

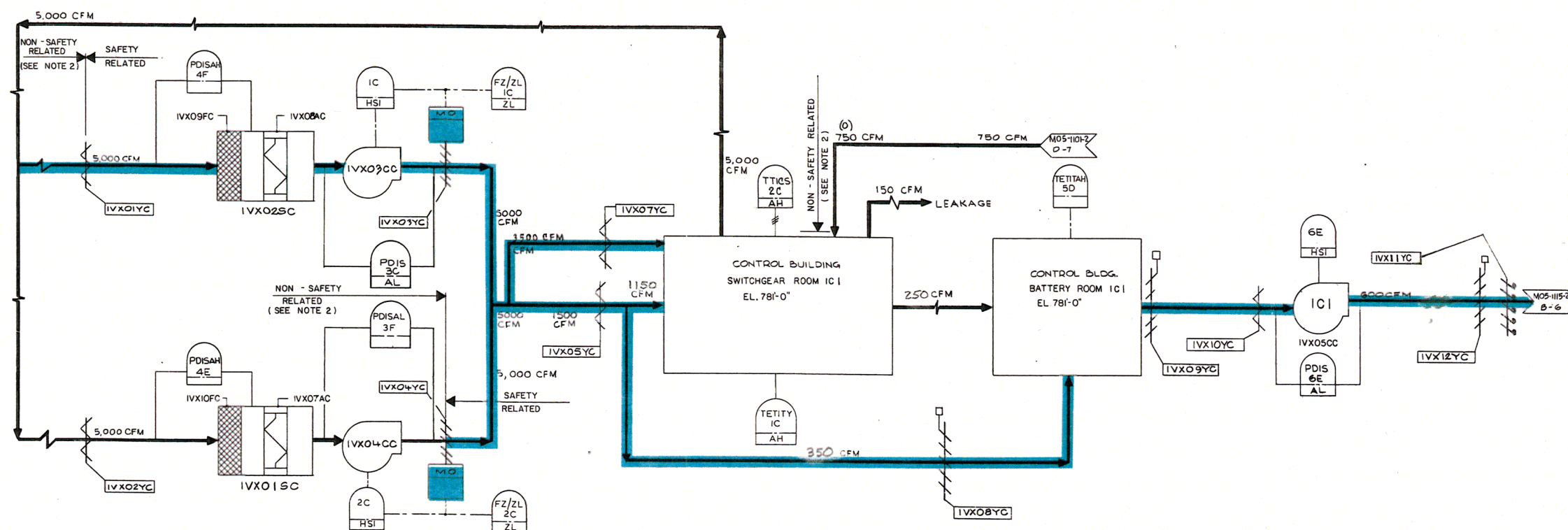
MOS-1115

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-2900. 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.

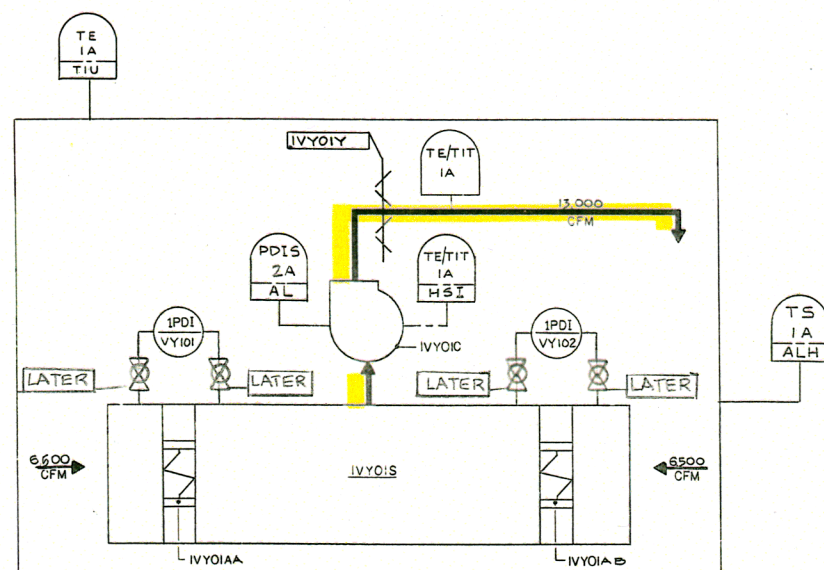
NUCLEAR SAFETY RELATED
ITEMS ARE SHOWN ON THIS DRAWING
(FOR SAFETY CLASSIFICATION SEE PIPING,
EQUIPMENT, VALVE, OR INSTRUMENT LISTS.)

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

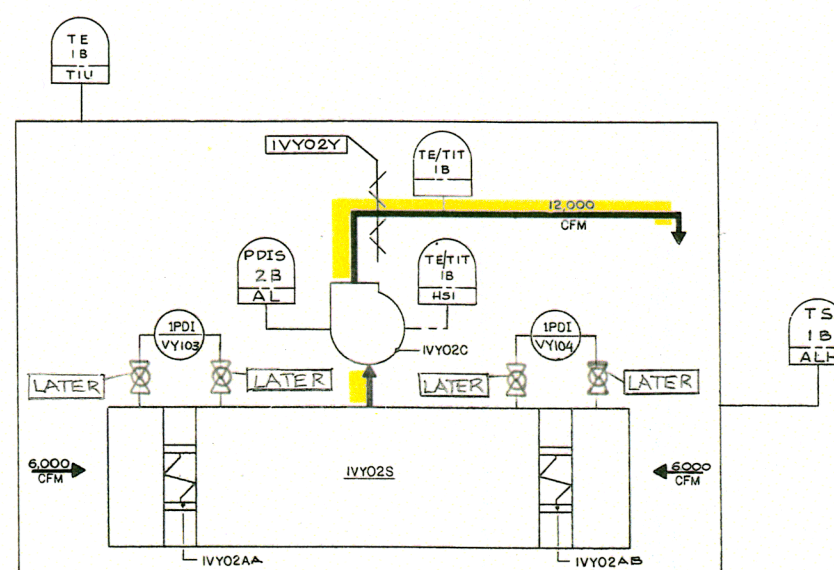
FIGURE 3.6-1
DIVISIONAL SEPARATION AND
HIGH-ENERGY P&ID'S-
ESSENTIAL SWITCHGEAR HEAT REMOVAL
SHEET 102 OF 111

SHEET 1 OF 1
M011-90W

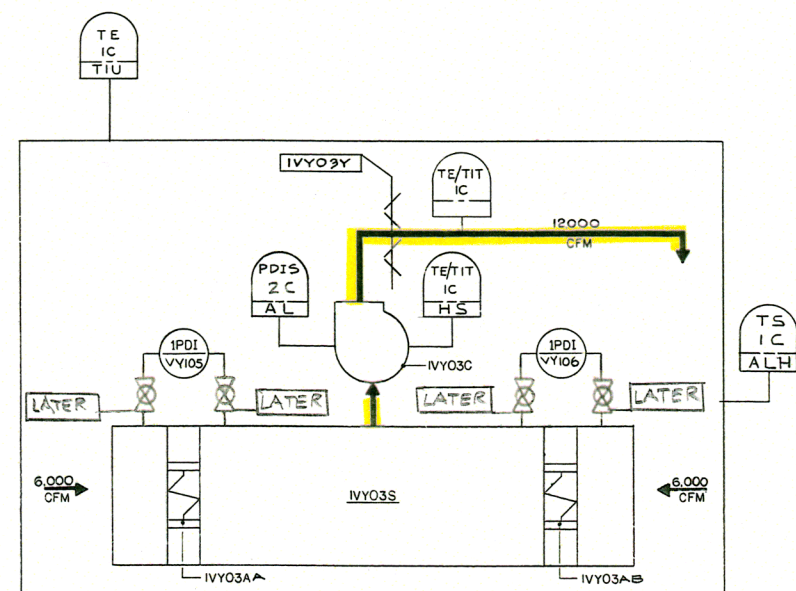
IVY01S ECCS LPCS PUMP ROOM COIL CABINET K-2902
 IVY01C ECCS LPCS PUMP ROOM SUPPLY FAN K-2904
 IVY01AA, AB ECCS LPCS PUMP ROOM COOLING COIL K-2902
 IVY02C ECCS RHR PUMP ROOM A SUPPLY FAN K-2904
 IVY02S ECCS RHR PUMP ROOM A COIL CABINET K-2902
 IVY02AA, AB ECCS RHR PUMP ROOM A COOLING COIL K-2902
 IVY03C 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
 IVY04AA, AB 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



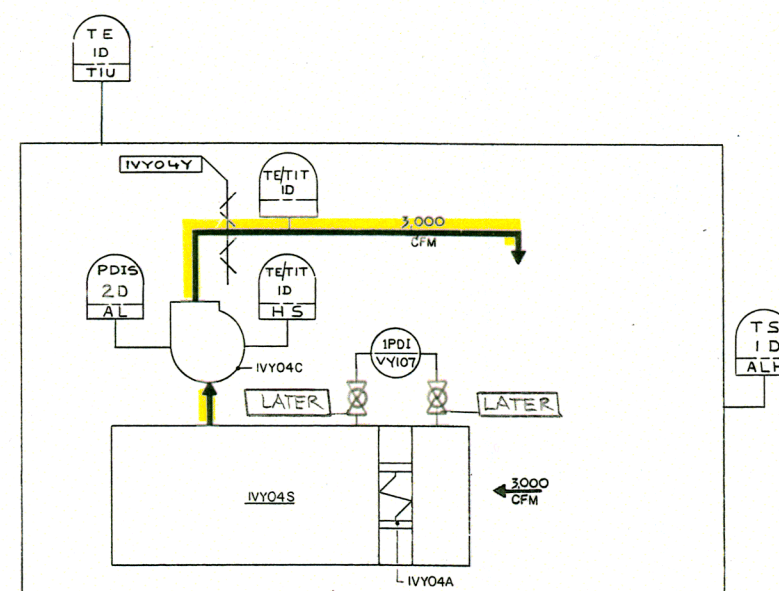
LPCS PUMP ROOM



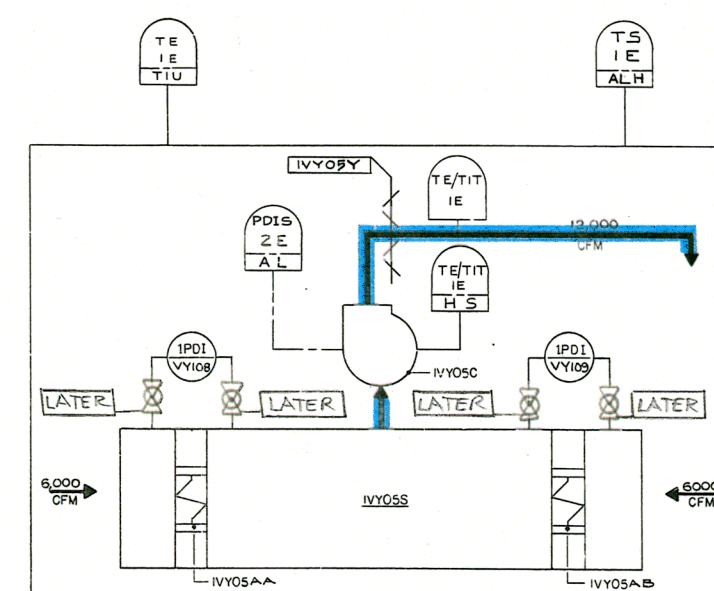
RHR PUMP A ROOM



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/FT³.
 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.)

CLINTON POWER STATION
 UPDATED SAFETY ANALYSIS REPORT
 FIGURE 3.6-1
 DIVISIONAL SEPARATION AND
 HIGH-ENERGY P&ID'S-
 ECCS EQUIPMENT ROOM COOLING
 (SHEET 103 OF 111)

9111-GOW

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

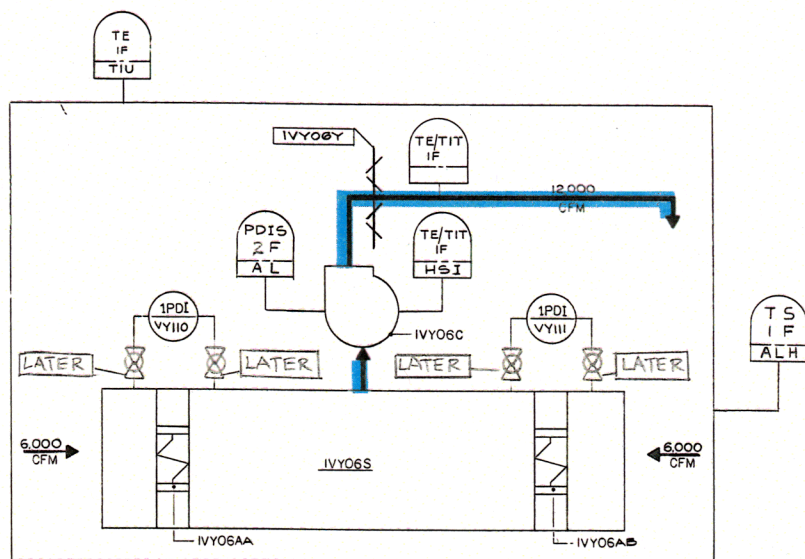
IVY08AA, AB, AC, AD
ECCS
HPCS PUMP ROOM
COOLING COILS A, B, C, D
K-2902

IVY08SA, B
ECCS
HPCS PUMP ROOM
COIL CABINETS A & B
K-2902

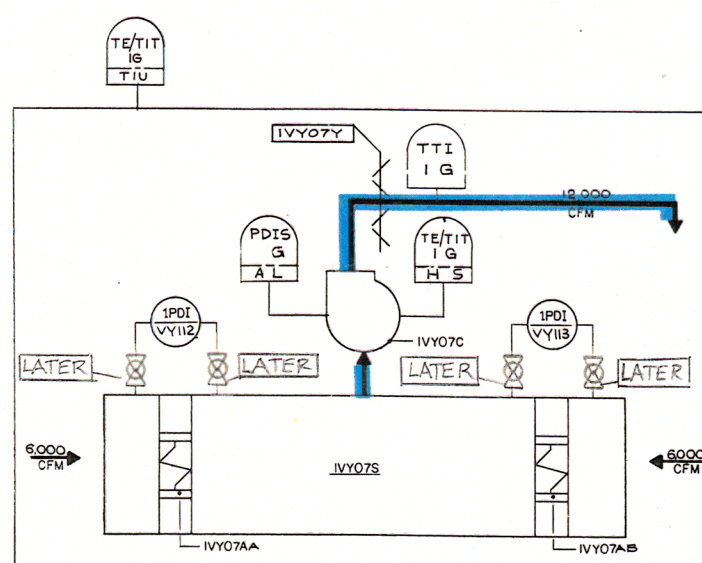
IVY09S
MSIV INBOARD ROOM
COIL CABINET
K-2902
IVY10S
MSIV OUTBOARD ROOM
COIL CABINET
K-2902

IVY09A
MSIV INBOARD ROOM
COOLING COIL
K-2902
IVY10A
MSIV OUTBOARD ROOM
COOLING COIL
K-2902

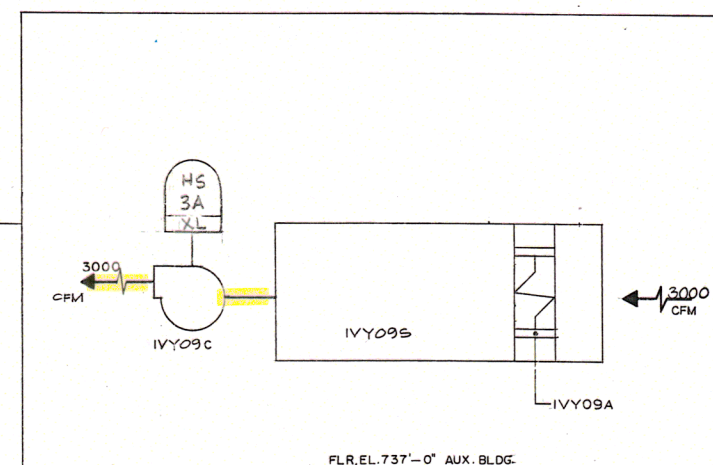
IVY09C
MSIV INBOARD ROOM
SUPPLY FAN
K-2904
IVY10C
MSIV OUTBOARD ROOM
SUPPLY FAN
K-2904



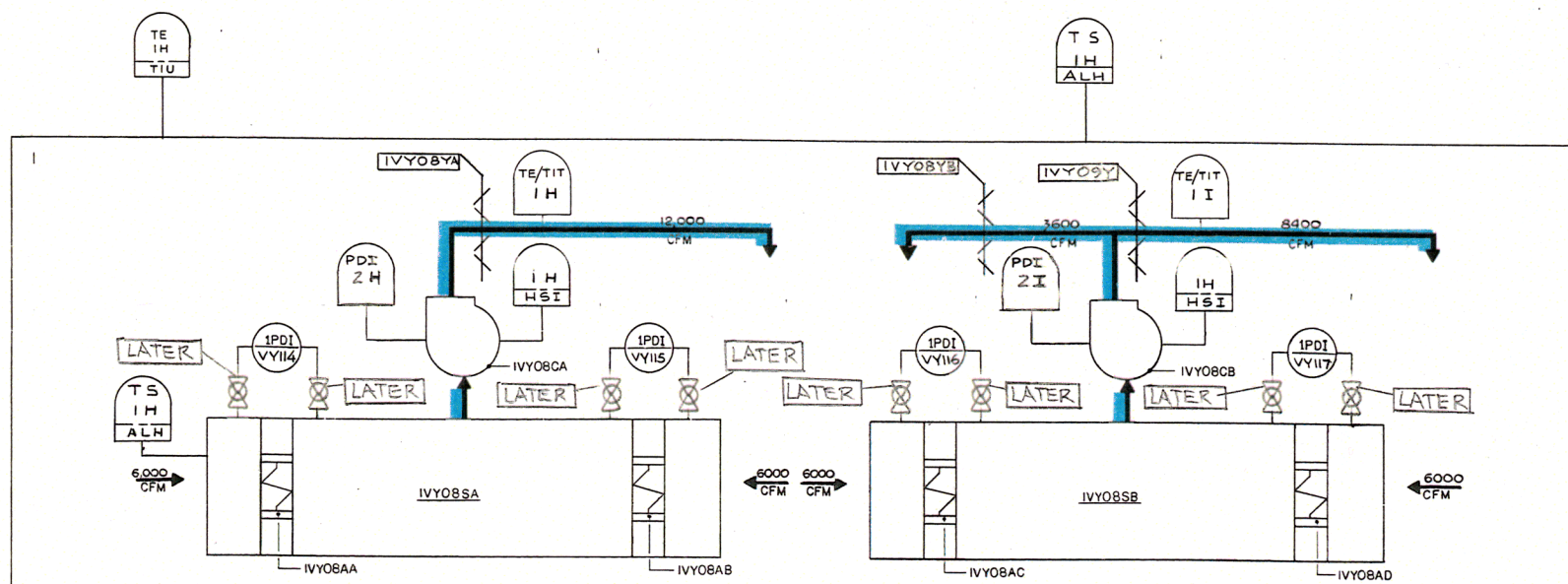
RHR PUMP B ROOM



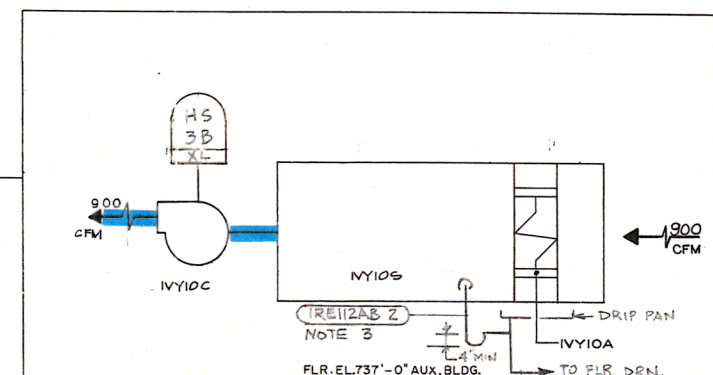
RHR PUMP C ROOM



MSIV INBOARD ROOM



HPCS PUMP ROOM



MSIV OUTBOARD ROOM

- NOTES:
1. THE AIRFLOW FOR CABINETS WERE CALCULATED AT A DENSITY OF .075 lb/ft³.
 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-290. 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 M10-9116
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)

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

NOTES:

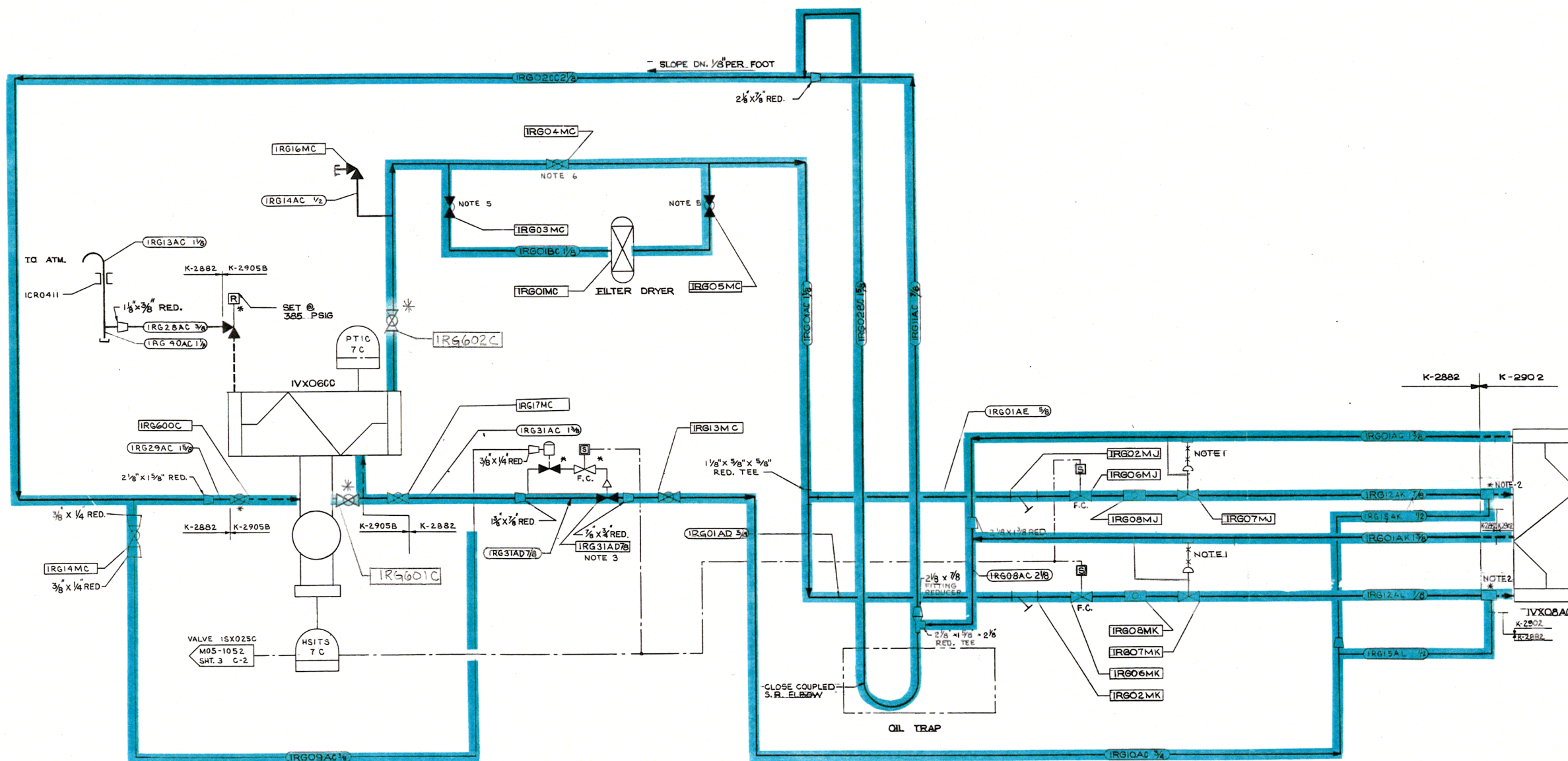
1. V4 EQUALIZER LINES
2. SIDE INLET HOT GAS BY-PASS VENTURI TYPE DISTRIBUTOR.
3. HOT GAS BY-PASS ASSEMBLY
4. * INDICATES FURNISHED WITH EQUIPMENT.
5. VALVES ARE NORMALLY OPEN DURING START-UP AND PRE-OP. TESTING ONLY. NORMALLY CLOSED DURING NORMAL OPERATION.
6. VALVES ARE NORMALLY CLOSED DURING START-UP AND PRE-OP TESTING ONLY. NORMALLY OPEN DURING NORMAL OPERATION.

NOTE
THE P&ID/C&I DIAGRAMS FOR THE C&I
FUNCTION SYMBOLS ARE SHOWN ON DRAWING M10-9115
UNLESS OTHERWISE NOTED SHEET NUMBER & DIAGRAM
REFERENCE ARE SHOWN IN THE FUNCTION SYMBOL

**CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT**

IVX0600
SWITCHGEAR HEAT REMOVAL
CONDENSING UNIT IC
K-2905B

IVX0800
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.)

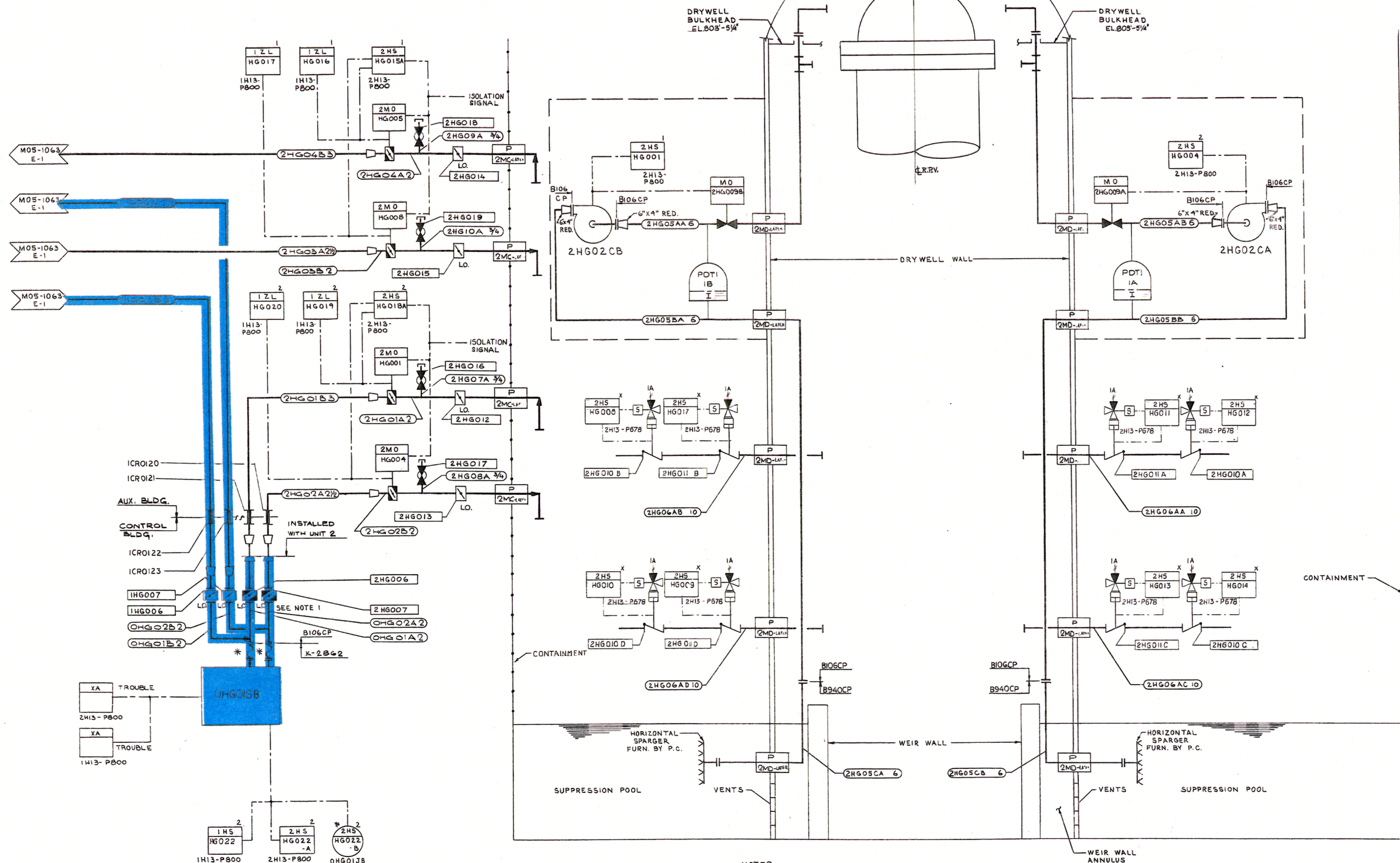
NOTE
THE P&ID/C&I DIAGRAMS FOR THE C&I
FUNCTION SYMBOLS ARE SHOWN ON DRAWING M10-2115
UNLESS OTHERWISE NOTED SHEET NUMBER & DIAGRAM
REFERENCE ARE SHOWN IN THE FUNCTION SYMBOL

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 106 OF 111

OHGOISB
CGCS HYDROGEN RECOMBINER
K-2862

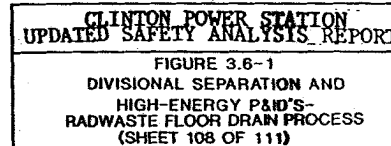
2HG02CA & 2HG02CB
CGCS HYDROGEN
COMPRESSORS 2A & 2B
K-2862

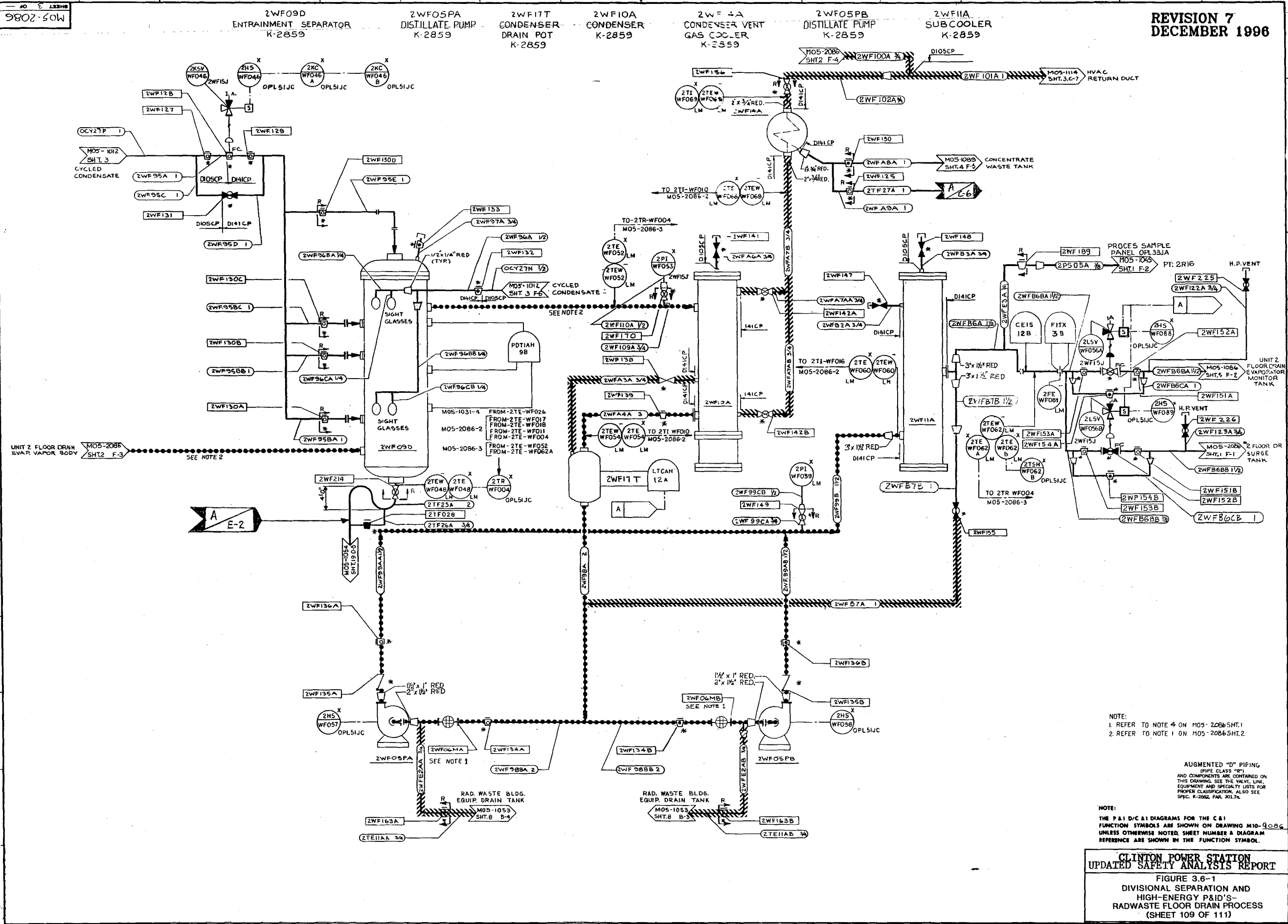


NOTES: 1. WHEN UNIT 2 IS INSTALLED, VALVES 1HG006 AND 1HG007 SHALL BE LOCKED CLOSED, AND VALVES 2HG006 AND 2HG007 SHALL BE LOCKED OPEN.

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

NOTE:
THE P&ID'S AND 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.





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 "D")
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)

PAUSE #	INSTR. #
K11-P301	FT-K11-0008
	PT-K11-0008
	FT-K11-0007
	FT-K11-0007
	FT-K11-0007
	FT-K11-0007
	POT-K11-0005
	FT-K11-0004
	POT-K11-0011
	PT-K11-0028
K11-P302	FT-K11-0003
	PT-K11-0003
	FT-K11-0003
	PT-K11-0003
	FT-K11-0004
	POT-K11-0005
	PT-K11-0006
	PT-K11-0006
	PT-K11-0006
	PT-K11-0006
	PT-K11-0007
	POT-K11-0003
	PT-K11-0010
	PT-K11-0012
	PT-K11-0013
	PT-K11-0015
	PT-K11-0016
	PT-K11-0016
	FT-K11-0004
	FT-K11-0004
	FX-K11-0001

NOTE: FY-IC11-K001

★ THESE INSTRUMENTS SHALL BE PROVIDED WITH HIGH POINT VENT VALVES ABOVE INSTRUMENT.

LINE IDENTIFICATION

NOTATION	MATERIAL	CLASSIFICATION	SCHEDULE	SECTION
CBB	SA-313P304	SECT III CL-2	80	CL-1
CBD	SA-313P304	B31-1	80	NON-SUS
CCA	SA-106G8	SECT III CL-2	100	CL-1
CDB	SA-106G8	SECT. III CL-2	100	CL-1
JUD	COPPER	B31-1	B-88Type K	NON-SUS
CCC	SA-106G8	SECT. III CL-2	80	CL-2

* DENOTES MISC COMPONENTS FURNISHED WITH ASSOCIATED PIPING SYSTEM BY RCS.

NOTE:
1- FOUR PRESSURE REDUCING ORIFICES TO BE FURNISHED BY OTHERS & INSTALLED BY R63 IN SERIES.
MINIMIZE STRAIGHT PIPE LENGTH BETWEEN EACH ORIFICE.

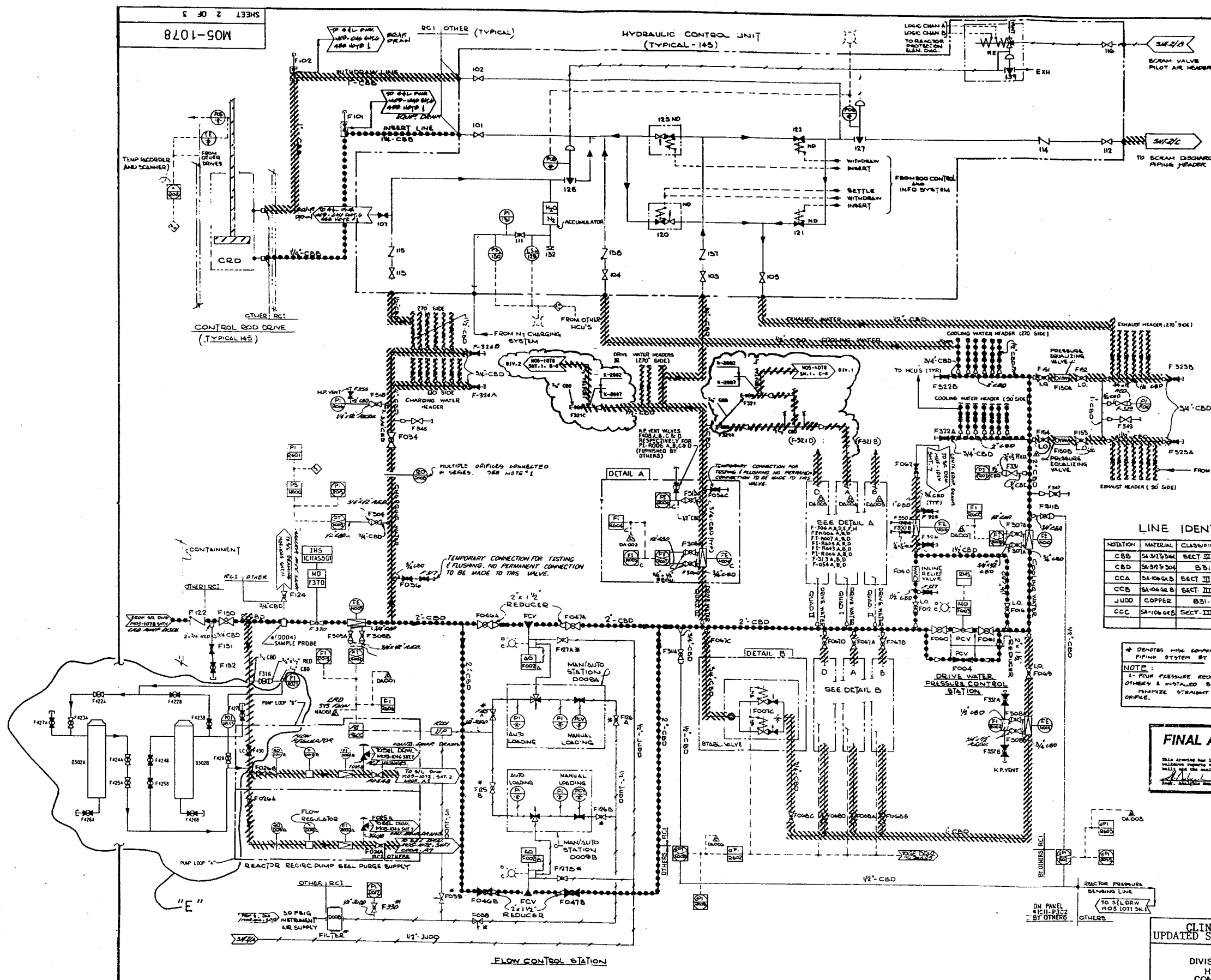
FINAL AS-BUILT DRAWING

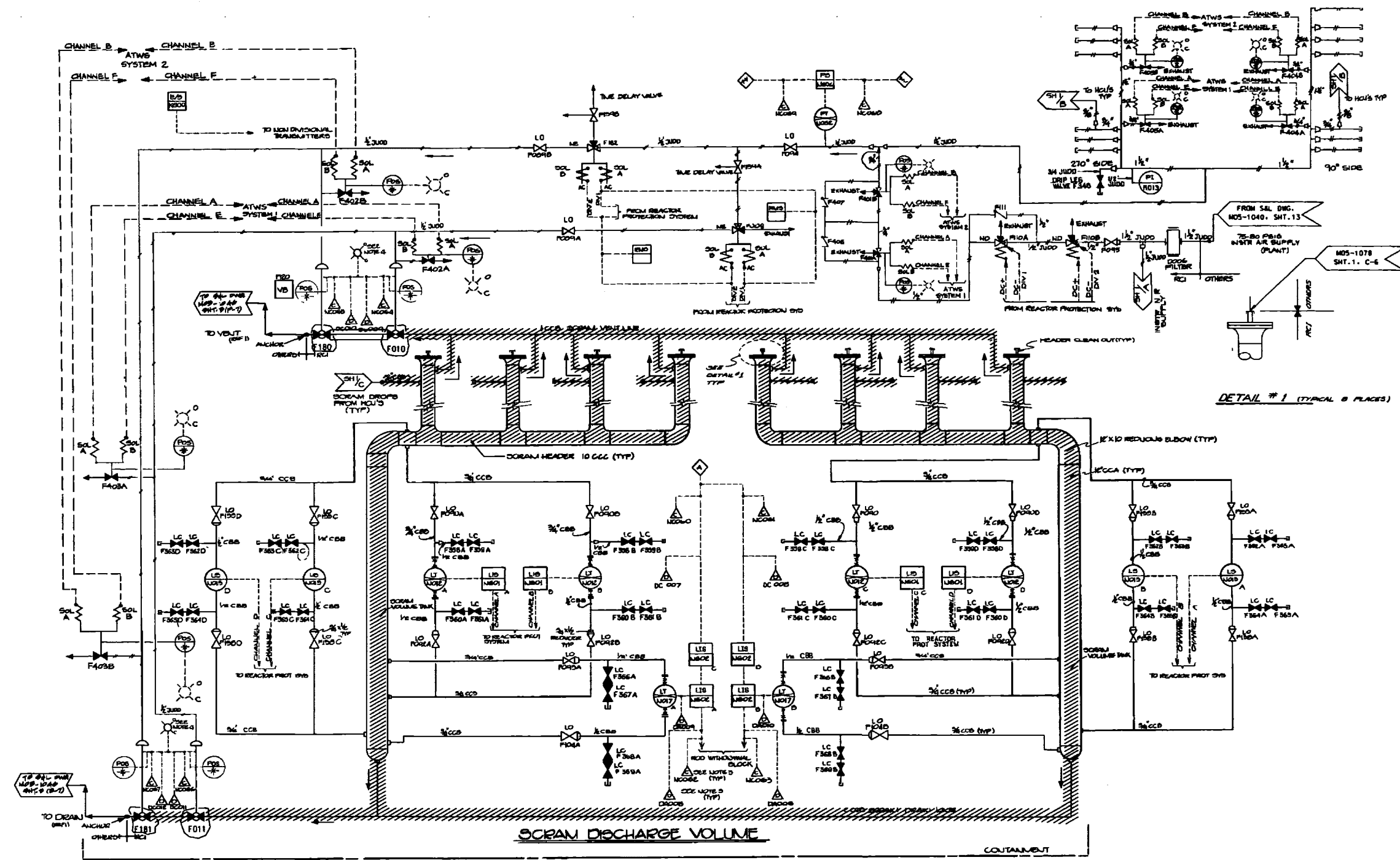
This drawing has incorporated all applicable NCRs, WCRs and walkdown reports to reflect compatibility between the as-built and the analyzed conditions.

