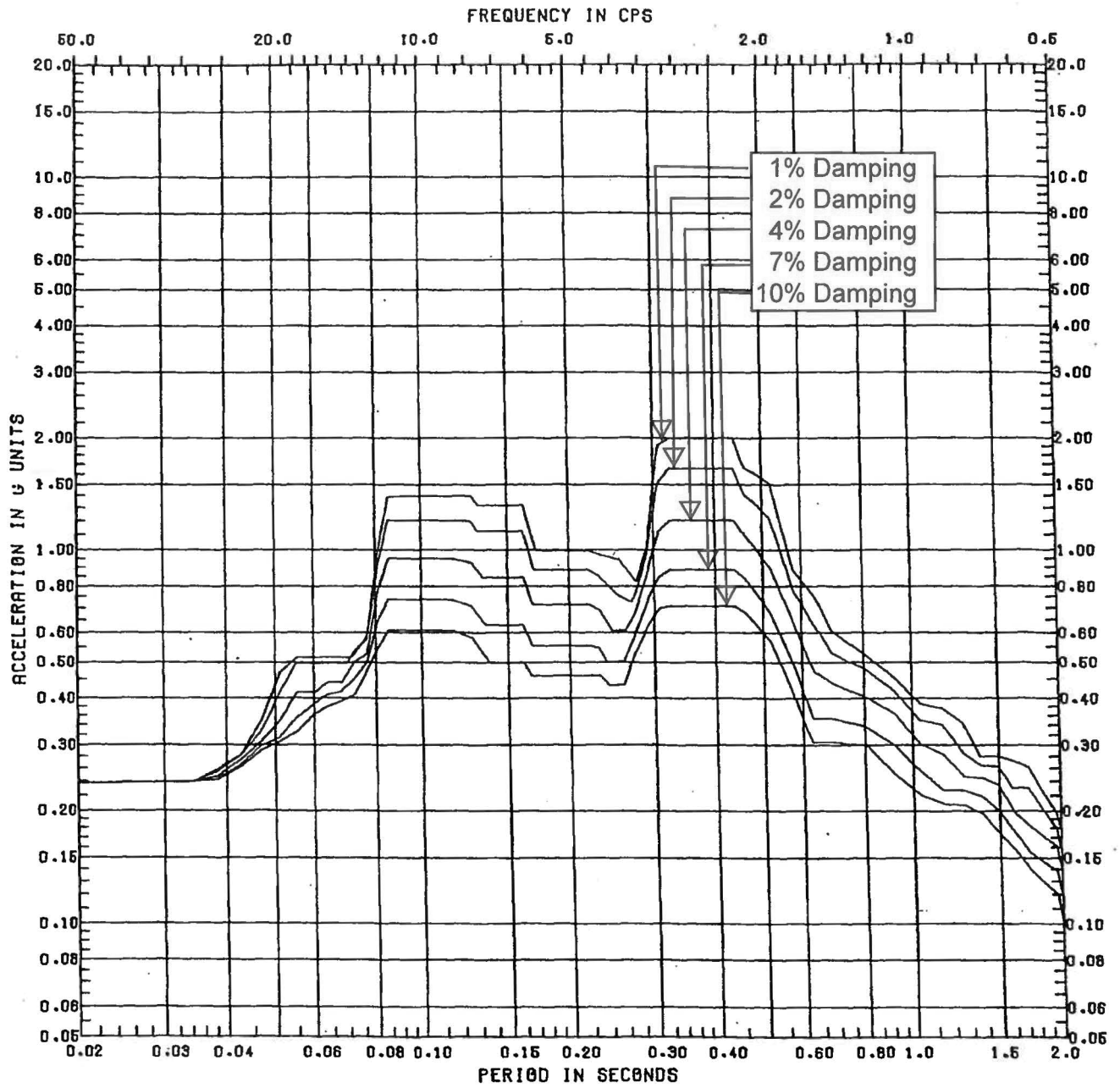


CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-92

SSE RESPONSE SPECTRA CWSH -  
MAIN FLOOR ELEVATION 699'-0"  
VERTICAL WALL

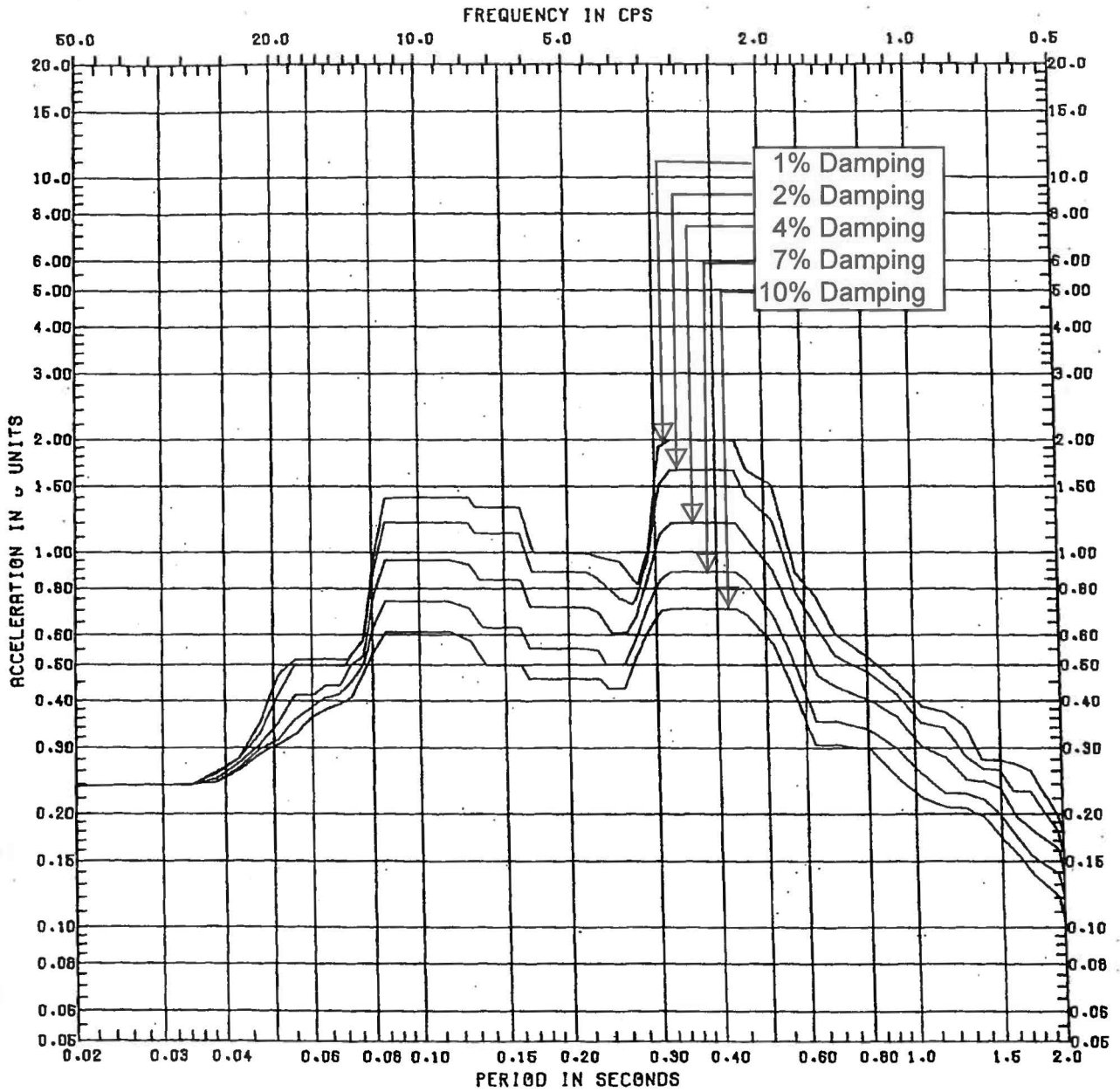




CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-93

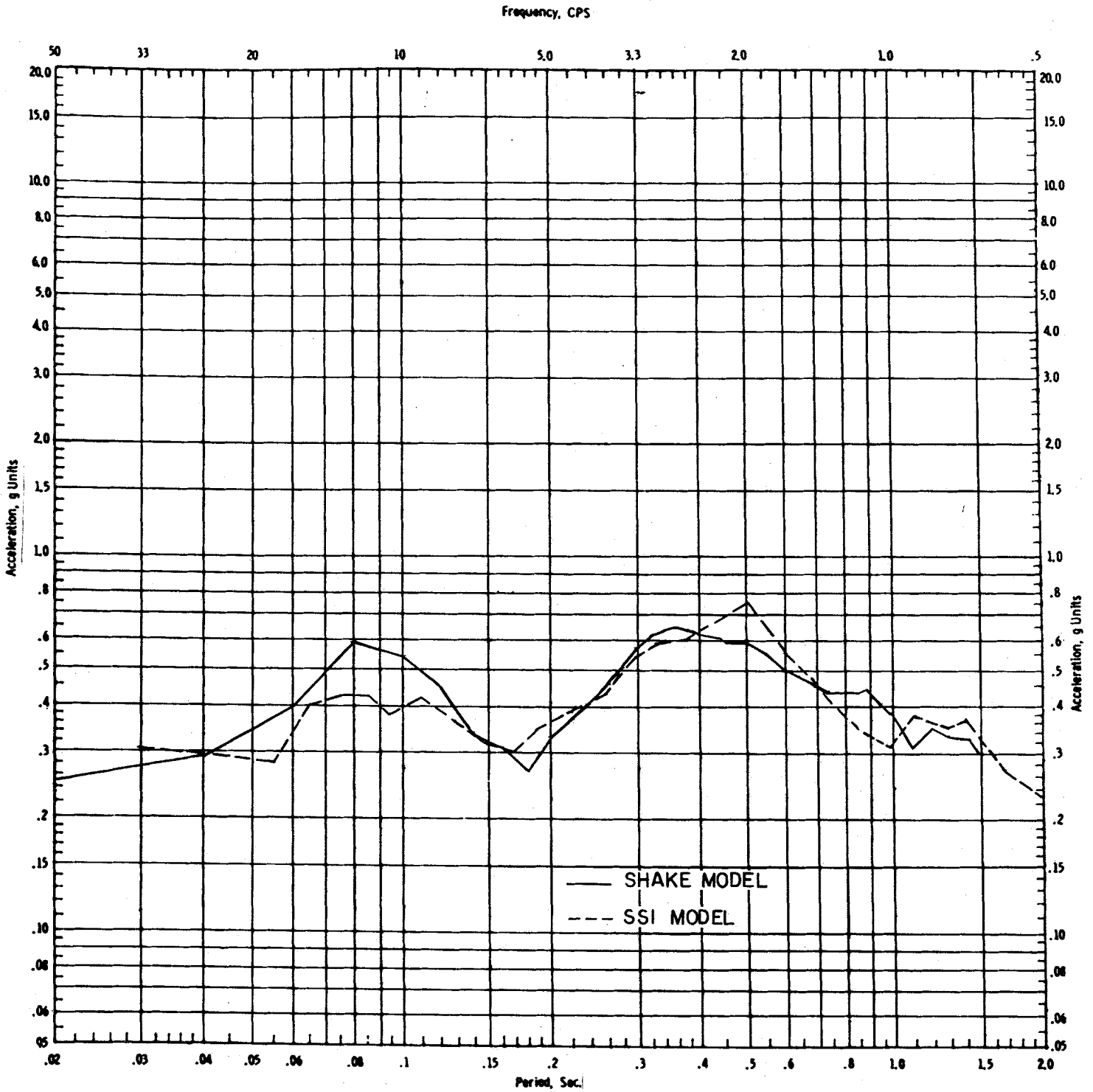
SSE RESPONSE SPECTRA CWSH -  
CRANE LEVEL ELEVATION 719'-0"  
VERTICAL WALL



CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-94

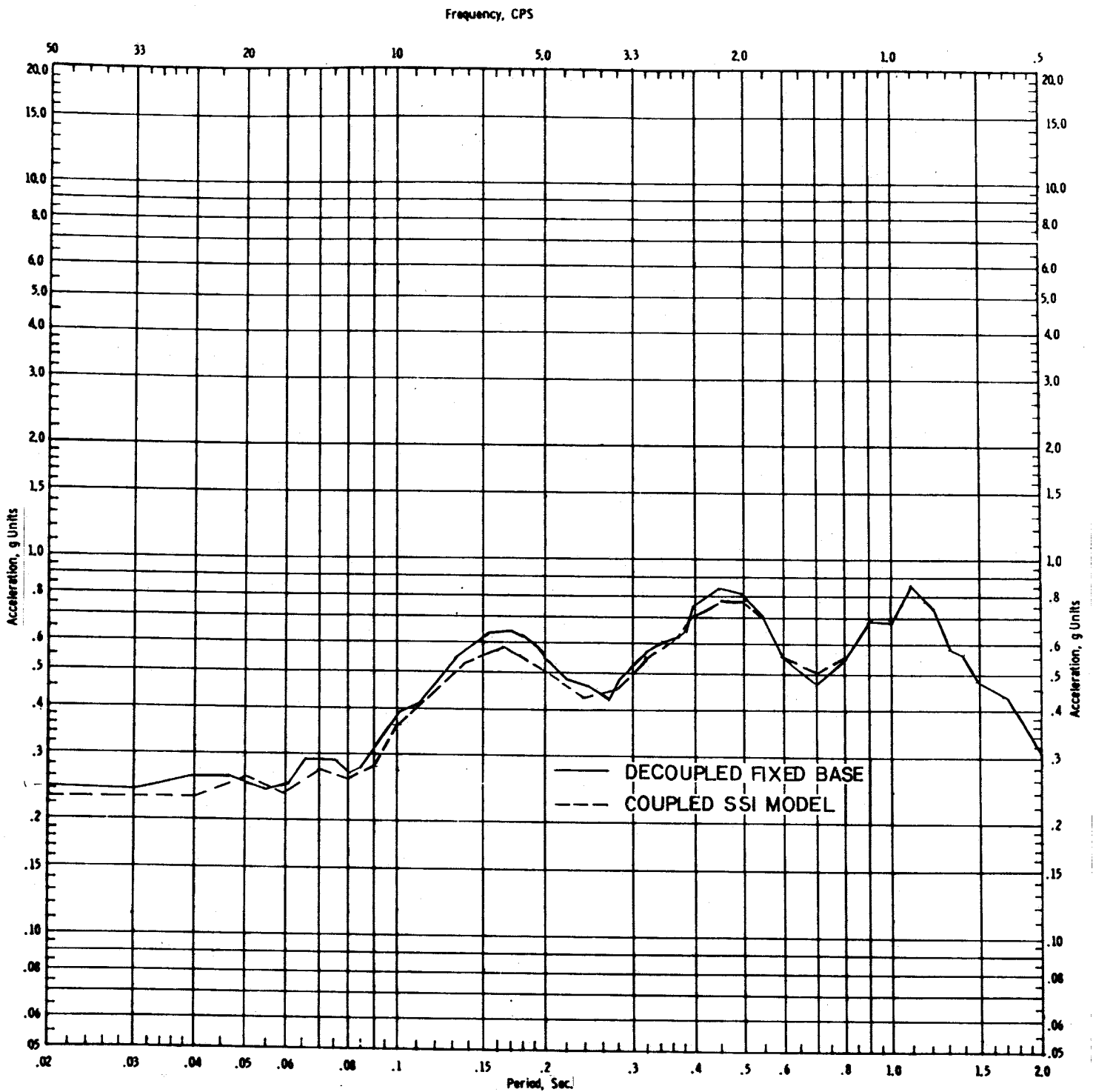
SSE RESPONSE SPECTRA CWSH -  
ROOF ELEVATION 730'-0"  
VERTICAL WALL



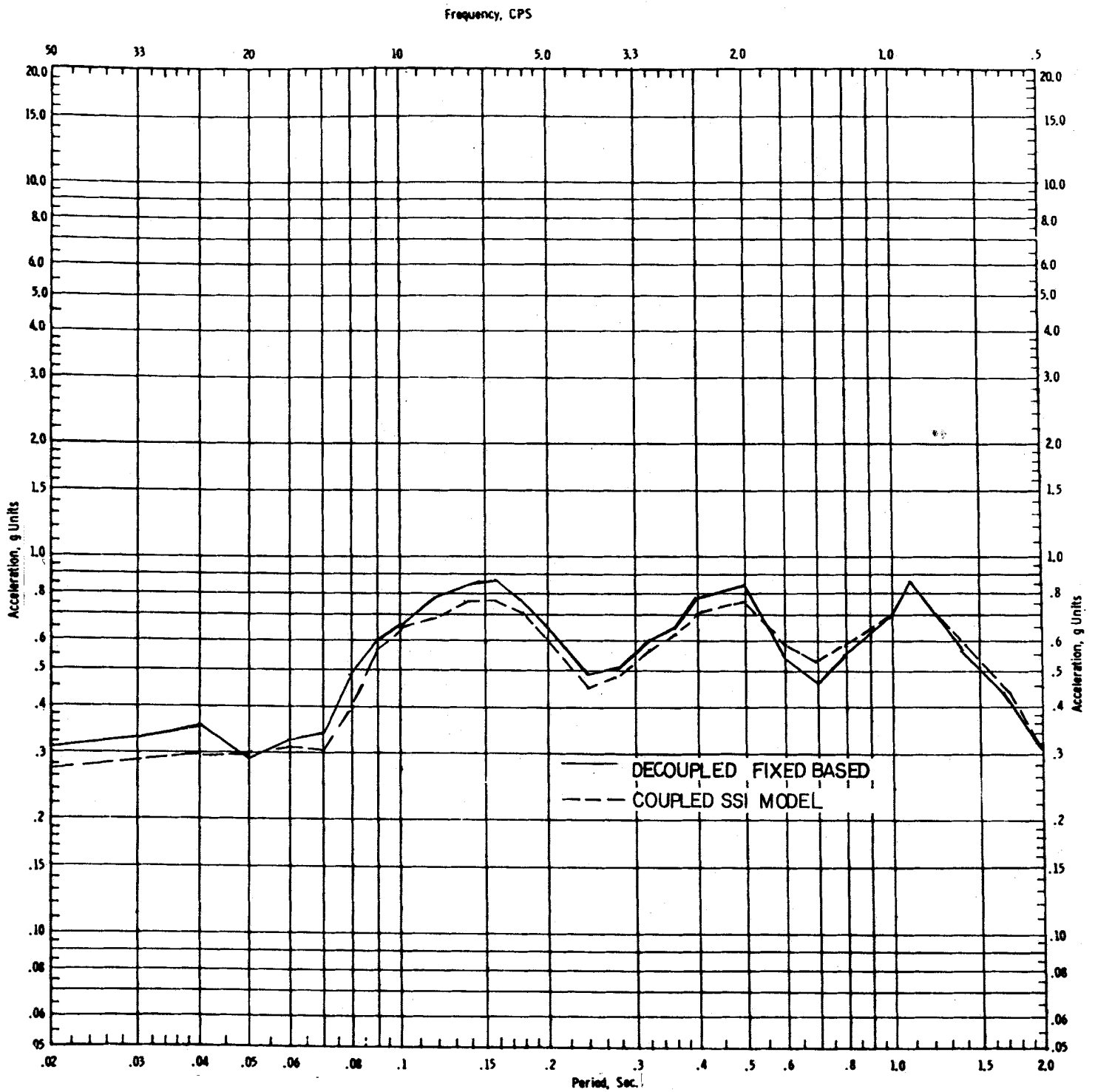
**CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT**

Figure 3.7-95  
(Q&R 220.24)

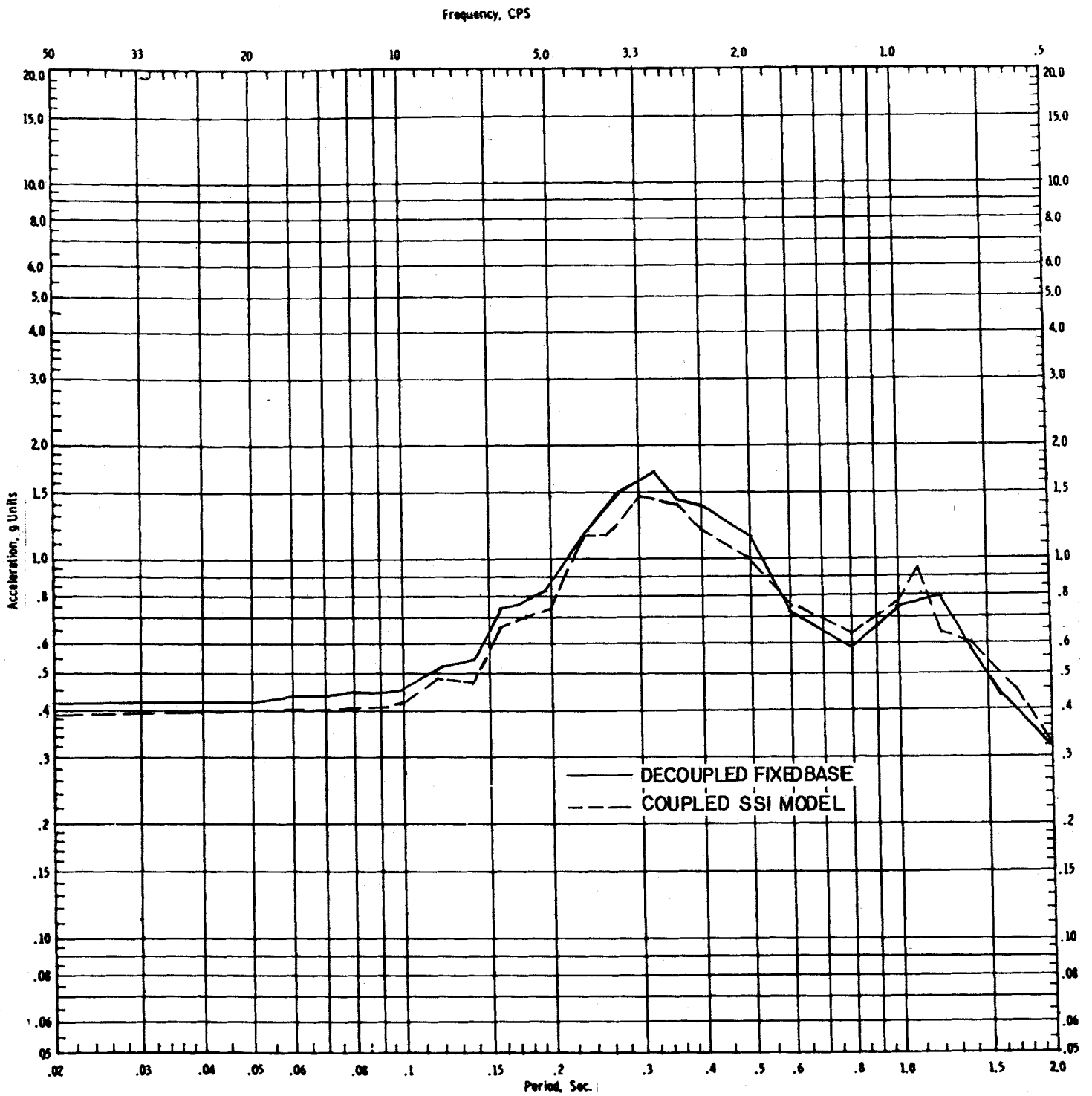
COMPARISON OF FREE FIELD  
FOUNDATION LEVEL SPECTRA  
FROM THE SHAKE AND SSI ANALYSIS



**CLINTON POWER STATION**  
**UPDATED SAFETY ANALYSIS REPORT**  
 Figure 3.7-96  
 (Q&R 220.25)  
**COMPARISON OF DECOUPLED FIXED BASE**  
**AND COUPLED SSI MODEL RESPONSES**  
**AT ELEVATION 781'-0"**  
**(UPPER MEZZANINE FLOOR)**



**CLINTON POWER STATION**  
**UPDATED SAFETY ANALYSIS REPORT**  
 Figure 3.7-97  
 (Q&R 220.25)  
**COMPARISON OF DECOUPLED FIXED BASE**  
**AND COUPLED SSI MODEL RESPONSES**  
**AT ELEVATION 825'-0"**  
**(VENT. FLOOR)**



**CLINTON POWER STATION**  
**UPDATED SAFETY ANALYSIS REPORT**  
 Figure 3.7-98  
 (Q&R 220.25)  
**COMPARISON OF DECOUPLED FIXED BASE**  
**AND COUPLED SSI MODEL RESPONSES**  
**AT ELEVATION 874'-0"**  
**(TURBINE ROOM ROOF)**

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2.390*

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

Figure 3.7-99  
(Q&R 220.36)

DETAIL OF PIPE ATTACHMENT

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UPDATED SAFETY ANALYSIS REPORT

Figure 3.7-100  
(Q&R 220.36)

ELECTRICAL MANHOLE  
CONNECTION DETAILS



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2.390***

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

Figure 3.7-101  
(Q&R 220.36)

TYPICAL DUCT DETAIL  
AT MANHOLE WALL  
(CATEGORY I)

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**CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT**

FIGURE 3.8-1

CONTAINMENT SYSTEM

(SHEET 1 of 2)

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CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-1

CONTAINMENT SYSTEM

(SHEET 2 of 2)

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld  
Under 10 CFR 2.390*



<b>CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT</b>
FIGURE 3.8-2 CONTAINMENT FRAMING PLAN (SHEET 1 of 6)

*Security - Related Information Withheld Under 10 CFR 2.390*

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CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE 3.8-2 CONTAINMENT FRAMING PLAN (SHEET 2 of 6)

*Security - Related Information Withheld Under 10 CFR 2.390*

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CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-2

CONTAINMENT FRAMING PLAN

(SHEET 3 of 6)

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CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-2

CONTAINMENT FRAMING PLAN

(SHEET 4 of 6)

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*Security - Related Information Withheld Under 10 CFR 2.390*

**CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT**

FIGURE 3.8-2

CONTAINMENT FRAMING PLAN

(SHEET 5 of 6)



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*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE 3.8-2 CONTAINMENT FRAMING PLAN (SHEET 6 of 6)

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security -  
Related  
Information  
Withheld Under  
10 CFR 2.390*

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FIGURE 3.8-3

CONTAINMENT WALL & DOME  
REINFORCING DETAILS

(SHEET 1 of 2)

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-3

CONTAINMENT WALL & DOME  
REINFORCING DETAILS

(SHEET 2 of 2)

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Under 10 CFR 2.390*

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FIGURE 3.8-4

PERSONNEL AND EQUIPMENT HATCH  
REINFORCING DETAILS (CONTAINMENT)

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*Security - Related Information Withheld Under 10 CFR 2.390*

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FIGURE 3.8-5
BASE MAT TOP REINFORCING PLAN CONTAINMENT AND FUEL BUILDING

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*Security - Related Information  
Withheld Under 10 CFR 2.390*

<b>CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT</b>
FIGURE 3.8-6
BASE MAT TOP REINFORCING PLAN CONTAINMENT AND AUXILIARY BUILDING

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-7

BASE MAT BOTTOM REINFORCING PLAN  
CONTAINMENT AND FUEL BUILDING

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CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-8

BASE MAT BOTTOM REINFORCING PLAN  
CONTAINMENT AND AUXILIARY BUILDING



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UPDATED SAFETY ANALYSIS REPORT  
FIGURE 3.8-9  
BASE MAT SECTION REINFORCING DETAIL

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180 170 160 150 140 130 120 110 100 90 80 70 60 50 40 30 20 10

<b>CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT</b>
FIGURE 3.8-10 CONTAINMENT DEVELOPED ELEVATION (SHEET 1 of 4)

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CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE 3.8-10 CONTAINMENT DEVELOPED ELEVATION (SHEET 2 of 4)

*Security - Related Information Withheld Under 10 CFR 2.390*

<b>CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT</b>
FIGURE 3.8-10 CONTAINMENT DEVELOPED ELEVATION (SHEET 3 of 4)

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-10

CONTAINMENT DEVELOPED ELEVATION

(SHEET 4 of 4)

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FIGURE 3.8-11

CONTAINMENT BUILDING PENETRATIONS

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CFR 2.390***

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FIGURE 3.8-12

ELECTRICAL PENETRATIONS

Note: Figure 3.8-12 Page 2 of 2 has  
been deleted.

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FIGURE 3.8-13  
PERSONNEL AND EQUIPMENT HATCH  
DETAILS

SHEET 1 OF 2



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DRYWELL CEILING PERSONNEL HATCH

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-13

PERSONNEL AND EQUIPMENT HATCH  
DETAILS  
(SHEET 2 of 2)

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*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE 3.8-14 CONTAINMENT LINER DETAILS (SHEET 1 of 2)

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**CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT**

FIGURE 3.8-14

CONTAINMENT LINER DETAILS

(SHEET 2 of 2)

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PARTIAL PLAN VIEW

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE 3.8-15
DOME LINER

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TYPICAL CRANE GIRDER INTERMEDIATE BRACKET

SECTION B-B

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE 3.8-16 CRANE GIRDER BRACKET EMBEDMENT DETAIL

F

DEAD LOAD

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE 3.8-17 FORCE PLOTS - CONTAINMENT WALL (SHEET 1 of 4)

#

SUPPRESSION POOL WATER

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-17

FORCE PLOTS - CONTAINMENT WALL

(SHEET 2 of 4)

T

ACCIDENT PRESSURE

<b>CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT</b>
FIGURE 3.8-17
FORCE PLOTS - CONTAINMENT WALL
(SHEET 3 of 4)



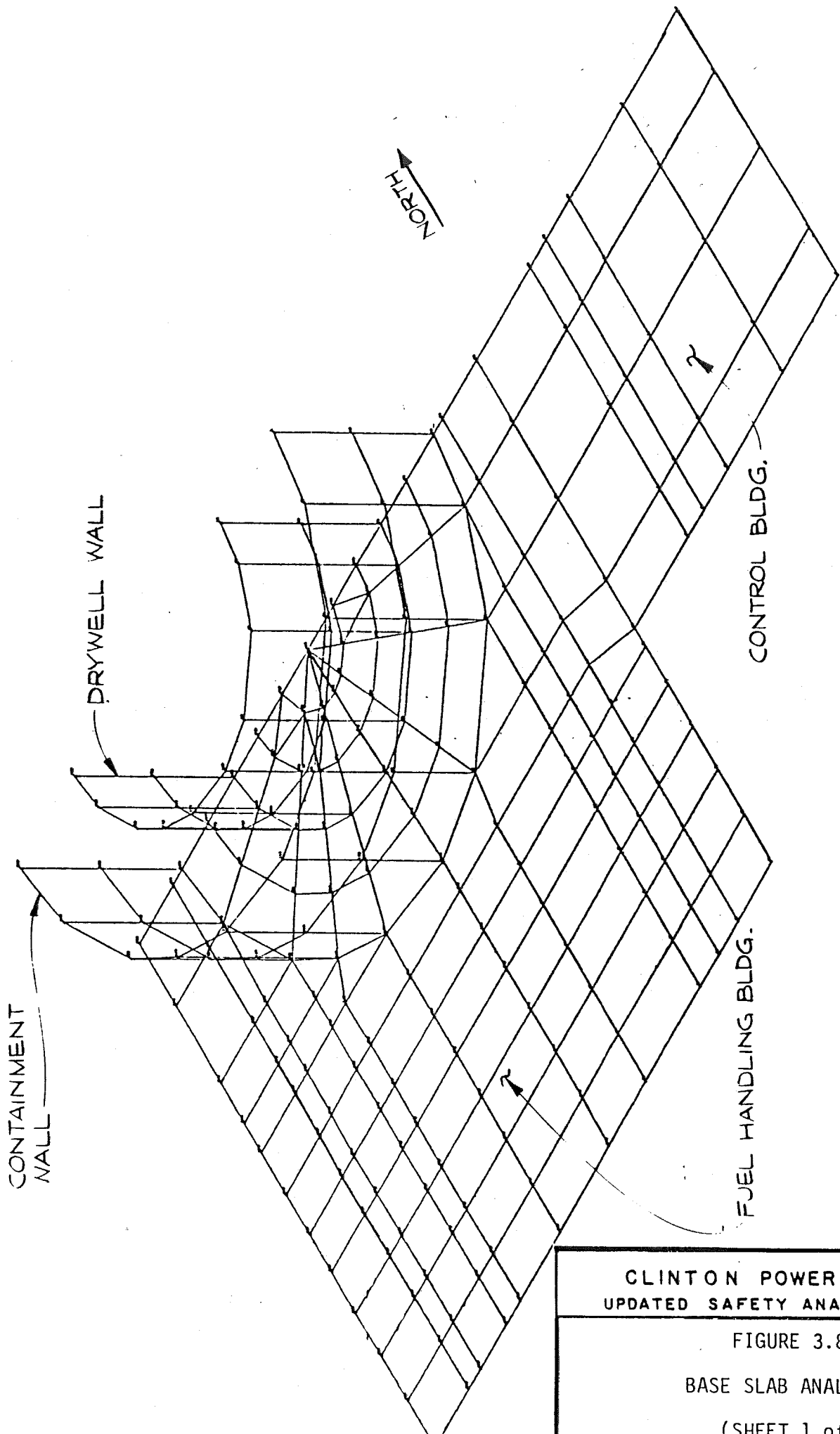
SAFE SHUTDOWN EARTHQUAKE

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-17

FORCE PLOTS - CONTAINMENT WALL

(SHEET 4 of 4)

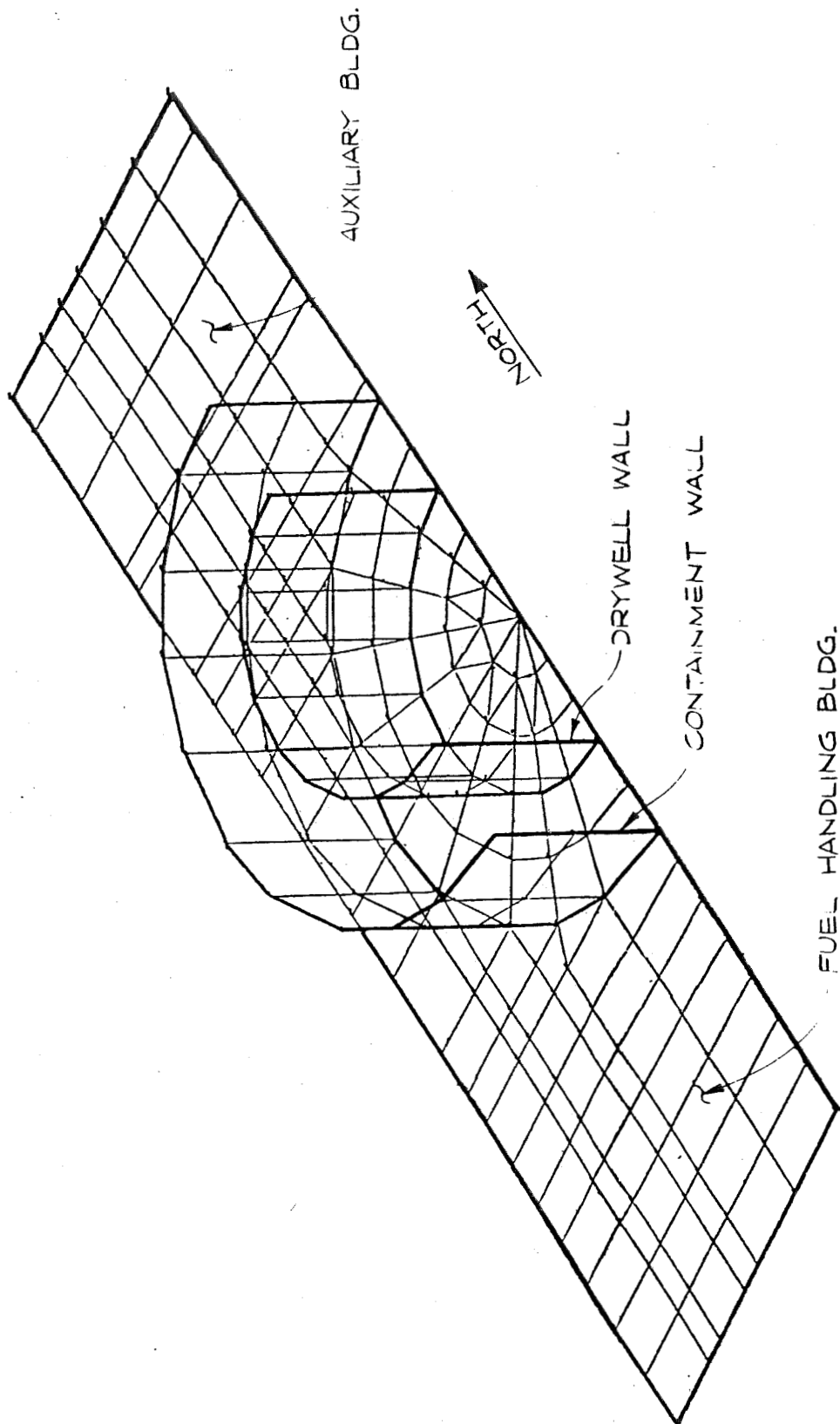


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 UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-18

BASE SLAB ANALYTICAL

(SHEET 1 of 2)

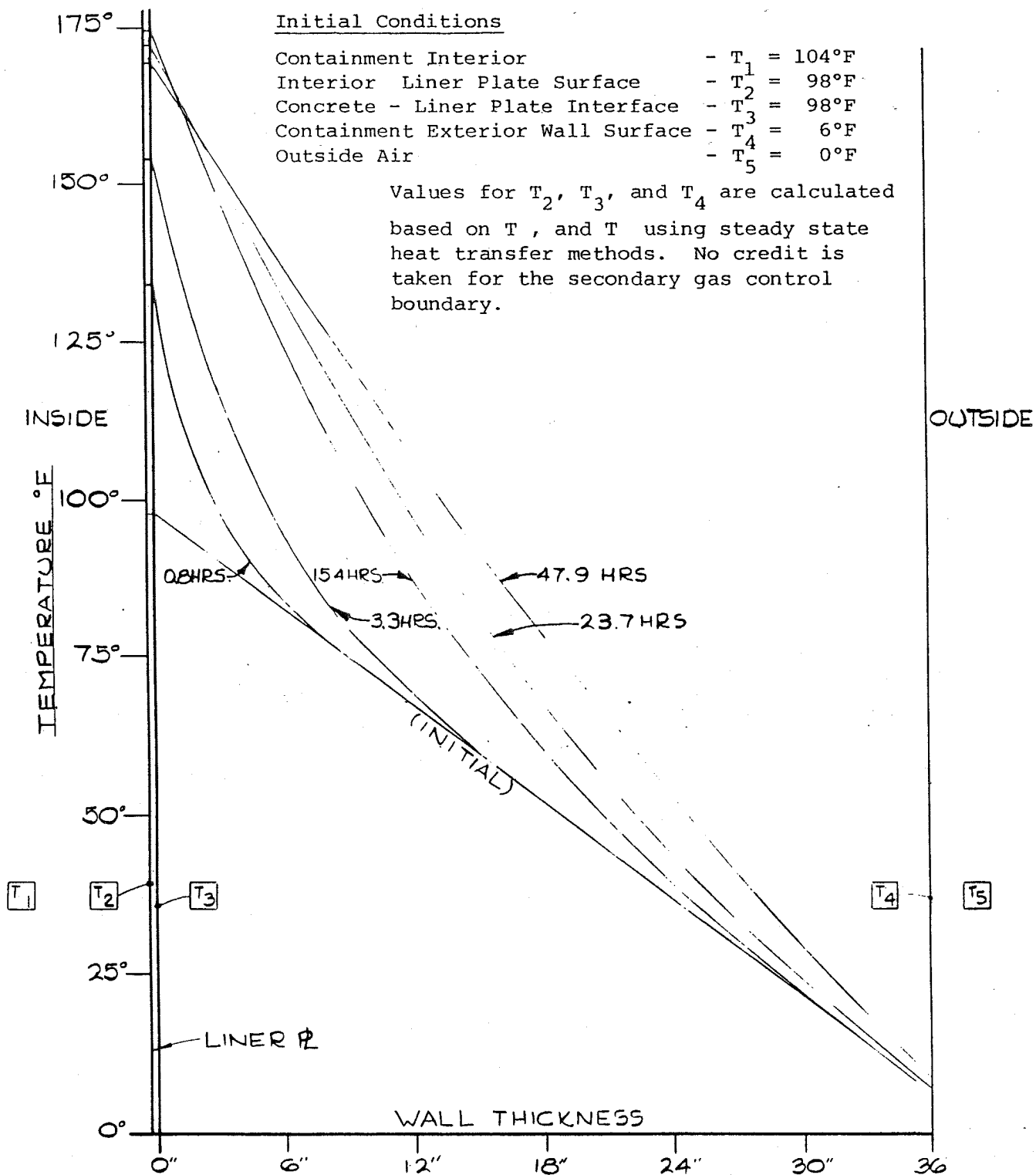


CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

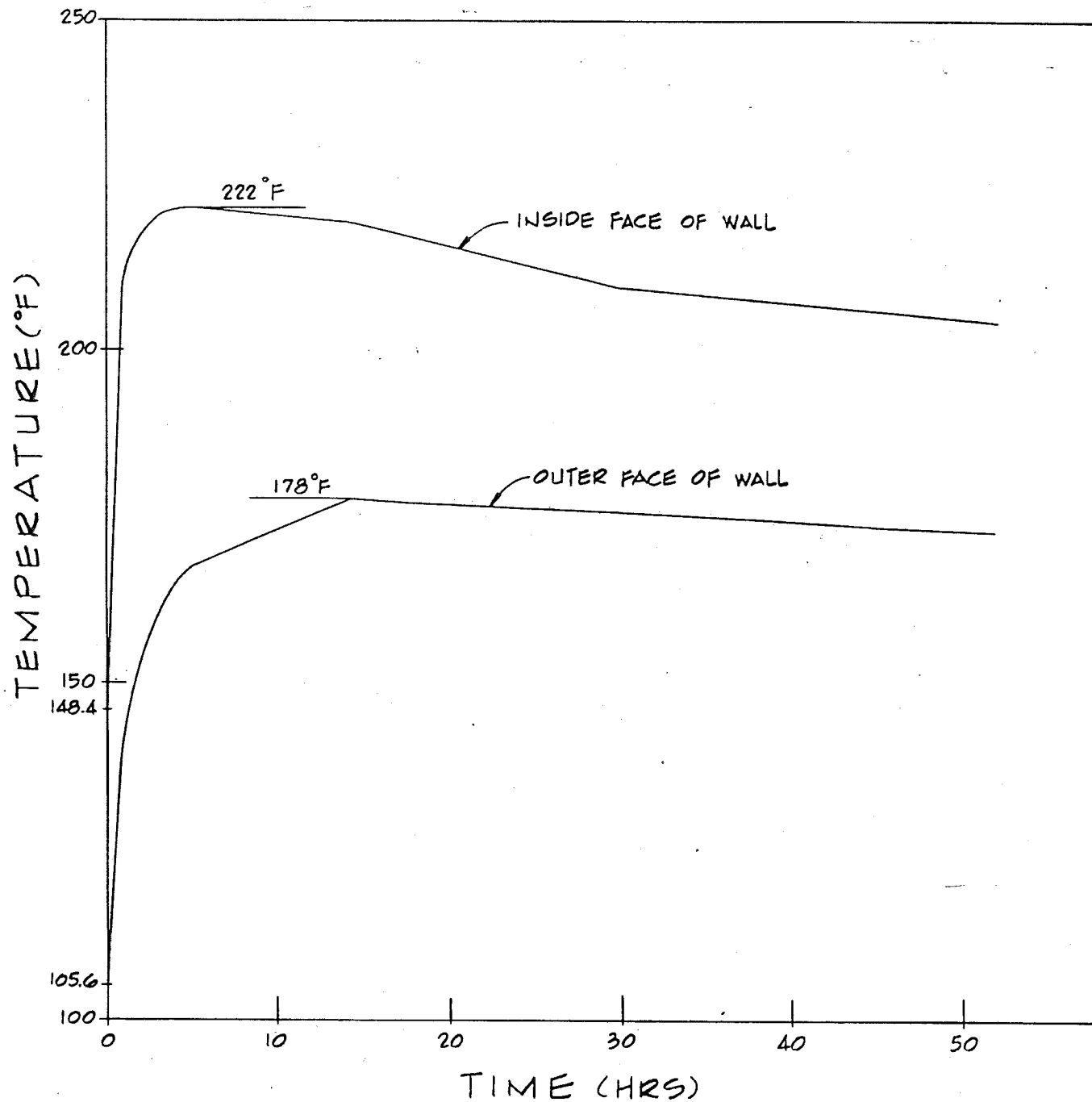
FIGURE 3.8-18

BASE SLAB ANALYTICAL

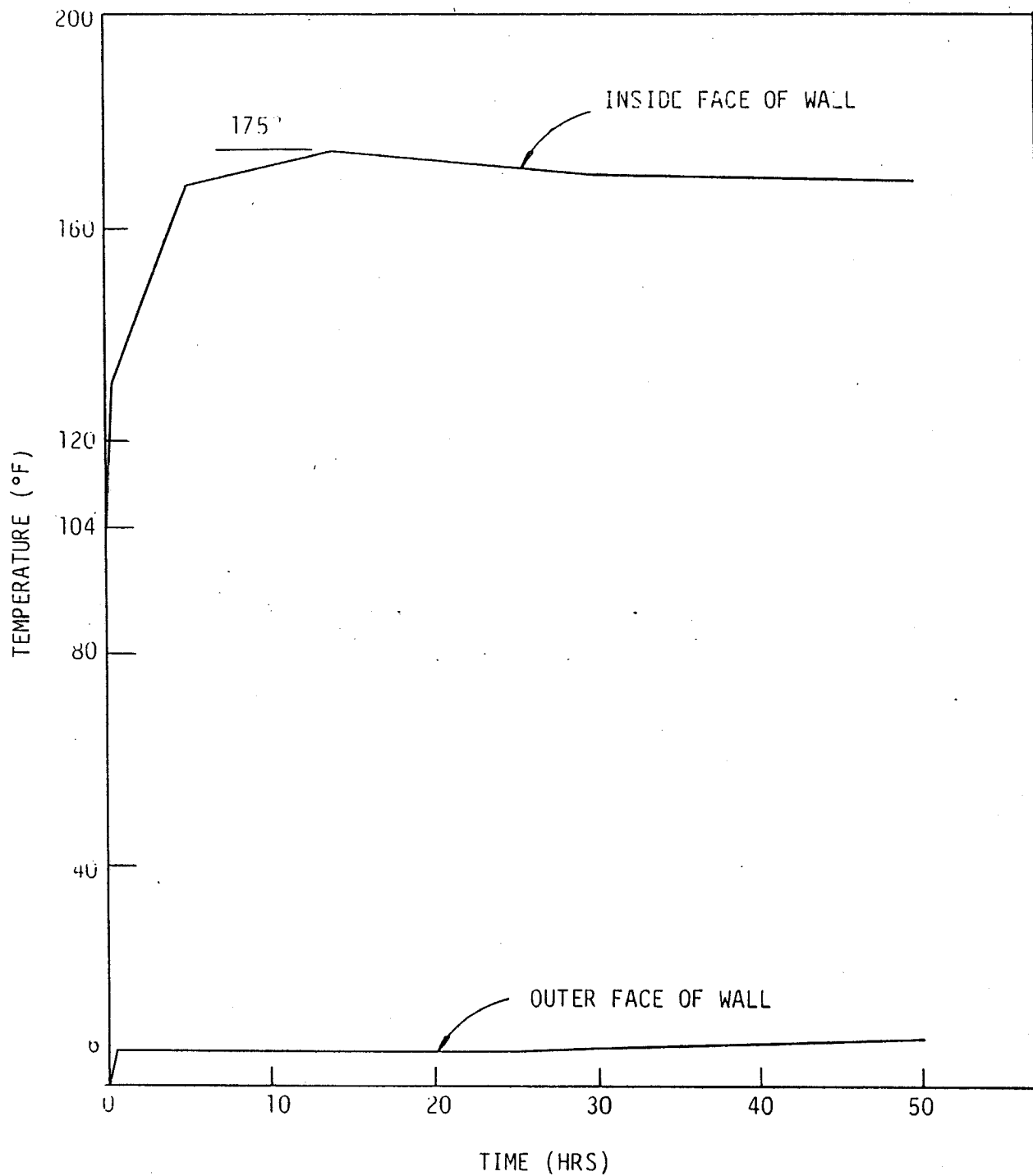
(SHEET 2 of 2)



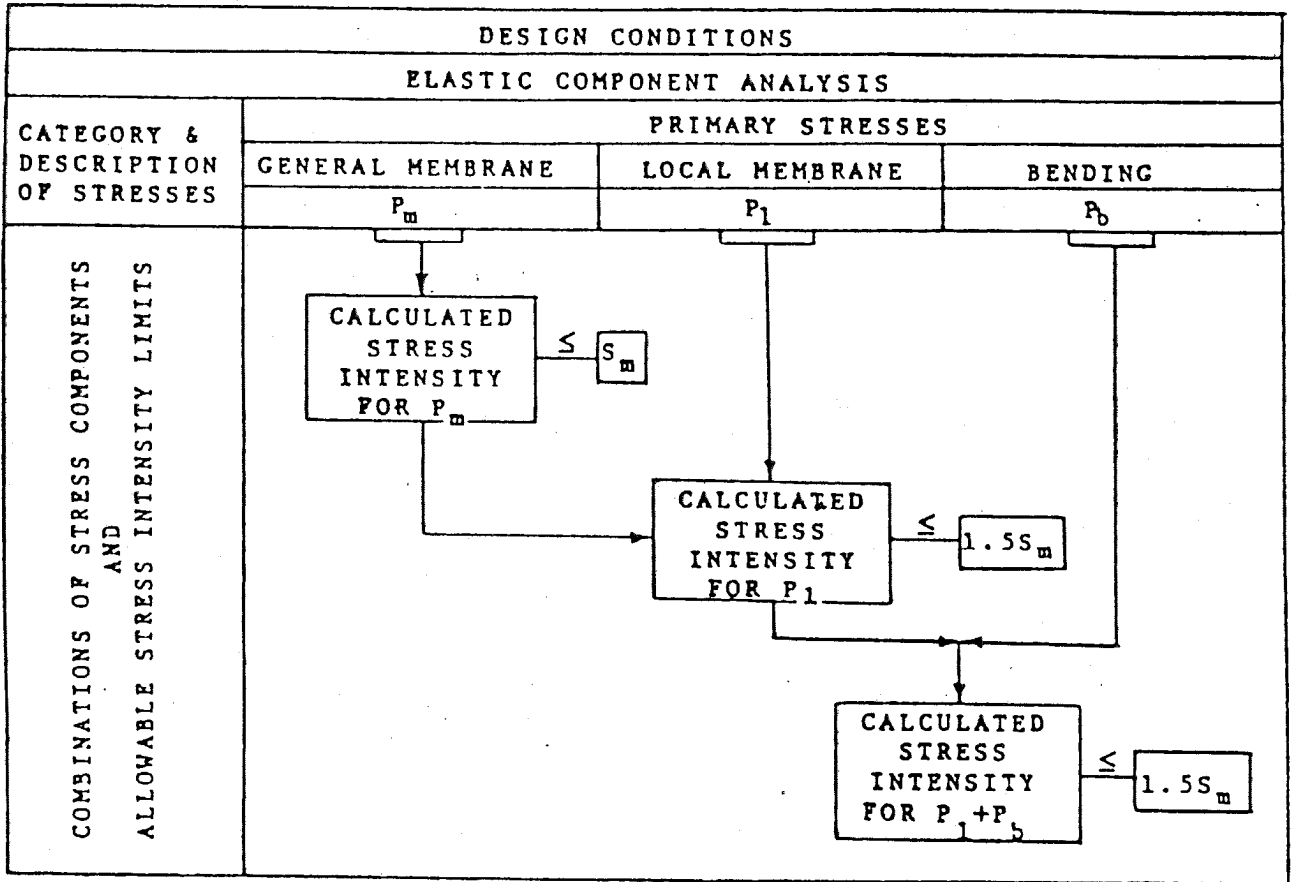
TRANSIENT TEMPERATURE  
DISTRIBUTION THRU CONTAINMENT  
WALL AFTER LOCA (WINTER)



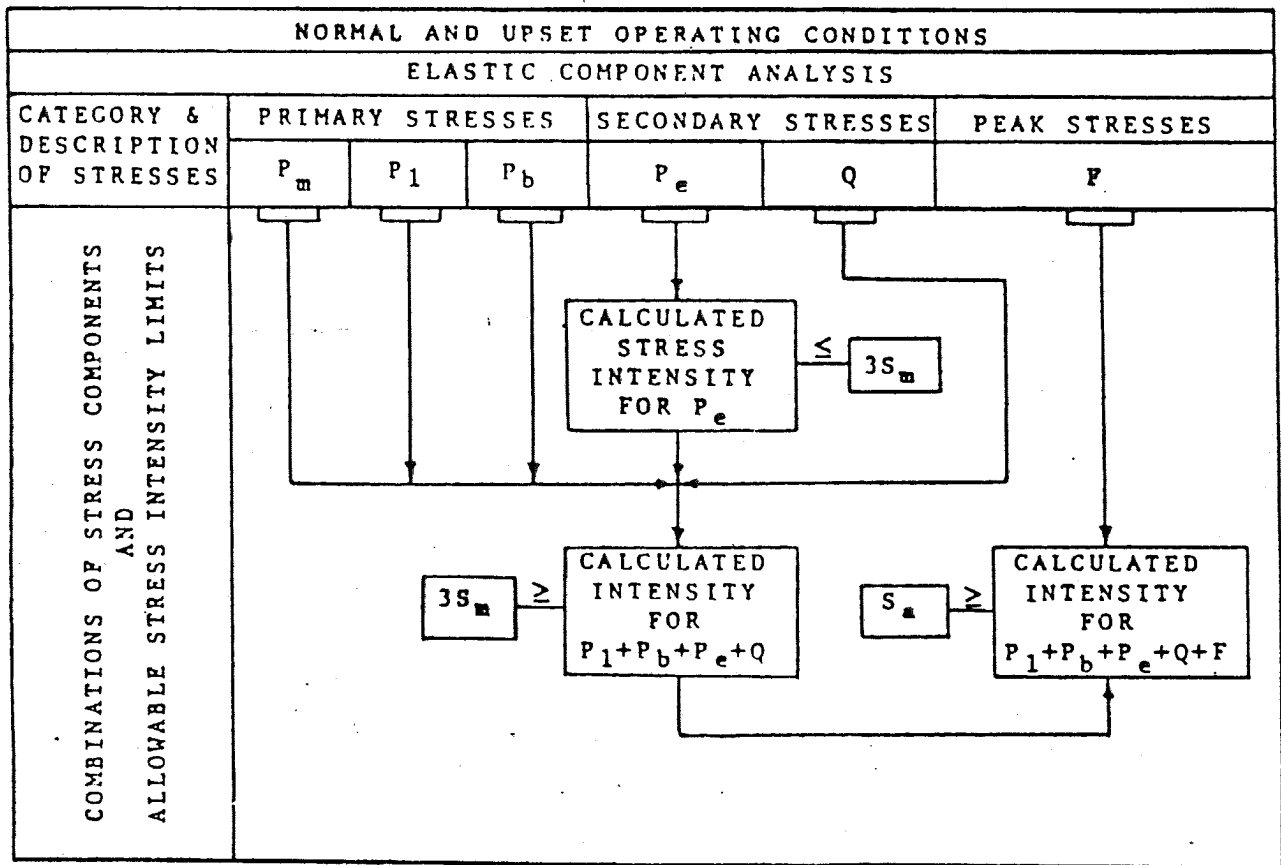
CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT  
 FIGURE 3.8-19  
 THERMAL GRADIENTS  
 (SHEET 2 of 3)



CLINTON POWER STATION  
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 FIGURE 3.8-19  
 THERMAL GRADIENTS  
 (SHEET 3 of 3)



CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT  
 FIGURE 3.8-20  
 STRESS CATEGORIES AND STRESS INTENSITY  
 LIMITS FOR DESIGN CONDITIONS

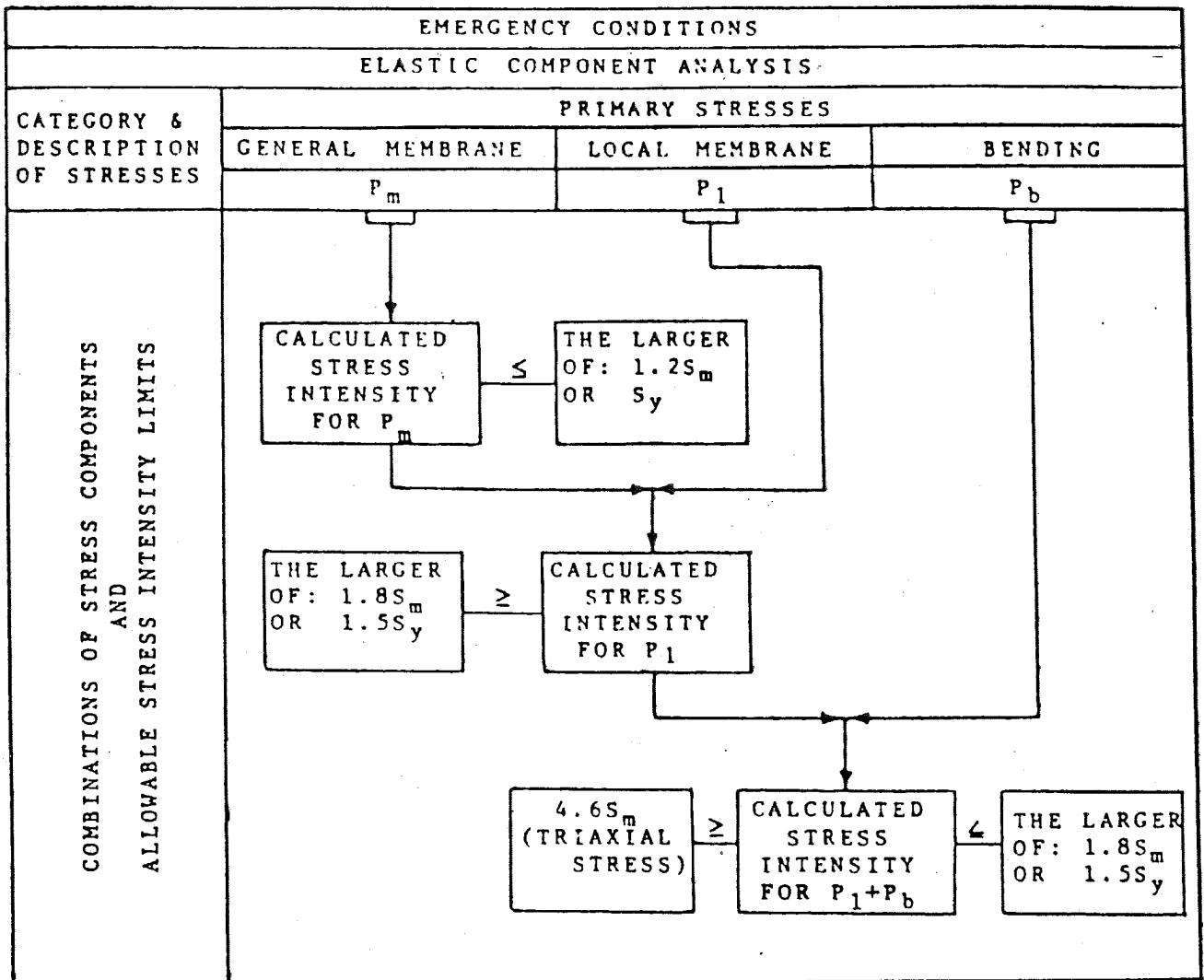


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FIGURE 3.8-21

STRESS CATEGORIES AND STRESS INTENSITY LIMITS FOR NORMAL AND UPSET CONDITIONS

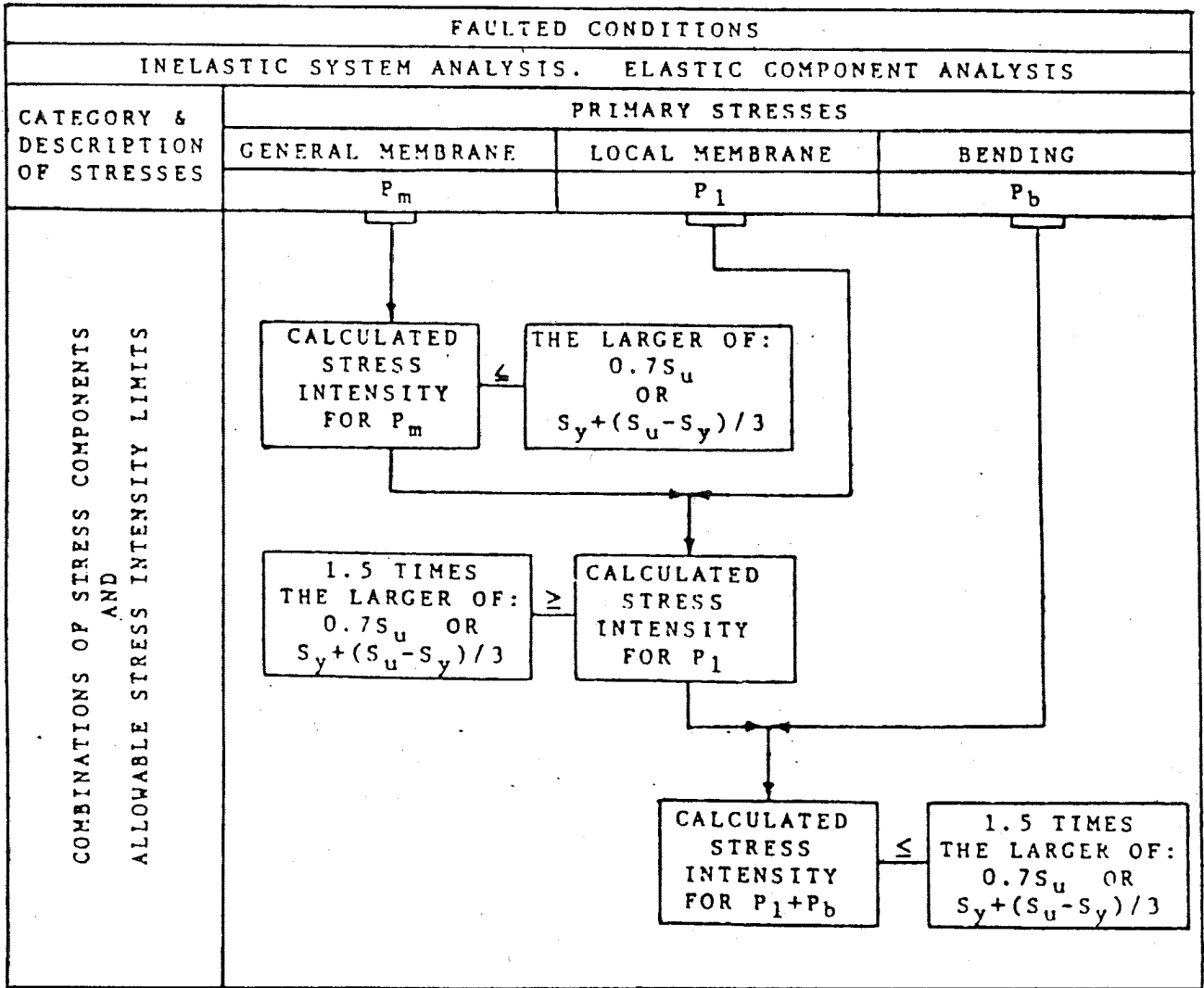




CLINTON POWER STATION  
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FIGURE 3.8-22

STRESS CATEGORIES AND STRESS INTENSITY  
 LIMITS FOR EMERGENCY CONDITIONS



**CLINTON POWER STATION**  
**UPDATED SAFETY ANALYSIS REPORT**  
 FIGURE 3.8-23  
 STRESS CATEGORIES AND STRESS INTENSITY LIMITS FOR FAULTED CONDITIONS

**CPS/USAR**

Figure 3.8-24  
Deleted

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*Security - Related Information Withheld Under 10 CFR 2.390*

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FIGURE 3.8-25

REACTOR SHIELD WALL

(SHEET 1 of 2)

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*Security - Related Information Withheld Under 10  
CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE 3.8-25 REACTOR SHIELD WALL (SHEET 2 of 2)

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FIGURE 3.8-26  
REACTOR PEDESTAL DETAILS  
(SHEET 1 of 2)

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CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE 3.8-26 REACTOR PEDESTAL DETAILS (SHEET 2 of 2)

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*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE 3.8-27 DRYWELL REINFORCING DETAILS



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*Security - Related Information Withheld Under 10 CFR 2.390*

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FIGURE 3.8-28  
PERSONNEL & EQUIPMENT HATCHES  
REINFORCING DETAILS - DRYWELL WALL

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FIGURE 3.8-29

MAIN STEAMLIN REINFORCING -  
DRYWELL WALL



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*Security - Related  
Information  
Withheld Under  
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FIGURE 3.8-30  
DRYWELL WALL DEVELOPED  
(SHEET 2 OF 2)

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FIGURE 3.8-31

DETAILS OF THE DRYWELL HEAD AND  
CONTAINMENT POOL COMPLEX

(SHEET 1 of 2)