Adrian C. 2/14/15 Don J. 2/14/15
 Insp. Adalberto Sanchez Date Insp. & Court. Manager Date

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.6-1
DIVISIONAL SEPARATION AND
HIGH-ENERGY P&ID'S-
CONTROL ROD DRIVE SYSTEM
(SHEET 110 OF 111)

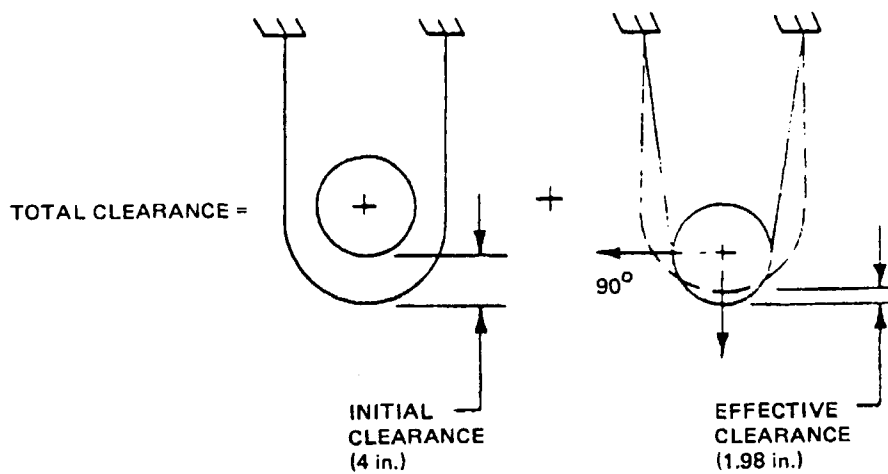
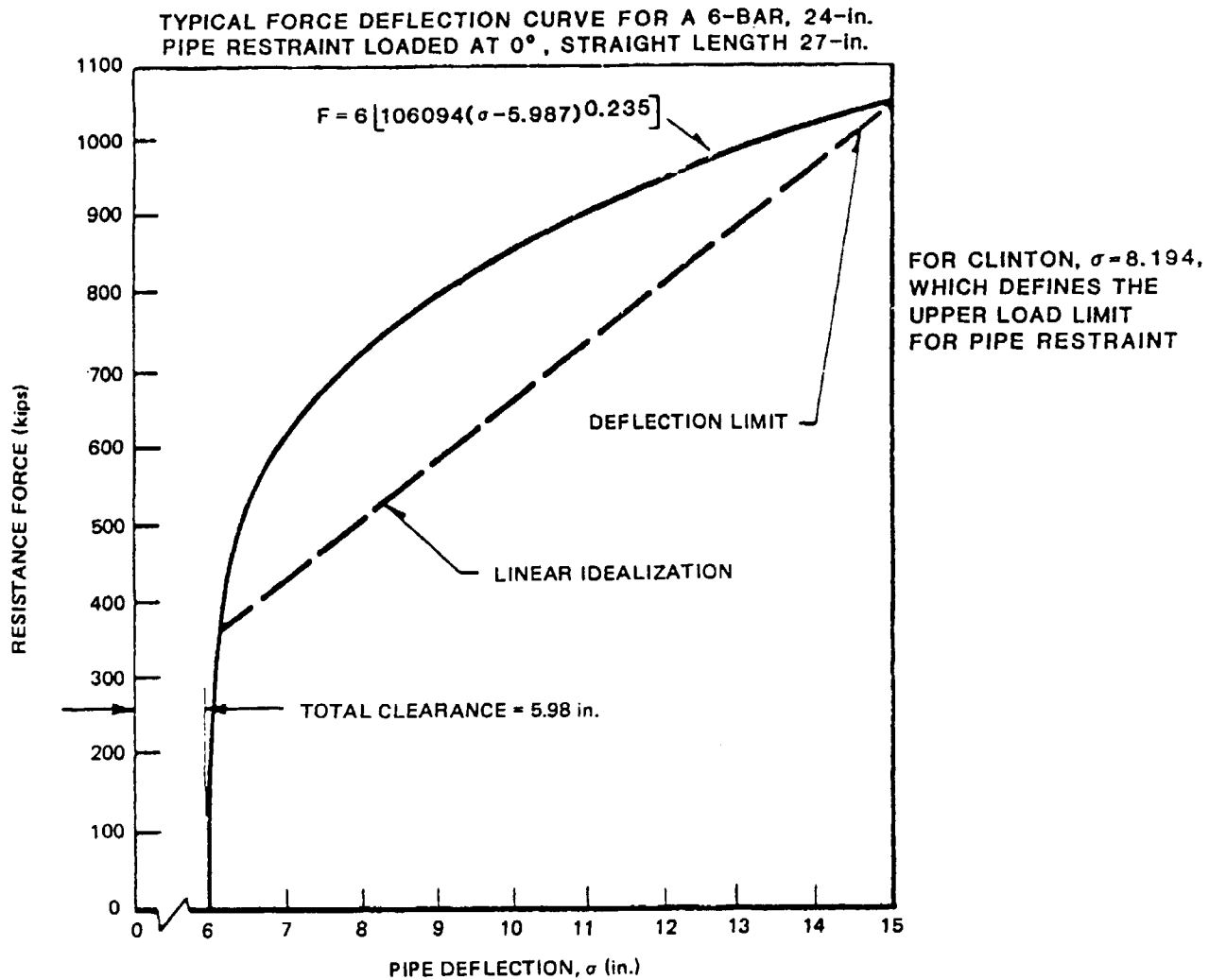




- NOTES
1. LEVEL TRANSMITTERS ON THE SCRAM DISCHARGE VOLUME WILL BE THE PULSED CAPILLARY TYPE.
 2. SOURCE VALUES TEST COIL MUST BE ASSIGNED TO PREVENT SURFING IN THE BOTTOM LEGS OR WITERS IN THE TOP LEGS.
 3. THESE ELECTRICAL SYMBOLS REPRESENT WIRING TO THE DISPLAY CONTROL SYSTEM FOR AUTO WITH MANDATORY LOCK CONTROL.
 4. INDICATE OPEN WHEN BOTH VALVES ARE OPENED AND CLOSED WHEN EITHER VALVE IS CLOSED.

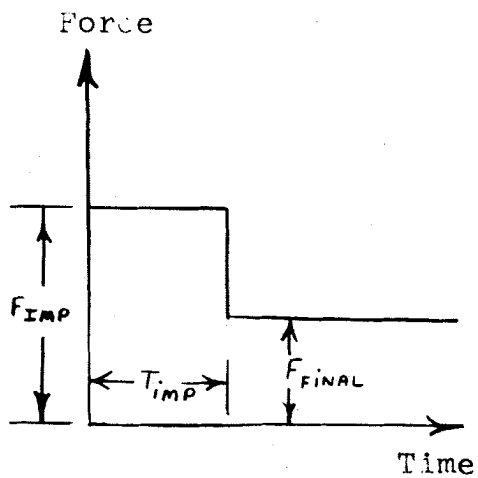


Revision 9
January 2001

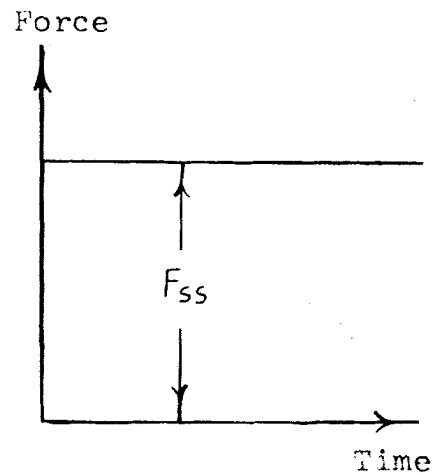


CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.6-2
TYPICAL RESTRAINT
FORCE-DEFLECTION CURVE



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



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

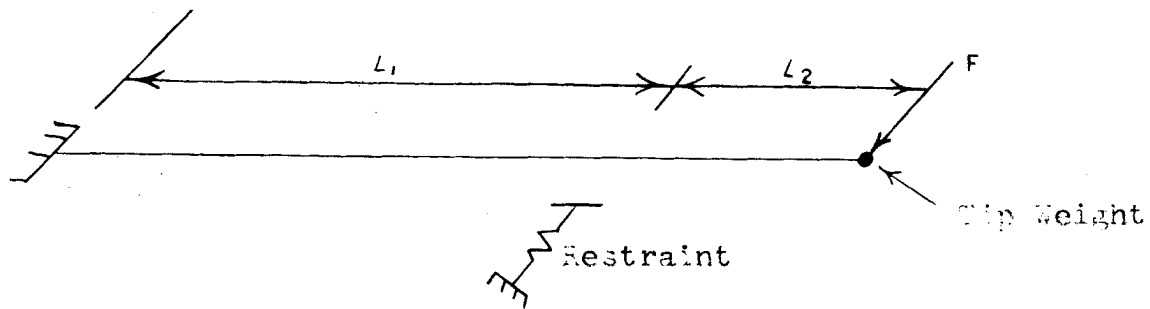
PIPE THRUST
RESULTING FROM A CIRCUMFERENTIAL BREAK

CLINTON POWER STATION
 UPDATED SAFETY ANALYSIS REPORT

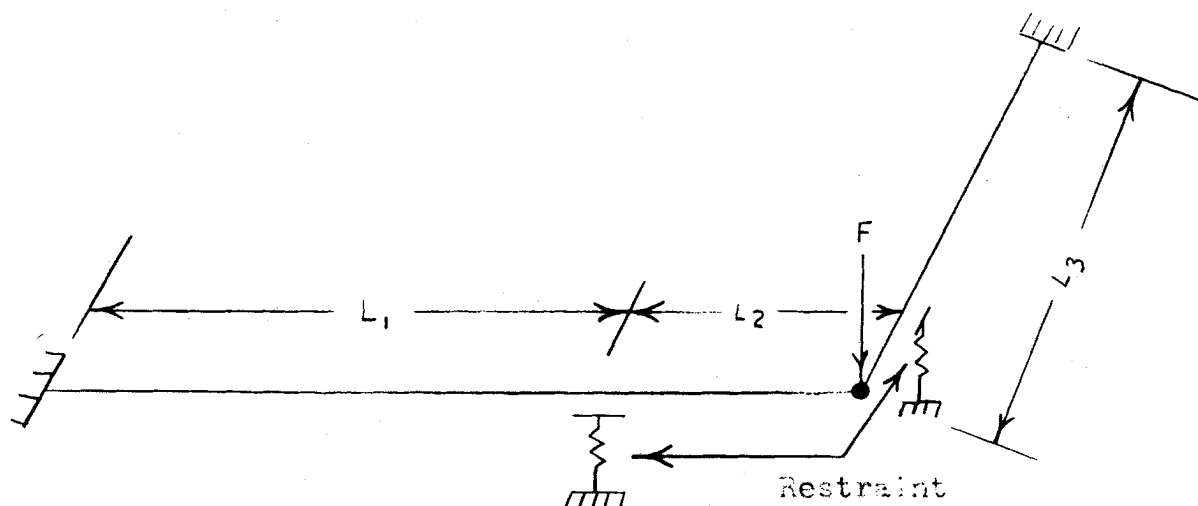
FIGURE 3.6-3

PIPE THRUST

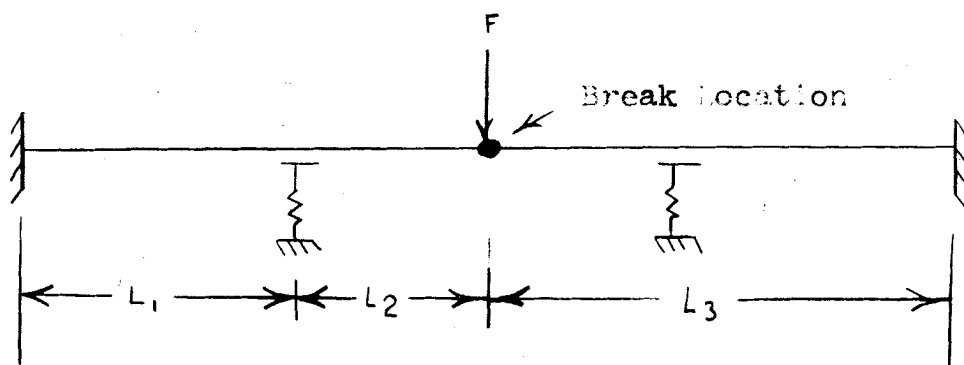
FIGURE 3.6-4
HAS BEEN DELETED



Circumferential Break at Elbow



Longitudinal Break at an Elbow



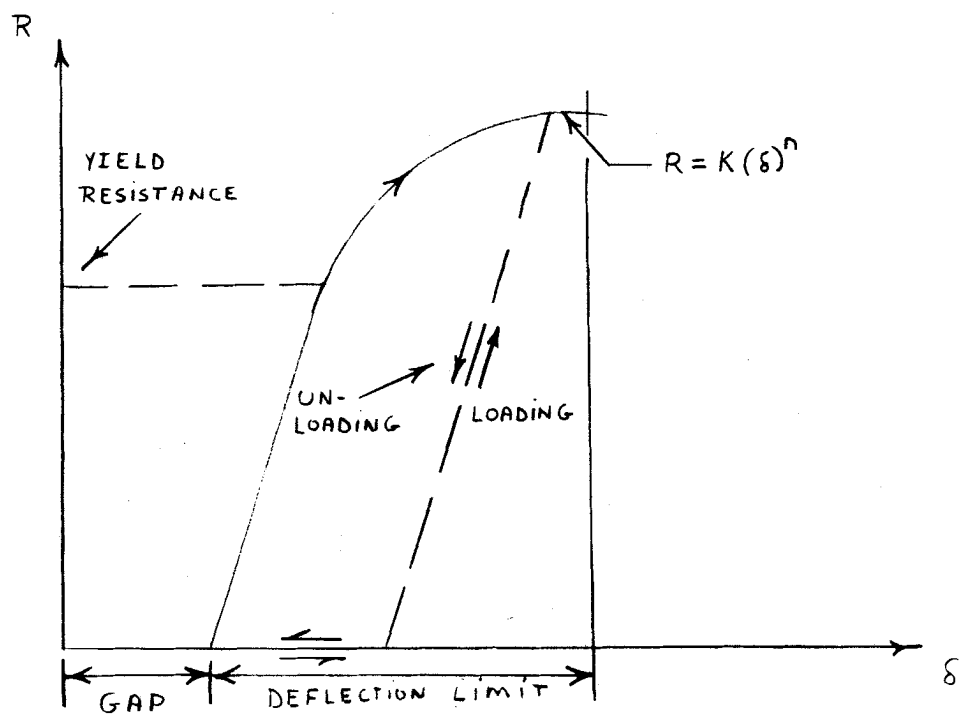
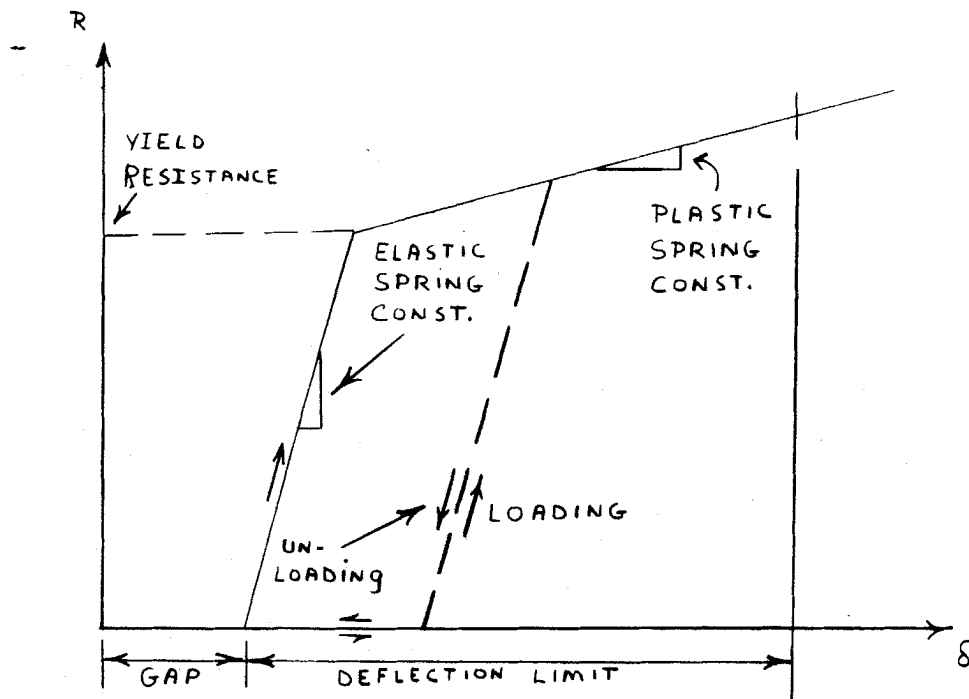
Longitudinal Break at an Interior Point

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.6-5

PIPE WHIP MODELS - FINITE
DIFFERENCE METHOD

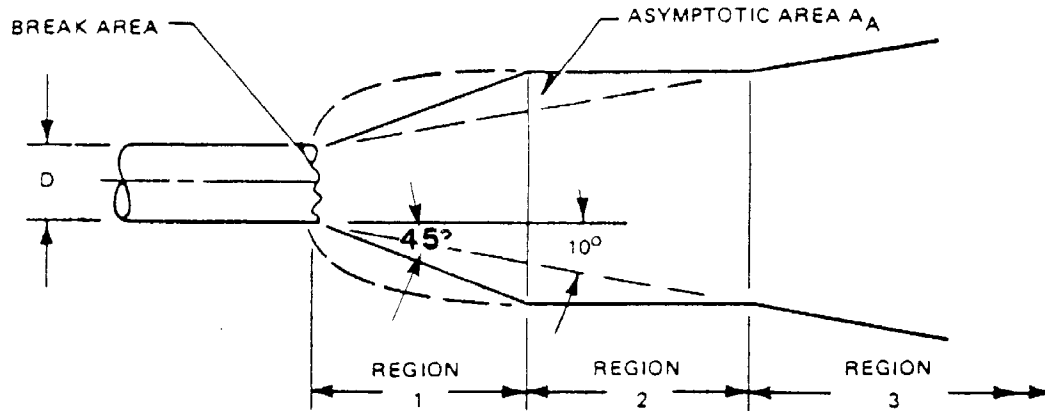
FIGURE 3.6-6
HAS BEEN DELETED



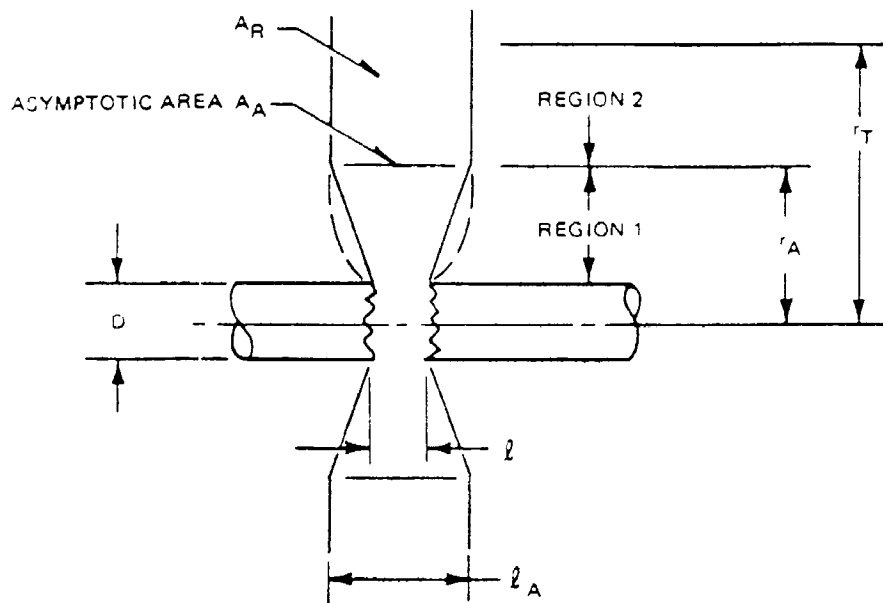
CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.6-7

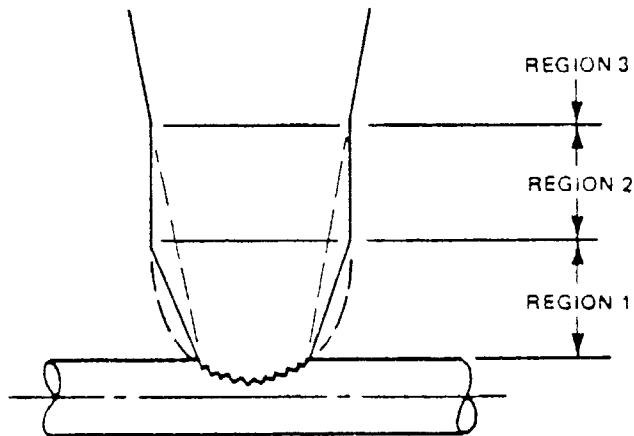
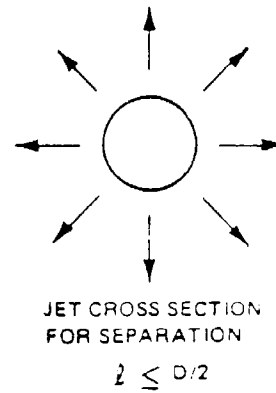
RESTRAINT PROPERTIES



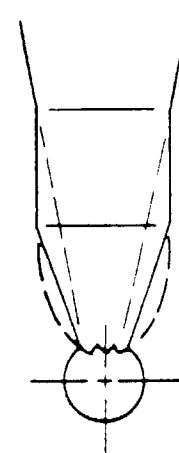
(A) CIRCUMFERENTIAL BREAK – FULL SEPARATION



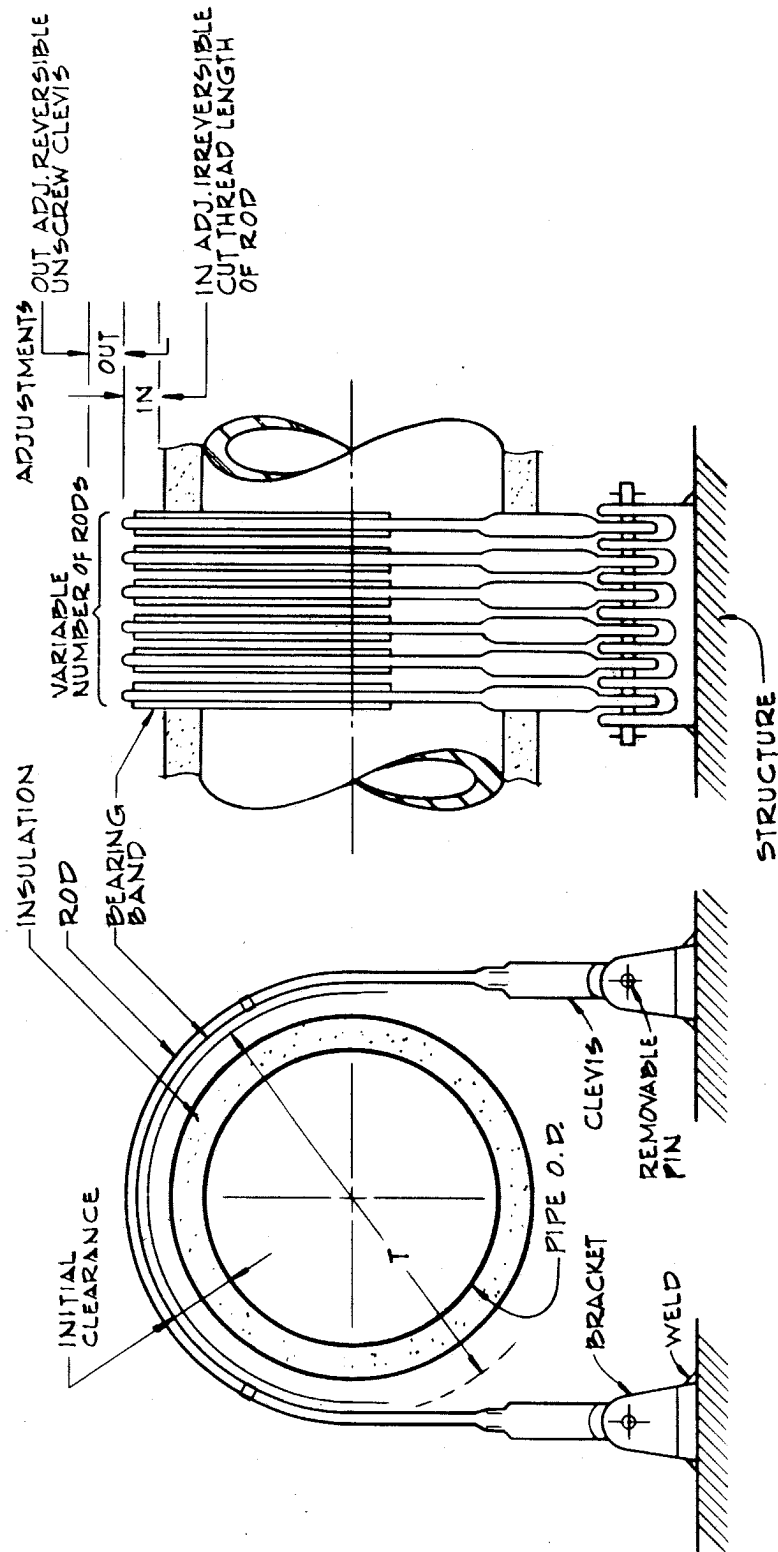
(B) CIRCUMFERENTIAL BREAK – PARTIAL SEPARATION



(C) LONGITUDINAL BREAK



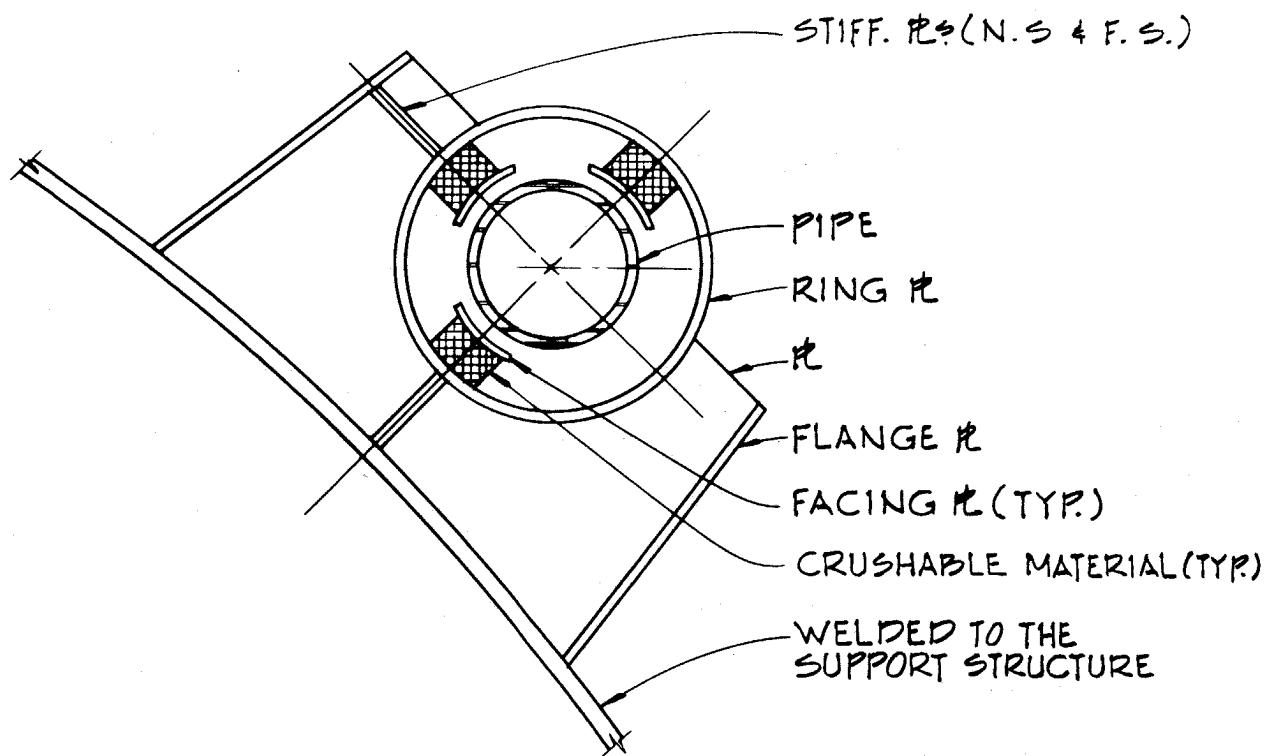
FIGURES 3.6-9 AND 3.6-10
HAVE BEEN DELETED



CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.6-11

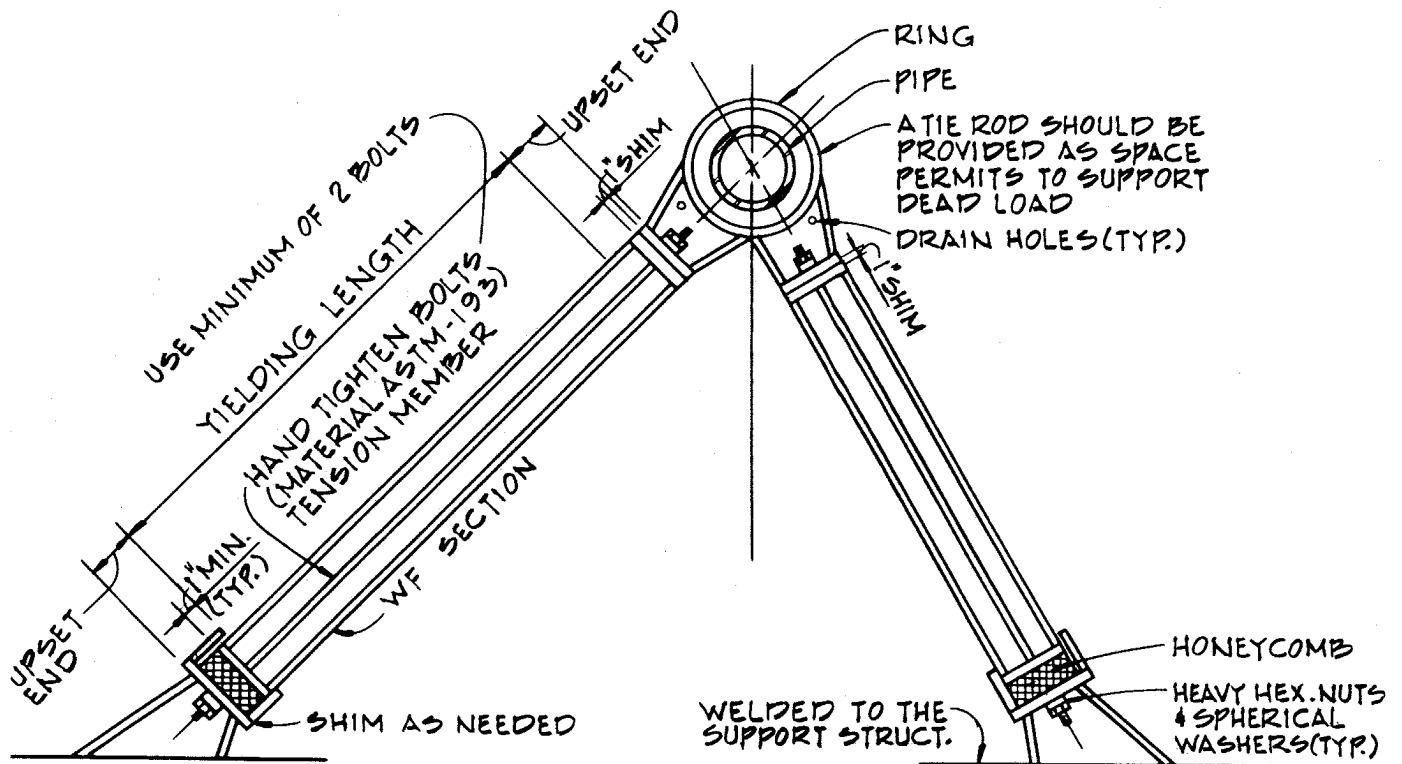
TYPICAL TENSION RESTRAINT



CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.6-12

TYPICAL CRUSHABLE MATERIAL RESTRAINT

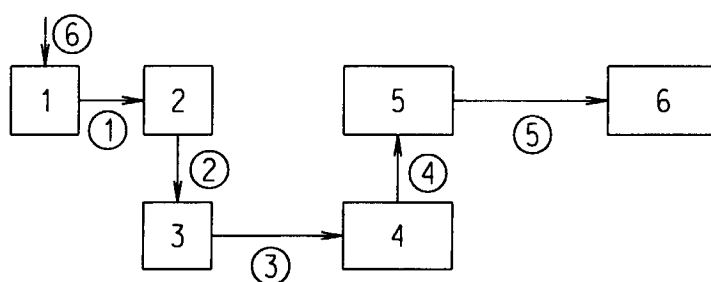


CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.6-13

TYPICAL TWO-LEGGED RESTRAINT

Figure 3.6-14
Deleted



NODE

DESCRIPTION

1	MAIN STEAM TUNNEL
2	MAIN STEAM TUNNEL
3	MAIN STEAM TUNNEL
4	BASEMENT, GRADE FLOOR, MEZZANINE FLOOR
5	TURBINE FLOOR
6	ATMOSPHERE

□ ≡ NODE

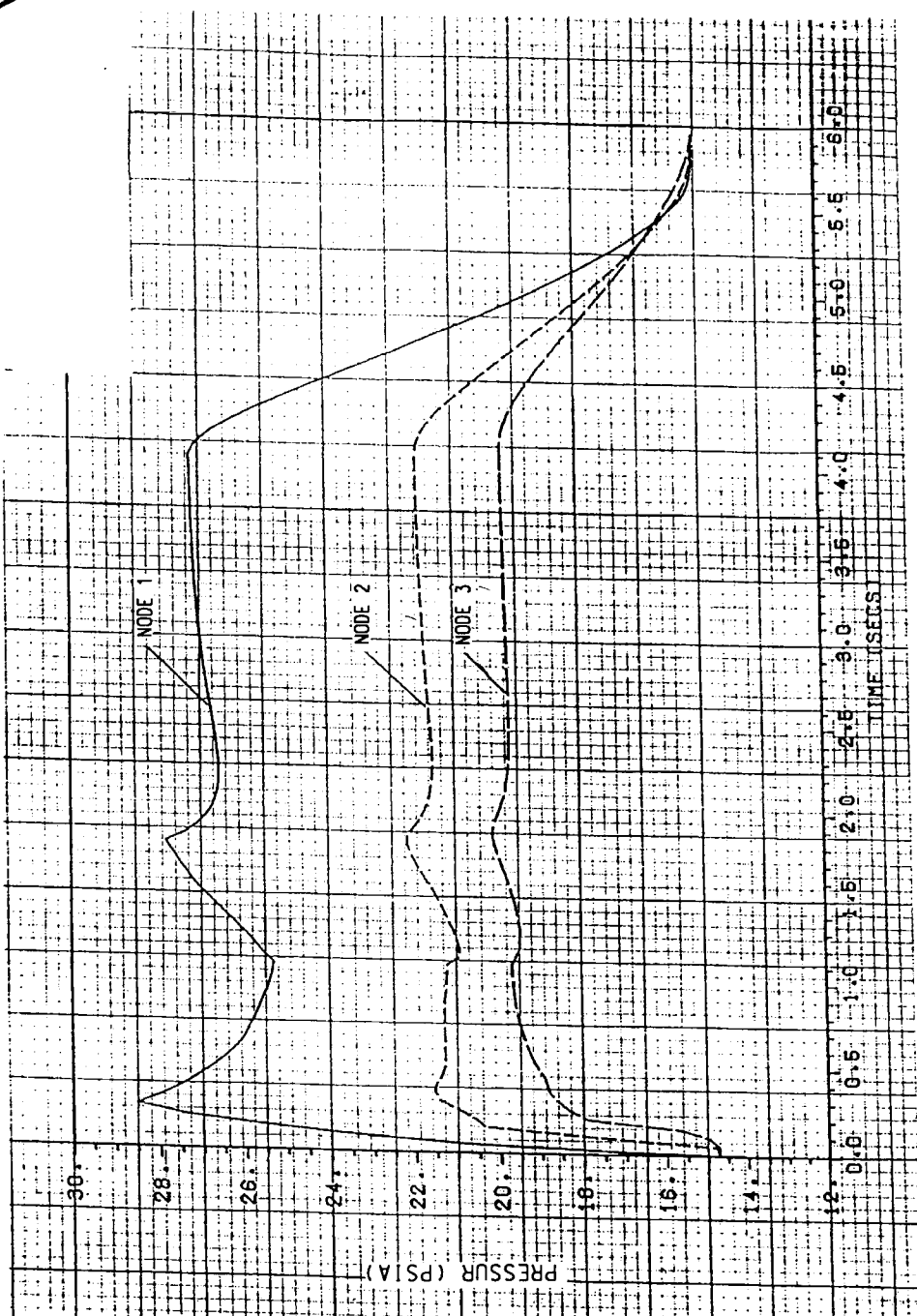
○ ≡ FLOW PATH

NOTE:

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

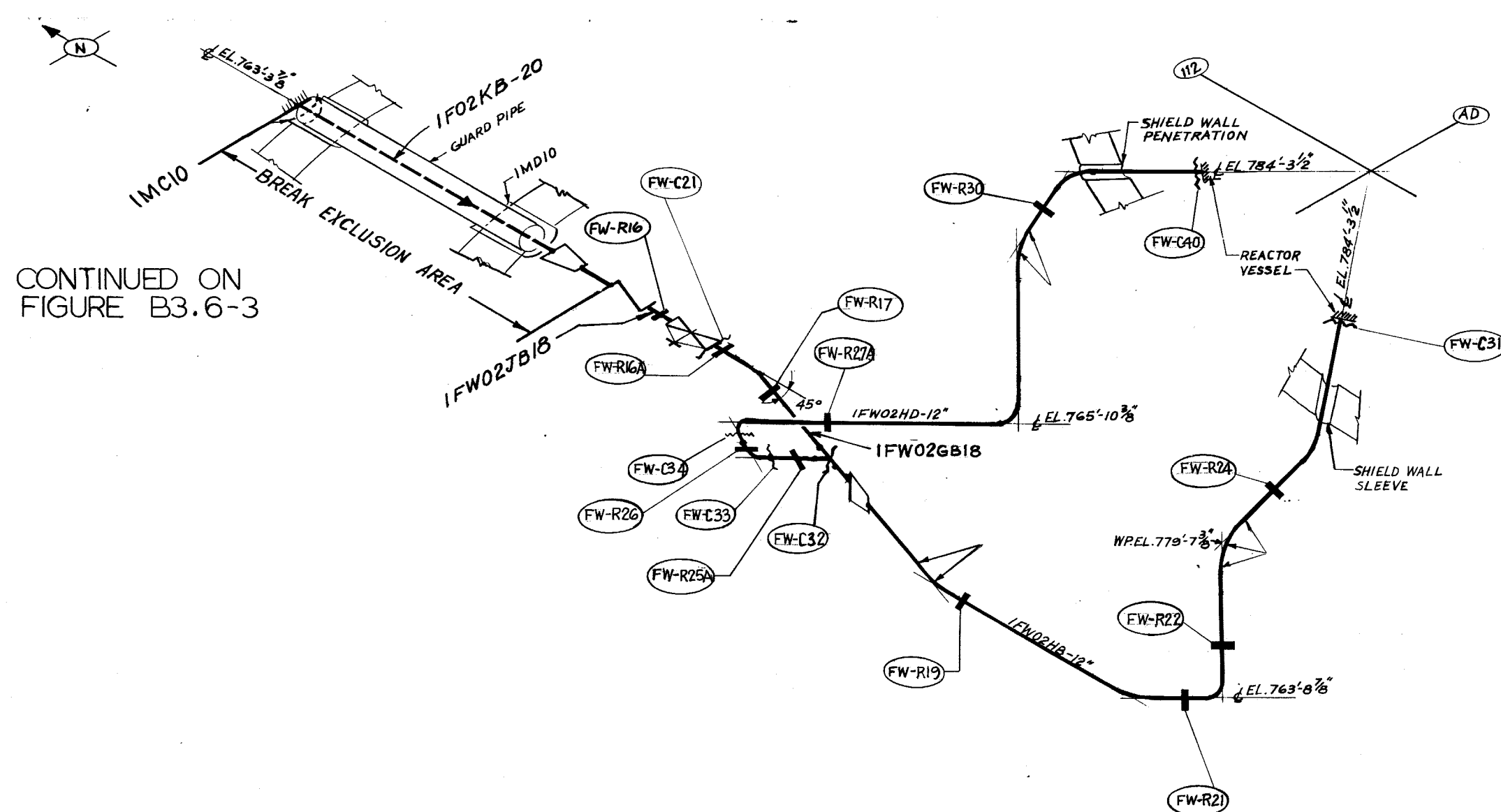
CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

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



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UPDATED SAFETY ANALYSIS REPORT

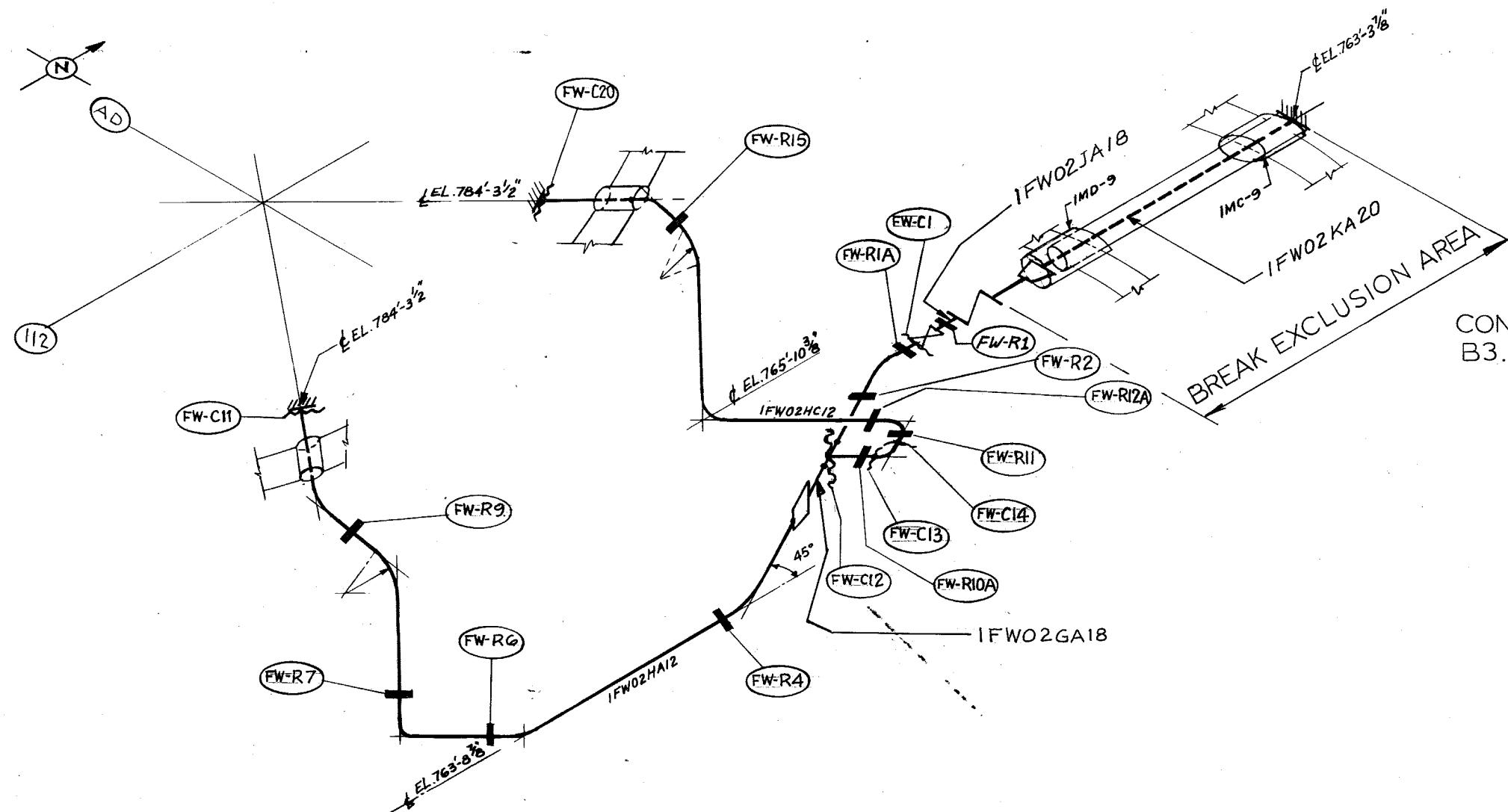
FIGURE 3.6-16
PRESSURE VS. TIME -
LINE BREAK IN STEAM TUNNEL

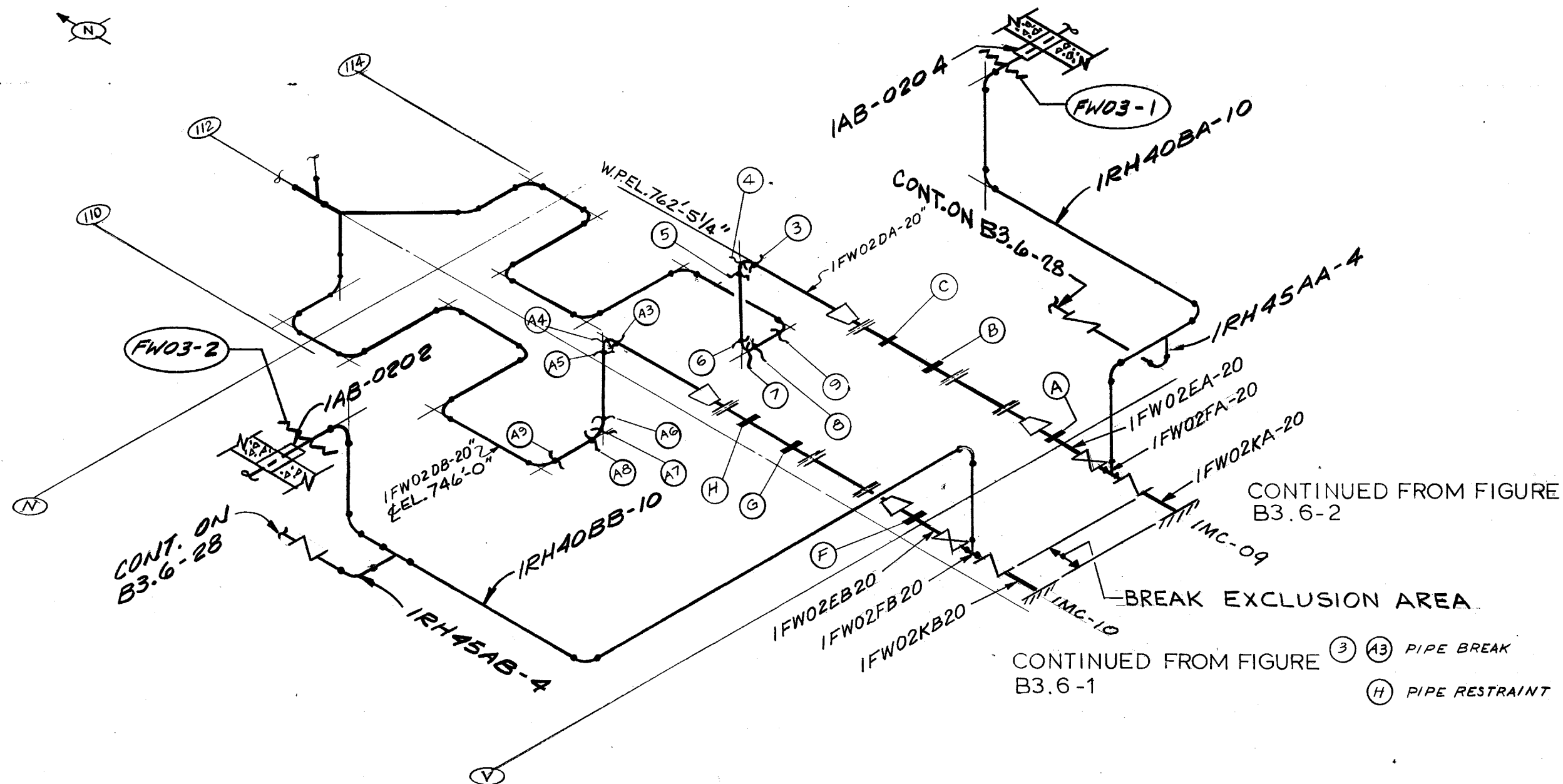


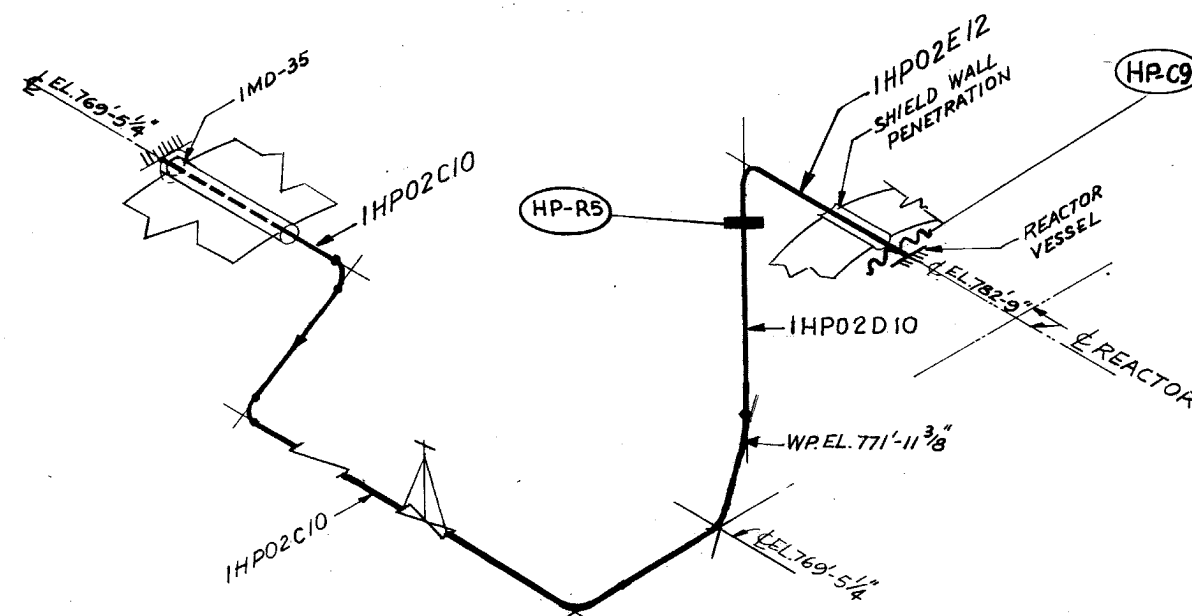
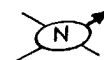
CLINTON POWER STATION
 UPDATED SAFETY ANALYSIS REPORT

FIGURES B3.6-1

POSTULATED BREAKS AND RESTRAINT
 LOCATIONS FEEDWATER SUBSYSTEM
 FW-01 INSIDE CONTAINMENT



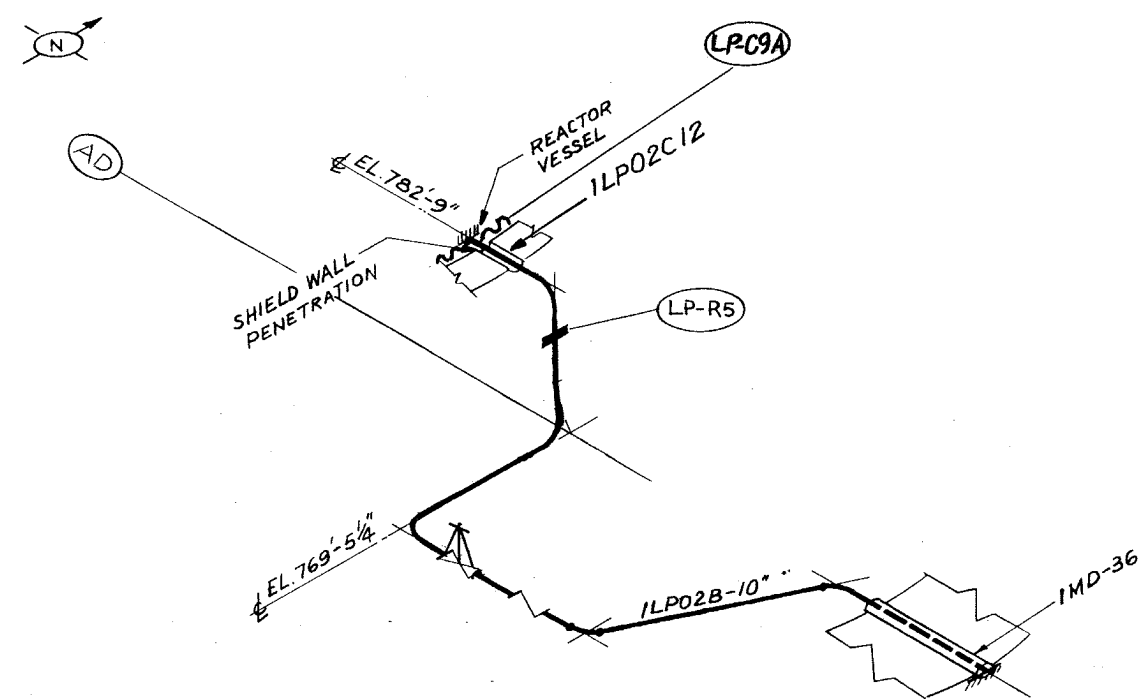




- HP-R PIPE RESTRAINT
- HP-C PIPE BREAK

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FIGURE B3.6-4
POSTULATED BREAKS AND RESTRAINT
LOCATION HP-01 INSIDE CONTAINMENT

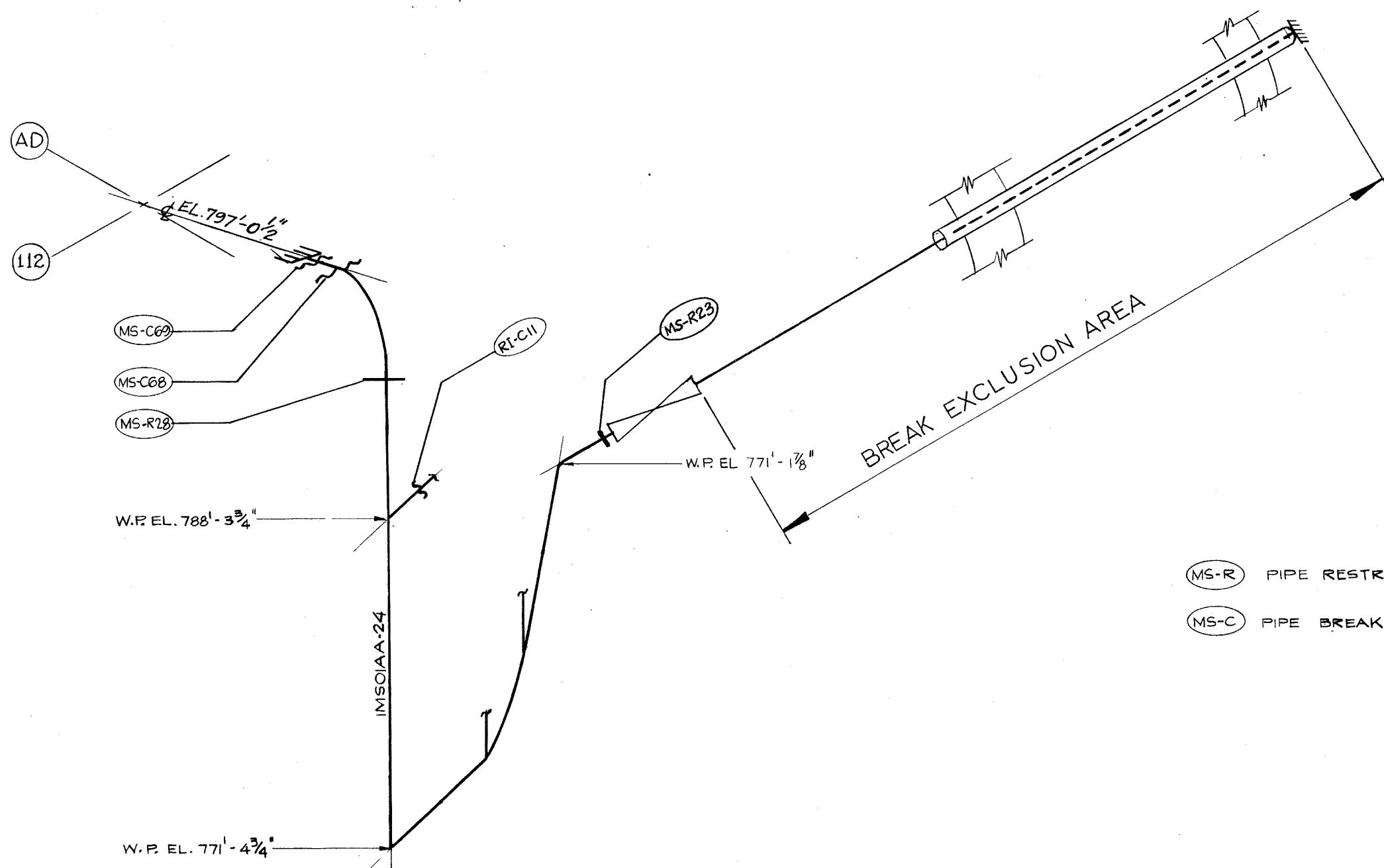
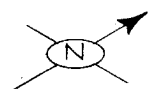


(LP-R) PIPE RESTRAINT
 (LP-C) PIPE BREAK

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

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

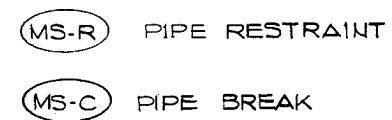
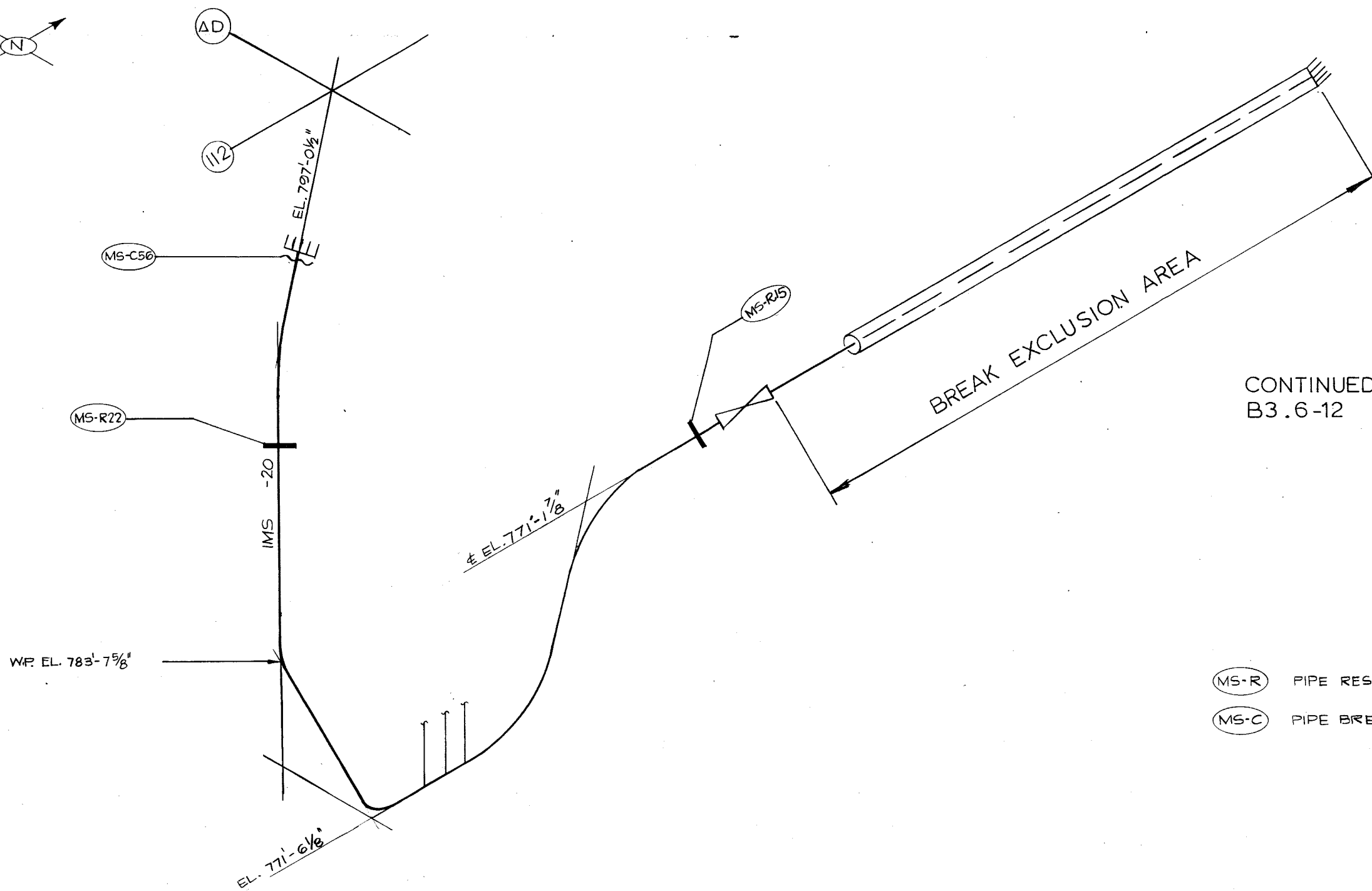
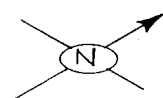


FIGURE B3.6-7

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



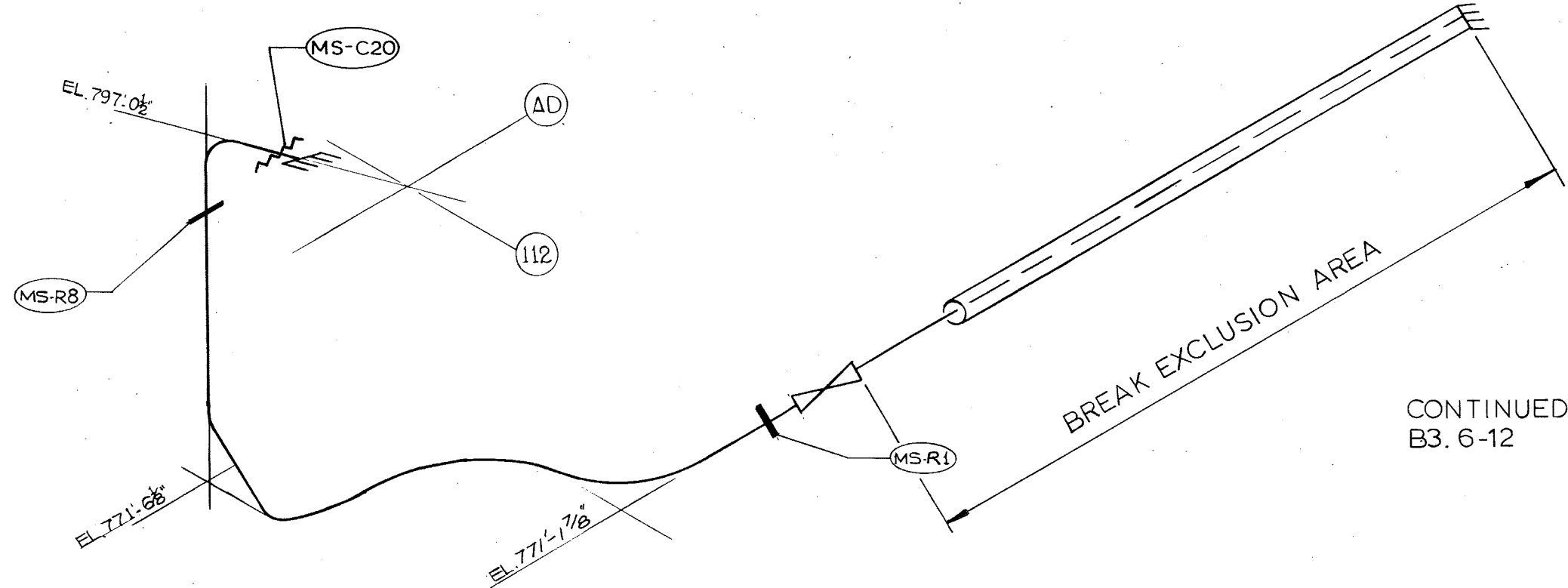
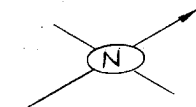
CONTINUED ON FIGURE
B3.6-12

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

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UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.6-8

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



CONTINUED ON FIGURE
B3.6-12

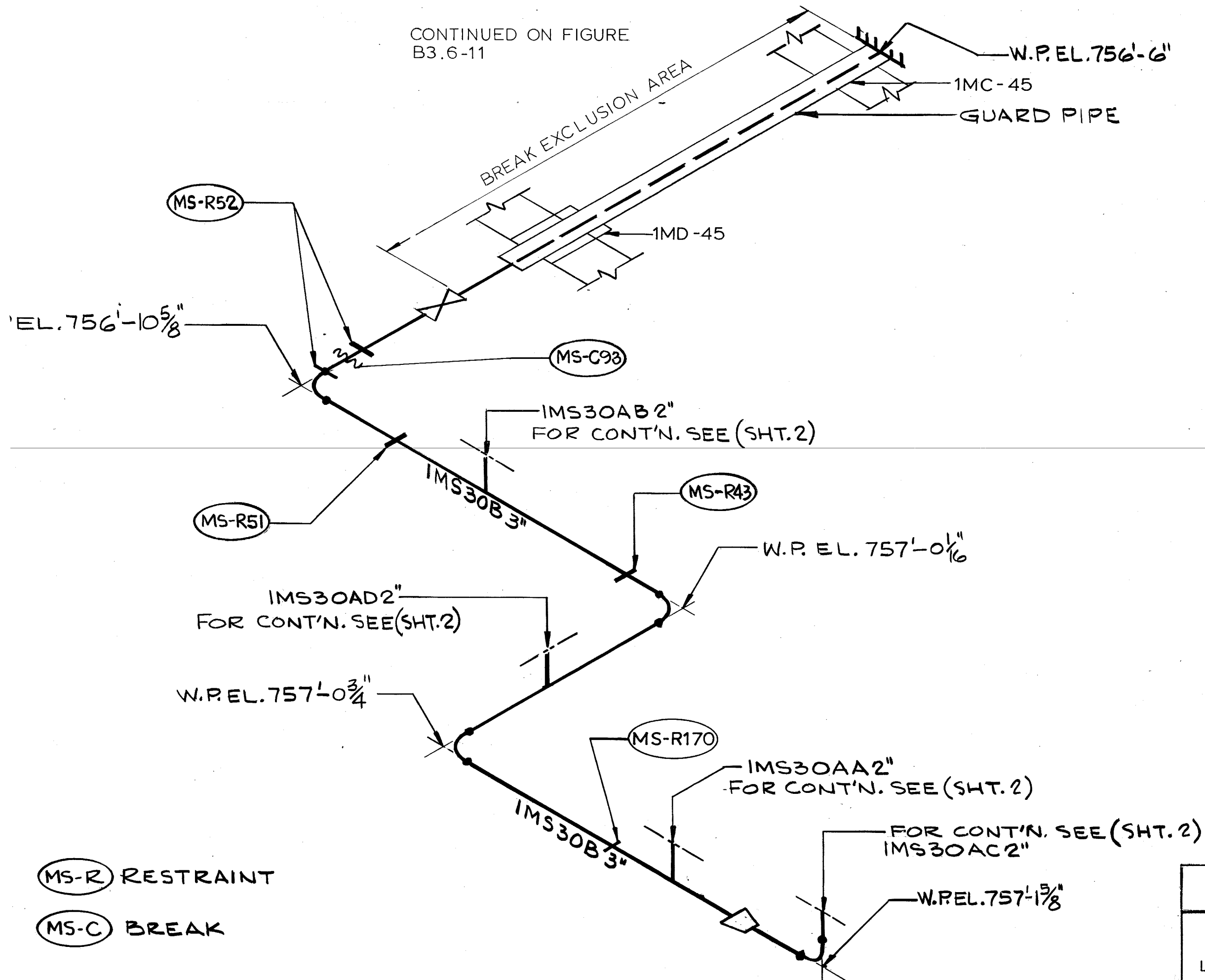
- (MS-R) PIPE RESTRAINT
- (MS-C) PIPE BREAK

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FIGURE B3.6-9

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

CONTINUED ON FIGURE
B3.6-11

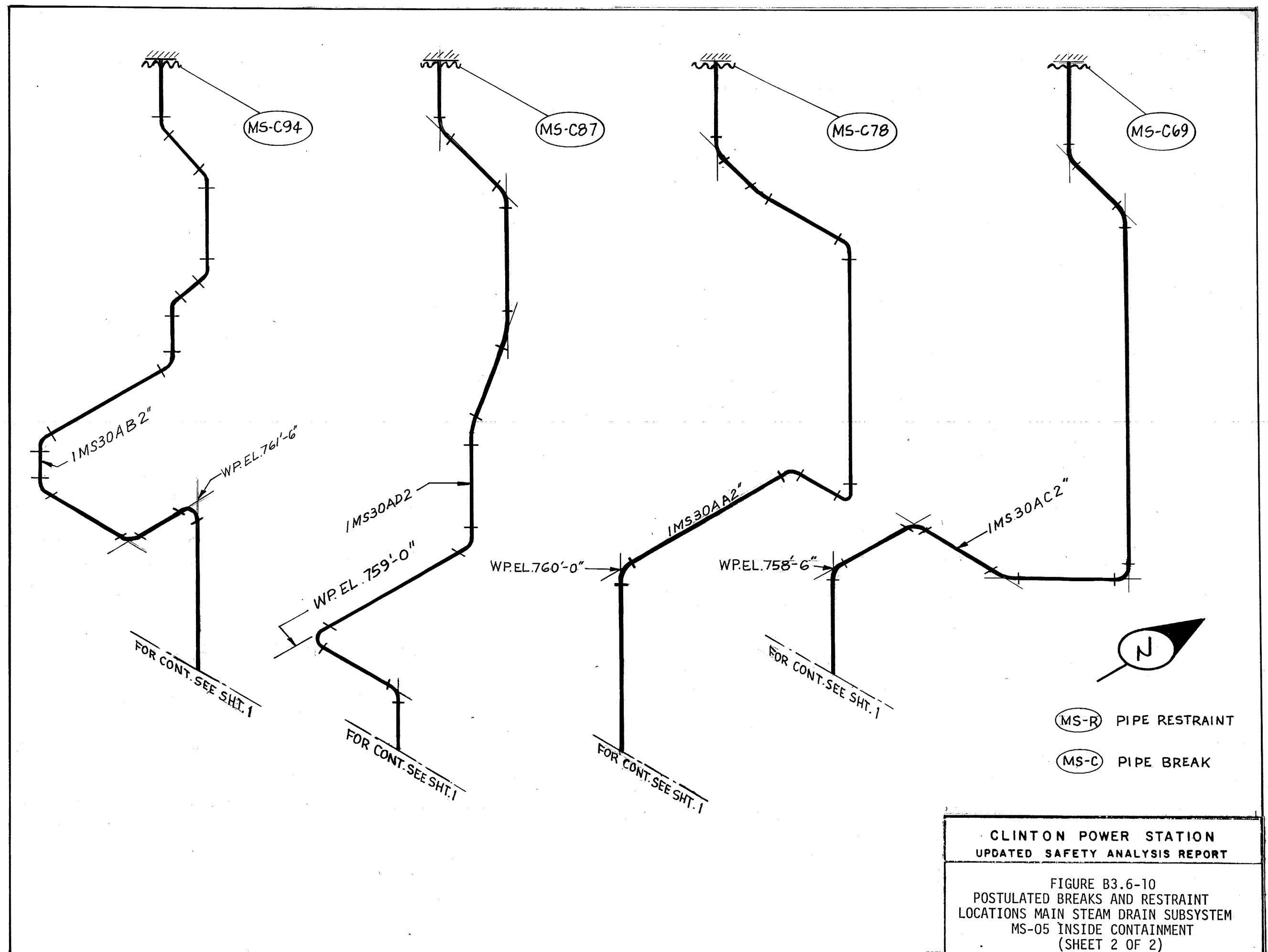


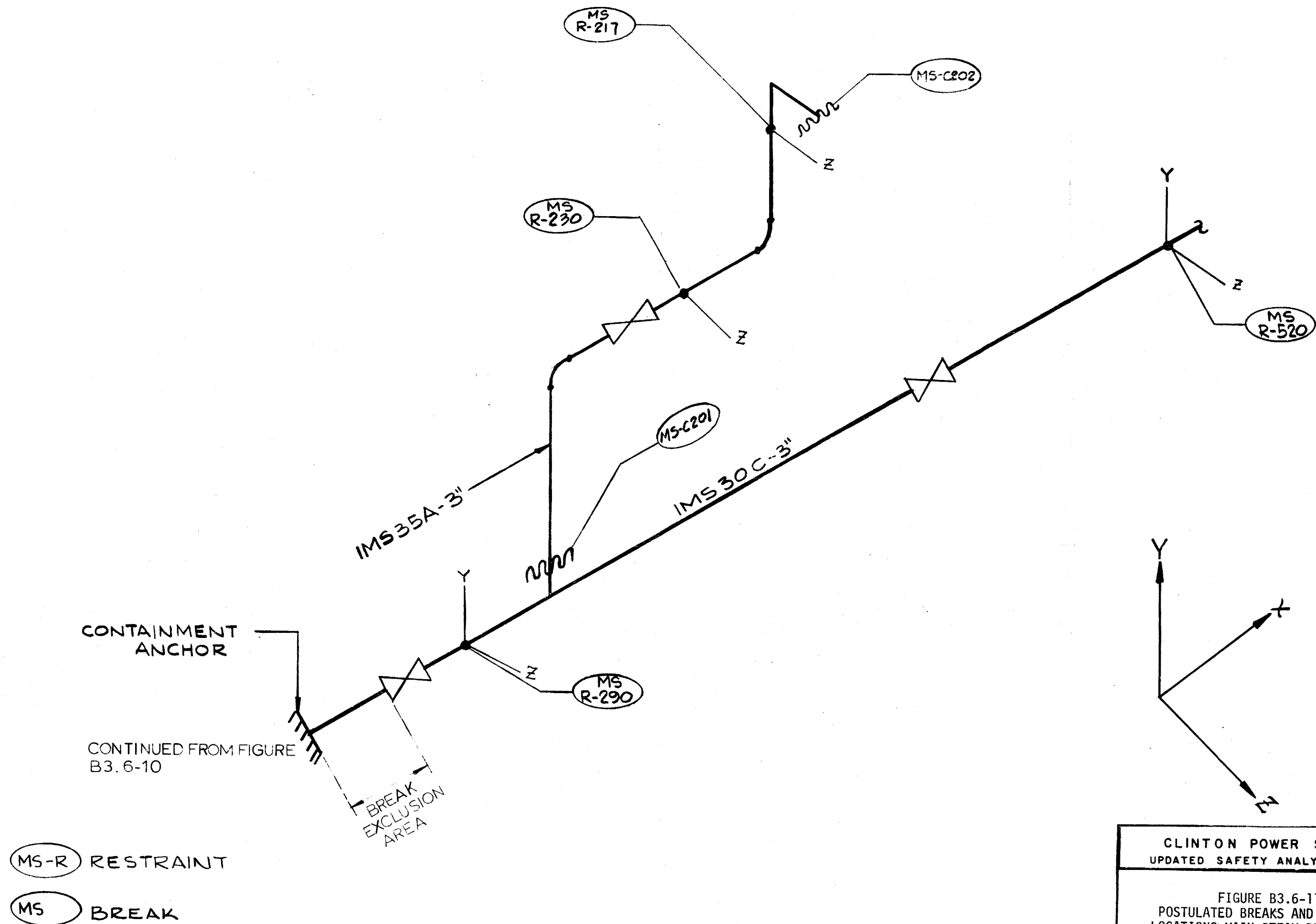
(MS-R) RESTRAINT

(MS-C) BREAK

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UPDATED SAFETY ANALYSIS REPORT

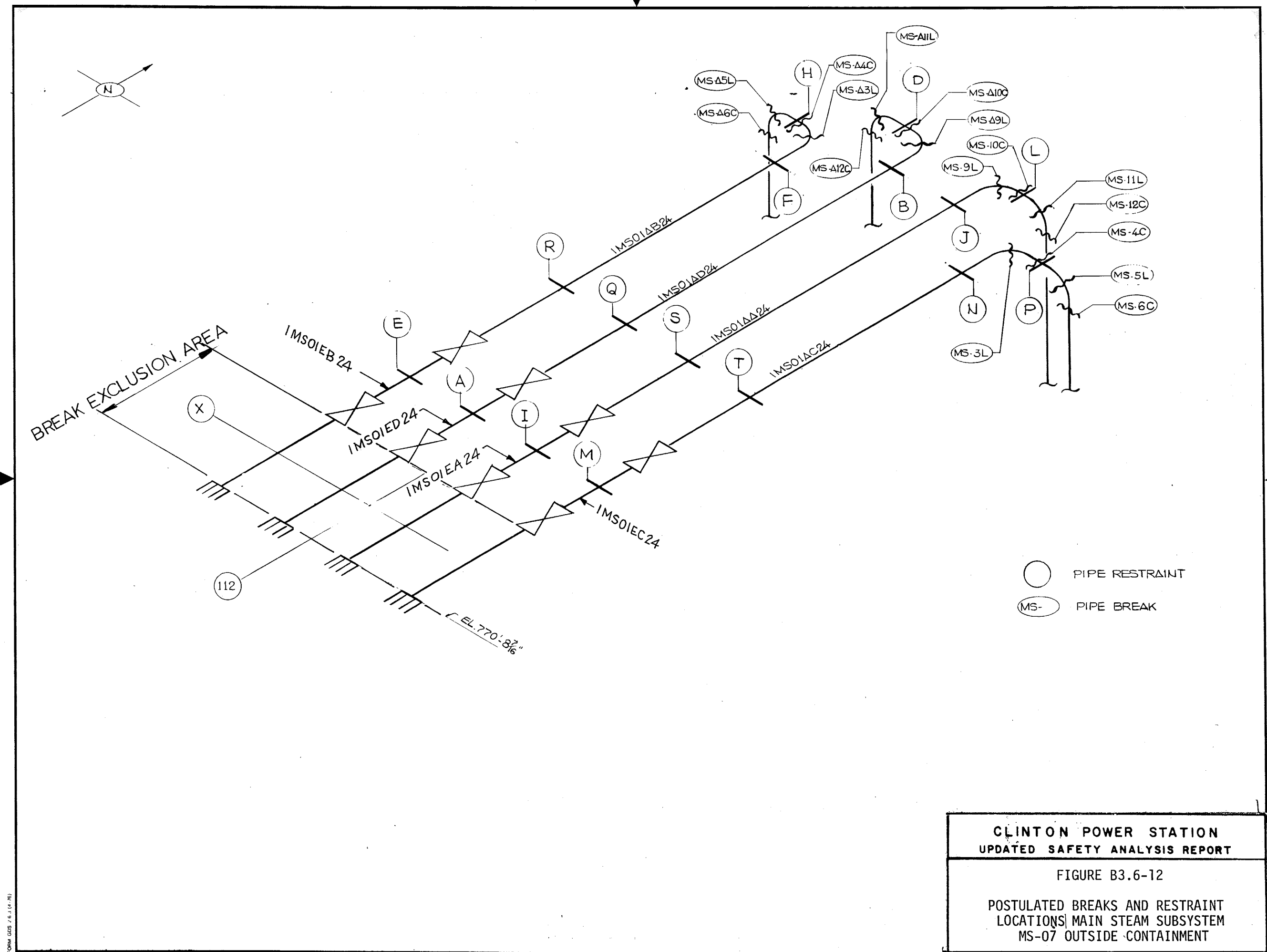
FIGURE B3.6-10
POSTULATED BREAKS AND RESTRAINT
LOCATIONS MAIN STEAM DRAIN SUBSYSTEM
MS-05 INSIDE CONTAINMENT
(SHEET 1 OF 2)

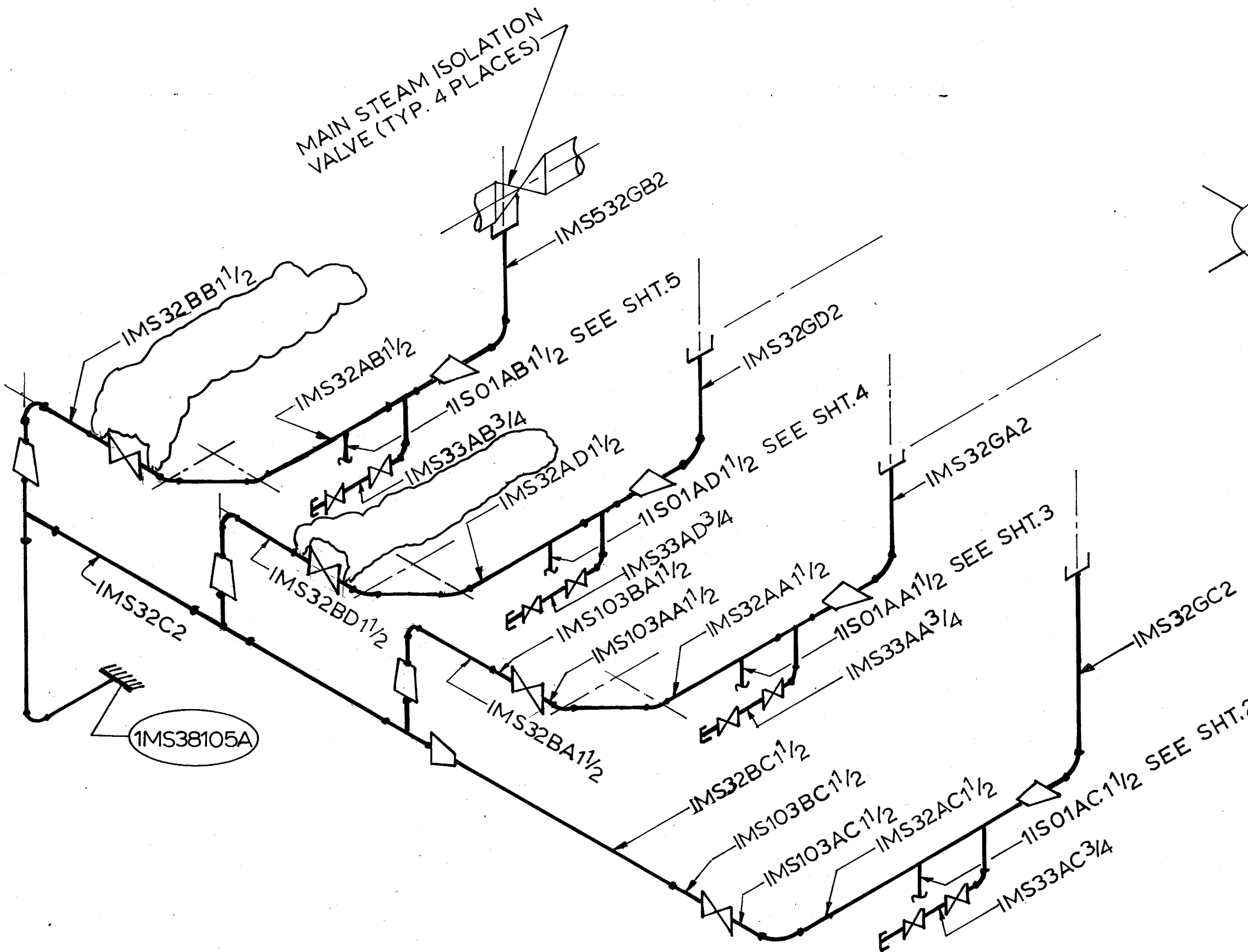




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FIGURE B3.6-11
POSTULATED BREAKS AND RESTRAINT
LOCATIONS: MAIN STEAM DRAIN SUBSYSTEM
MS-06 OUTSIDE CONTAINMENT



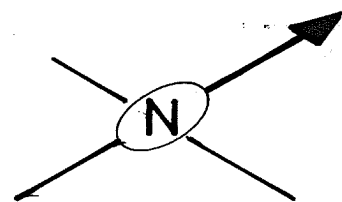


○ PIPE WHIP ANCHOR

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

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



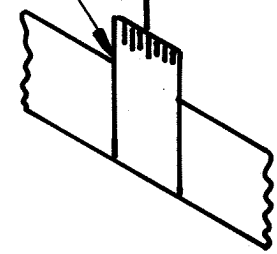
FOR CONT.
SEE SHT. 1

IMS32AC 1 1/2"

IIS01AC 1 1/2"

IIS06AC 1 1/2"

IAB0719



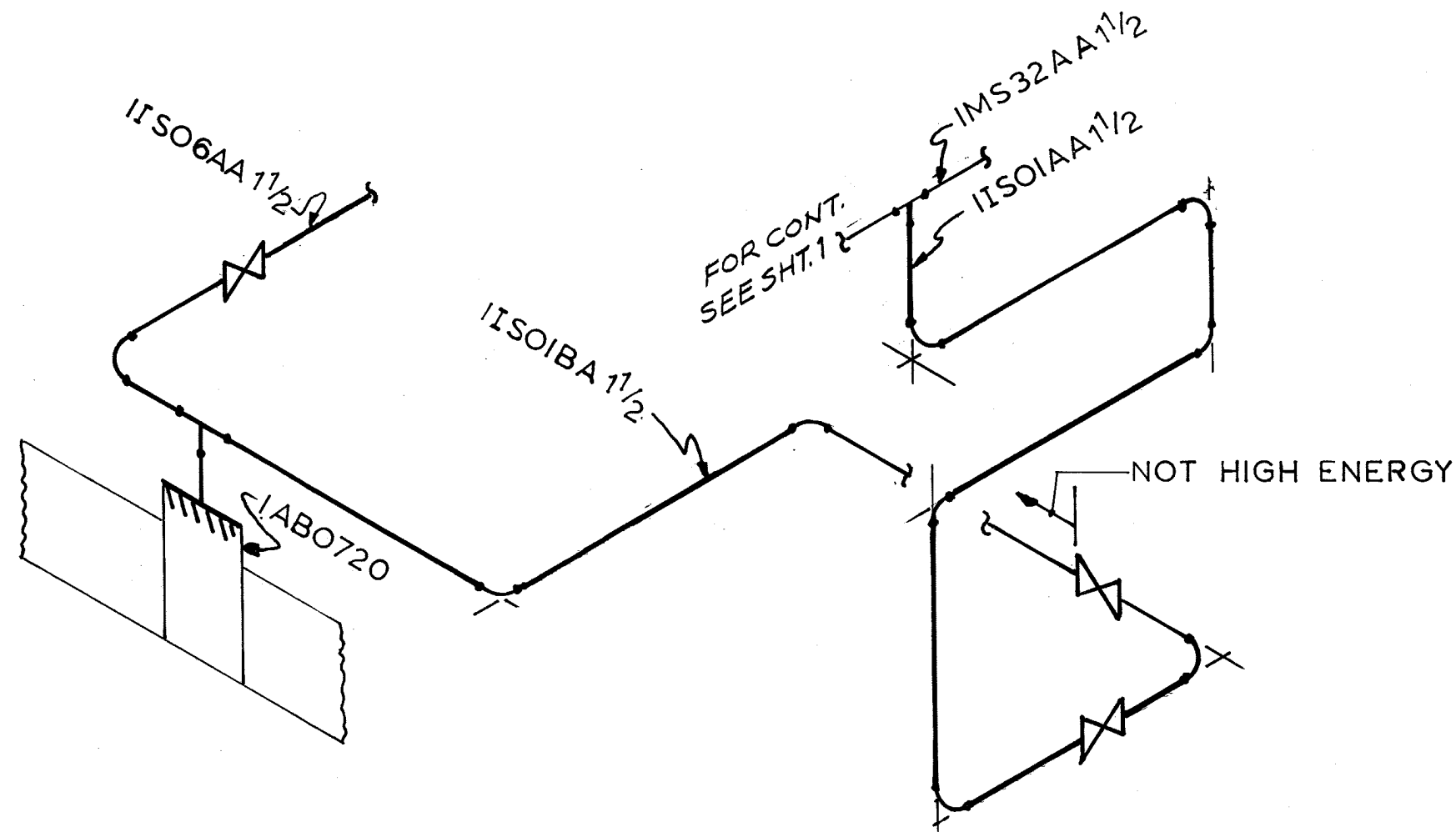
NOT HIGH
ENERGY

IIS01BC 1 1/2"

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)