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FIGURE 3.8-32

REACTOR PEDESTAL DEVELOPED

*Security - Related  
Information Withheld*

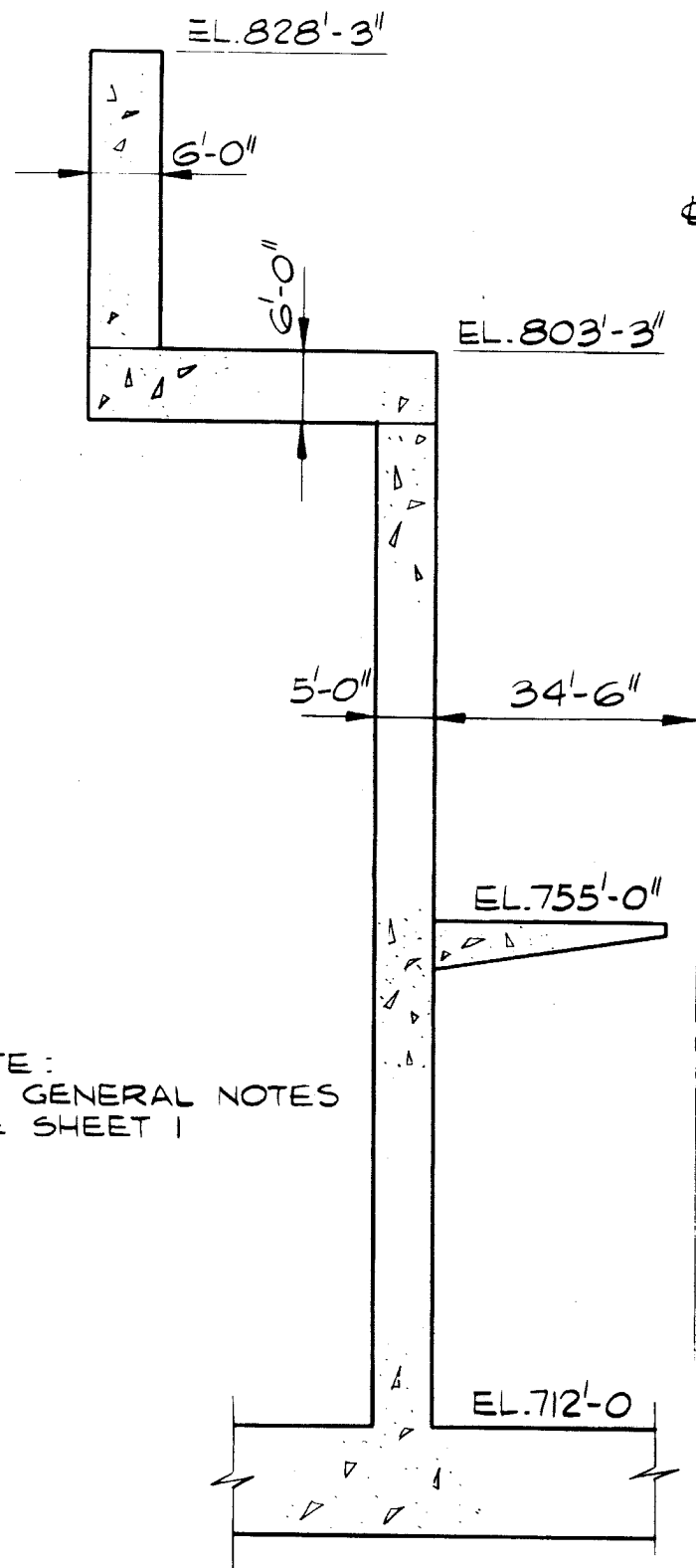
CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-33

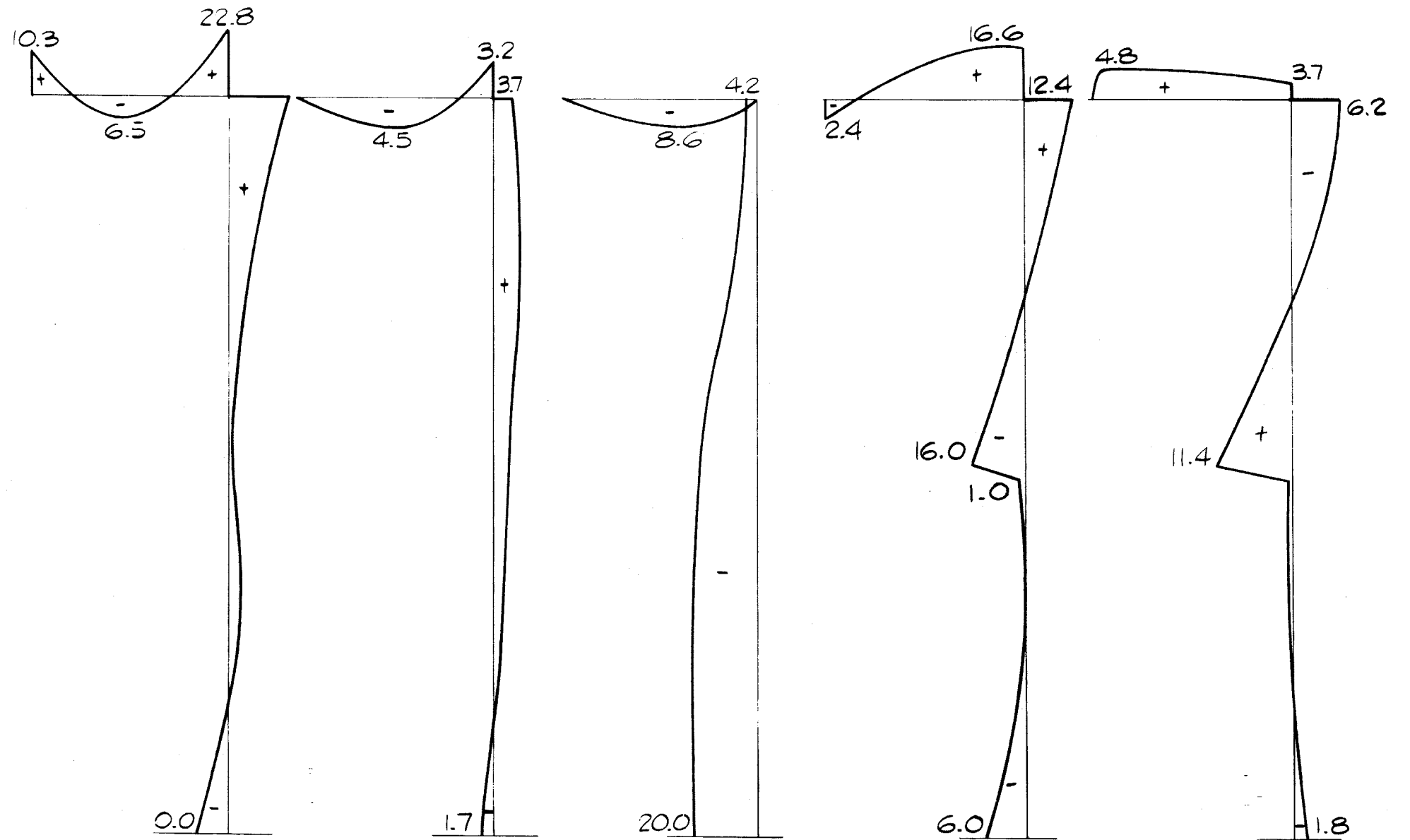
FORCE & MOMENT PLOTS - DRYWELL

(SHEET 1 of 4)





CONTAINMENT



VERIDIONAL  
MOMENT

HOOP  
MOMENT

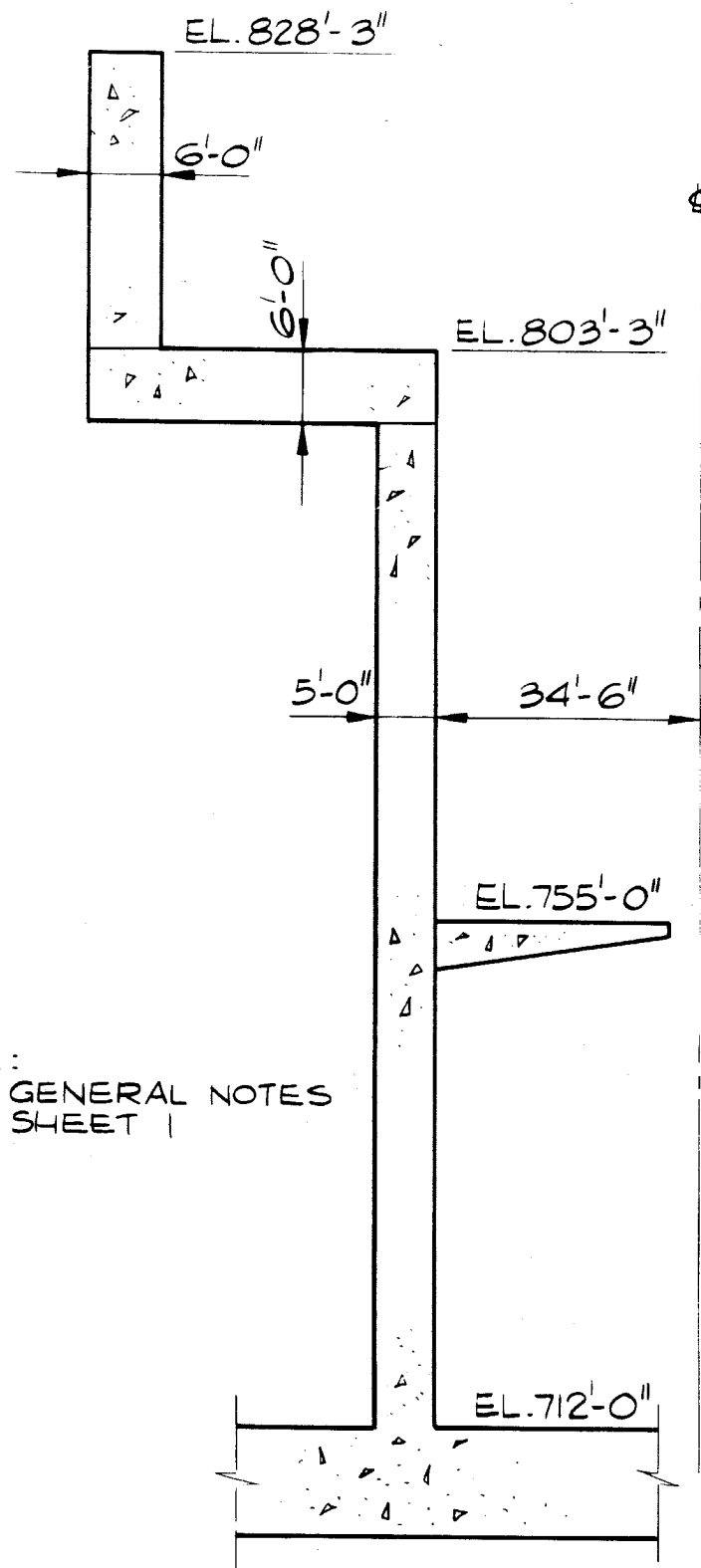
MERIDIONAL  
FORCE

HOOP  
FORCE

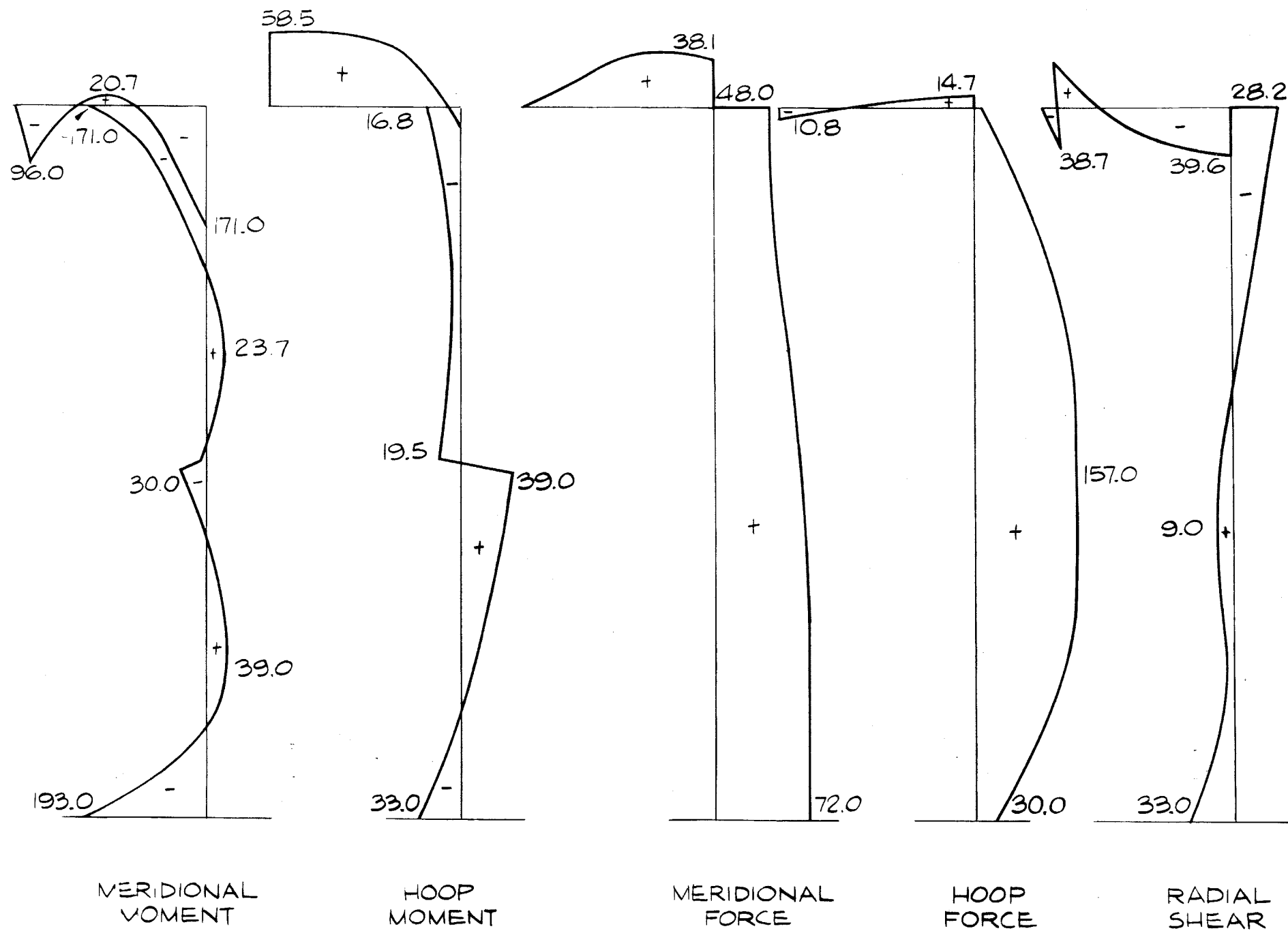
RADIAL  
SHEAR

POOL WATER LOADING (H)  
AZIMUTH 90°

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT  
FIGURE 3.8-33  
FORCE & MOMENT PLOTS - DRYWELL  
(SHEET 2 of 4)



CONTAINMENT



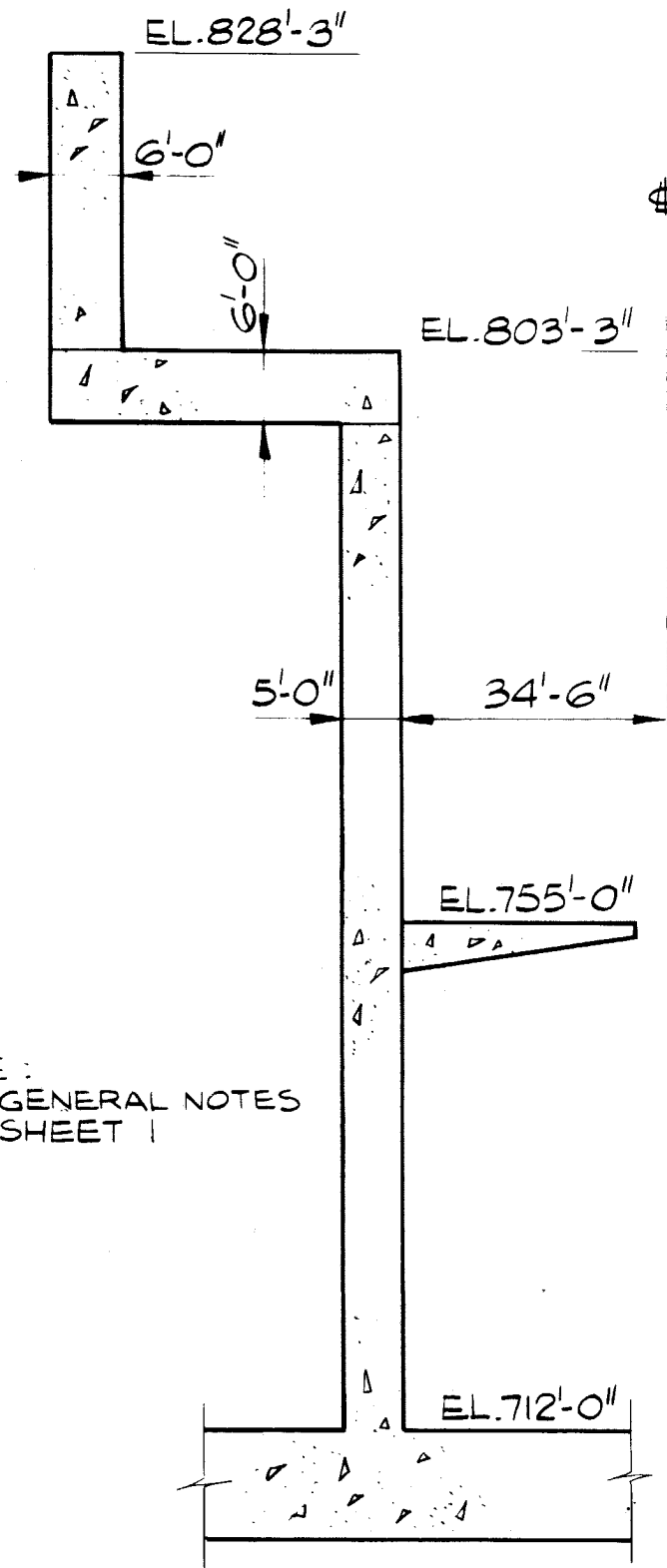
ACCIDENT PRESSURE (Pa) LOADING  
AZIMUTH 90°

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

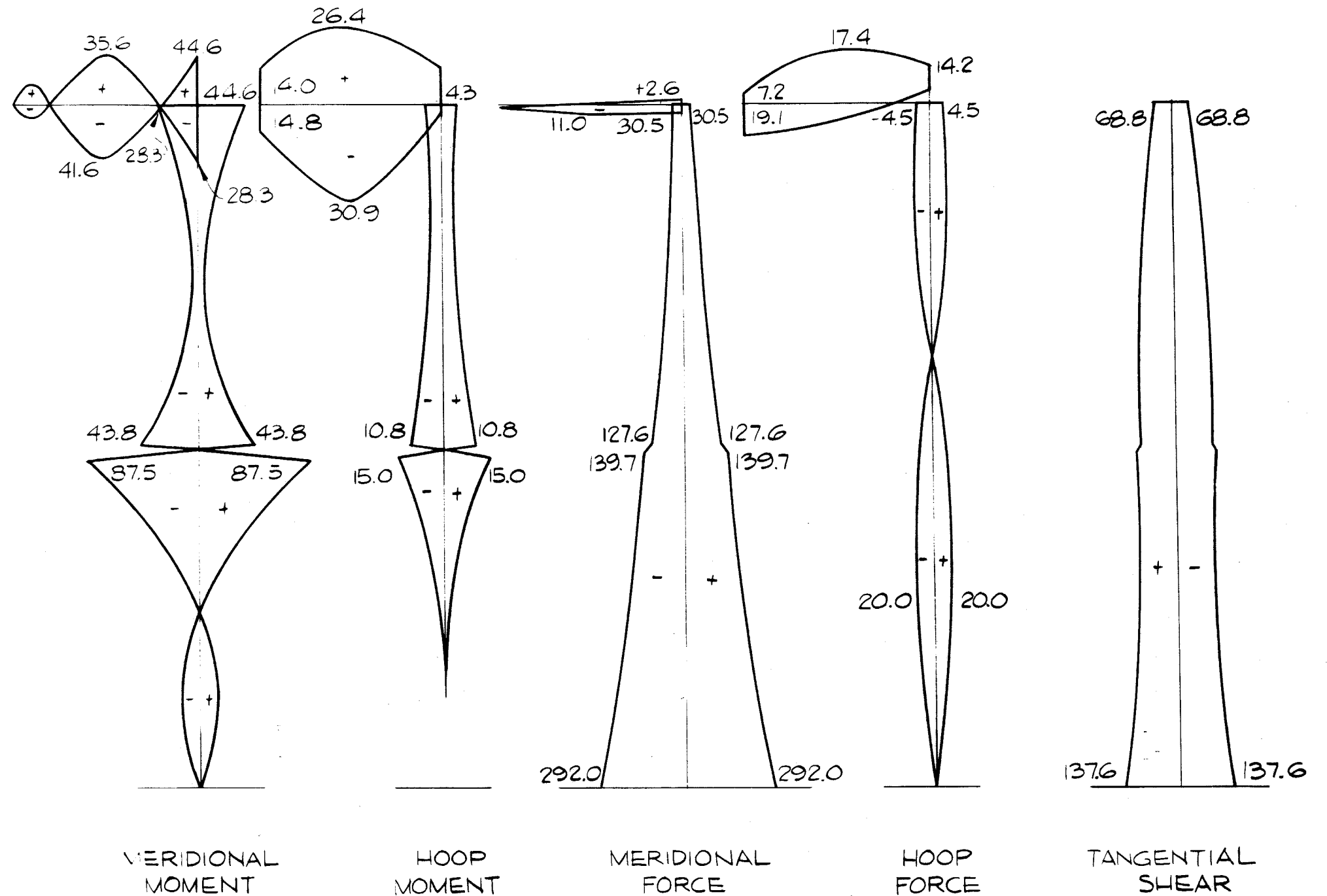
FIGURE 3.8-33

FORCE & MOMENT PLOTS - DRYWELL

(SHEET 3 of 4)



CONTAINMENT



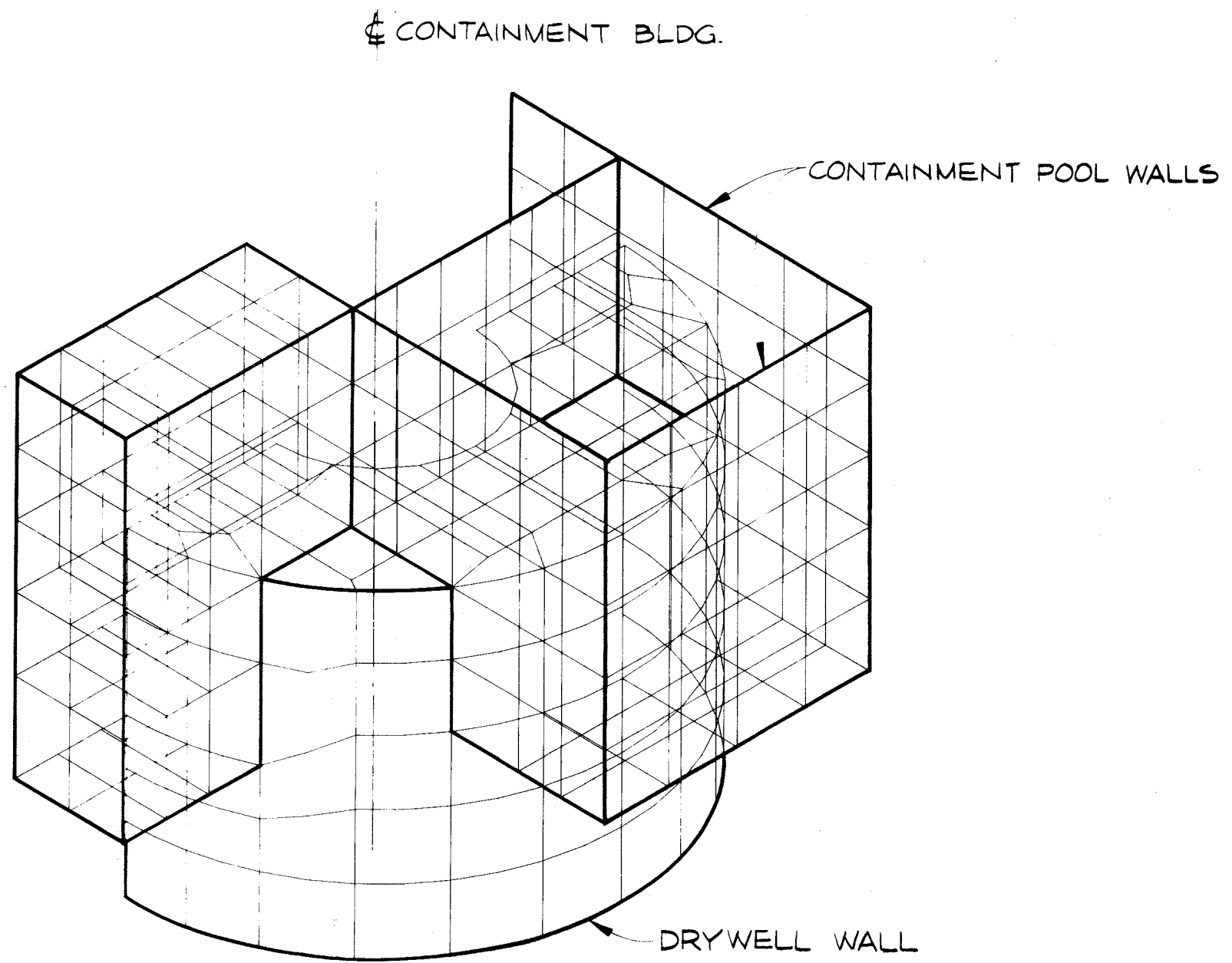
SAFE SHUTDOWN EARTHQUAKE LOADING (E')  
AZIMUTH 90°

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-33

FORCE & MOMENT PLOTS - DRYWELL

(SHEET 4 of 4)



CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE 3.8-34
ANALYTICAL MODEL OF UPPER PORTION OF DRYWELL STRUCTURE

***Security - Related Information Withheld Under 10 CFR 2.390***

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-35  
CRANE SEISMIC FEATURES

*Security - Related Information Withheld Under 10 CFR 2.390*

TYPE 2 STIRRUP

TYPE 3 STIRRUP

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FIGURE 3.8-36

TYPICAL BEAM REINFORCING DETAILS

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UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-37  
TYPICAL REINFORCING DETAILS  
(SHEET 1 of 4)

*Security - Related Information Withheld Under 10 CFR 2.390*

*Security - Related Information Withheld Under 10 CFR 2.390*

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE 3.8-37 TYPICAL REINFORCING DETAILS (SHEET 2 of 4)



*Security - Related Information Withheld Under 10 CFR 2.390*

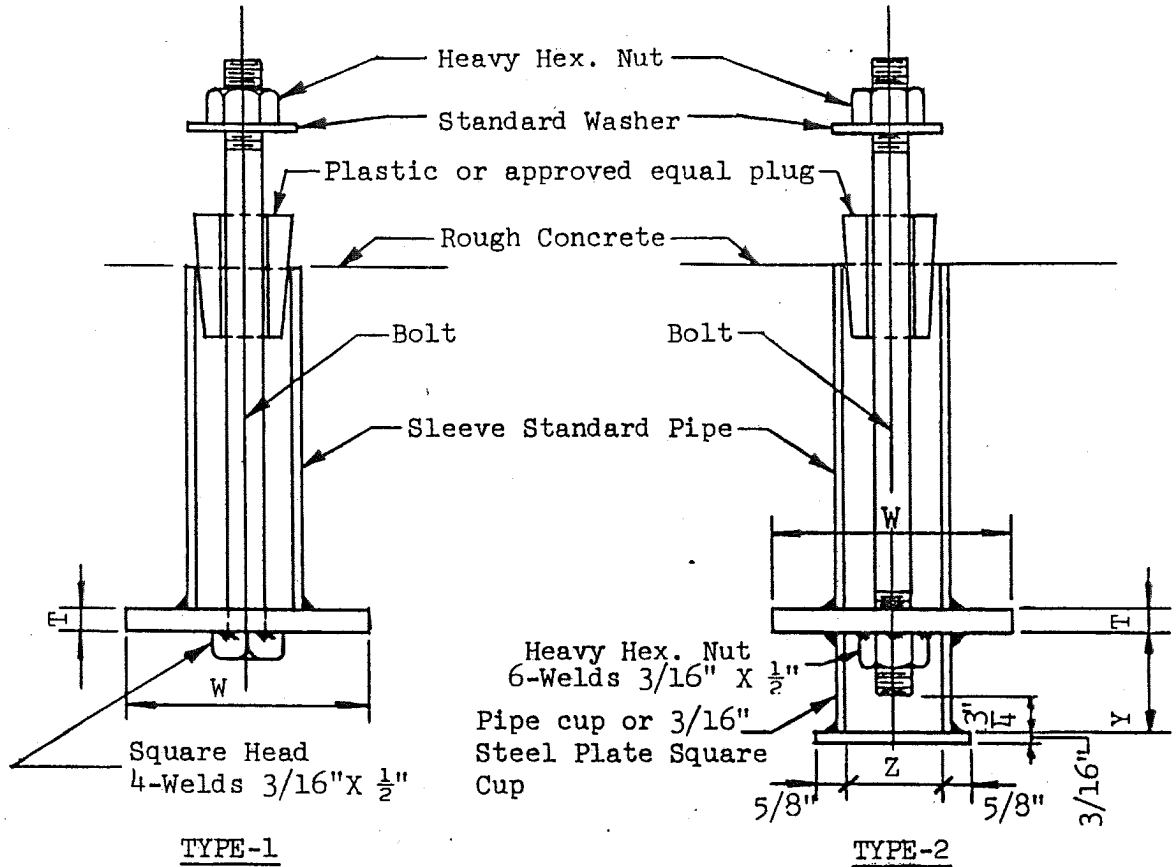
*Security - Related  
Information  
Withheld Under 10*

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FIGURE 3.8-37  
TYPICAL REINFORCING DETAILS  
(SHEET 3 of 4)

*Security - Related Information Withheld Under 10 CFR 2.390*

P 15 141 S G =	CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
	FIGURE 3.8-37 TYPICAL REINFORCING DETAILS (SHEET 4 of 4)



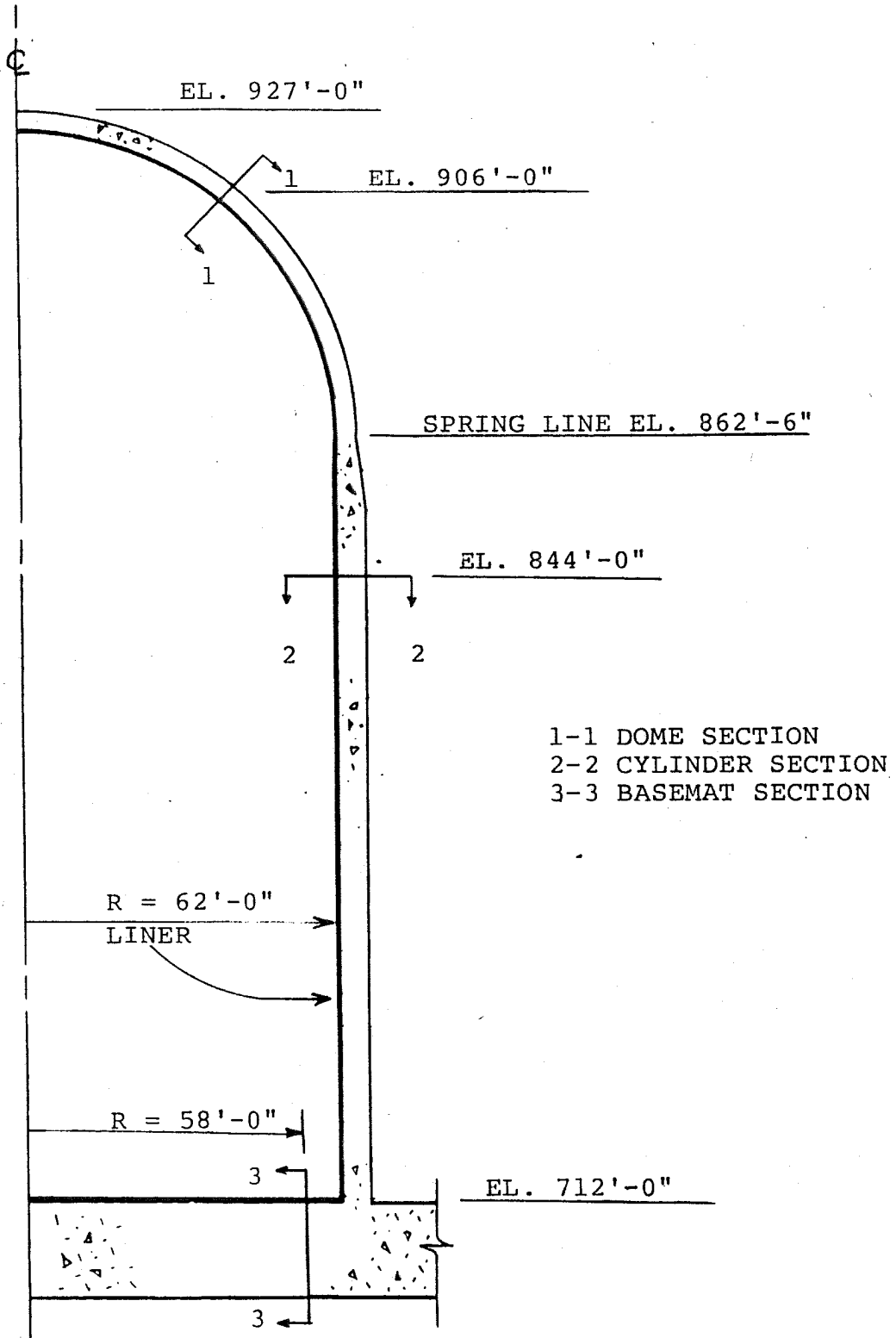
TYPE 1 AND 2 BOLTS													
BOLT DIAM.	5/8"	3/4"	7/8"	1"	1 1/4"	1 1/2"	1 3/4"	2"	2 1/4"	2 1/2"	2 3/4"	3"	
SLEEVE	1 1/2"	2"	2"	2 1/2"	3"	3"	3 1/2"	3 1/2"	4"	5"	5"	5"	
SQUARE PLATE WASHER	T	3/8"	3/8"	1/2"	1/2"	5/8"	3/4"	3/4"	3/4"	7/8"	7/8"	1"	1 1/4"
	W	3 1/2"	4"	5"	5"	6"	6"	8"	8"	9"	10"	11"	12"
CUP	Z	1 1/2"	2"	2"	2 1/2"	3"	3"	3 1/2"	4"	5"	5"	5"	6"
	Y	2"	2 1/2"	2 1/2"	2 1/2"	3"	3"	3 1/2"	3 1/2"	4"	4"	4 1/2"	4 1/2"

Note: The plastic plug will be removed and the pipe sleeve filled with grout after the equipment has been set in place.

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FIGURE 3.8-38

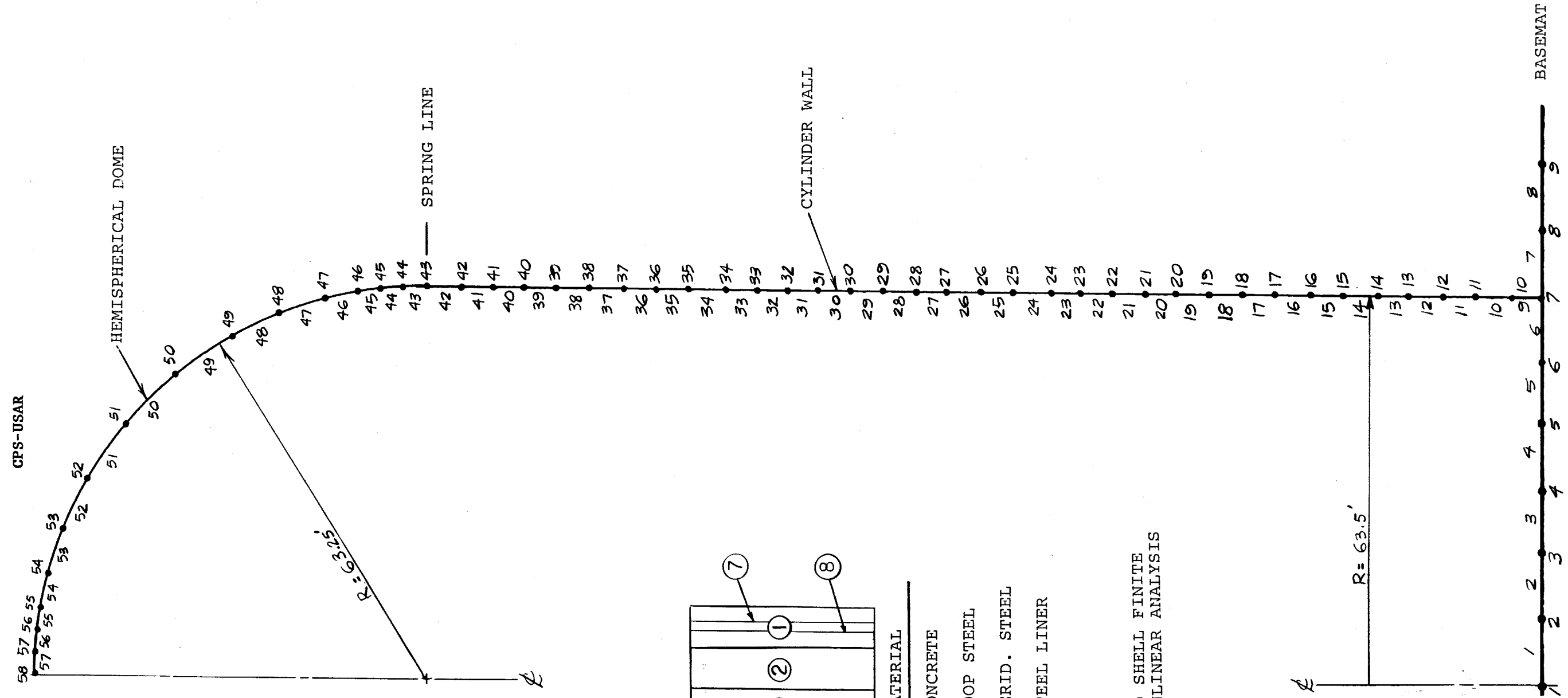
TYPICAL ANCHOR BOLT DETAILS FOR  
SEISMIC CATEGORY I EQUIPMENT



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UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-39

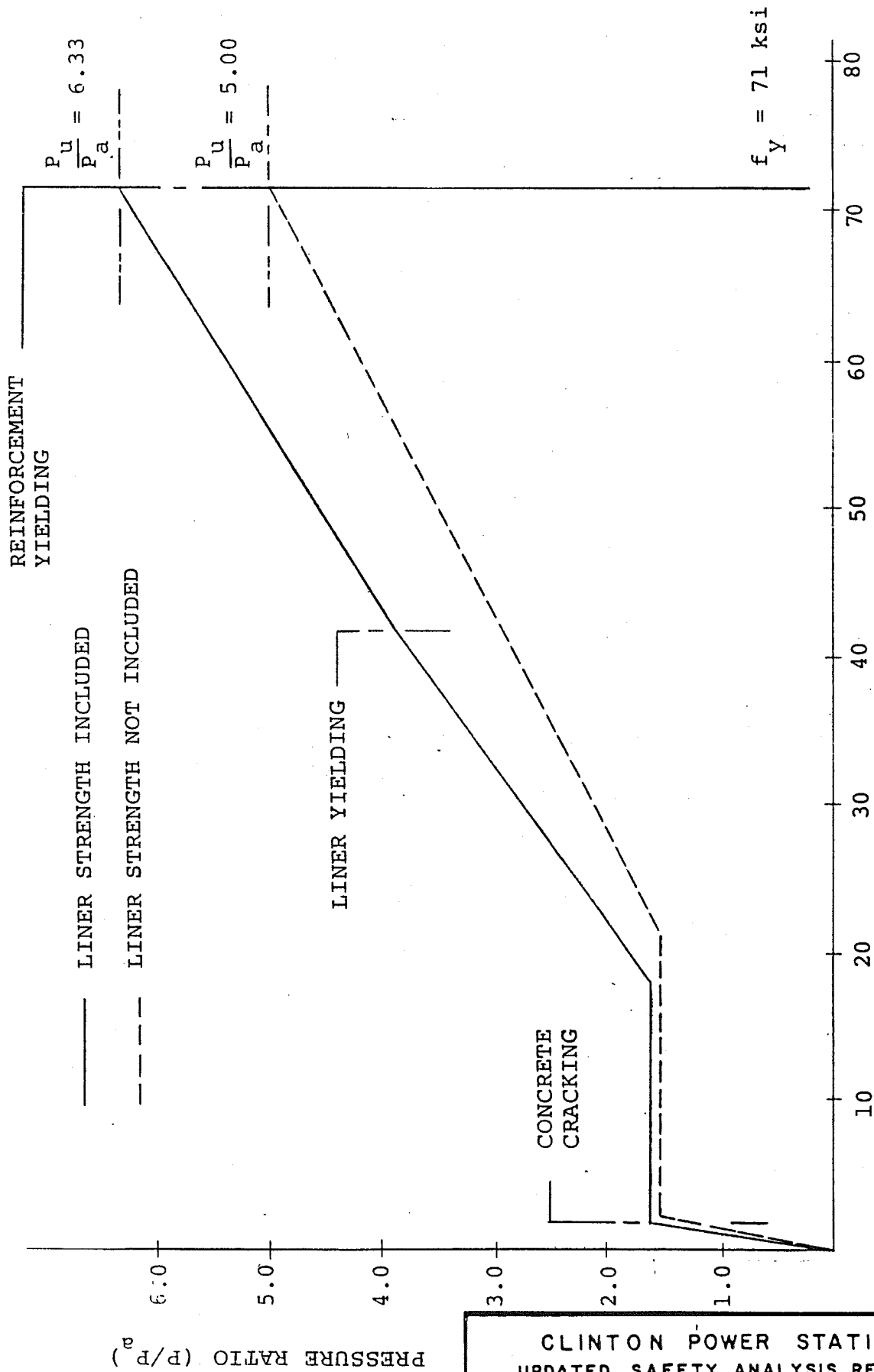
CRITICAL SECTIONS  
IN CONTAINMENT STRUCTURE



TYPICAL LAYERED SHELL FINITE ELEMENT FOR NONLINEAR ANALYSIS

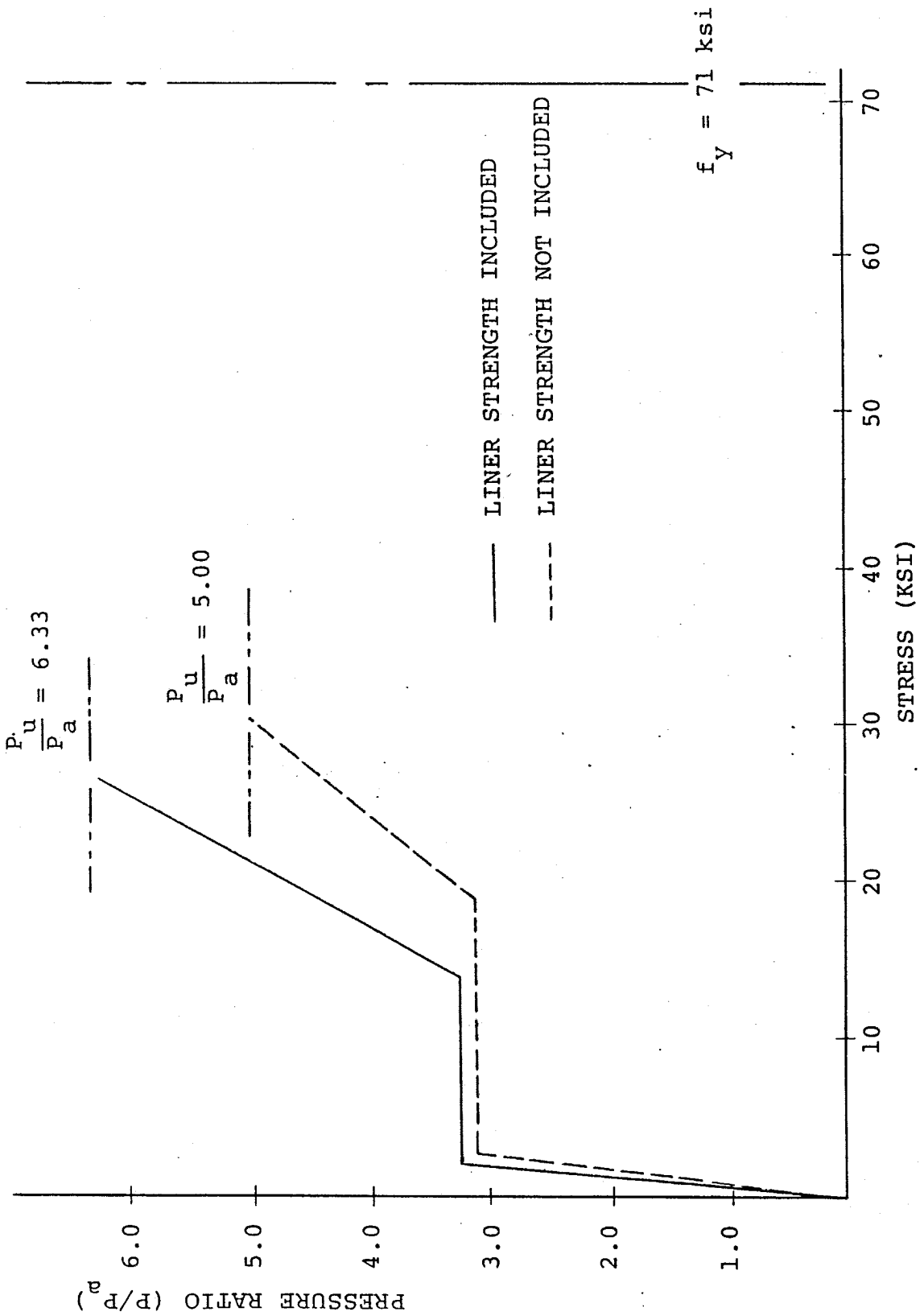
CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-40  
 AXISYMMETRIC MODEL  
 OF CONTAINMENT



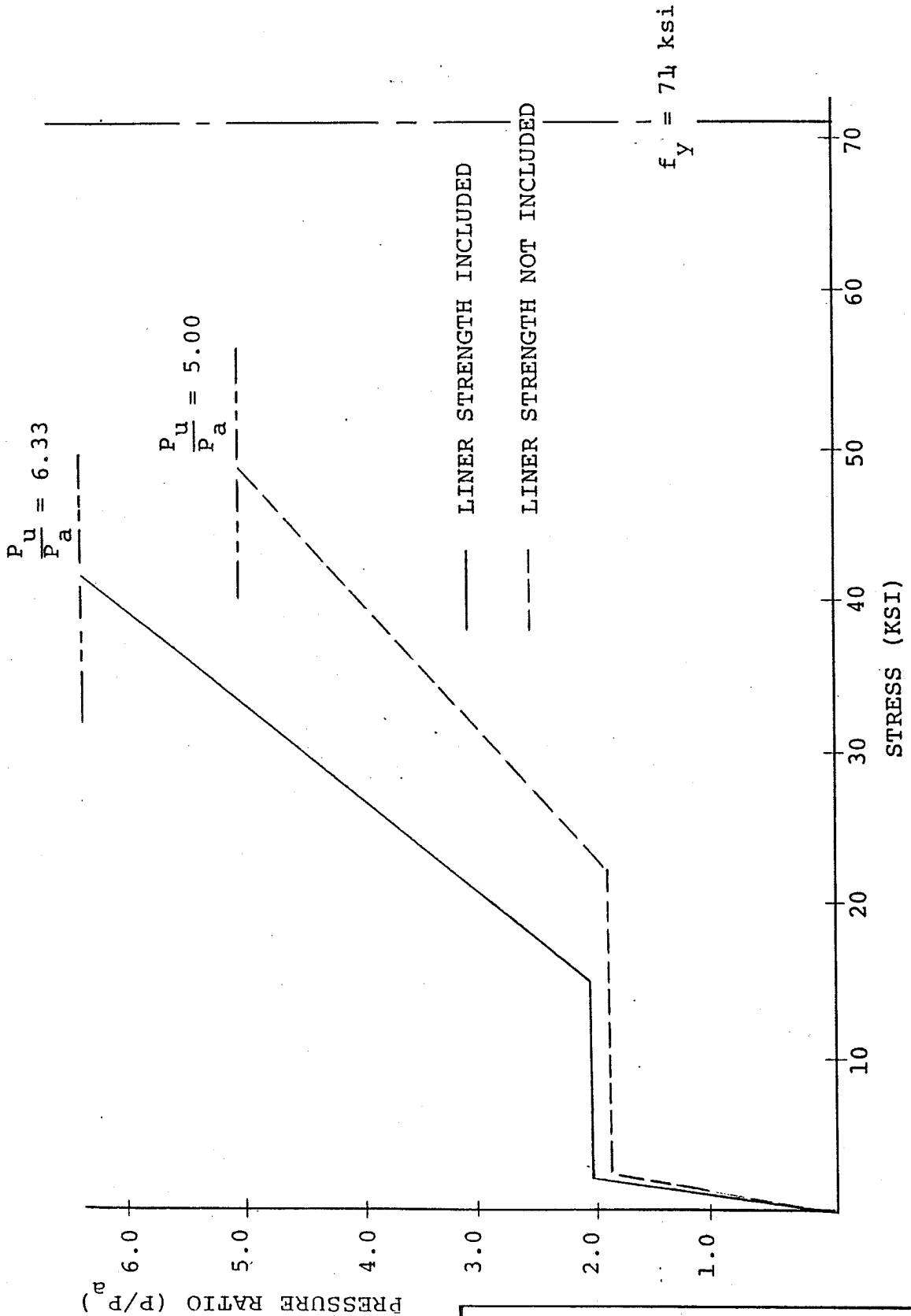
**CLINTON POWER STATION**  
**UPDATED SAFETY ANALYSIS REPORT**

**FIGURE 3.8-41**  
**PRESSURE RATIO VS.**  
**HOOP STEEL STRESS**  
**IN CONTAINMENT CYLINDER**  
**(EL. 844 FT.)**



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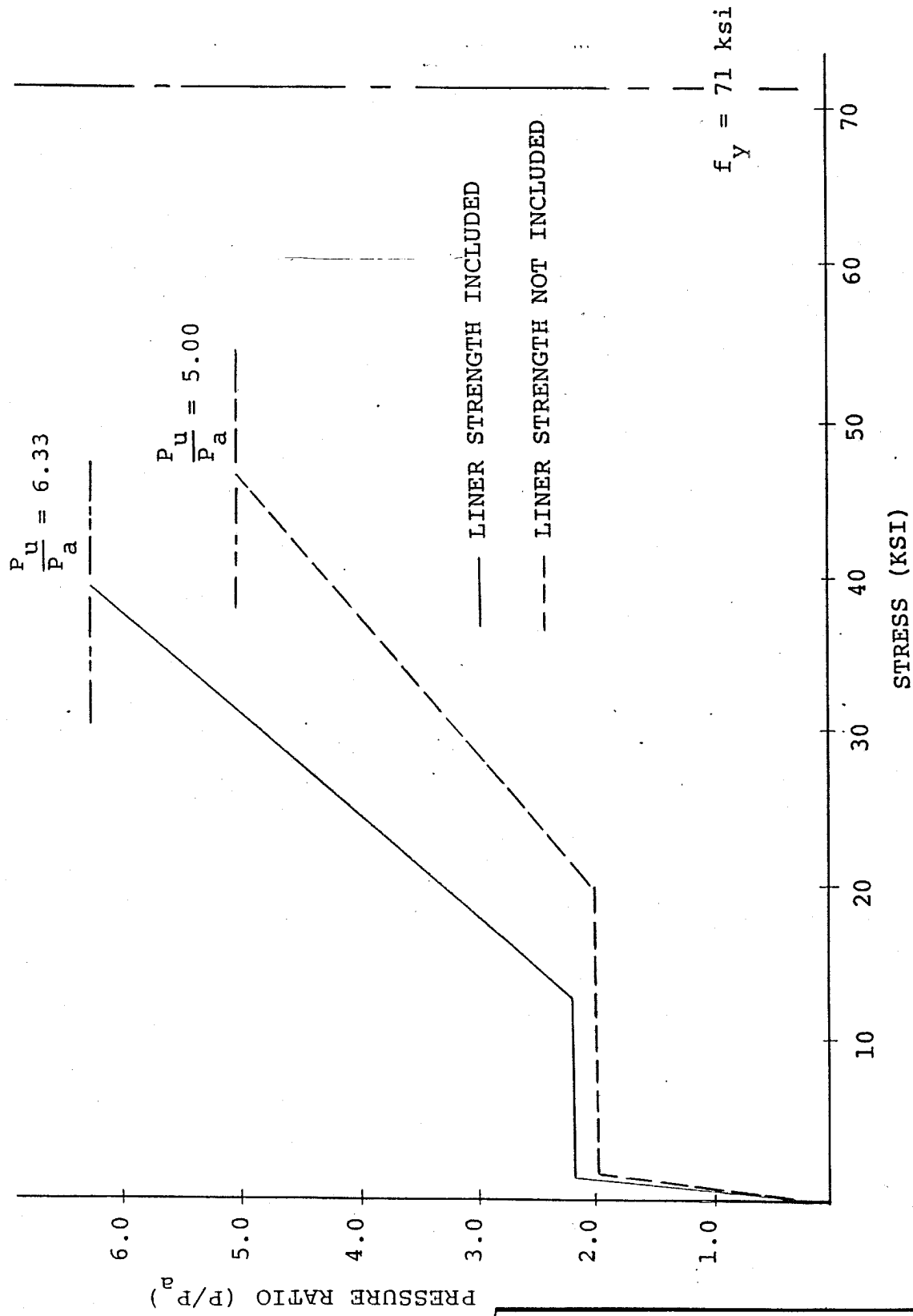
FIGURE 3.8-42  
 PRESSURE RATIO VS.  
 MERIDIONAL STEEL STRESS  
 IN CONTAINMENT CYLINDER  
 (EL. 844 FT.)



CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

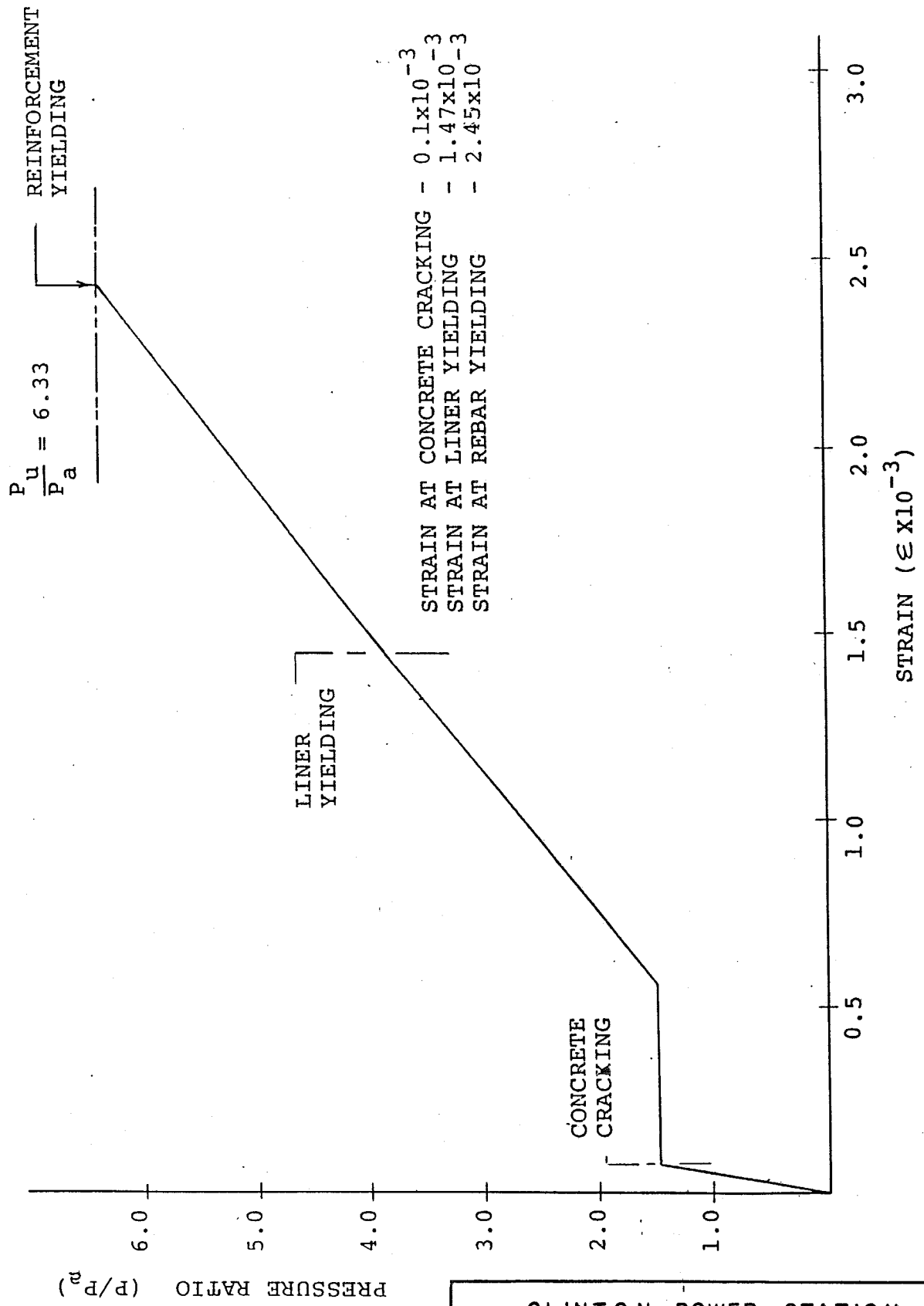
FIGURE 3.8-43  
 PRESSURE RATIO VS.  
 HOOP STEEL STRESS  
 IN CONTAINMENT DOME  
 (EL. 906 FT.)





CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

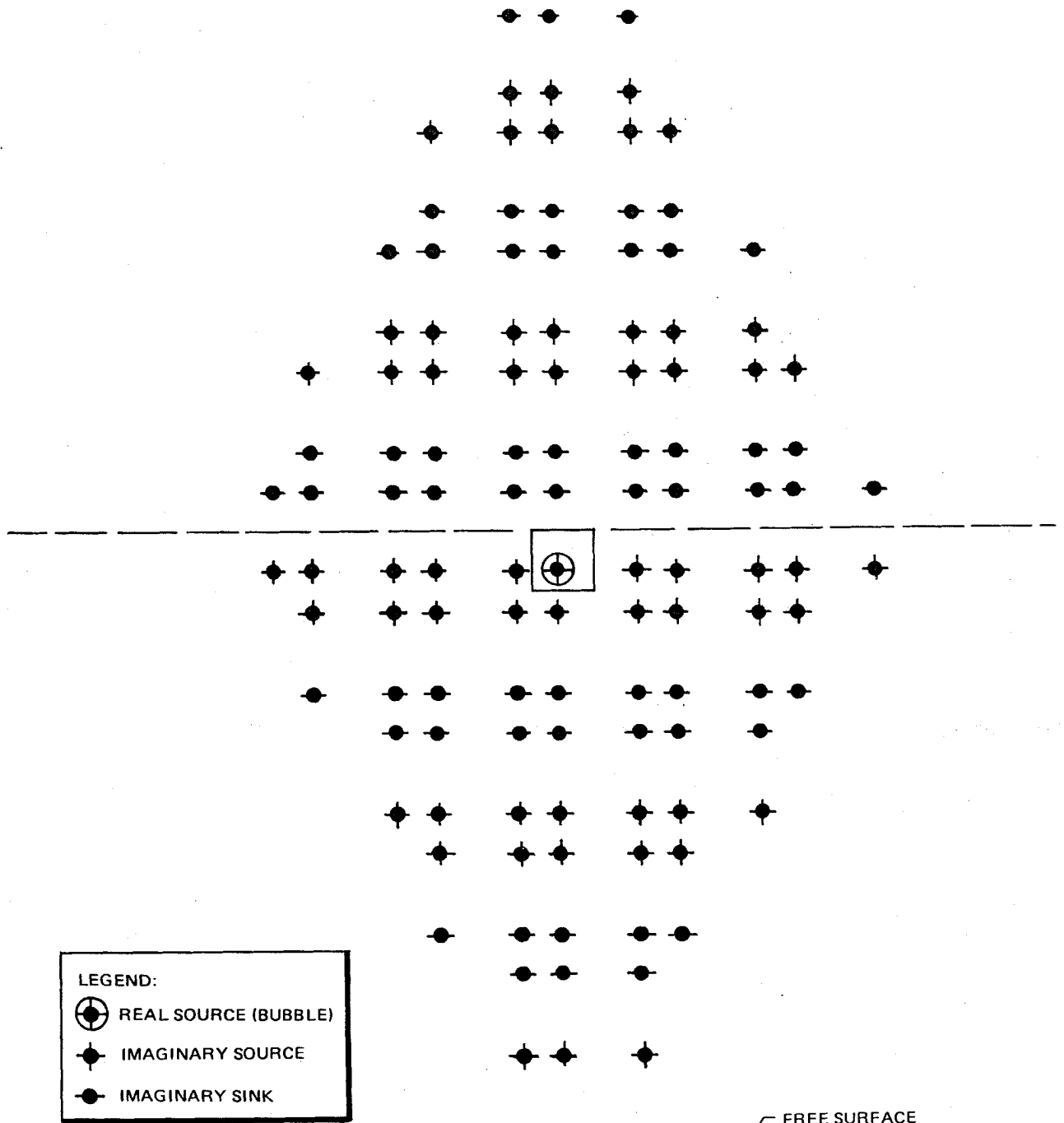
FIGURE 3.8-44  
 PRESSURE RATIO VS.  
 MERIDIONAL STEEL STRESS  
 IN CONTAINMENT DOME  
 (EL. 906 FT.)