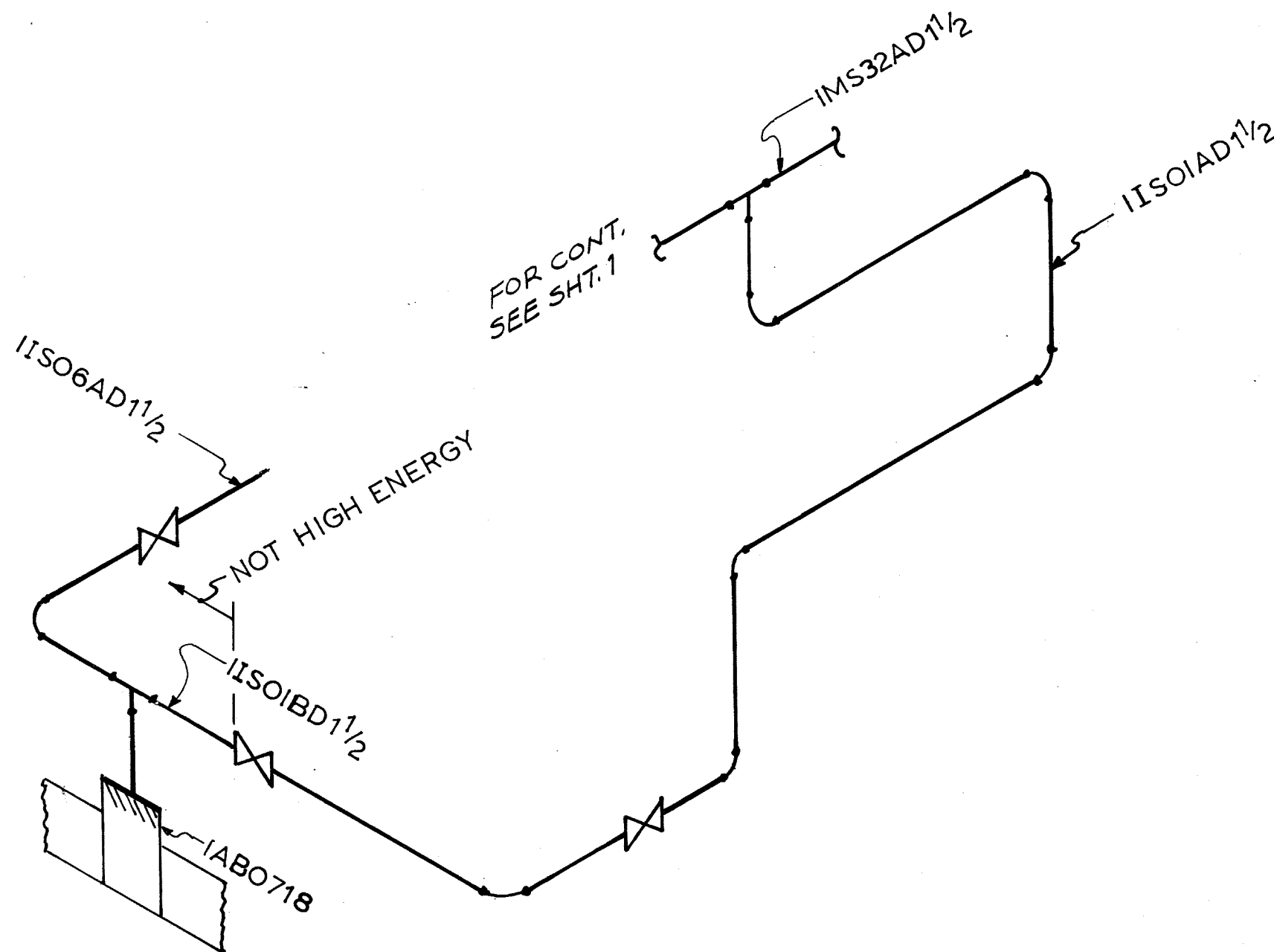


NOTE:

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)

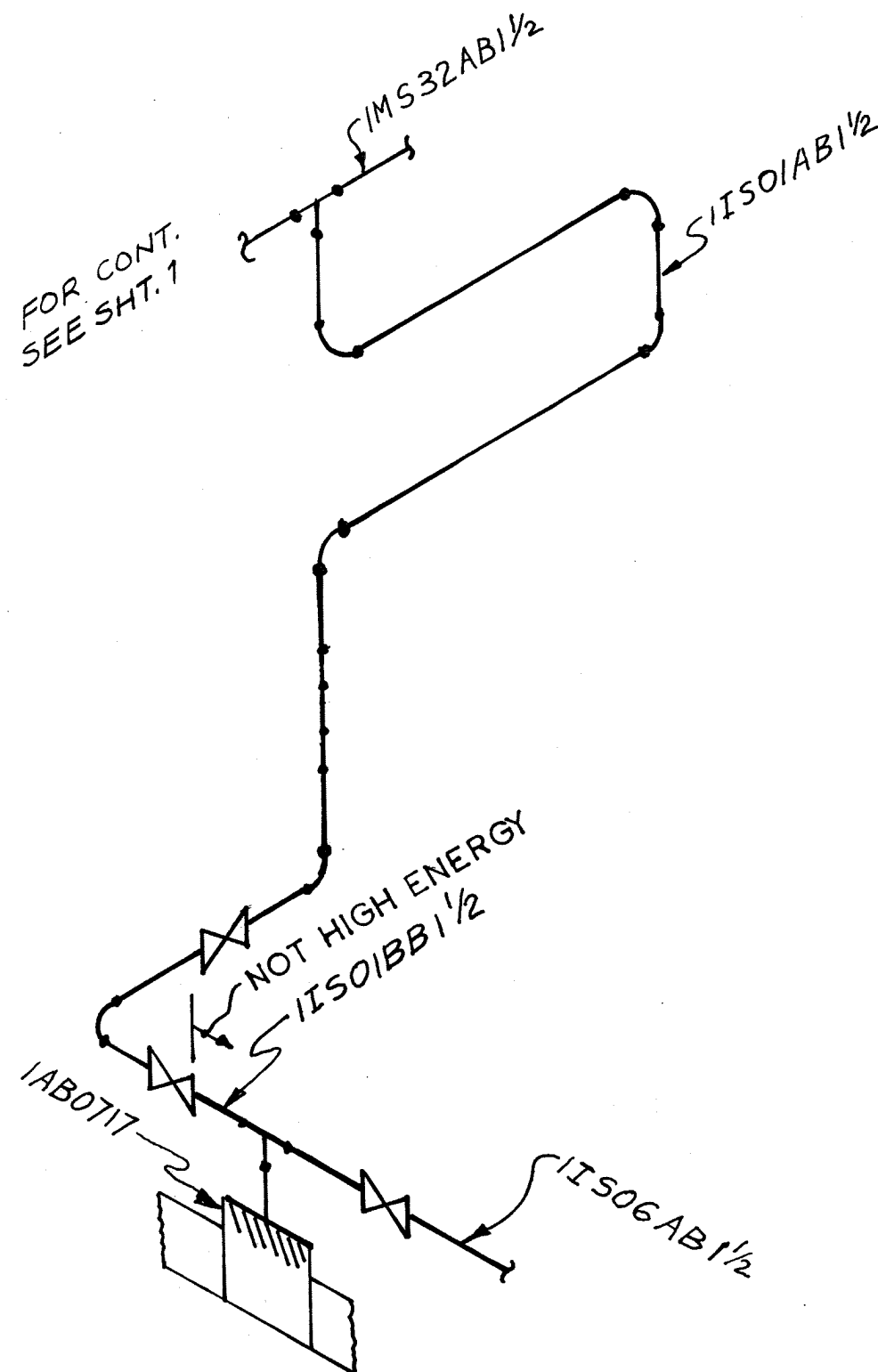


NOTE:

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)

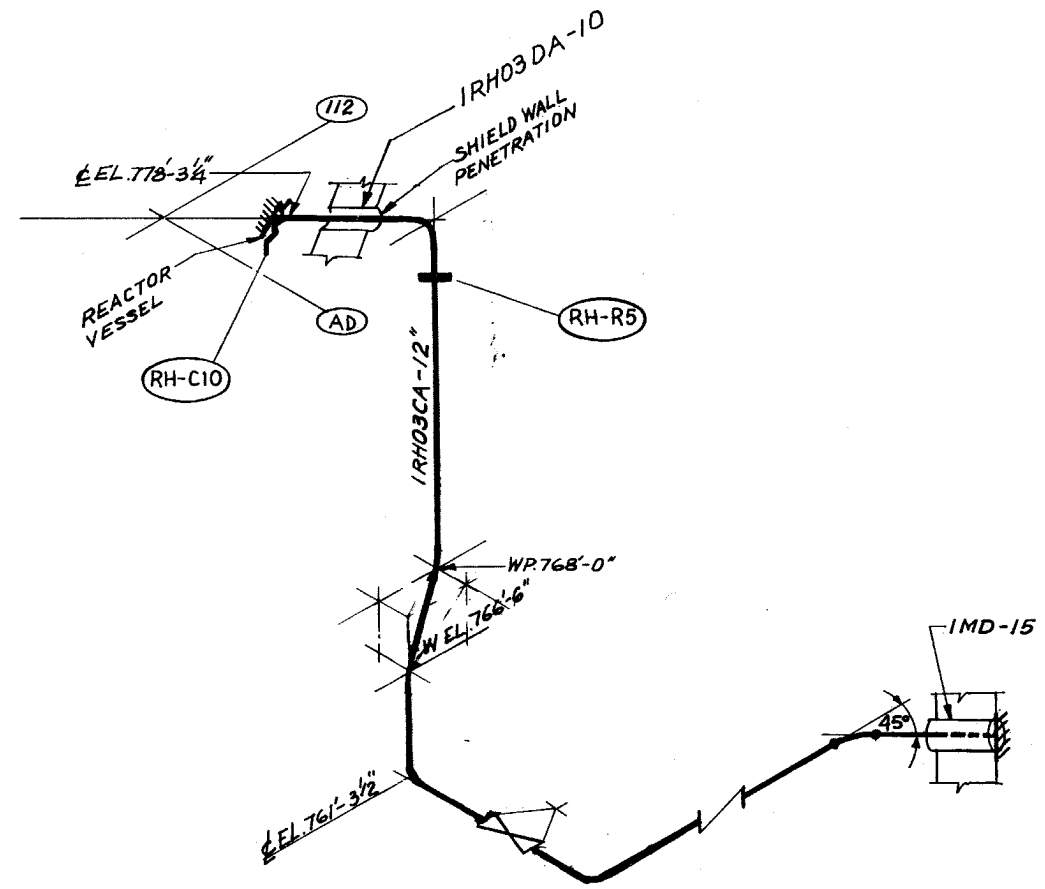


NOTE:

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

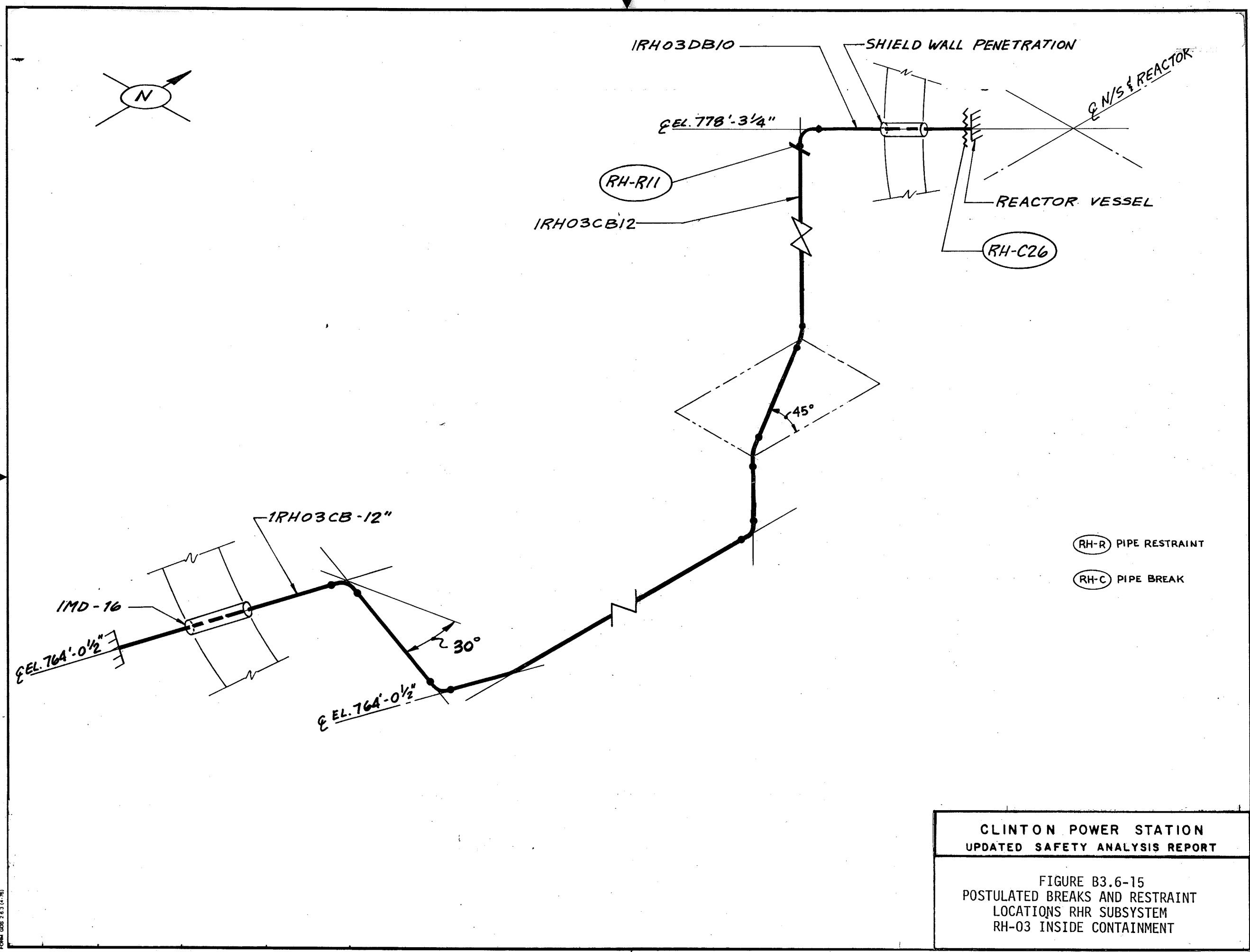
FIGURE B3.6-13
POSTULATED BREAKS AND RESTRAINT
LOCATIONS MAIN STEAM DRAIN SUBSYSTEM
MS-38A OUTSIDE CONTAINMENT
(SHEET 5 OF 5)



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

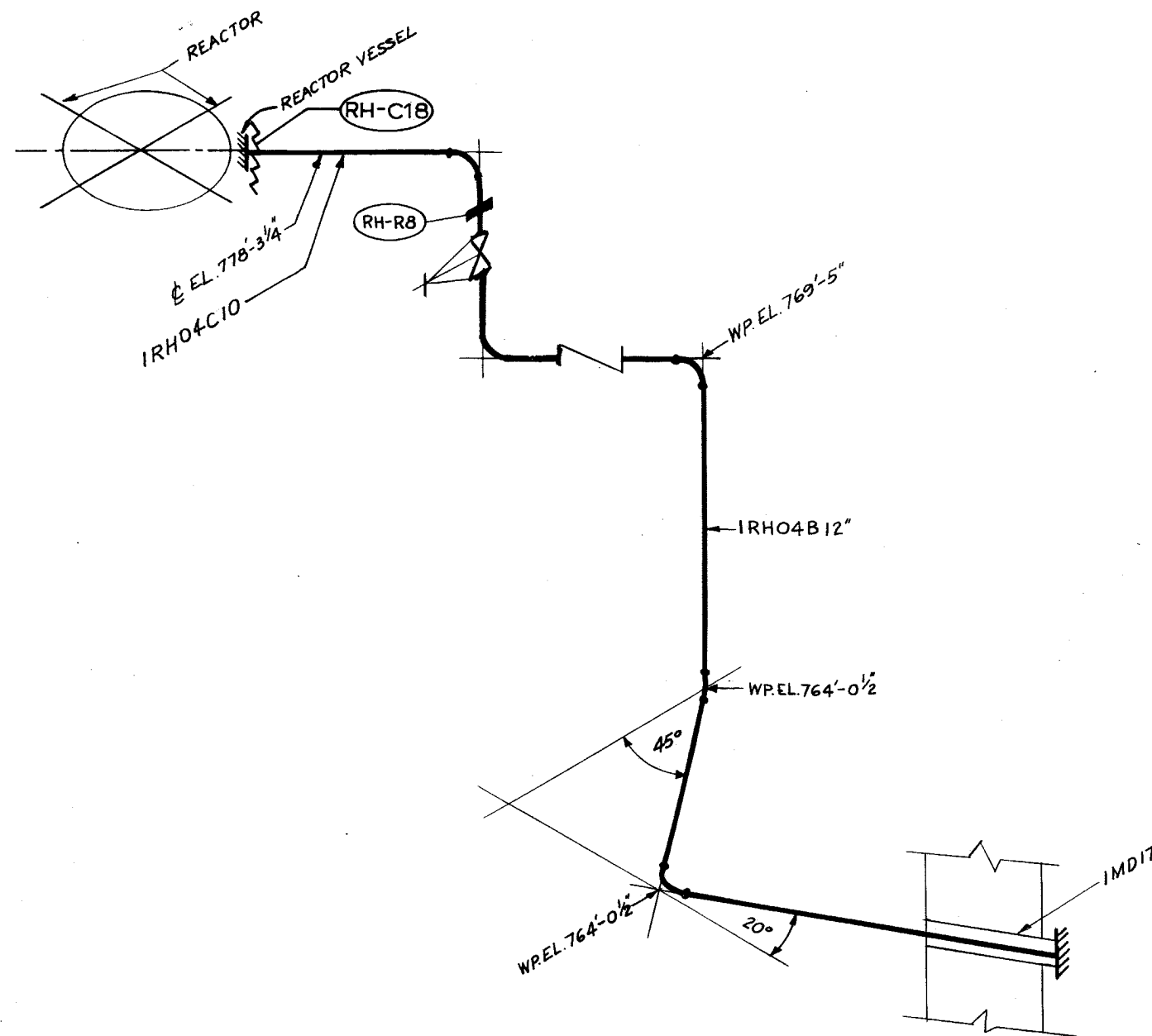
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UPDATED SAFETY ANALYSIS REPORT

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



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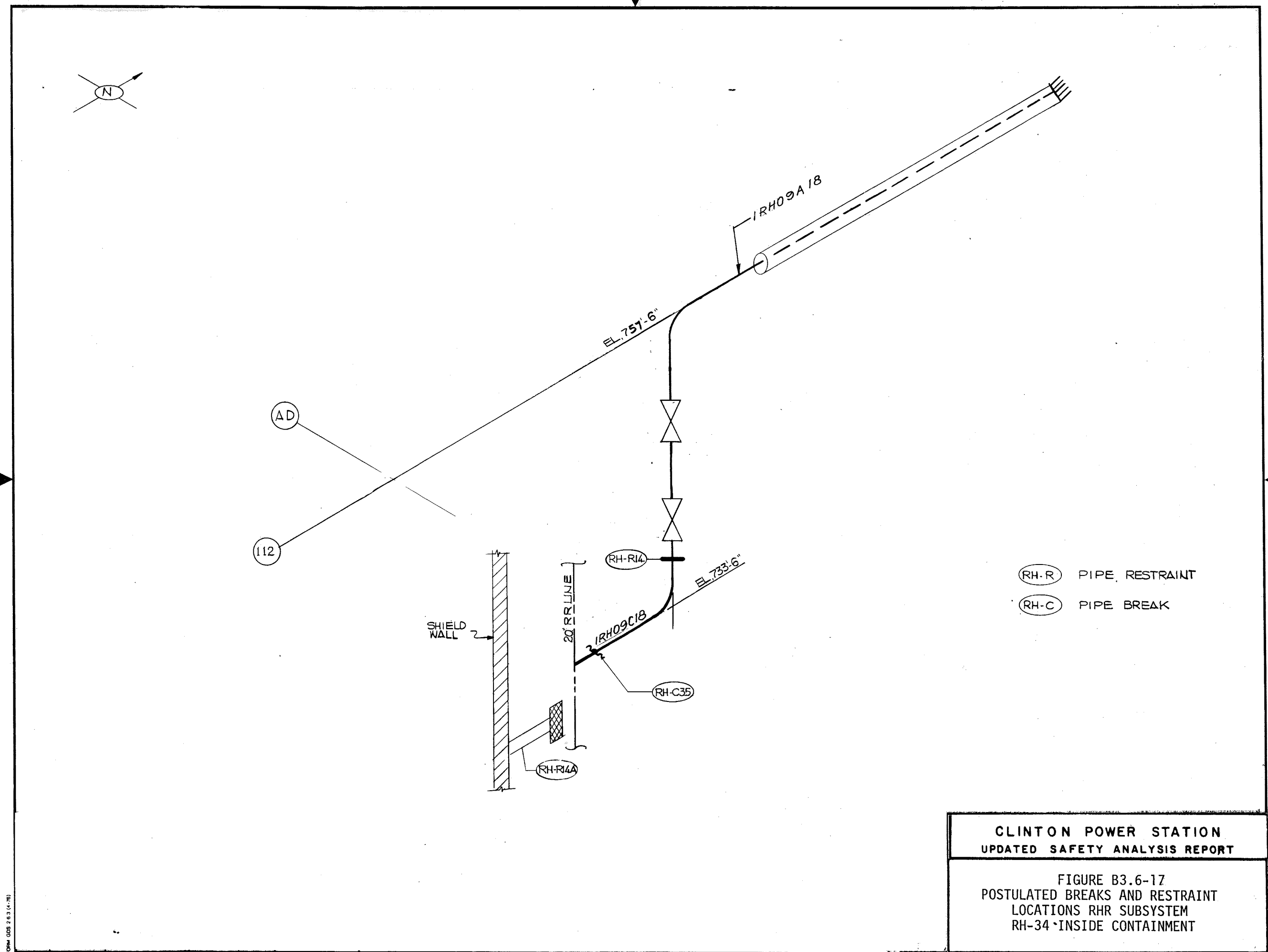
FIGURE B3.6-15
 POSTULATED BREAKS AND RESTRAINT
 LOCATIONS RHR SUBSYSTEM
 RH-03 INSIDE CONTAINMENT



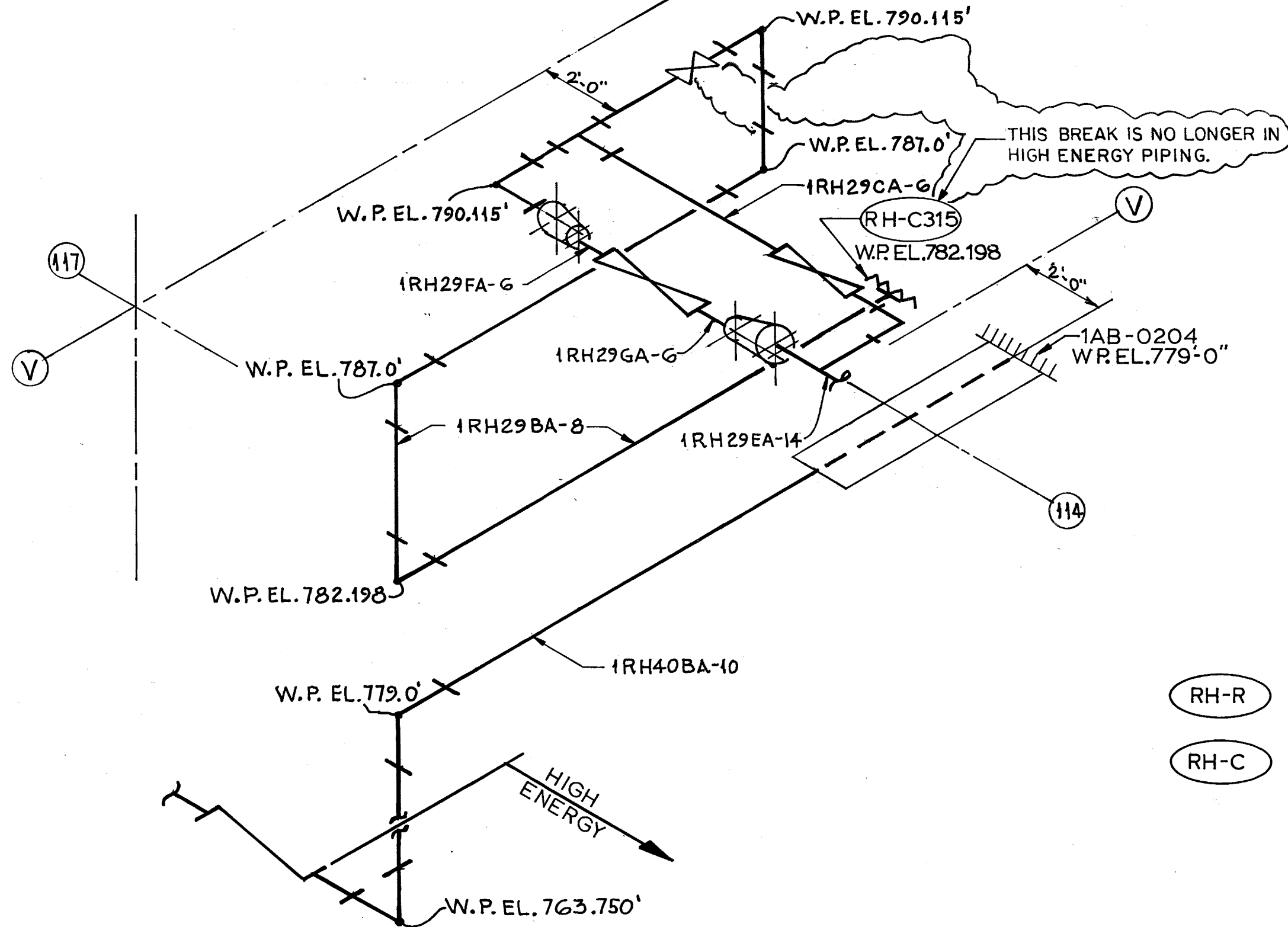
(RH-R) PIPE RESTRAINT
(RH-C) PIPE BREAK

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

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



NORTH

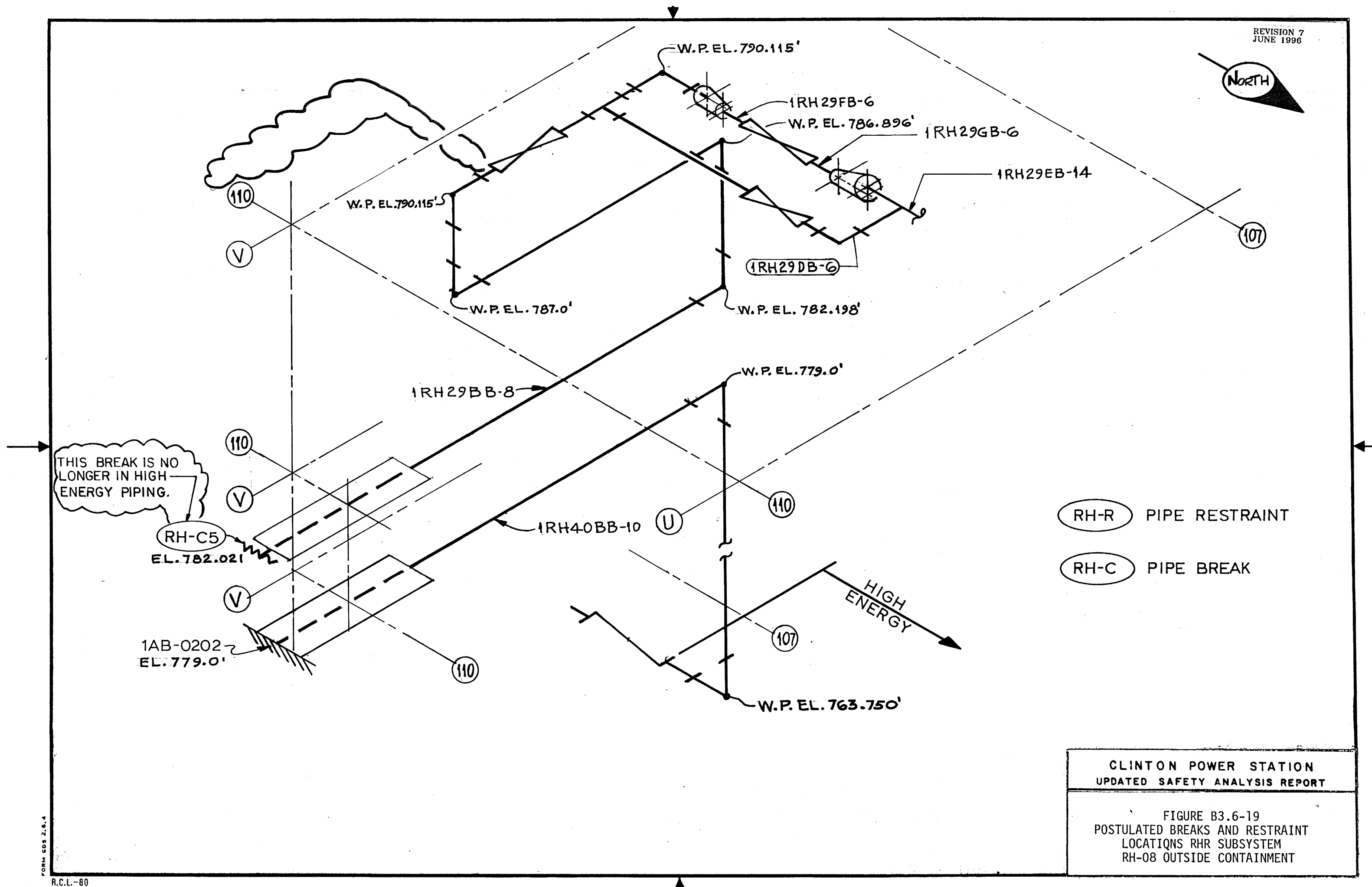


- RH-R PIPE RESTRAINT
- RH-C PIPE BREAK

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

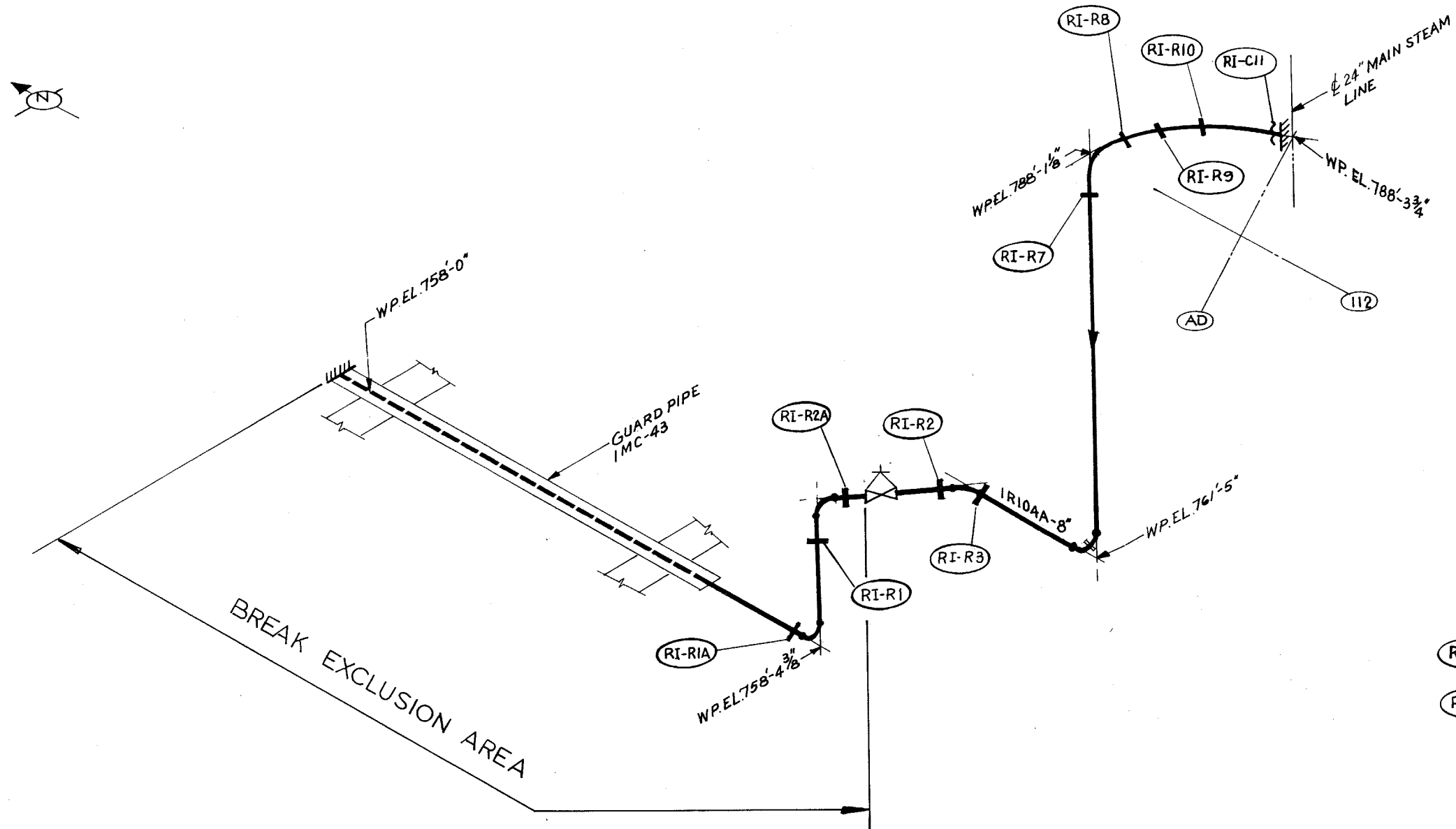
FIGURE B3.6-18
POSTULATED BREAKS AND RESTRAINT
LOCATIONS RHR SUBSYSTEM
RH-07 OUTSIDE CONTAINMENT

NORTH



CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

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

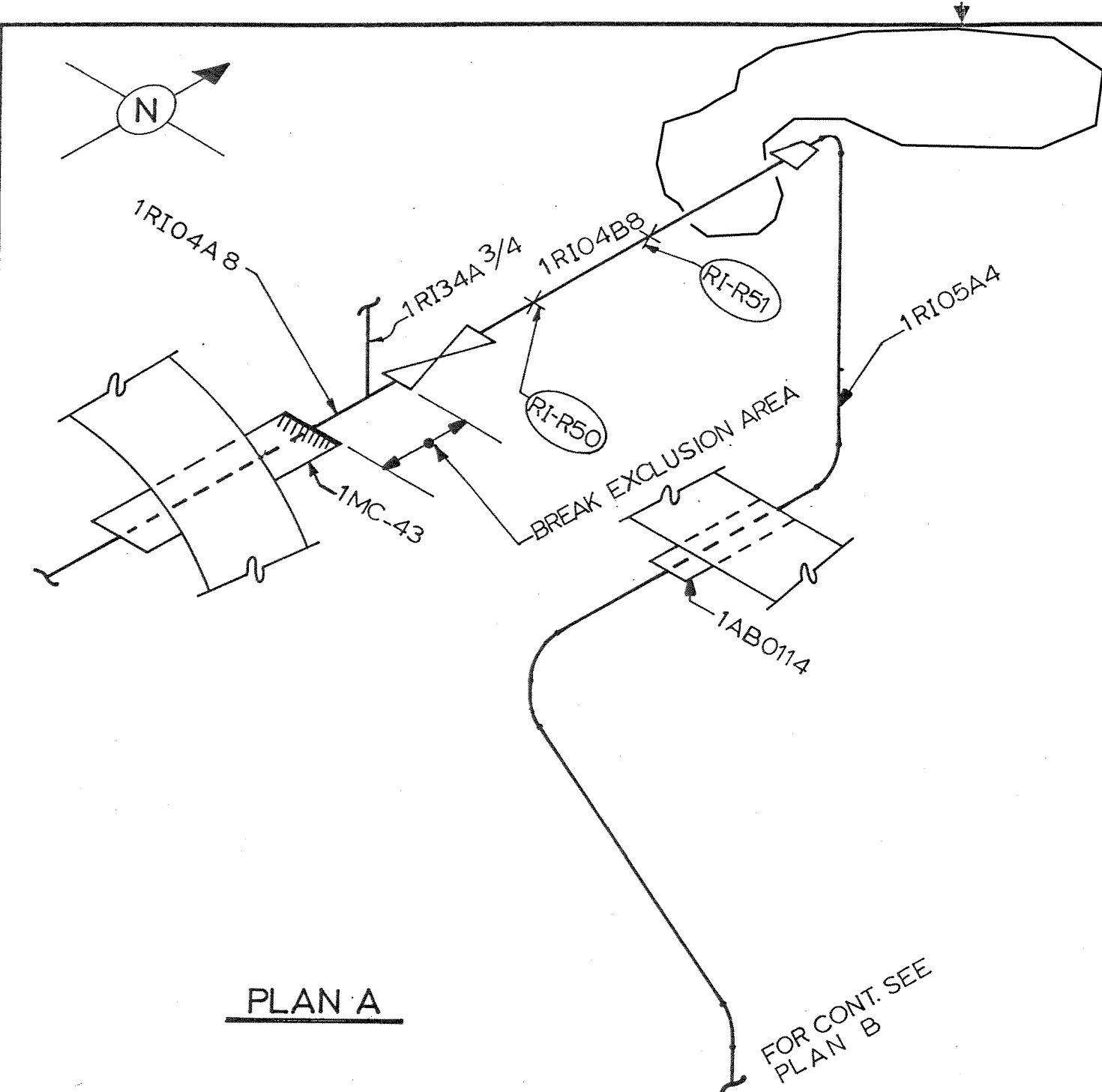
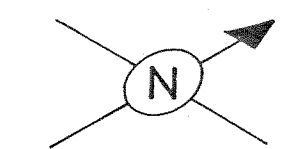


RI-R PIPE RESTRAINT
 RI-C PIPE BREAK

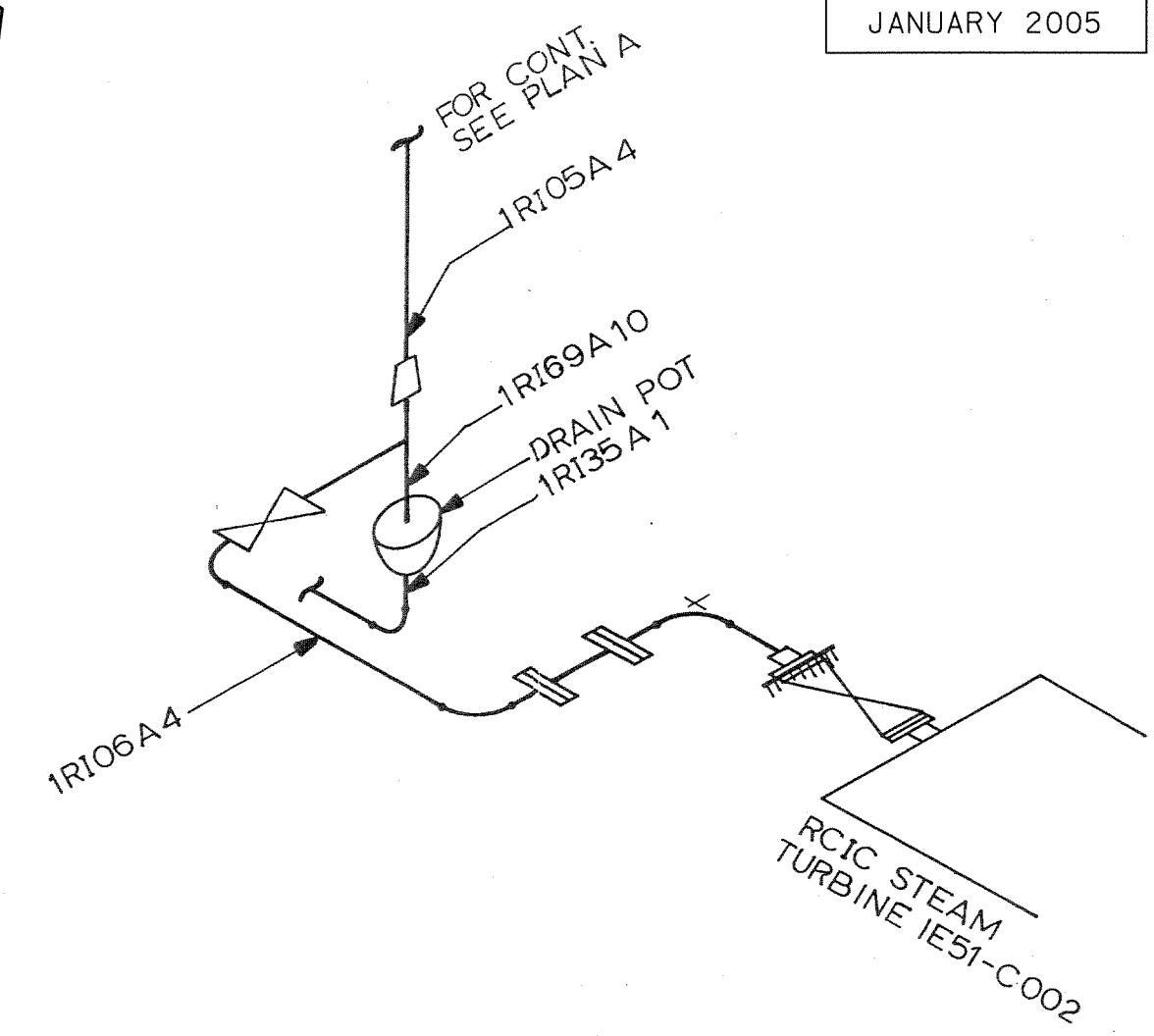
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 UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.6-20
 POSTULATED BREAKS AND RESTRAINT
 LOCATIONS RCIC SUBSYSTEM
 RI-01 INSIDE CONTAINMENT

REVISION 11
JANUARY 2005



PLAN A



PLAN B

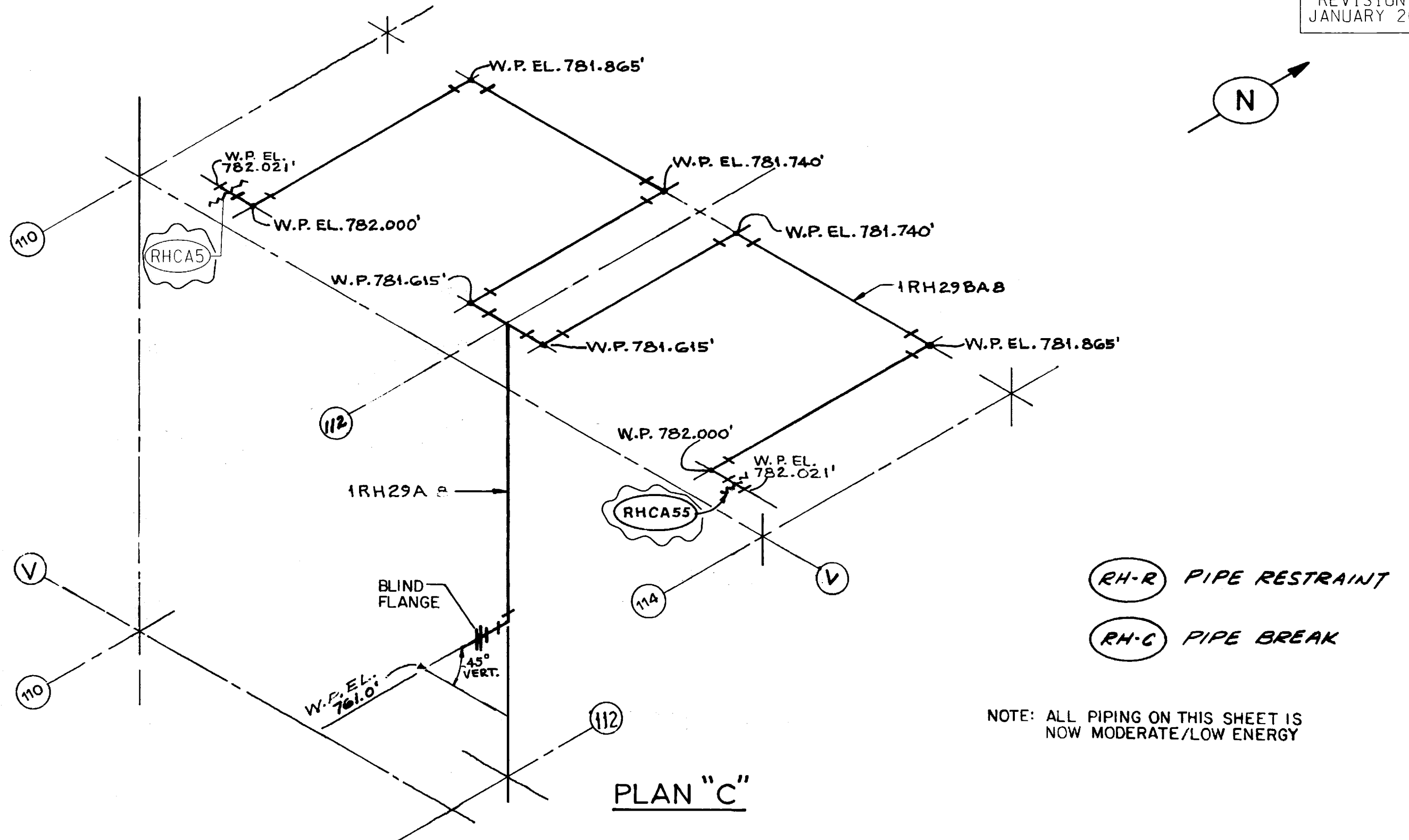
- (RI-R) PIPE RESTRAINT
- (RI-C) PIPE BREAK