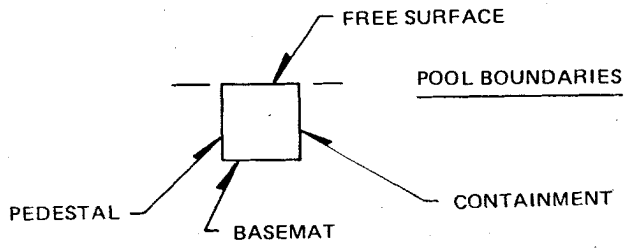
**CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT**

**FIGURE 3.8-45**

**PRESSURE RATIO VS.  
 MAXIMUM MEMBRANE HOOP  
 SECTION STRAIN IN LINER**



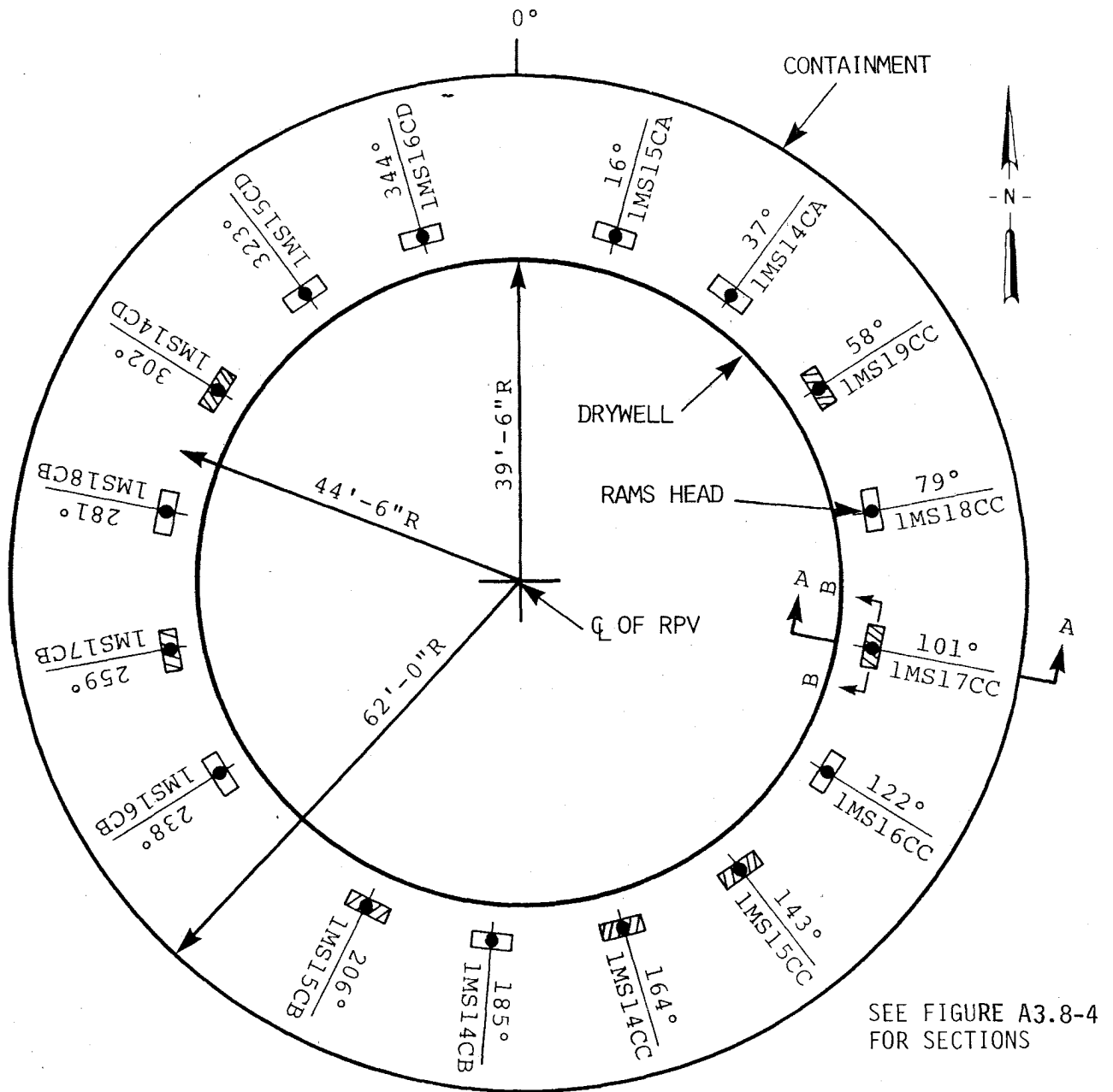
LEGEND:  
 ○ REAL SOURCE (BUBBLE)  
 ● IMAGINARY SOURCE  
 ● IMAGINARY SINK



CLINTON POWER STATION  
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FIGURE A3.8-1

ARRAY OF IMAGINARY SOURCES AND SINKS  
 FOR METHOD OF IMAGES MODEL OF  
 SUPPRESSION POOL



SEE FIGURE A3.8-4 FOR SECTIONS

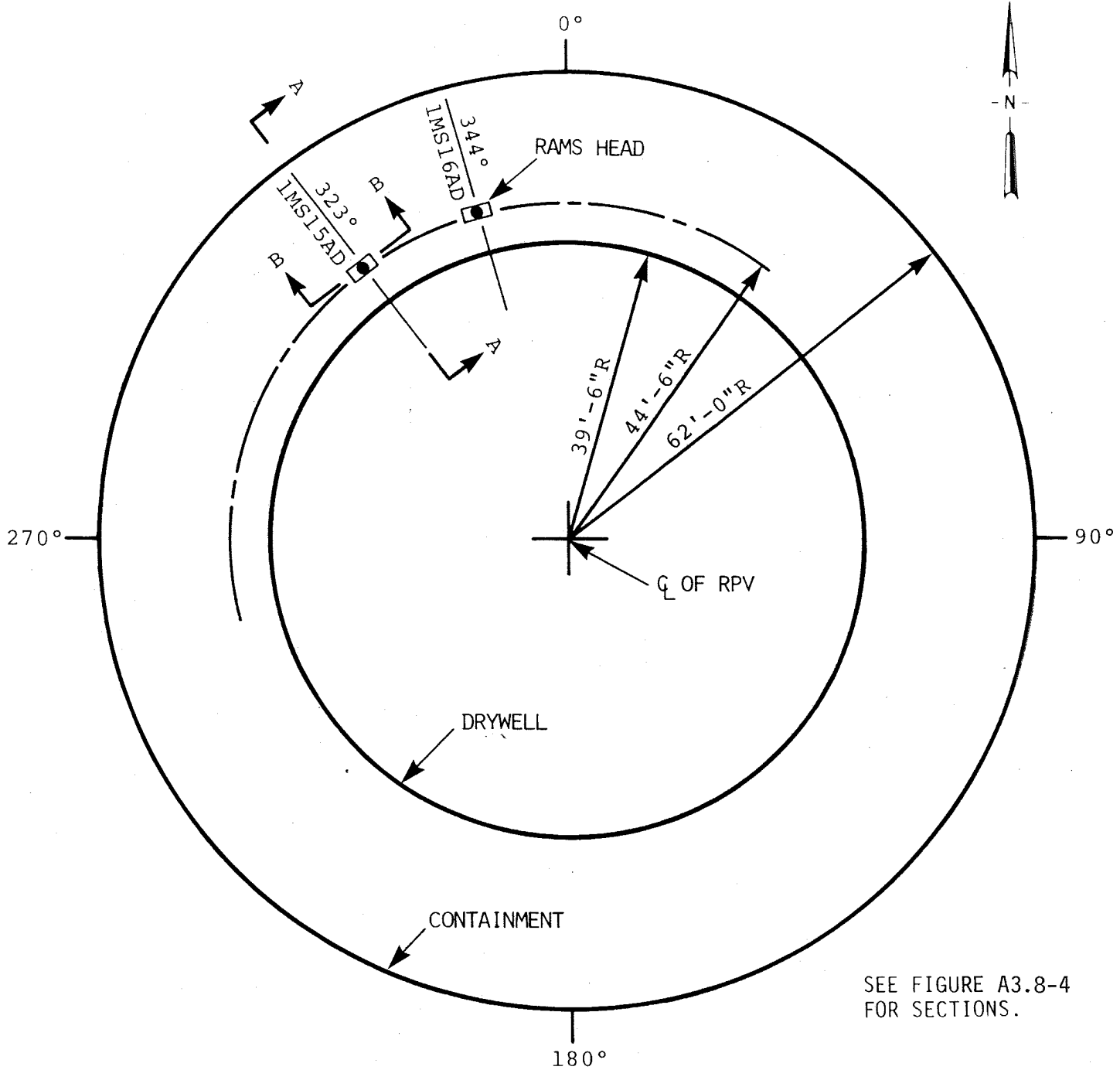
NOTES:

1. NOT TO SCALE.
2. CROSS HATCHED VENTS ARE ATTACHED TO ADS VALVES.
3. RAMS HEADS ARE ORIENTED CIRCUMFERENTIALLY.

CLINTON POWER STATION  
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FIGURE A3.8-2

PLAN OF CLINTON SUPPRESSION POOL  
SHOWING THE VENTS ACTIVE IN THE  
SYMMETRIC LOADING CASE

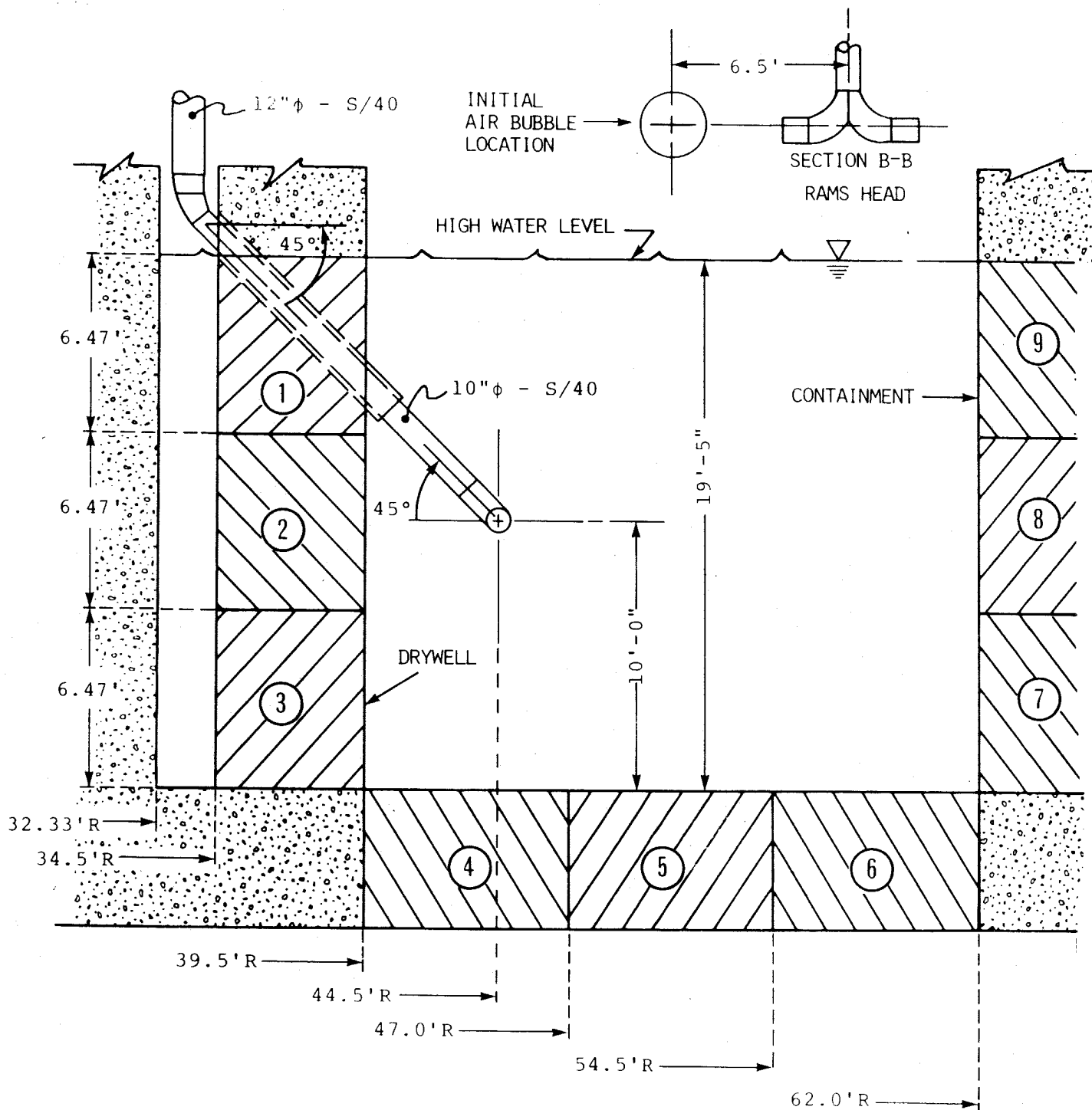


SEE FIGURE A3.8-4 FOR SECTIONS.

NOTES:

1. NOT TO SCALE.
2. RAMS HEADS ARE ORIENTED CIRCUMFERENTIALLY.

<b>CLINTON POWER STATION          UPDATED SAFETY ANALYSIS REPORT</b>
<b>FIGURE A3.8-3</b>  PLAN OF CLINTON SUPPRESSION POOL SHOWING THE VENTS ACTIVE IN THE ASYMMETRIC LOADING CASE



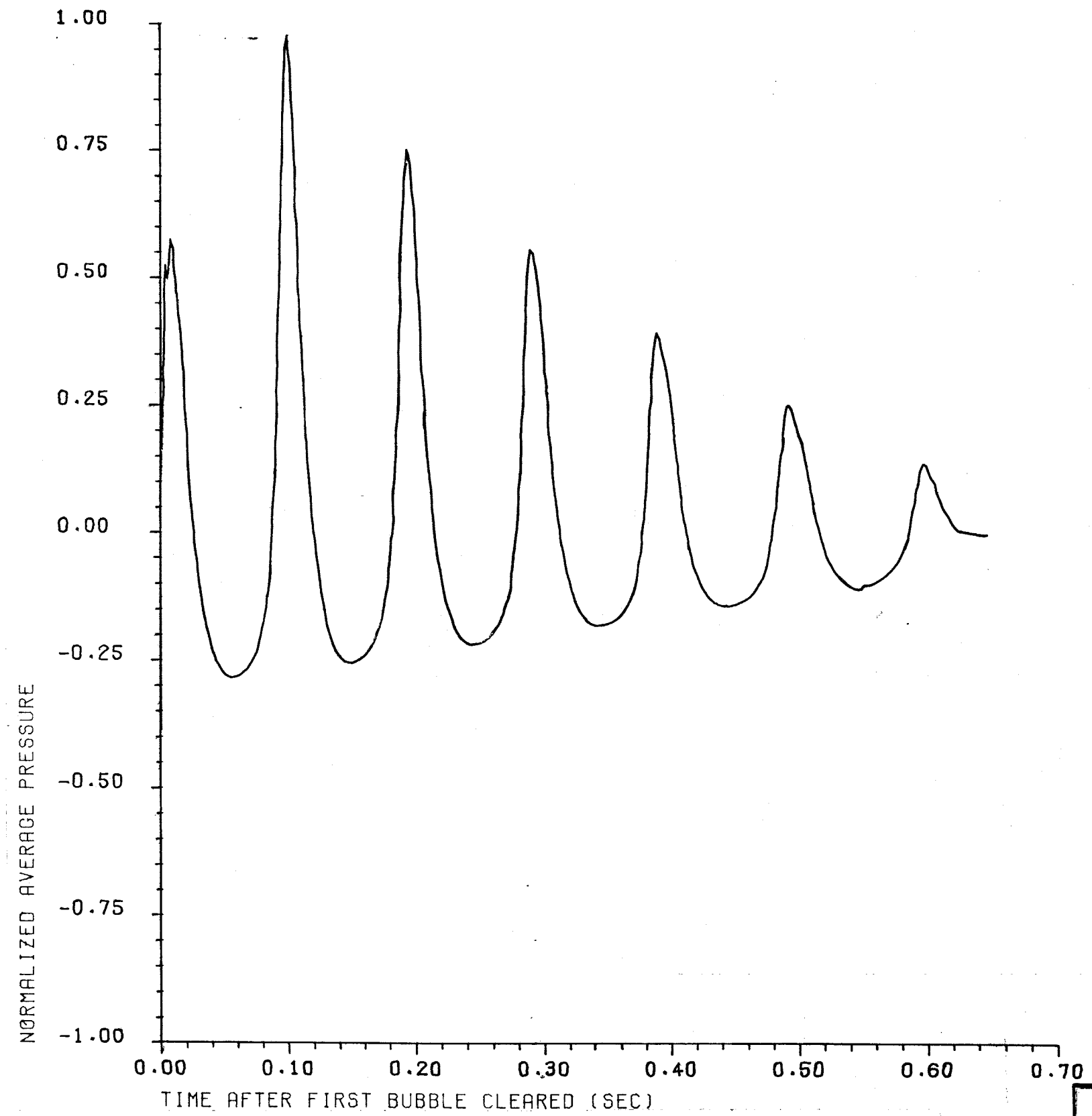
○ - ZONES FOR PRESSURE LOADING ON POOL BOUNDARY.

SECTION A-A

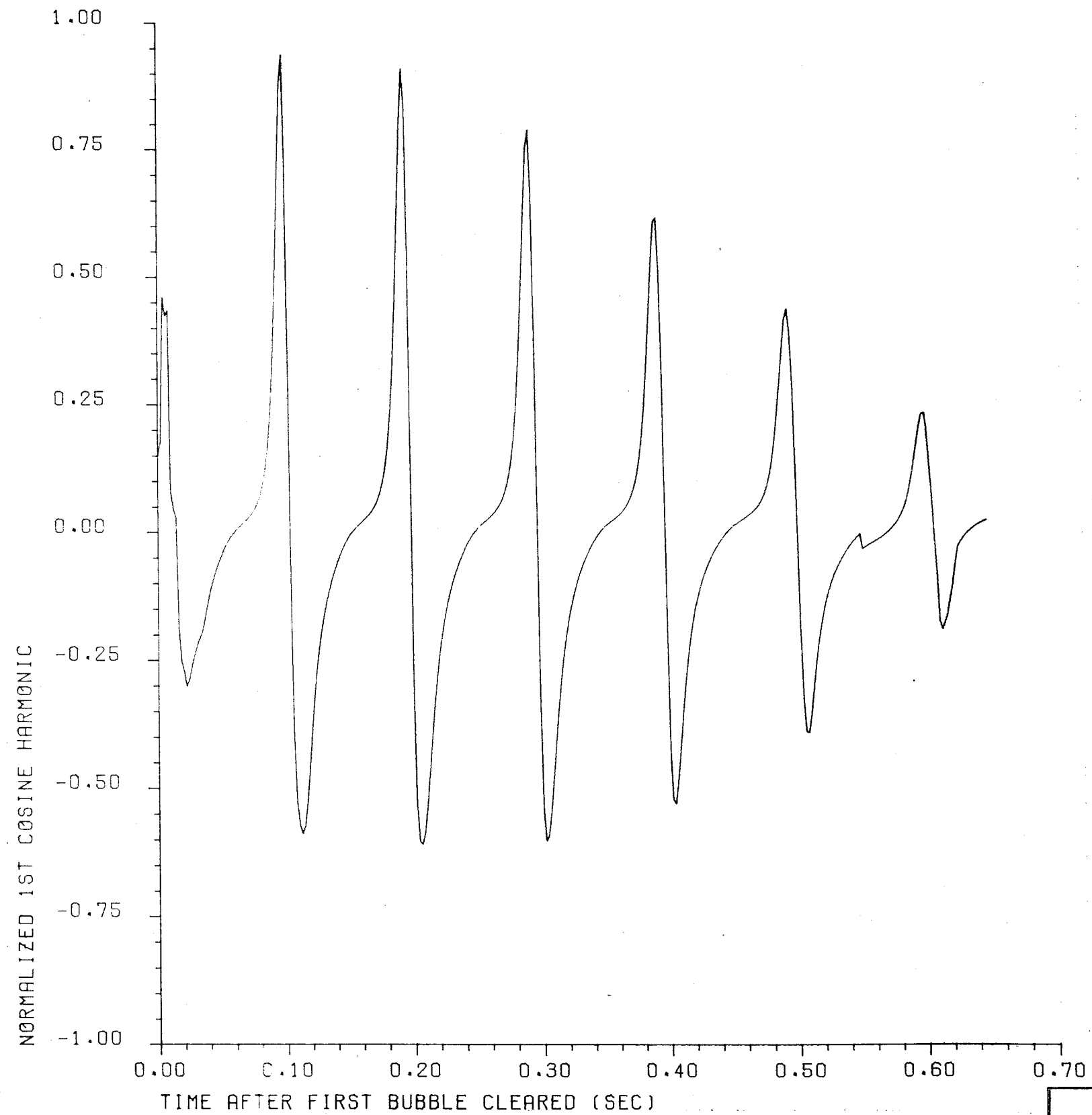
**CLINTON POWER STATION  
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**FIGURE A3.8-4**

**CROSS SECTION OF SUPPRESSION POOL**



CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT  
FIGURE A3.8-5  
SYMMETRIC WALL LOADING  
ZONE 4  
NORMALIZED AVERAGE PRESSURE

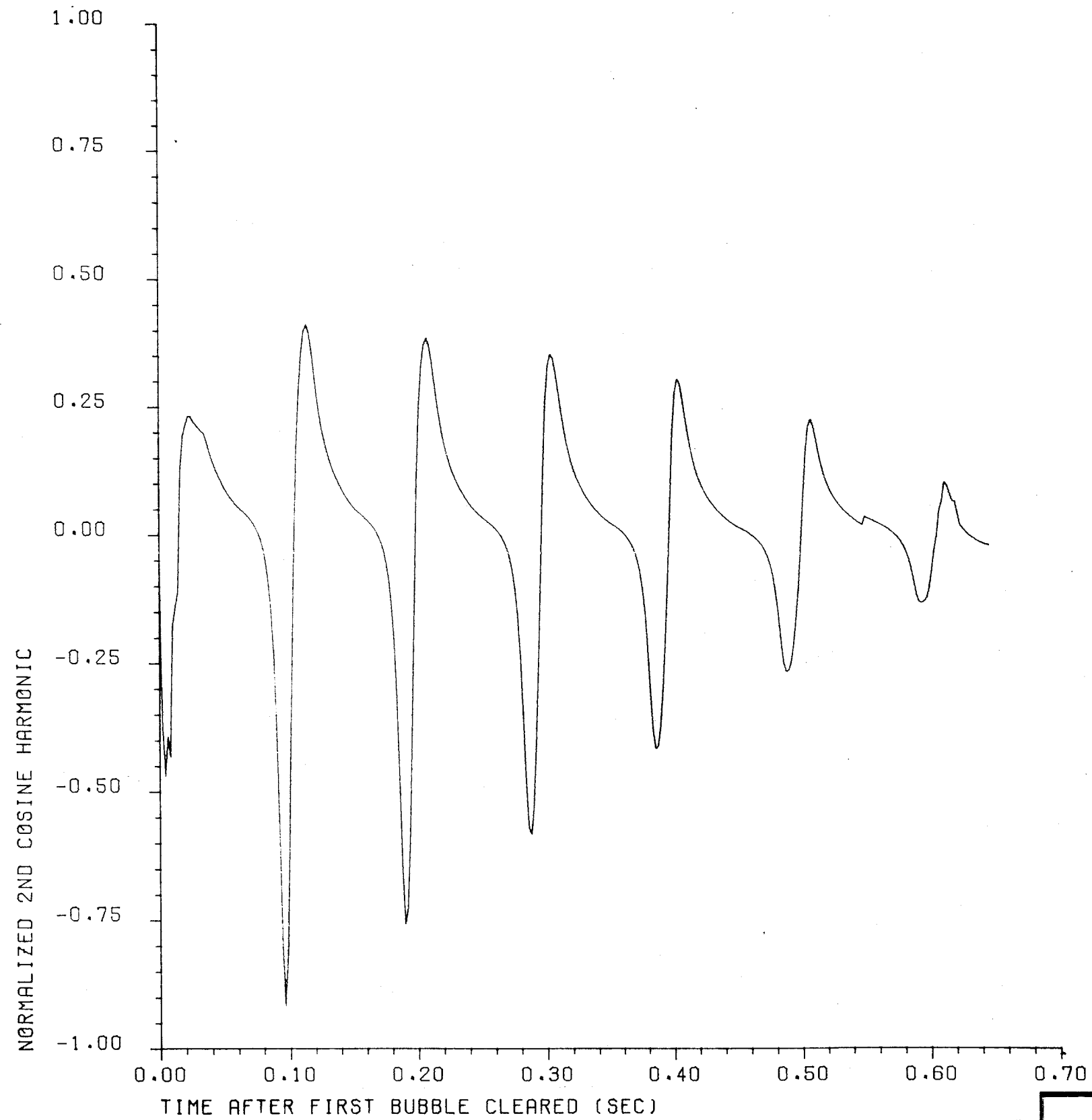


CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-6

SYMMETRIC WALL LOADING  
ZONE 4  
NORMALIZED 1<sup>st</sup> COSINE HARMONIC

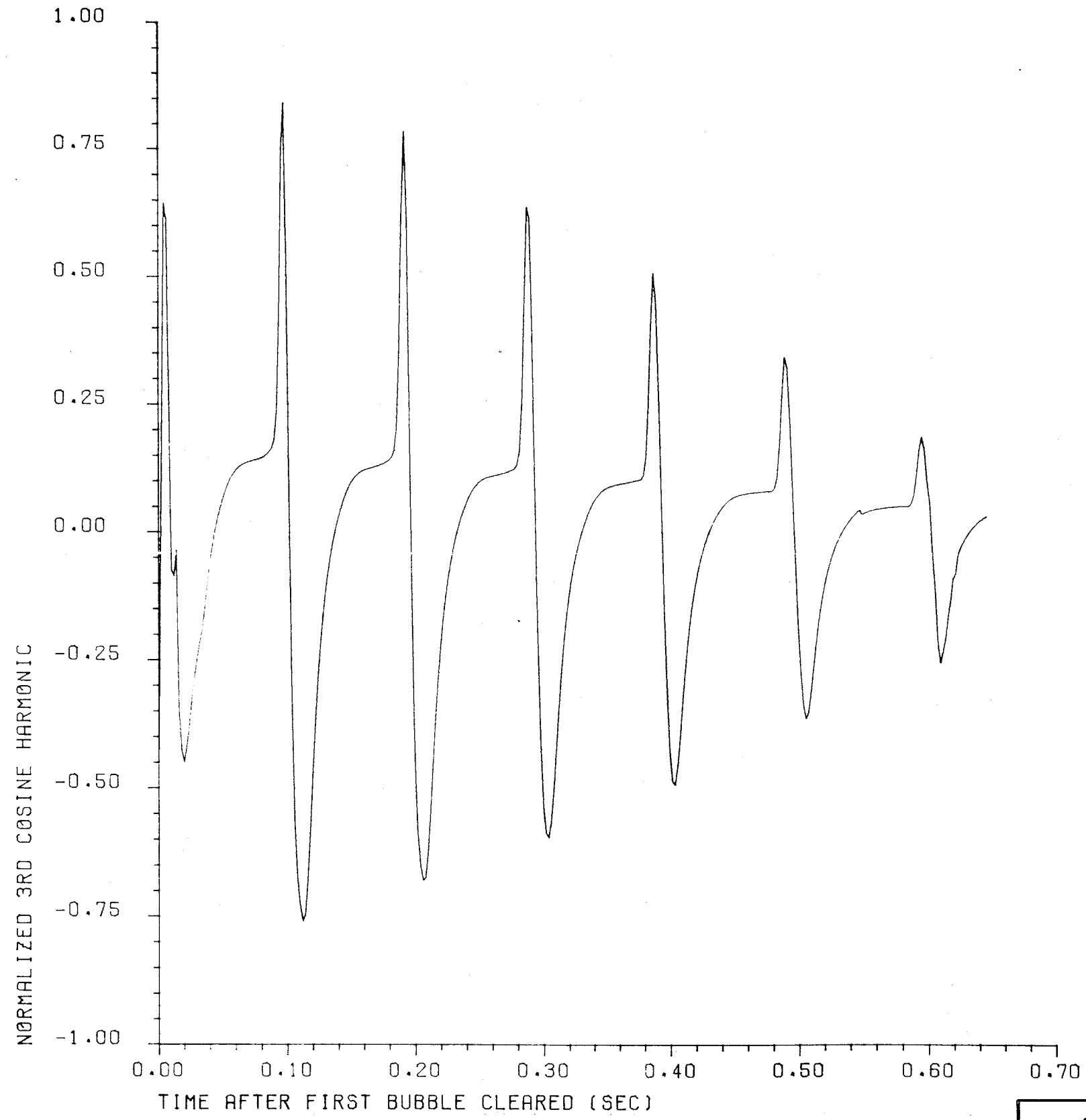




CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-7

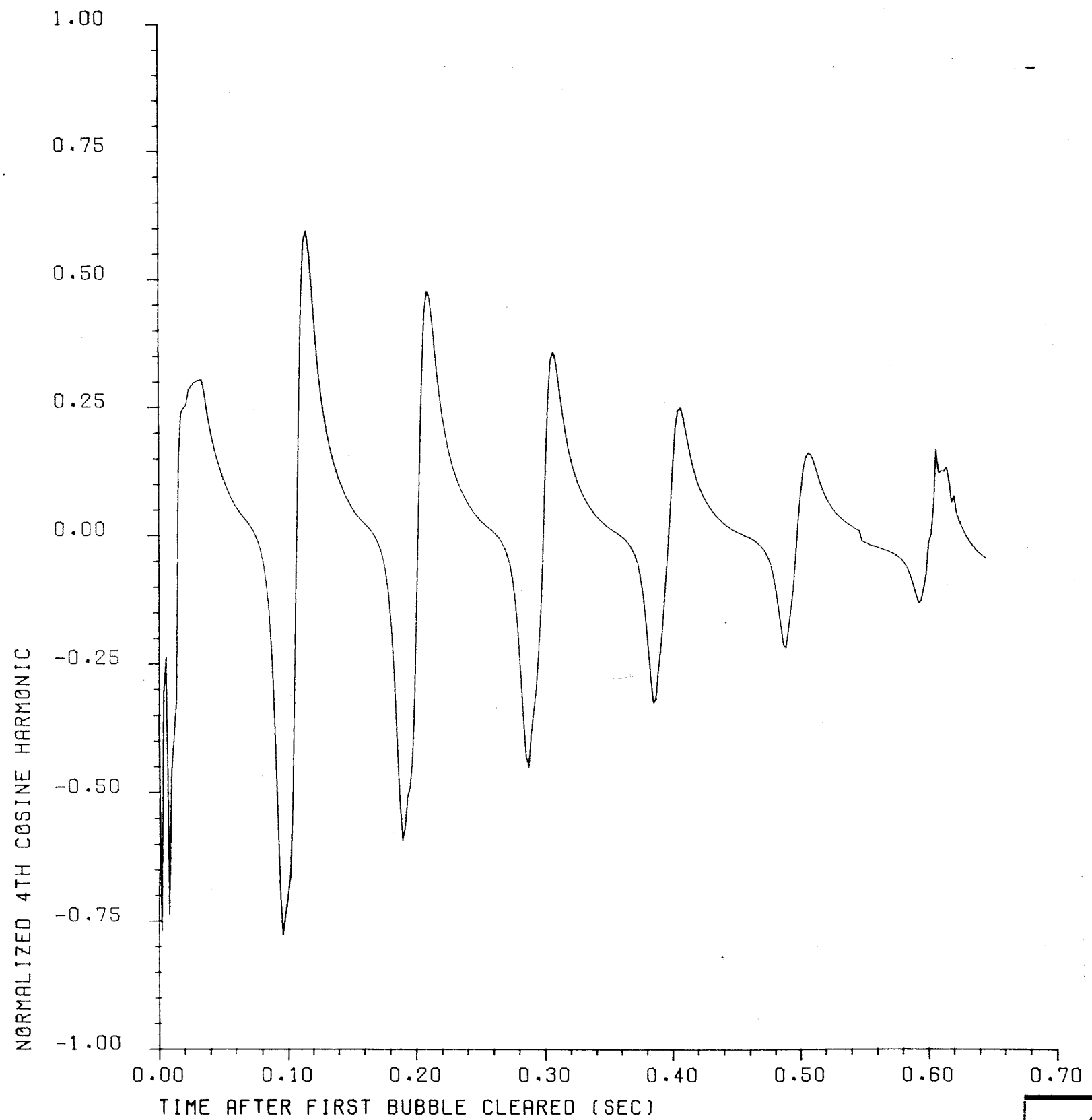
SYMMETRIC WALL LOADING  
ZONE 4  
NORMALIZED 2<sup>nd</sup> COSINE HARMONIC



**CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT**

FIGURE A3.8-8

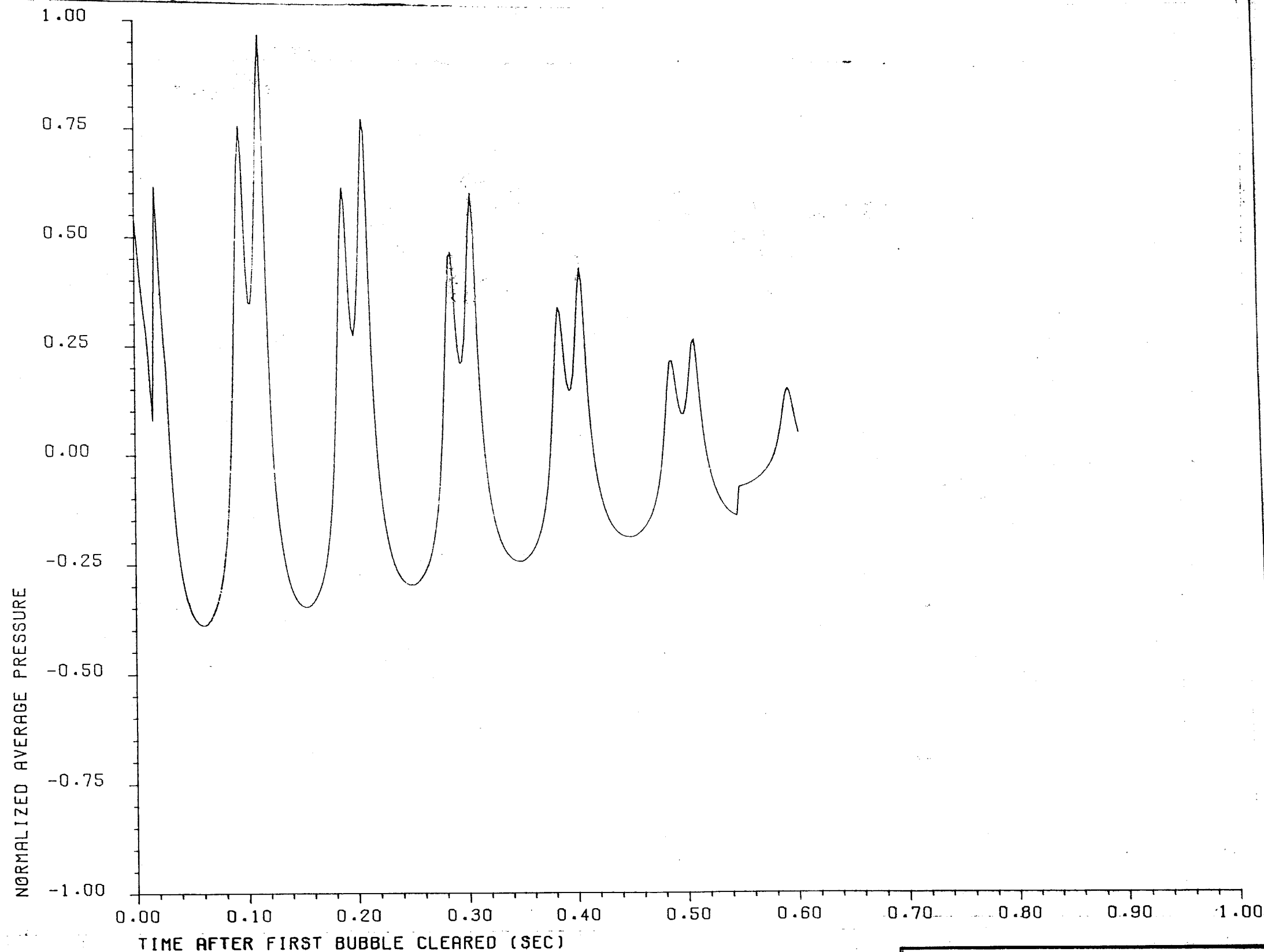
SYMMETRIC WALL LOADING  
ZONE 4  
NORMALIZED 3rd COSINE HARMONIC



CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-9

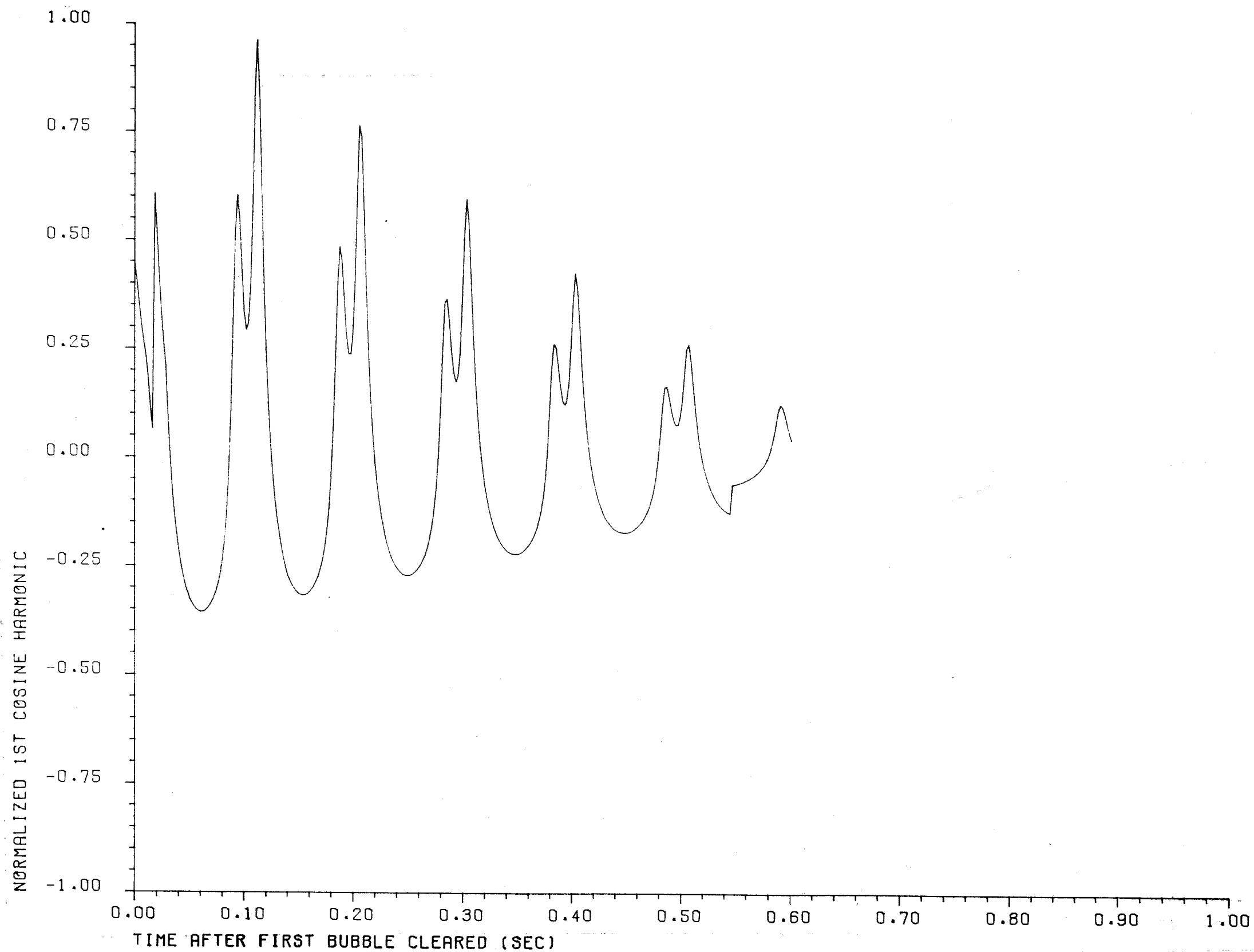
SYMMETRIC WALL LOADING  
ZONE 4  
NORMALIZED 4<sup>th</sup> COSINE HARMONIC



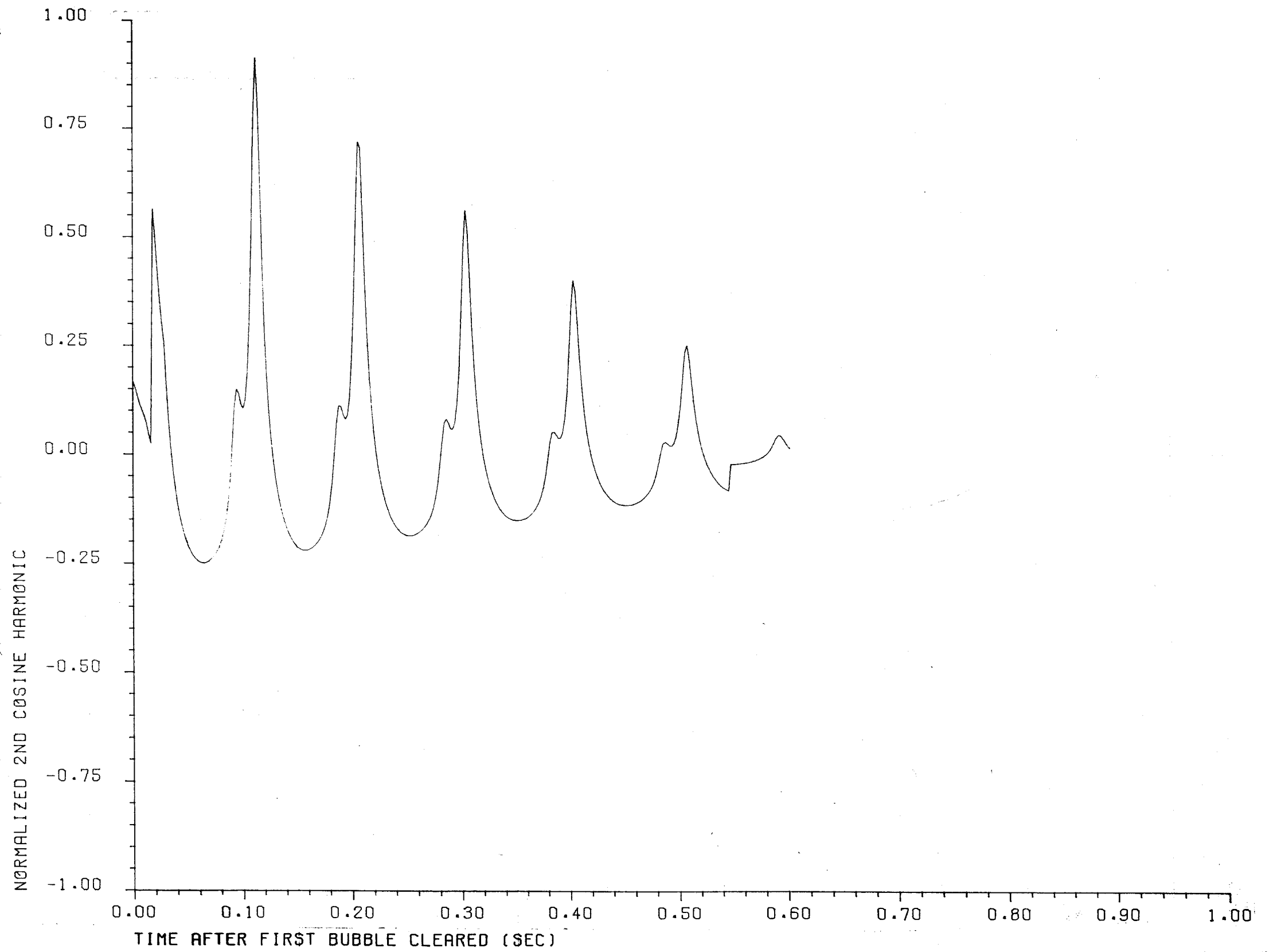
**CLINTON POWER STATION  
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FIGURE A3.8-10

ASYMMETRIC DISCHARGE WALL LOADING  
ZONE 4  
NORMALIZED AVERAGE PRESSURE



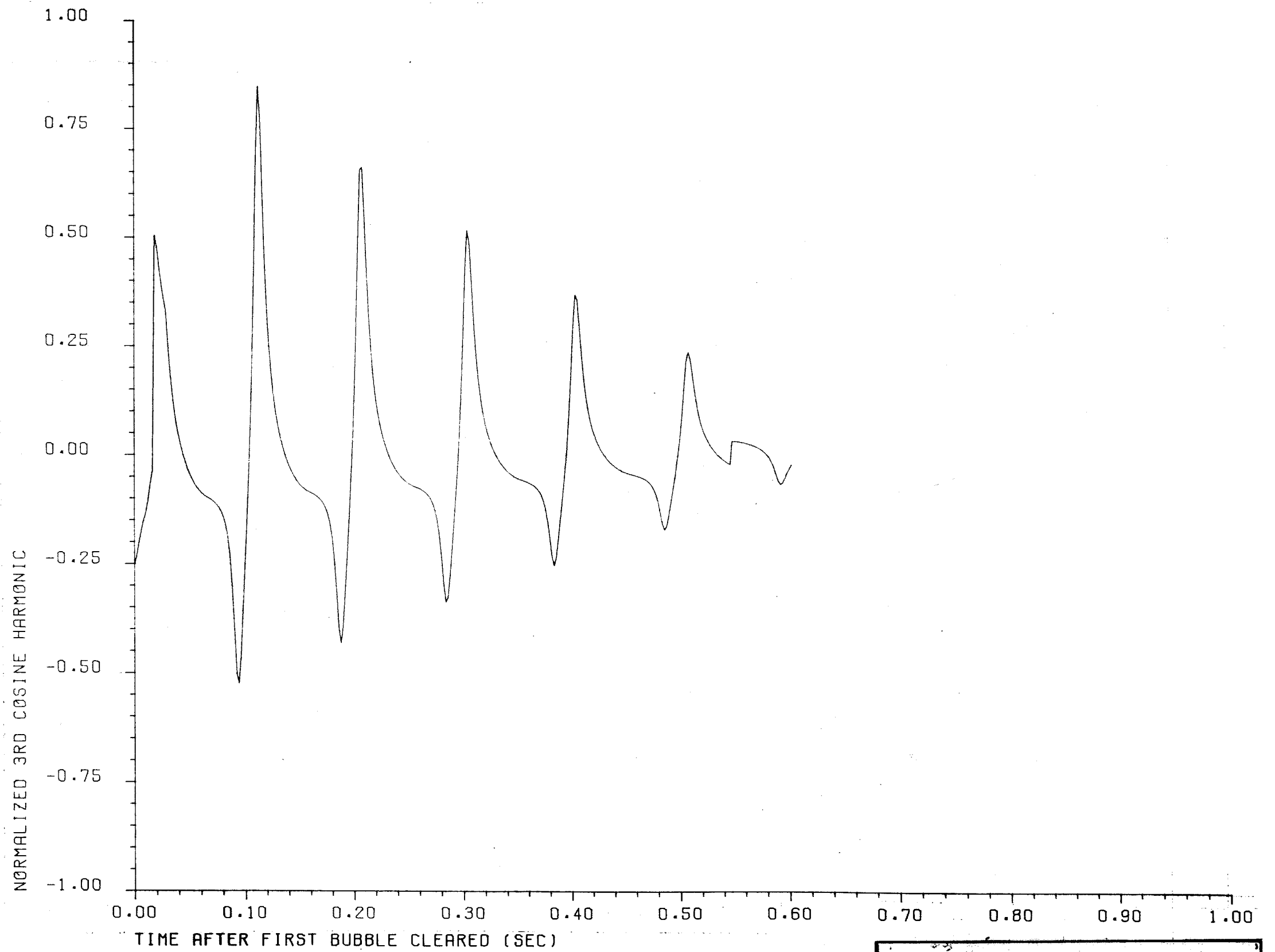
CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT  
 FIGURE A3.8-11  
 ASYMMETRIC DISCHARGE WALL LOADING  
 ZONE 4  
 NORMALIZED 1<sup>st</sup> COSINE HARMONIC



CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-12

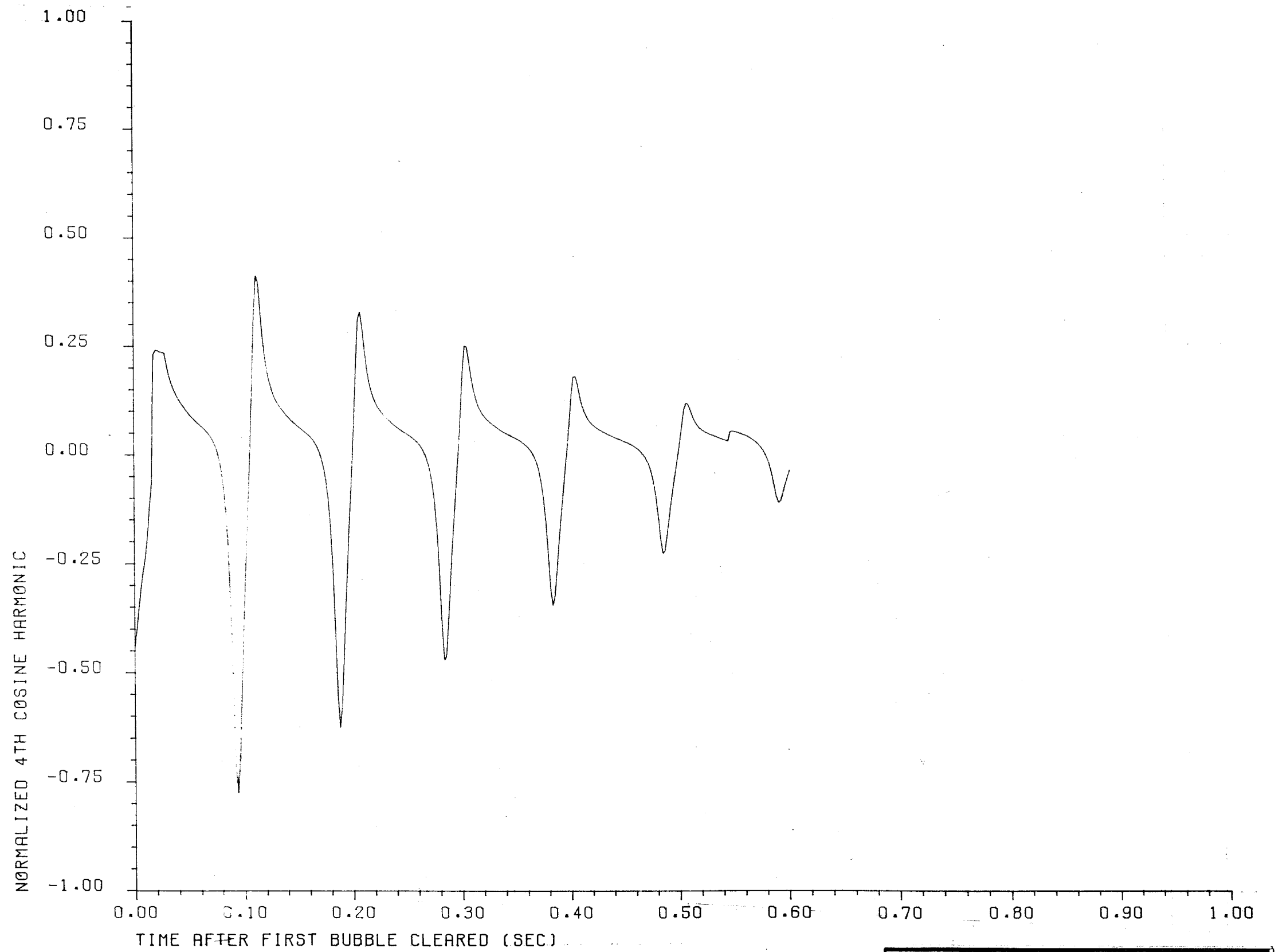
ASYMMETRIC DISCHARGE WALL LOADING  
ZONE 4  
NORMALIZED 2<sup>nd</sup> COSINE HARMONIC



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FIGURE A3.8-13

ASYMMETRIC DISCHARGE WALL LOADING  
 ZONE 4  
 NORMALIZED 3<sup>rd</sup> COSINE HARMONIC

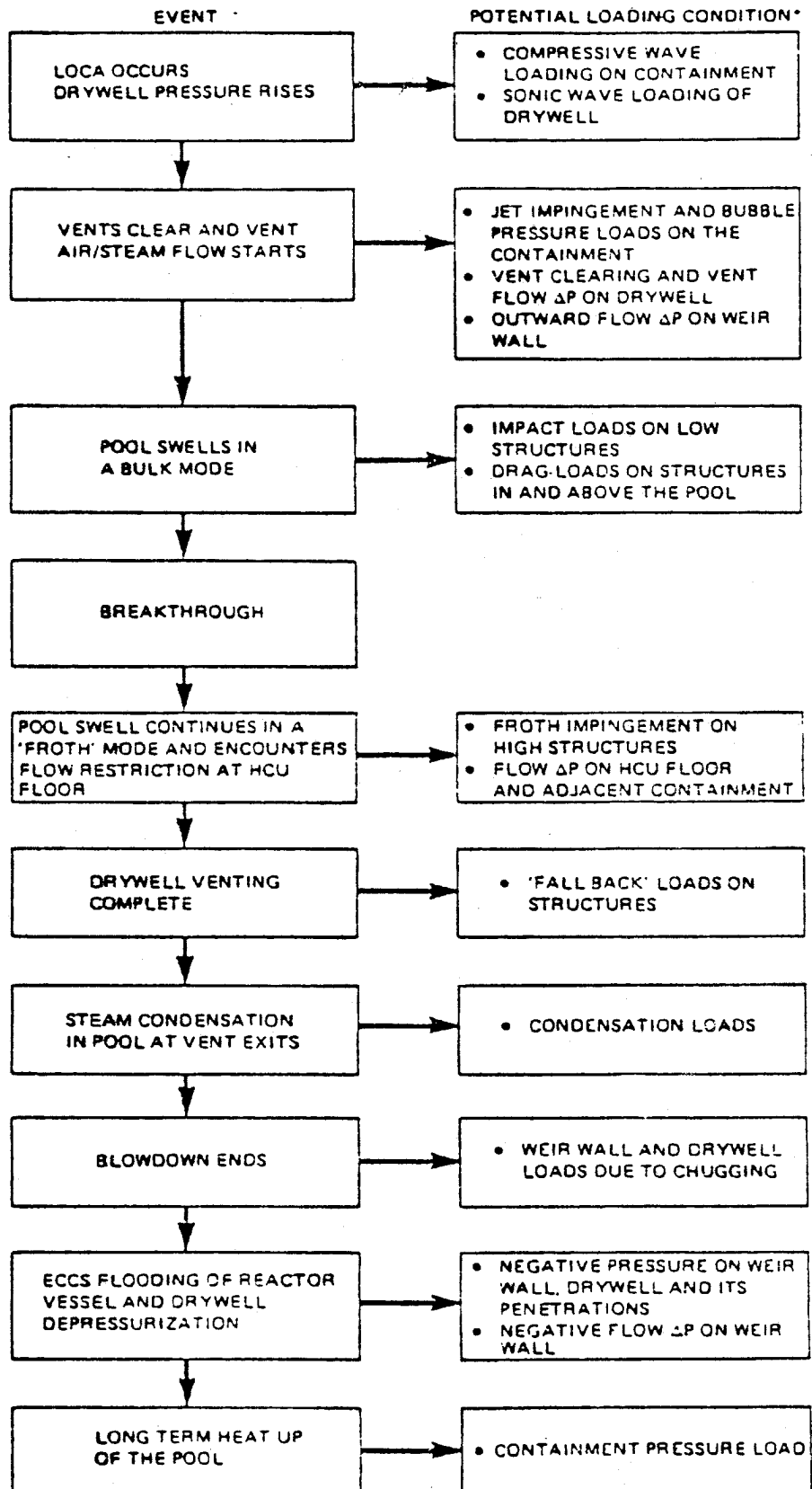


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FIGURE A3.8-14

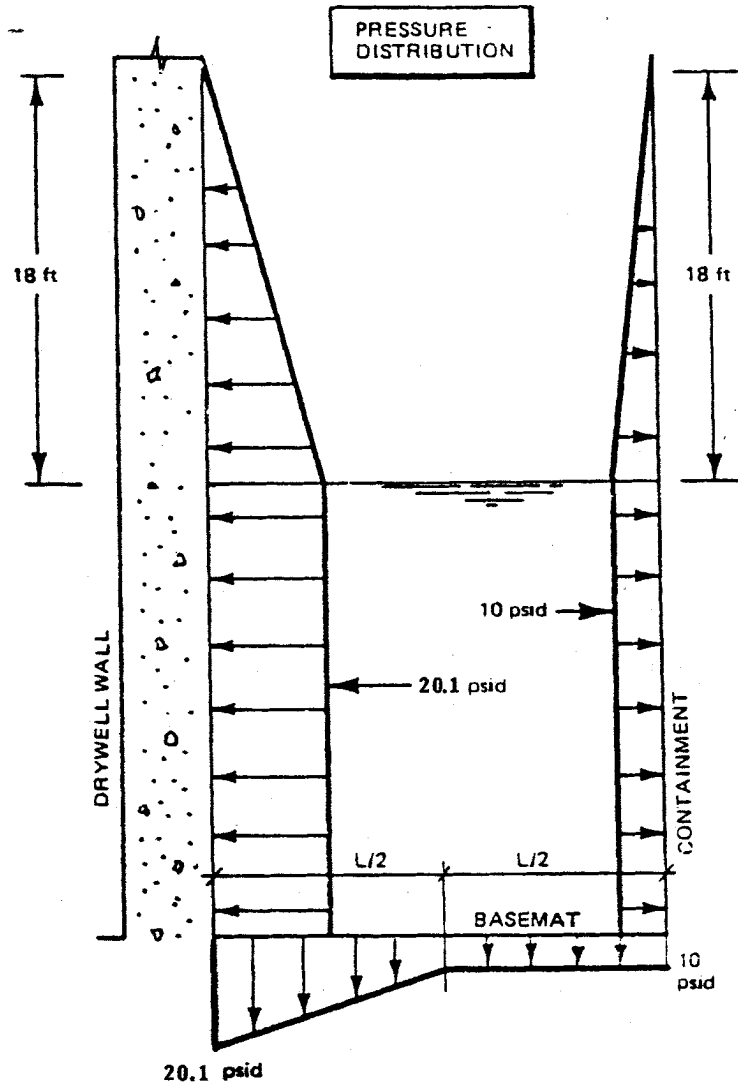
ASYMMETRIC DISCHARGE WALL LOADING  
ZONE 4  
NORMALIZED 4th COSINE HARMONIC





\*ALL POTENTIAL LOCA DYNAMIC LOADS ARE IDENTIFIED, BUT ALL ARE NOT SIGNIFICANT (SEE TEXT FOR DETAILS)

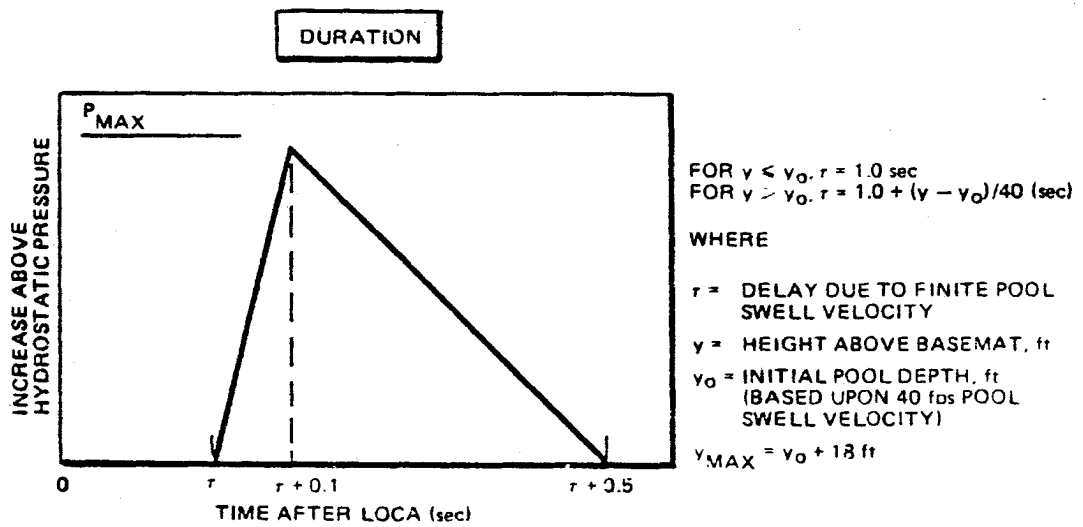
**CLINTON POWER STATION**  
**UPDATED SAFETY ANALYSIS REPORT**  
 FIGURE A3.8-15  
 LOSS-OF-COOLANT  
 ACCIDENT CHRONOLOGY (DBA)



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FIGURE A3.8-16

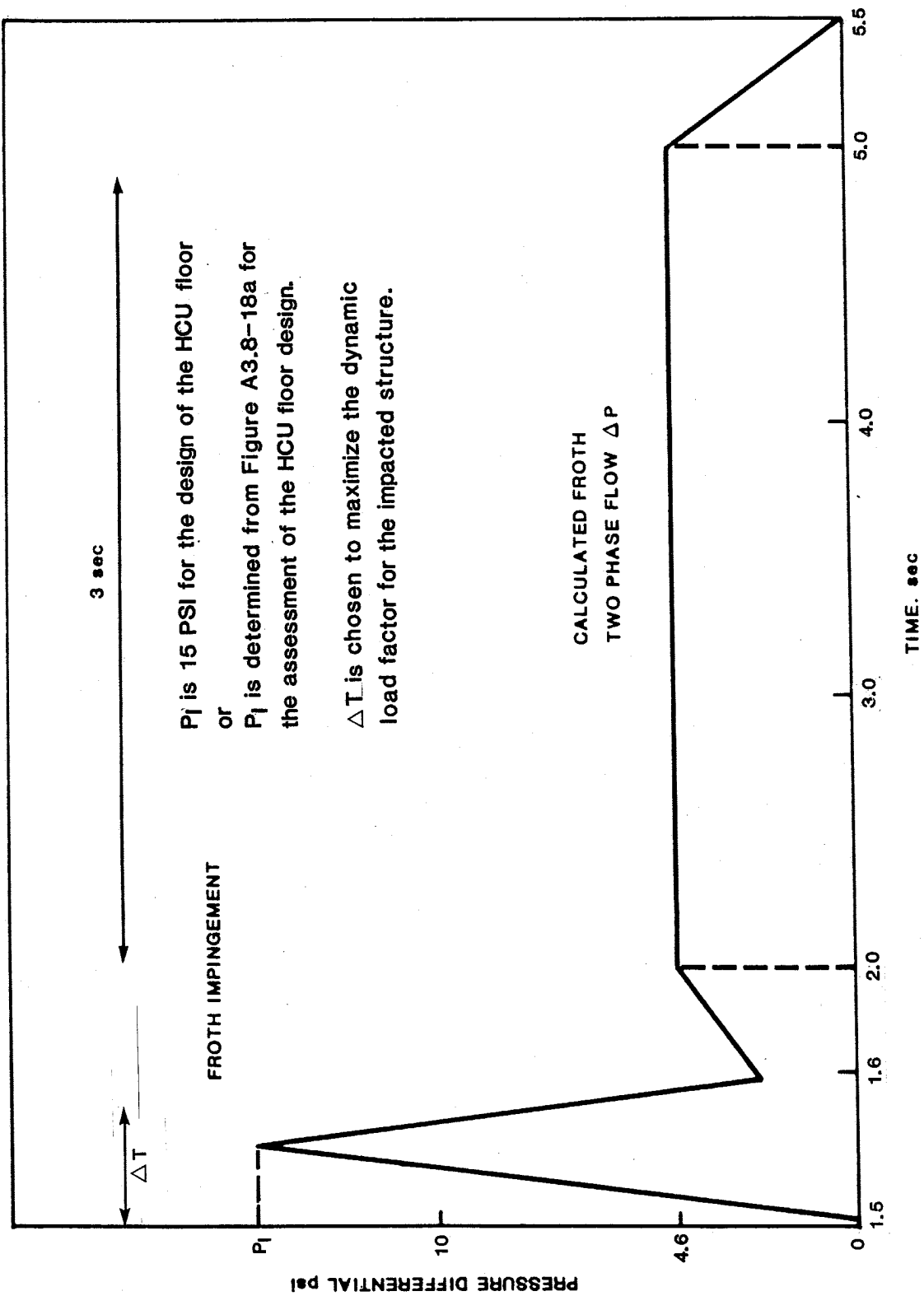
PRESSURE DISTRIBUTION ON SUPPRESSION  
POOL WETTED SURFACE



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FIGURE A3.8-17

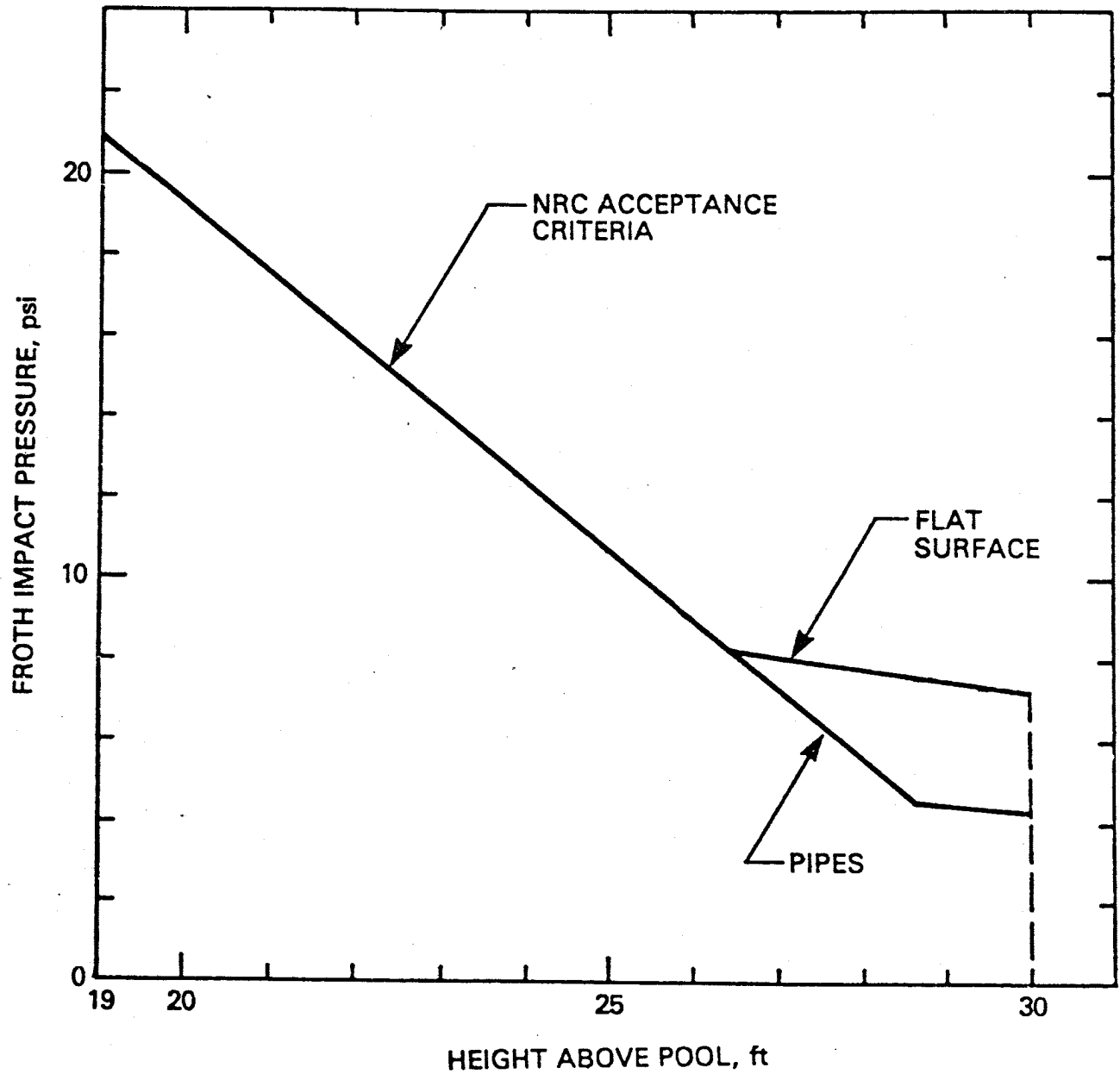
DYNAMIC LOADS ASSOCIATED WITH INITIAL  
 BUBBLE FORMATION IN THE POOL



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 UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-18

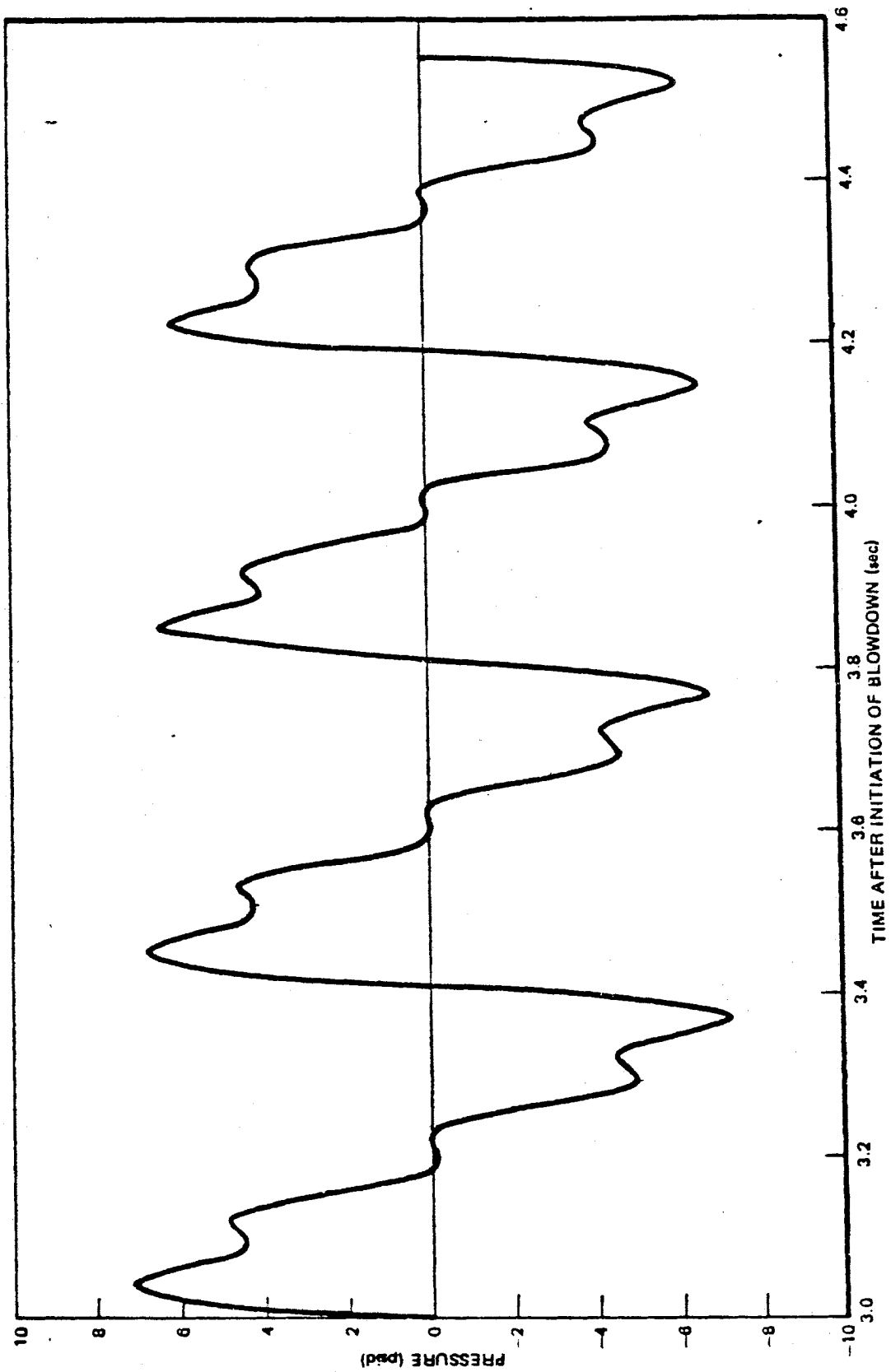
LOADS AT HCU FLOOR ELEVATION DUE TO POOL SWELL FROTH IMPACT AND TWO PHASE FLOW



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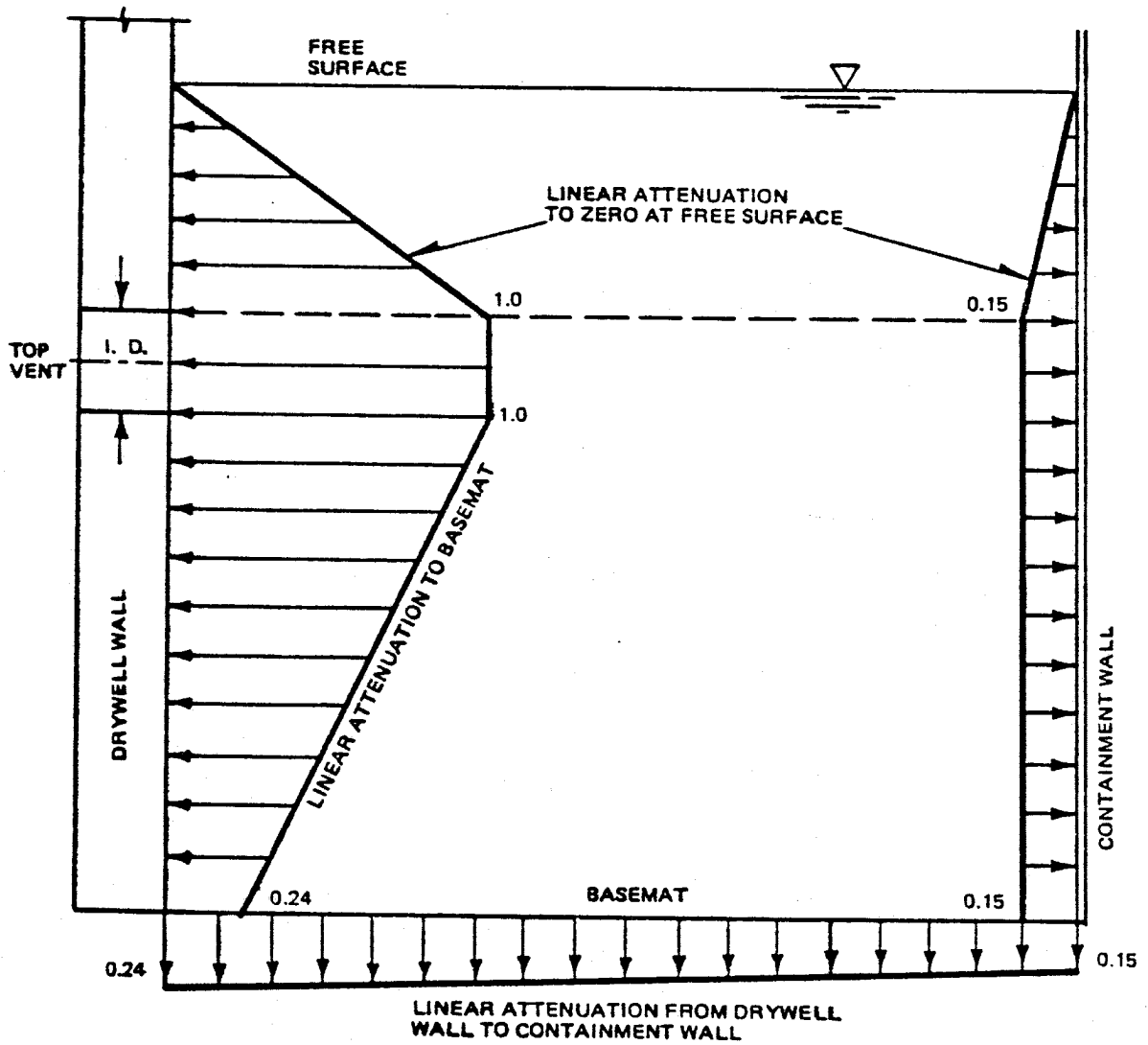
FIGURE A3.8-18a  
 NRC ACCEPTANCE CRITERIA FOR FROTH  
 IMPACT: PEAK AMPLITUDE OF PRESSURE PULSE



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UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-19

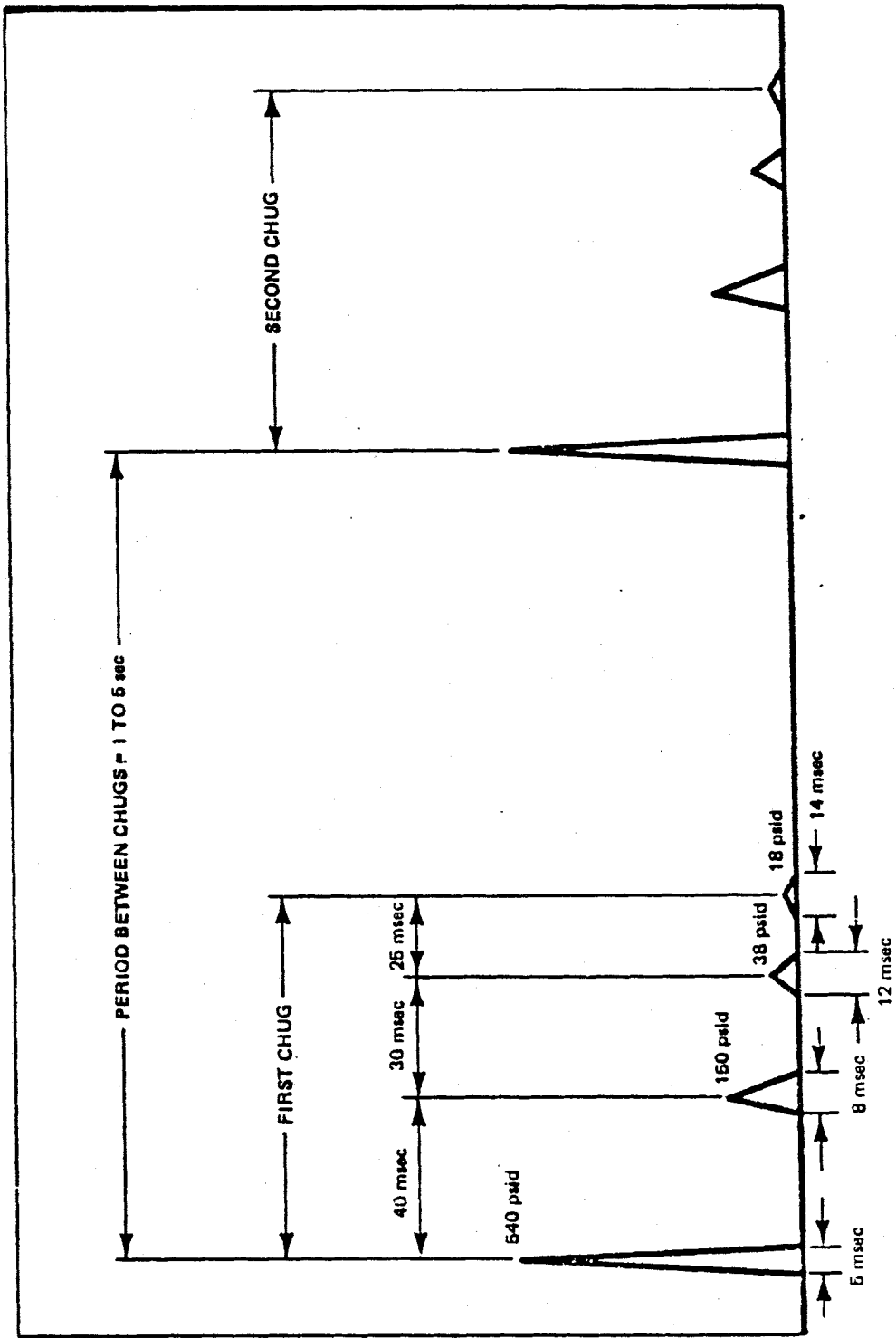
CONDENSATION OSCILLATION FORCING  
FUNCTION ON THE DRYWELL WALL O.D.  
ADJACENT THE TOP VENT



CLINTON POWER STATION  
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FIGURE A3.8-20

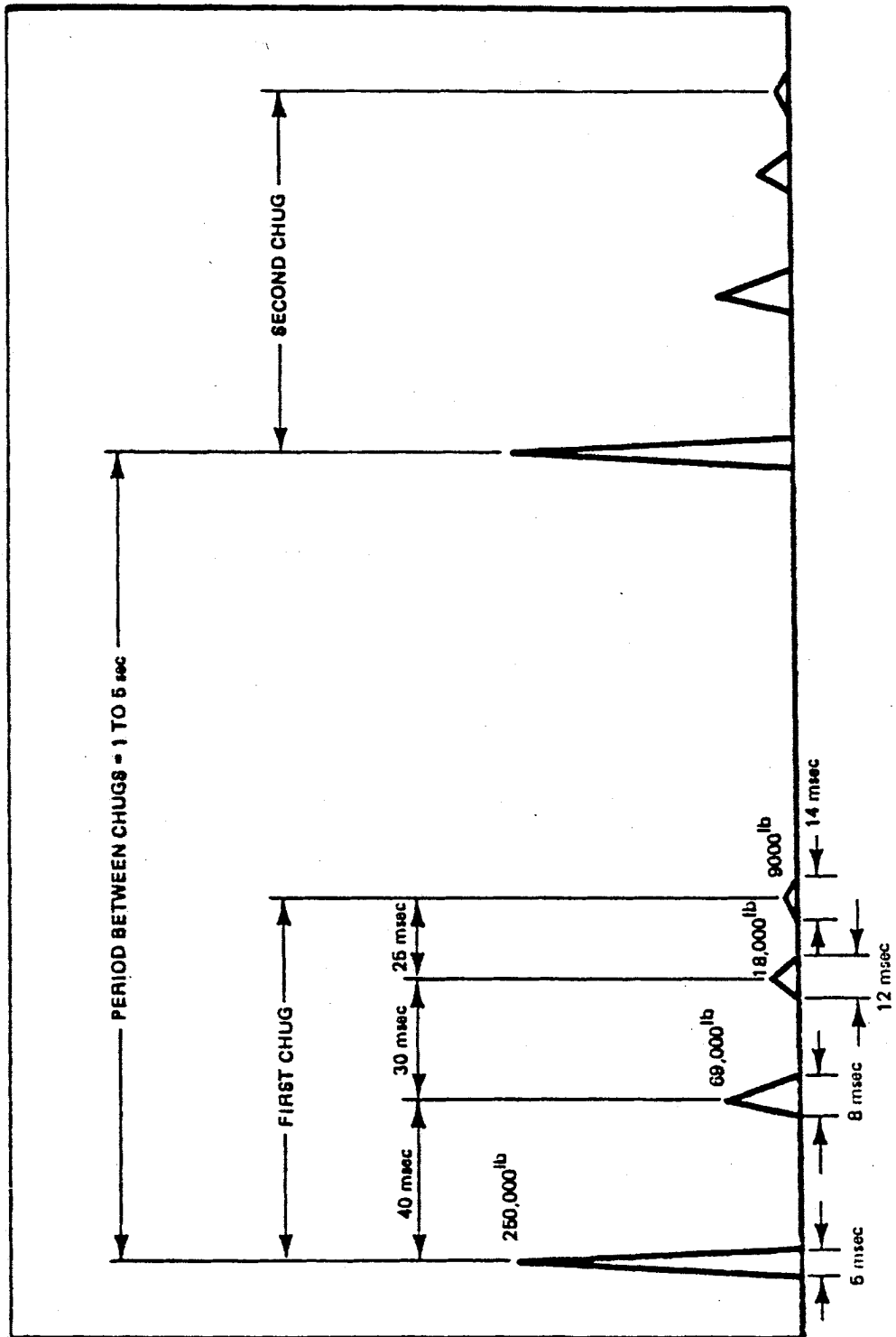
CONDENSATION OSCILLATION LOAD SPATIAL  
 DISTRIBUTION ON THE DRYWELL WALL,  
 CONTAINMENT WALL AND BASE MAT



AMPLITUDE (psid)

CLINTON POWER STATION  
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 FIGURE A3.8-21  
 PEAK PRESSURE PULSE TRAIN IN TOP  
 VENT DURING CHUGGING



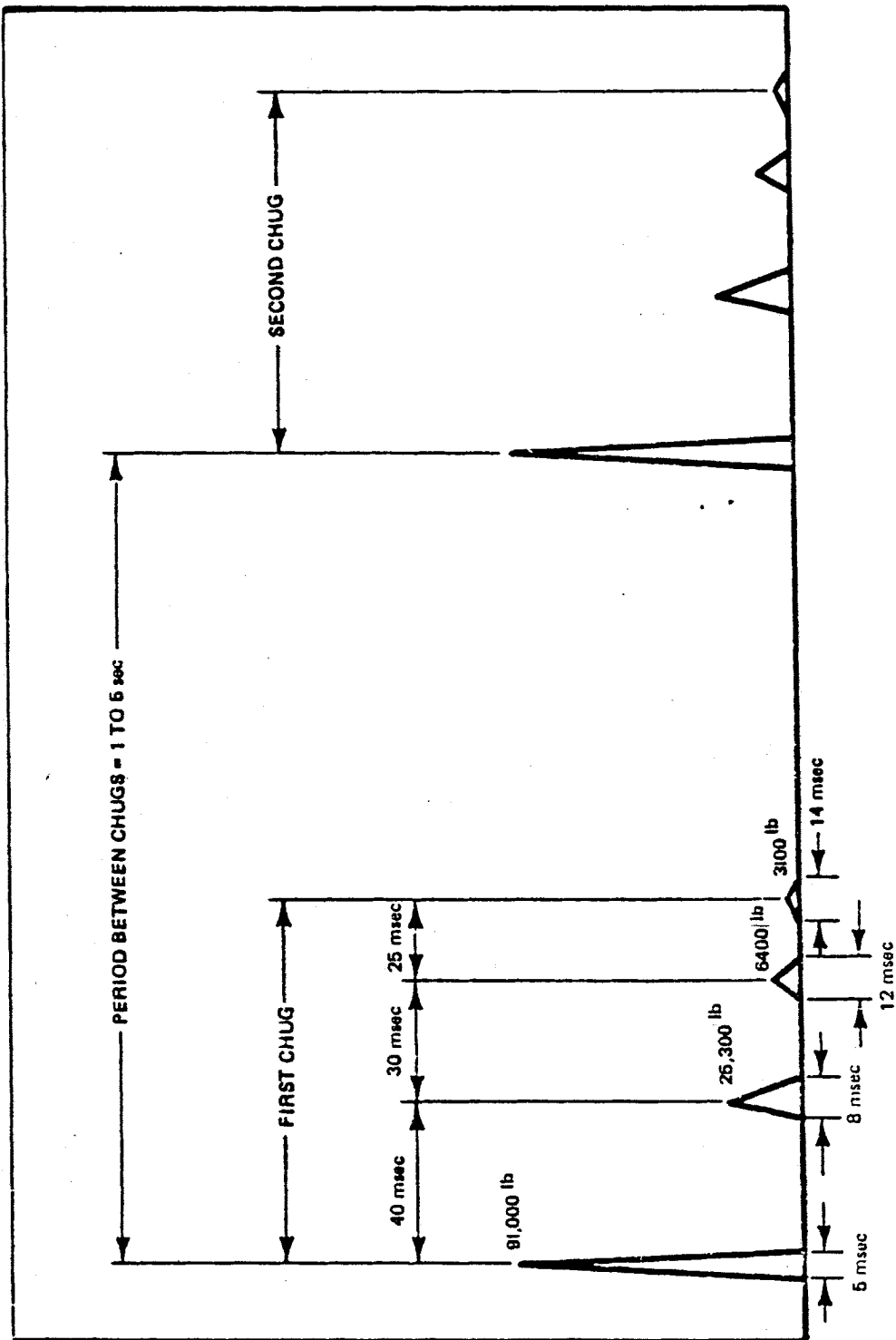


AMPLITUDE (lb)

CLINTON POWER STATION  
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FIGURE A3.8-22

PEAK FORCE PULSE TRAIN IN TOP  
 VENT DURING CHUGGING

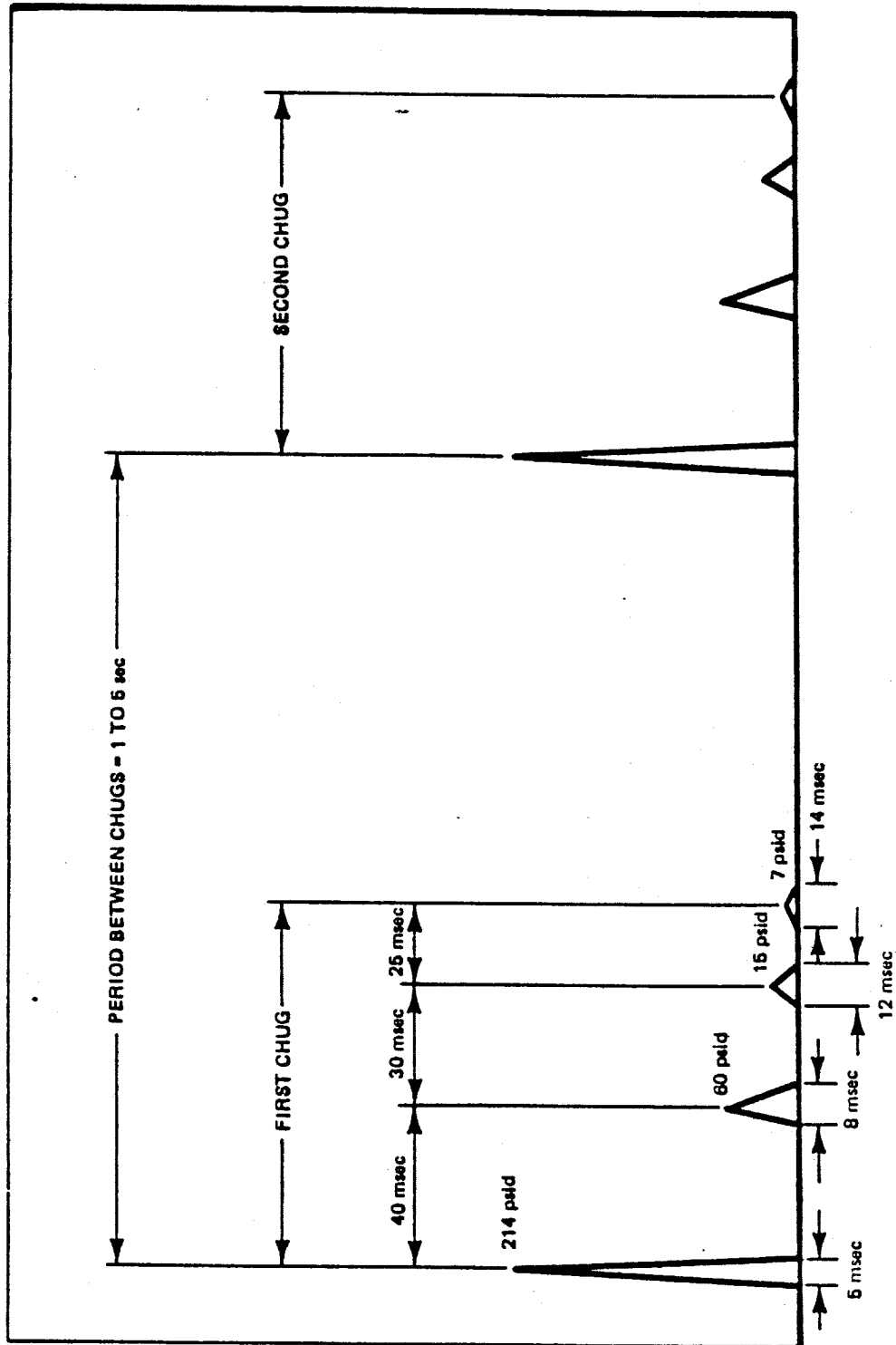


AMPLITUDE (lb)

CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-23

AVERAGE FORCE PULSE TRAIN IN TOP  
 VENT DURING CHUGGING

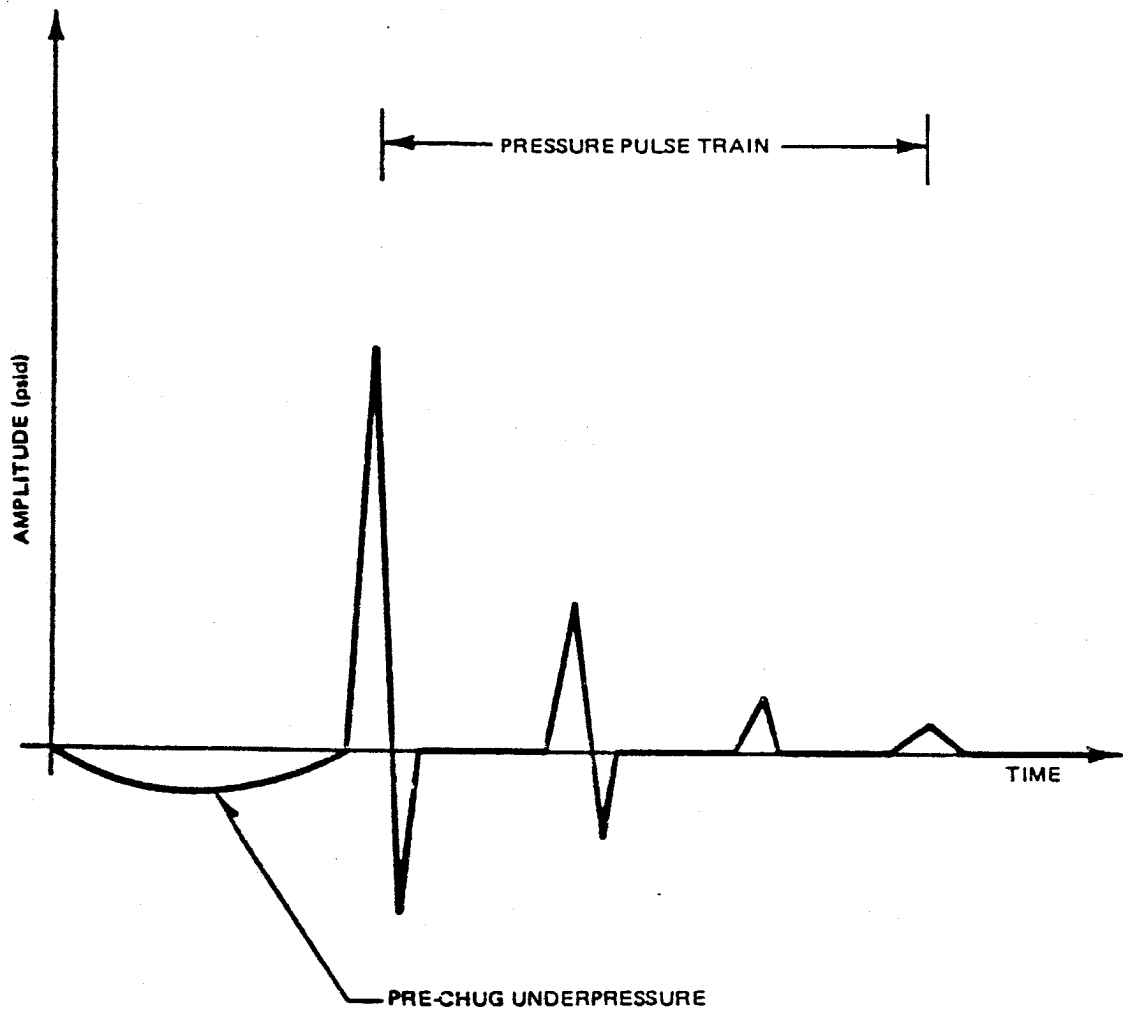


AMPLITUDE (psid)

CLINTON POWER STATION  
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FIGURE A3.8-24

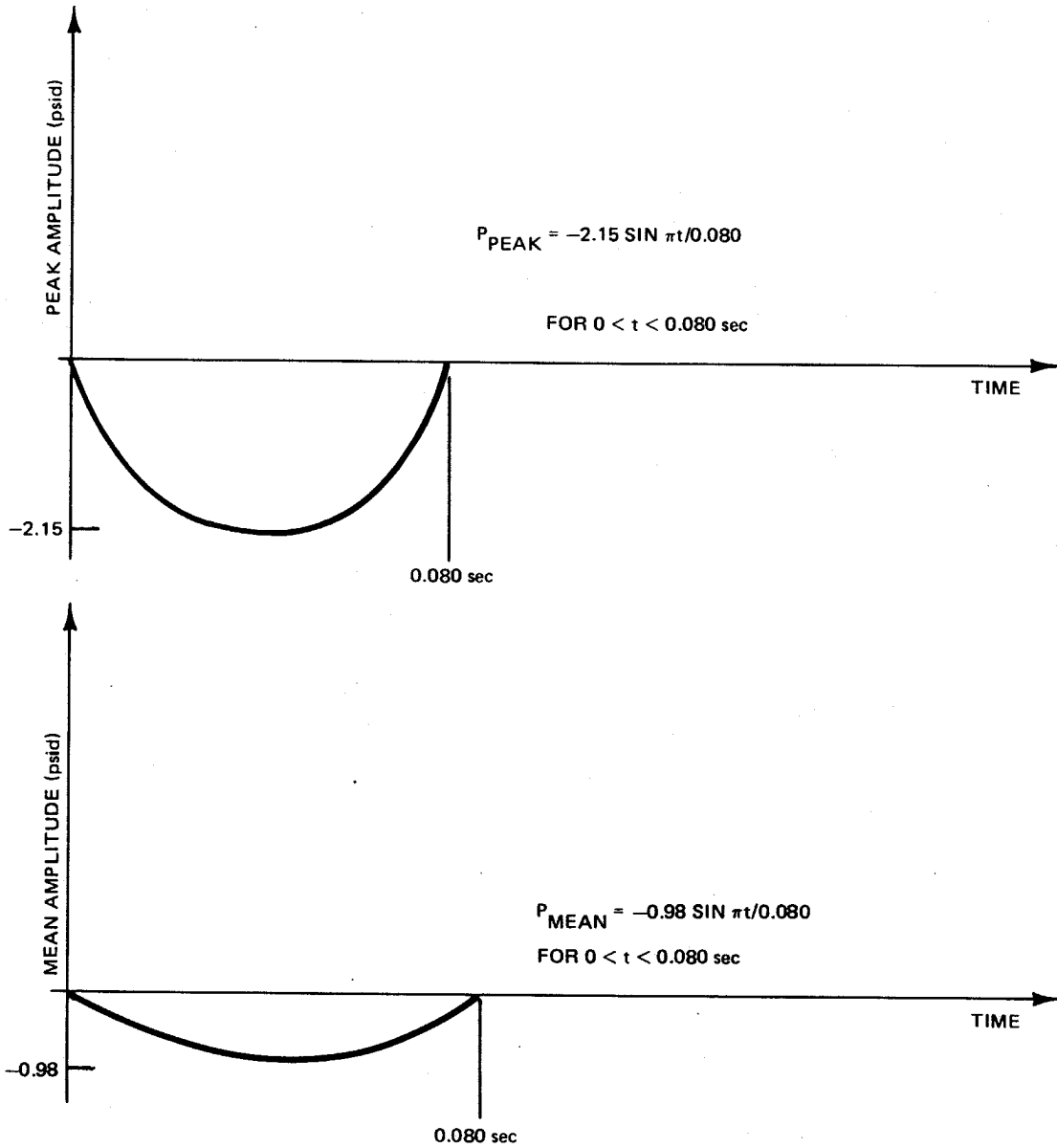
AVERAGE PRESSURE PULSE TRAIN IN TOP  
 VENT DURING CHUGGING



CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-25

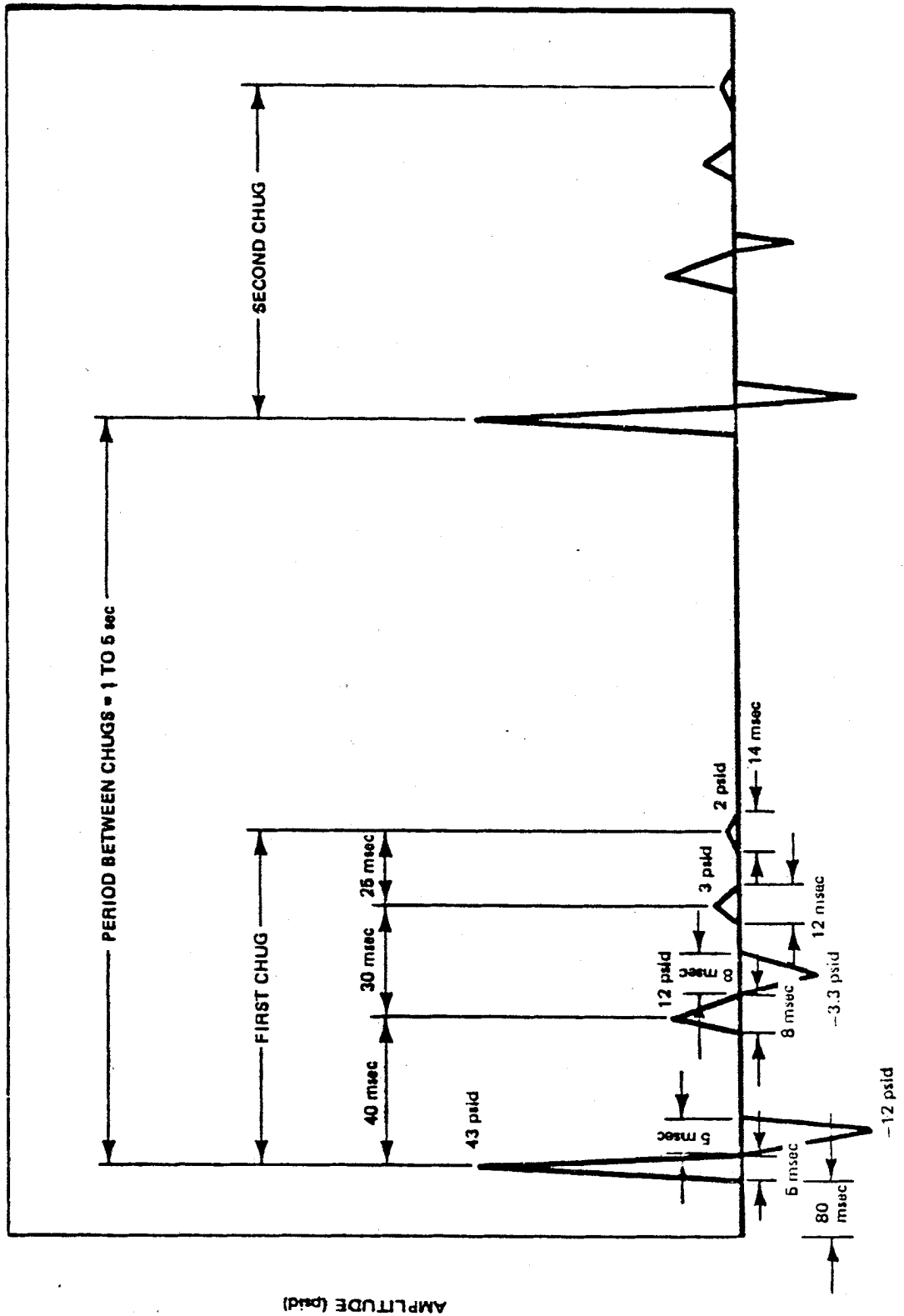
TYPICAL PRESSURE TIME-HISTORY FOR  
WEIR ANNULUS DURING CHUGGING



**CLINTON POWER STATION  
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FIGURE A3.8-26

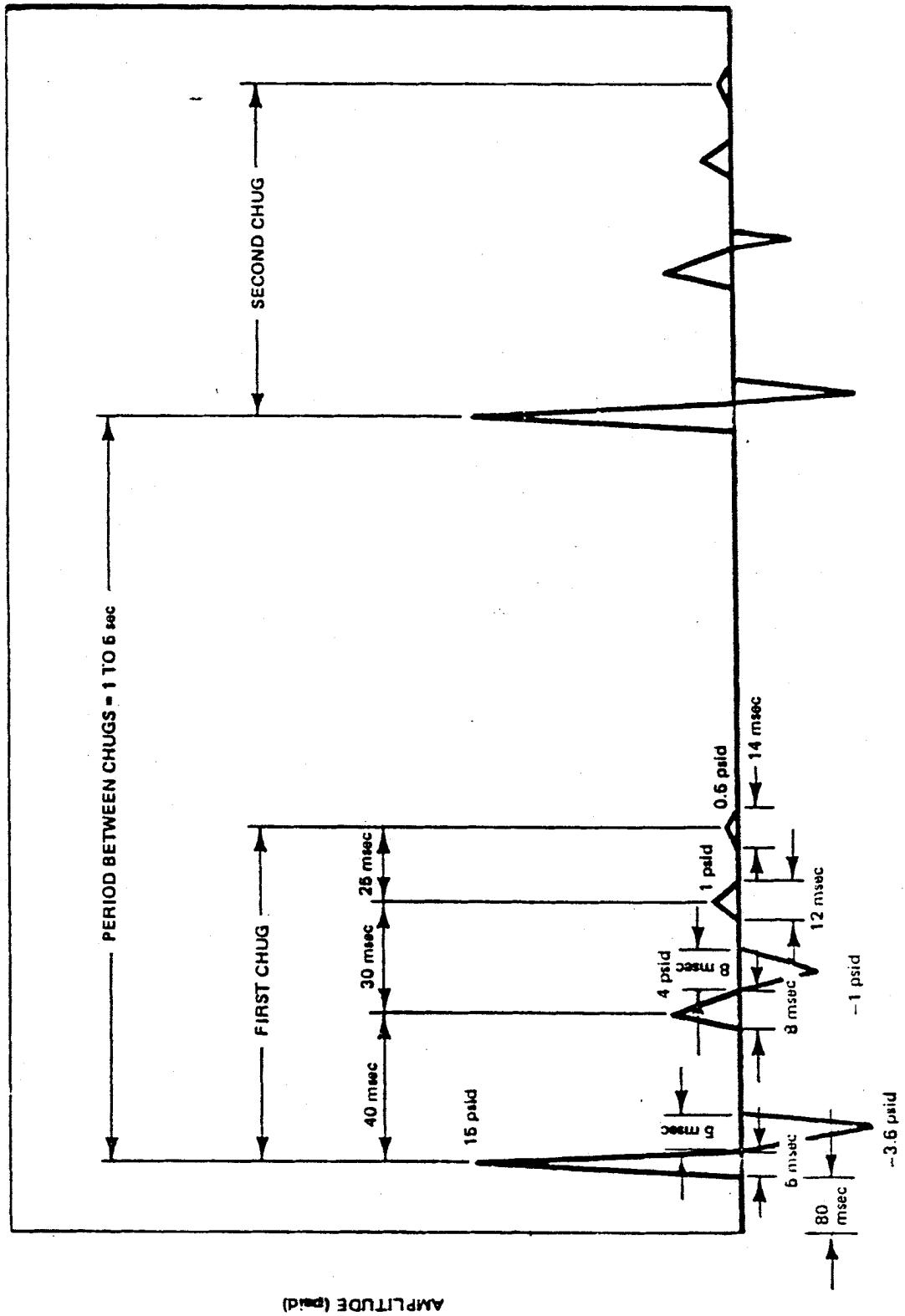
UNDERPRESSURE DISTRIBUTION ON THE WEIR  
WALL AND DRYWELL I.D. WALL  
DURING CHUGGING



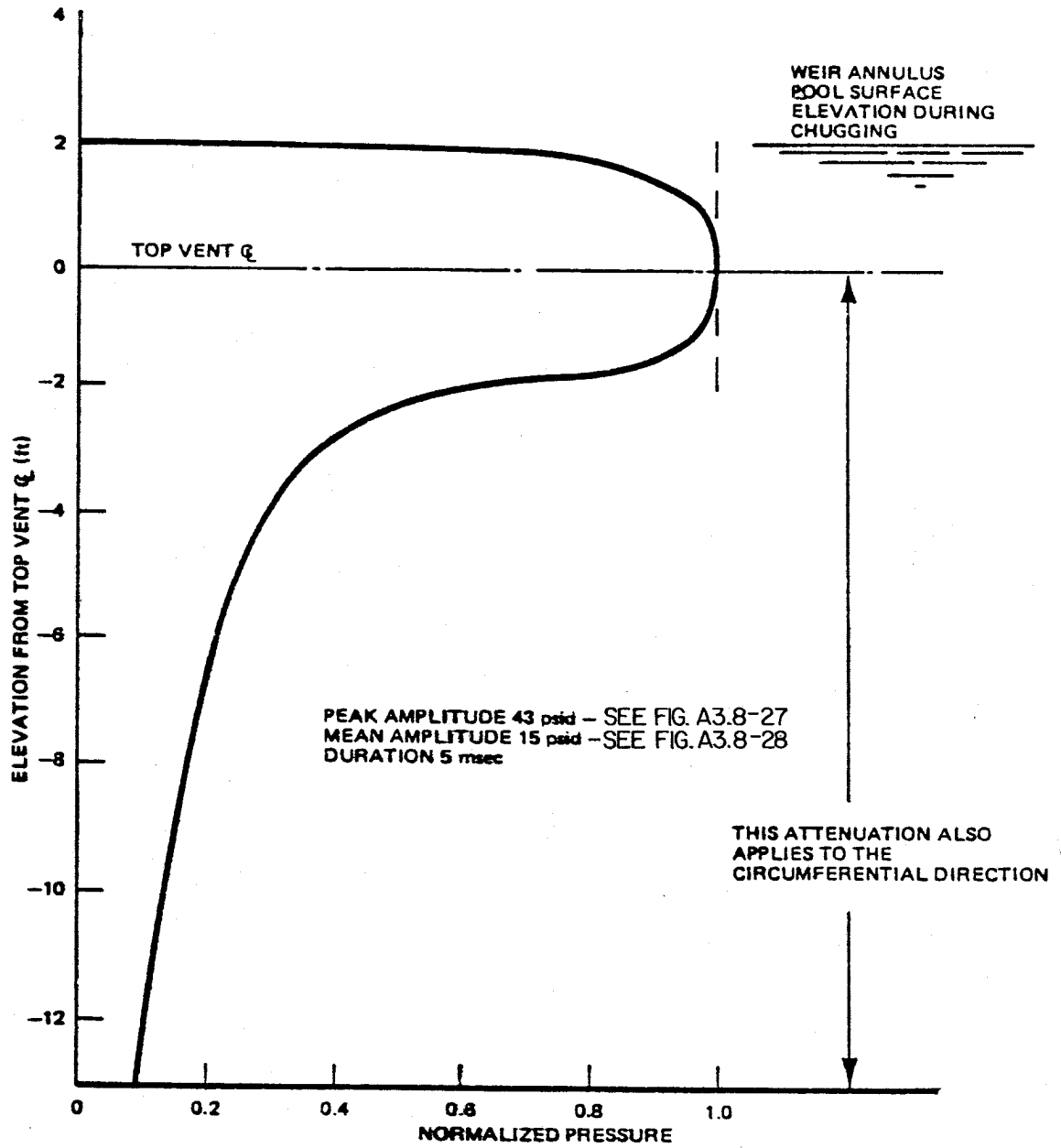
CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-27

PEAK PRESSURE PULSE TRAIN ON THE  
 WEIR WALL AND DRYWELL I.D.  
 WALL DURING CHUGGING



CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT  
 FIGURE A3.8-28  
 MEAN PRESSURE PULSE TRAIN ON THE WEIR  
 WALL AND DRYWELL I.D. WALL  
 DURING CHUGGING

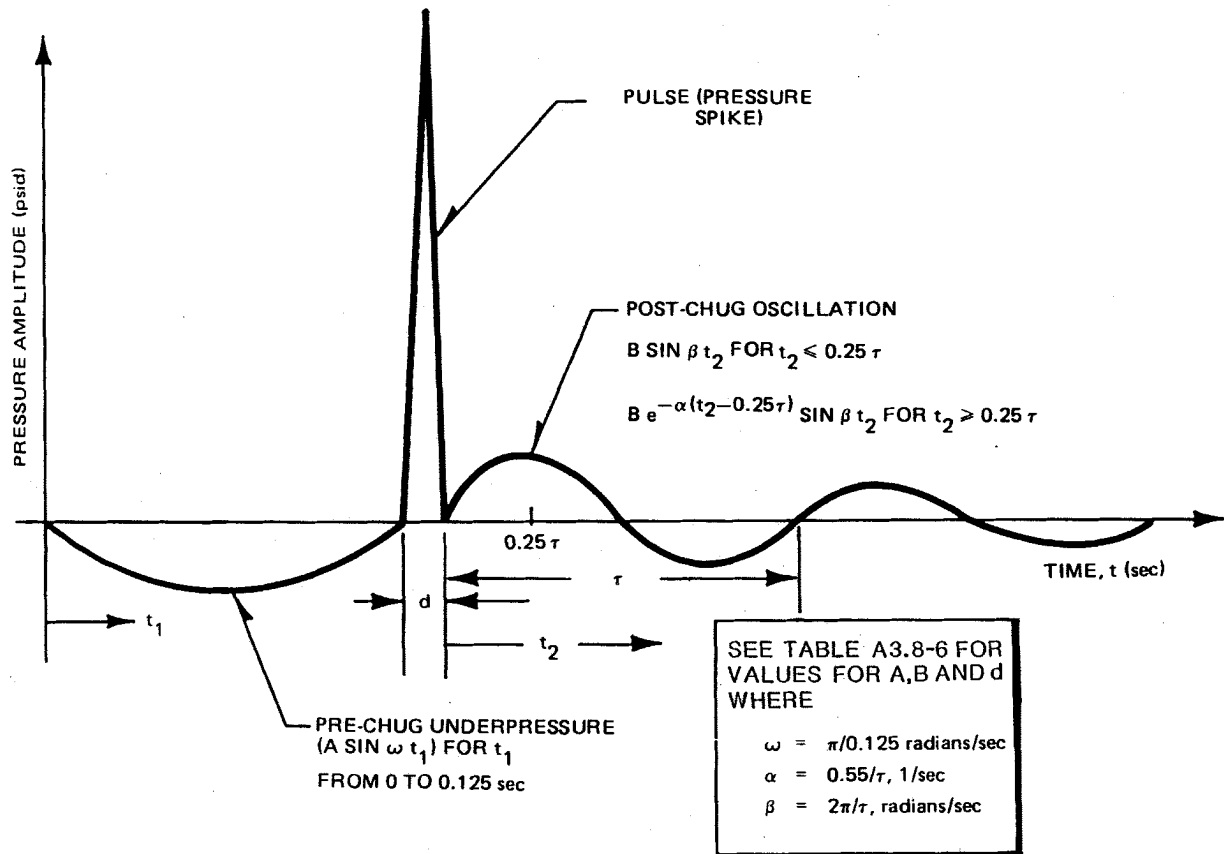


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FIGURE A3.8-29

NORMALIZED WEIR ANNULUS PRESSURE  
PULSE ATTENUATION

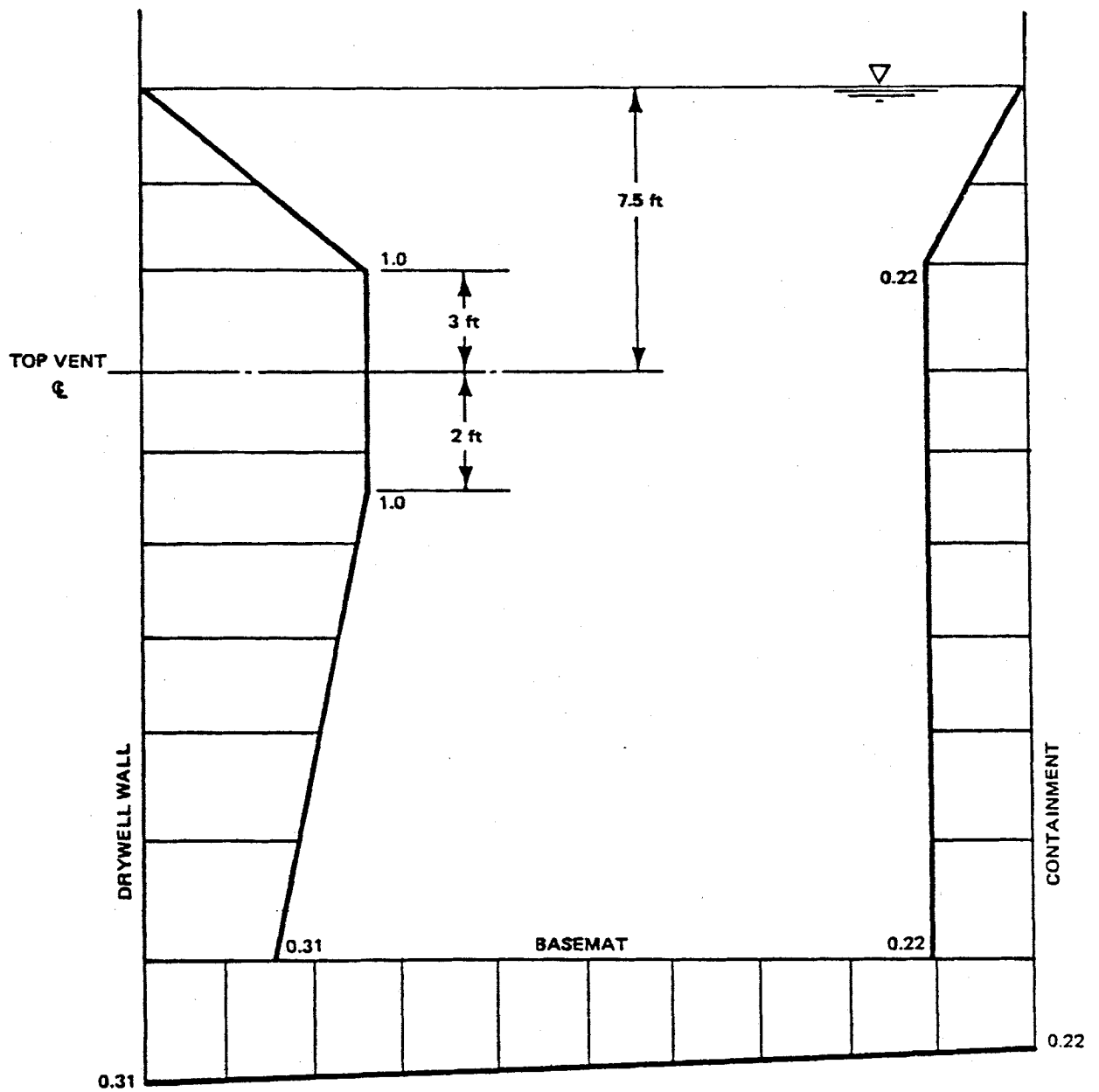




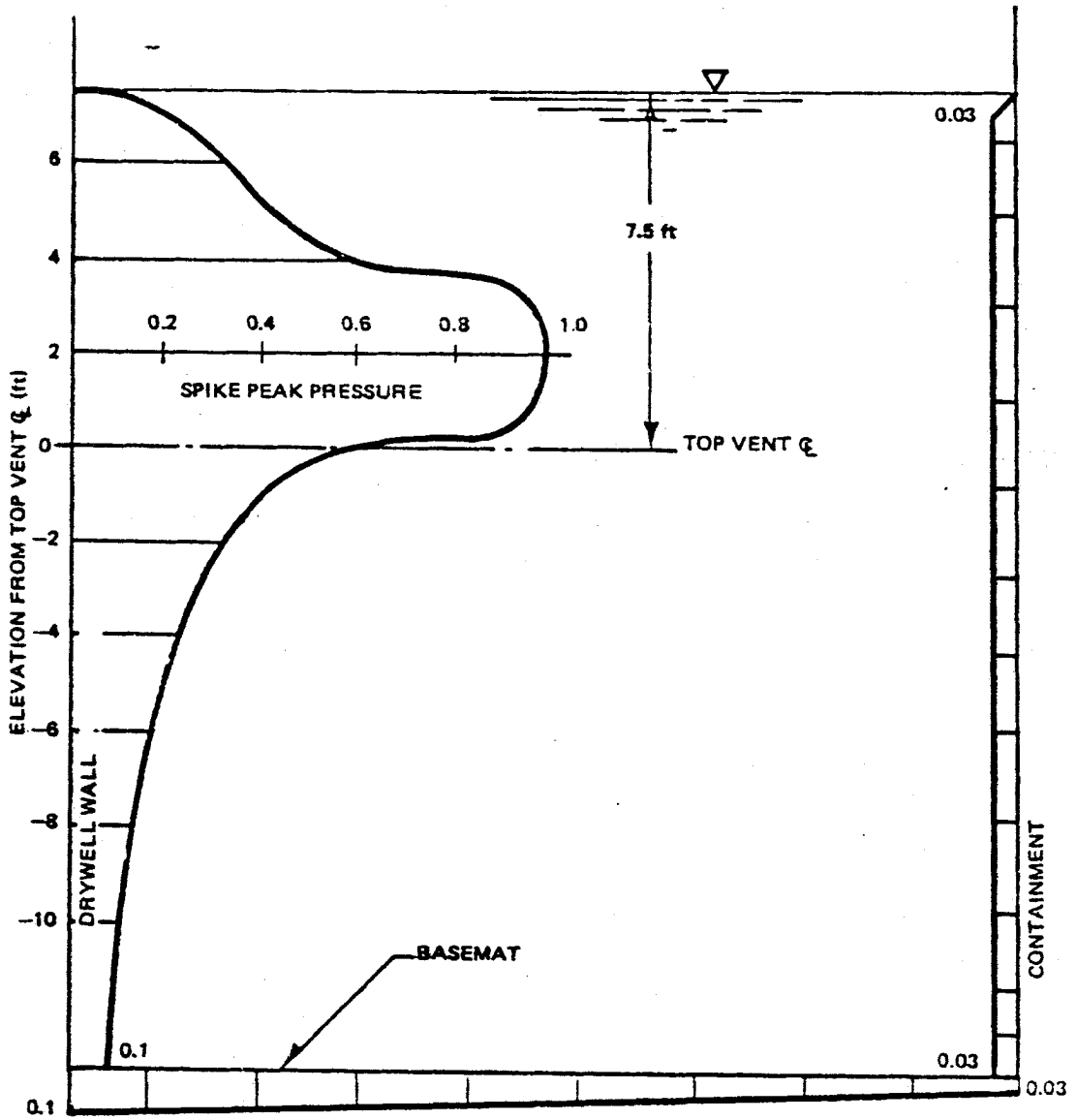
**CLINTON POWER STATION**  
**UPDATED SAFETY ANALYSIS REPORT**

FIGURE A3.8-30

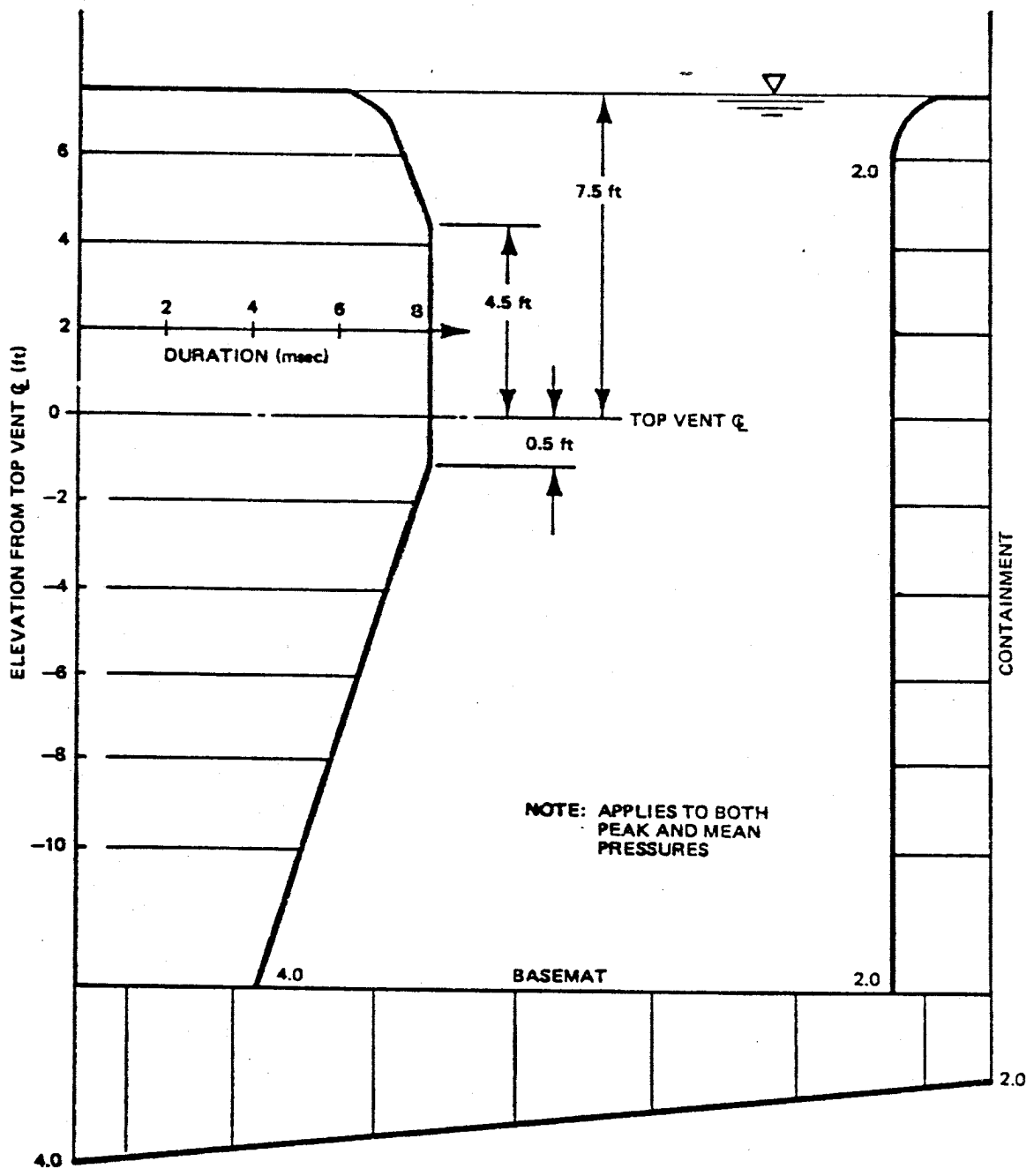
TYPICAL PRESSURE TIME-HISTORY ON  
 THE POOL BOUNDARY DURING CHUGGING



**CLINTON POWER STATION**  
**UPDATED SAFETY ANALYSIS REPORT**  
 FIGURE A3.8-31  
 SUPPRESSION POOL CHUGGING NORMALIZED  
 PEAK UNDERPRESSURE ATTENUATION



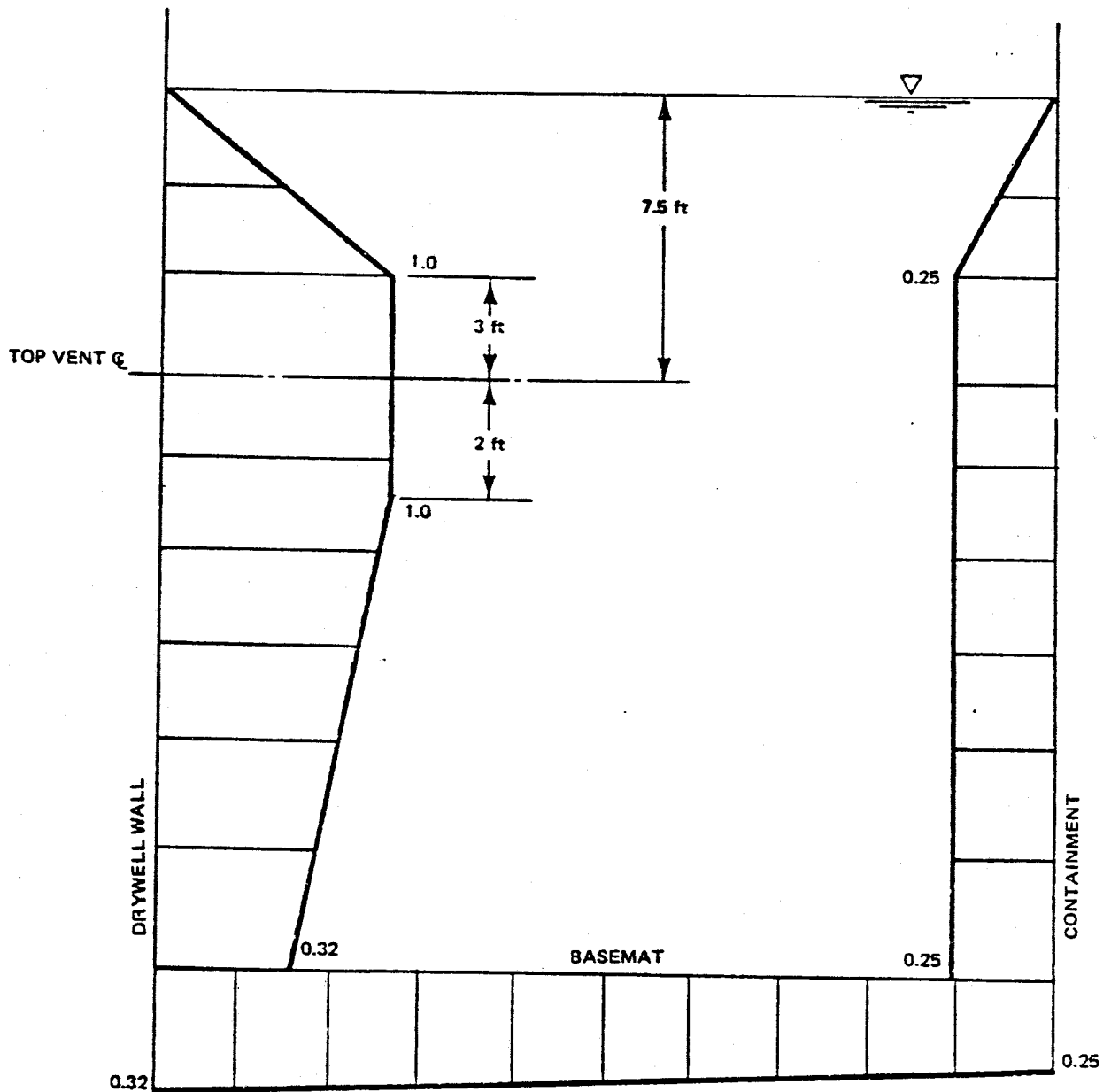
**CLINTON POWER STATION**  
**UPDATED SAFETY ANALYSIS REPORT**  
 FIGURE A3.8-32  
 SUPPRESSION POOL CHUGGING  
 NORMALIZED SPIKE ATTENUATION



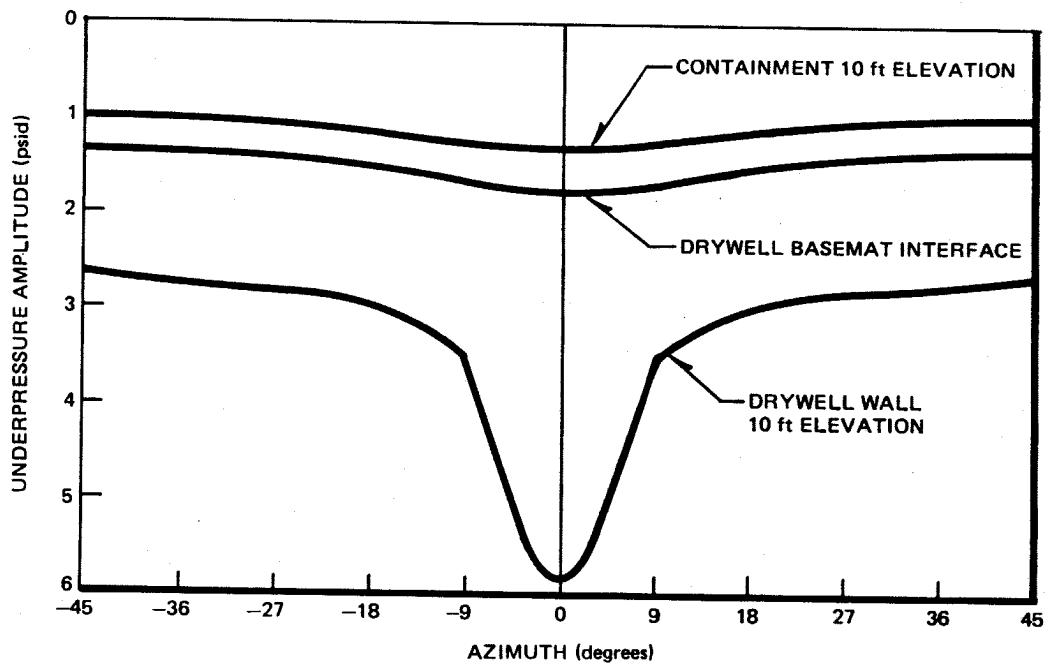
CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-33