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

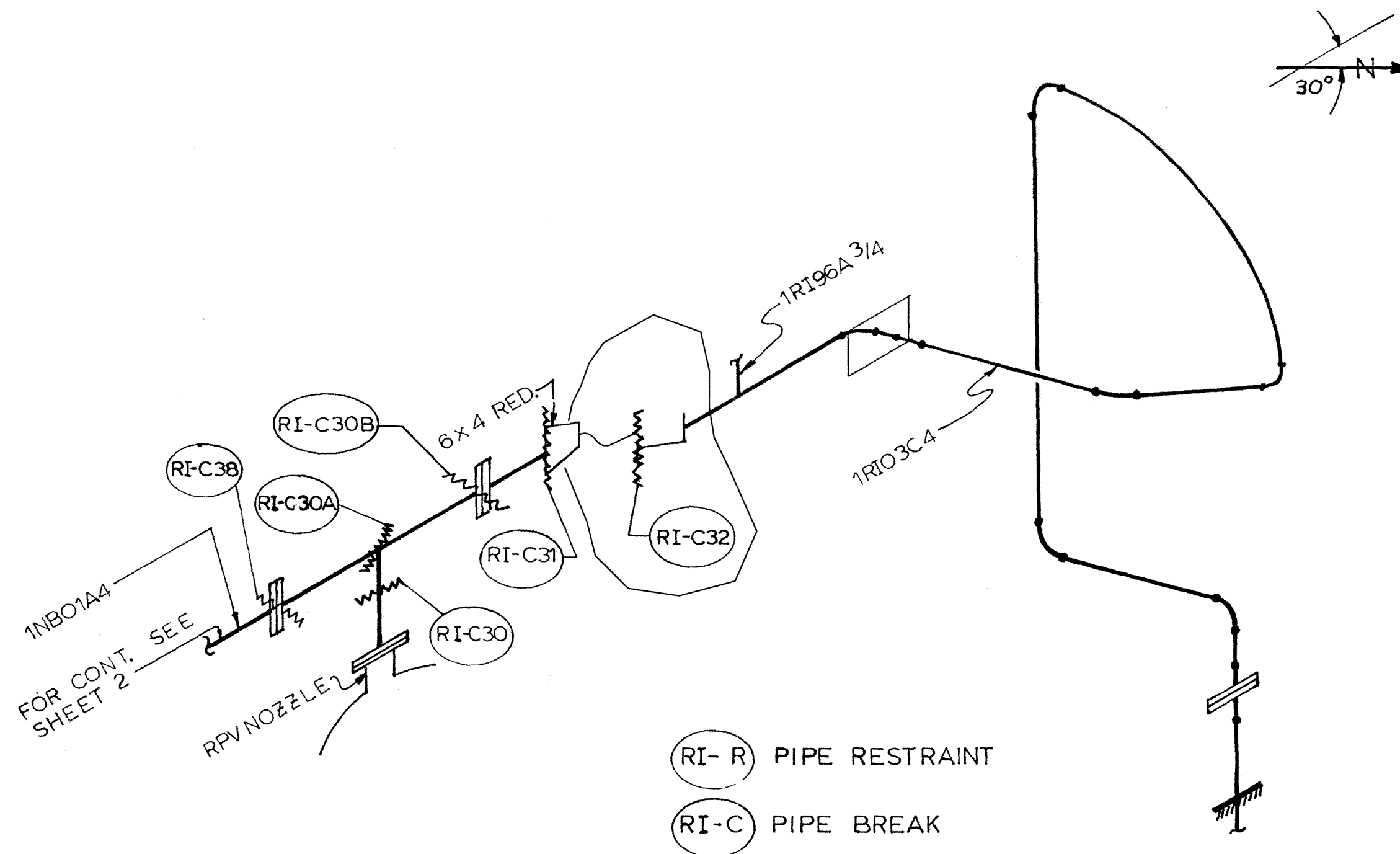
FIGURE B3.6-21
POSTULATED BREAKS AND RESTRAINT
LOCATIONS RCIC SUBSYSTEM
RI-02/RH-14 OUTSIDE CONTAINMENT
(SHEET 1 OF 2)

FORM 309 2-4-4

R.C.I.-80

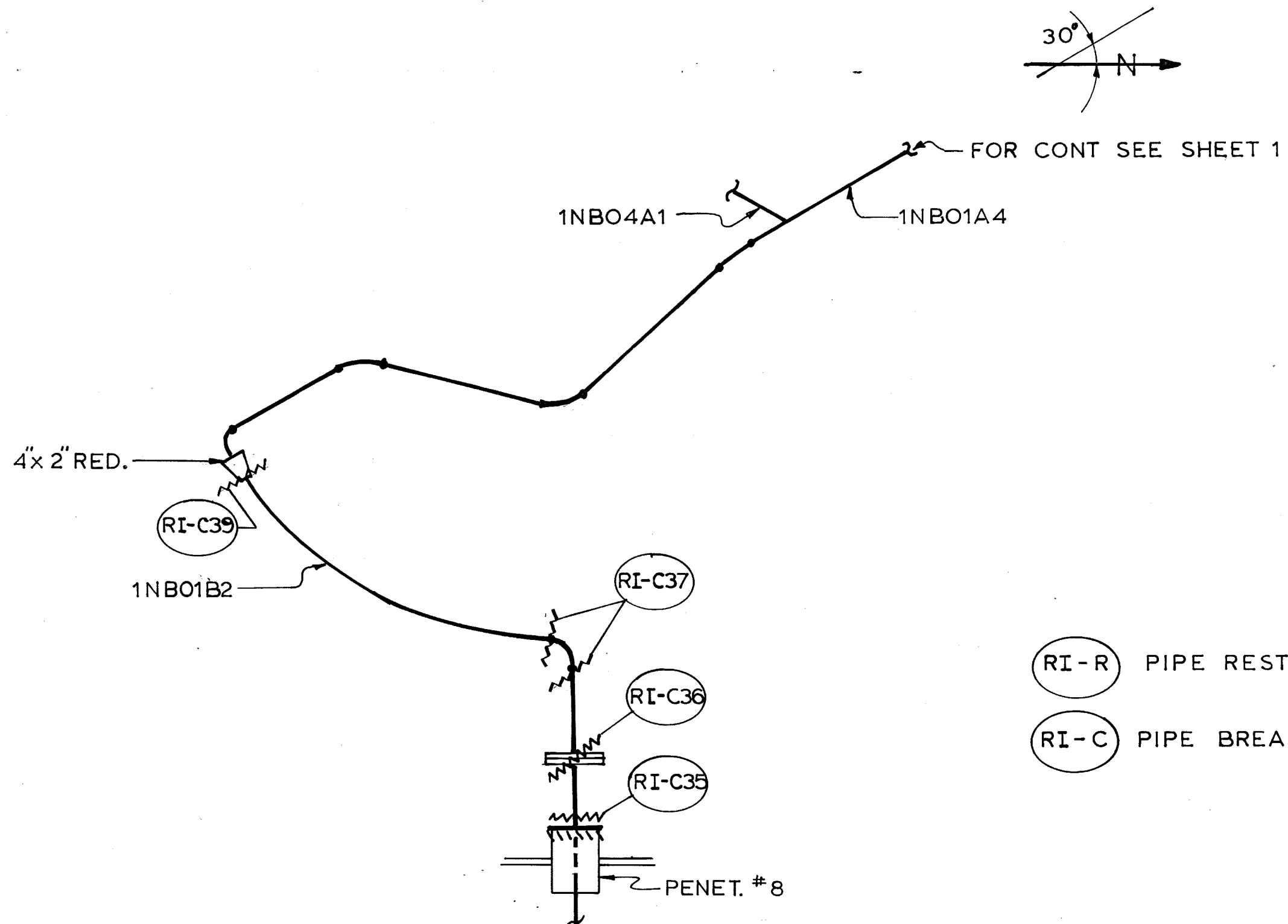


NOTE: ALL PIPING ON THIS SHEET IS
NOW MODERATE/LOW ENERGY



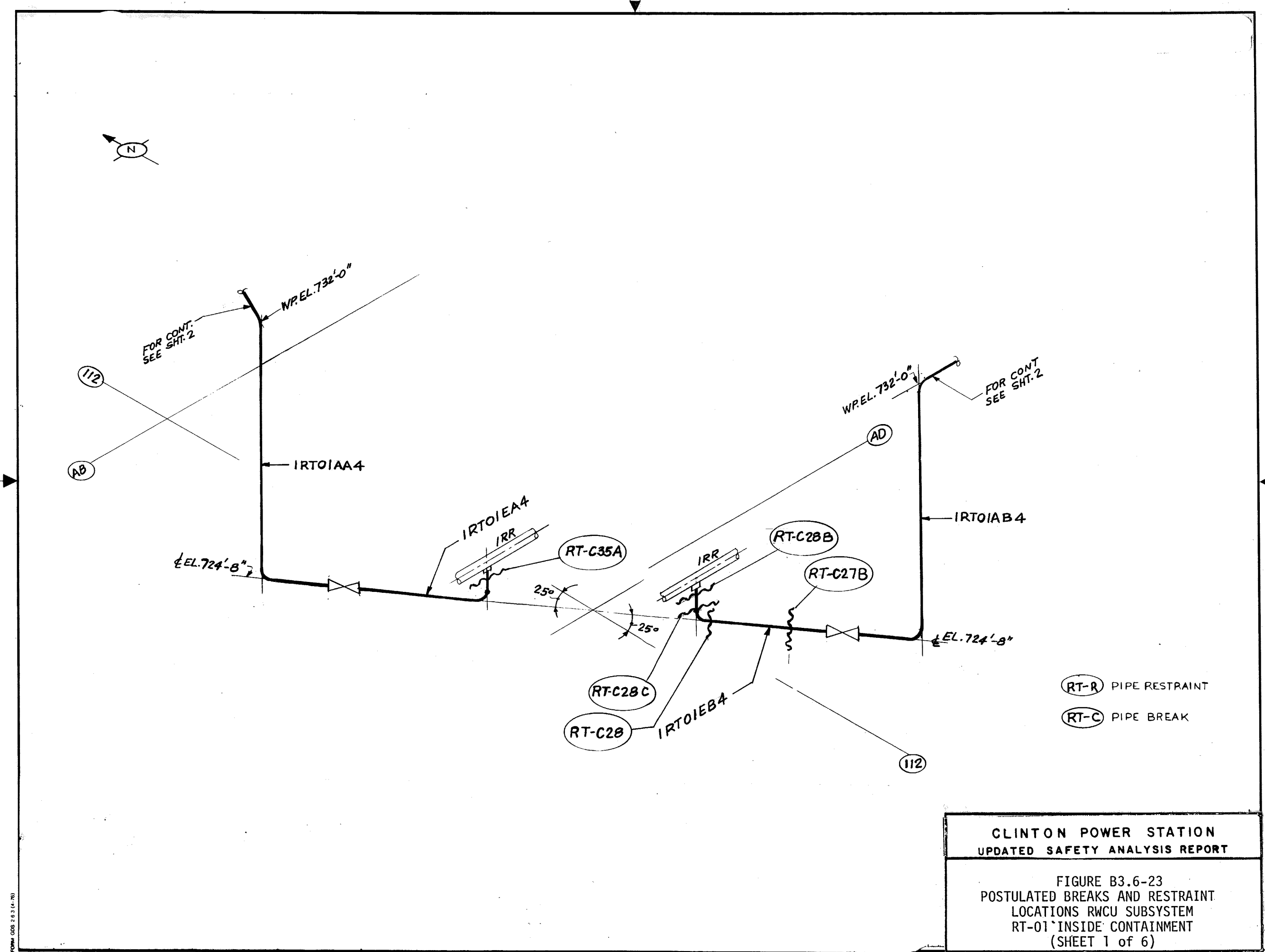
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UPDATED SAFETY ANALYSIS REPORT

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



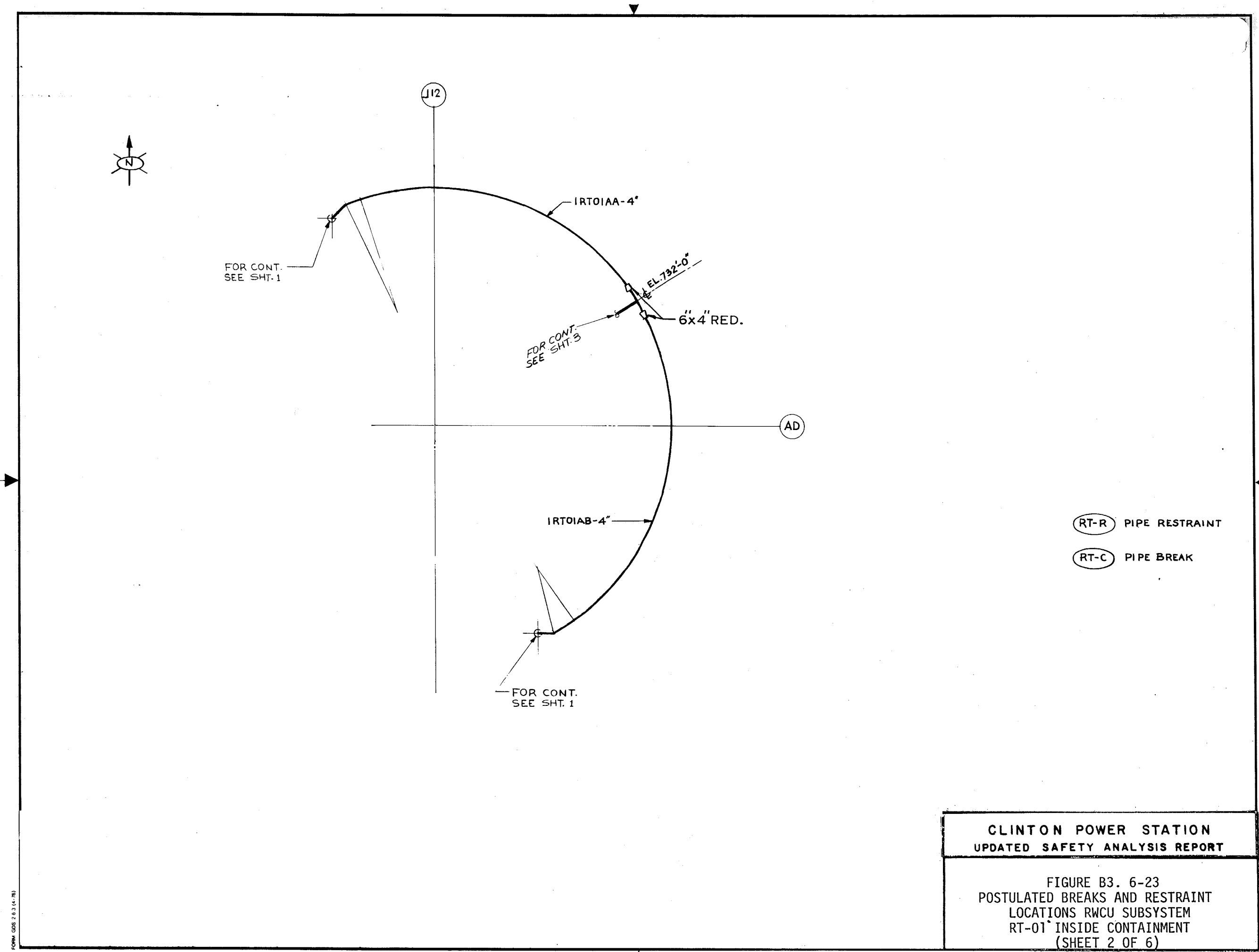
(RI-R) PIPE RESTRAINT
 (RI-C) PIPE BREAK

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 2 OF 2)

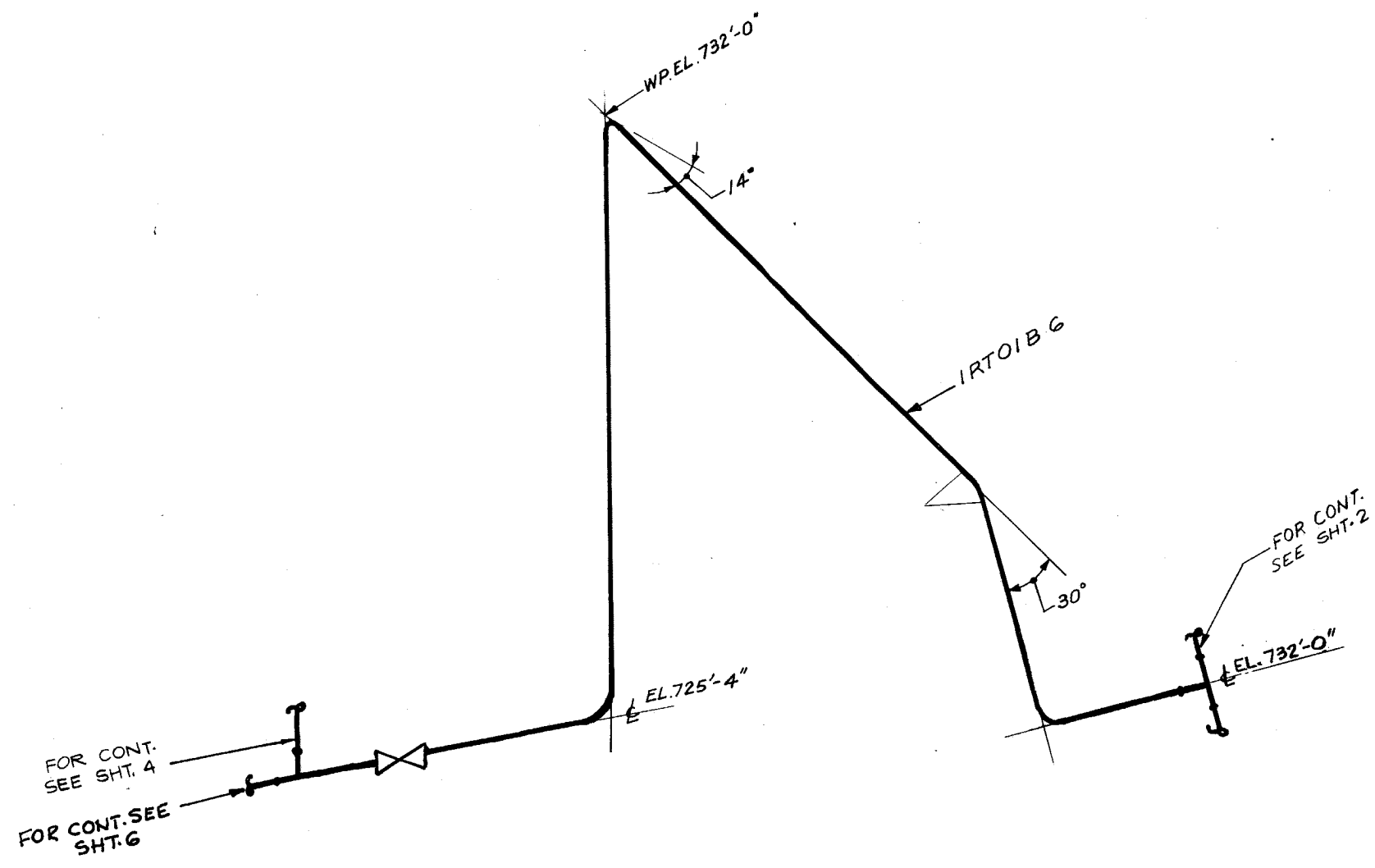


CLINTON POWER STATION
 UPDATED SAFETY ANALYSIS REPORT

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



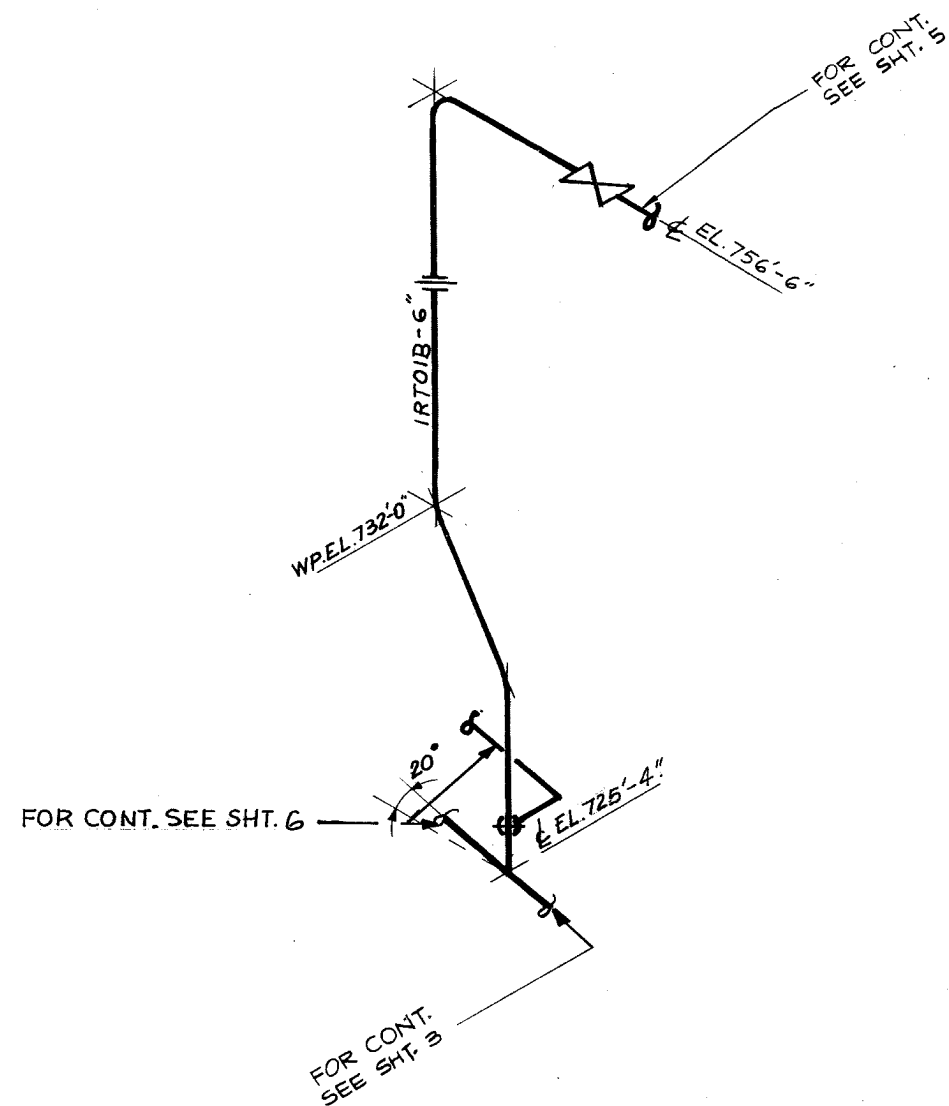
<p>CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT</p>
<p>FIGURE B3. 6-23 POSTULATED BREAKS AND RESTRAINT LOCATIONS RWCU SUBSYSTEM RT-01 INSIDE CONTAINMENT (SHEET 2 OF 6)</p>



- RT-R PIPE RESTRAINT
- RT-C PIPE BREAK

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

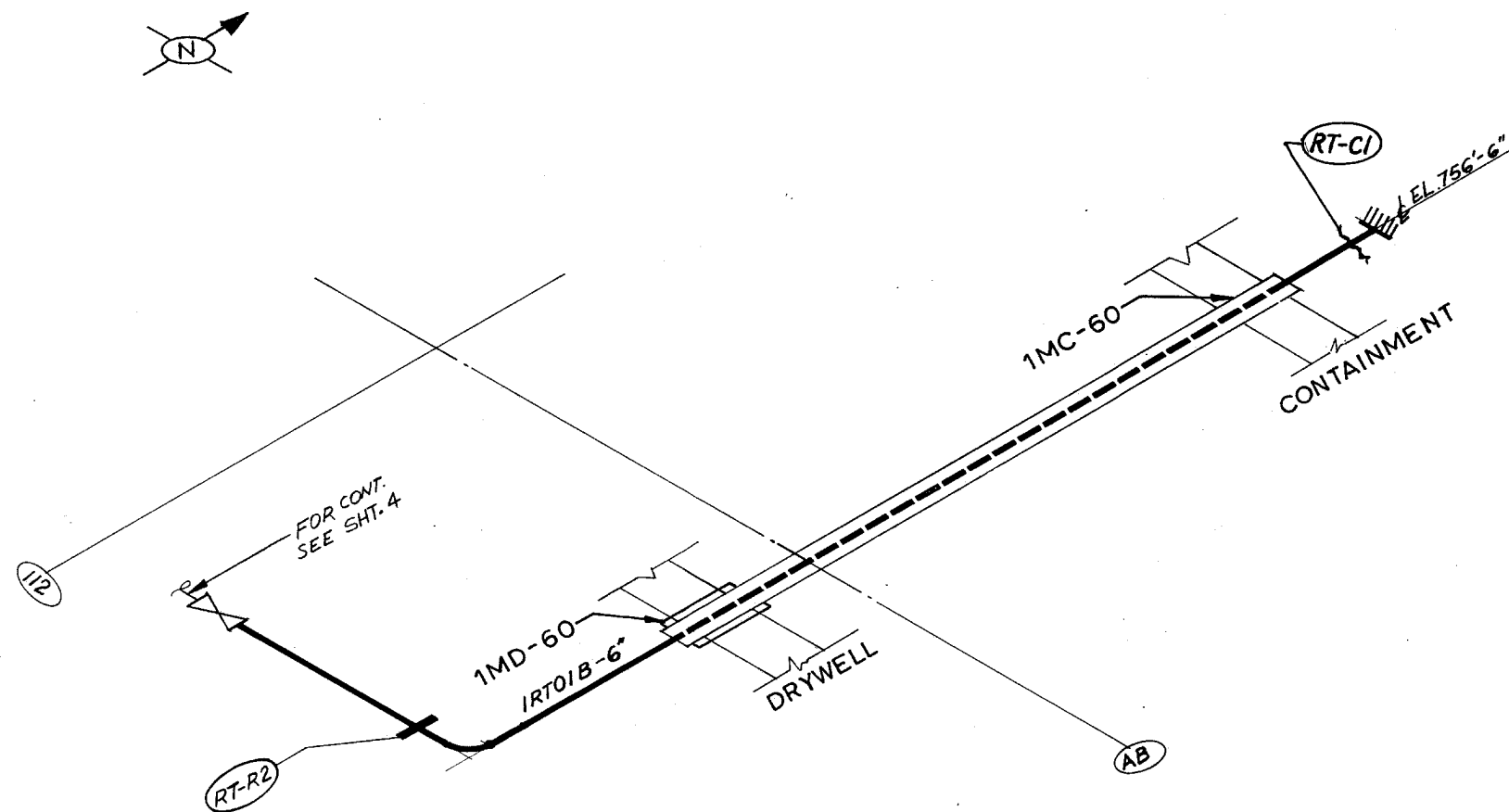
FIGURE B3.6-23
POSTULATED BREAKS AND RESTRAINT
LOCATIONS RWC SUBSYSTEM
RT-01 INSIDE CONTAINMENT
(SHEET 3 OF 6)



- (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)

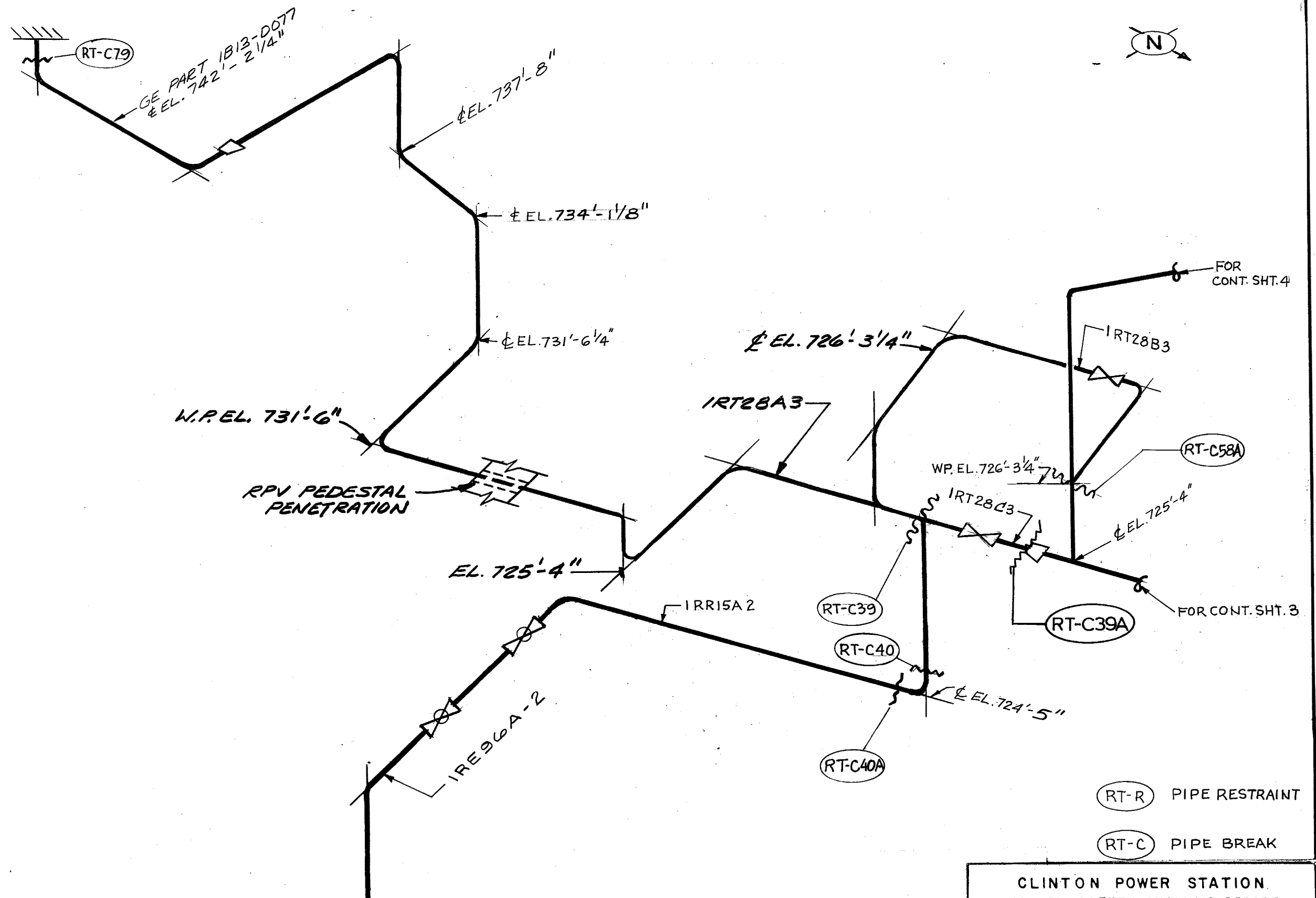


RT-R PIPE RESTRAINT

RT-C PIPE BREAK

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

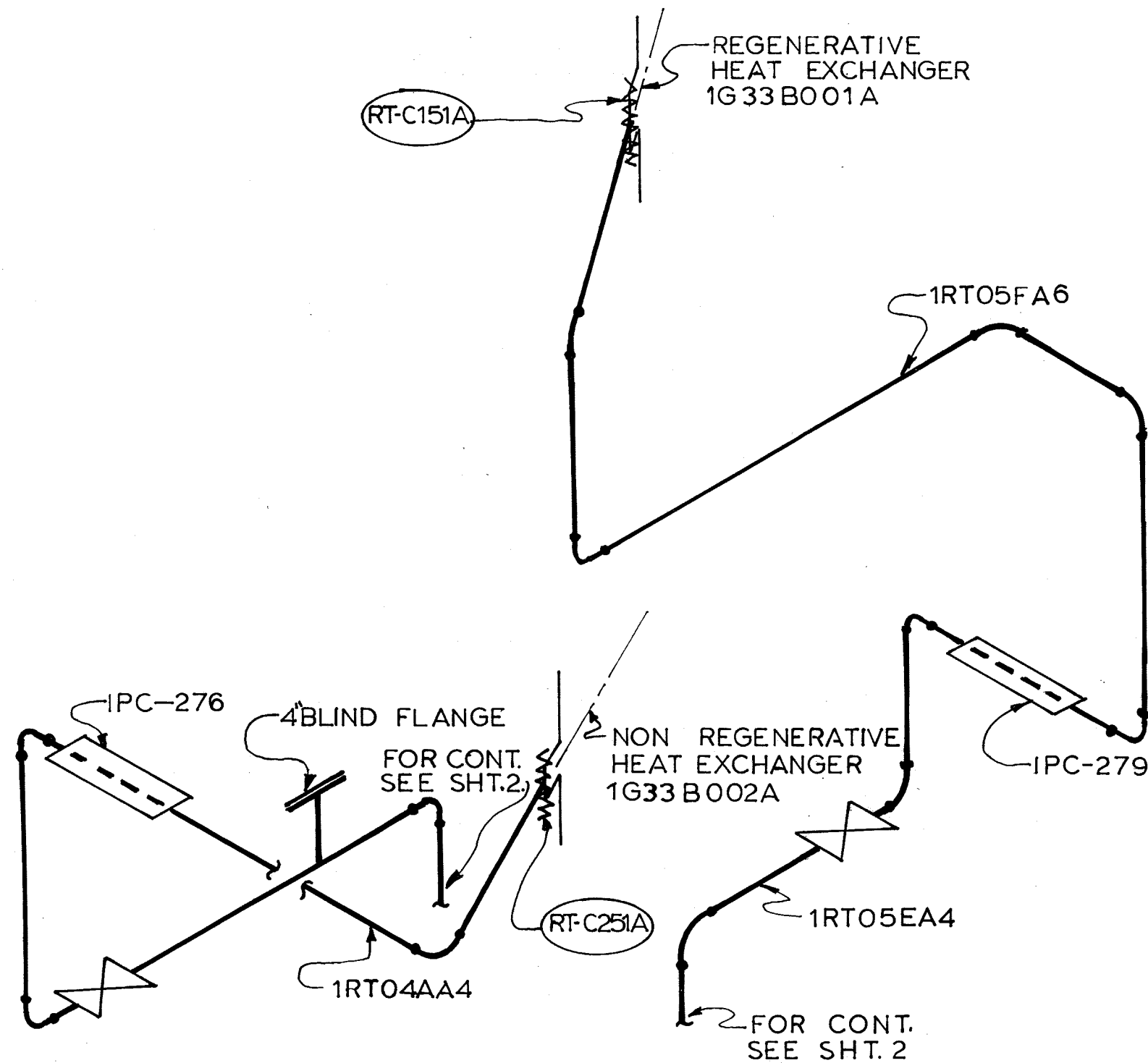
FIGURE B3.6-23
POSTULATED BREAKS AND RESTRAINT
LOCATIONS RWCU SUBSYSTEM
RT-01 INSIDE CONTAINMENT
(SHEET 5 OF 6)



RT-01

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

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

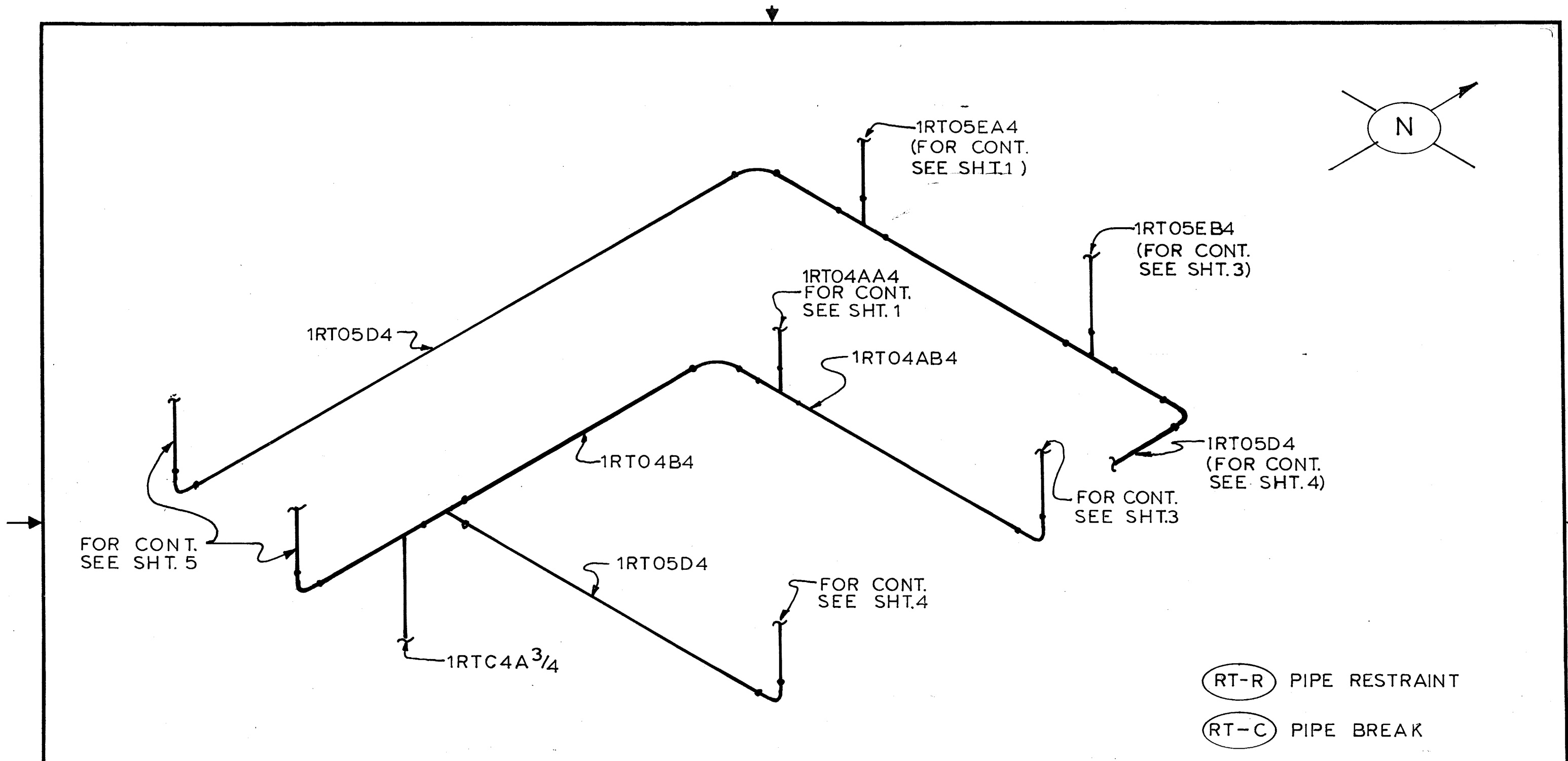


RT-R PIPE RESTRAINT

RT-C PIPE BREAK

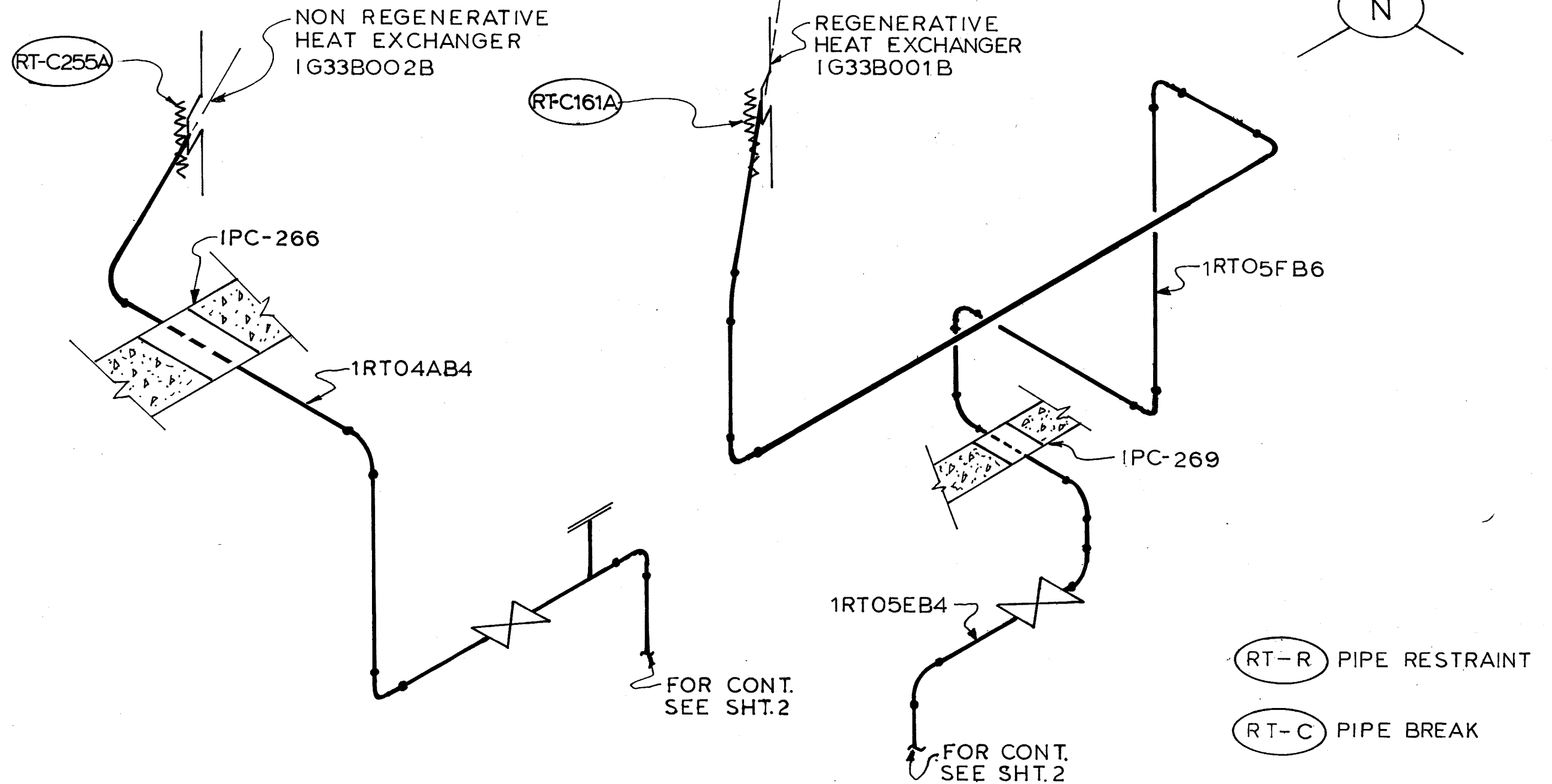
CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.6-24
POSTULATED BREAKS AND RESTRAINT
LOCATIONS RWCU SUBSYSTEM
RT-02 INSIDE CONTAINMENT
(SHEET 1 OF 5)



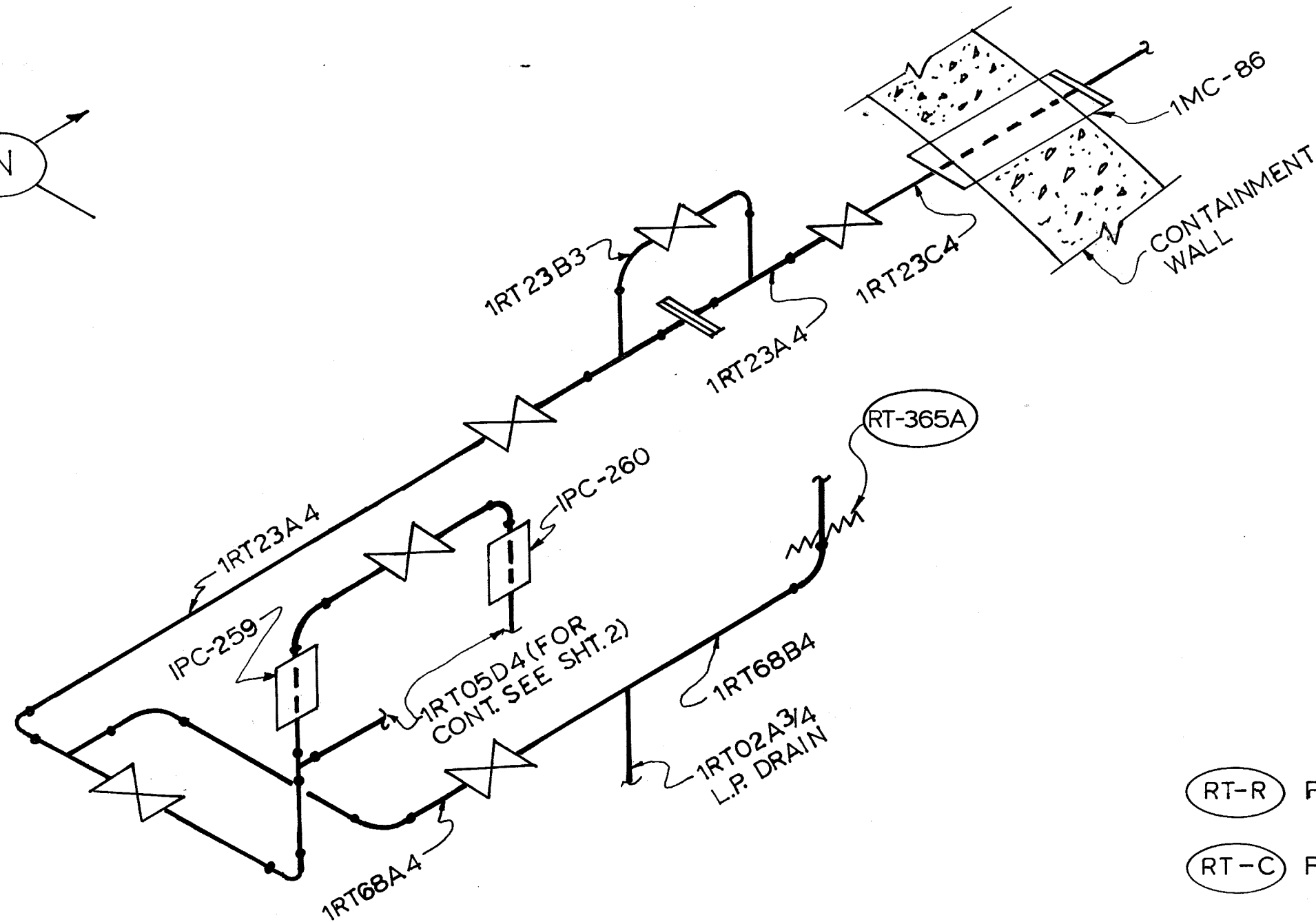
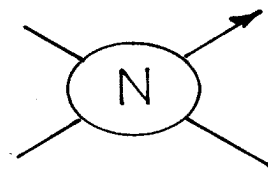
CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