SUPPRESSION POOL CHUGGING SPIKE  
 DURATION "d" AS A FUNCTION OF LOCATION  
 IN THE POOL



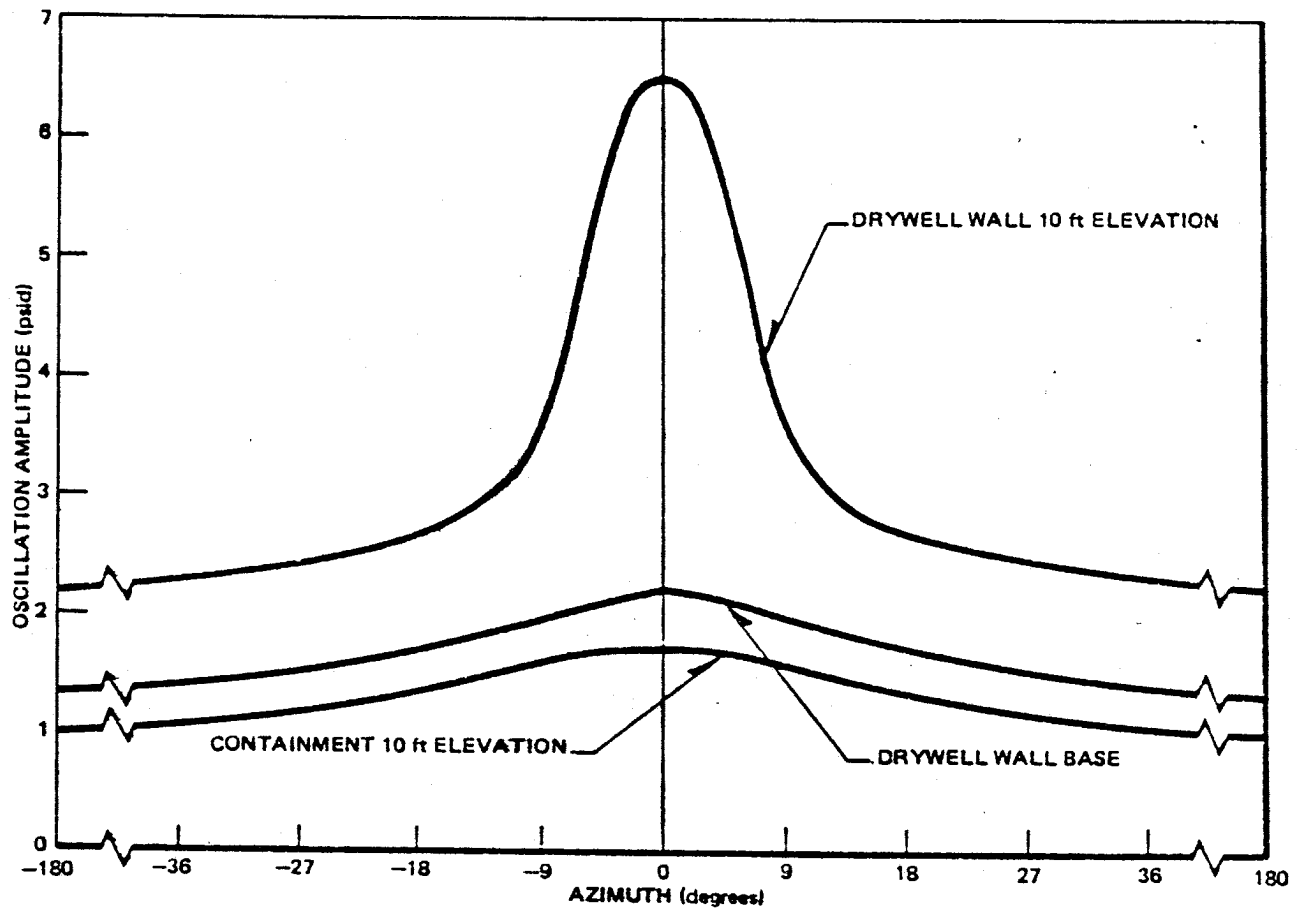
**CLINTON POWER STATION**  
**UPDATED SAFETY ANALYSIS REPORT**  
 FIGURE A3.8-34  
 SUPPRESSION POOL CHUGGING NORMALIZED  
 PEAK POST CHUG OSCILLATIONS



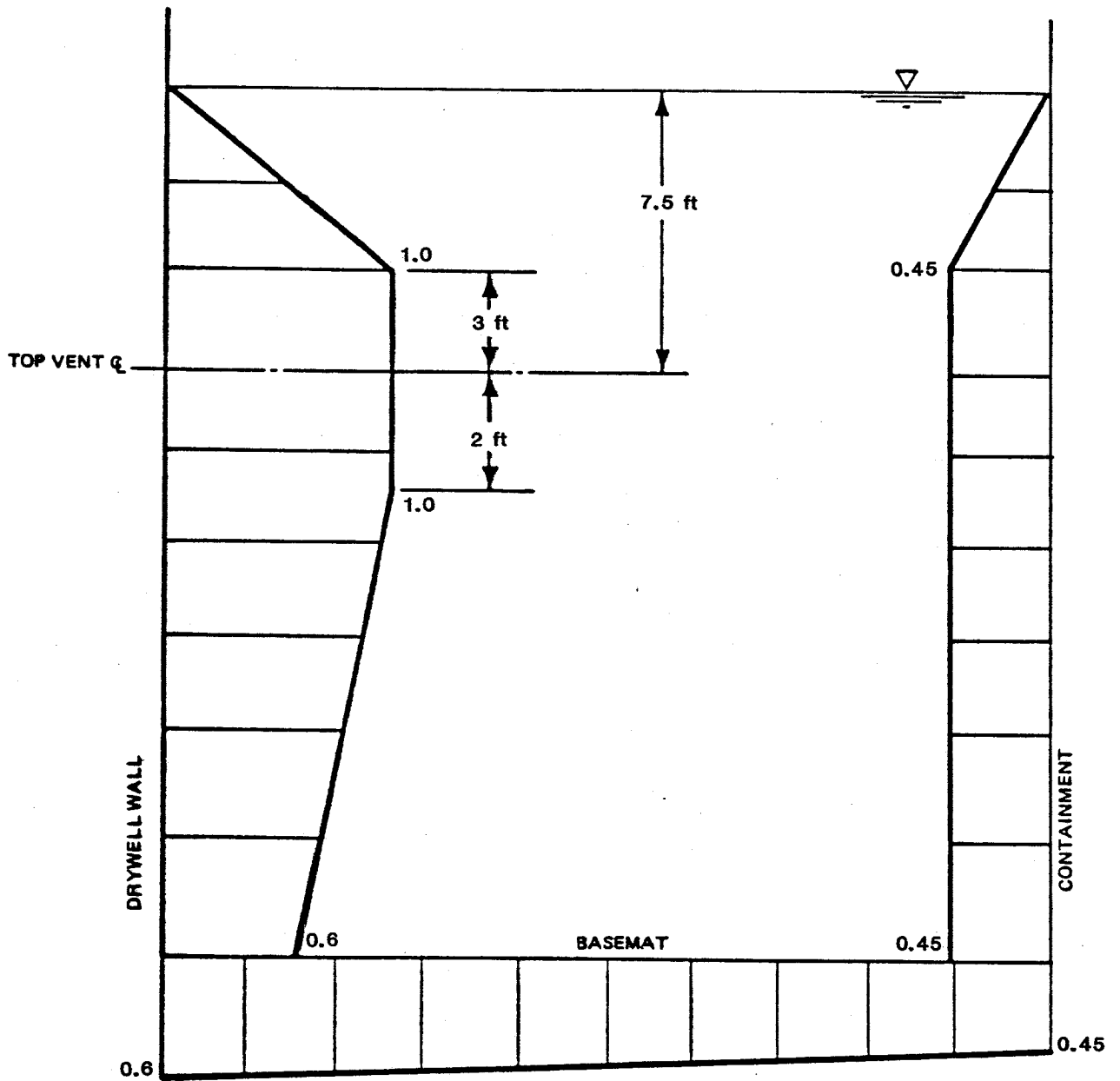
**CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT**

FIGURE A3.8-35

CIRCUMFERENTIAL UNDERPRESSURE  
AMPLITUDE ATTENUATION

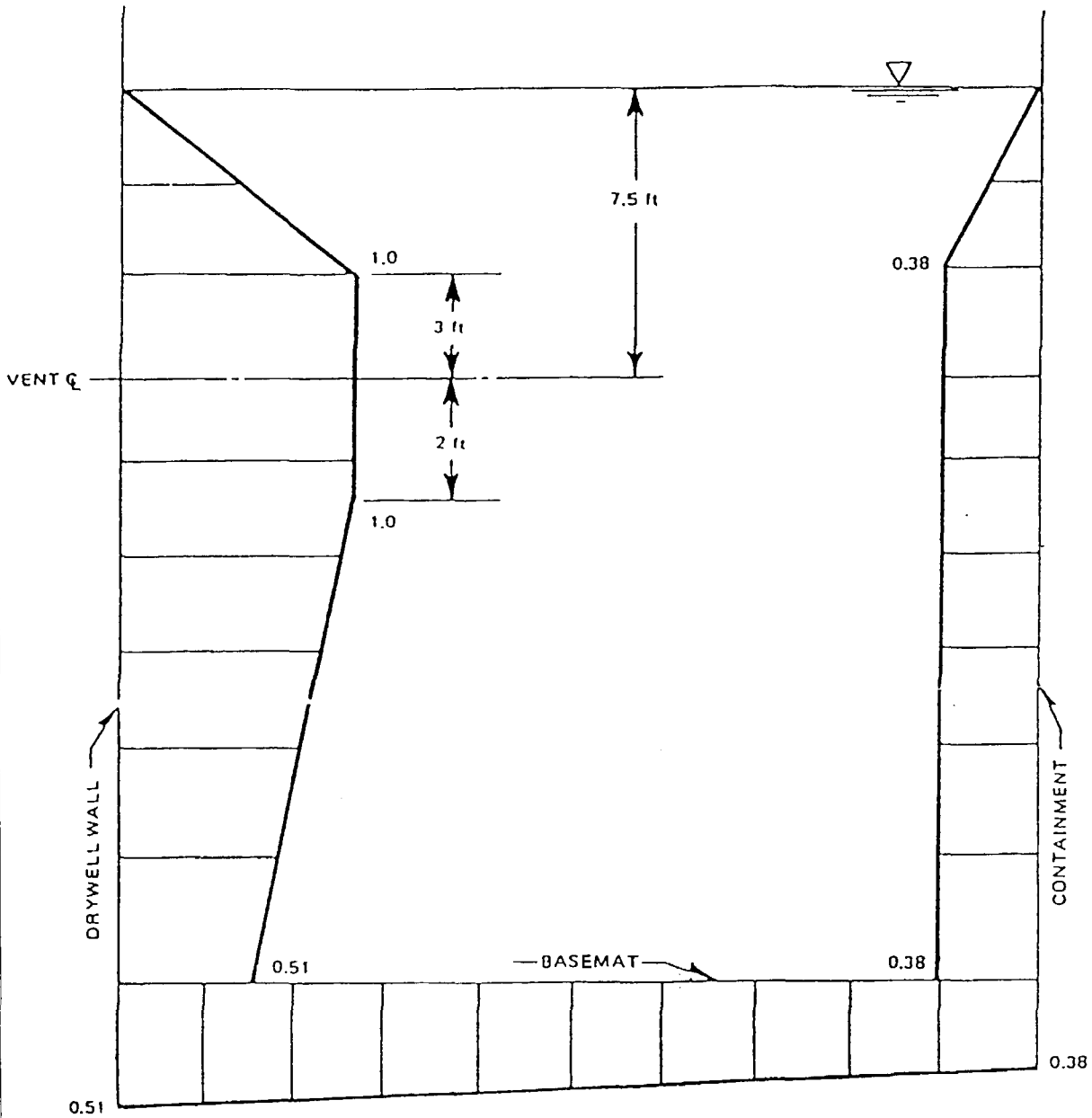


CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT  
 FIGURE A3.8-36  
 CIRCUMFERENTIAL POST CHUG OSCILLATION  
 AMPLITUDE ATTENUATION



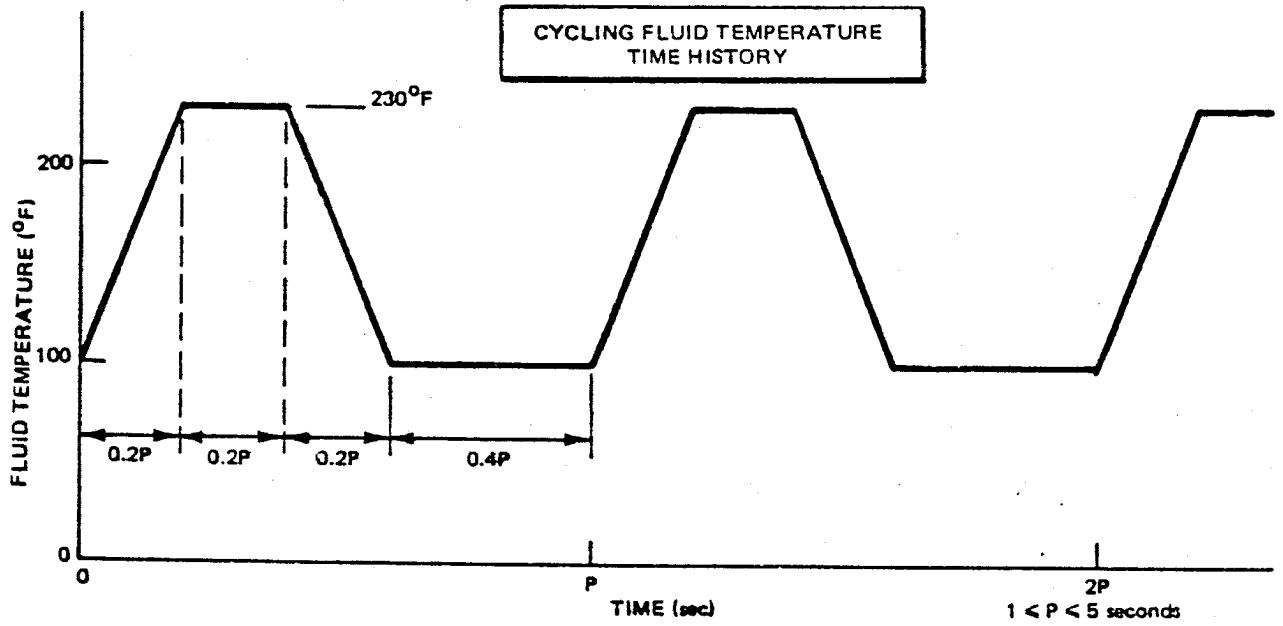
**CLINTON POWER STATION**  
**UPDATED SAFETY ANALYSIS REPORT**  
 FIGURE A3.8-37  
 SUPPRESSION POOL CHUGGING  
 NORMALIZED POST CHUG  
 OSCILLATIONS ATTENUATION





CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

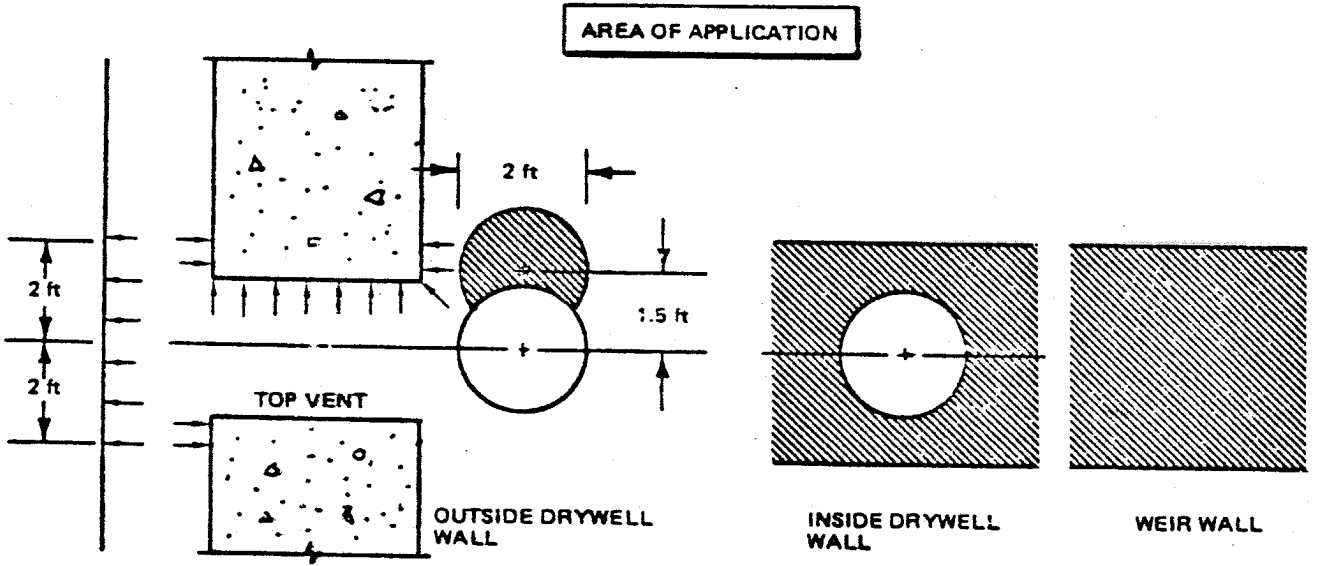
FIGURE A3.8-37A  
SUPPRESSION POOL CHUGGING  
NORMALIZED POST MEAN  
UNDERPRESSURE ATTENUATION



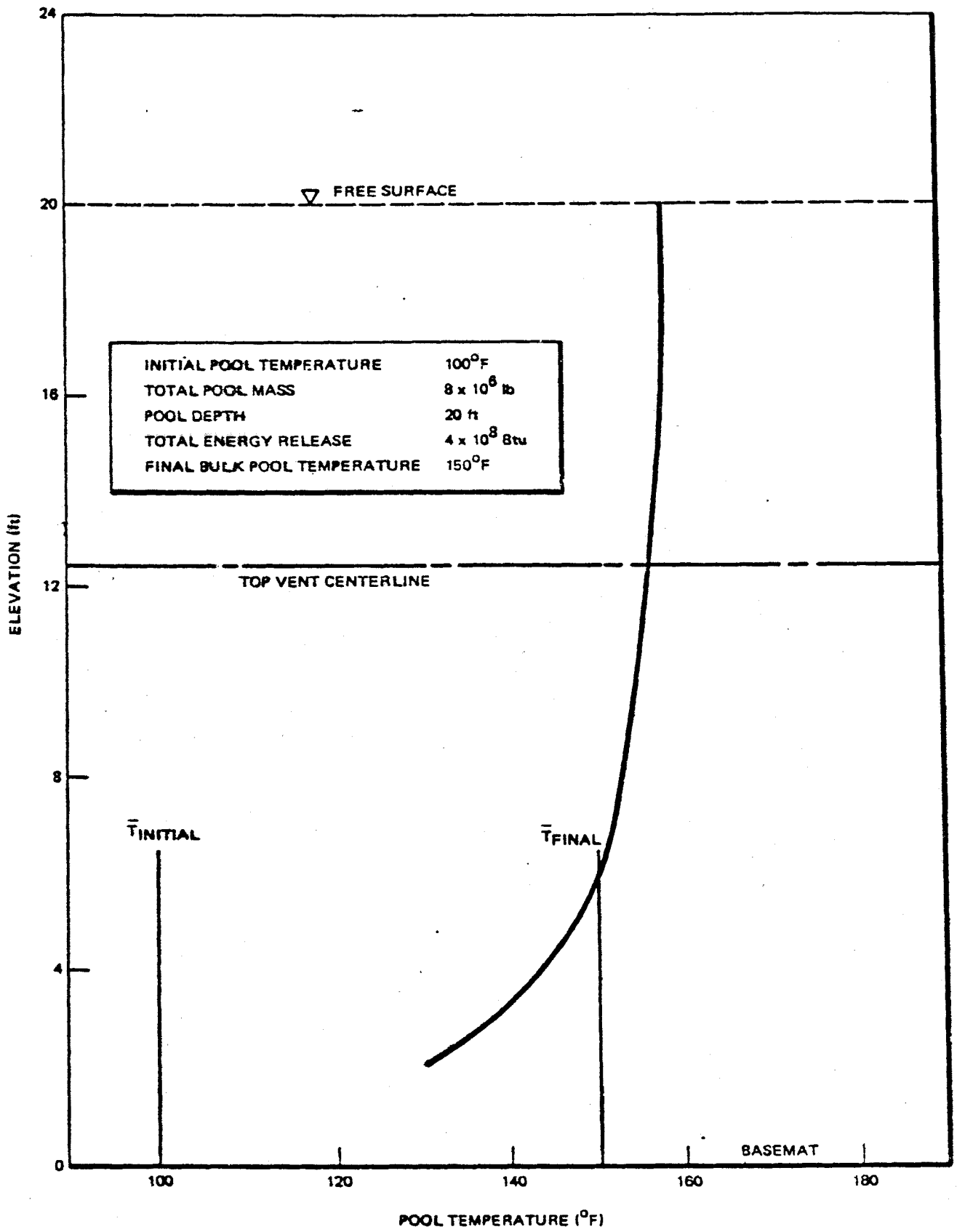
**CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT**

FIGURE A3.8-38

DRYWELL TOP VENT CYCLIC TEMPERATURE  
PROFILE AND AREA OF APPLICATION  
DURING CHUGGING



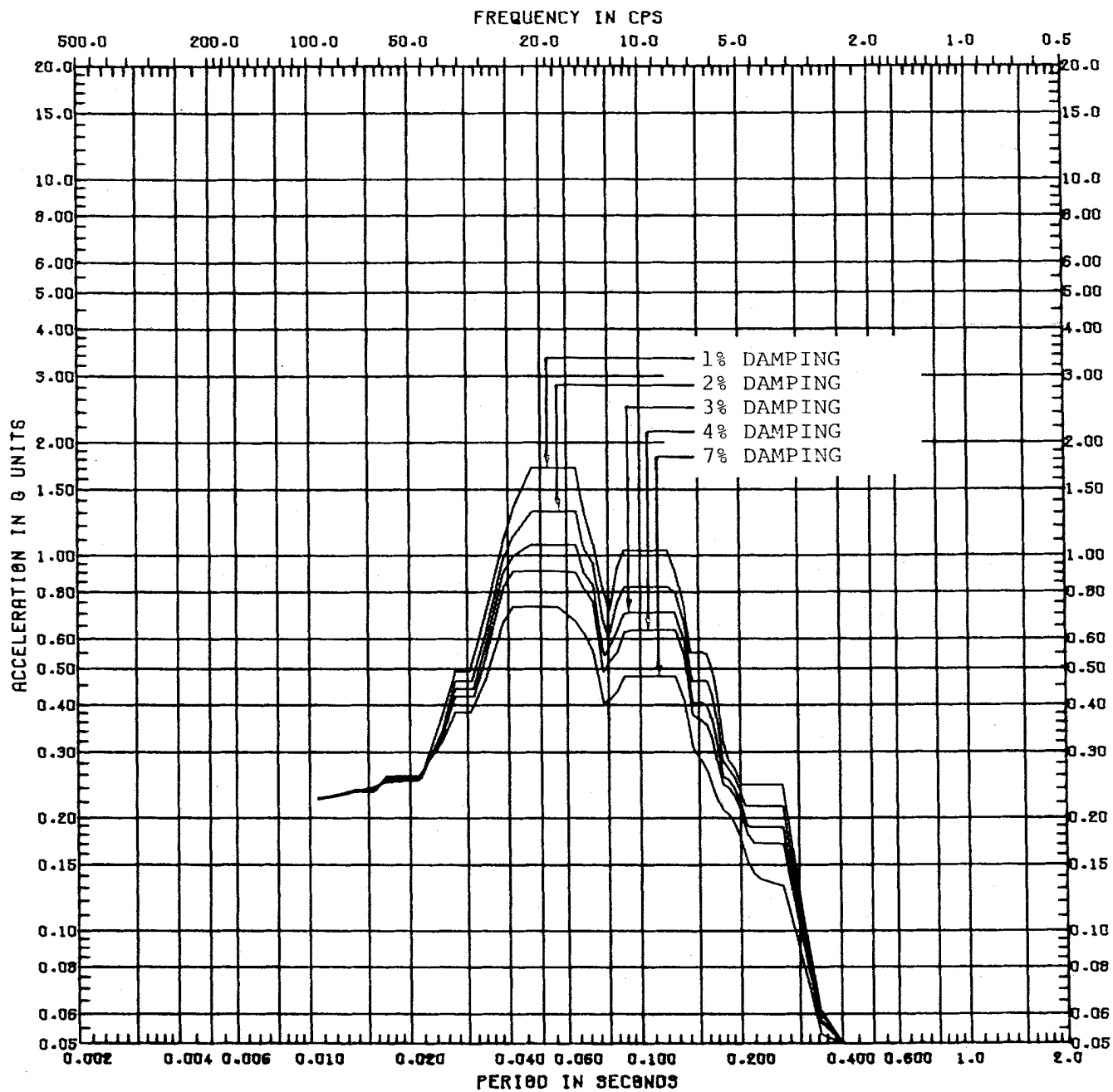
CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT  
 FIGURE A3.8-39  
 DRYWELL TOP VENT CYCLIC TEMPERATURE  
 PROFILE DURING CHUGGING



CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-40

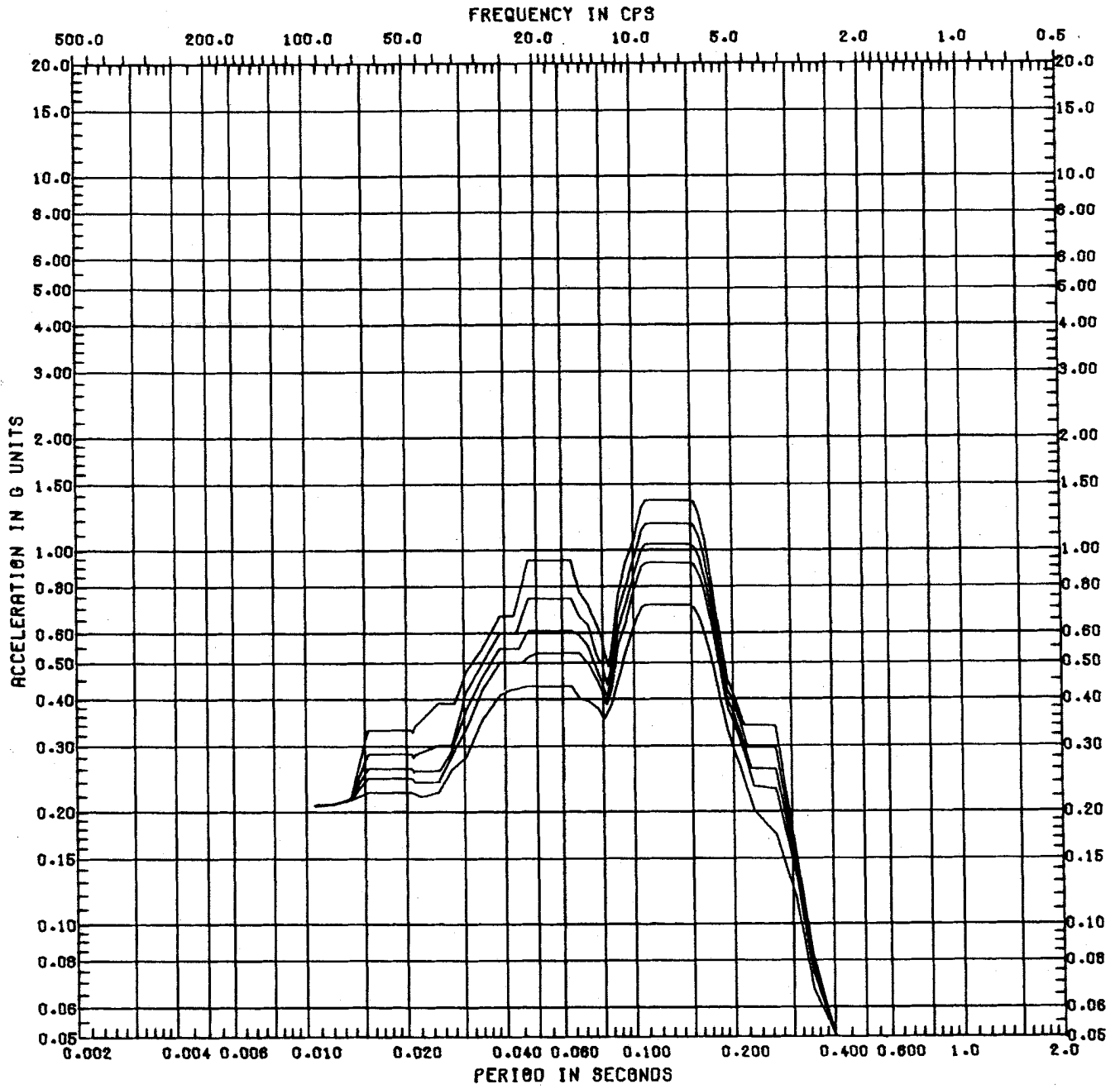
SUPPRESSION POOL TEMPERATURE  
 PROFILE FOR LARGE BREAKS



CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

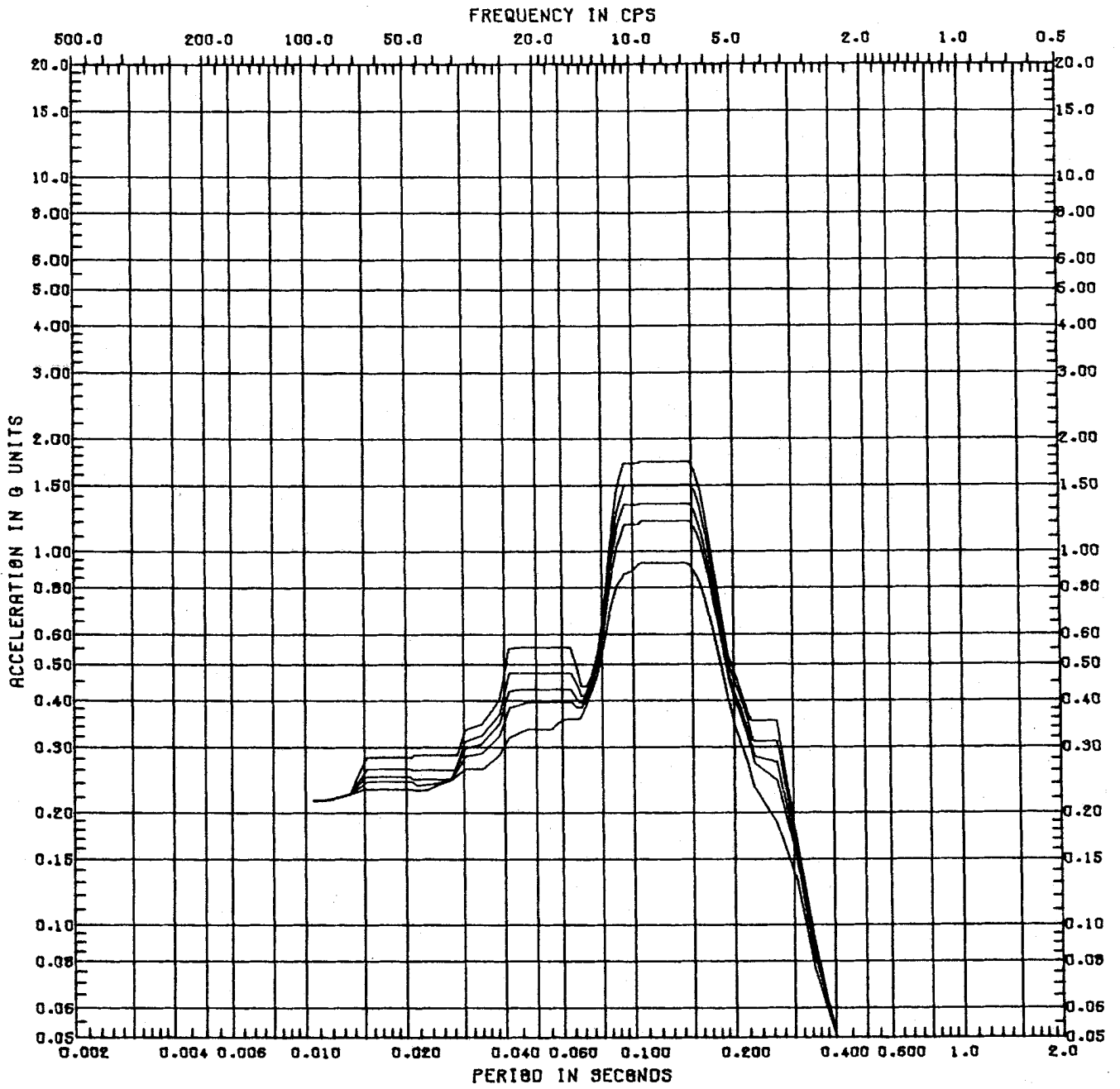
FIGURE A3.8-41

SRV QUENCHER ALL VALVE  
 VERTICAL RESPONSE SPECTRA  
 FOR CONTAINMENT WALL,  
 ELEVATION 712'-0"



CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

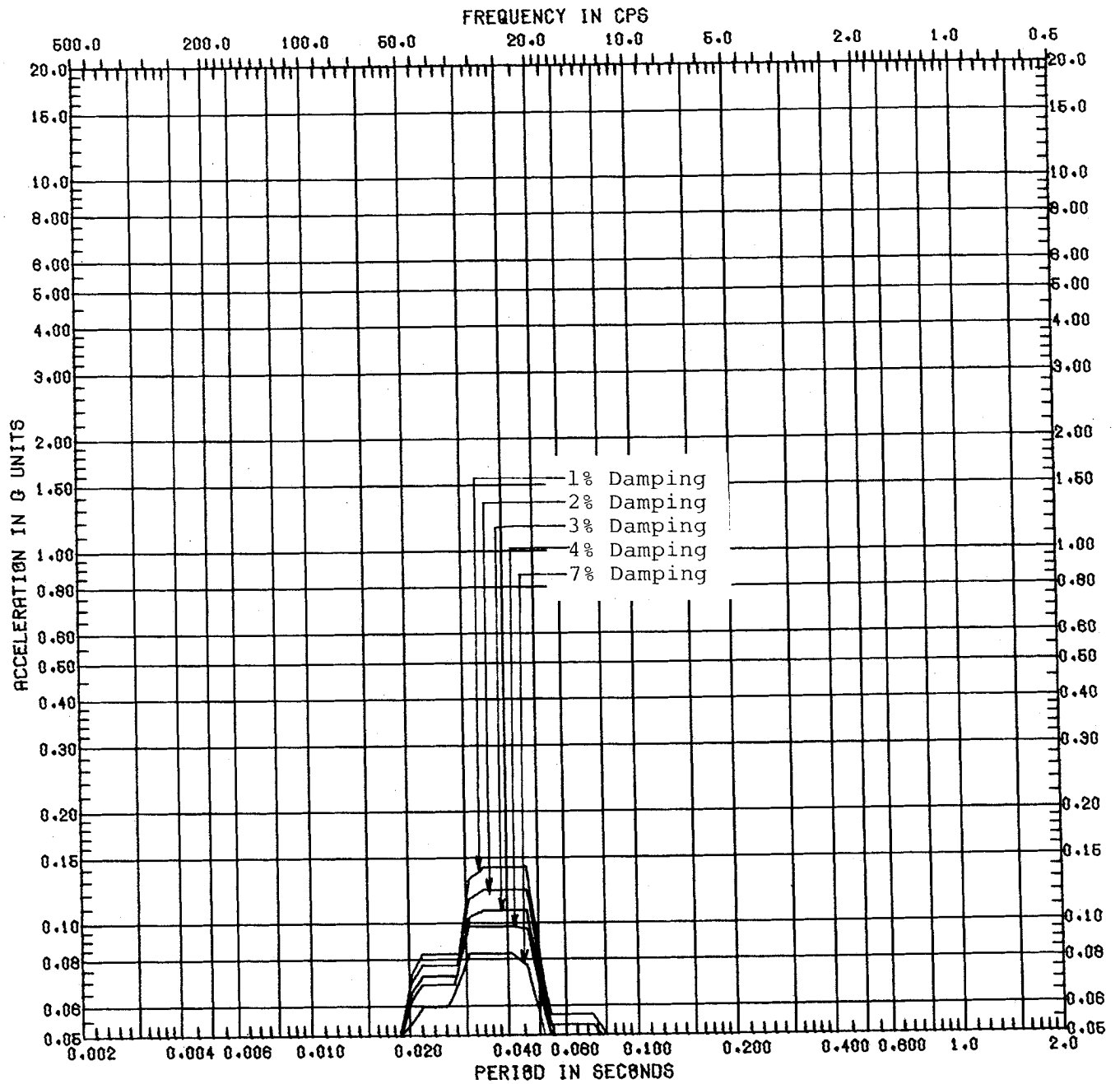
FIGURE A3.8-42  
 SRV QUENCHER ALL VALVE  
 VERTICAL RESPONSE SPECTRA  
 FOR DRYWELL WALL,  
 ELEVATION 712'-0"



CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

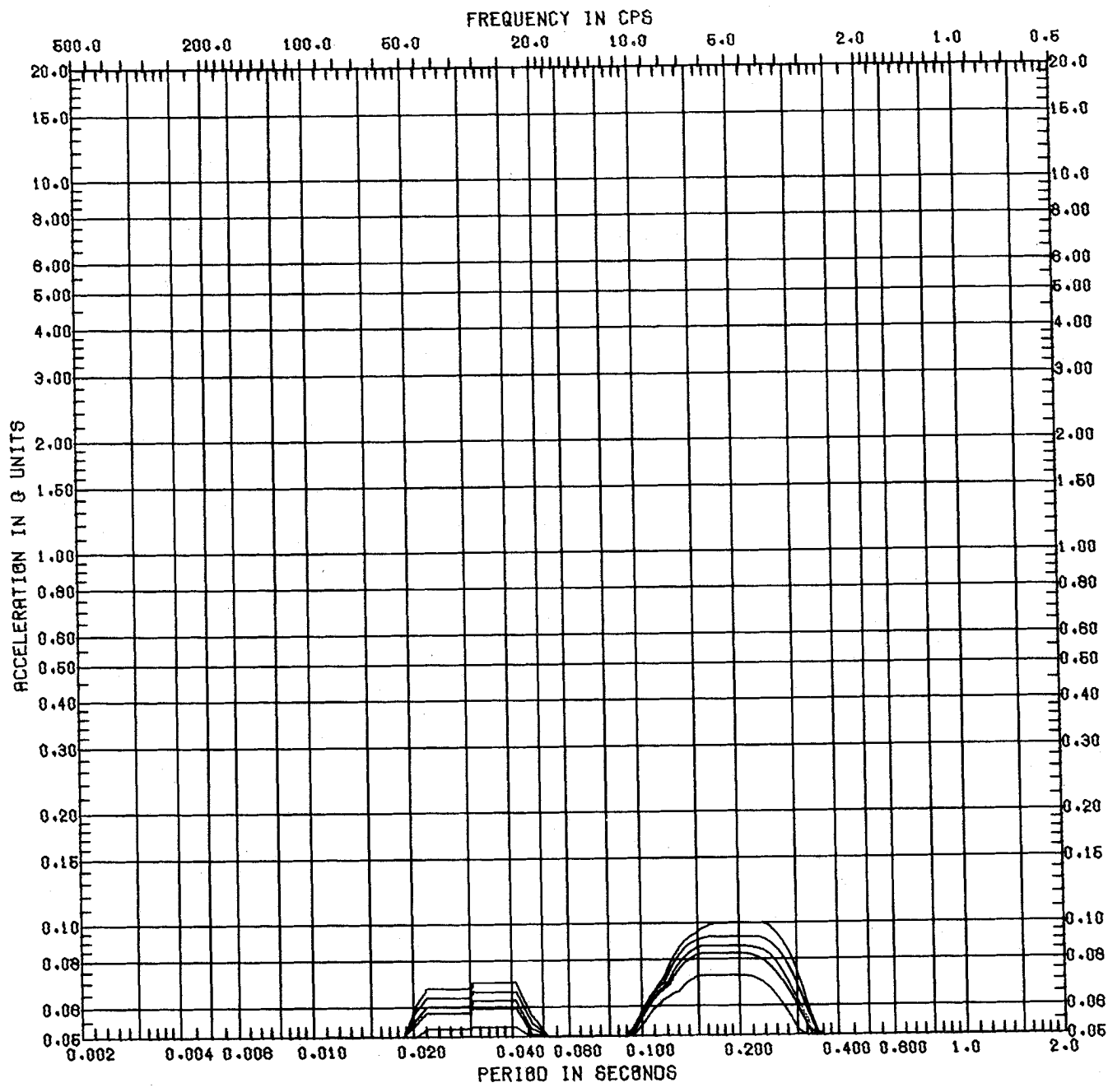
FIGURE A3.8-43

SRV QUENCHER ALL VALVE  
 VERTICAL RESPONSE SPECTRA  
 FOR PEDESTAL, ELEVATION 724'-1 3/4"



**CLINTON POWER STATION**  
**UPDATED SAFETY ANALYSIS REPORT**  
 FIGURE A3.8-44  
 LOCA BUBBLE HORIZONTAL RESPONSE SPECTRA  
 FOR CONTAINMENT WALL  
 ELEVATION 712'-0"

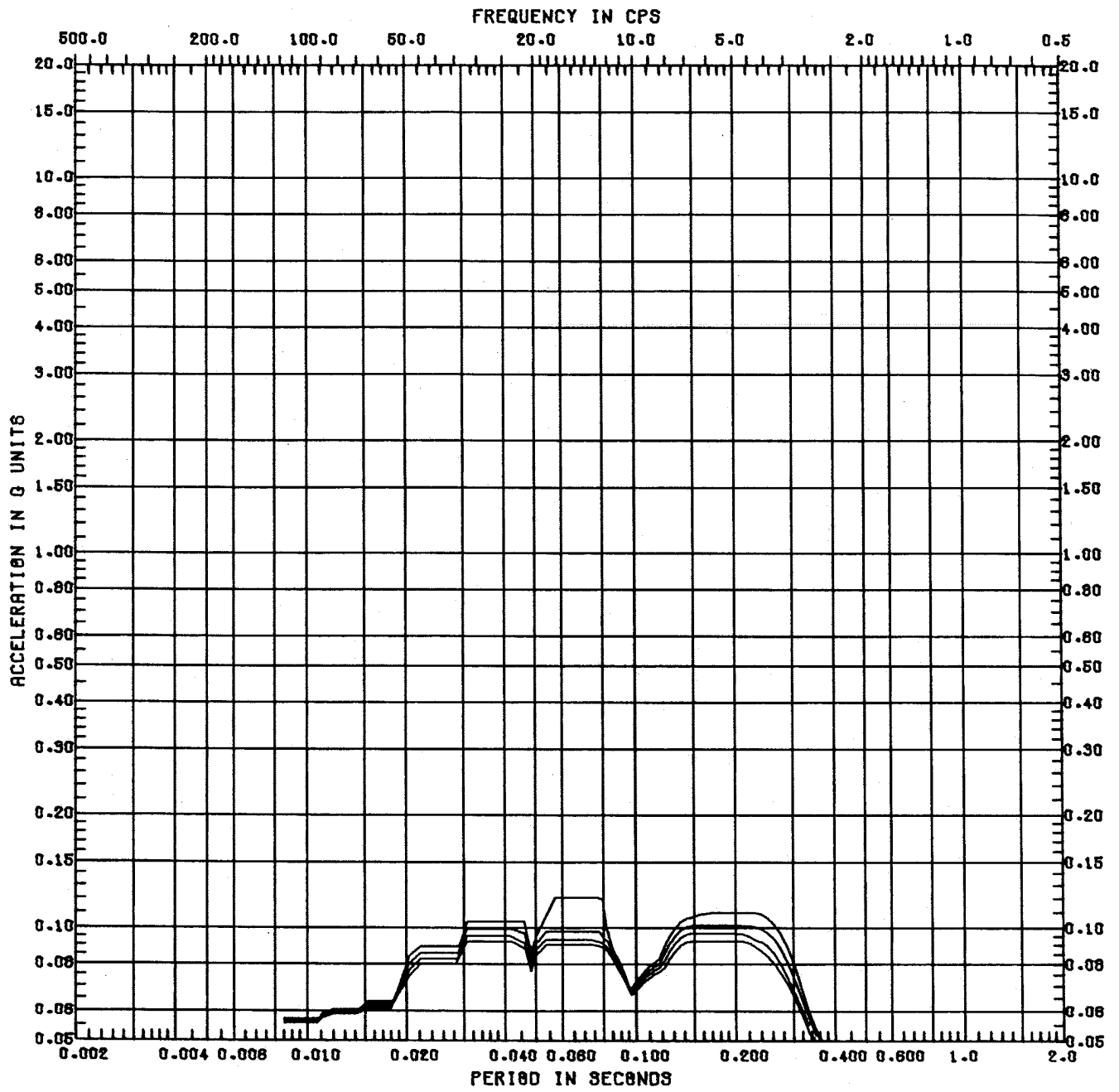




CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-45

LOCA BUBBLE VERTICAL RESPONSE SPECTRA  
 FOR DRYWELL WALL  
 ELEVATION 712'-0"

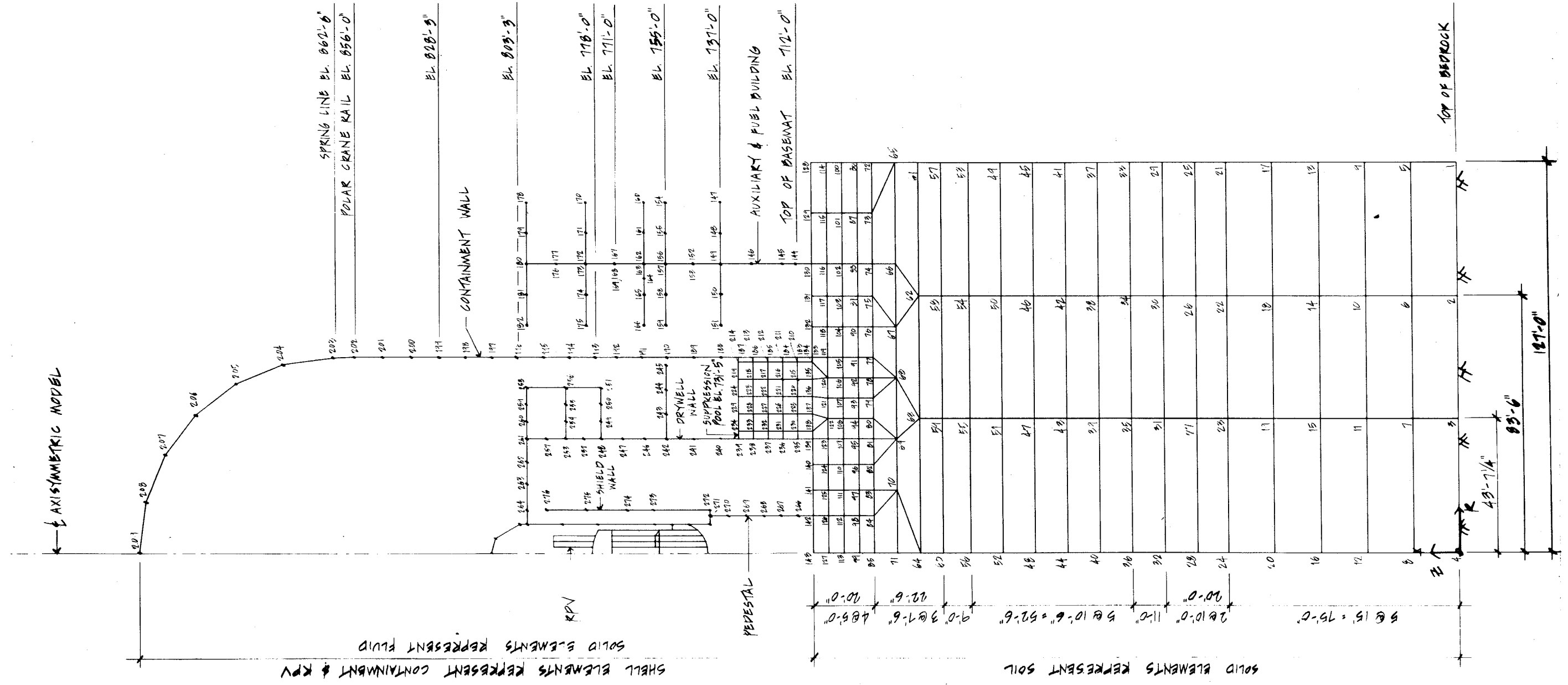


CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

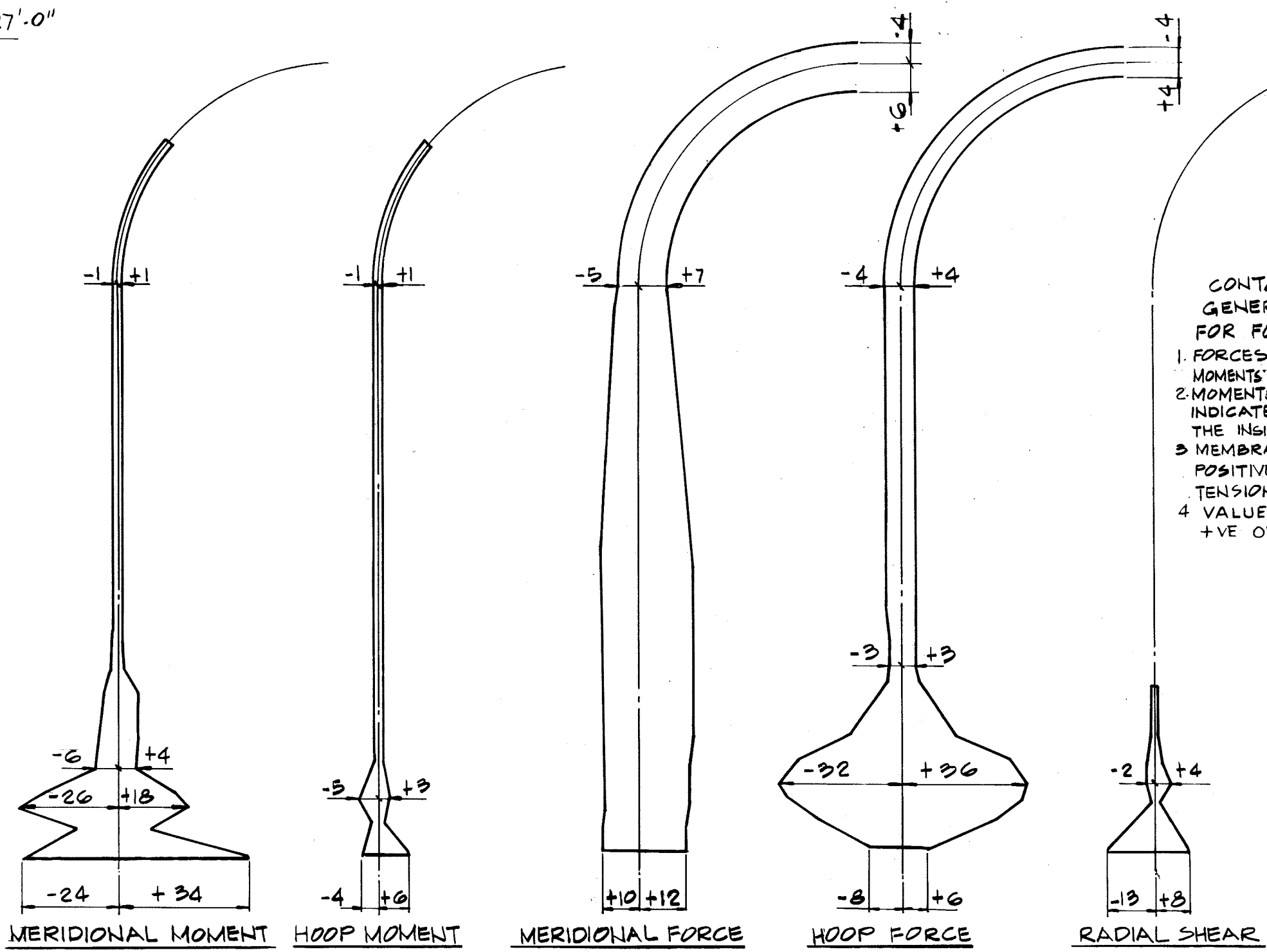
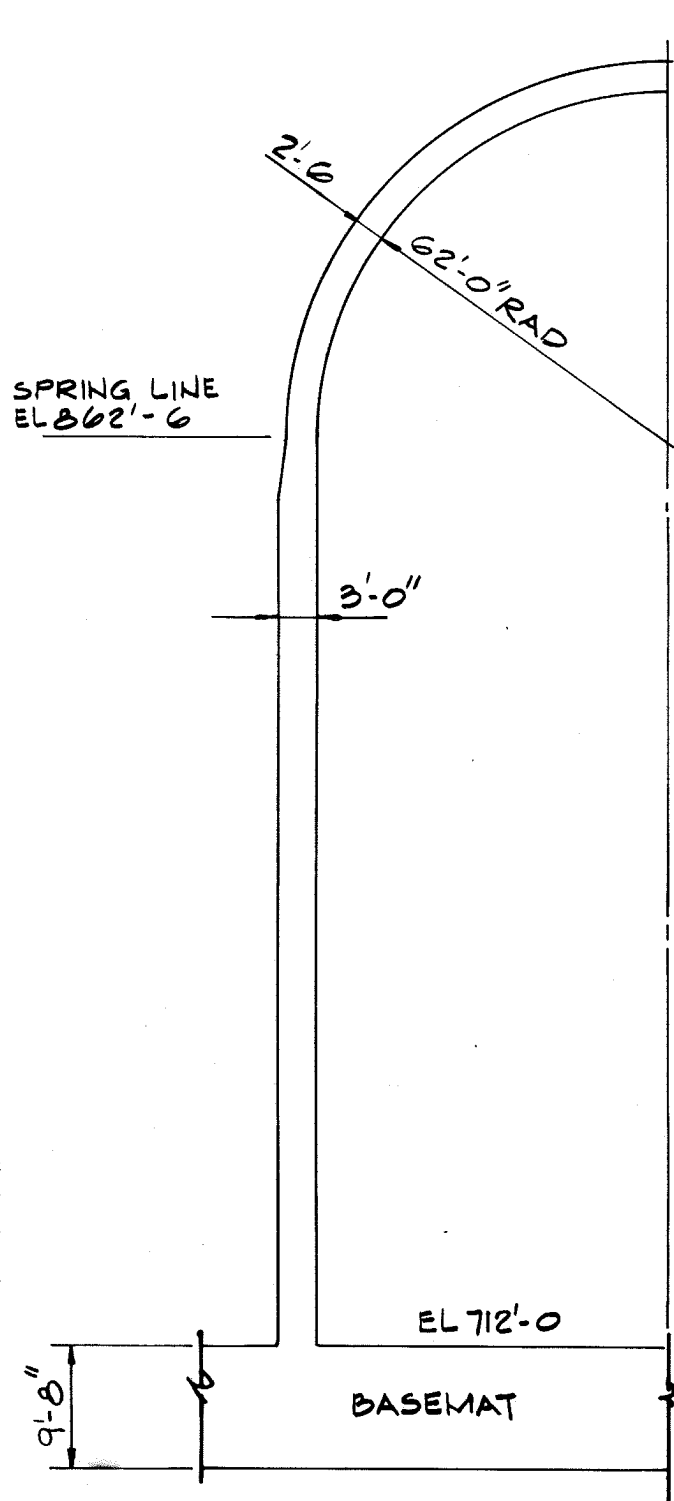
FIGURE A3.8-46

LOCA BUBBLE VERTICAL RESPONSE SPECTRA  
 FOR RPV, ELEVATION 753'-3 3/8"

FIGURE A3.8-47  
HAS BEEN DELETED



**CLINTON POWER STATION**  
**UPDATED SAFETY ANALYSIS REPORT**  
 FIGURE A3.8-48  
 FINITE ELEMENT MODEL  
 (USED FOR QUENCHER AND LOCA ANALYSIS)



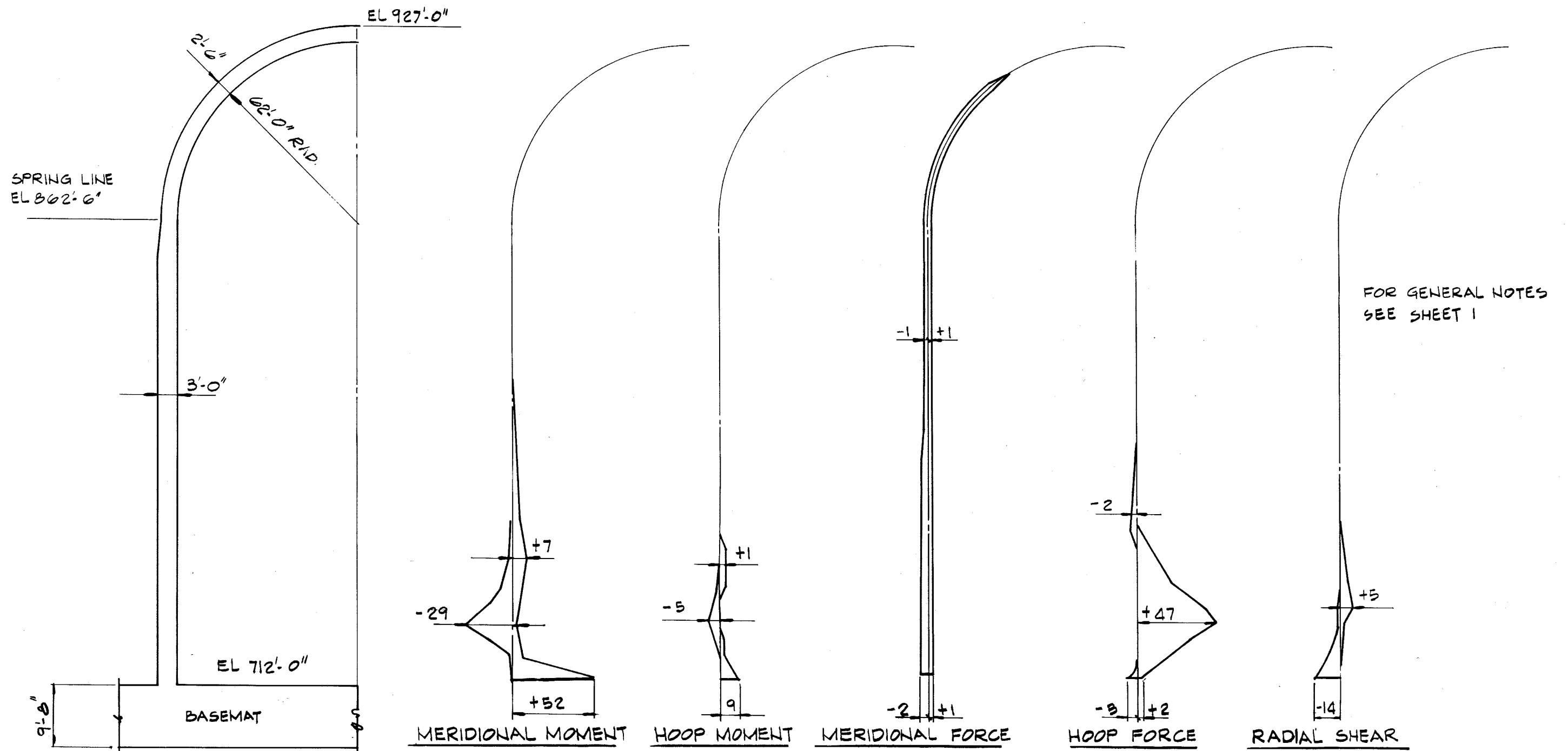
**CONTAINMENT  
GENERAL NOTES  
FOR FORCE PLOTS**

1. FORCES: KIP/ FOOT
2. MOMENTS: FOOT-KIPS/ FOOT
3. MEMBRANE FORCES, IF POSITIVE, INDICATE TENSION ON THE INSIDE FACE
4. VALUES ARE MAX. +VE OR -VE

CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.8-1

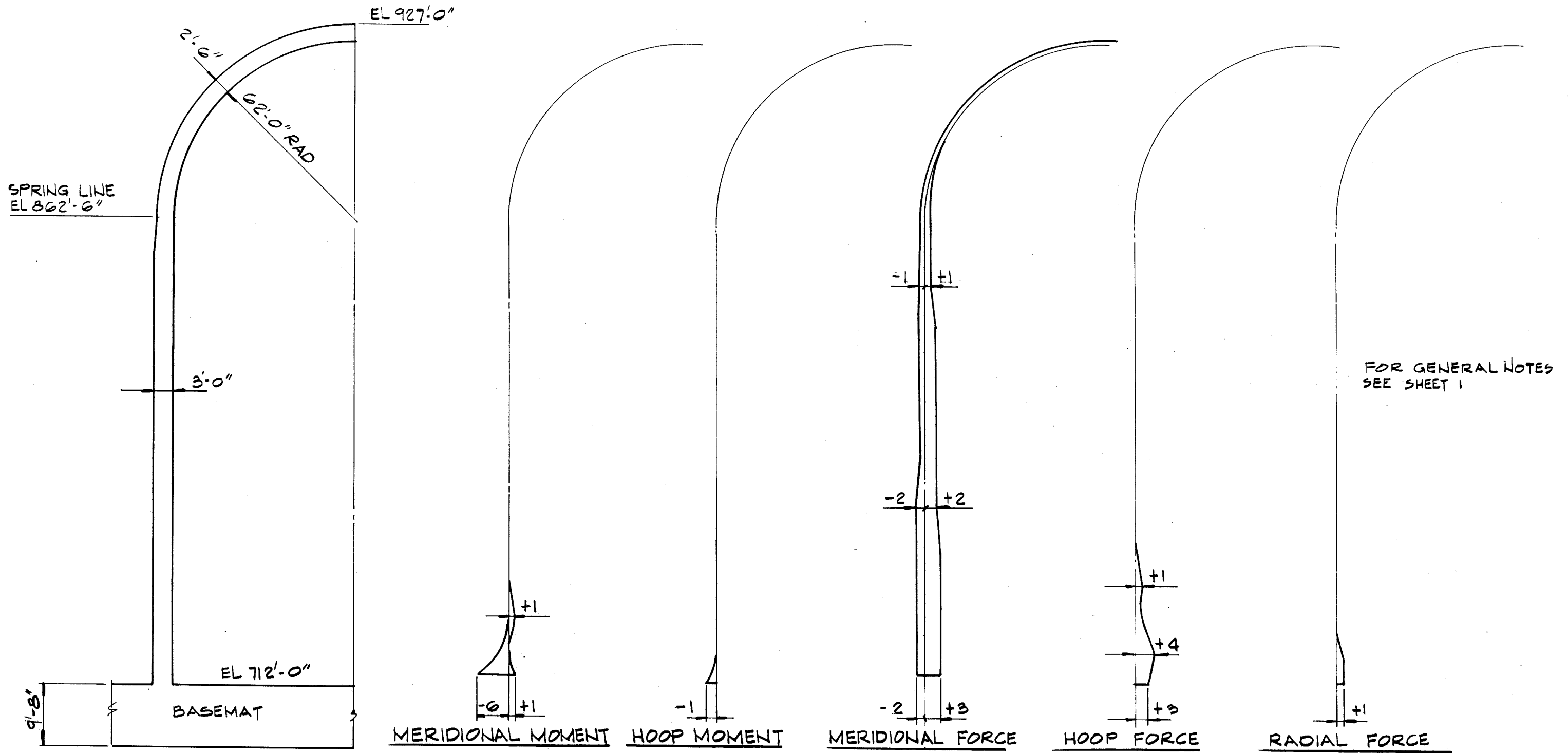
FORCE PLOTS CONTAINMENT  
WALL SRV - ALL VALVE



CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.8-2

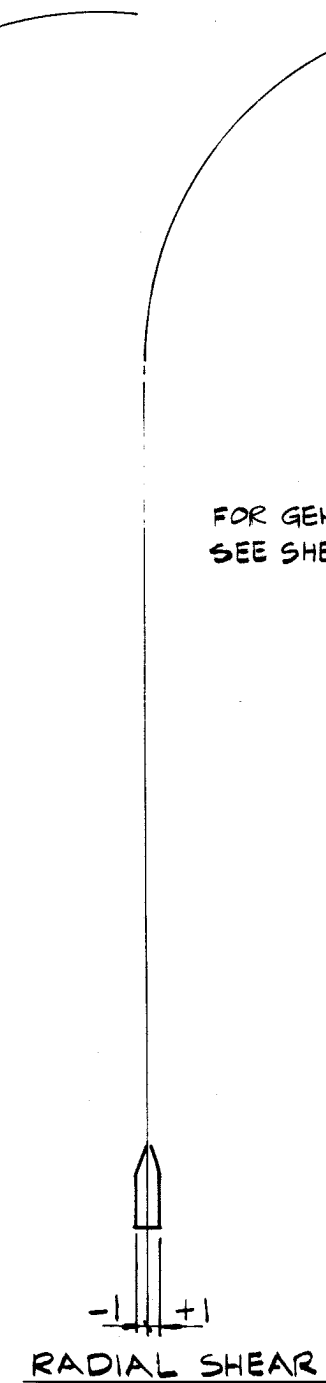
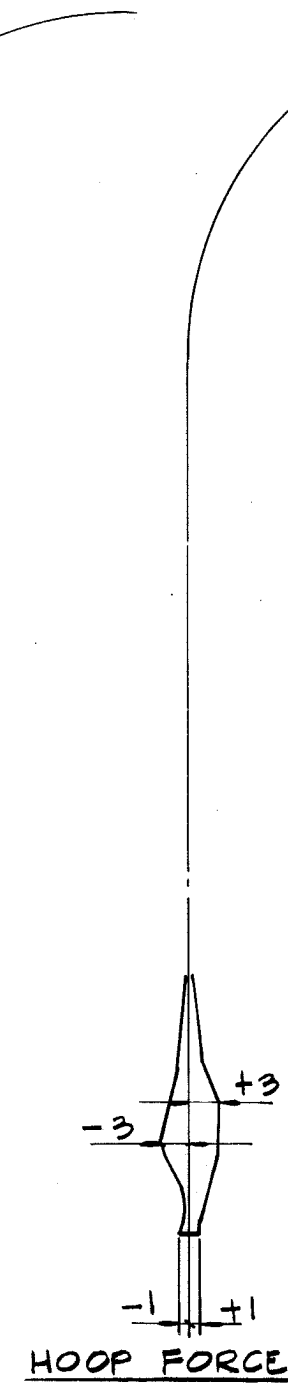
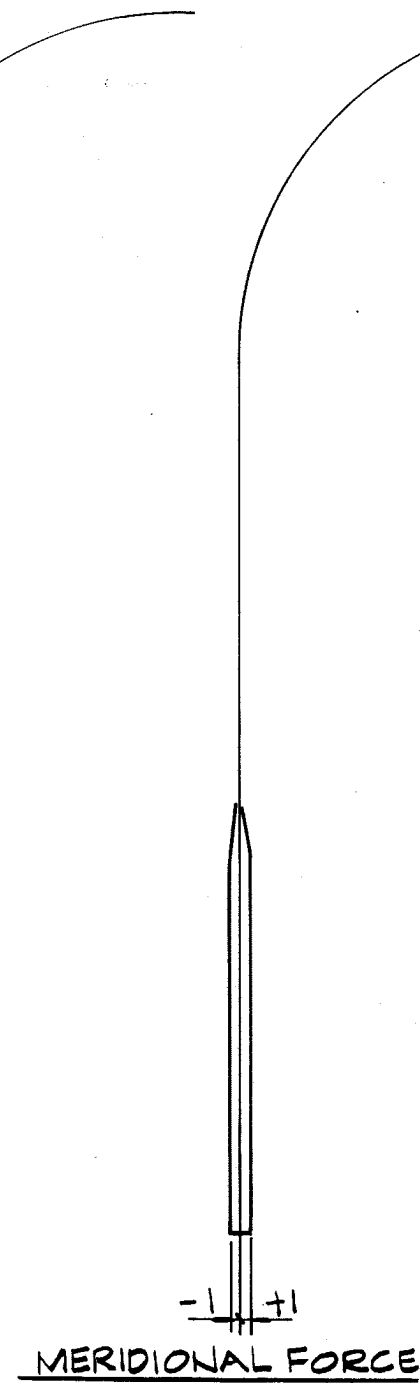
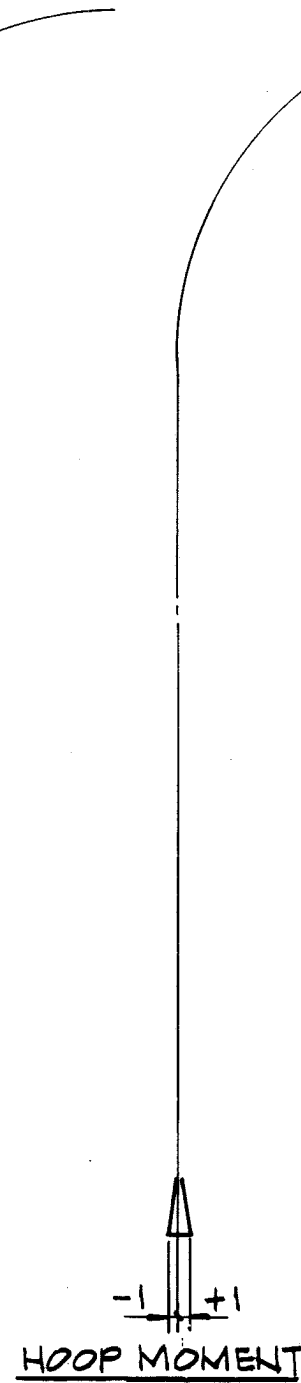
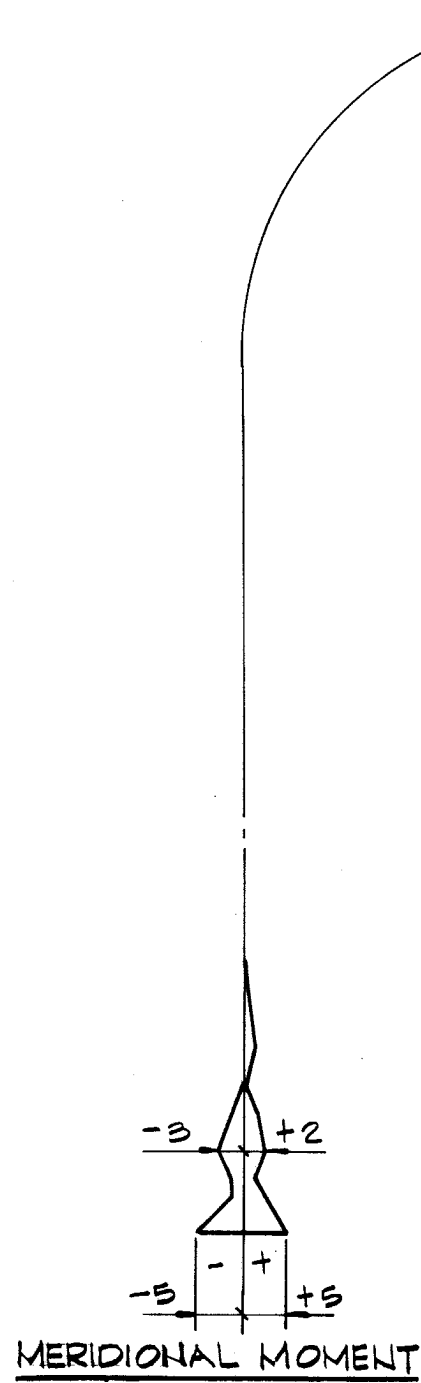
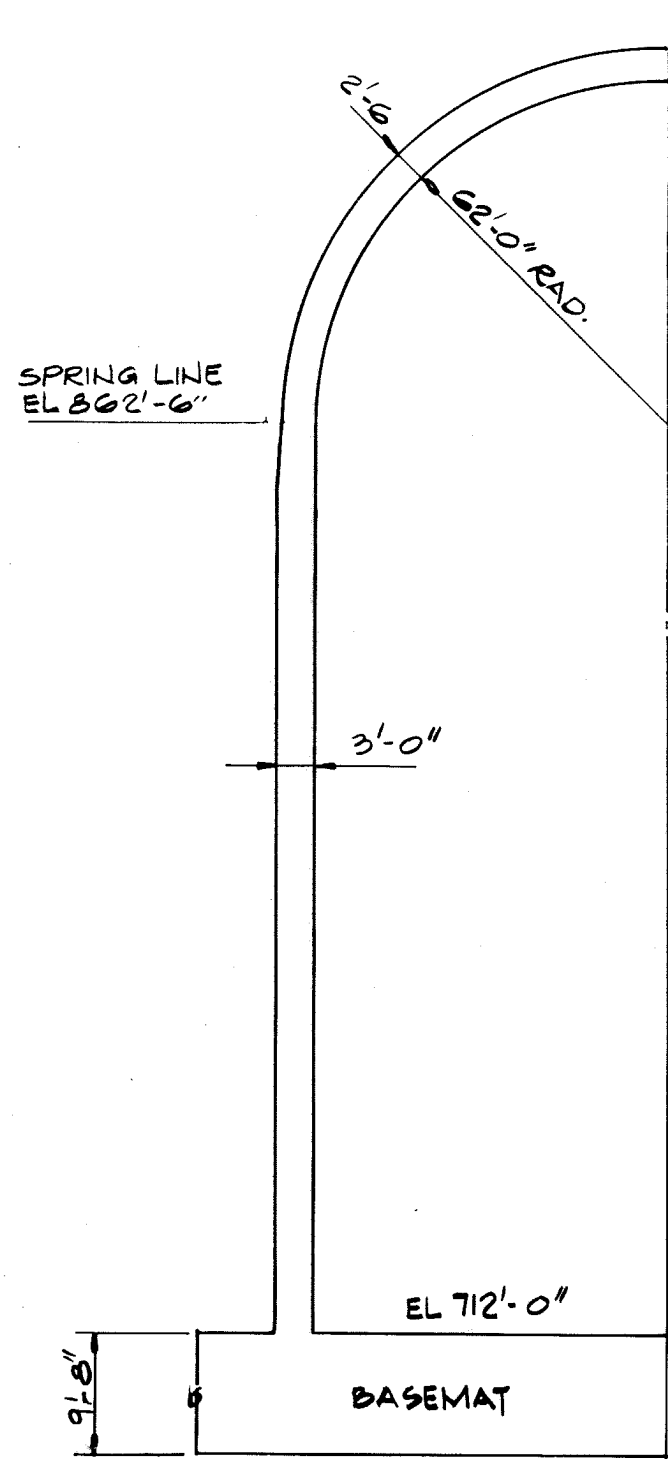
FORCE PLOTS CONTAINMENT  
 WALL - LOCA BUBBLE



CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.8-3

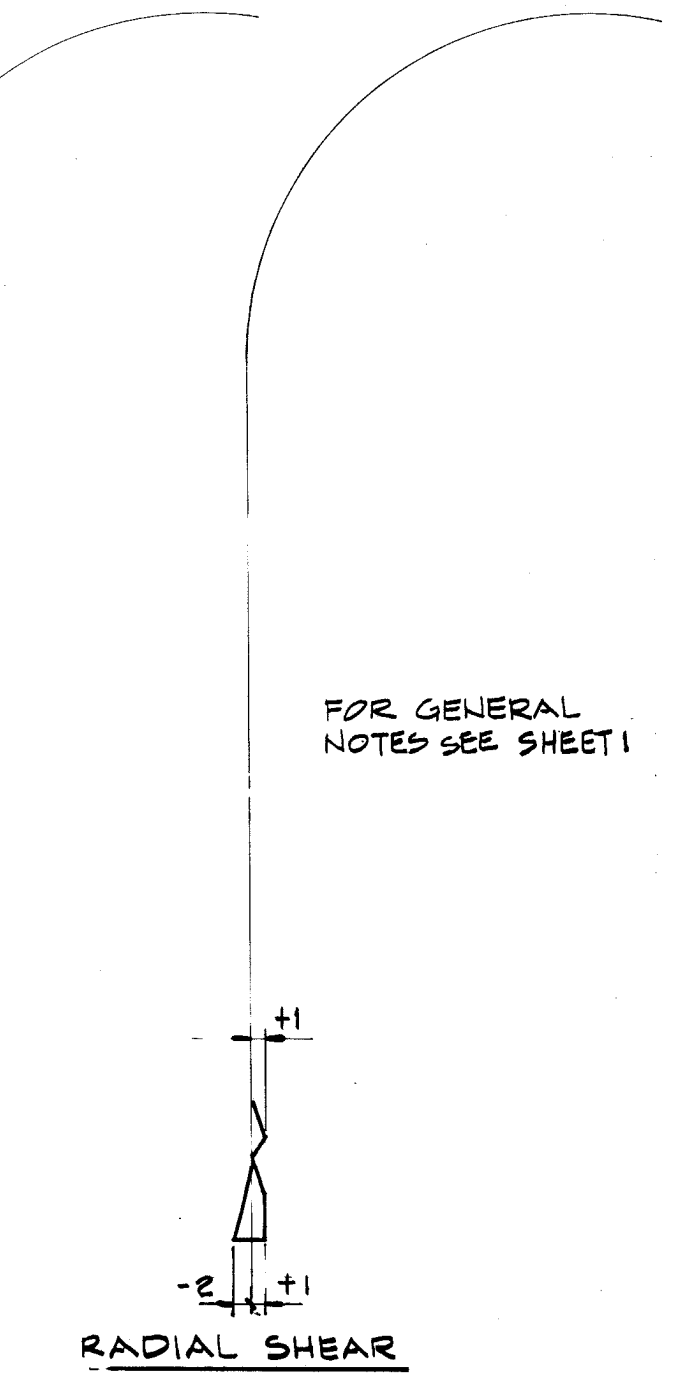
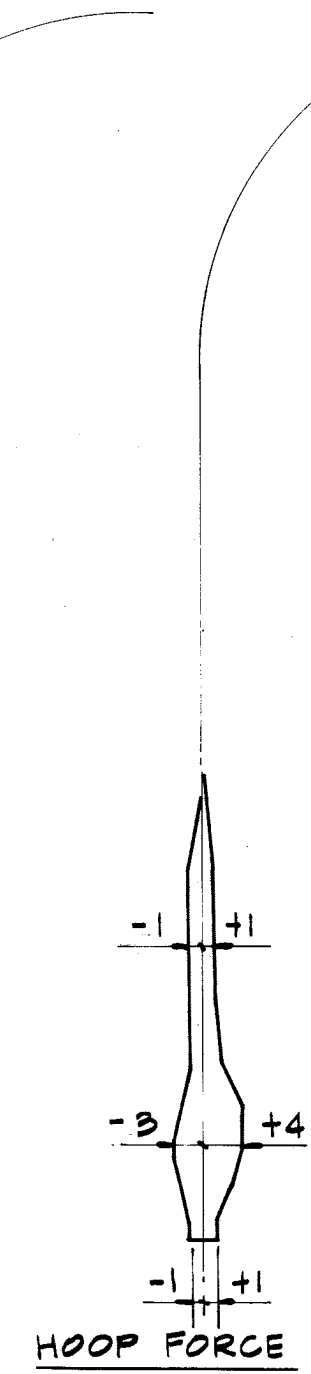
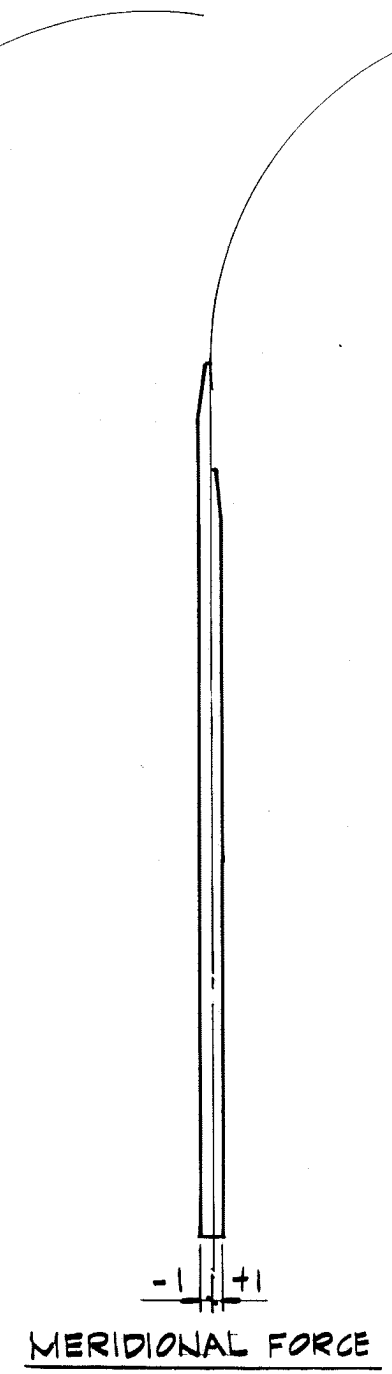
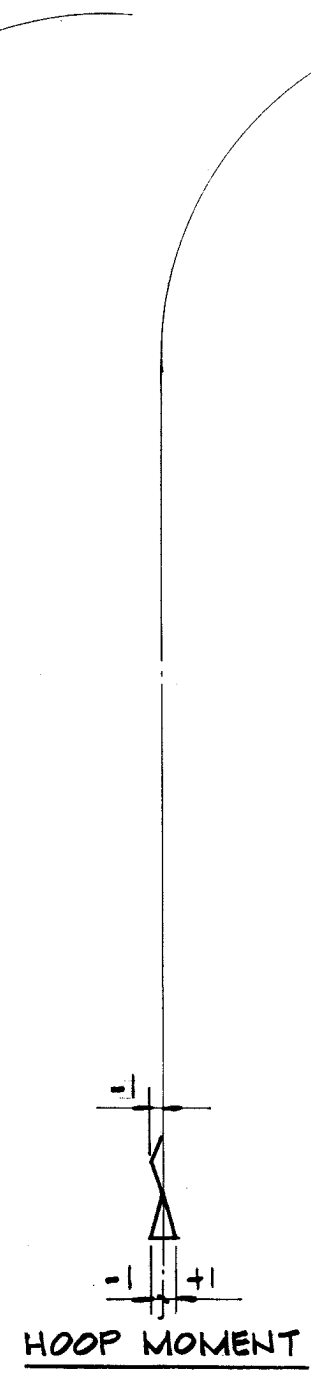
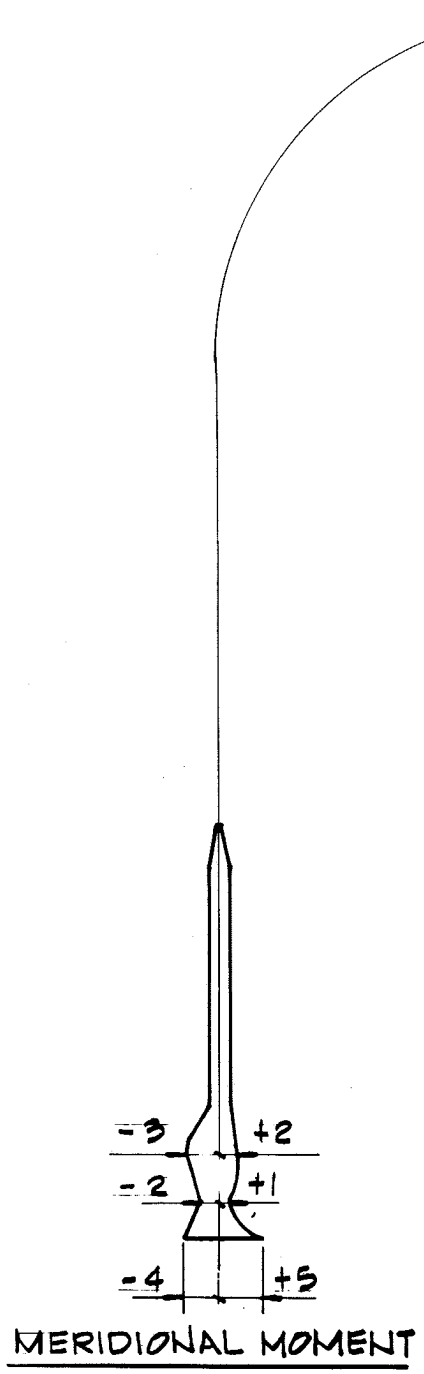
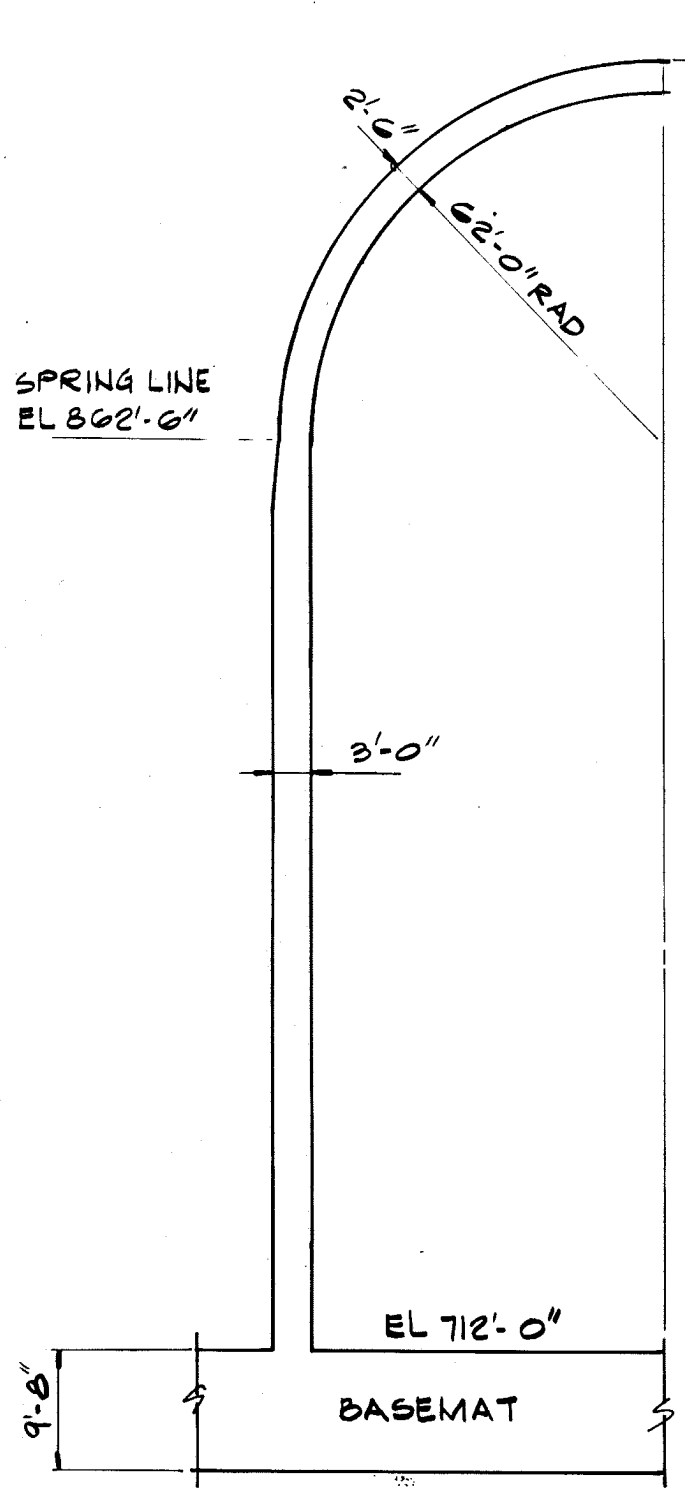
FORCE PLOTS CONTAINMENT  
 WALL - LOCA - FROTH IMPINGEMENT



FOR GENERAL NOTES  
SEE SHEET 1

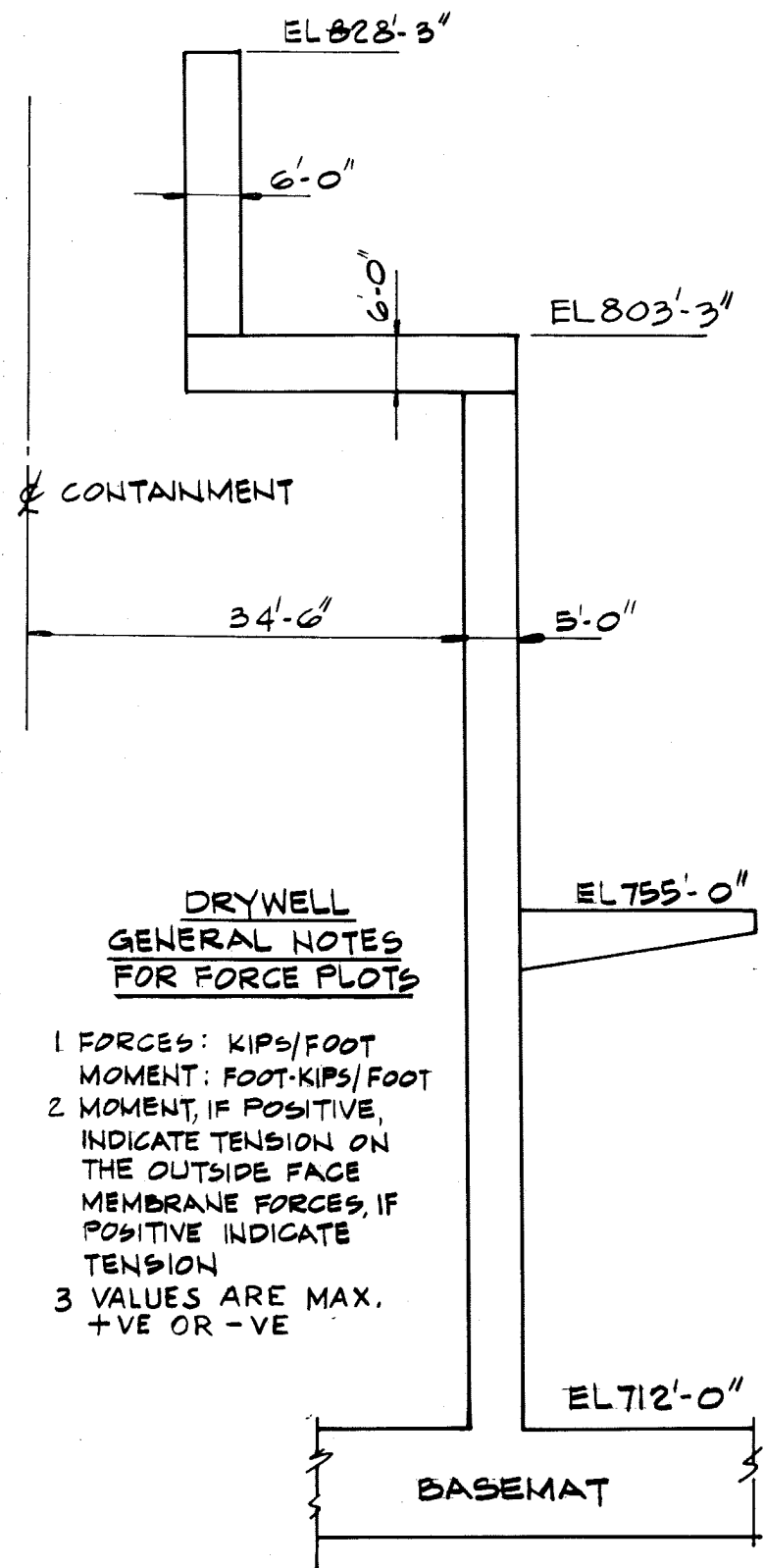
CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT  
 FIGURE B3.8-4  
 FORCE PLOTS CONTAINMENT WALL -  
 LOCA - CONDENSATION OSCILLATION





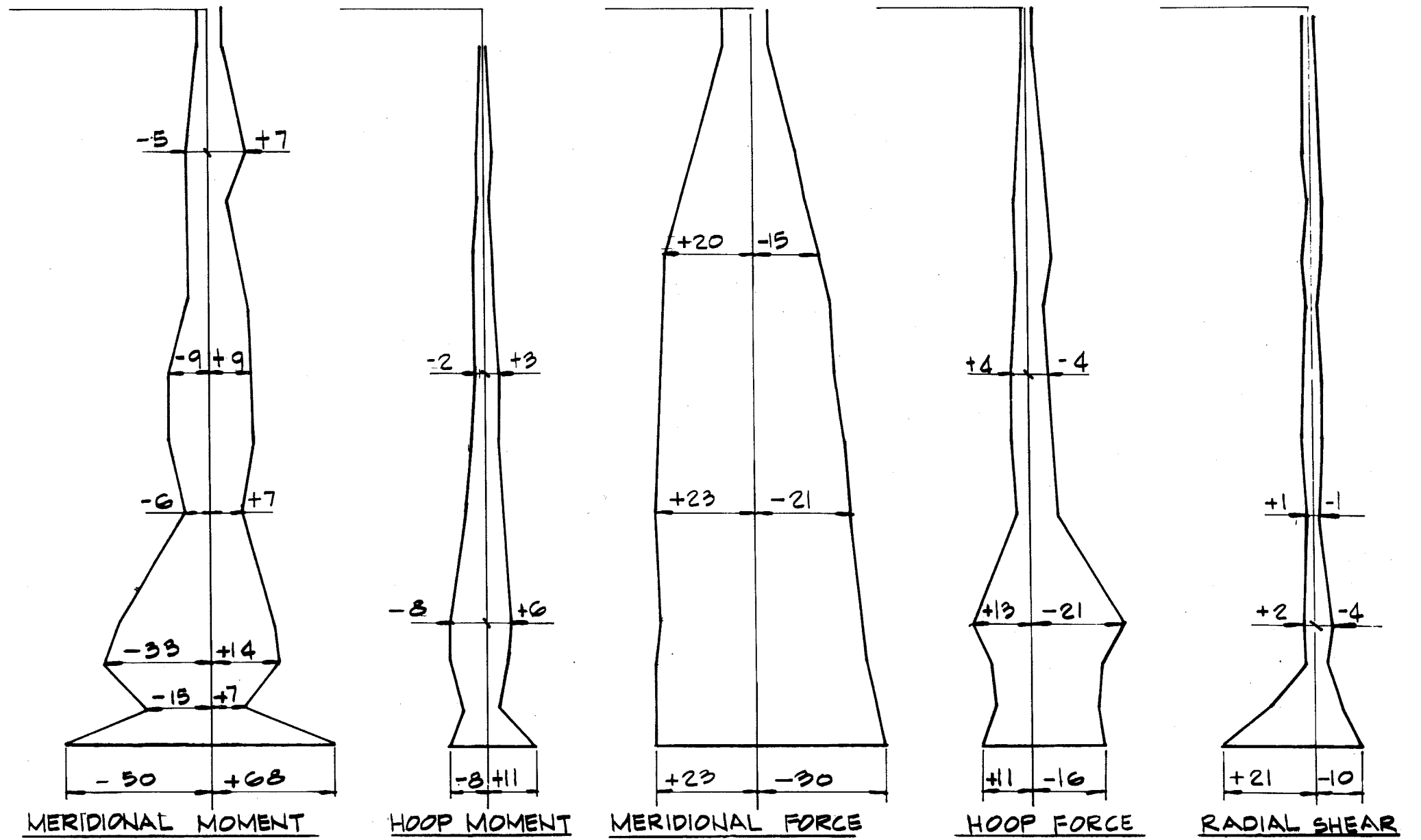
FOR GENERAL NOTES SEE SHEET 1

CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT  
 FIGURE B3.8-5  
 FORCE PLOTS CONTAINMENT  
 WALL - LOCA CHUGGING



**DRYWELL  
GENERAL NOTES  
FOR FORCE PLOTS**

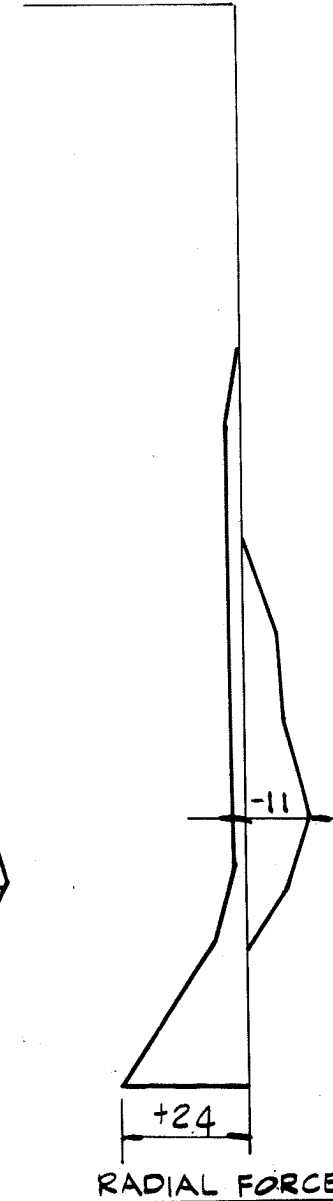
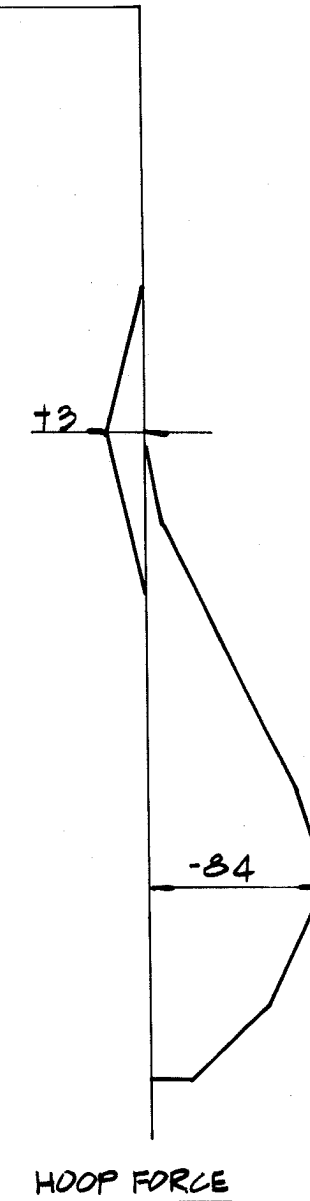
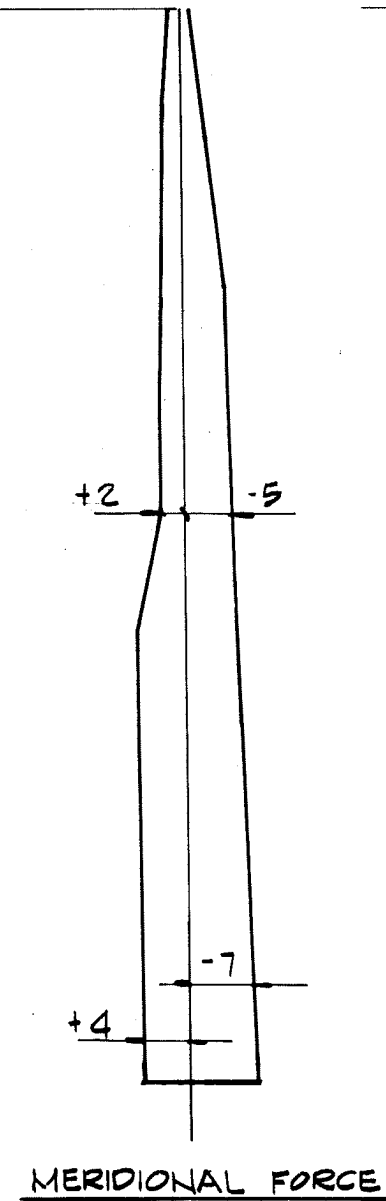
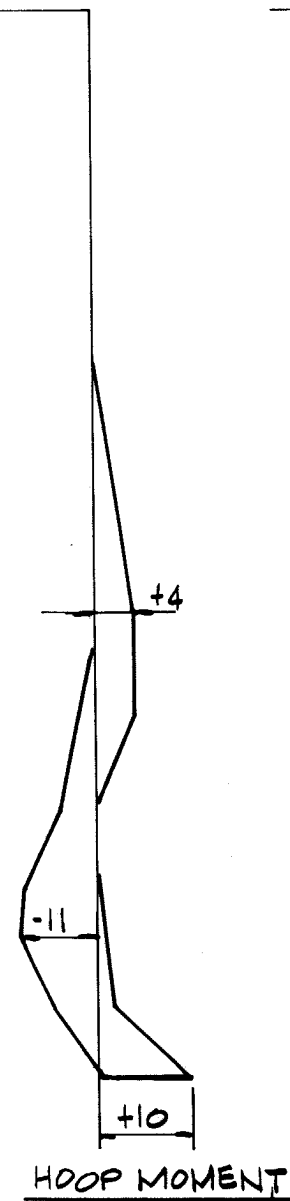
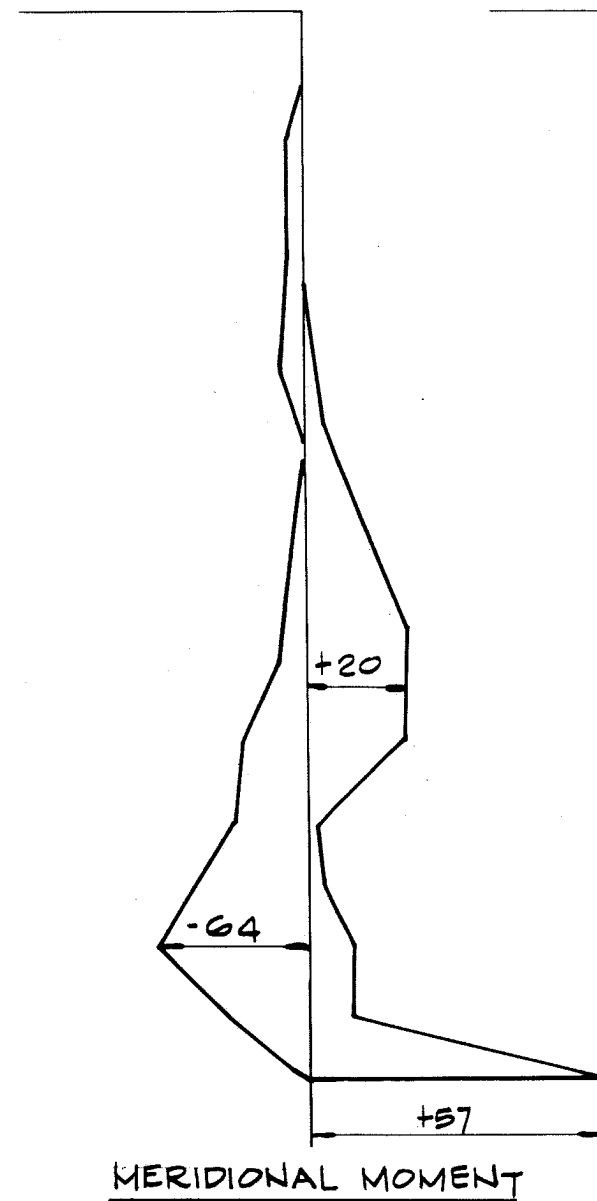
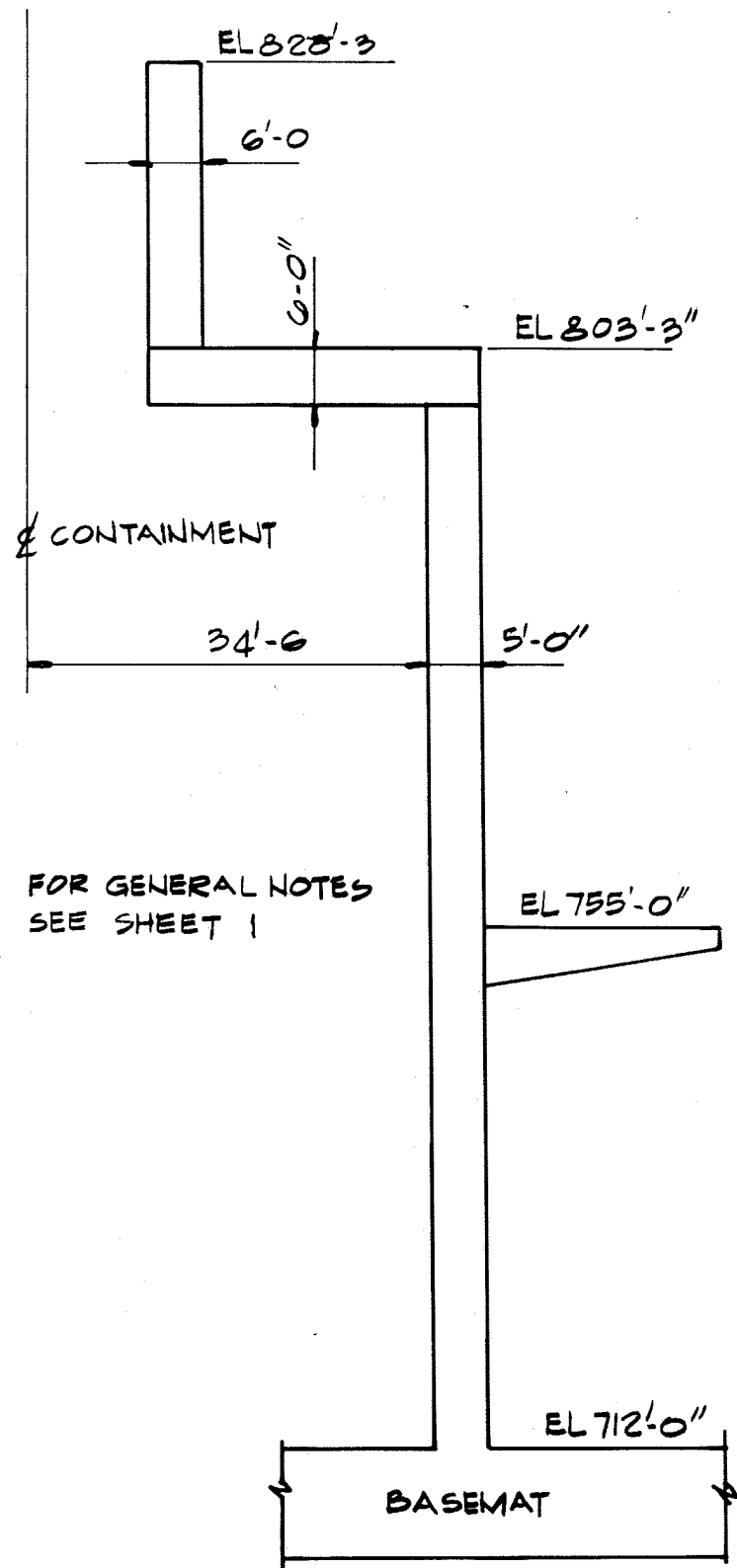
- 1 FORCES: KIPS/FOOT
- MOMENT: FOOT-KIPS/FOOT
- 2 MOMENT, IF POSITIVE, INDICATE TENSION ON THE OUTSIDE FACE
- MEMBRANE FORCES, IF POSITIVE INDICATE TENSION
- 3 VALUES ARE MAX. +VE OR -VE



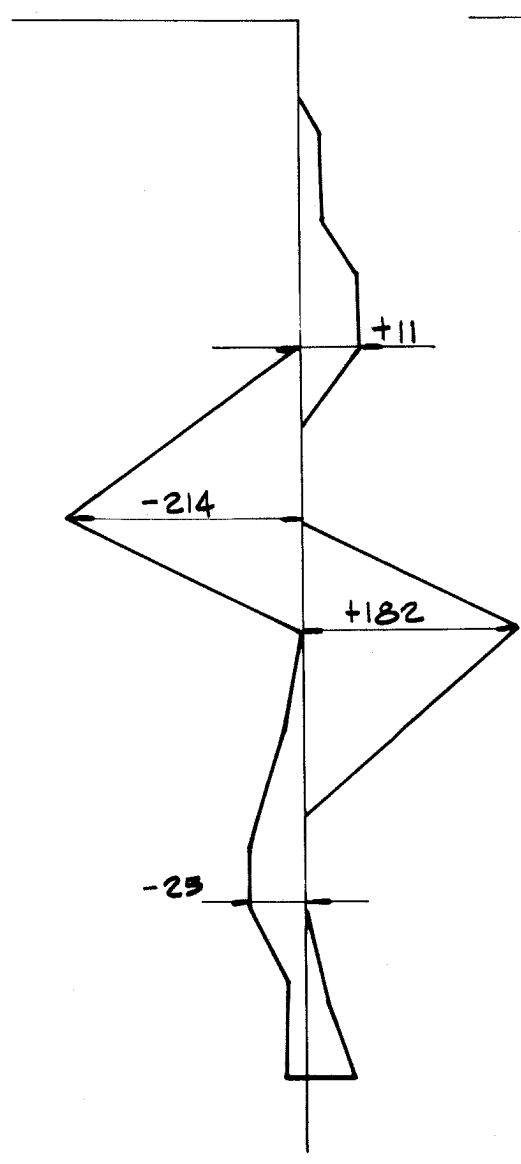
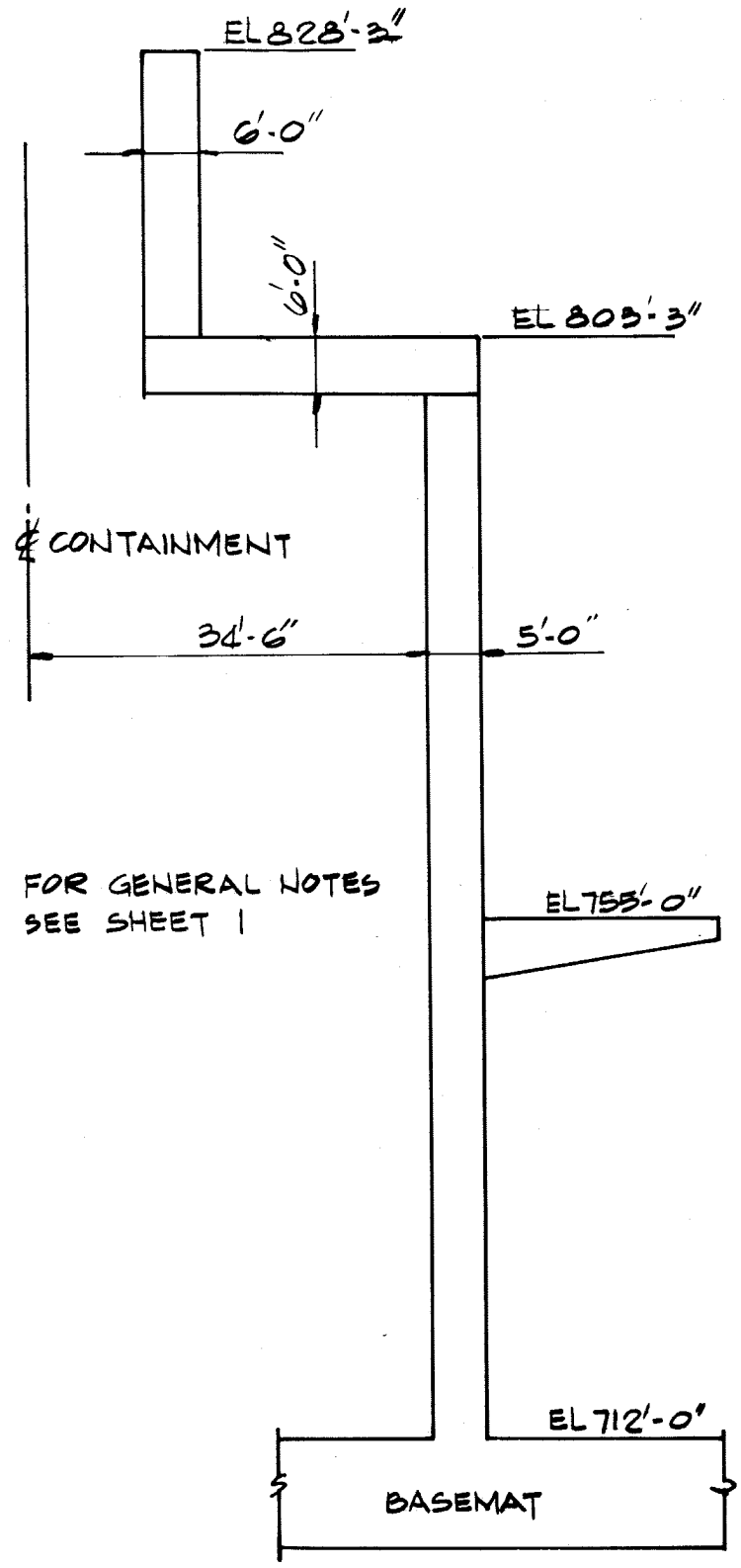
CLINTON POWER STATION  
UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.8-6

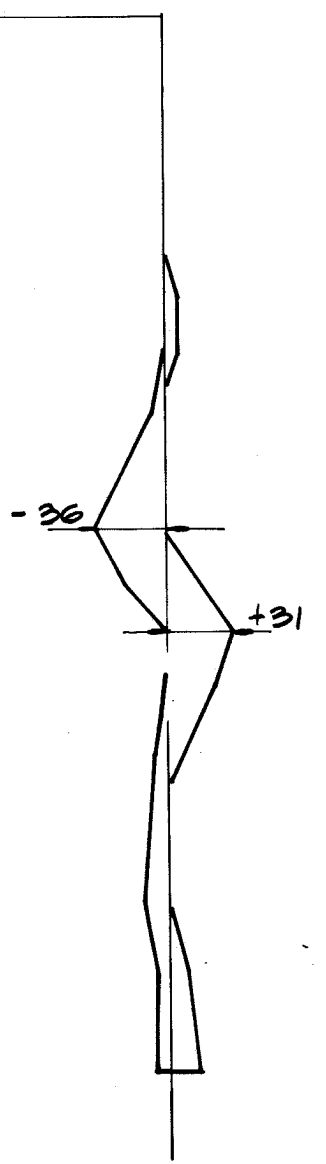
FORCE PLOTS DRYWELL SRV - ALL VALVE



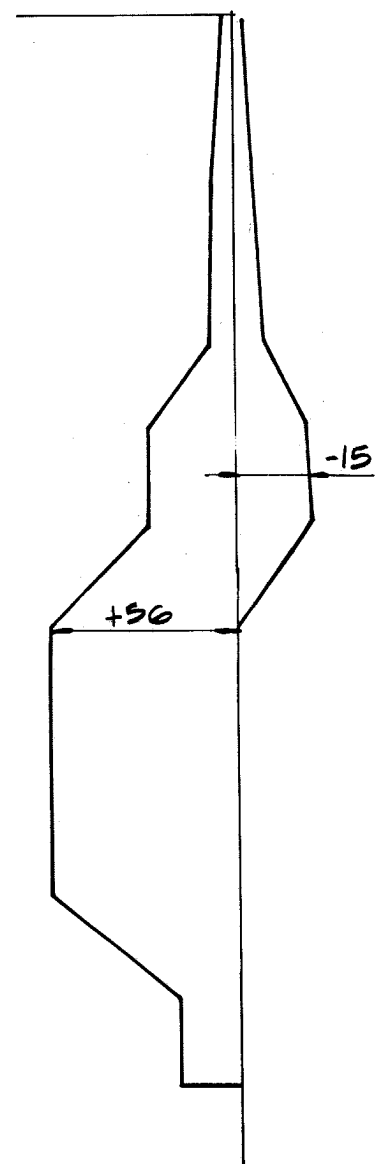
CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT  
 FIGURE B3.8-7  
 FORCE PLOTS DRYWELL LOCA BUBBLE



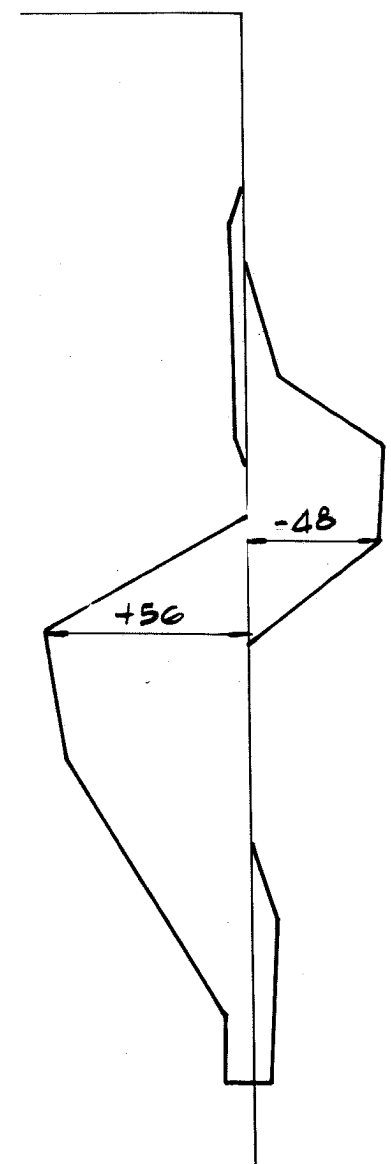
MERIDIONAL MOMENT



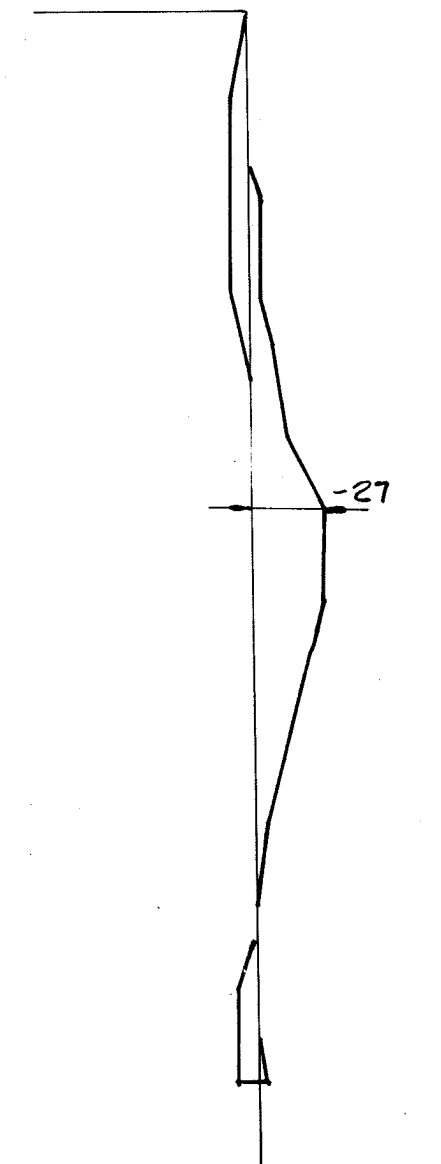
HOOP MOMENT



MERIDIONAL FORCE



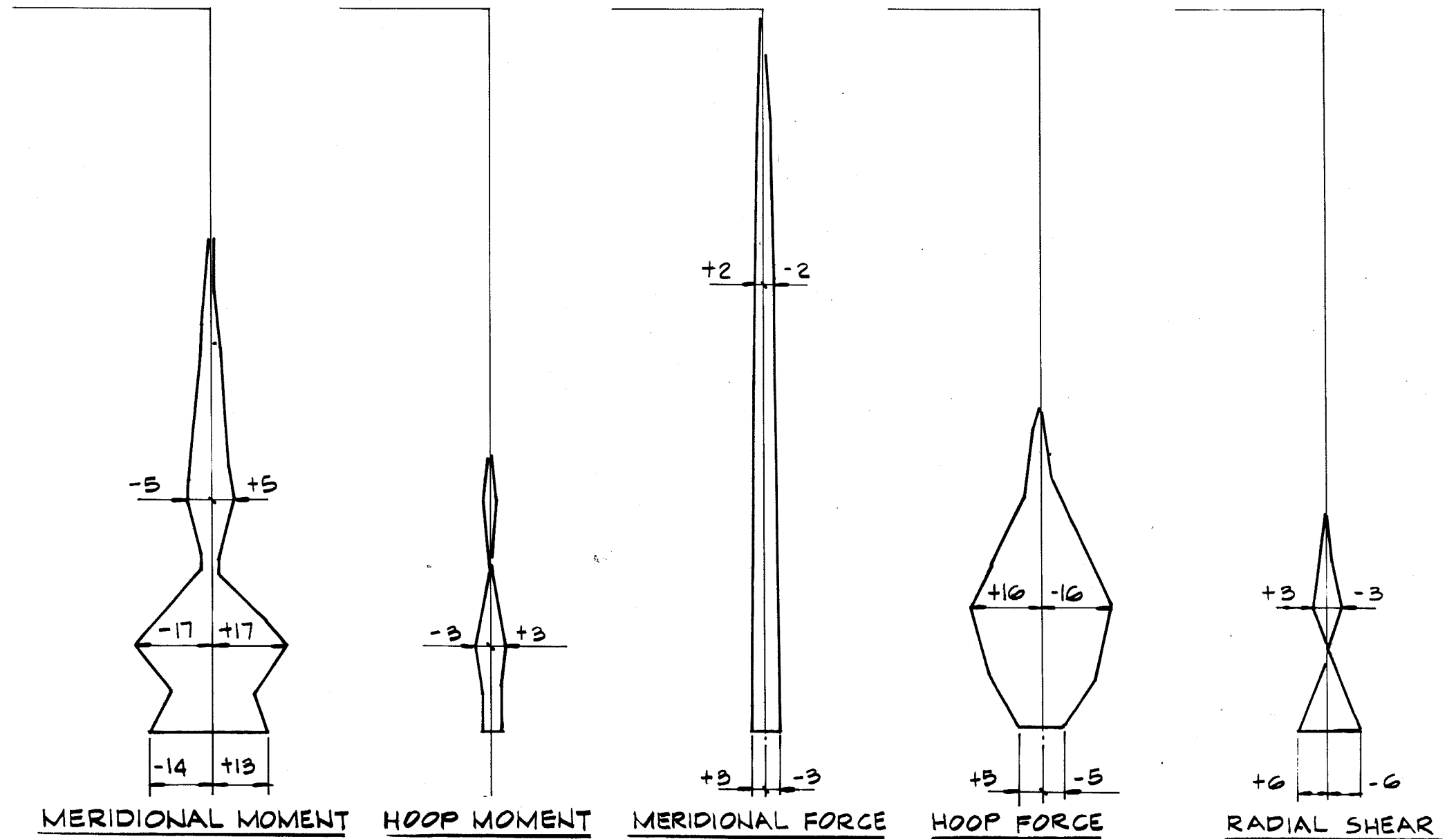
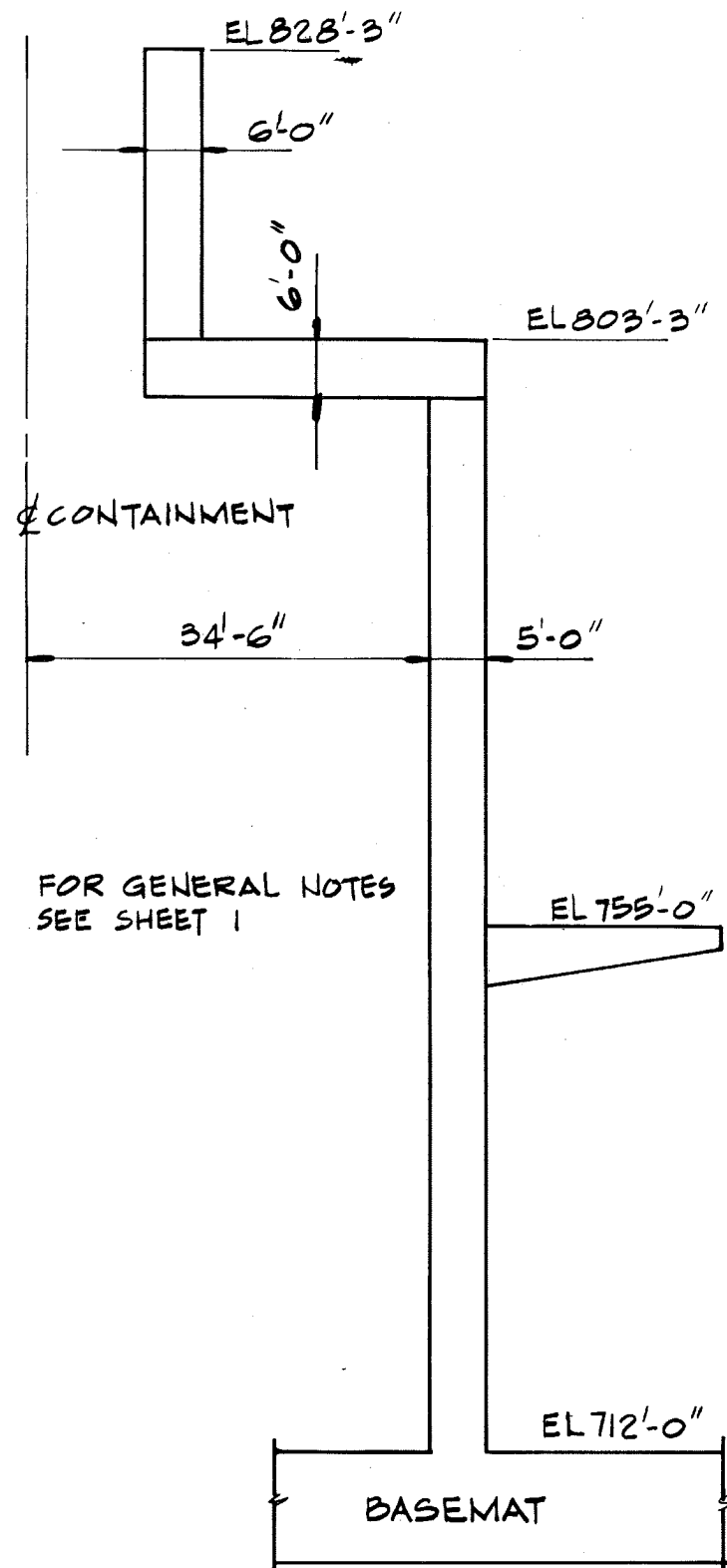
HOOP FORCE



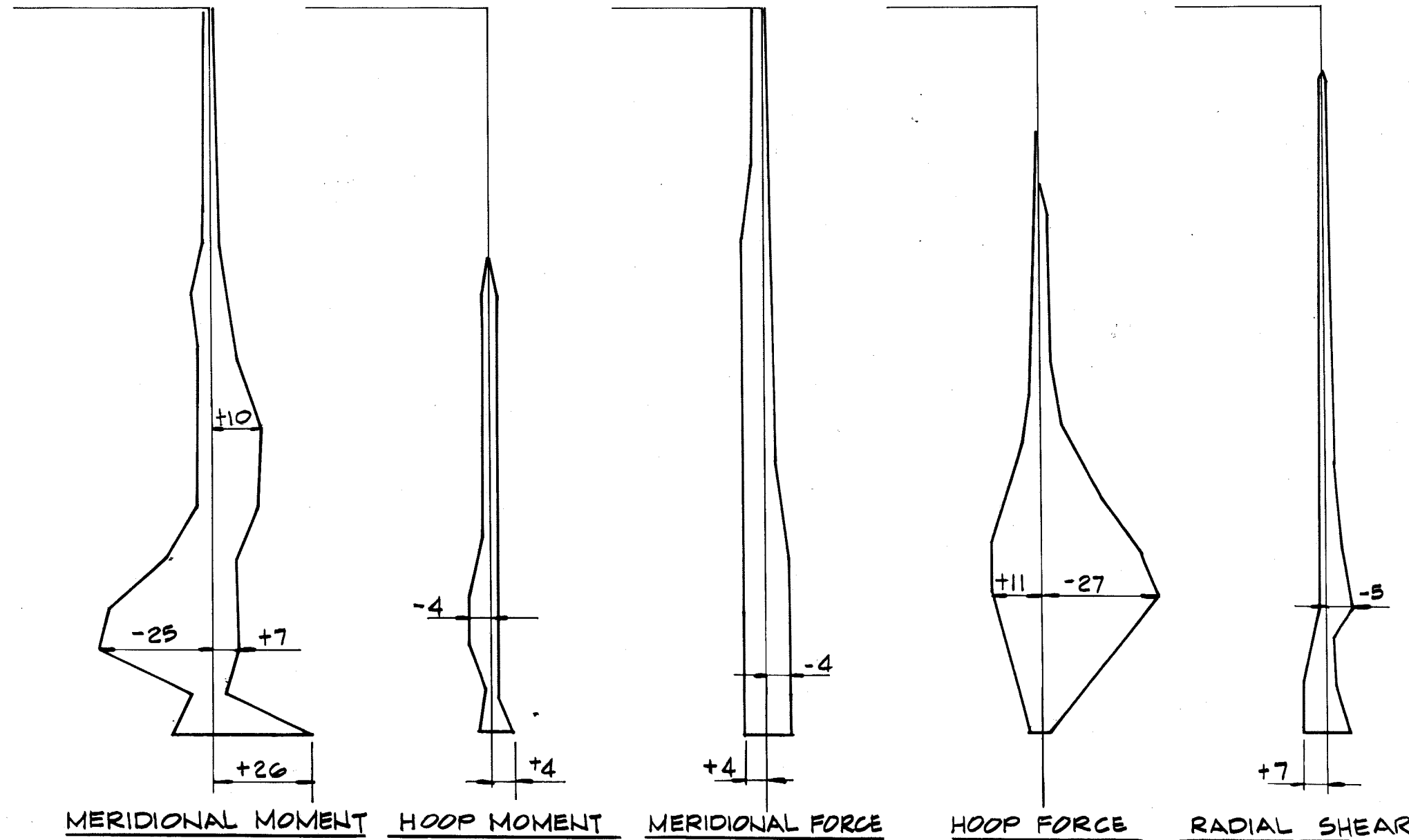
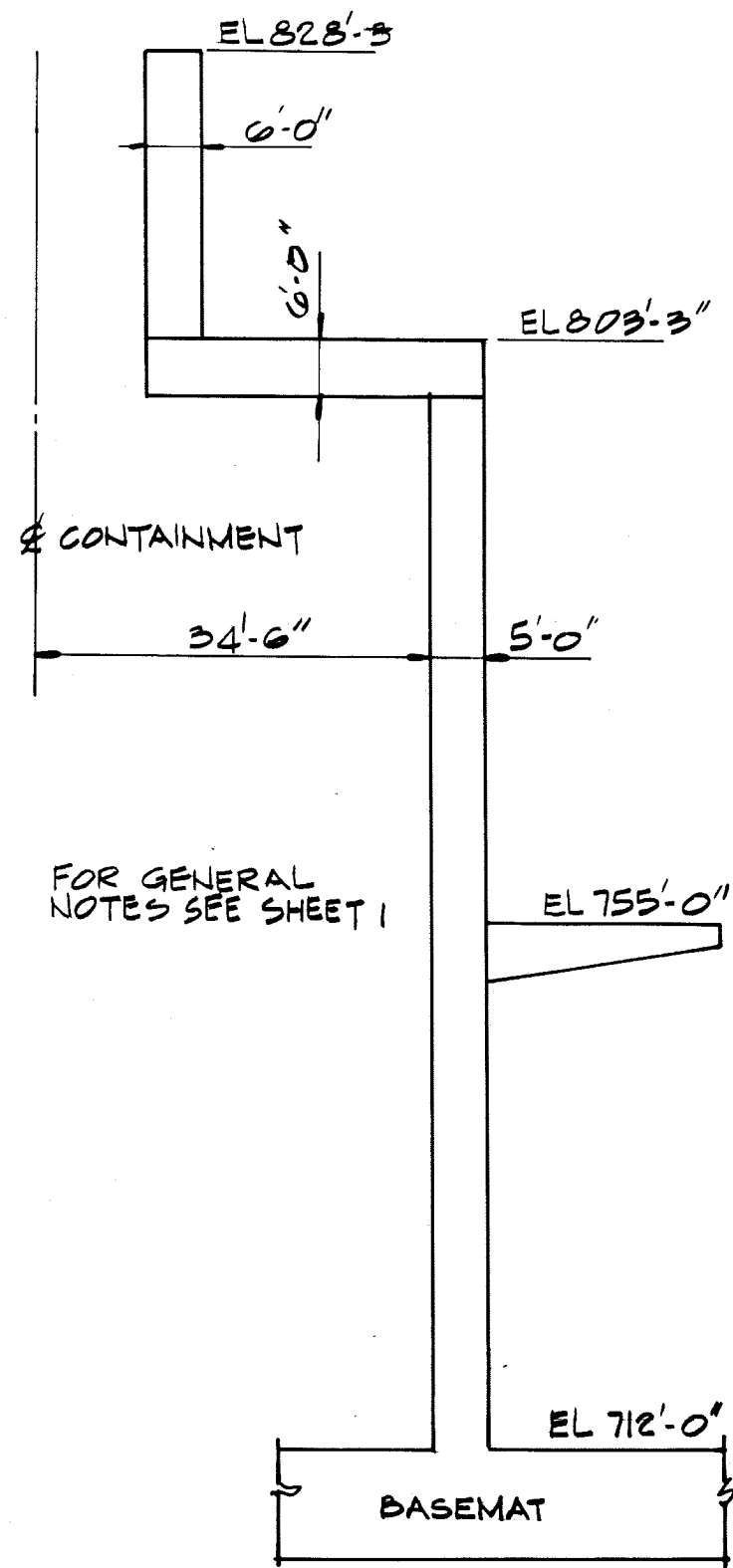
RADIAL SHEAR

CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

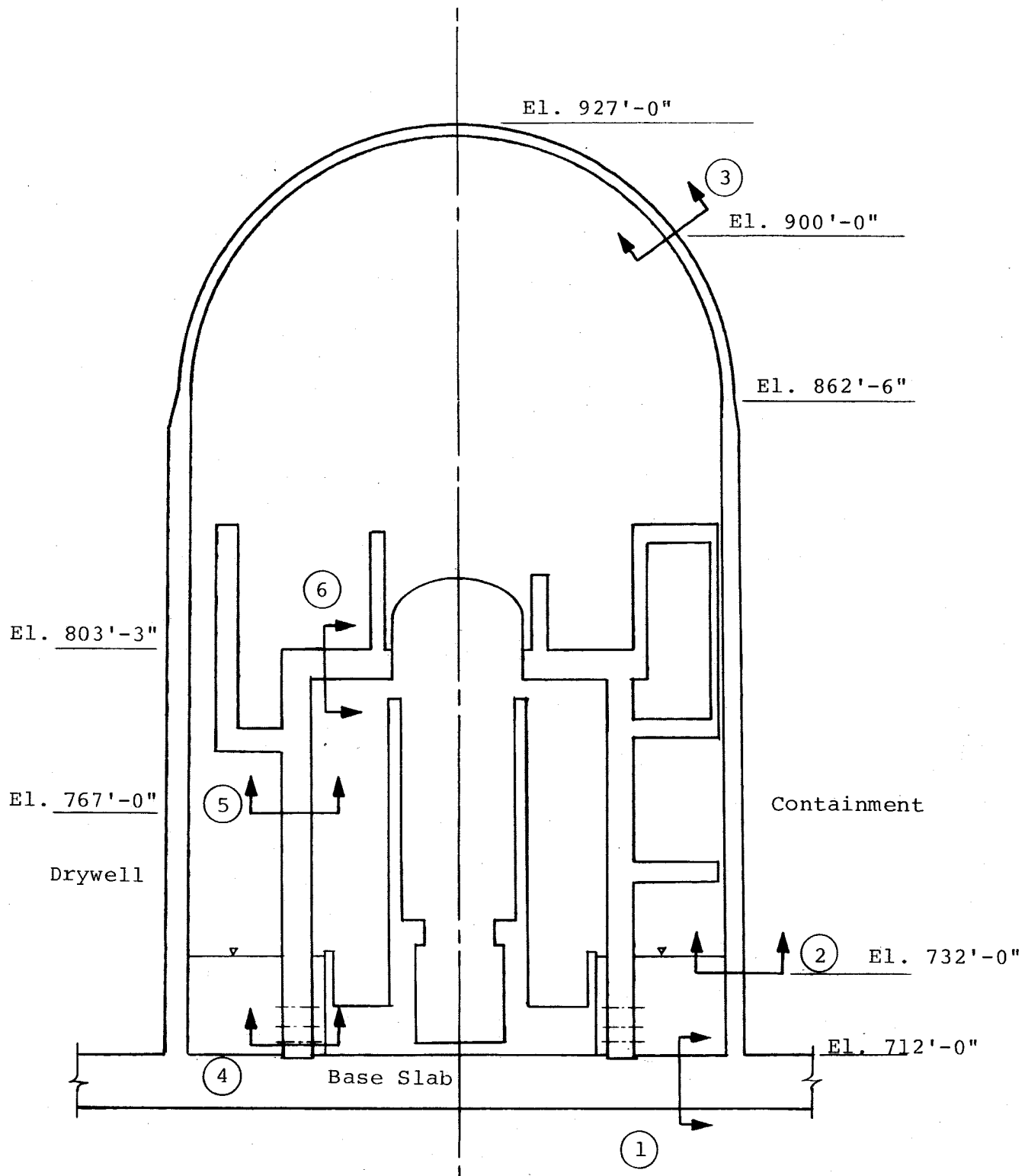
FIGURE B3.8-8  
 FORCE PLOTS DRYWELL LOCA -  
 FROTH IMPINGEMENT



CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT  
 FIGURE B3.8-9  
 FORCE PLOTS DRYWELL LOCA -  
 CONDENSATION OSCILLATION



CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT  
 FIGURE B3.8-10  
 FORCE PLOTS DRYWELL LOCA -  
 CHUGGING



**CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT**

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FIGURE B3.8-11

LOCATION OF DESIGN  
 ASSESSMENT SECTIONS

FIGURES 3.9-1 THROUGH 3.9-5  
HAVE BEEN DELETED



CPS-USAR

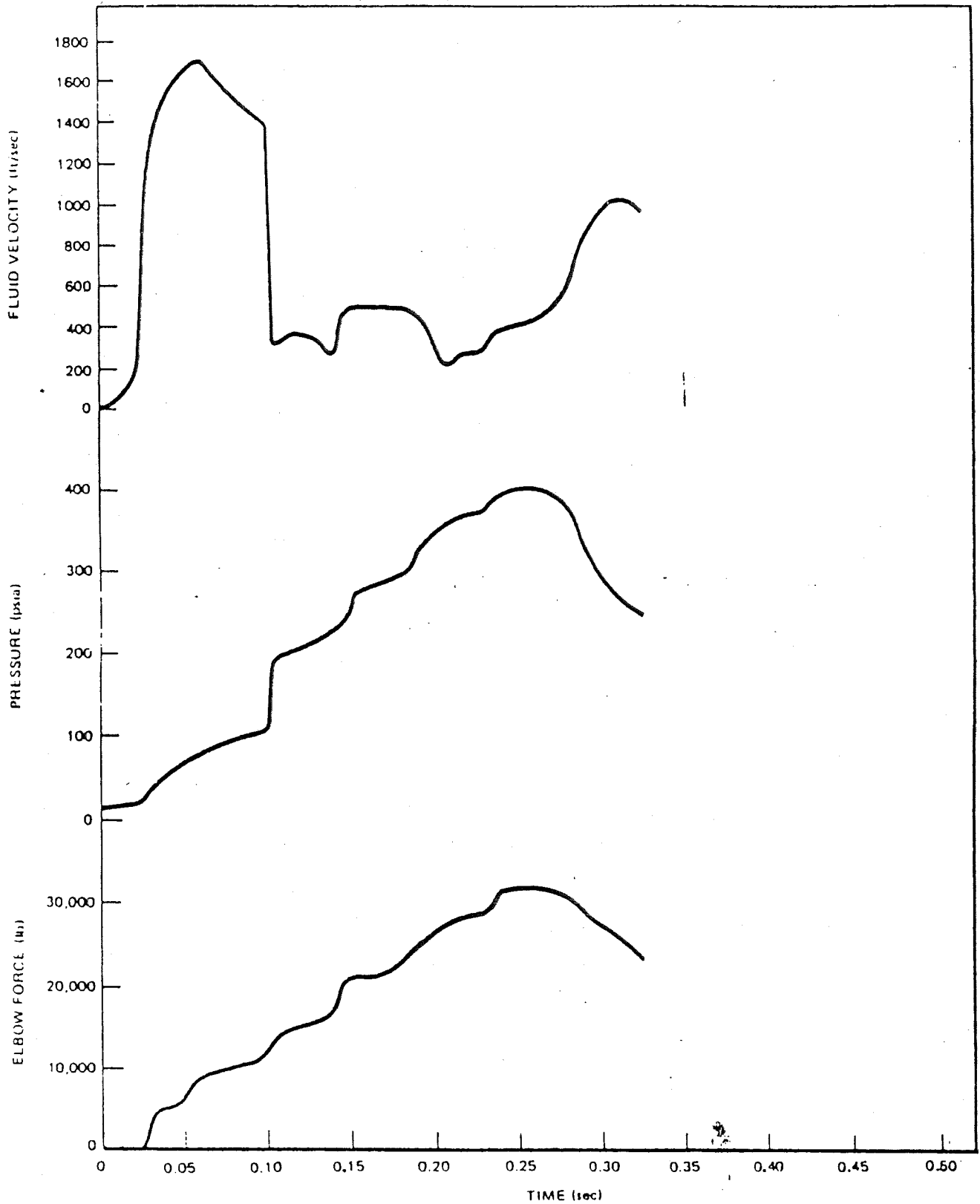


Figure 3.9-6. Typical Relief Valve Transient

CPS-USAR

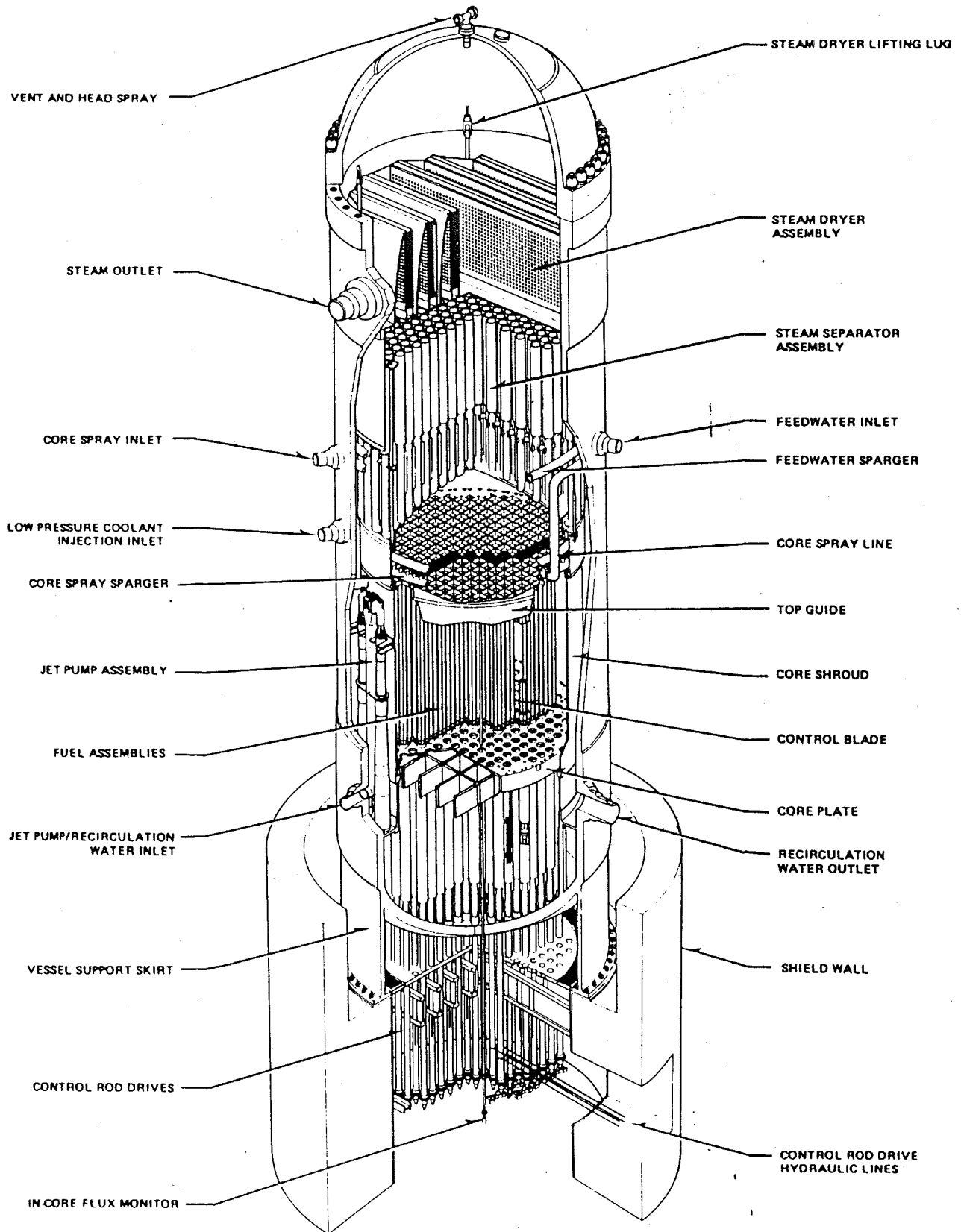


Figure 3.9-7. Reactor Vessel Cutaway

CPS-USAR

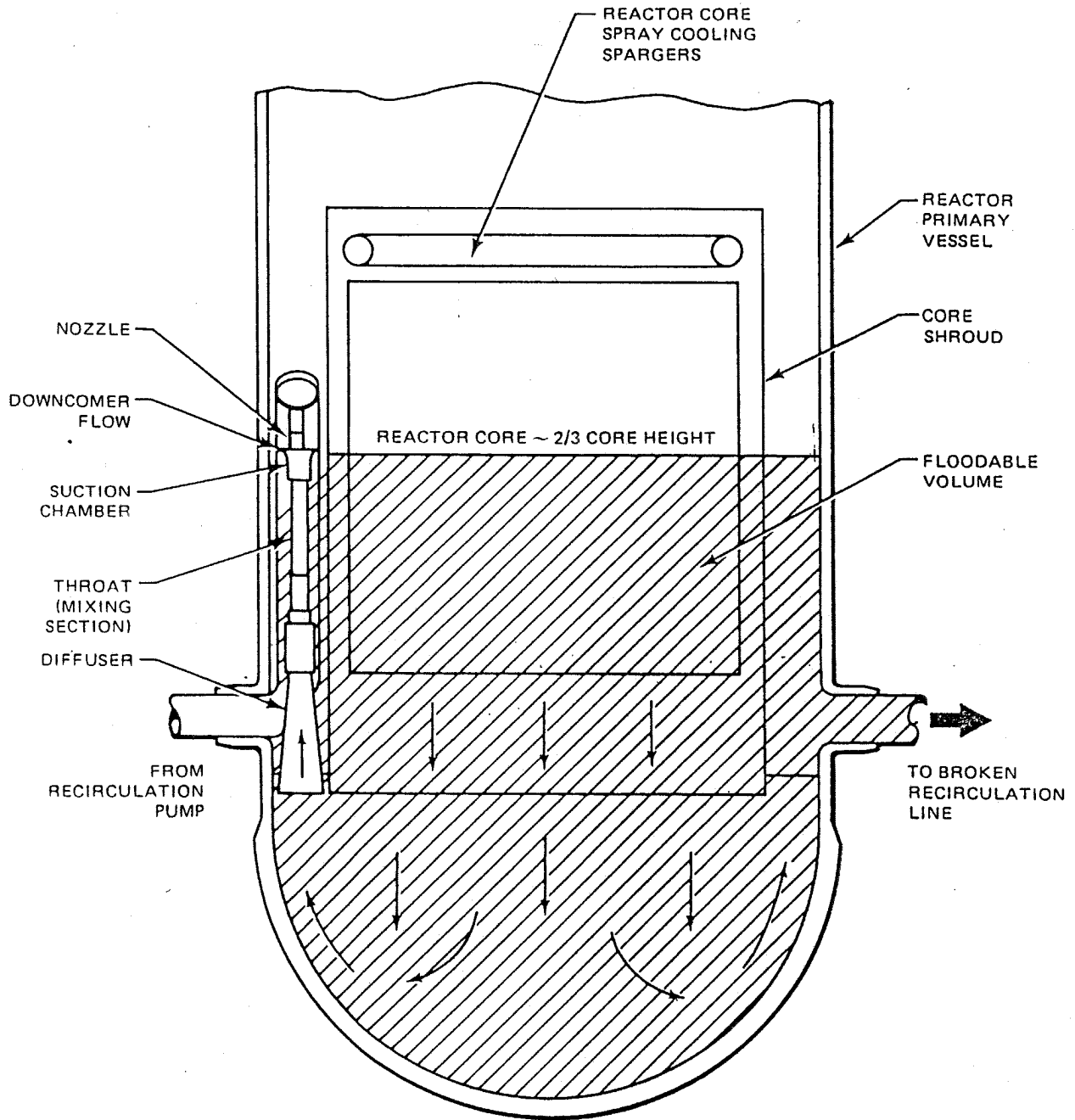


Figure 3.9-8 REACTOR INTERNALS FLOW PATHS

CPS-USAR

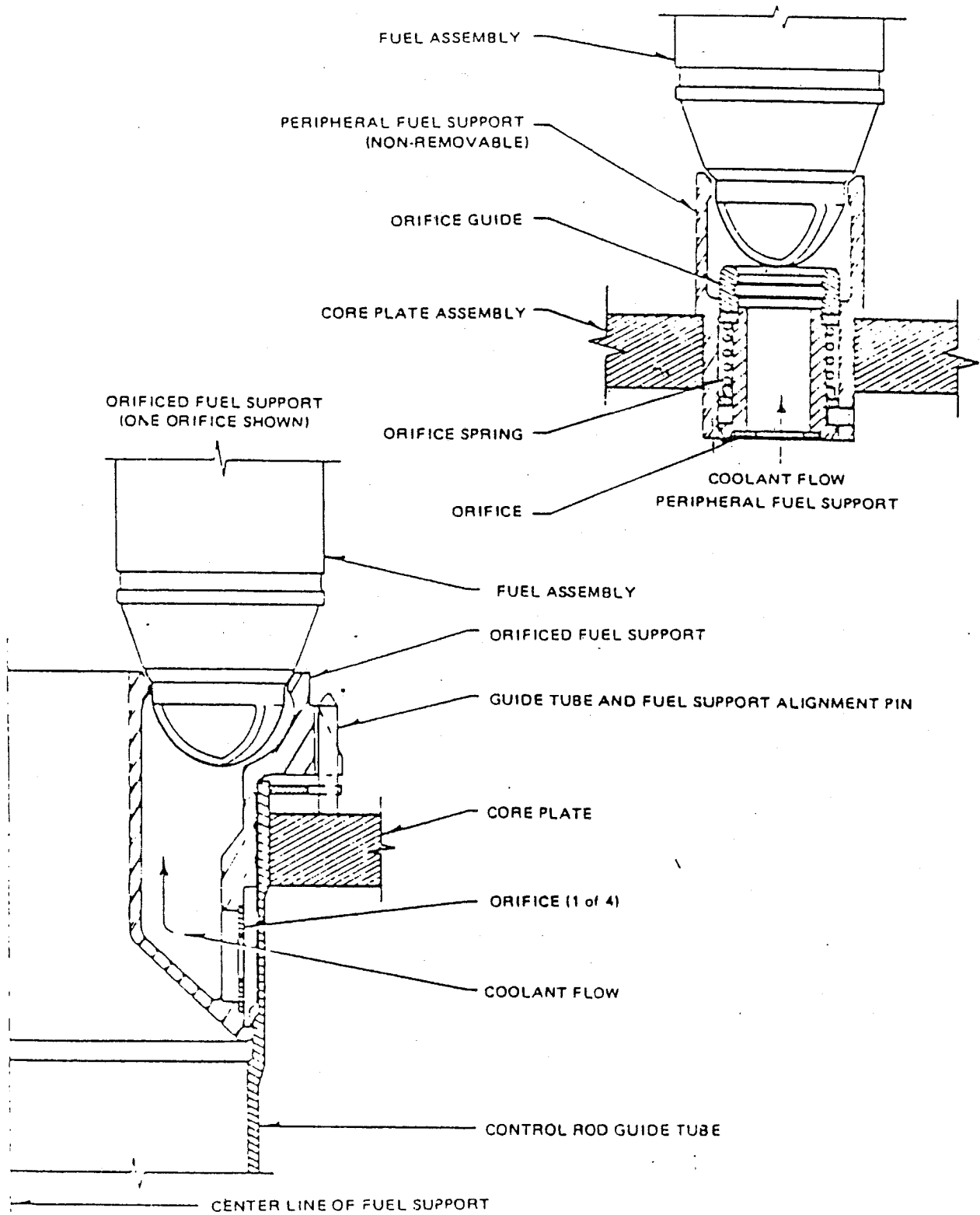


Figure 3.9-9. Fuel Support Pieces

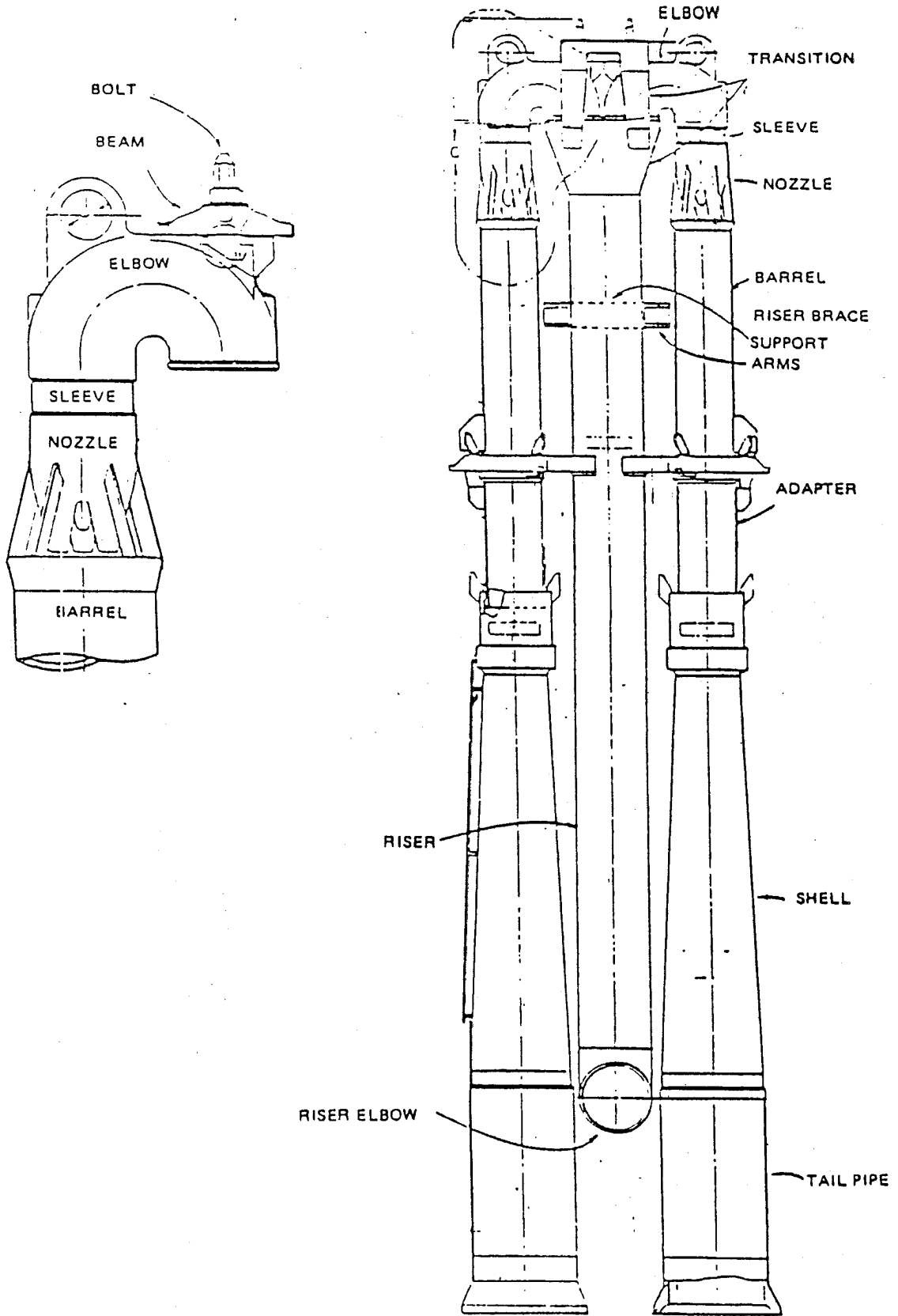


Figure 3.9-10. Jet Pump

CPS-USAR

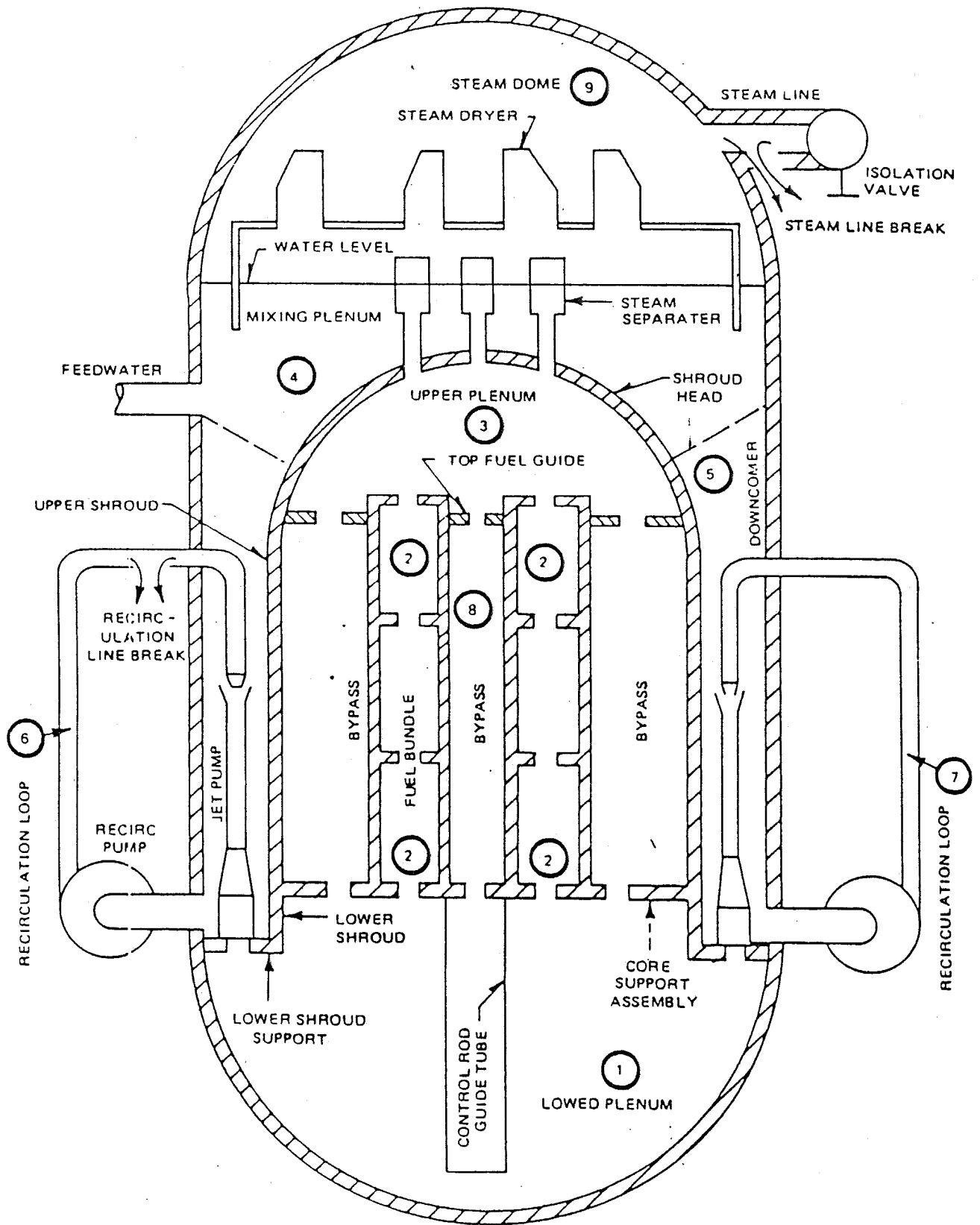
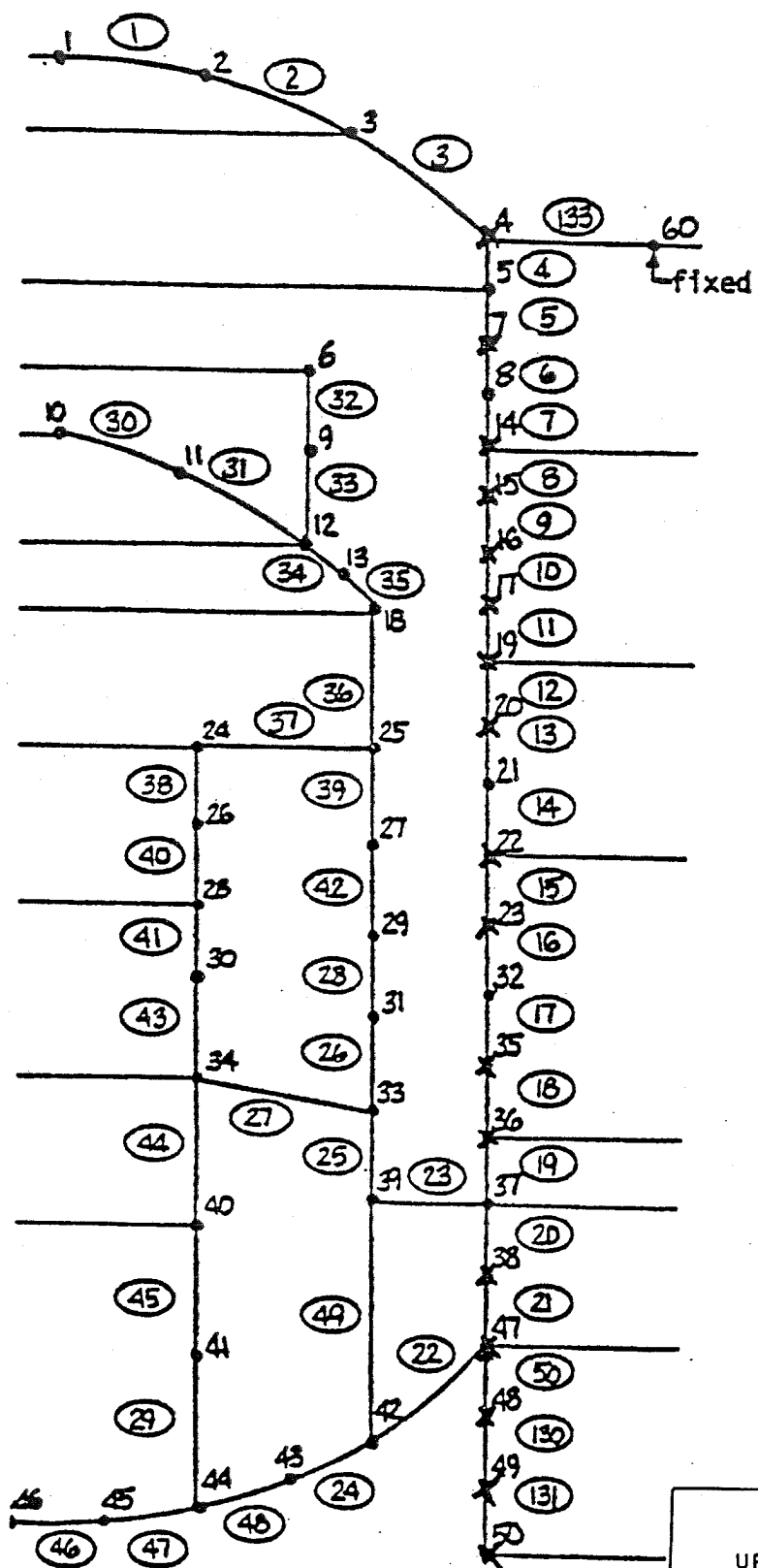
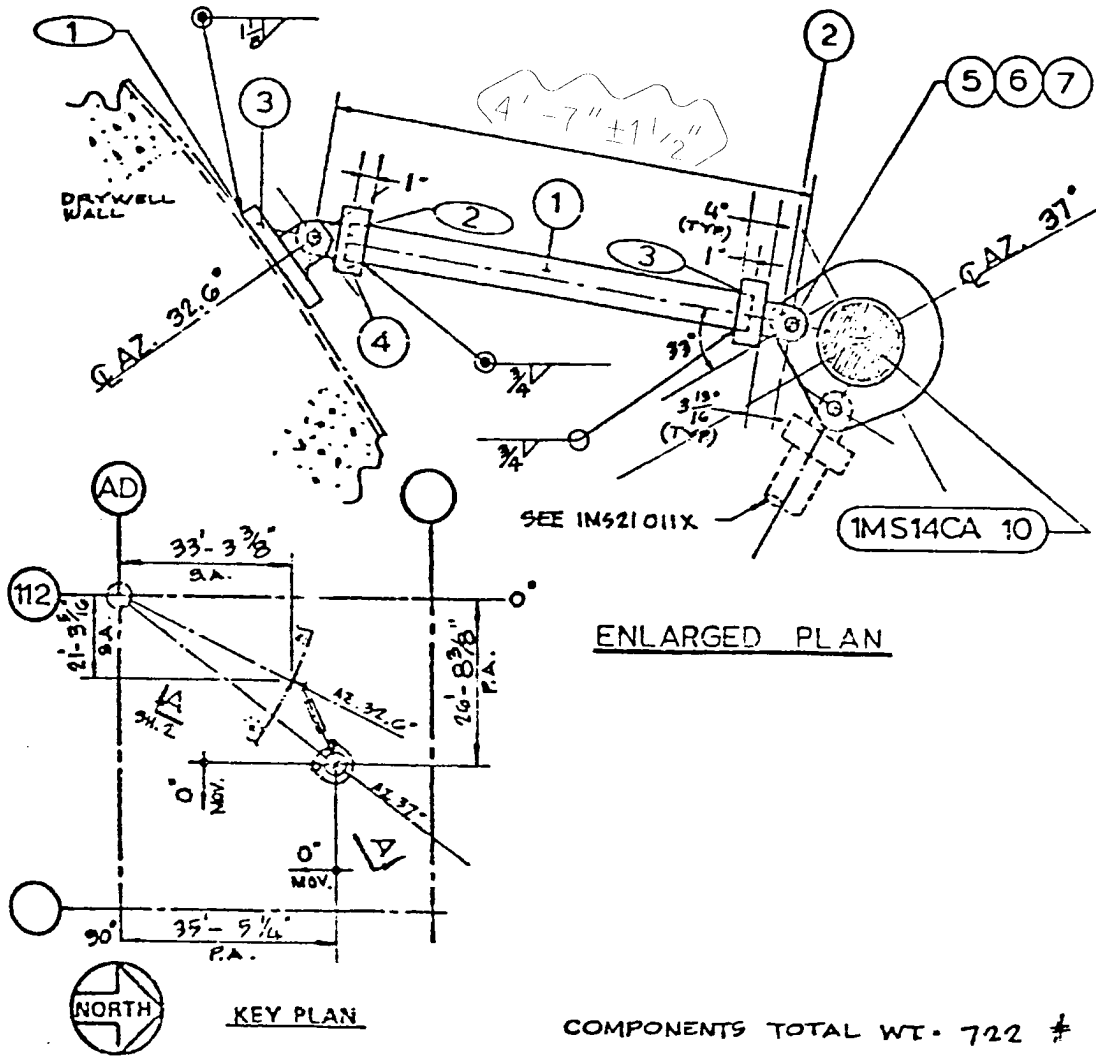


Figure 3.9-11. Pressure Nodes Used for Depressurization Analysis



LEGEND	
	SHELL ELEMENT
	MASS POINT

CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT  
 FIGURE 3.9-12  
 Q & R MEB (DSER) 67B  
 REACTOR PRESSURE VESSELS AND  
 INTERNALS HORIZONTAL SHELL MATH  
 MODEL

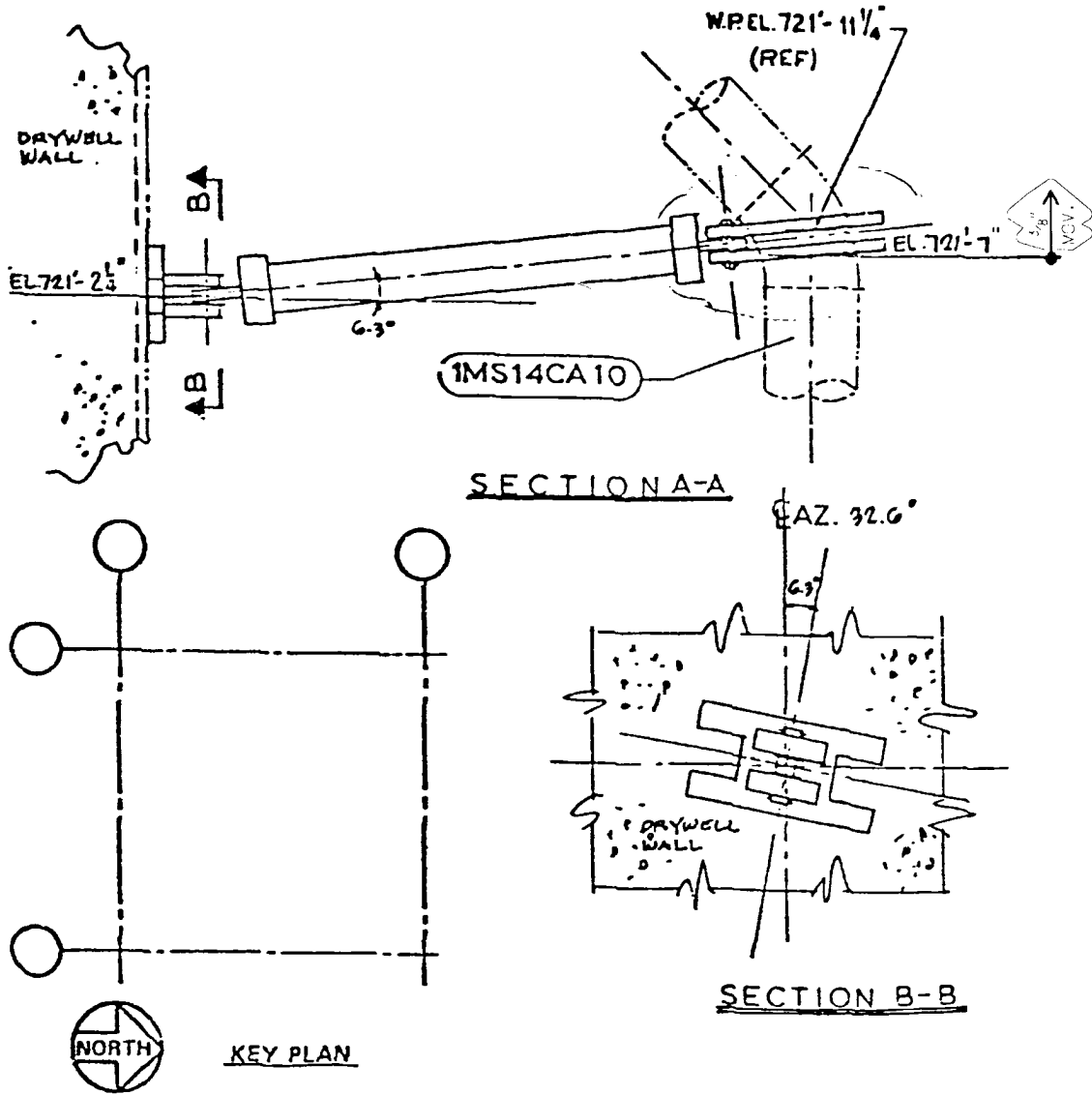


ENLARGED PLAN

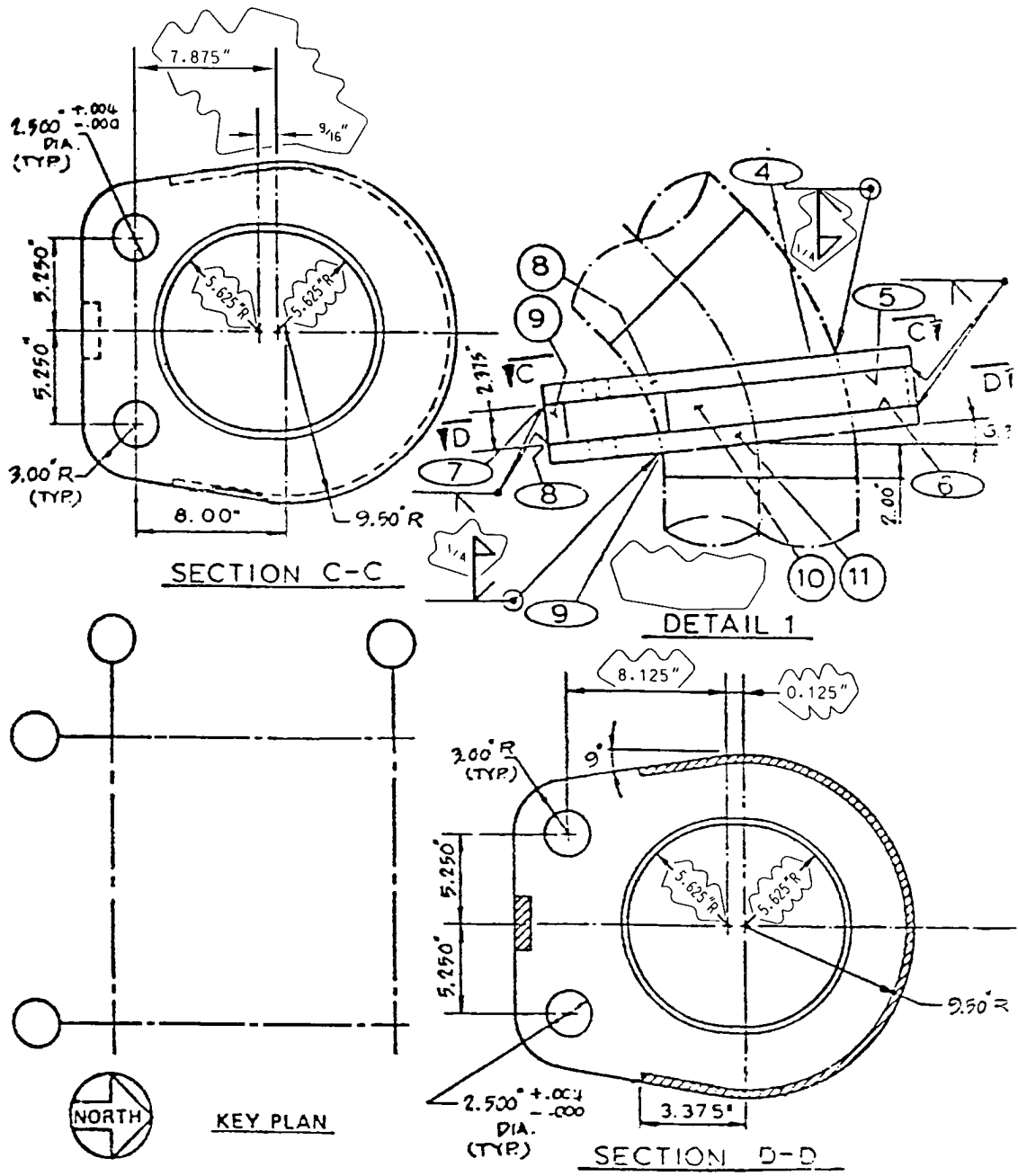
KEY PLAN

<p><b>CLINTON POWER STATION</b>  <b>UPDATED SAFETY ANALYSIS REPORT</b></p>
<p>Figure 3.9-13                  (Q &amp; R 210.01)</p>
<p>SRV DISCHARGE LINE SUPPORT                  WELDED ATTACHMENT DETAIL                  SHEET 1 OF 4</p>

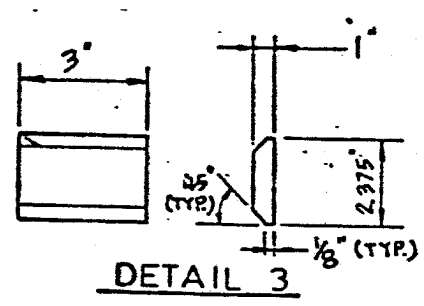
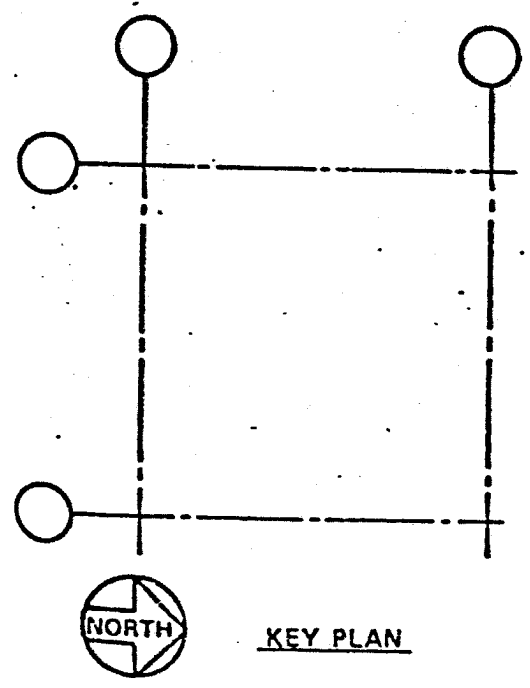
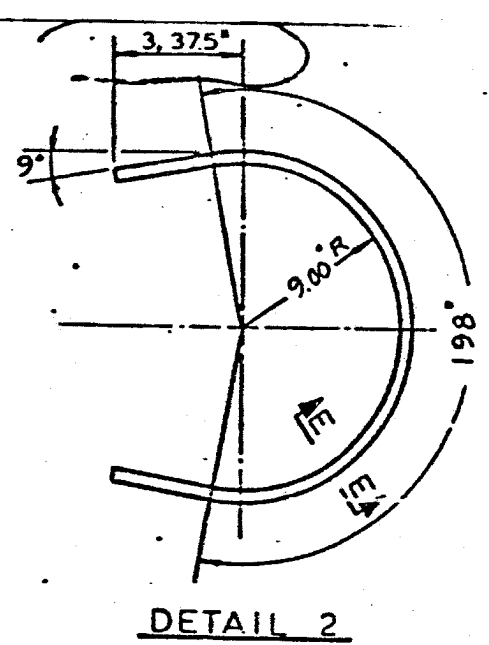
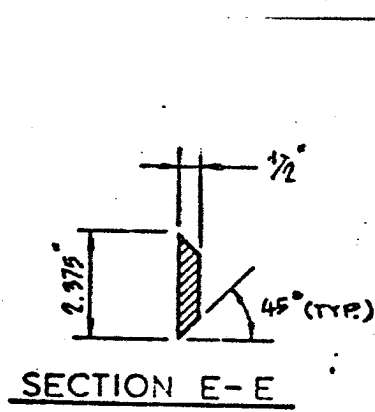




<p>CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT</p>
<p>Figure 3.9-13 (Q &amp; R 210.01)</p>
<p>SRV DISCHARGE LINE SUPPORT WELDED ATTACHMENT DETAIL SHEET 2 OF 4</p>



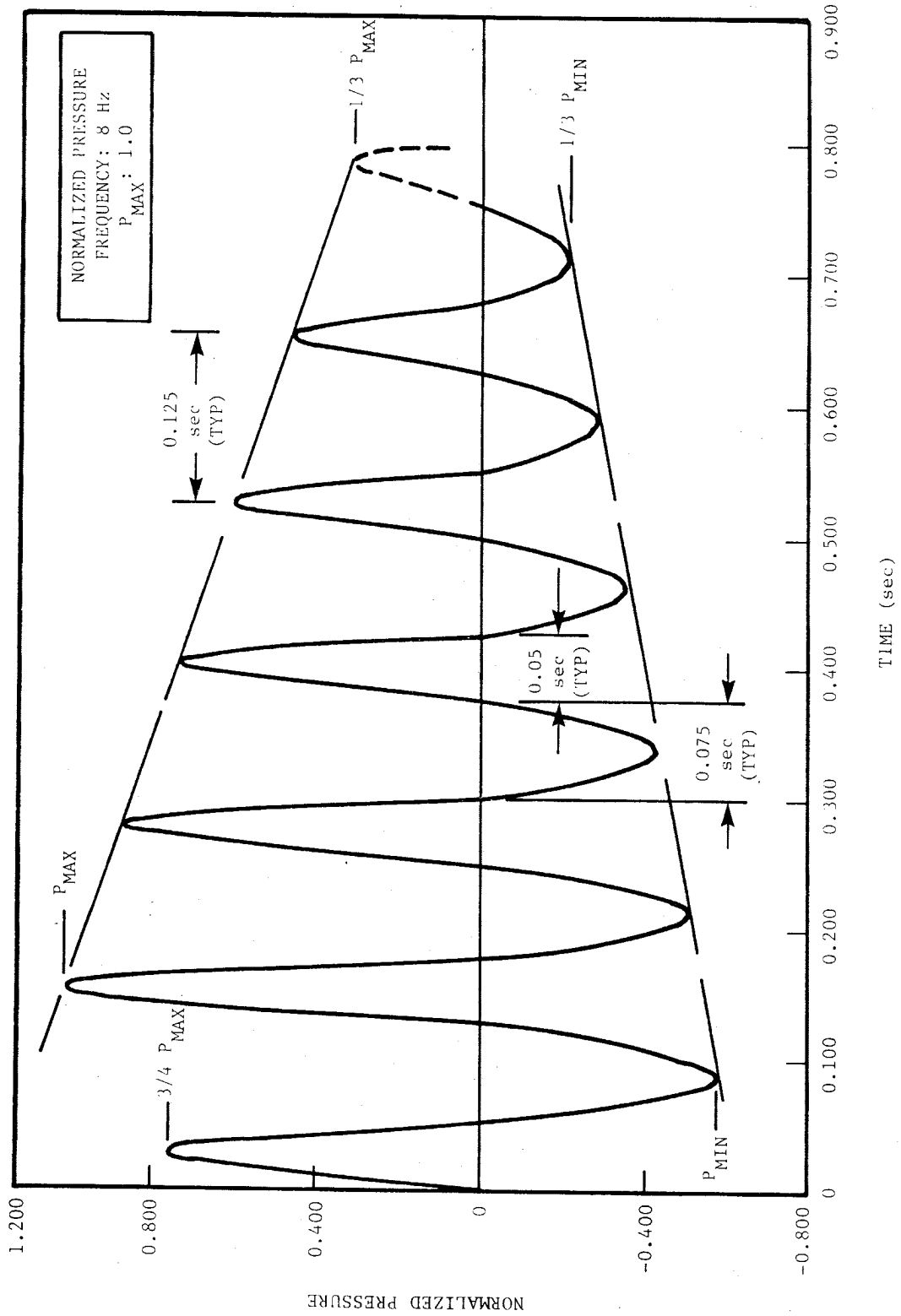
<p>CLINTON POWER STATION                  UPDATED SAFETY ANALYSIS REPORT</p>
<p>Figure 3.9-13                  (Q &amp; R 210.01)                  SRV DISCHARGE LINE SUPPORT                  WELDED ATTACHMENT DETAIL</p>
<p>SHEET 3 OF 4</p>



CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

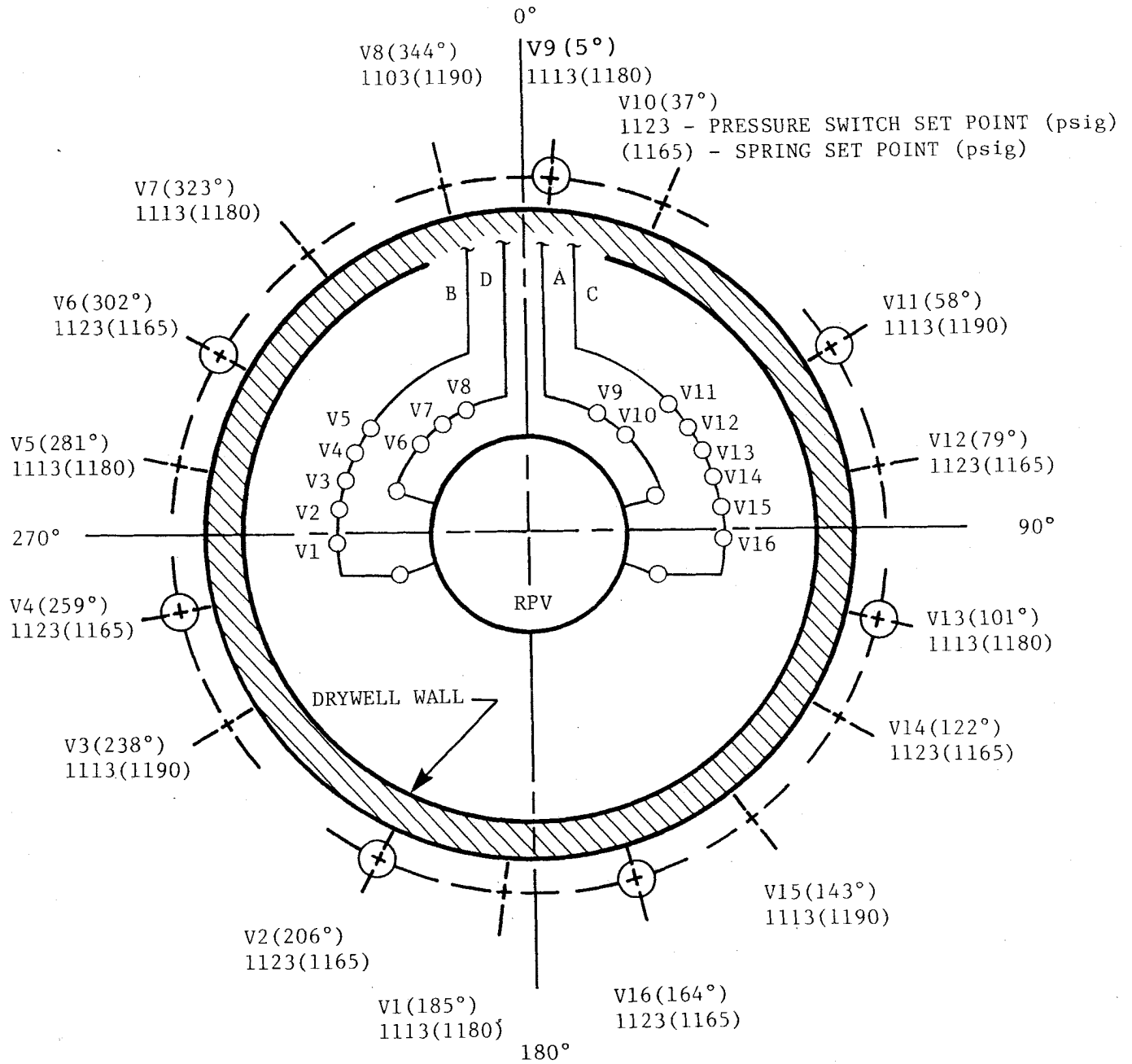
Figure 3.9-13  
 (Q & R 210.01)

SRV DISCHARGE LINE SUPPORT  
 WELDED ATTACHMENT DETAIL  
 SHEET 4 OF 4



CLINTON POWER STATION  
 UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.9-1  
 QUENCHER BUBBLE PRESSURE TIME HISTORY

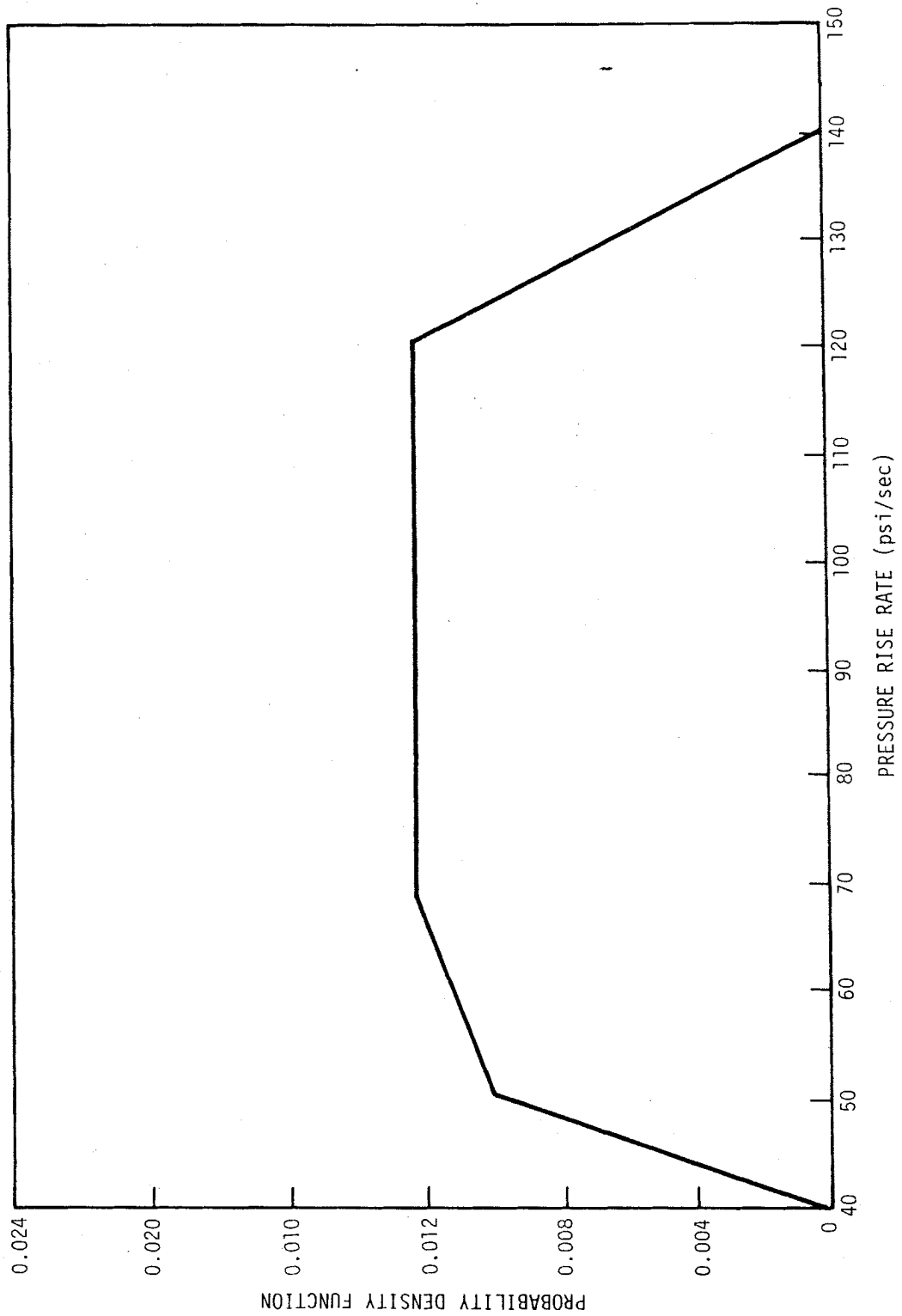


LEGEND: ADS = ○  
NOTES: 16 S/R VALVES

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FIGURE A3.9-2

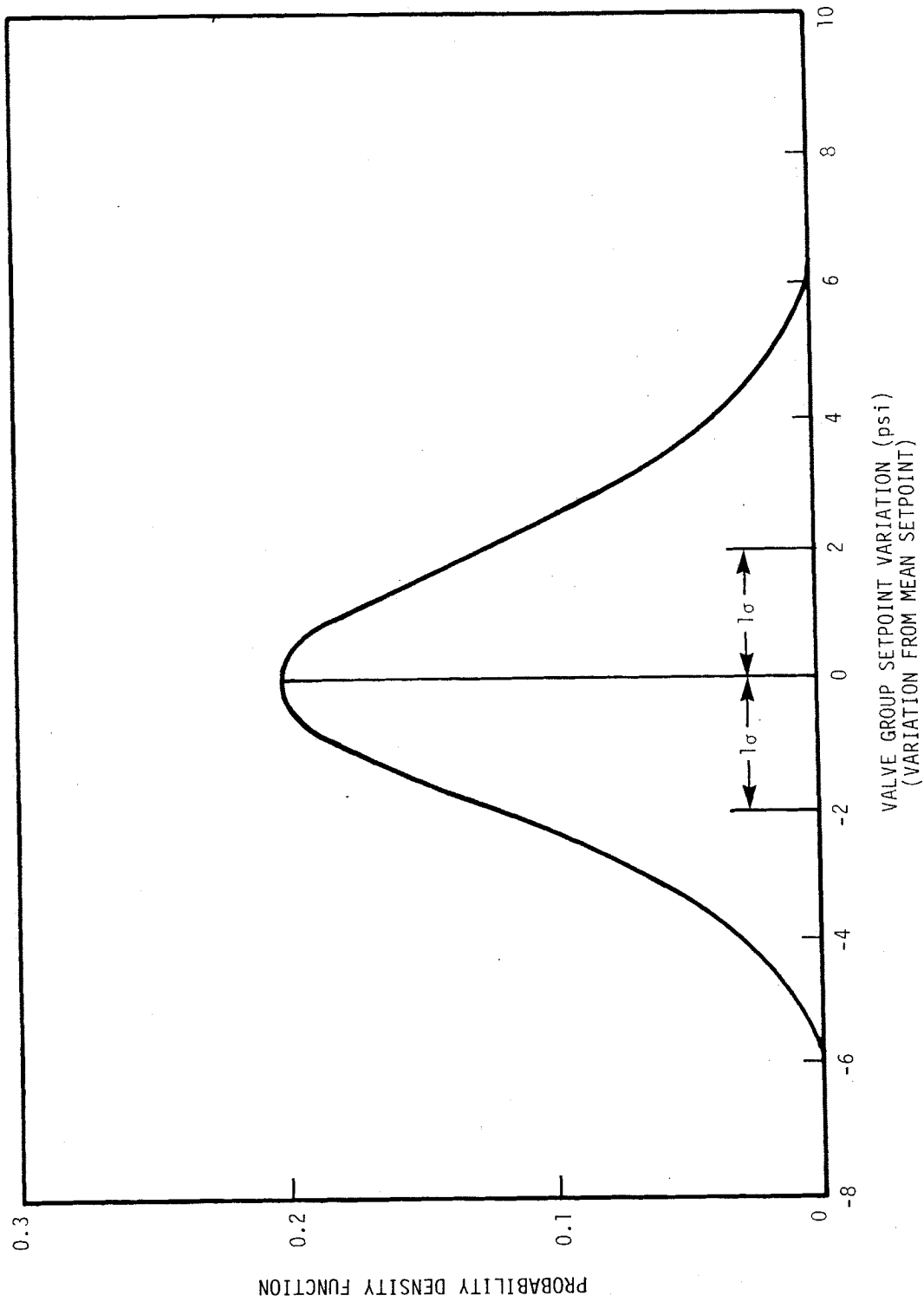
S/R VALVE DISCHARGE LOCATIONS FOR  
218-624 PLANT