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 RCU SUBSYSTEM
RT-02 INSIDE CONTAINMENT
(SHEET 3 OF 5)

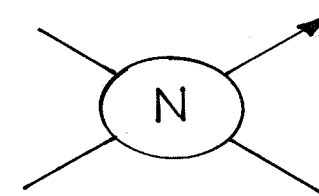


RT-R PIPE RESTRAINT

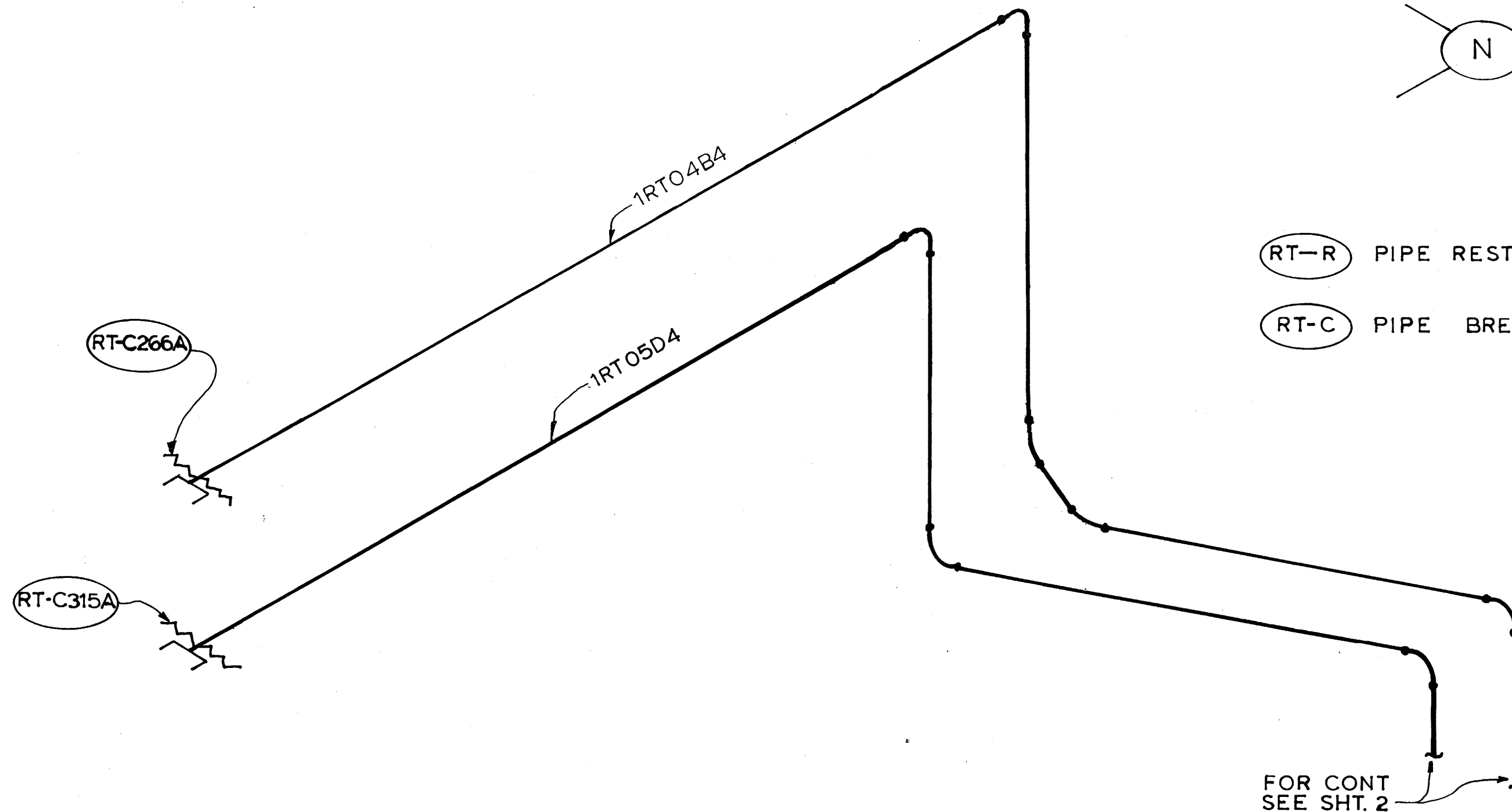
RT-C PIPE BREAK

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

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

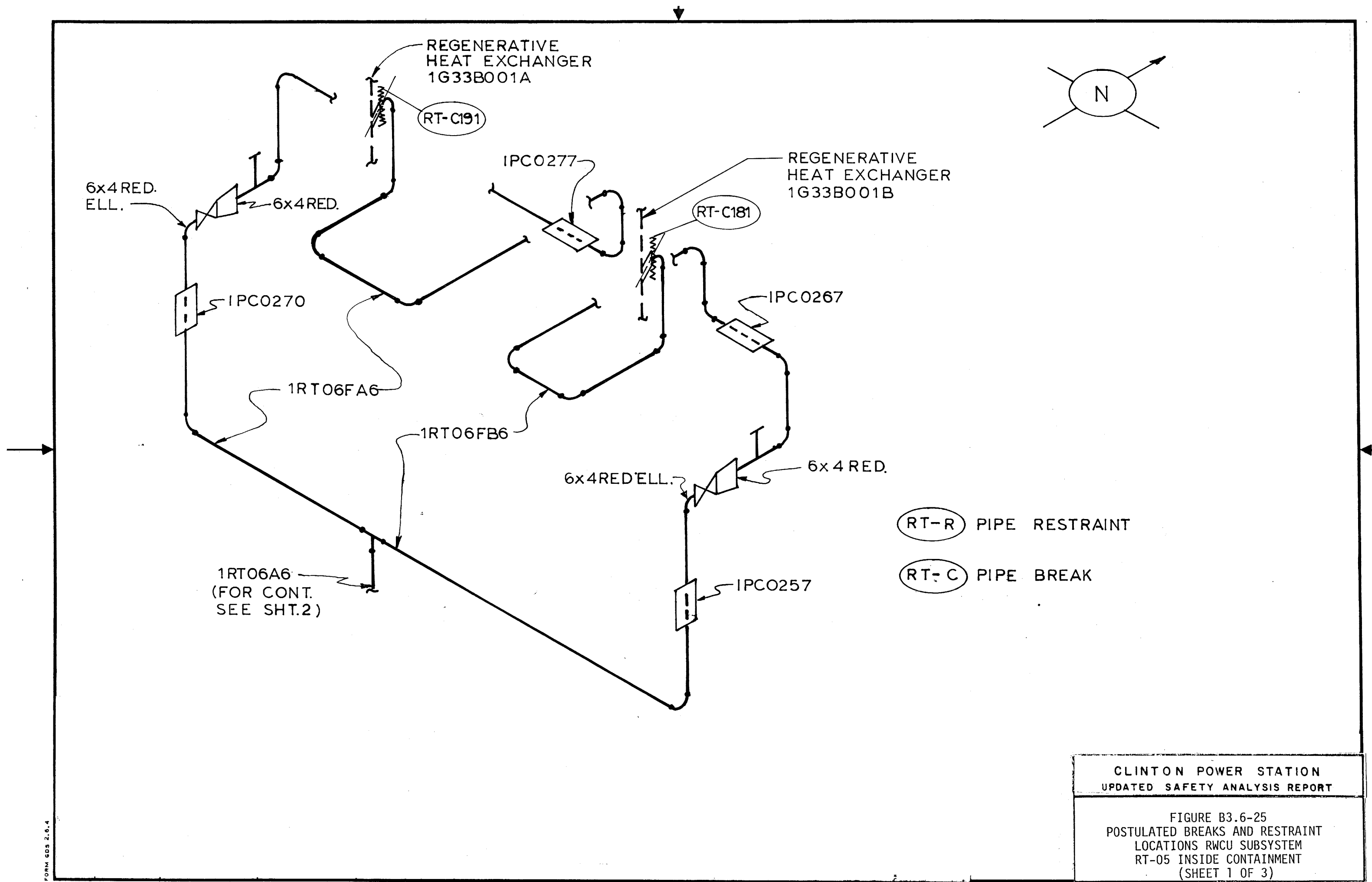


(RT-R) PIPE RESTRAINT
(RT-C) PIPE BREAK



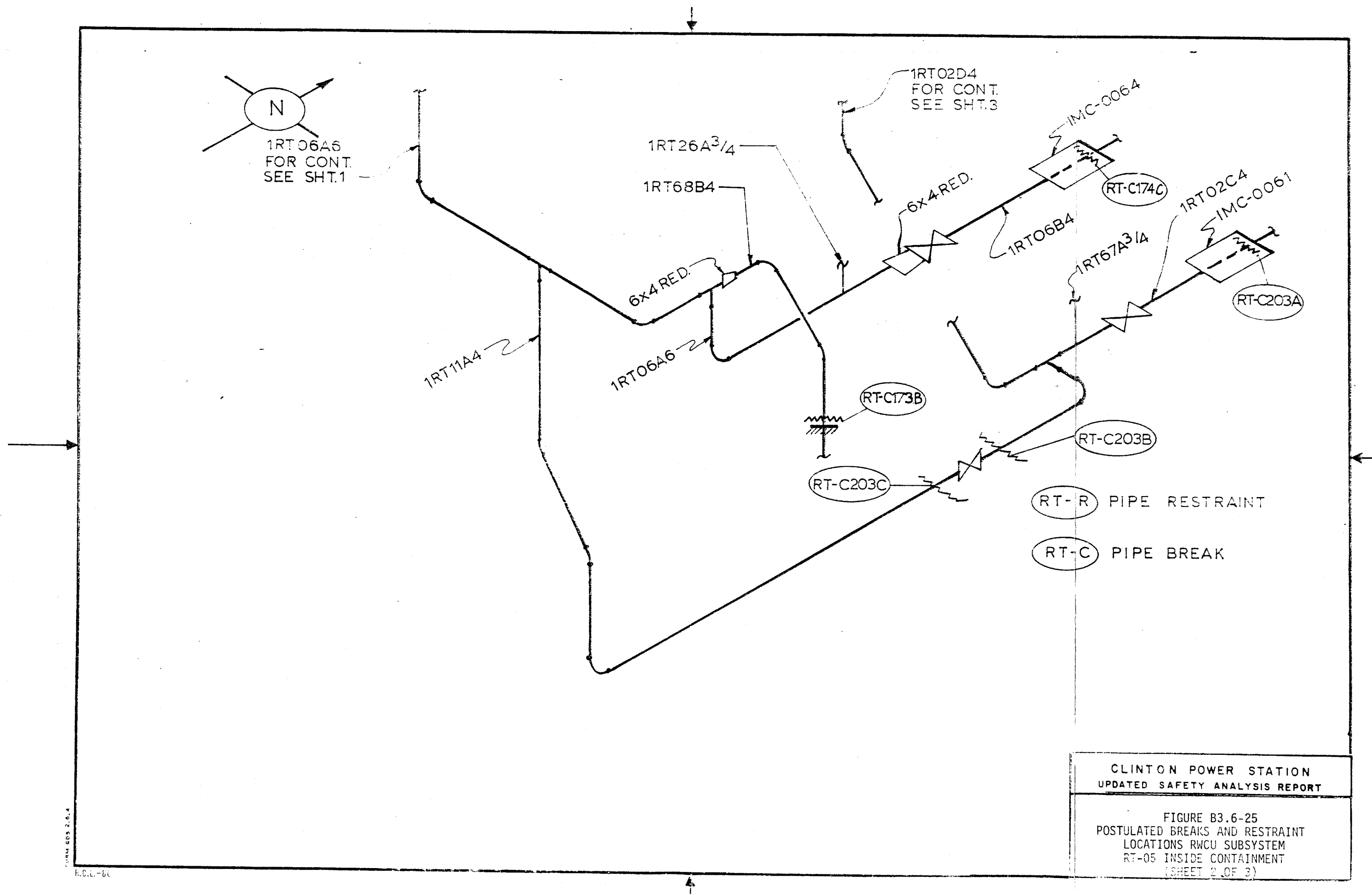
CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

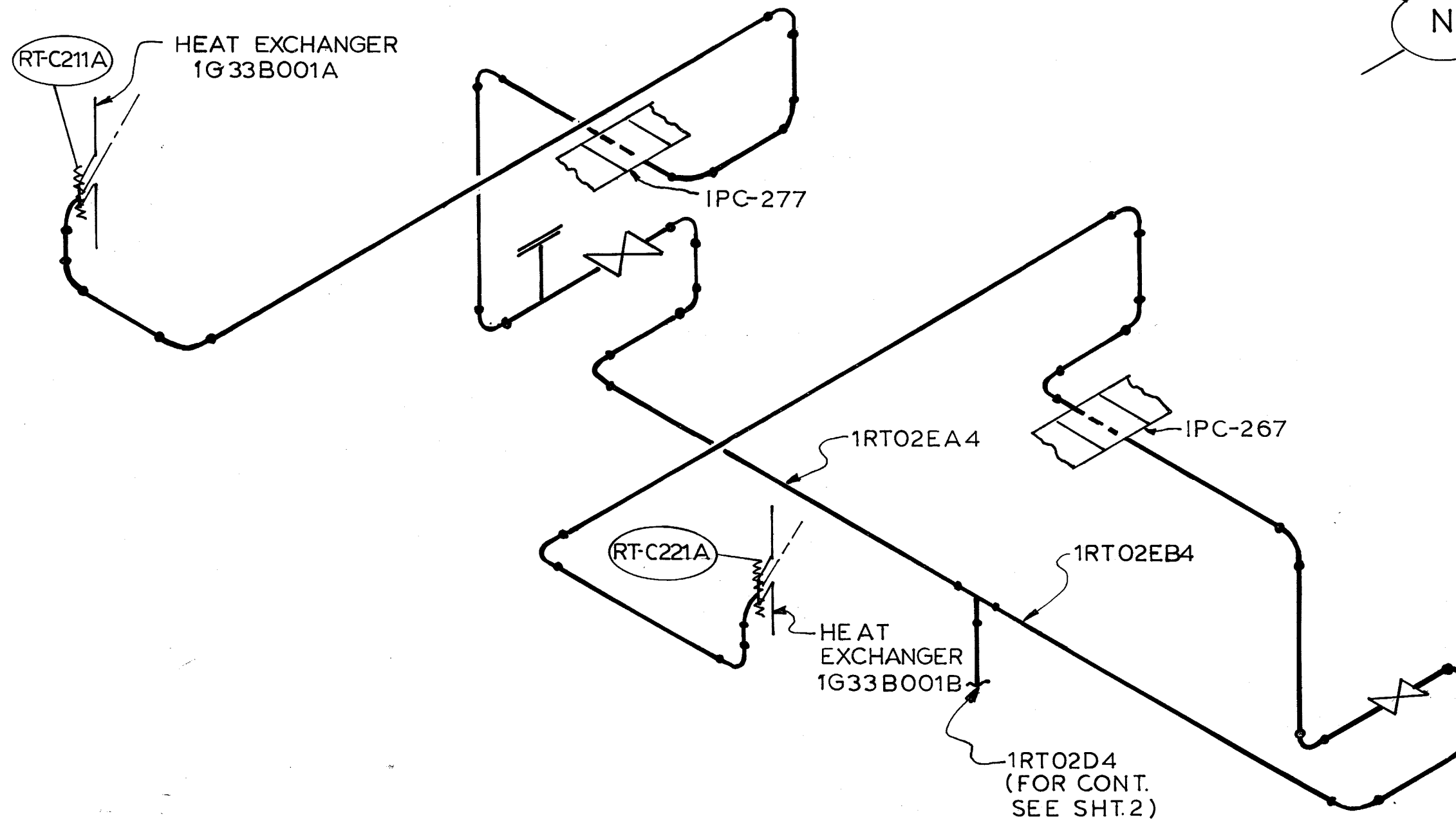
FIGURE B3.6-24
POSTULATED BREAKS AND RESTRAINT
LOCATIONS RWCU SUBSYSTEM
RT-02 INSIDE CONTAINMENT
(SHEET 5 OF 5)



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



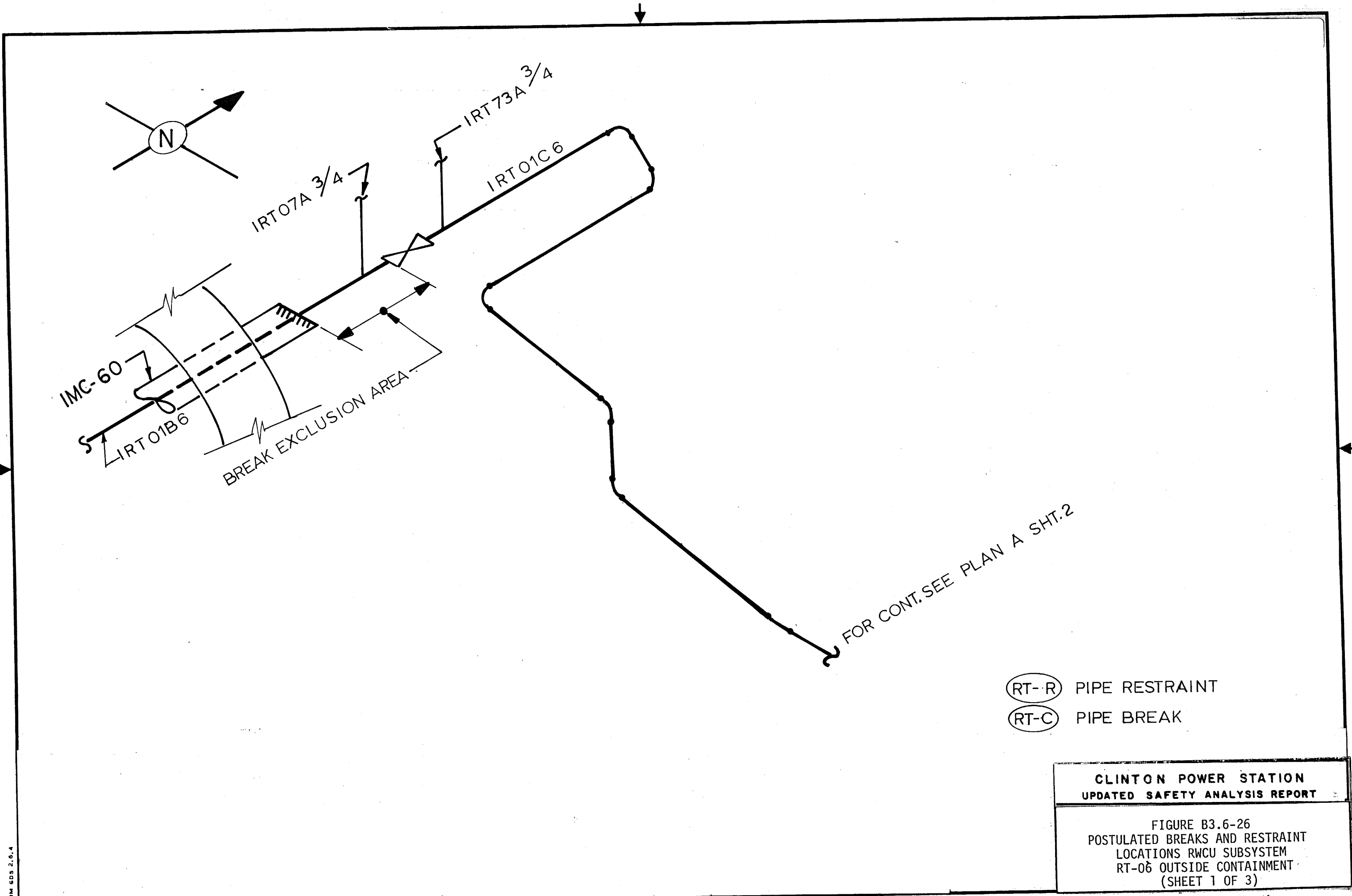


RT-R PIPE RESTRAINT

RT-C PIPE BREAK

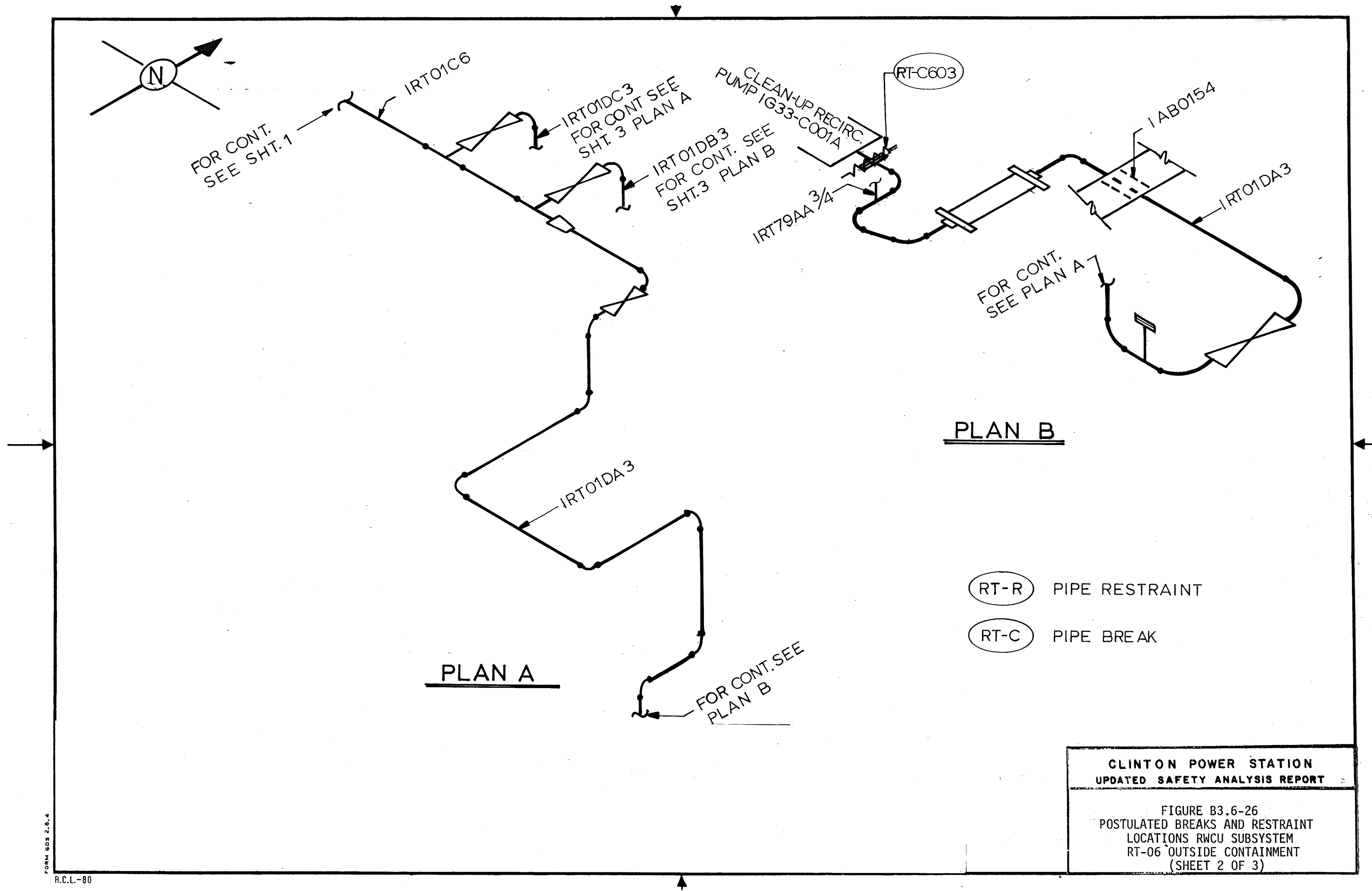
CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

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



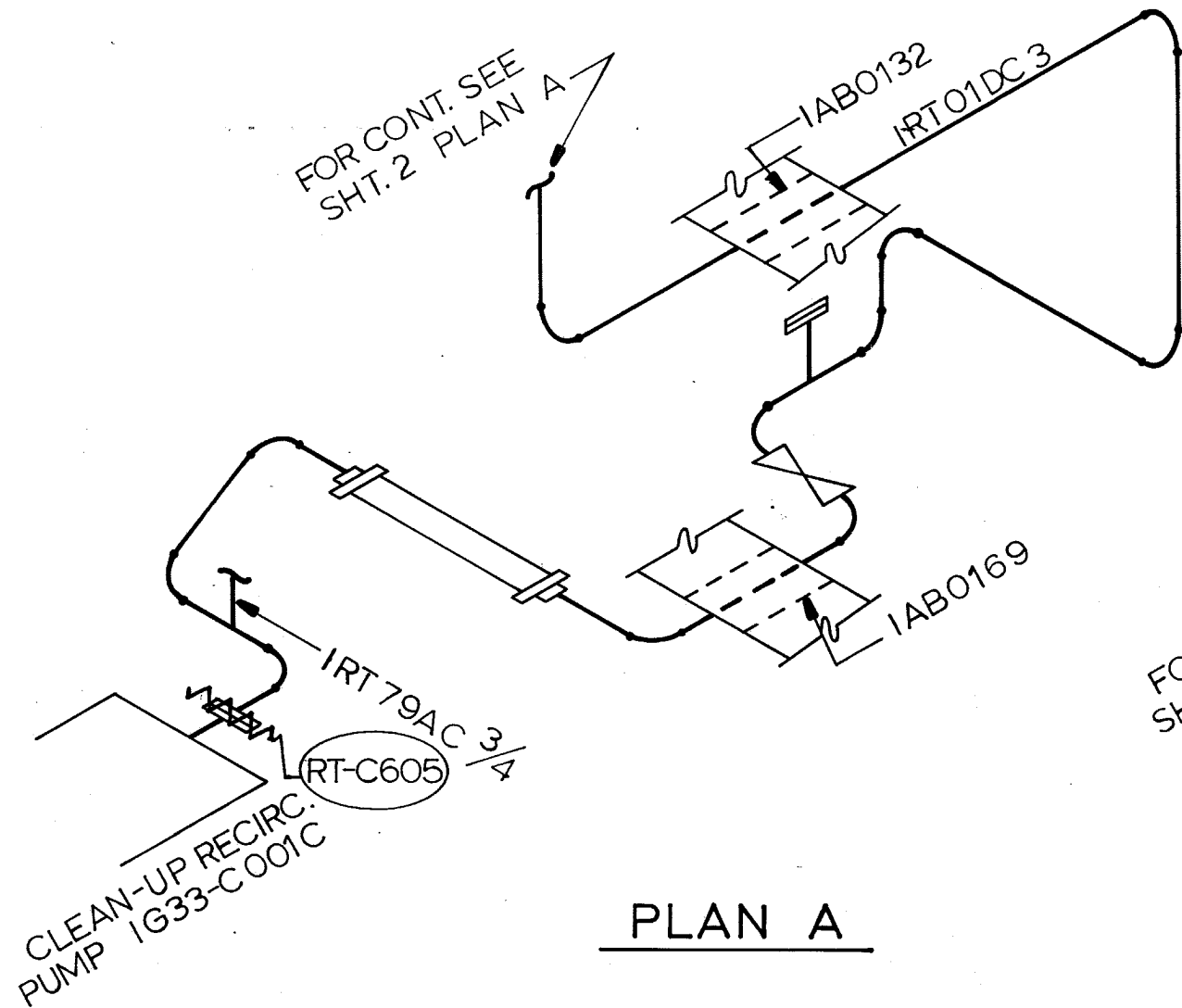
- (RT-R) PIPE RESTRAINT
- (RT-C) PIPE BREAK

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)

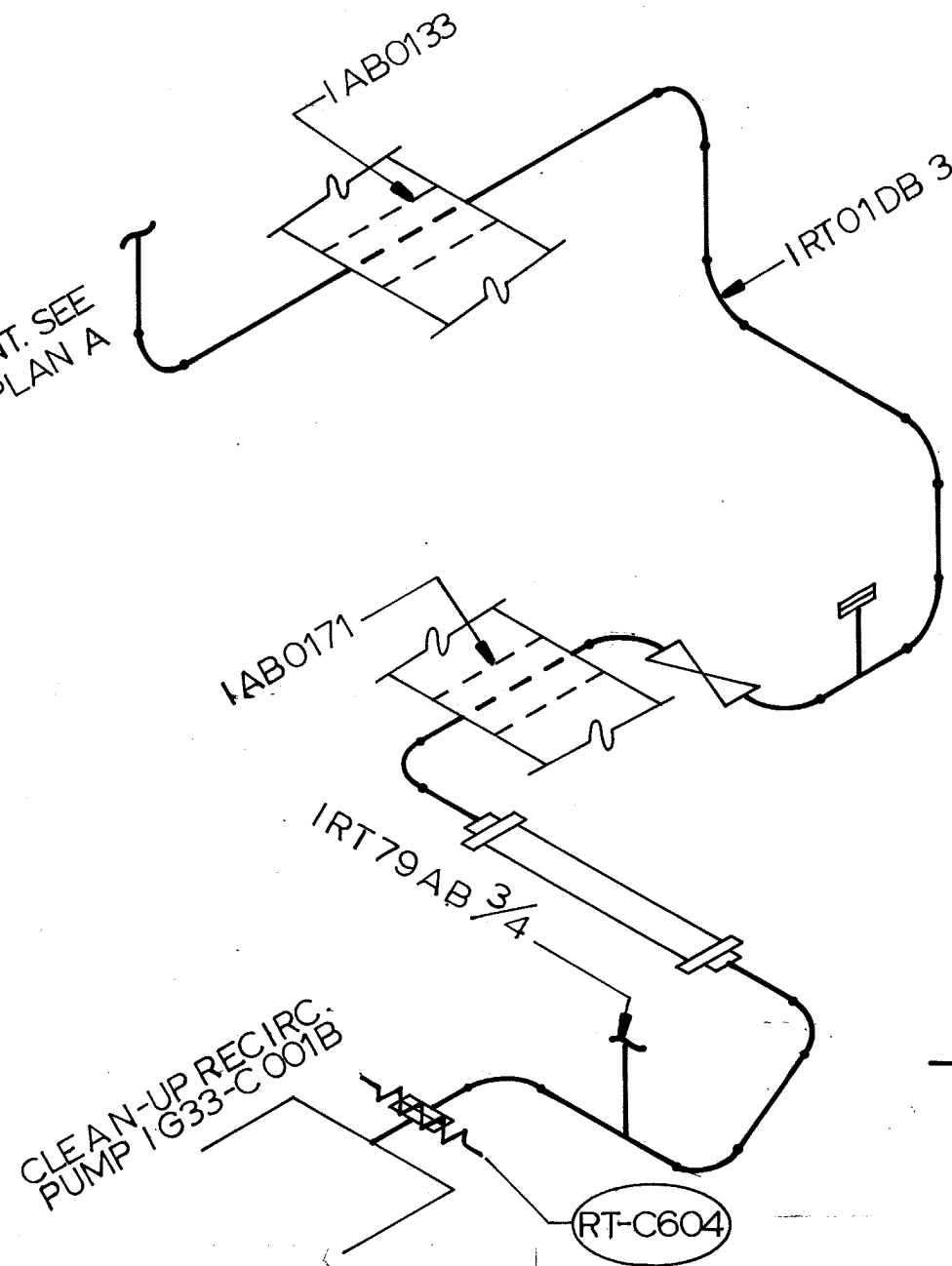


CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

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



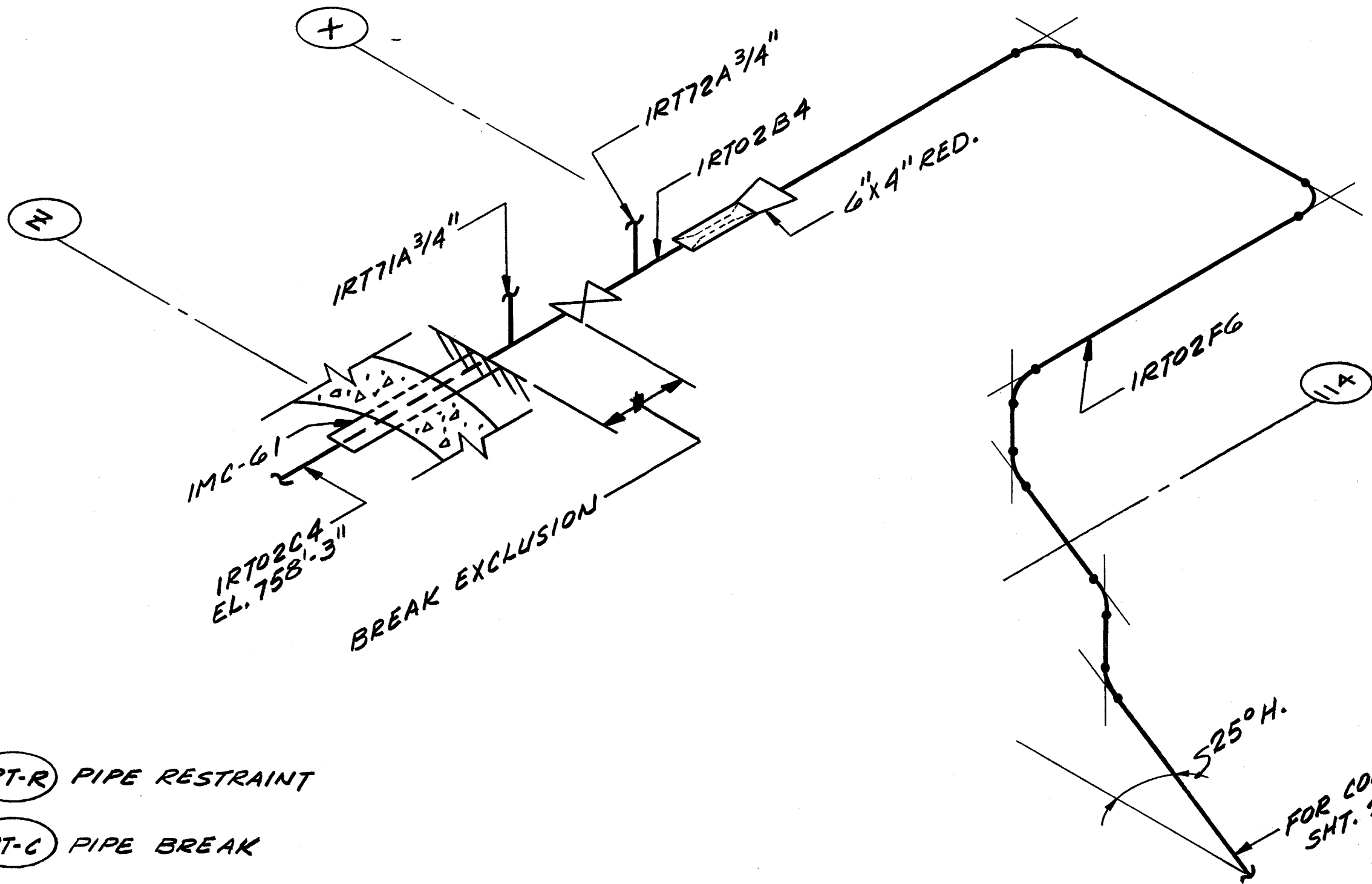
FOR CONT. SEE
SHT. 2 PLAN A



- 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)

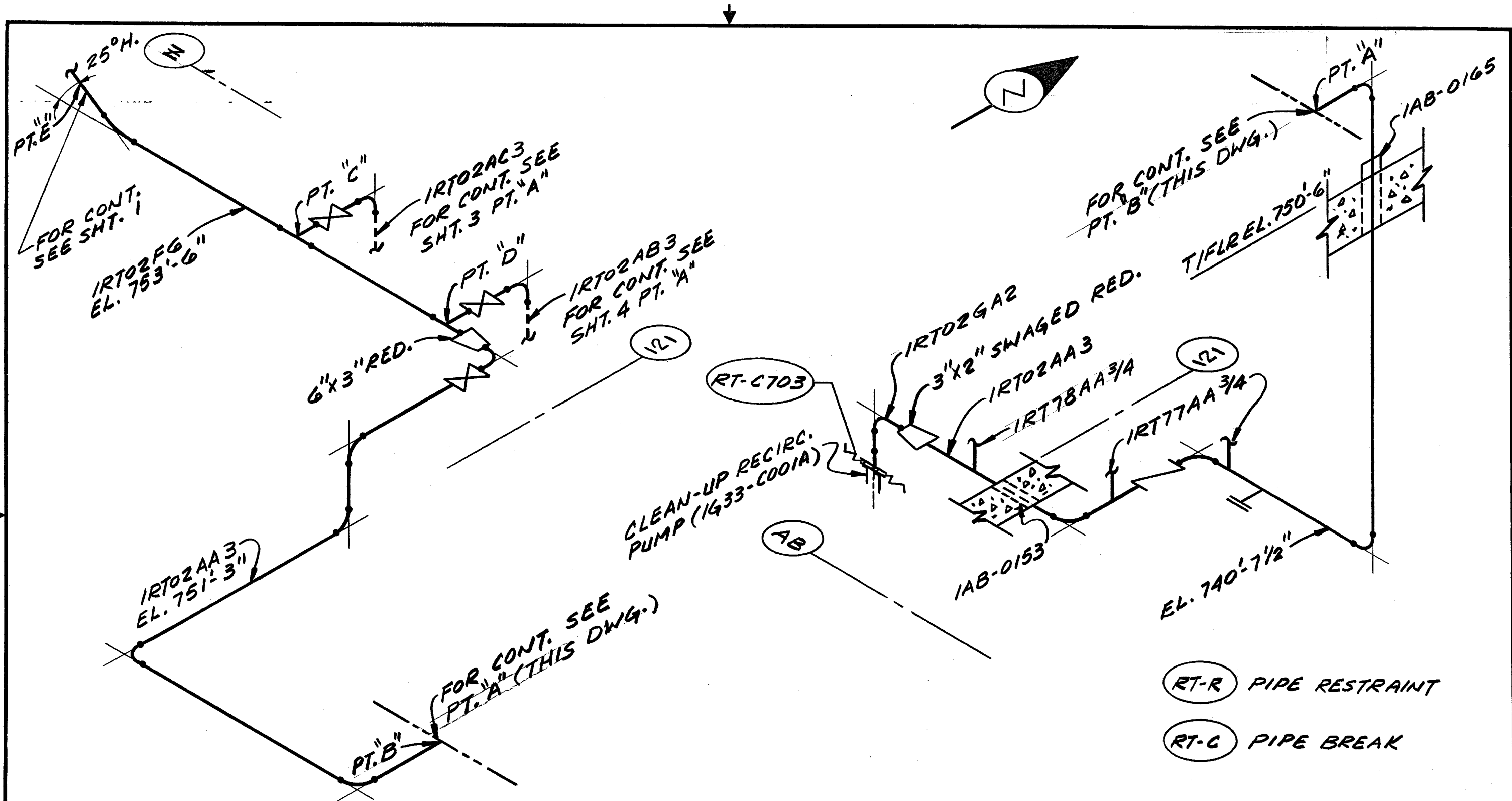


RT-R PIPE RESTRAINT

RT-C PIPE BREAK

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"

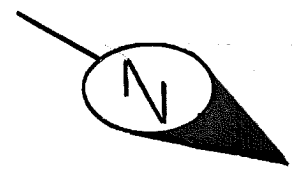
PT. "A"

(IRT02F-6)

W.P. EL. 750.750'

IAB-0176

T/FLR EL. 750'-6"



IAB-0131

W.P. EL. 740.625'

3"x2" SWG. RED.

(IRT02GC 2)

RT-C705

W.P. EL. 739.916'

IRT18CA 3/4

(IRT02AC-3)

(117)

W.P. EL. 744.5'

IAB-0168

(Z)

(RT-R) PIPE RESTRAINT

(RT-C) PIPE BREAK

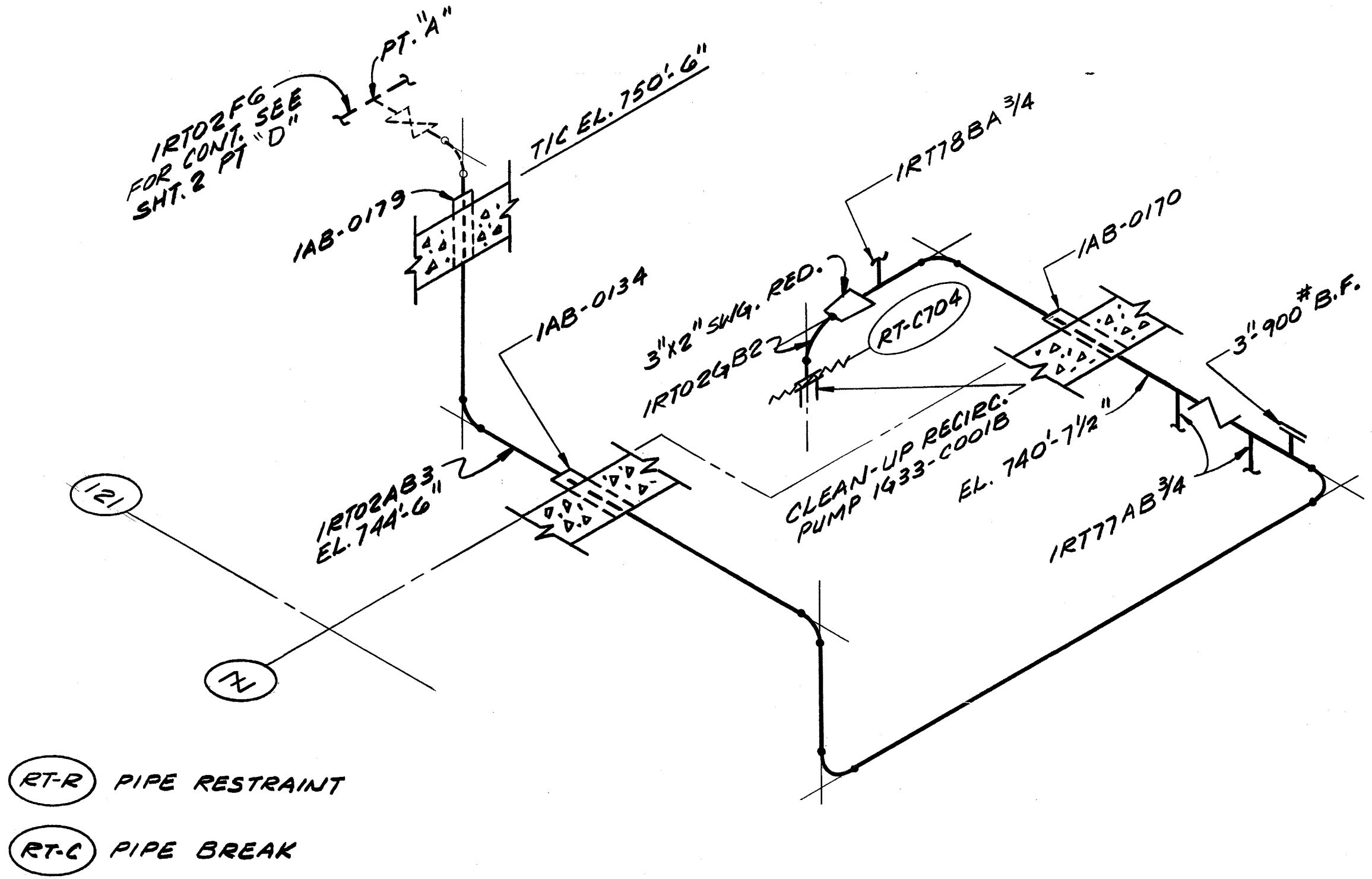
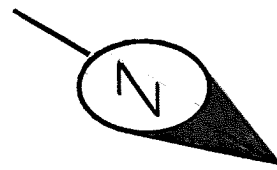
IRT11AC 3/4

3"-90# B.F.

W.P. EL. 740.625'

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

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

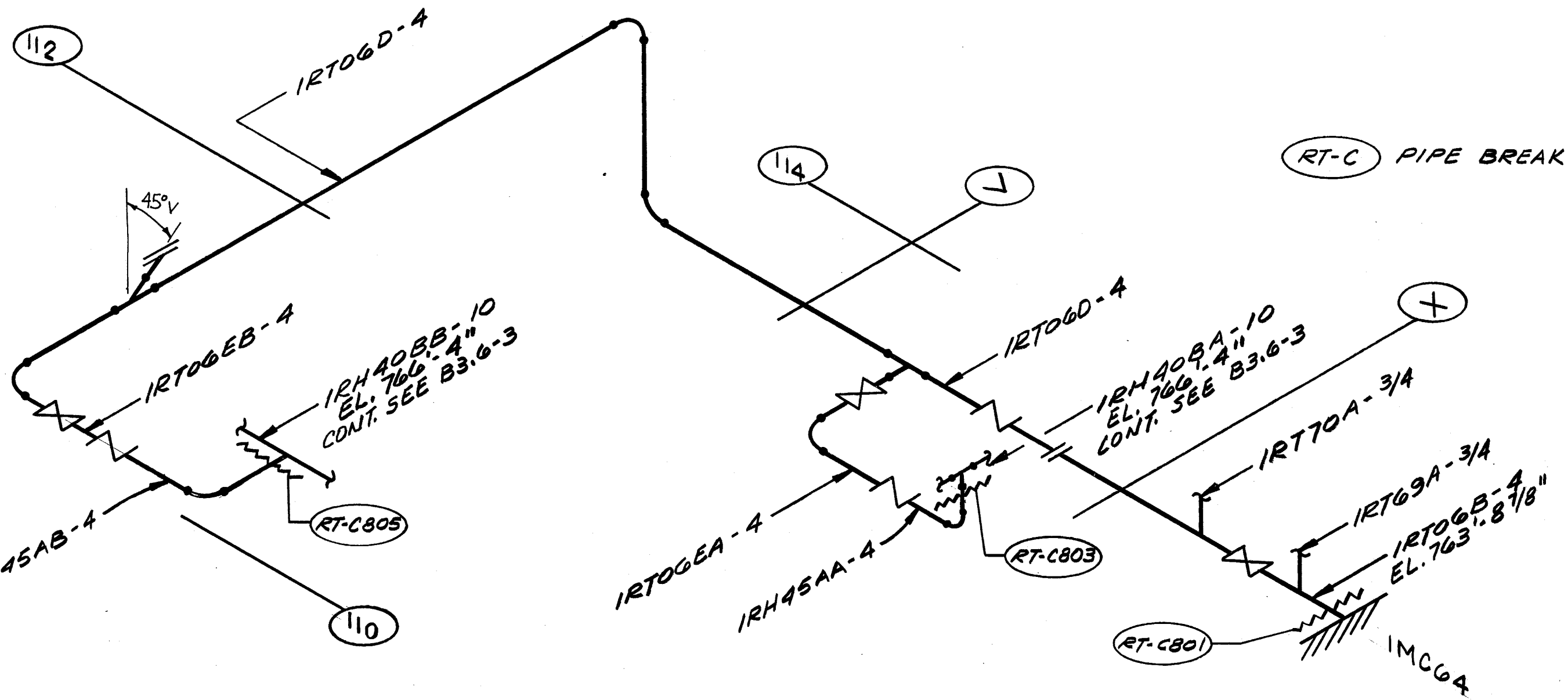


CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

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

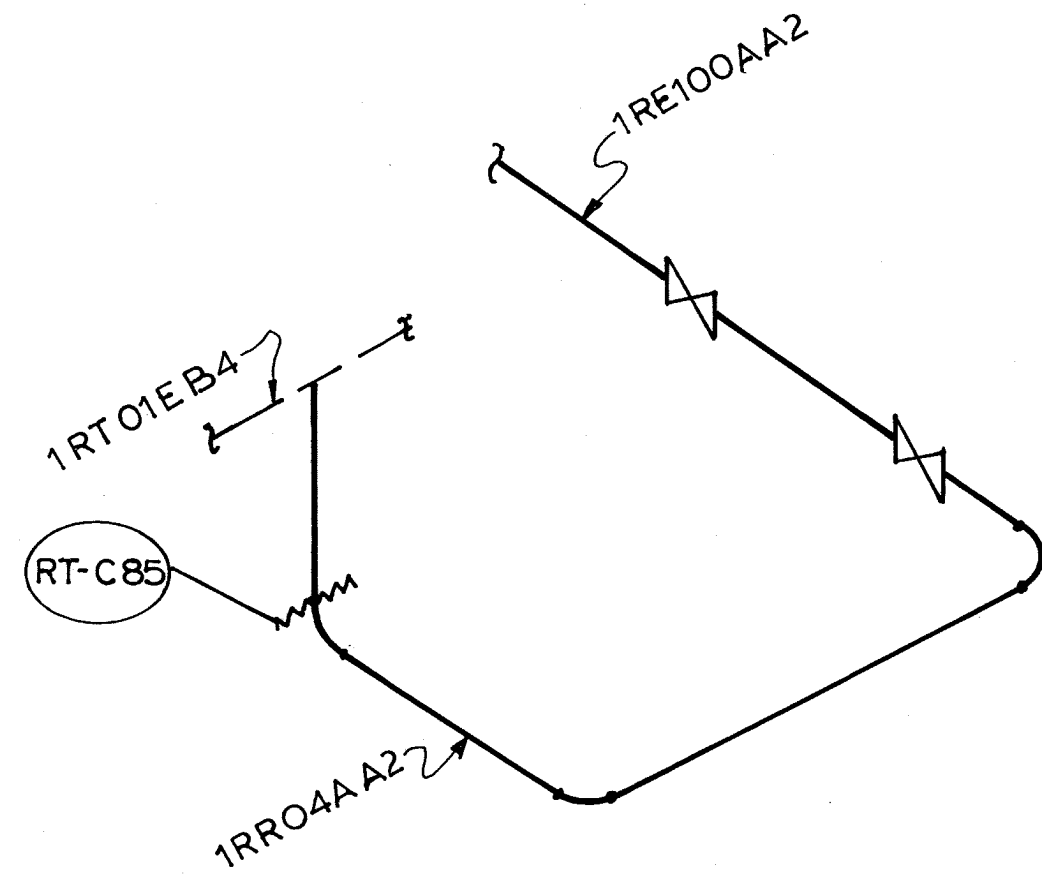
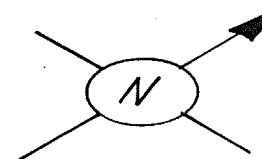
NORTH

RT-C PIPE BREAK



CLINTON POWER STATION
 UPDATED SAFETY ANALYSIS REPORT

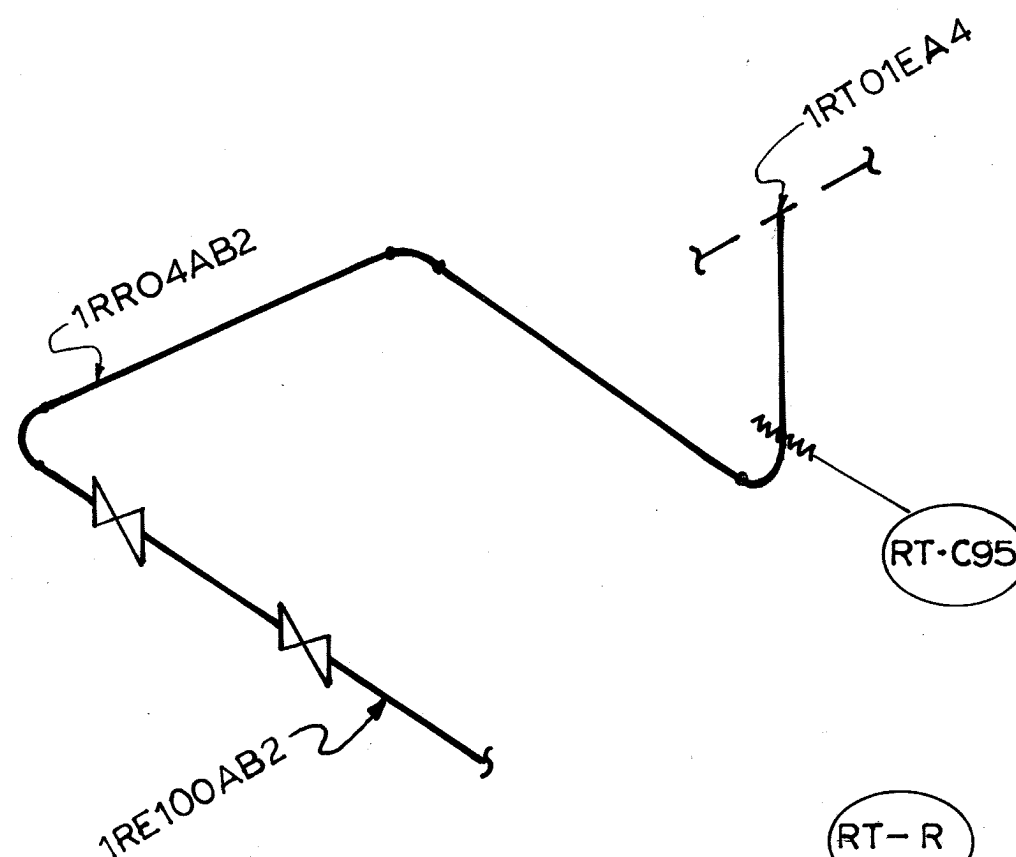
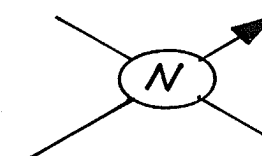
FIGURE B3.6-28
 POSTULATED BREAKS AND RESTRAINT
 LOCATIONS RWCU SUBSYSTEM
 RT-08 OUTSIDE CONTAINMENT



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

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

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

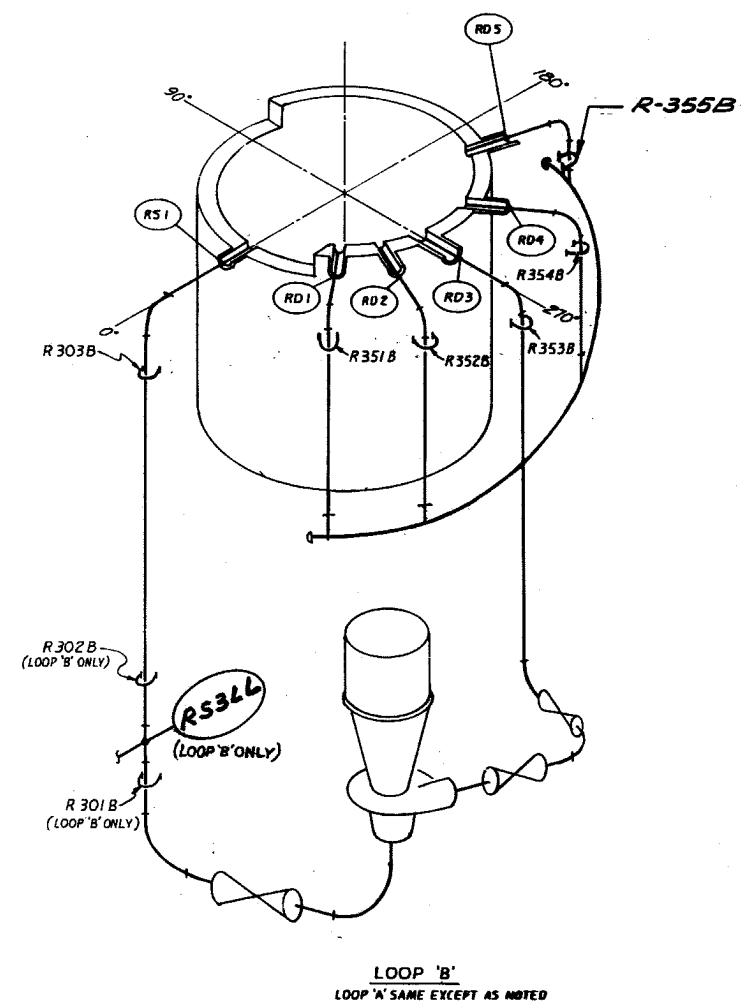


(RT-R) PIPE RESTRAINT
(RT-C) PIPE BREAK

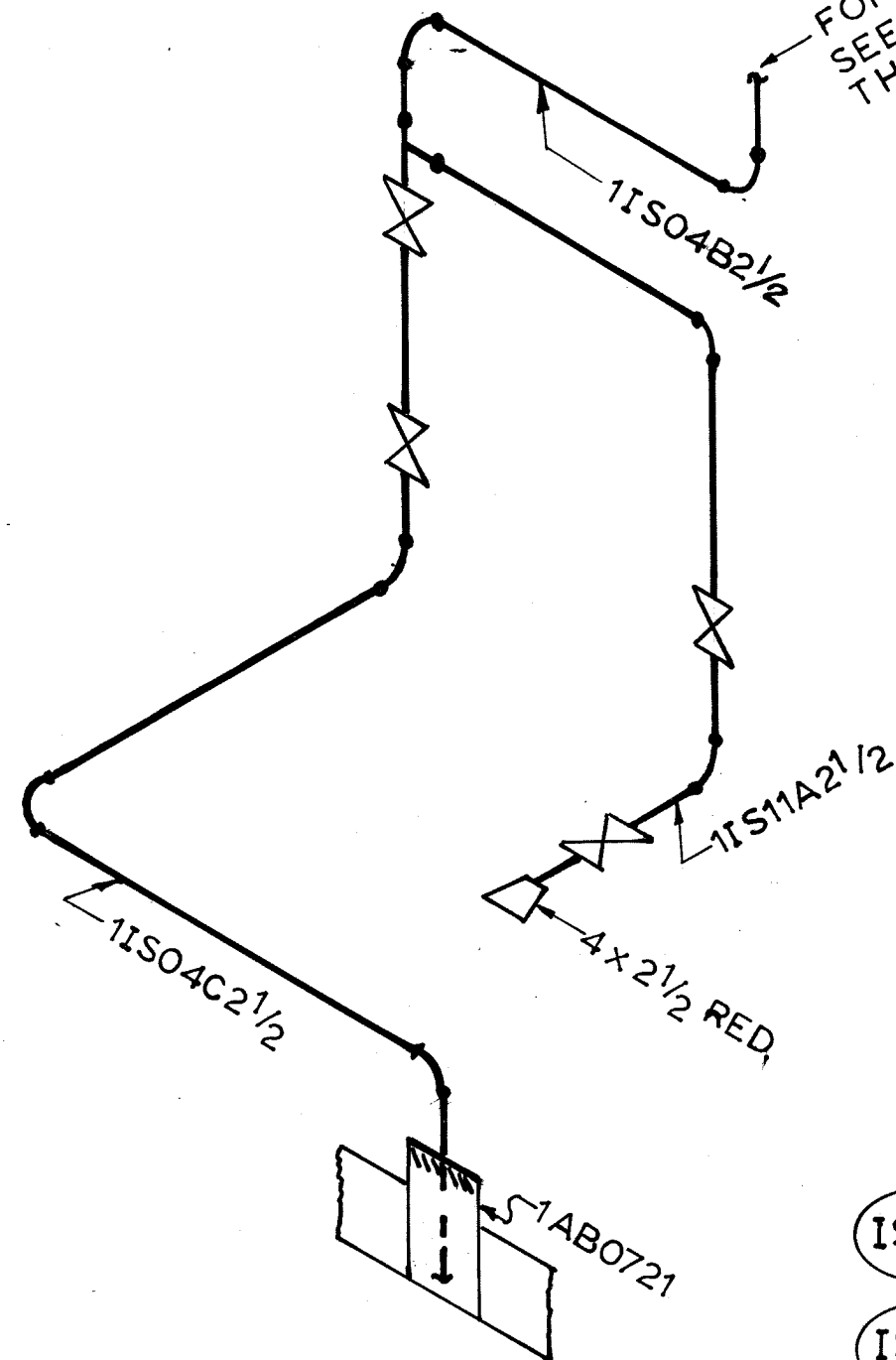
CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

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

BREAK IDENT	RESTRAINT NUMBER
RS 1	R 303B
RS 3 LL	R 301B R 302B
RS 3 LL	R 301B R 302B
RD 1	R 351B
RD 2	R 352B
RD 3	R 353B
RD 4	R 354B
RD 5	R 355B



SUBSCRIPT 'LL' INDICATES LONGITUDINAL BREAK



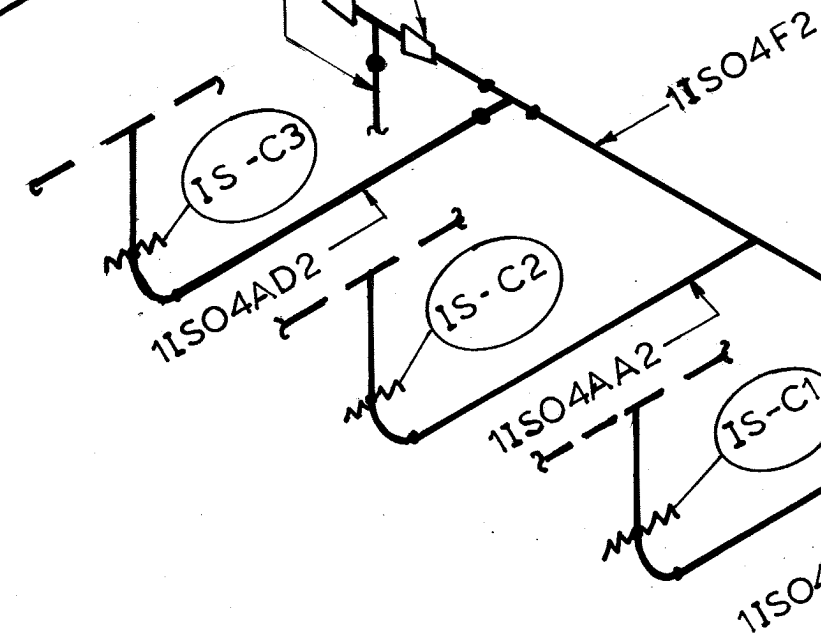
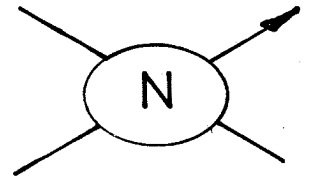
PLAN "A"

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

24" MAIN STEAM PIPE
W.P. EL. 770'-6 1/2"
(TYP. IN 4 PLACES)

1ISO4AB2

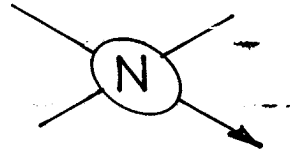
1ISO4B2 1/2 (FOR CONT. SEE PLAN "A" THIS SHEET.)
2 1/2" x 2 SWAGE NIPLE



PLAN "B"

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

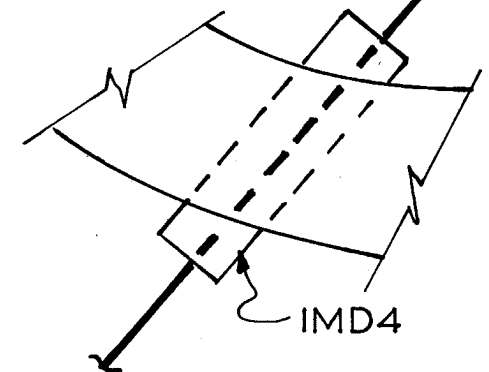
FIGURE B3.6-32
POSTULATED BREAKS AND RESTRAINT
LOCATIONS-MSIV-LEAKAGE CONTROL
SUBSYSTEM IS-03 OUTSIDE
CONTAINMENT



PLAN "A"

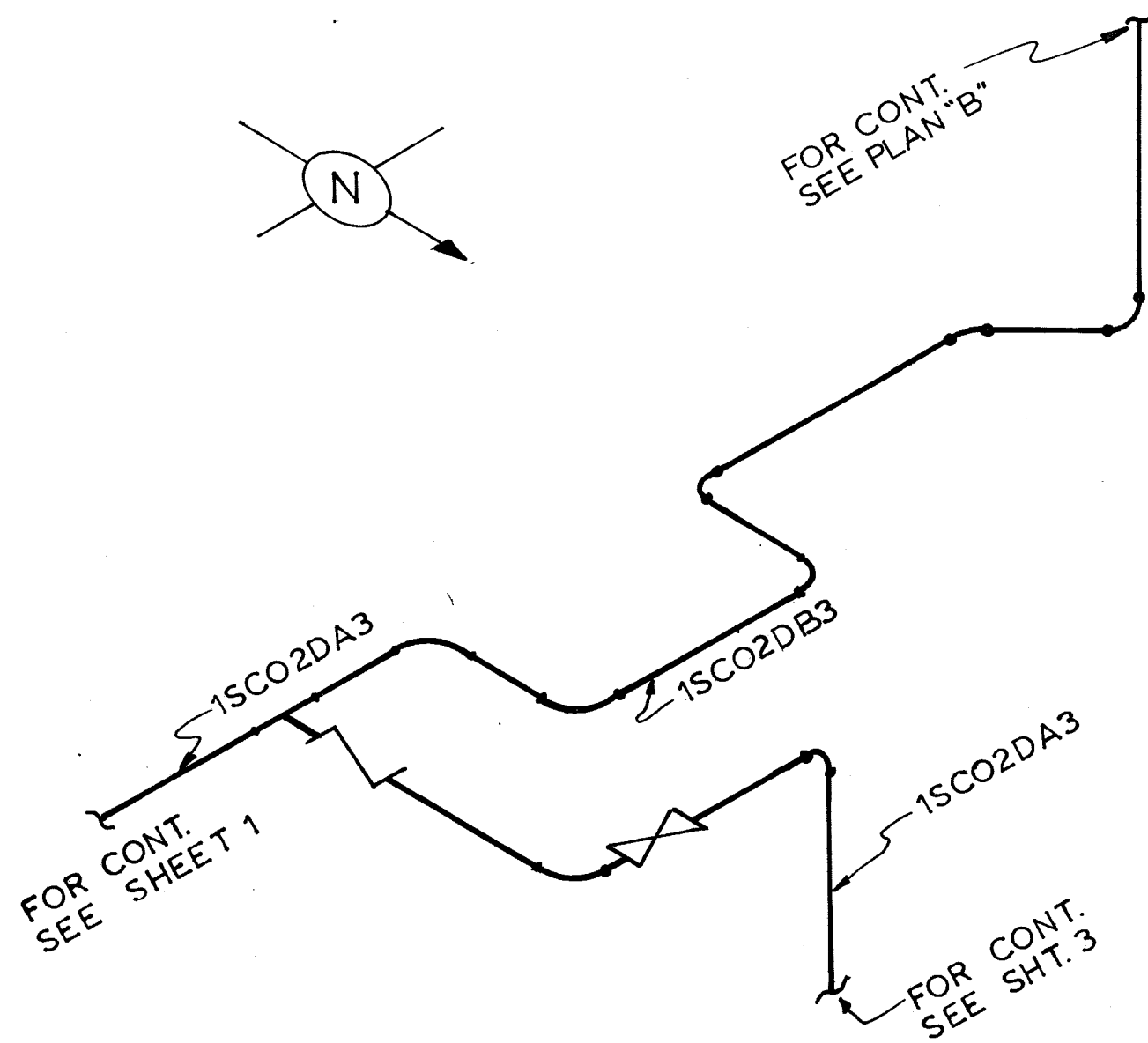
FOR CONT.
SEE SHEET 2

1SCO2DA3



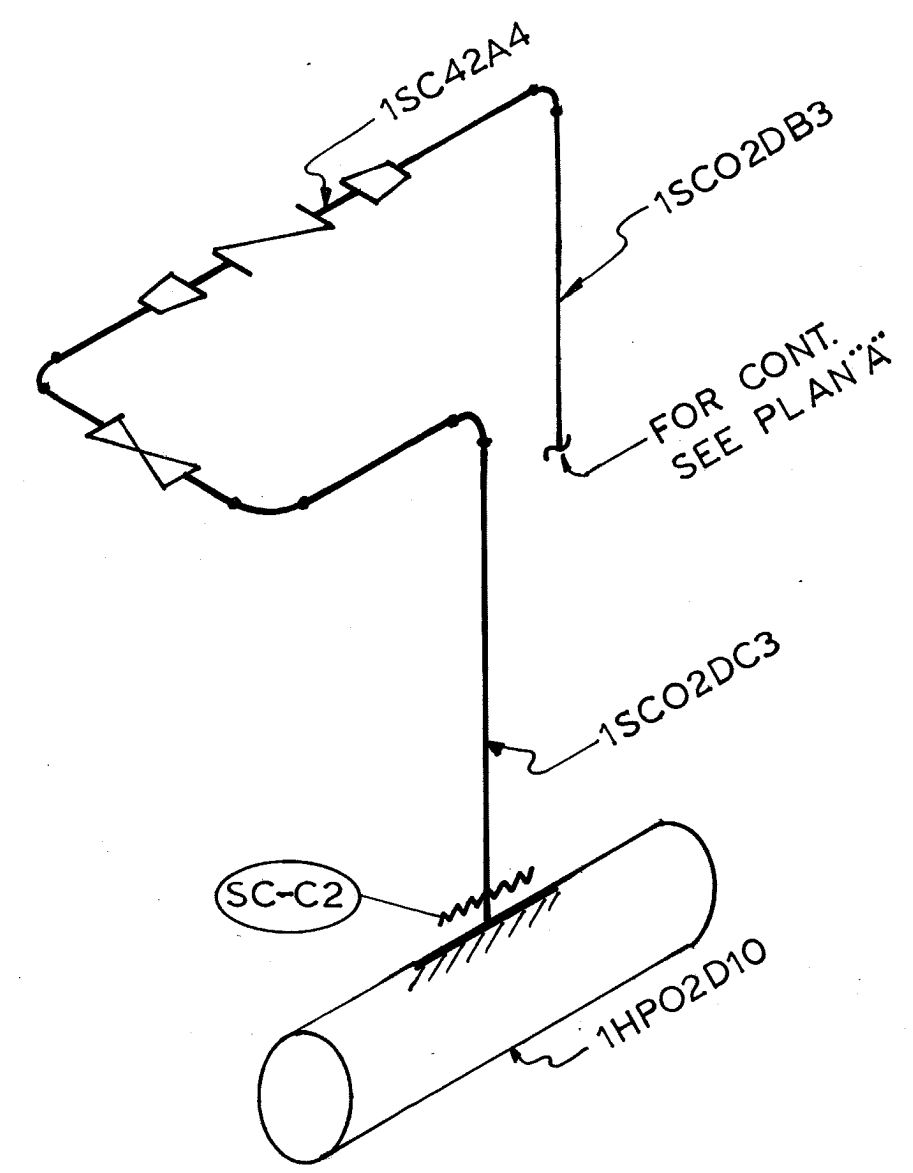
CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

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



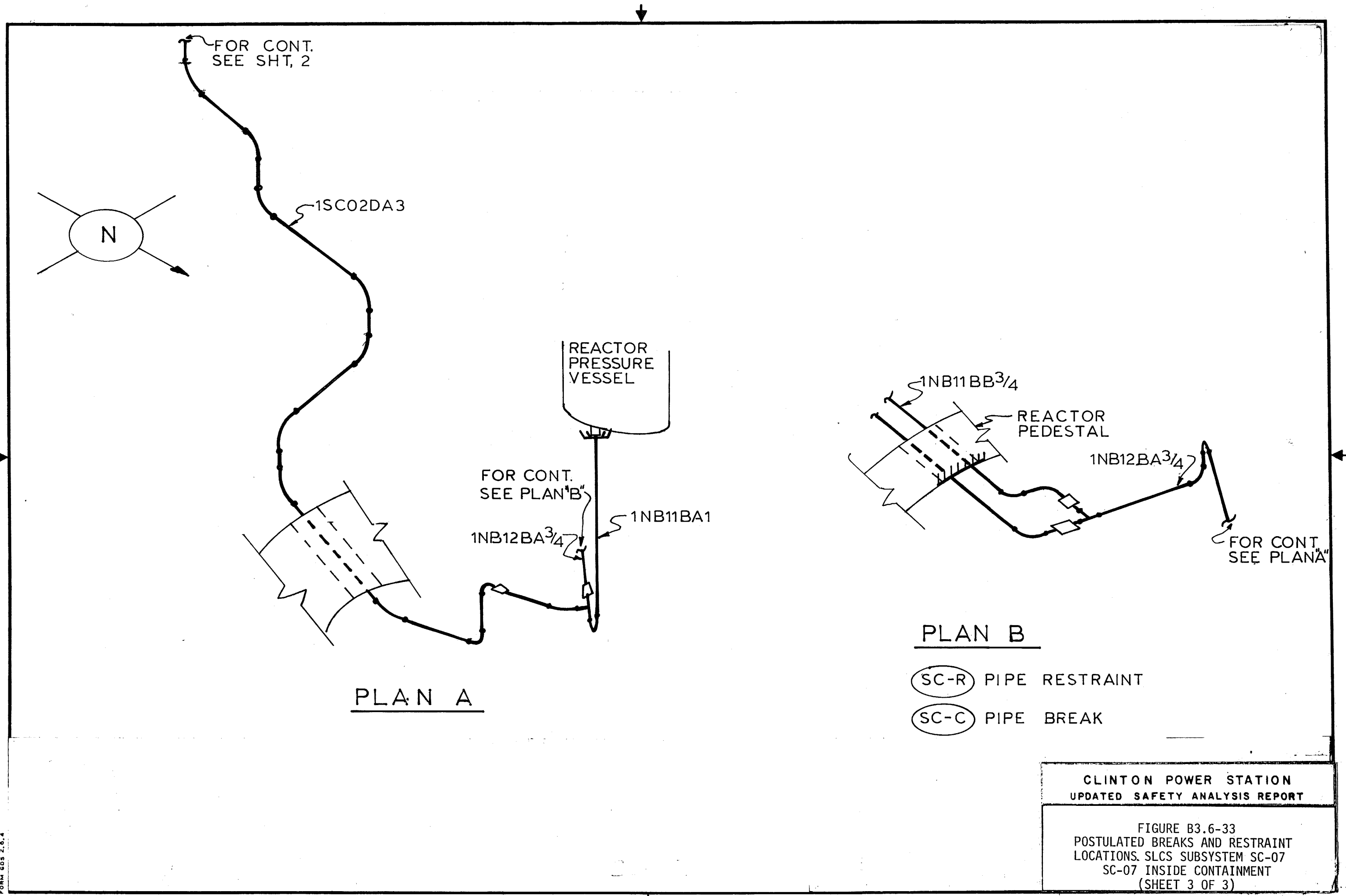
PLAN A

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

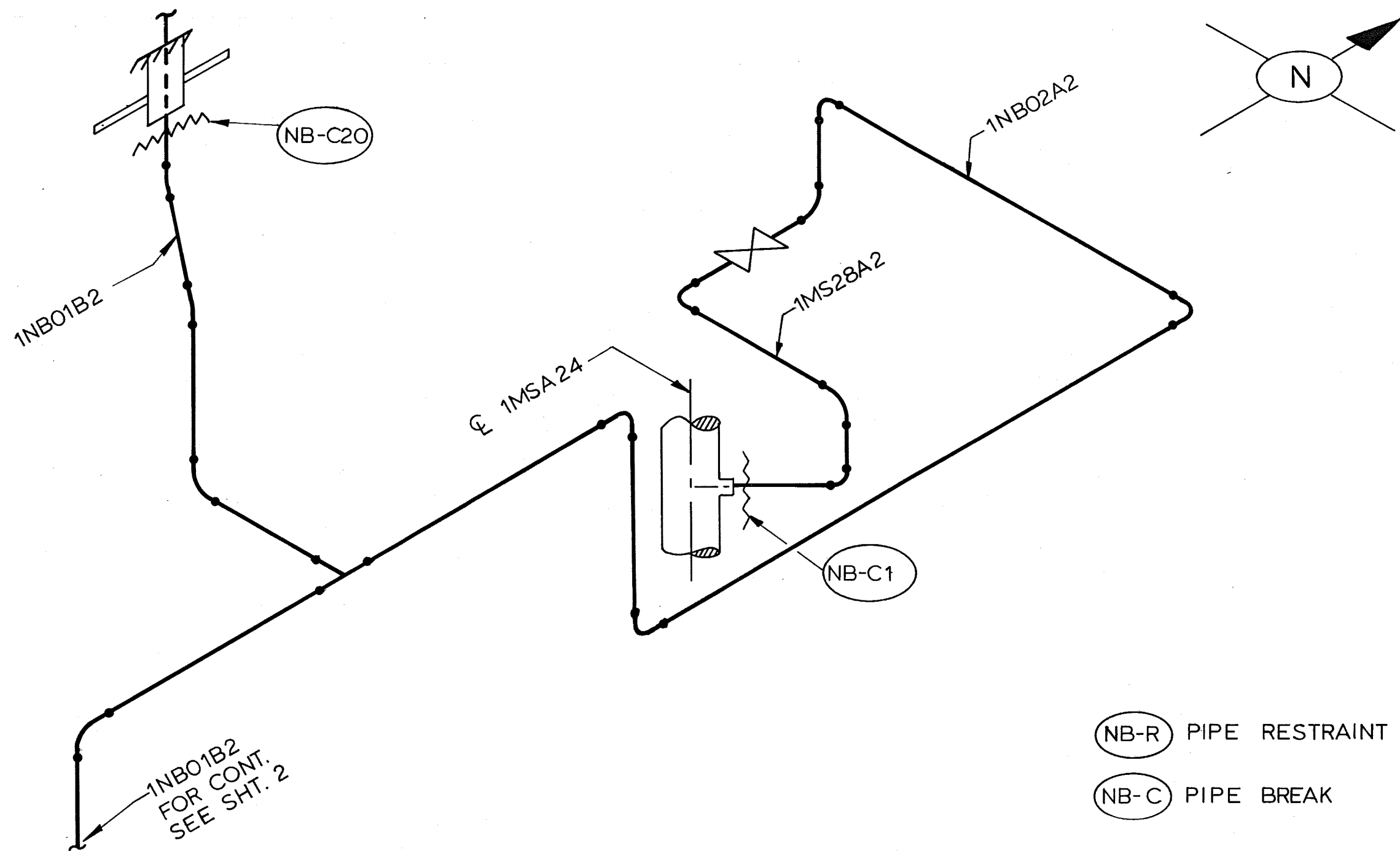


PLAN B

<p>CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT</p>
<p>FIGURE B3.6-33 POSTULATED BREAKS AND RESTRAINT LOCATIONS SLCS SUBSYSTEM SC-07 SC-07 INSIDE CONTAINMENT (SHEET 2 OF 3)</p>



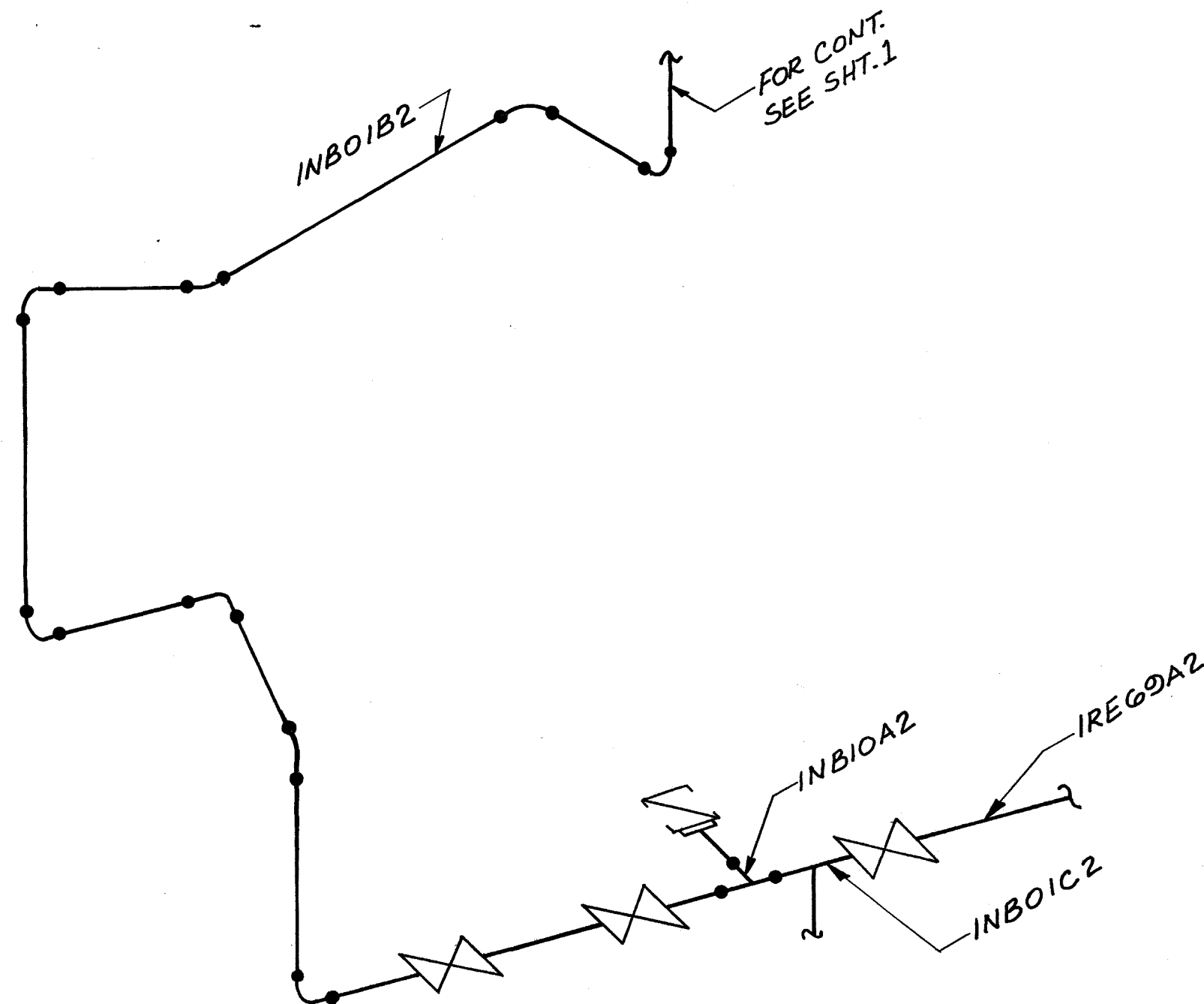
FORM GDS 2.6.4



CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

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

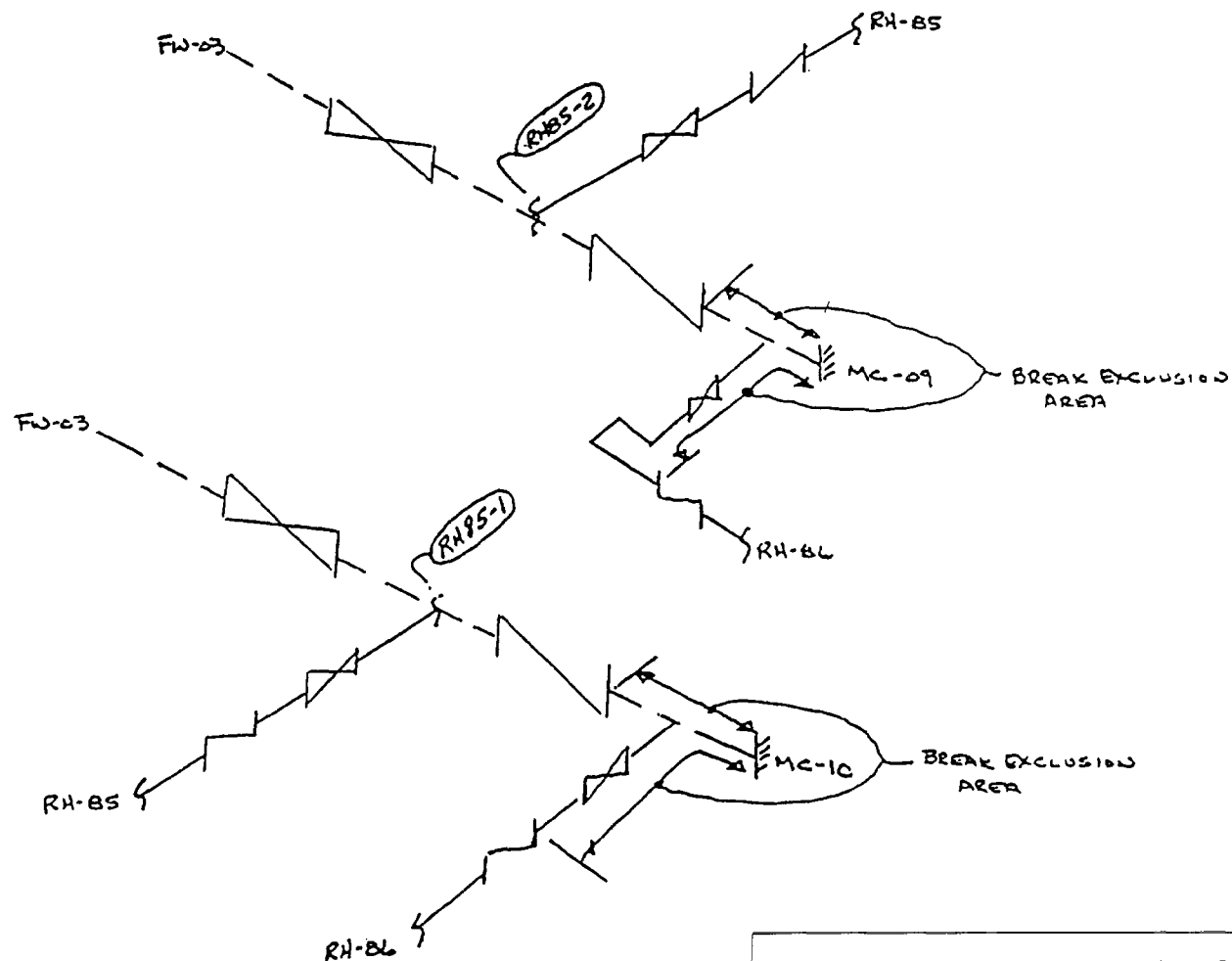
(NB-R) PIPE RESTRAINT
(NB-C) PIPE BREAK



CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

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

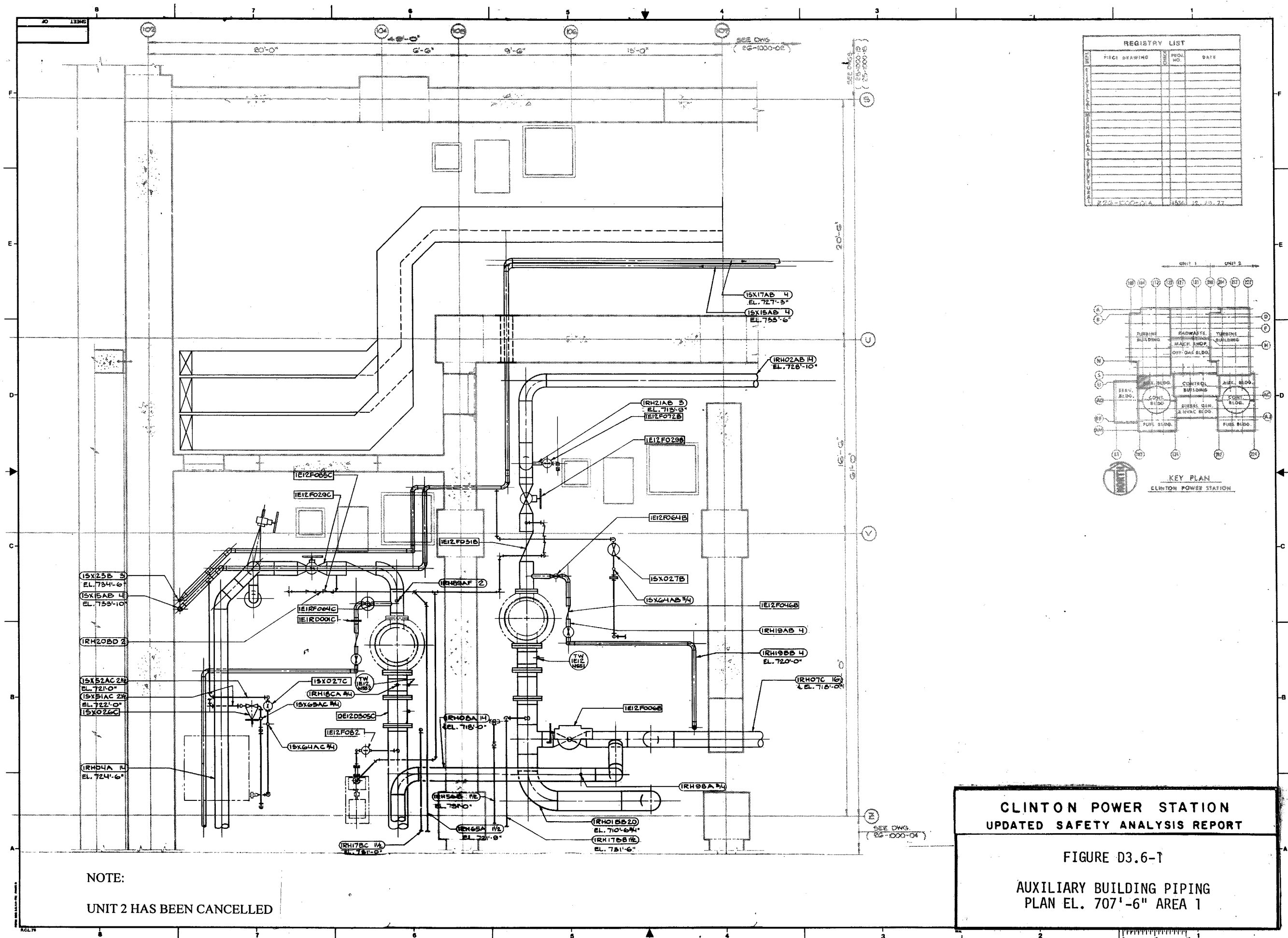
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NOVEMBER 2000