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FIGURE A3.9-3

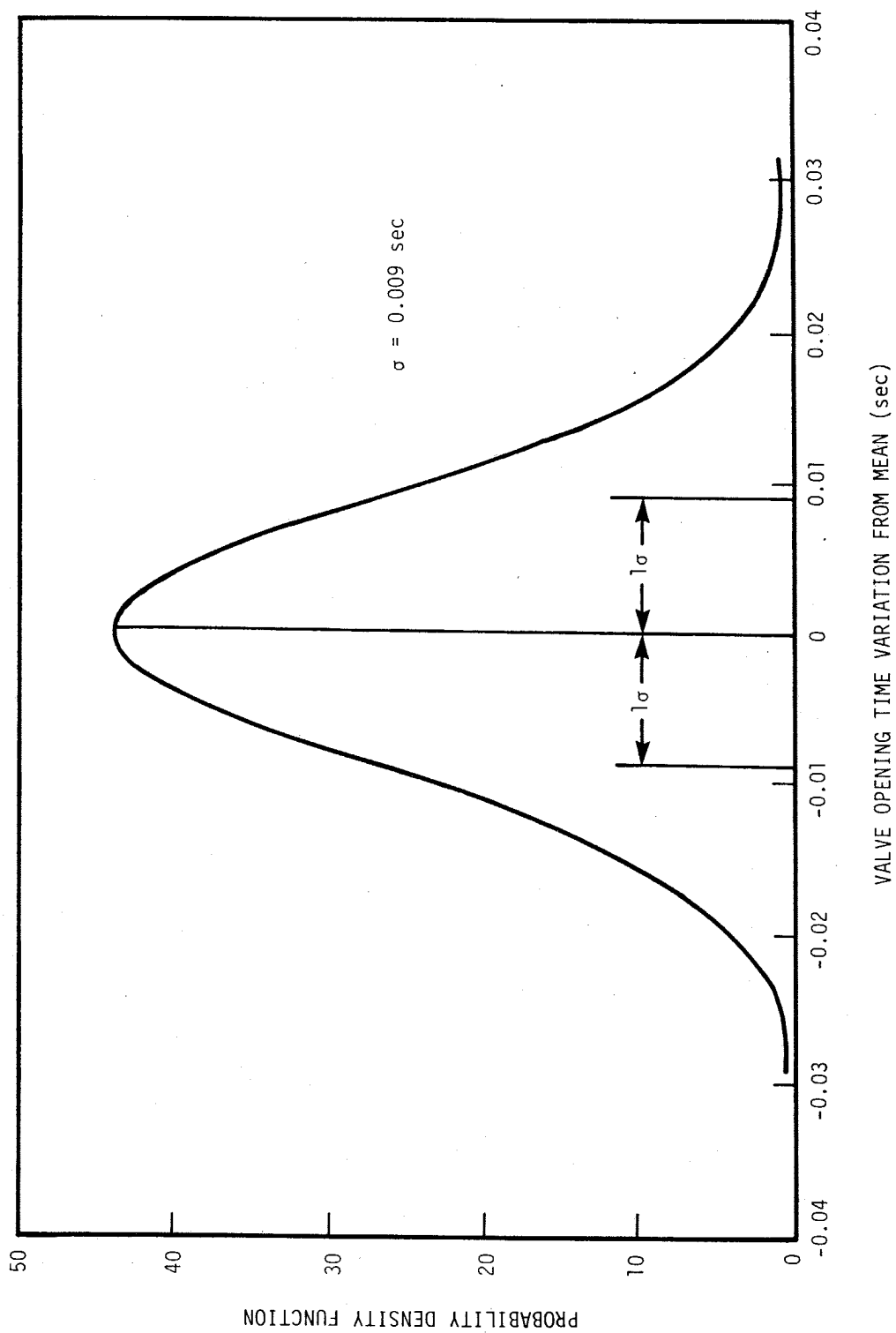
PROBABILITY DENSITY FUNCTION VS.  
 PRESSURE RISE RATE



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FIGURE A3.9-4

PROBABILITY DENSITY FUNCTION VS.  
VALVE GROUP SETPOINT VARIATION

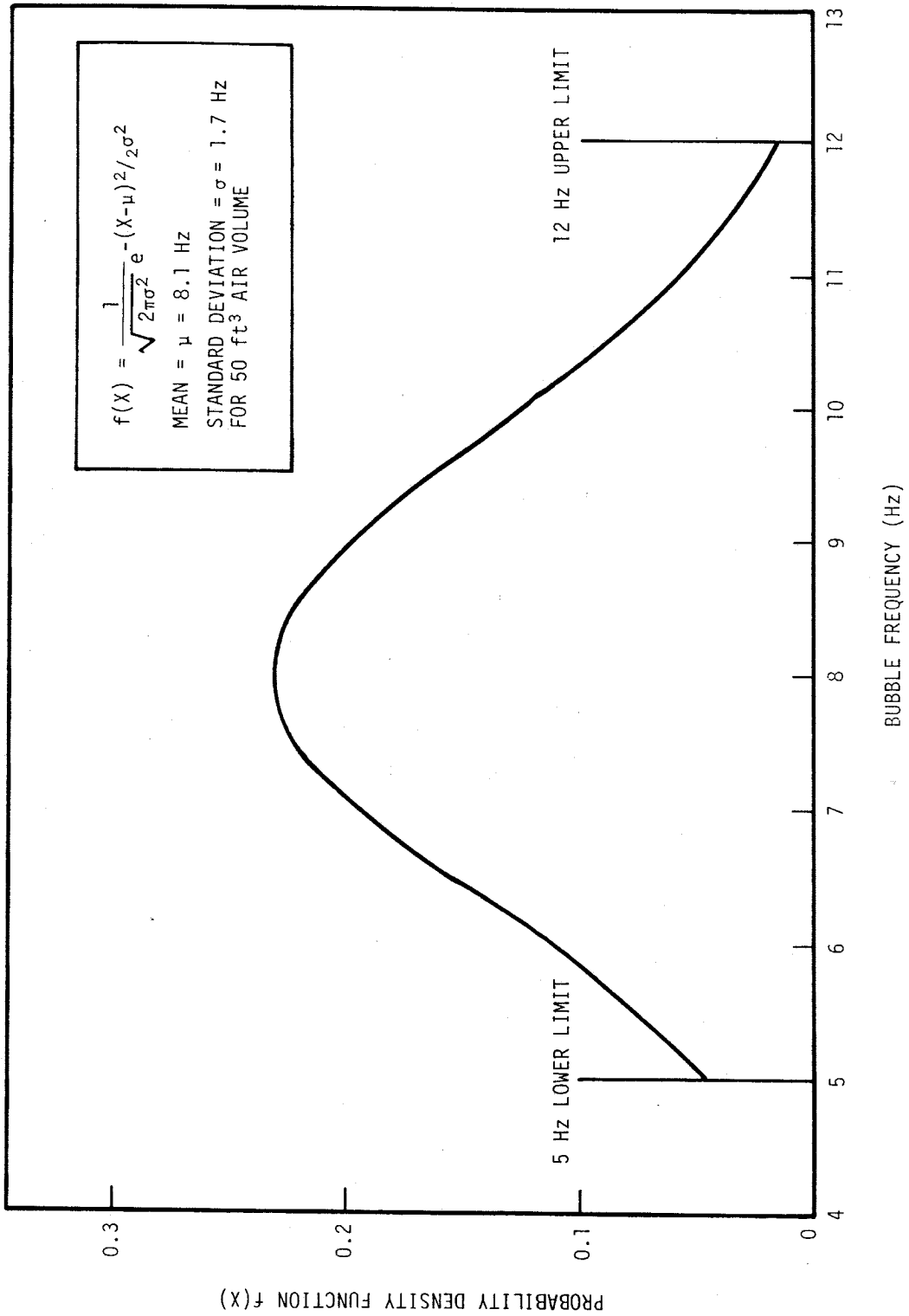


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FIGURE A3.9-5

PROBABILITY DENSITY FUNCTION VS.  
VALVE OPENING TIME VARIATION  
(DIKKERS VALVES)



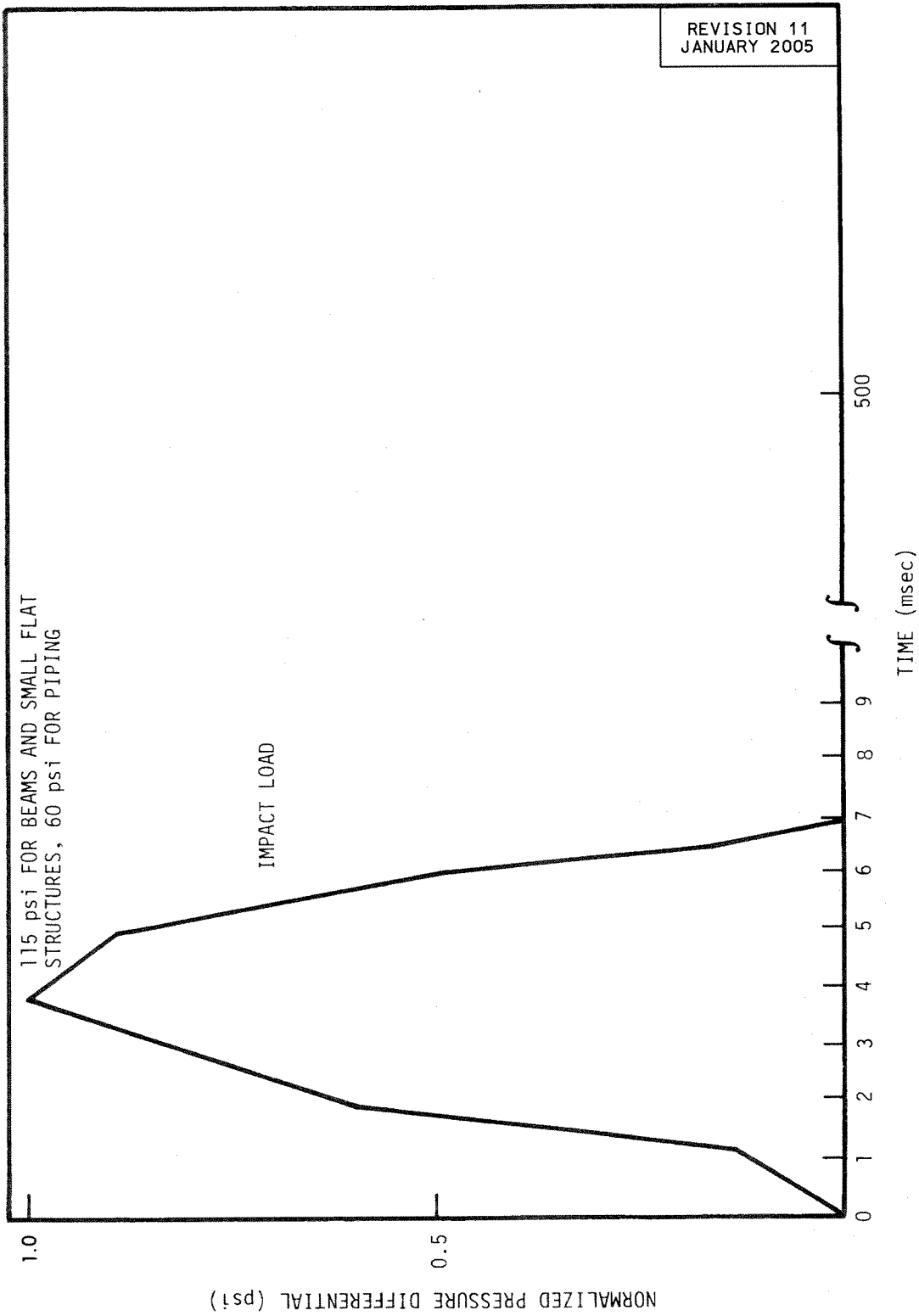


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FIGURE A3.9-6  
 PROBABILITY DENSITY FUNCTION VS.  
 BUBBLE FREQUENCY

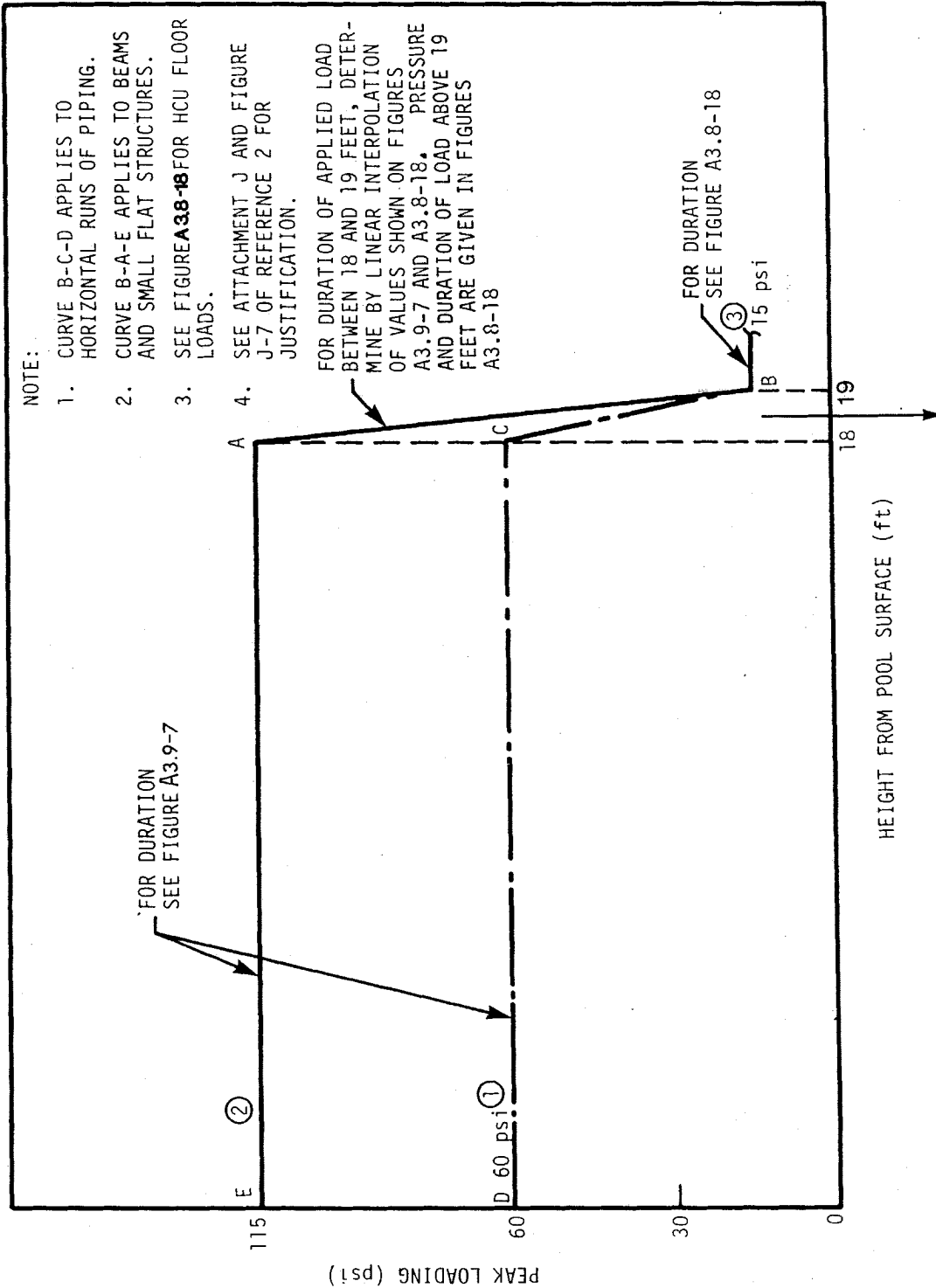
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FIGURE A3.9-7

PROFILE OF IMPACT LOADS ON SMALL  
STRUCTURES WITHIN 19.5 FT OF THE  
POOL SURFACE



NOTE:

1. CURVE B-C-D APPLIES TO HORIZONTAL RUNS OF PIPING.
2. CURVE B-A-E APPLIES TO BEAMS AND SMALL FLAT STRUCTURES.
3. SEE FIGURE A3.8-18 FOR HCU FLOOR LOADS.
4. SEE ATTACHMENT J AND FIGURE J-7 OF REFERENCE 2 FOR JUSTIFICATION.

FOR DURATION OF APPLIED LOAD BETWEEN 18 AND 19 FEET, DETERMINE BY LINEAR INTERPOLATION OF VALUES SHOWN ON FIGURES A3.9-7 AND A3.8-18. PRESSURE AND DURATION OF LOAD ABOVE 19 FEET ARE GIVEN IN FIGURES A3.8-18

NOTE

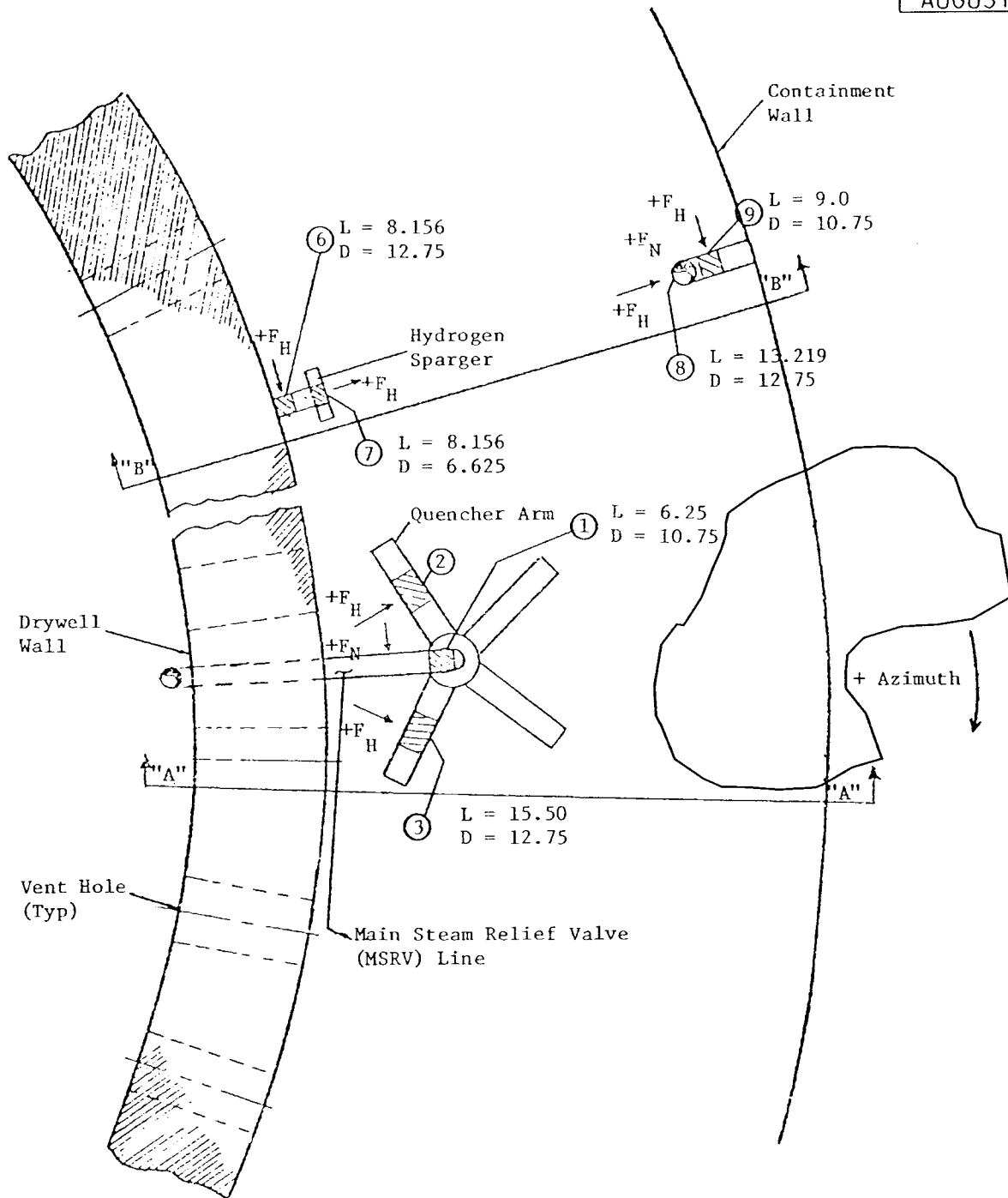
ONLY DRAG LOADS ARE APPLIED ABOVE THE HCU FLOOR FROM VELOCITY DETERMINED BY DECELERATION WITH ELEVATION. NO FROTH IMPACT OR DRAG LOAD ABOVE 30 ft.

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FIGURE A3.9-8

SUMMARY OF POOL SWELL LOADING SPECIFICATIONS FOR SMALL STRUCTURES IN THE CONTAINMENT ANNULUS (NOT APPLICABLE TO THE STEAM TUNNEL OR EXPANSIVE HCU FLOORS)





**SYMBOL**

- - Node Number
- +F<sub>H</sub> - Positive Horizontal Direction
- +F<sub>N</sub> - Positive Normal Direction
- L - Node Length ~ Inches
- D - Node Diameter ~ Inches

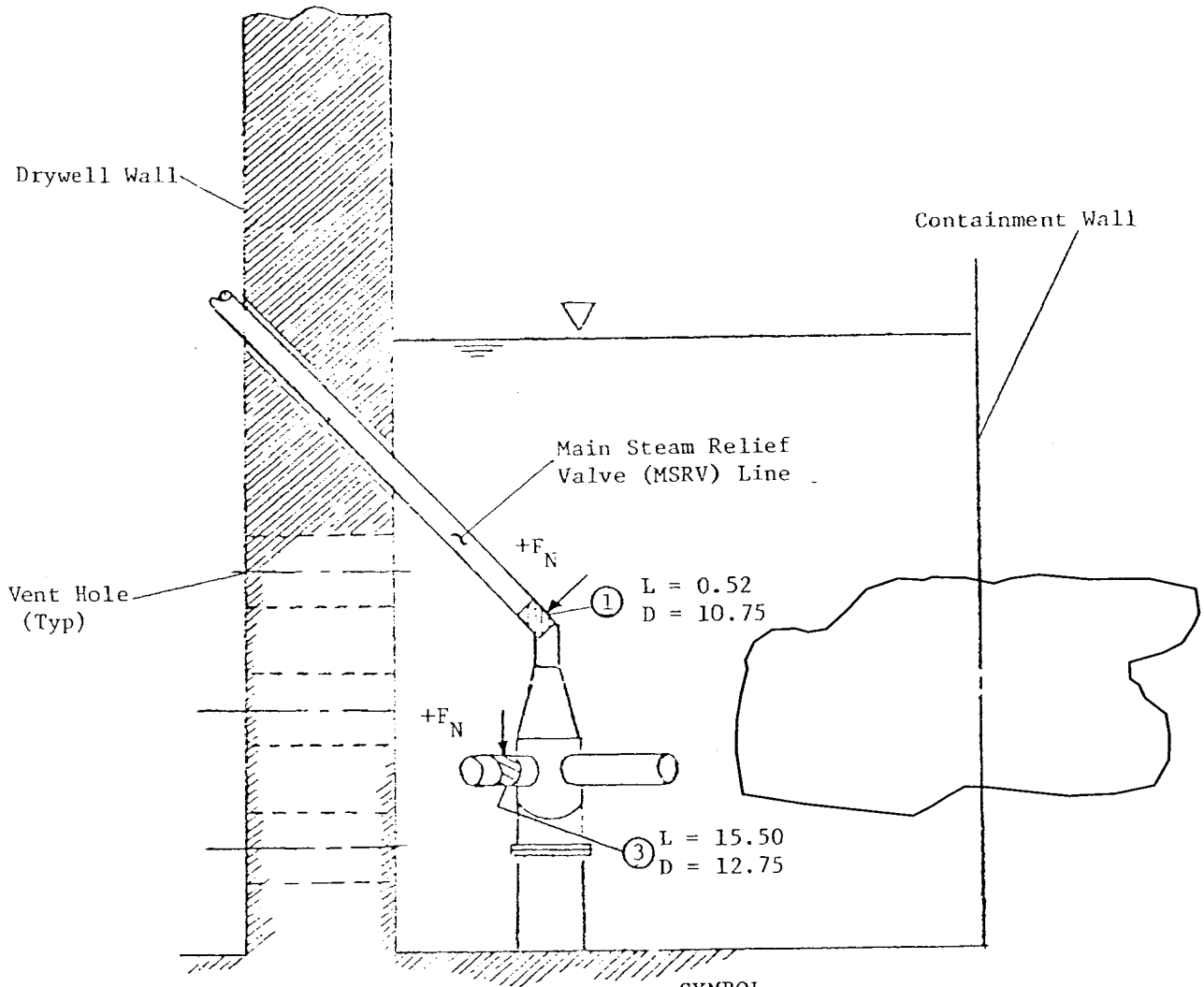
- Notes:**
1. Not to scale
  2. Not actual azimuthal locations of submerged structures

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FIGURE A3.9-10

SCHEMATIC OF SUPPRESSION POOL

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NOTE: Not to Scale

SYMBOL

- - Node Numbers
- L - Node Length ~ Inches
- D - Node Diameter ~ Inches
- +F<sub>N</sub> - Positive Normal Direction
- +F<sub>H</sub> - Positive Horizontal Direction

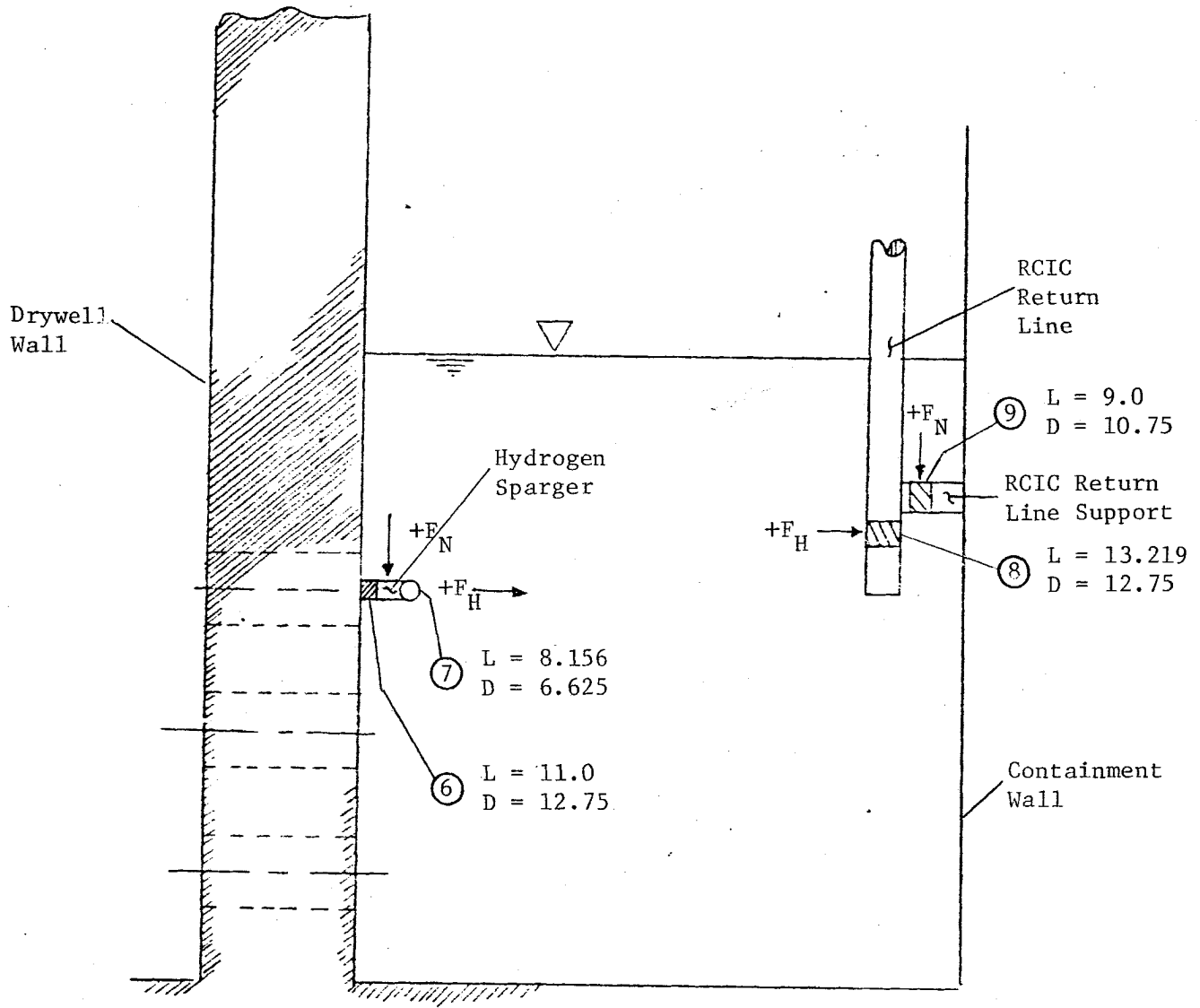
Figure A3.9-11: Schematic of Suppression Pool - Section "A" - "A"

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FIGURE A3.9-11

SCHEMATIC OF SUPPRESSION POOL  
SECTION A-A



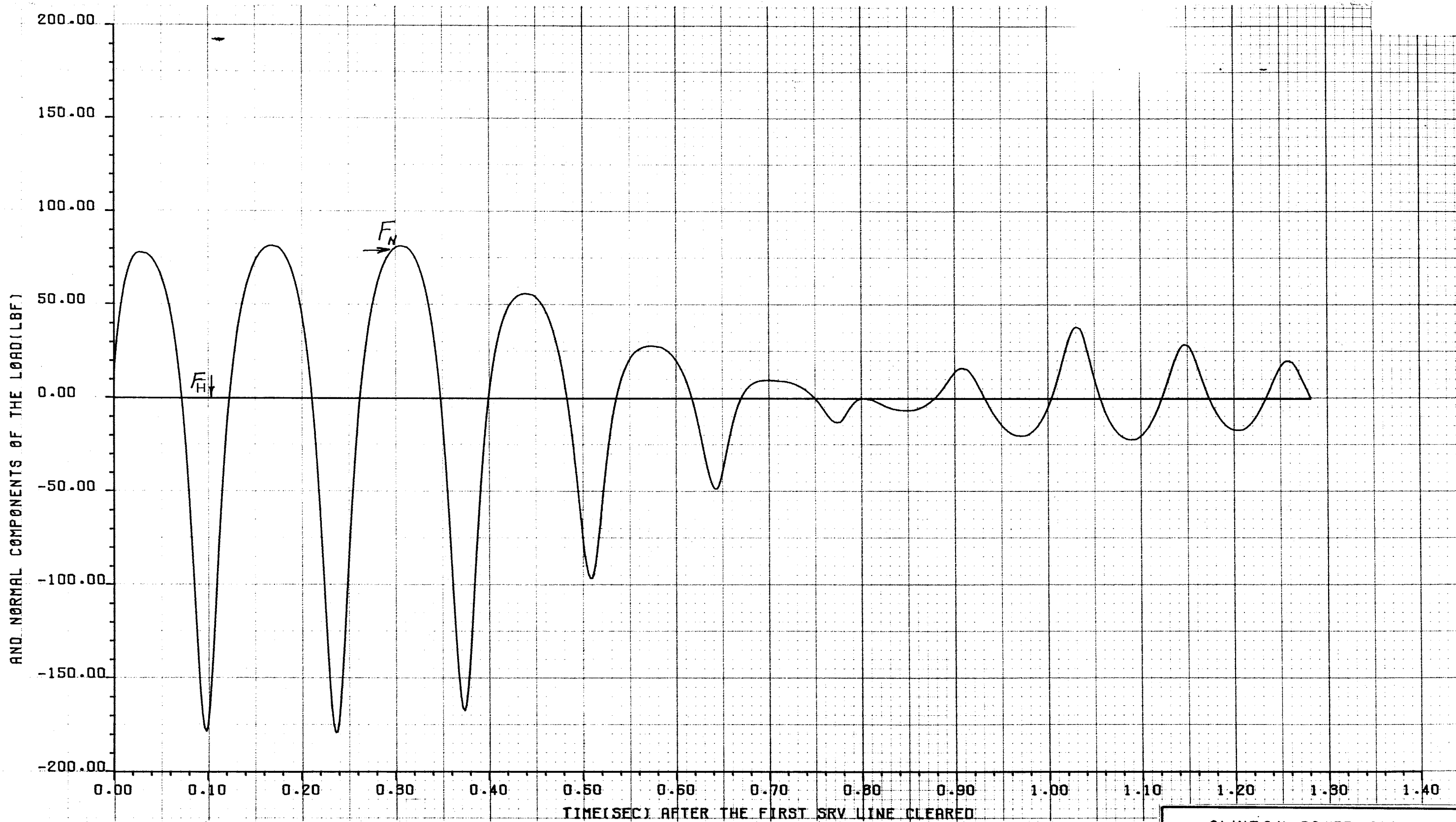
NOTE: Not to Scale

SYMBOL

- - Node Number
- L - Node Length ~ Inches
- D - Diameter ~ Inches
- +F<sub>H</sub> - Positive Horizontal Direction
- +F<sub>N</sub> - Positive Normal Direction

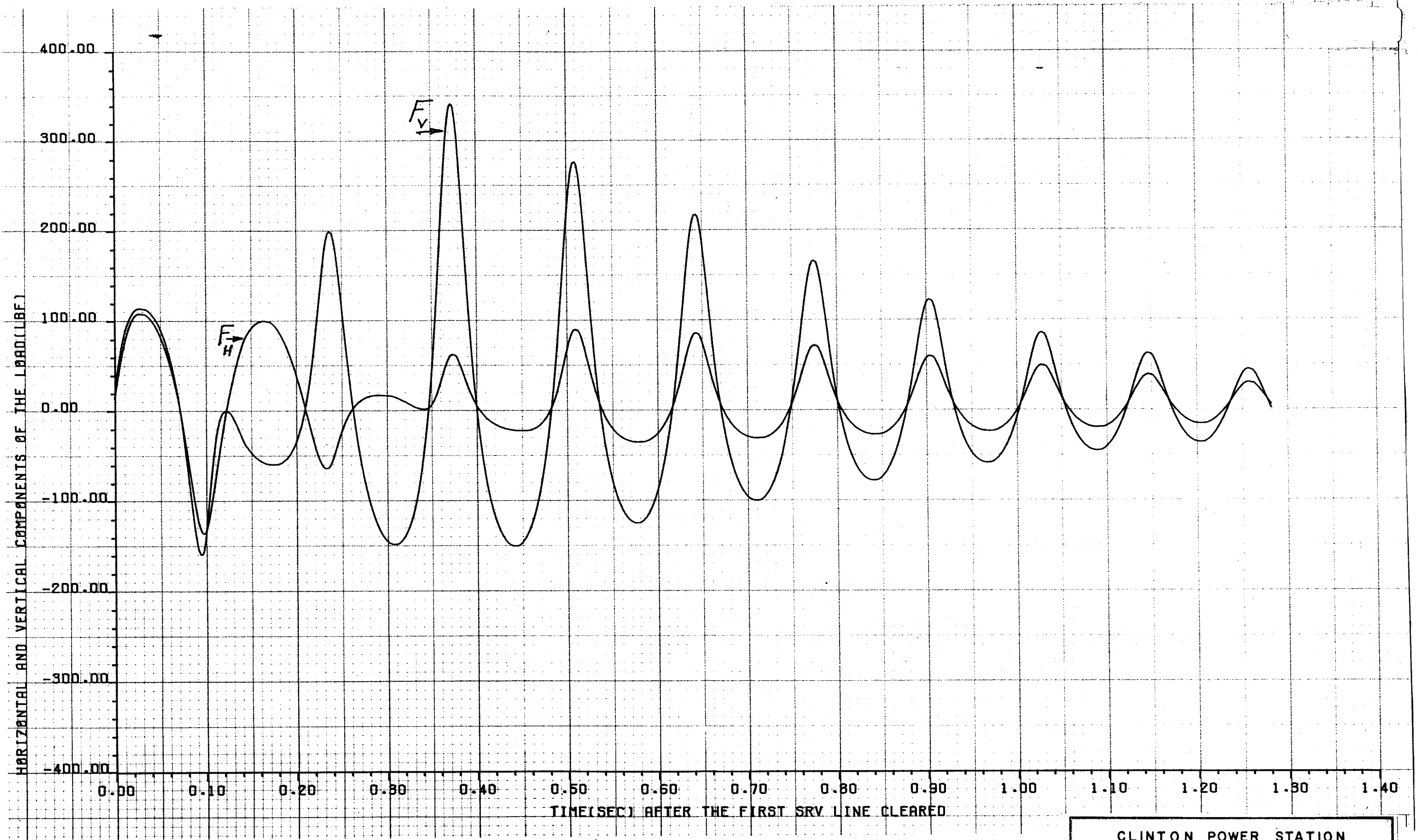
Figure A3.9-12: Schematic of Suppression Pool - Section "B" - "B"

<p><b>CLINTON POWER STATION</b>  <b>UPDATED SAFETY ANALYSIS REPORT</b></p>
<p>FIGURE A3.9-12</p>
<p>SCHEMATIC OF SUPPRESSION POOL  SECTION B-B</p>



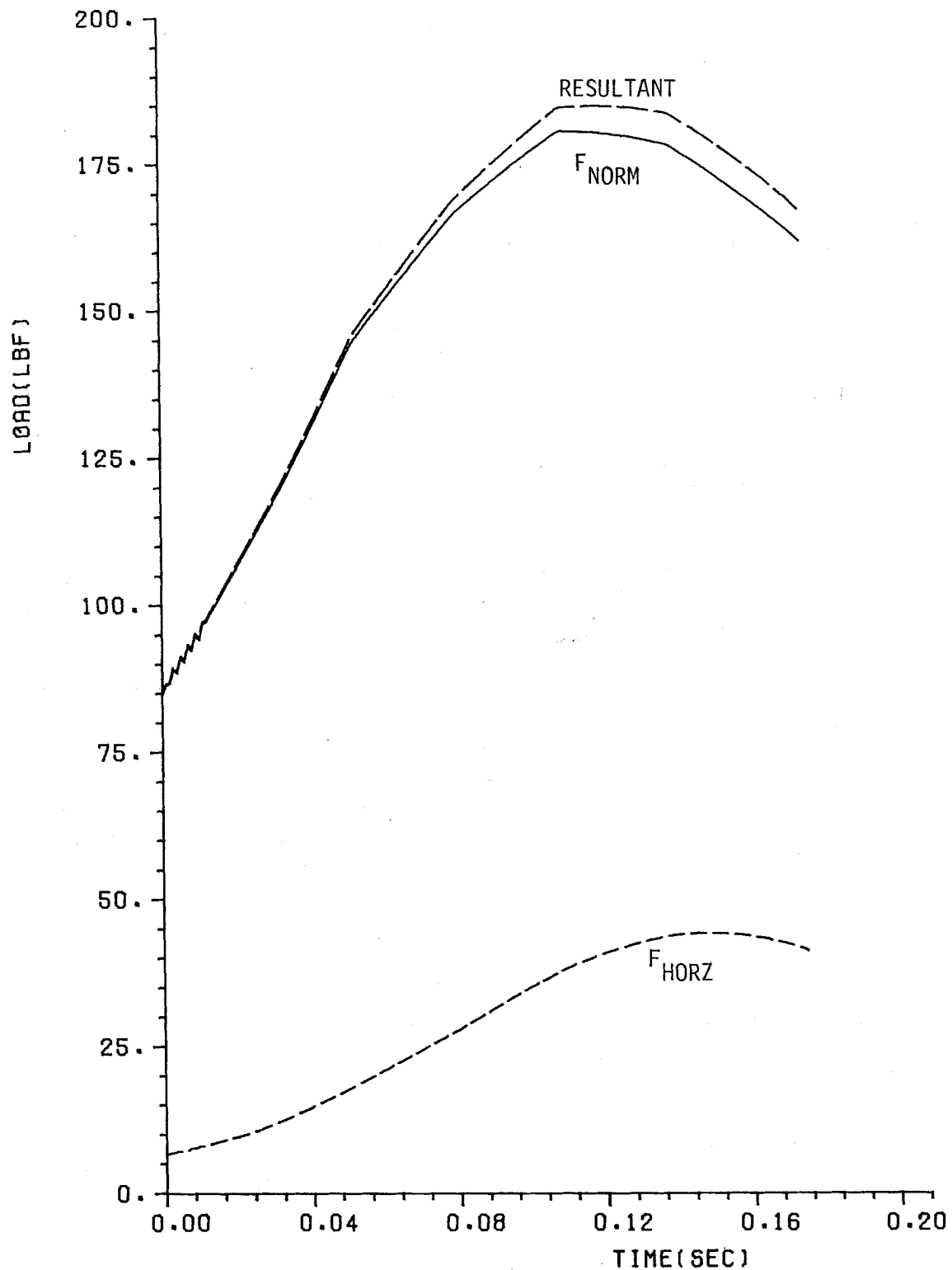
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 FIGURE A3.9-13  
 SVSP SRV LOAD ON SRVDL2  
 NODE 1 (MIDPOINT)



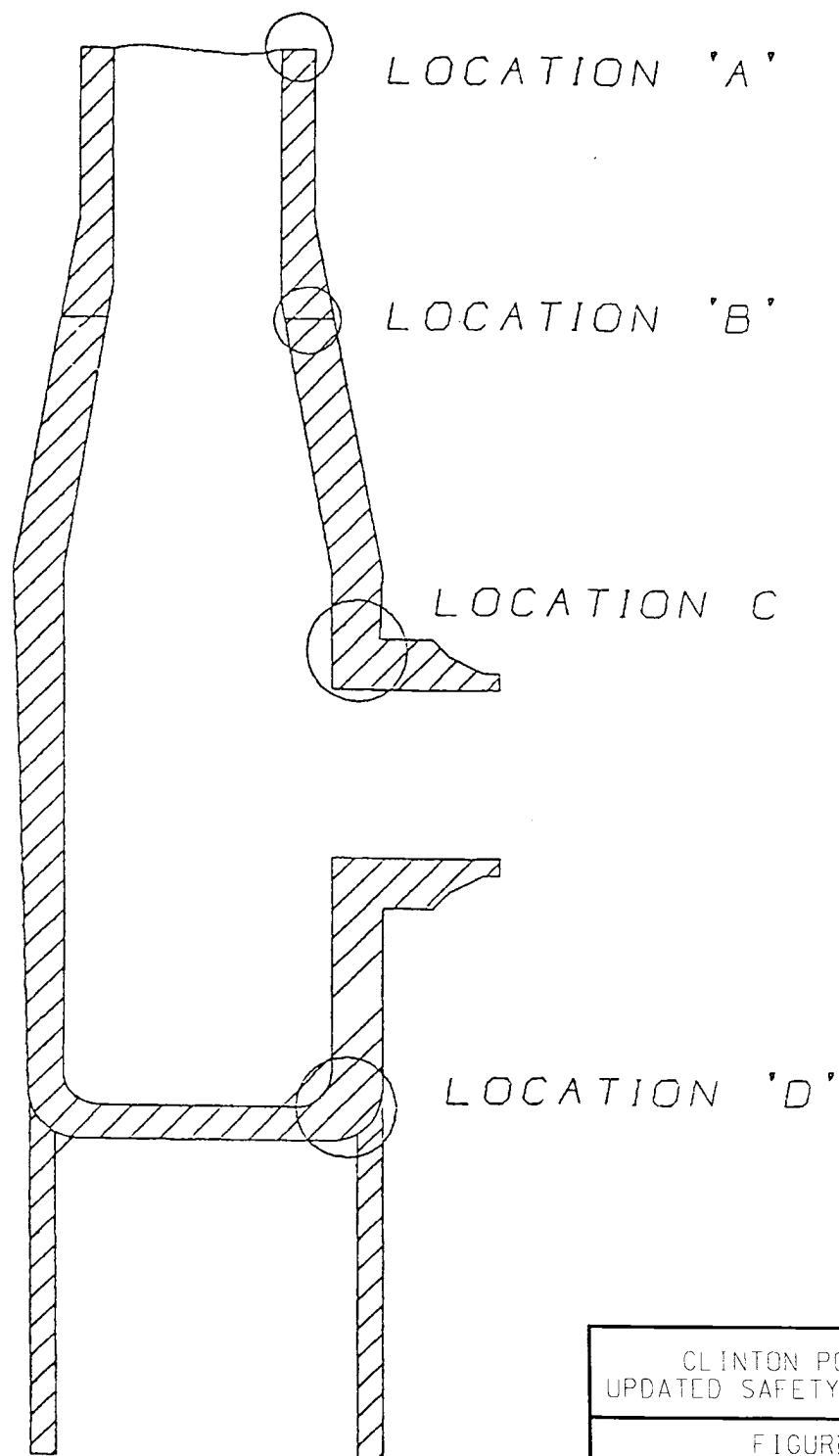


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 FIGURE A3.9-14  
 SVSP SRV LOAD ON QUENCHER ARM 2  
 NODE 2 (MIDPOINT)

FIGURES A3.9-15 THROUGH A3.9-22  
HAVE BEEN DELETED

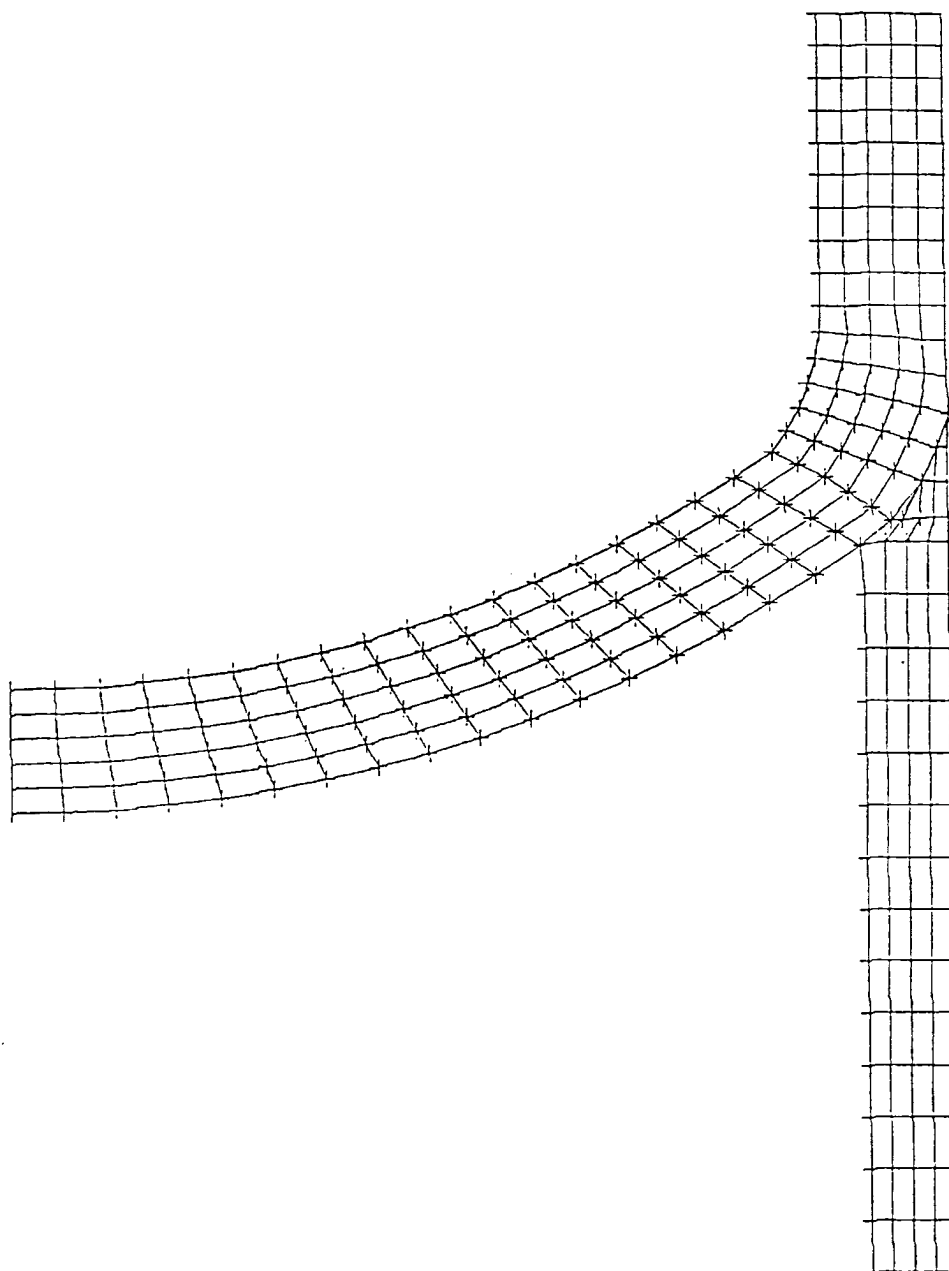


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 FIGURE A3.9-23  
 TYPICAL LOAD TIME HISTORY FOR SECTION 2,  
 LOCA CHARGING AIR BUBBLE



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FIGURE B3.9-1
CLINTON X-QUENCHER CRITICAL LOCATIONS
Q&R 210.02

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FIGURE B3.9-2  
FINITE ELEMENT MODEL OF LOCATION "D"  
Q&R 210.02

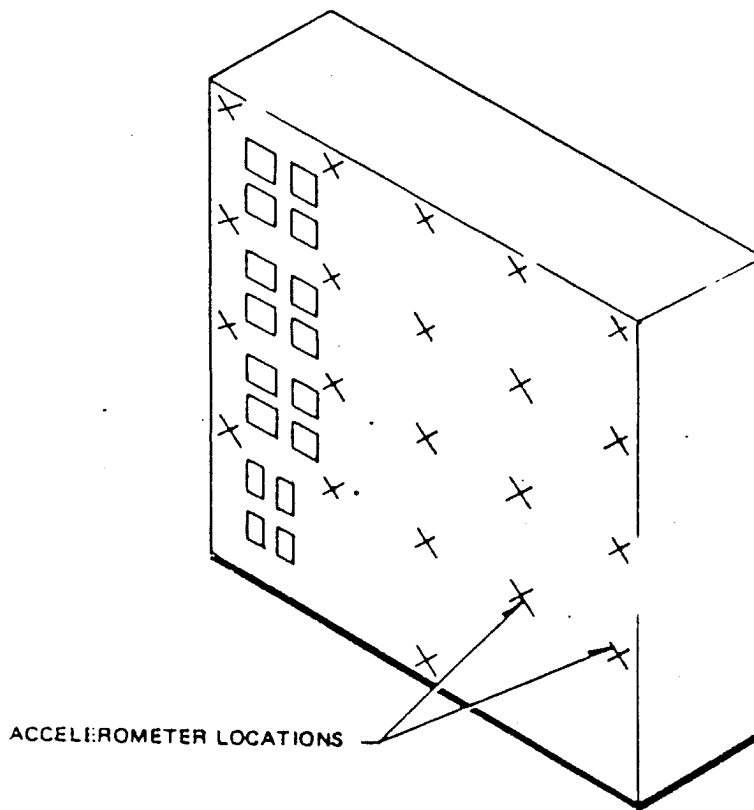


Figure 3.10-1. Typical Vertical Board (Benchboard Would be the Same with a Bench Section Protruding Out About Half-way Down)

CPS-USAR

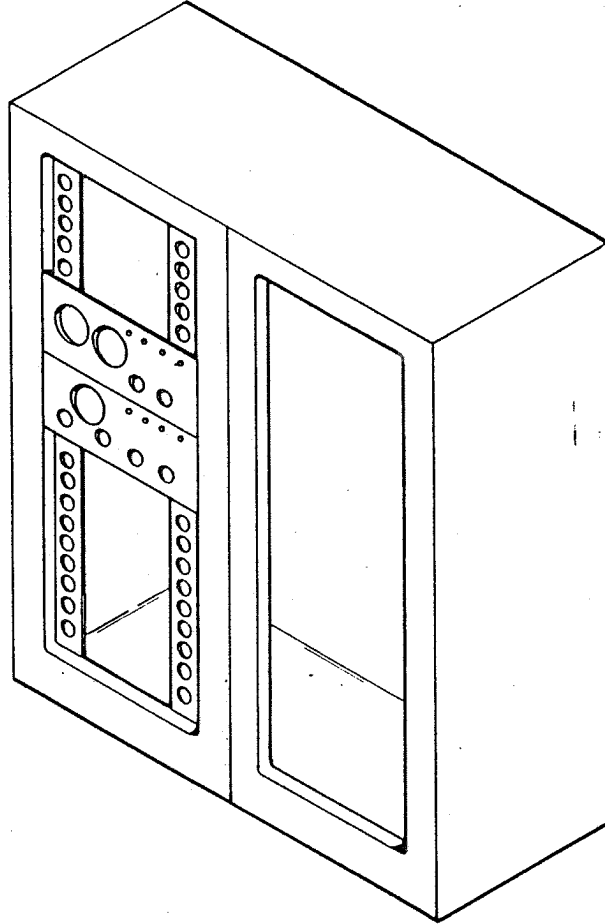


Figure 3.10-2. Instrument Rack (Cabinet would Contain Pages or Other Special Instruments instead of Simple Drawer Type Instruments)

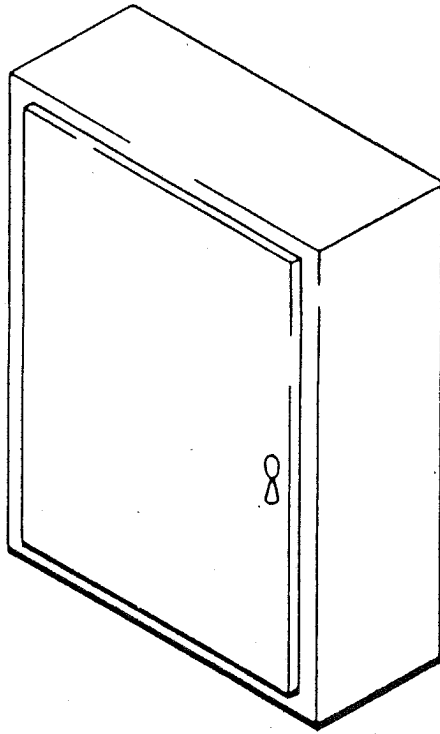


Figure 3.10-3. NEMA Type-12 Enclosure (Instruments Mounted Inside on Internal Membrane Mounted on Standoffs Attached to Back)



CPS-USAR

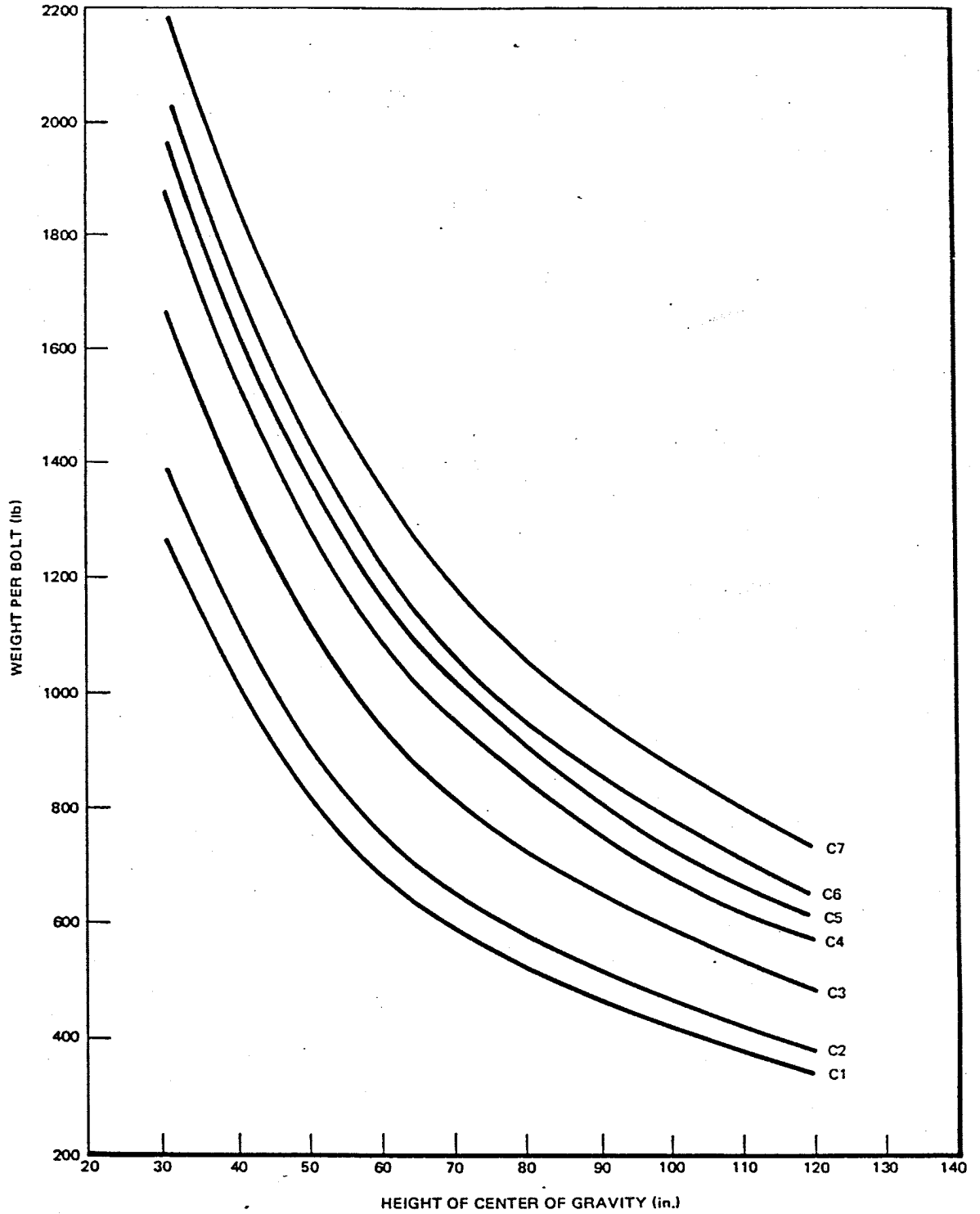


Figure A3.10-1 Maximum Safe Weight per Bolt for Standard Enclosure as a Function of the Height of the Center of Gravity

WEIGHT = 2500 lb  
PANEL NO. = 730E811

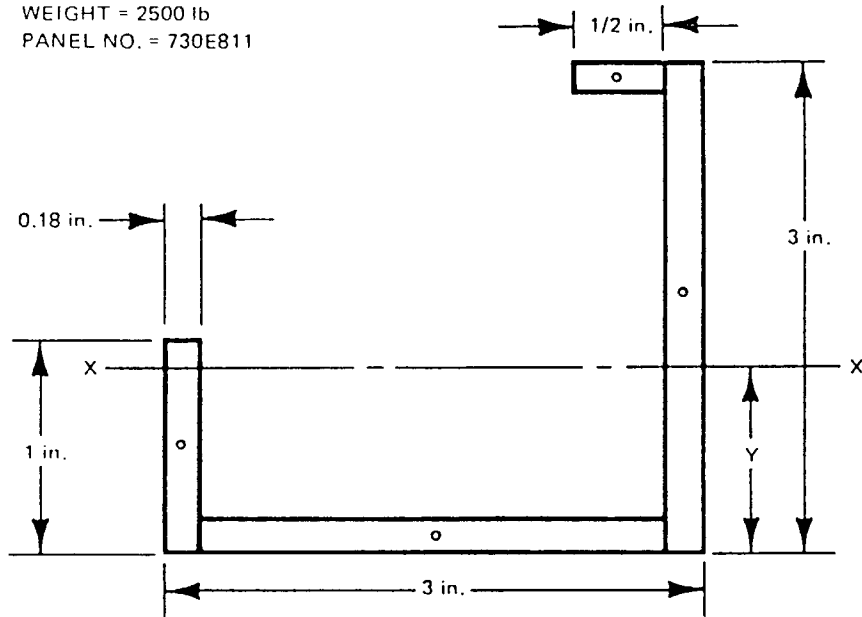


Figure B3.10-1. Corner Post

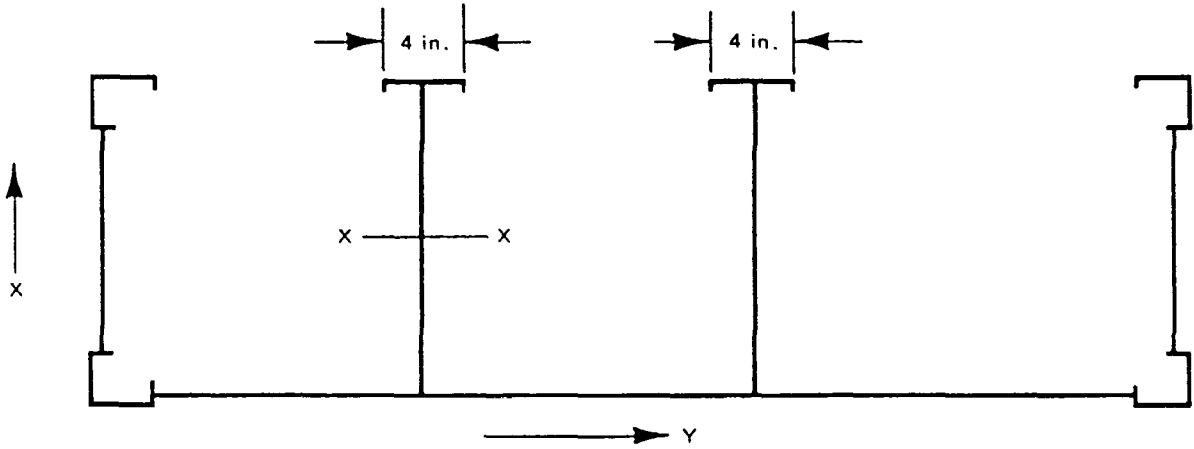


Figure B3.10-2. Plan View of Panel

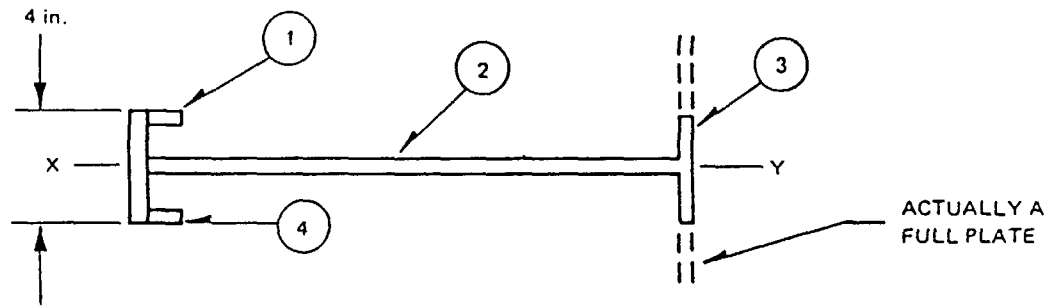


Figure B3.10-3. Barrier With Two End Plates

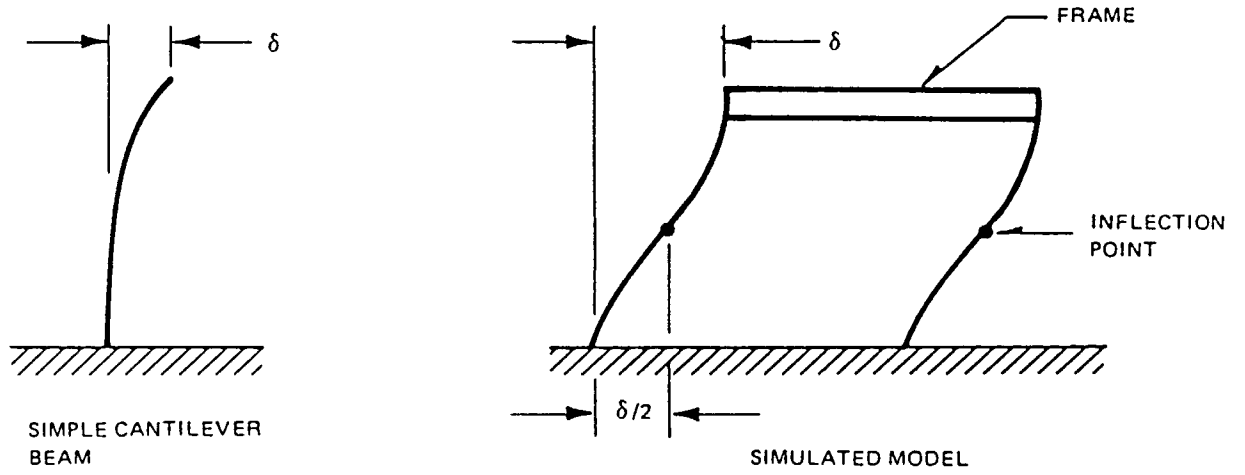
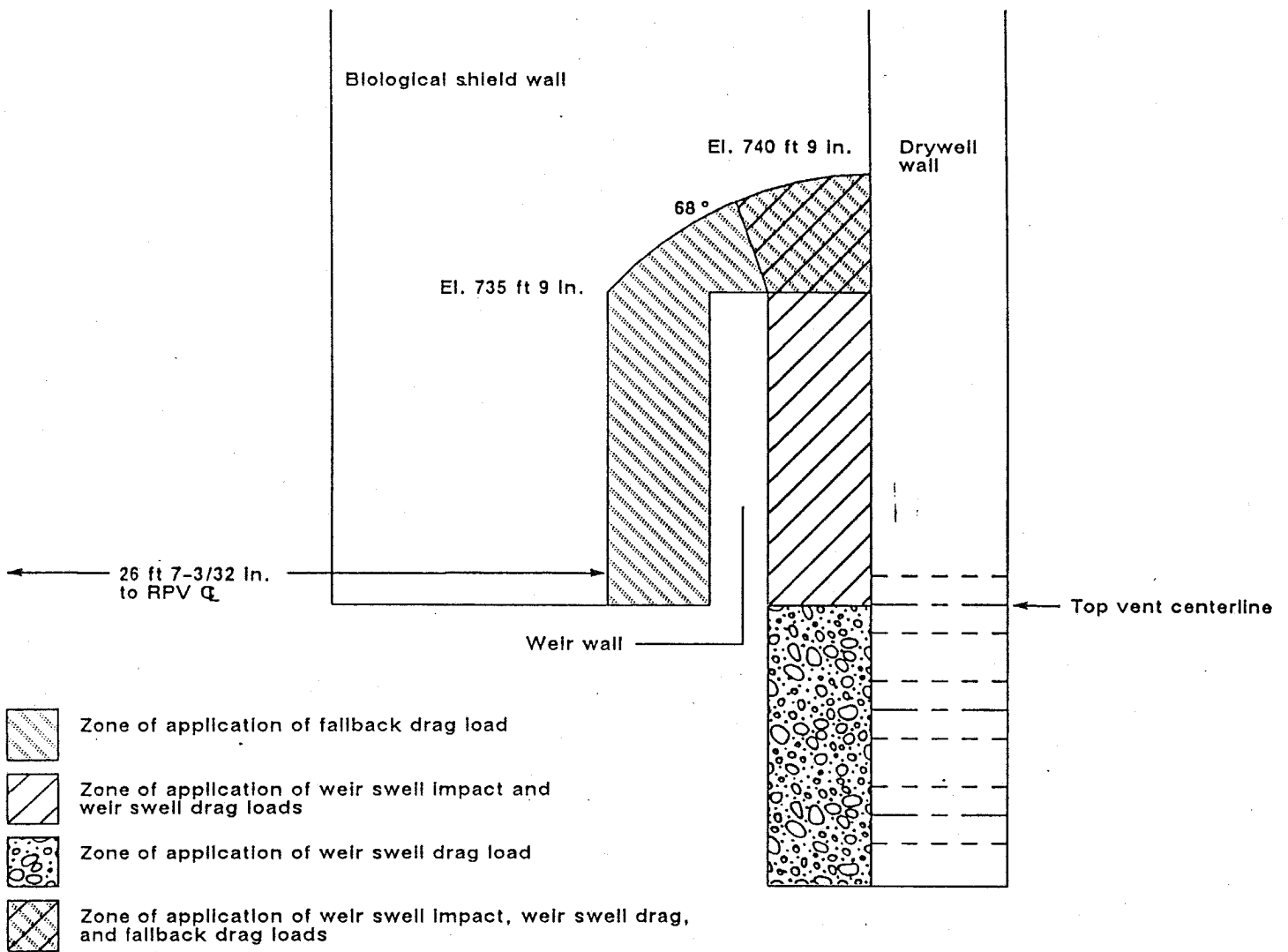


Figure B3.10-4. Panel Deflections

**CPS/USAR**

Figures 3.11-1 through 3.11-15  
Deleted



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FIGURE 3.11-16

WEIR SWELL IMPACT,  
 DRAG AND FALLBACK DRAG ZONES