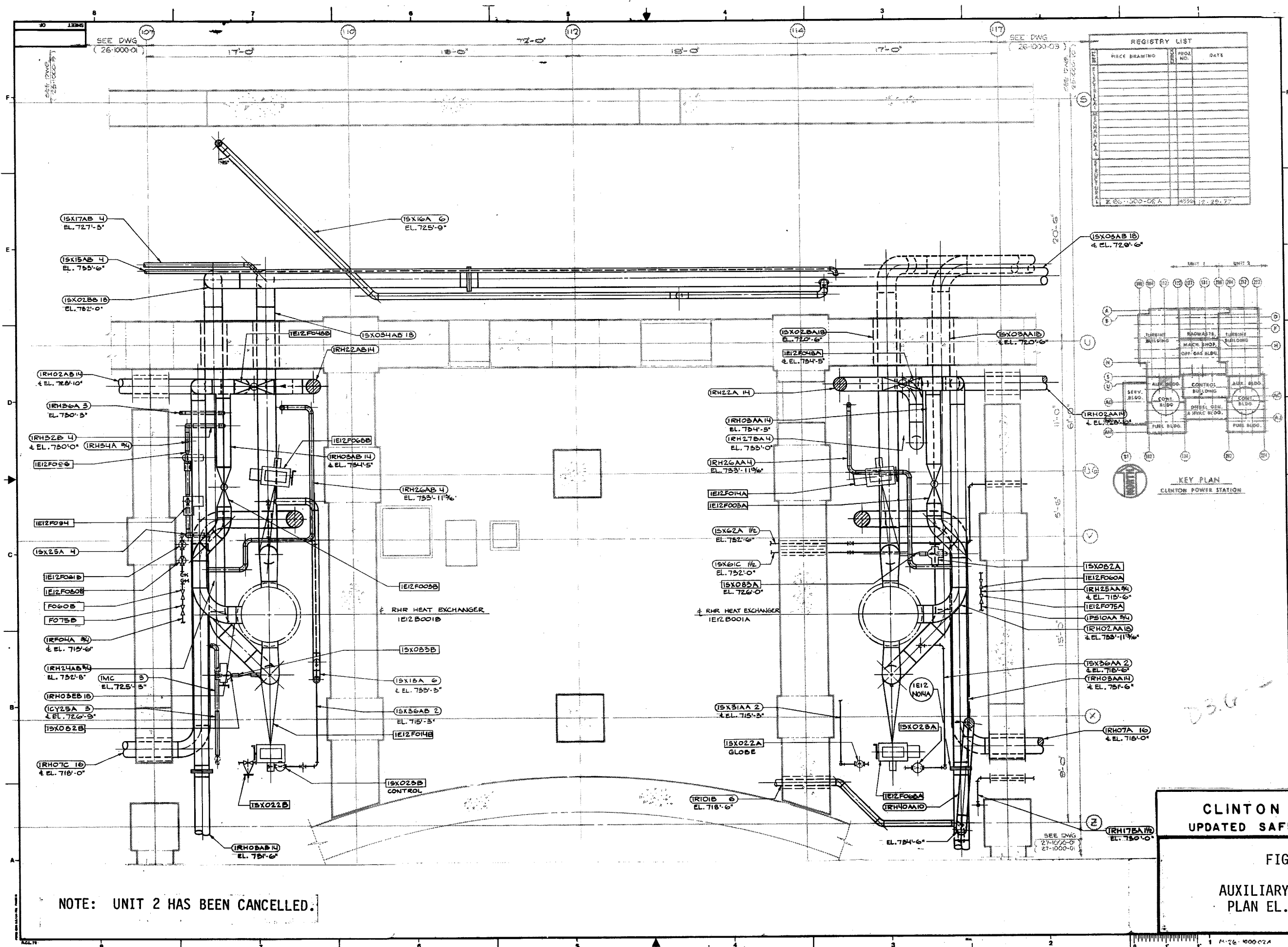


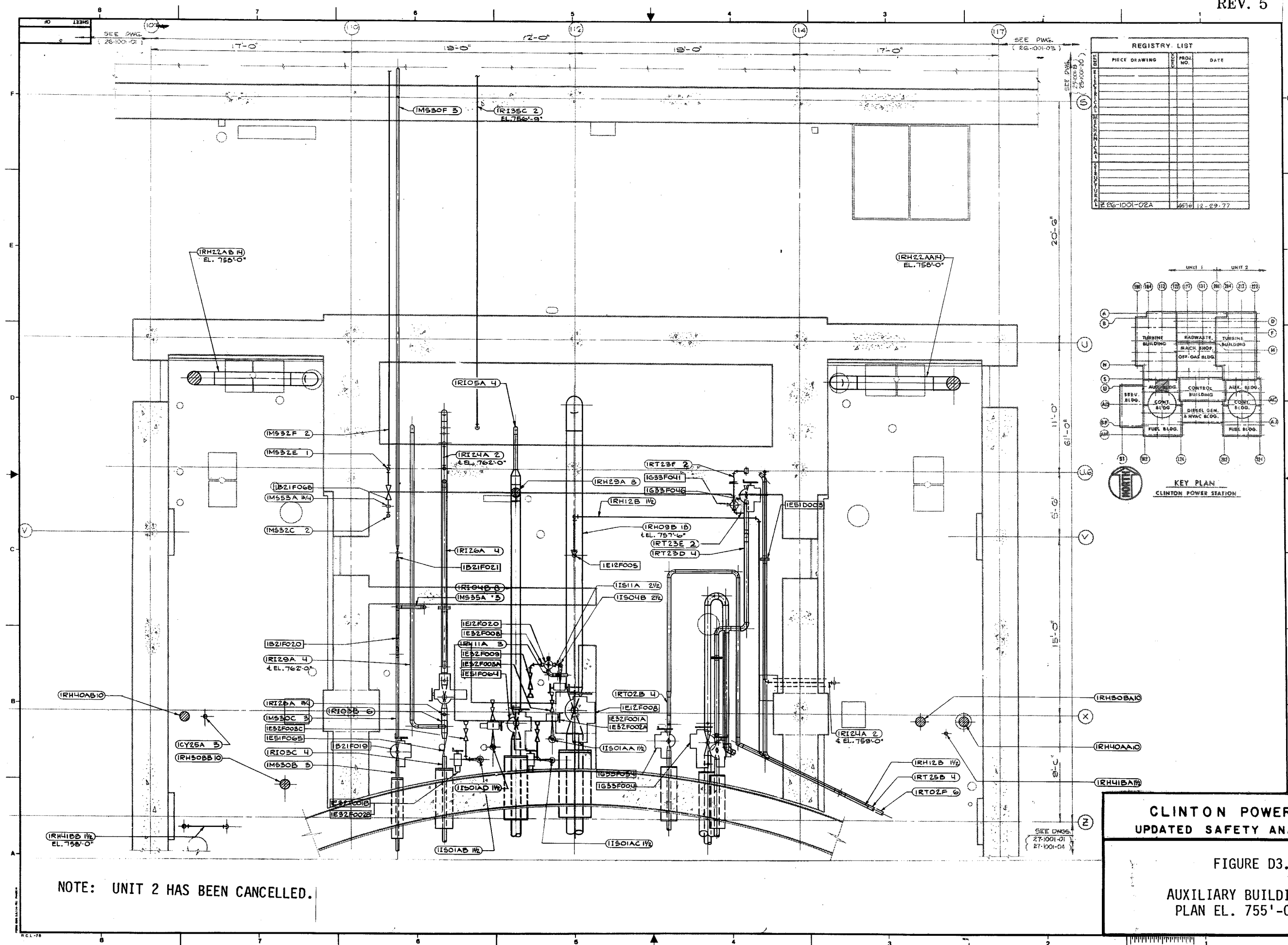
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UPDATED SAFETY ANALYSIS REPORT

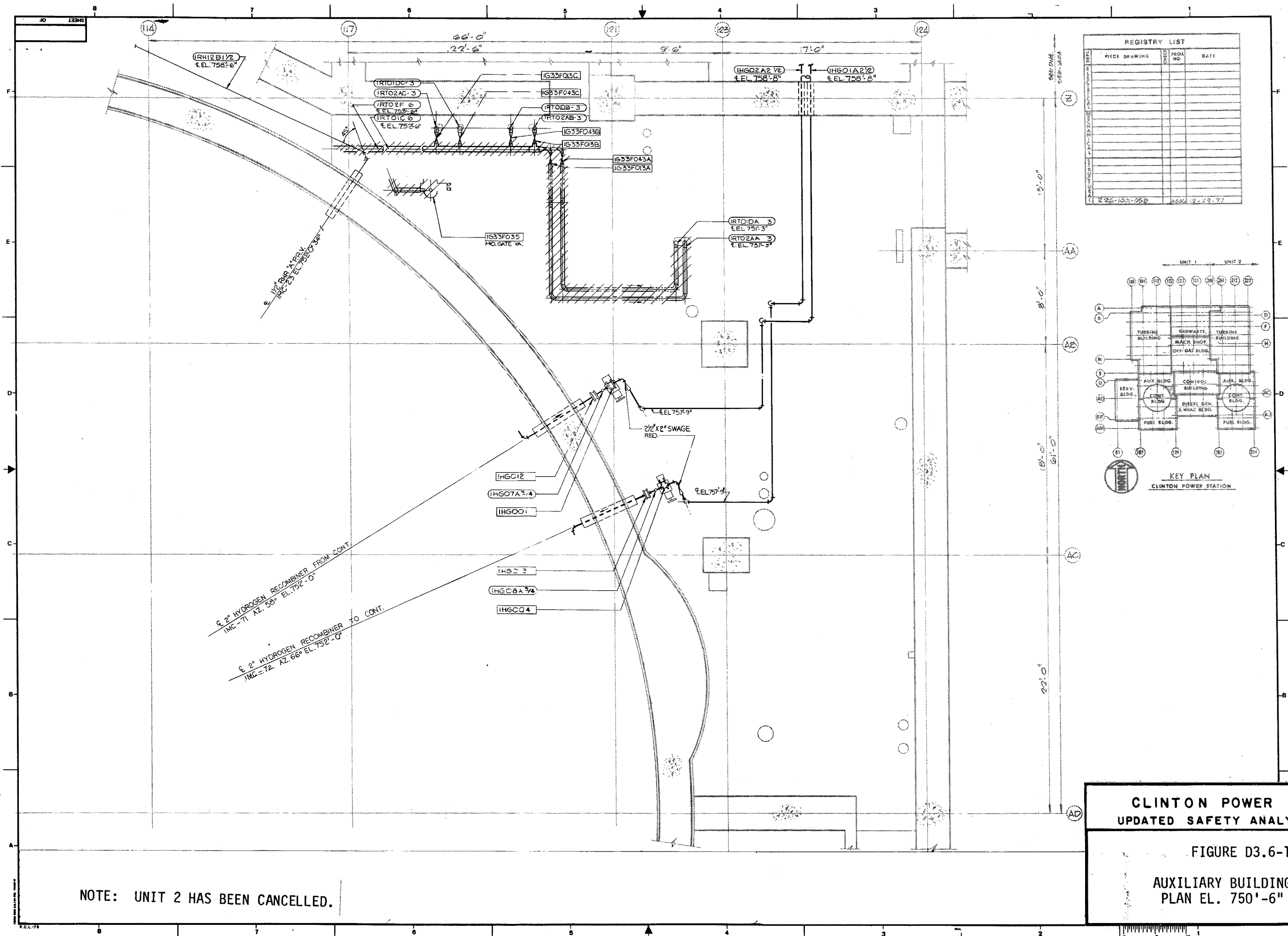
FIGURE B3.6-35

POSTULATED BREAKS AND
RESTRAINT LOCATION
FWLCS SUBSYSTEMS
RH-85 AND RH-86



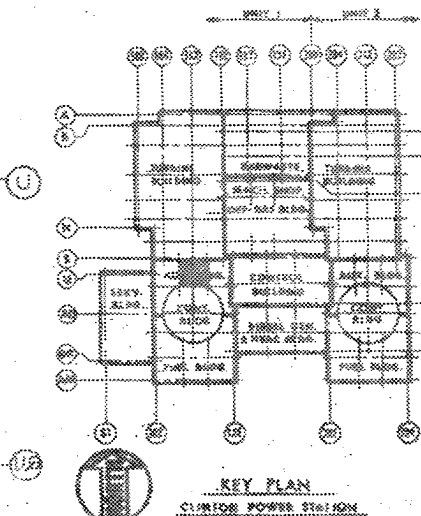






REVISION 7
JUNE 1996

REVISION LIST		
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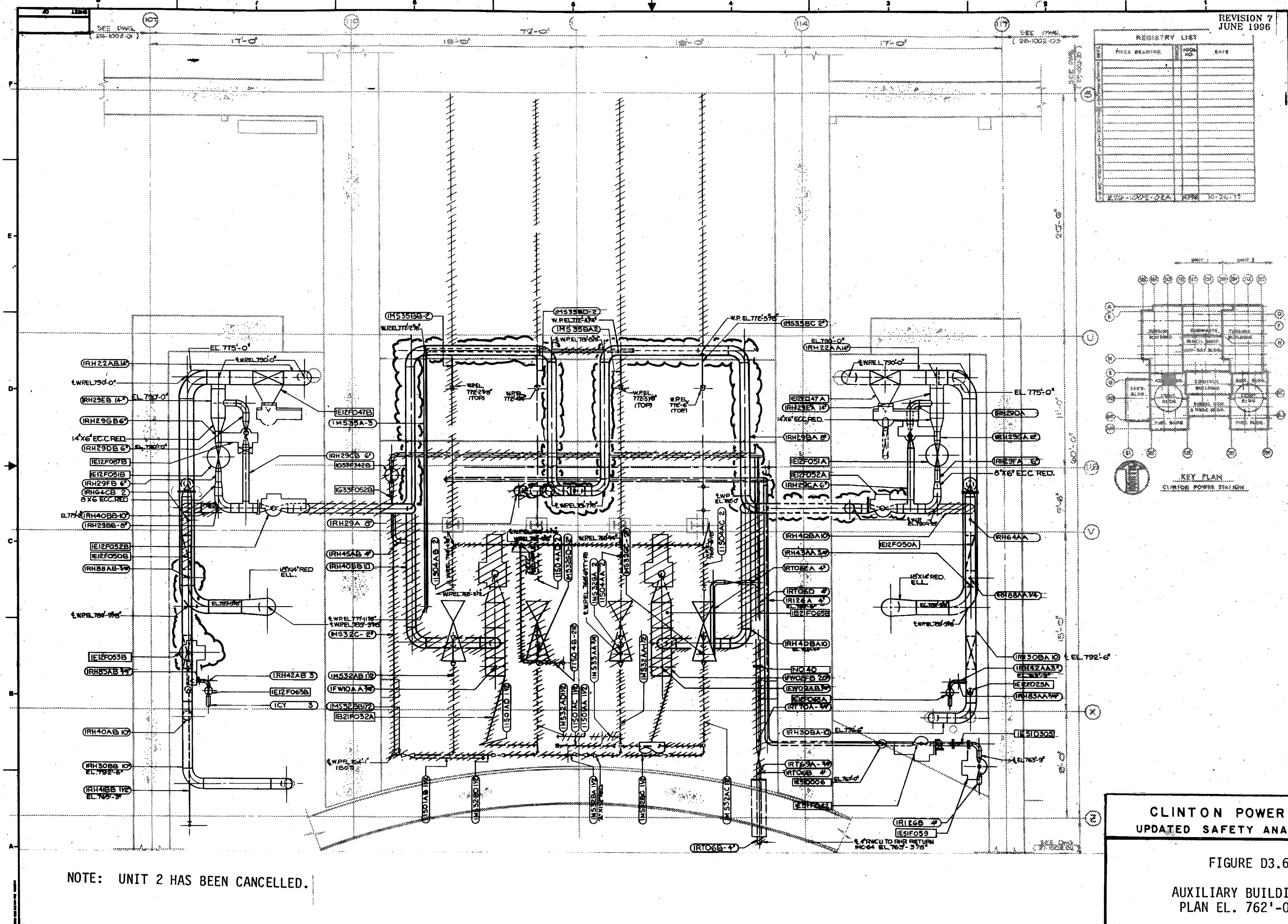


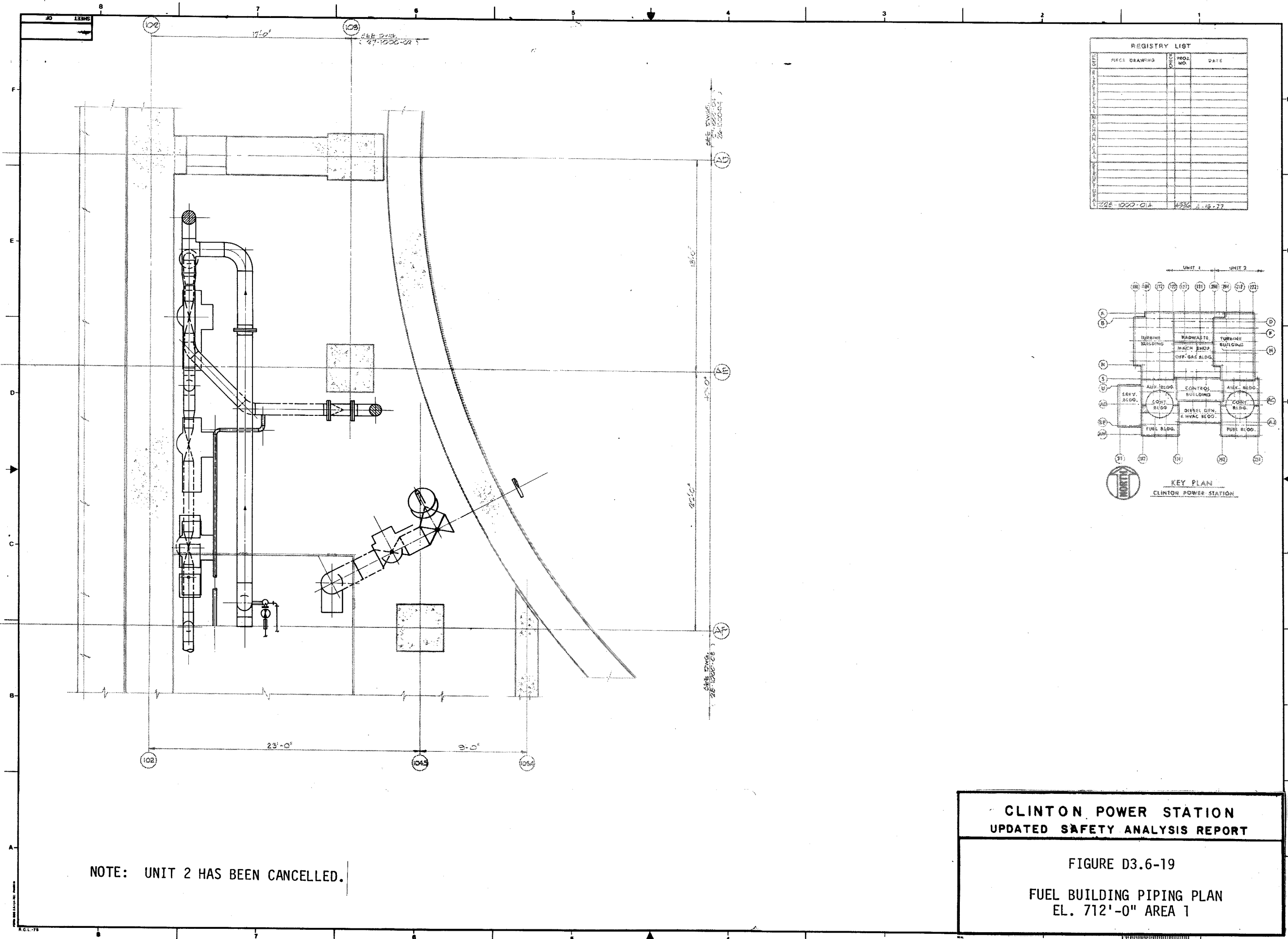
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-14

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

NOTE: UNIT 2 HAS BEEN CANCELLED.

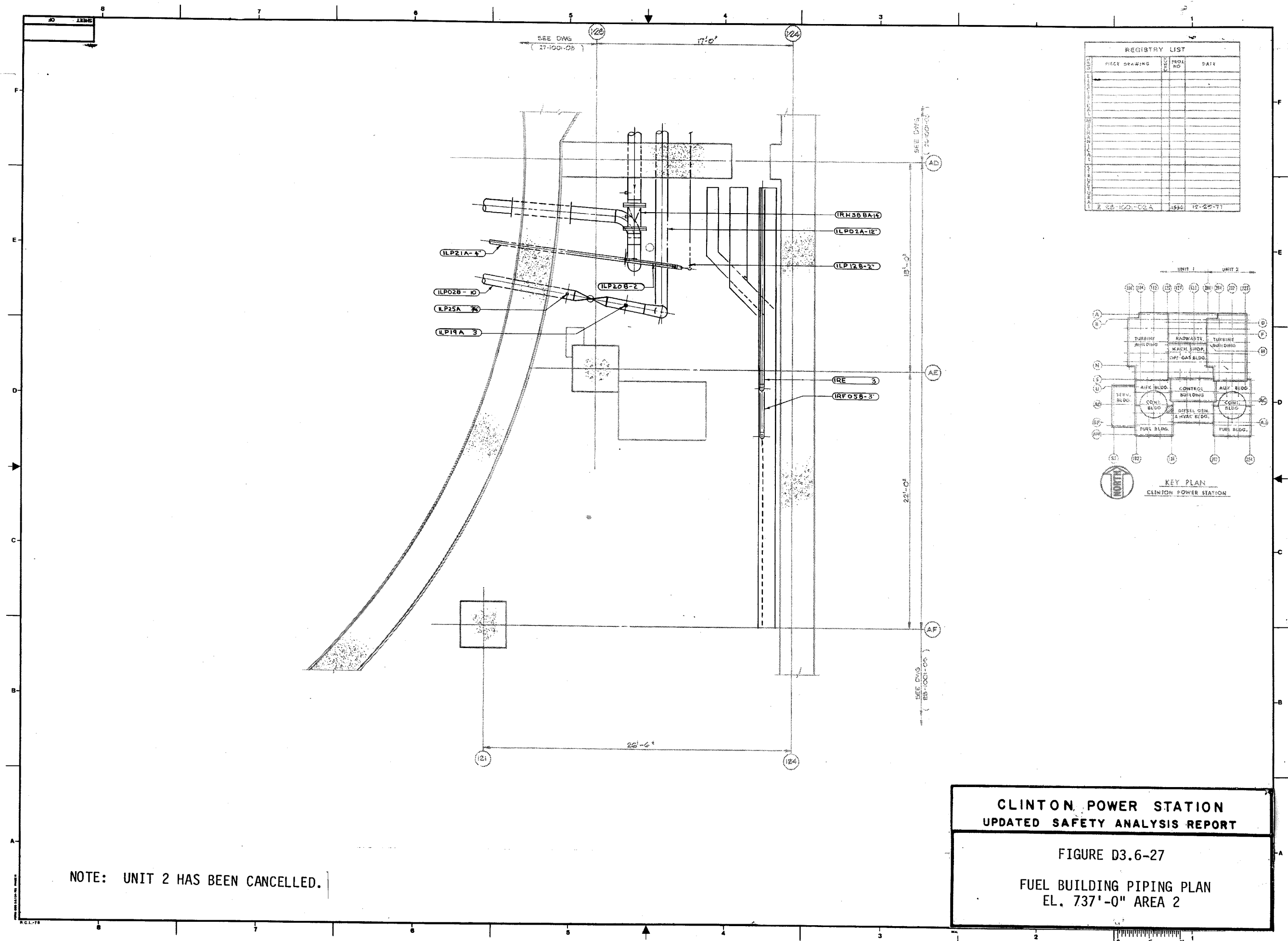


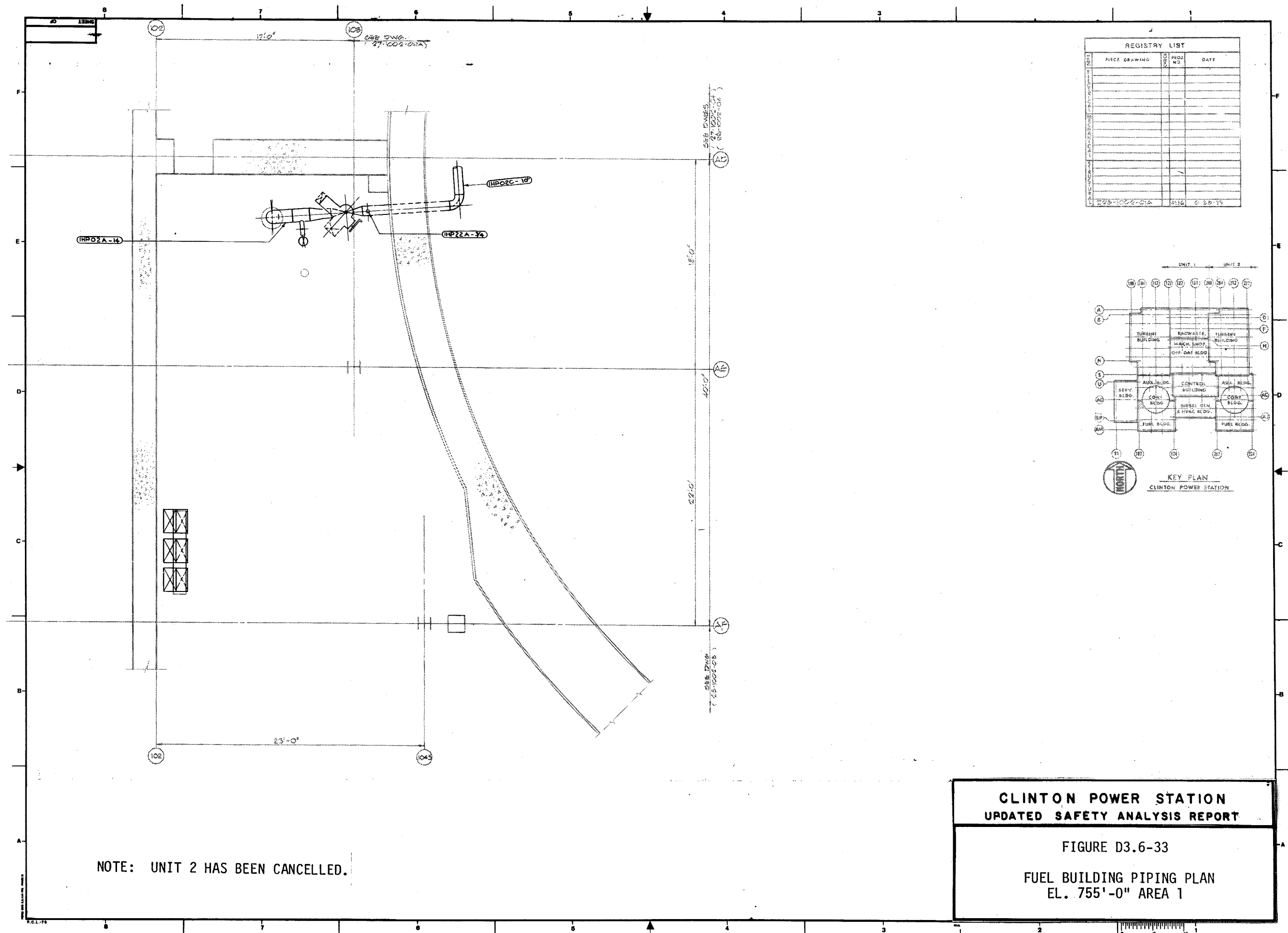


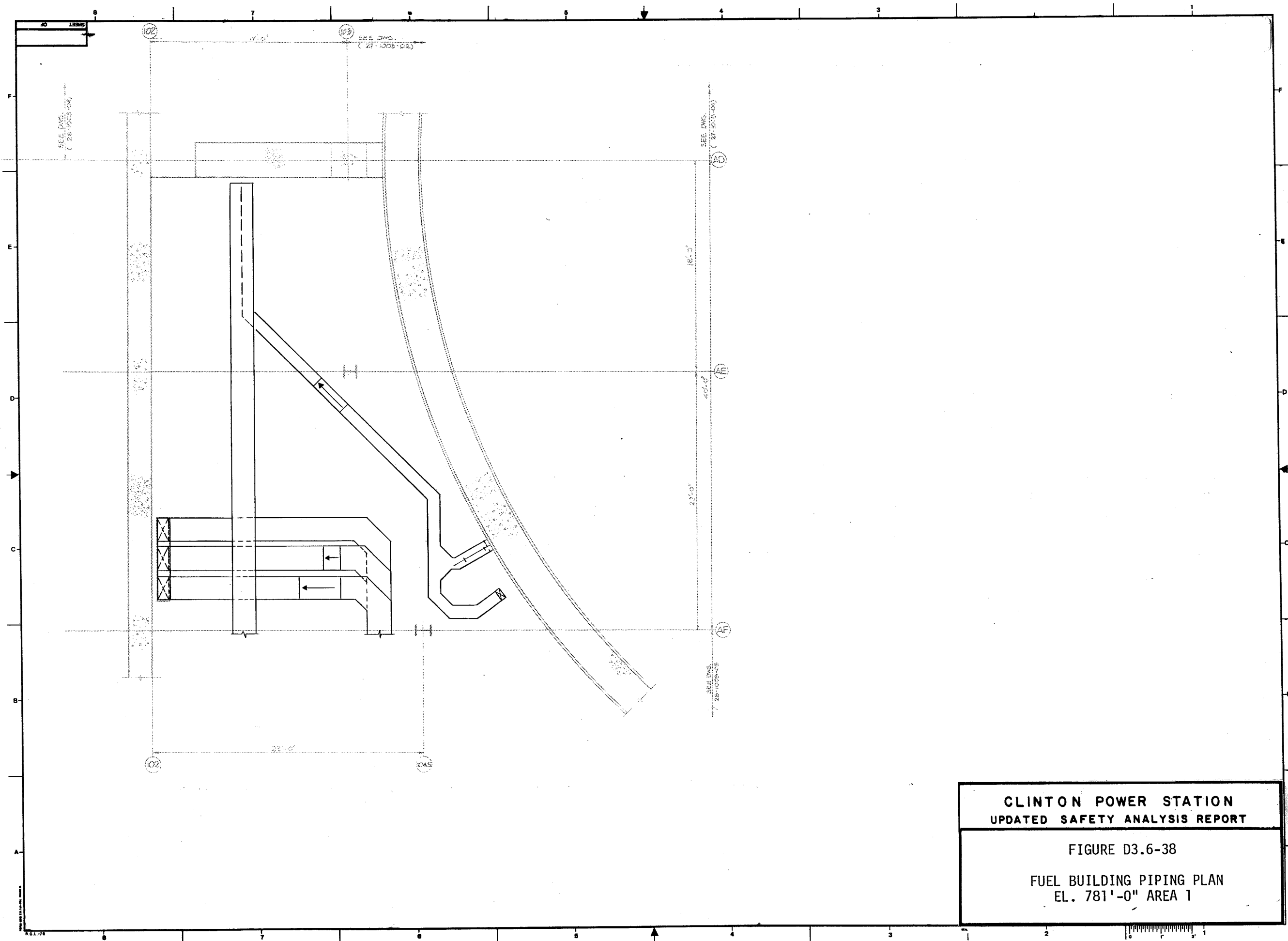
Security - Related Information Figure Withheld Under 10 CFR 2.390

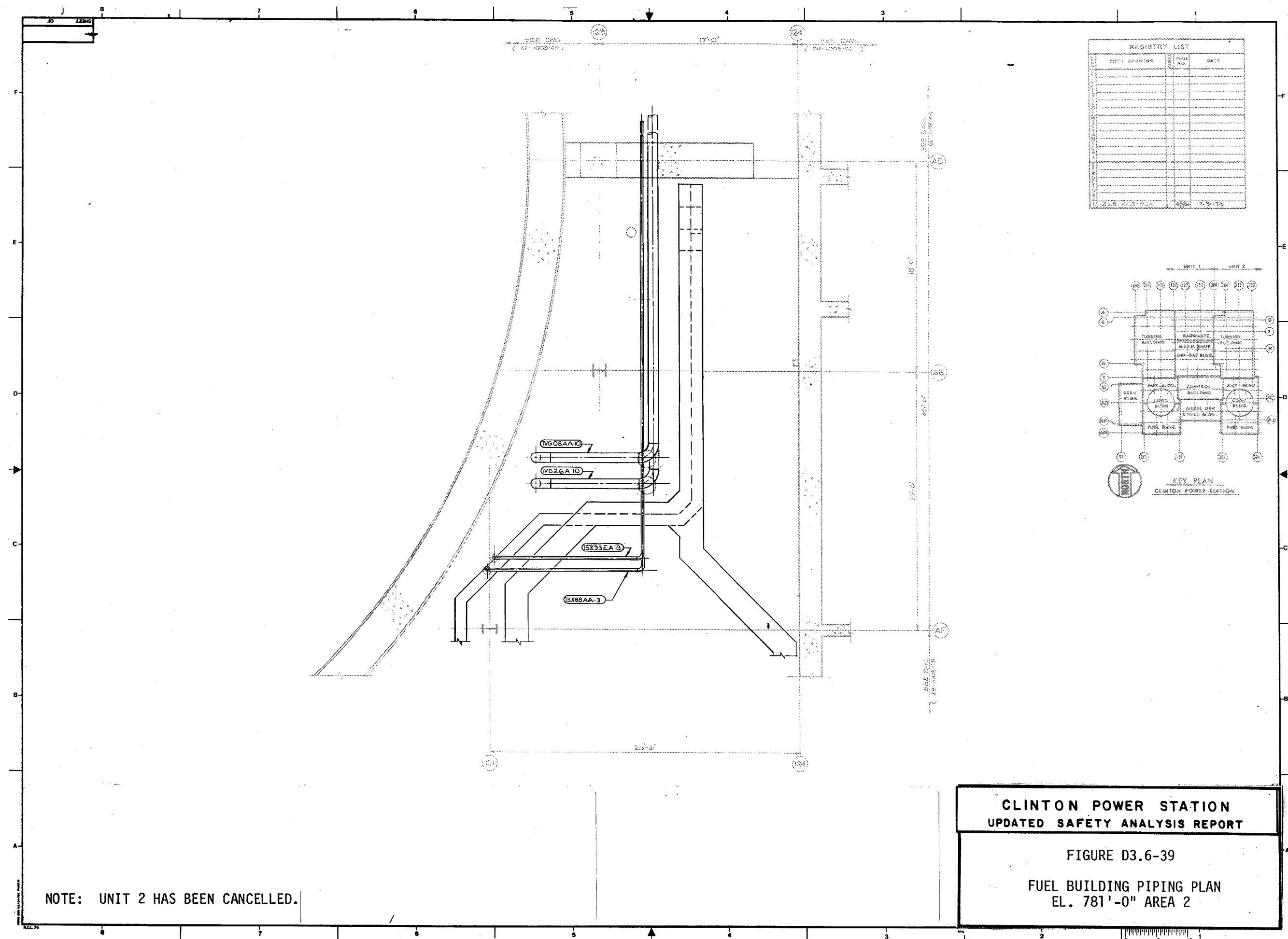
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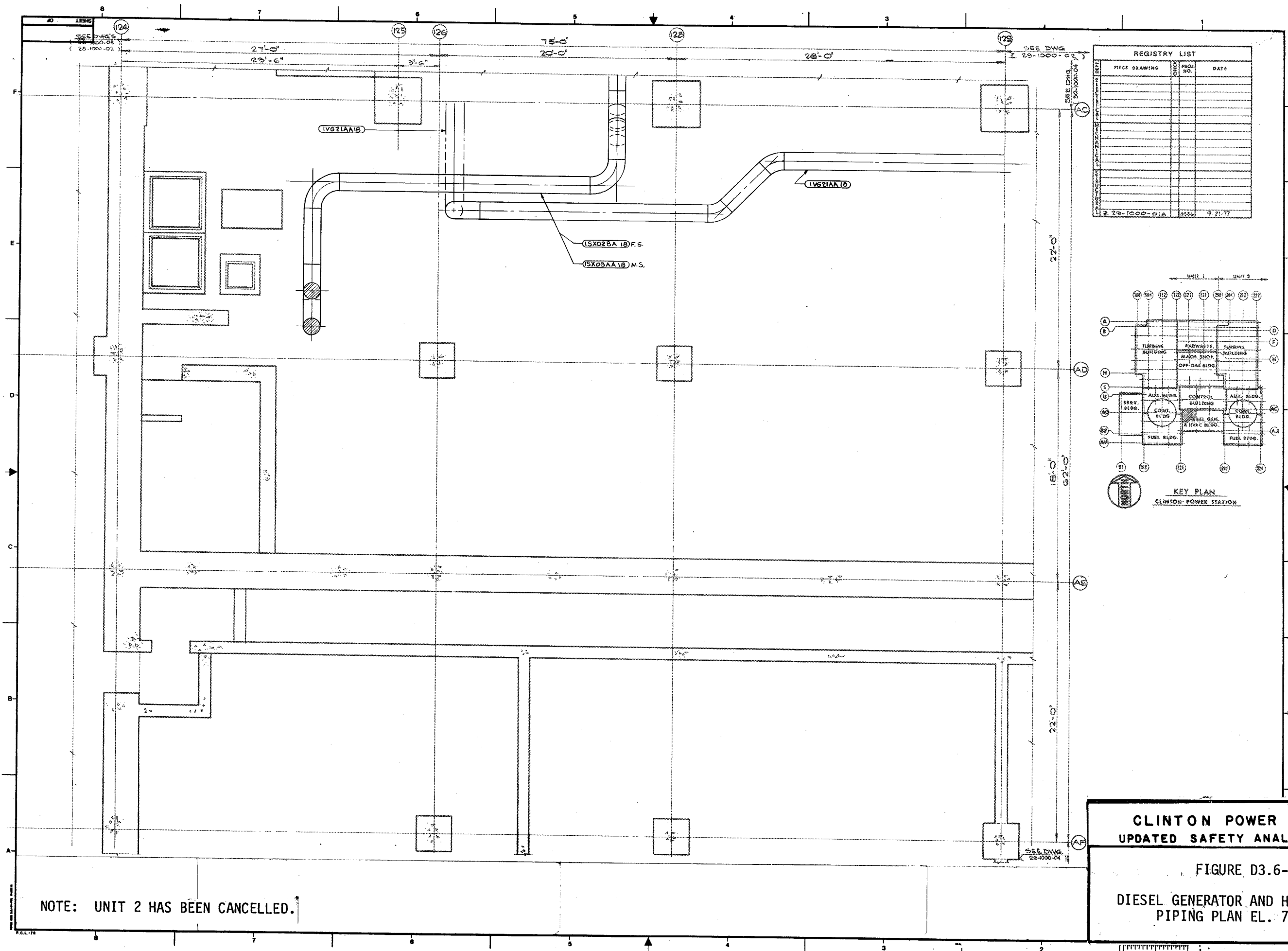
FIGURE D3.6-21
FUEL BUILDING PIPING PLAN
EL. 712'-0" AREA 3

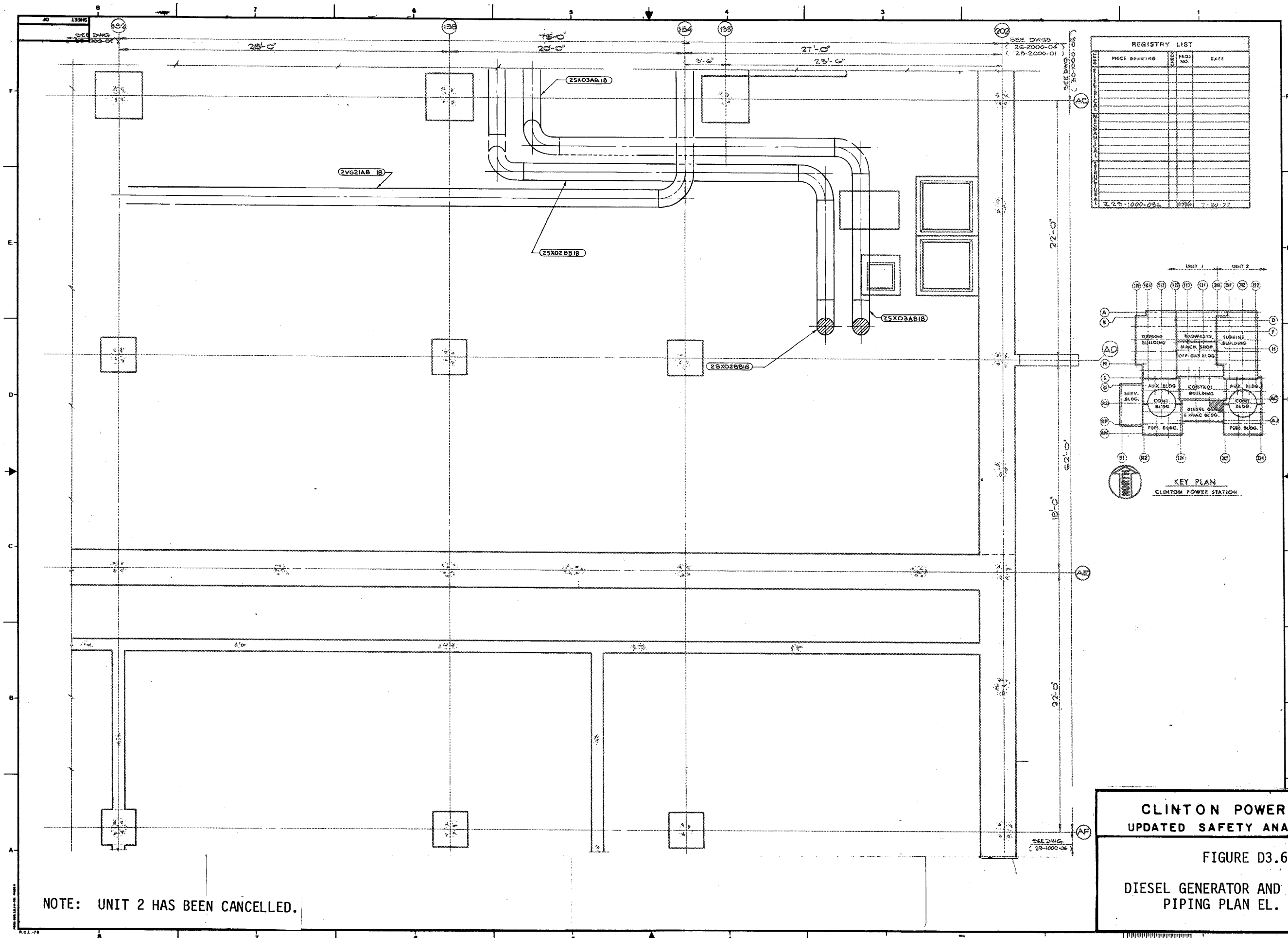


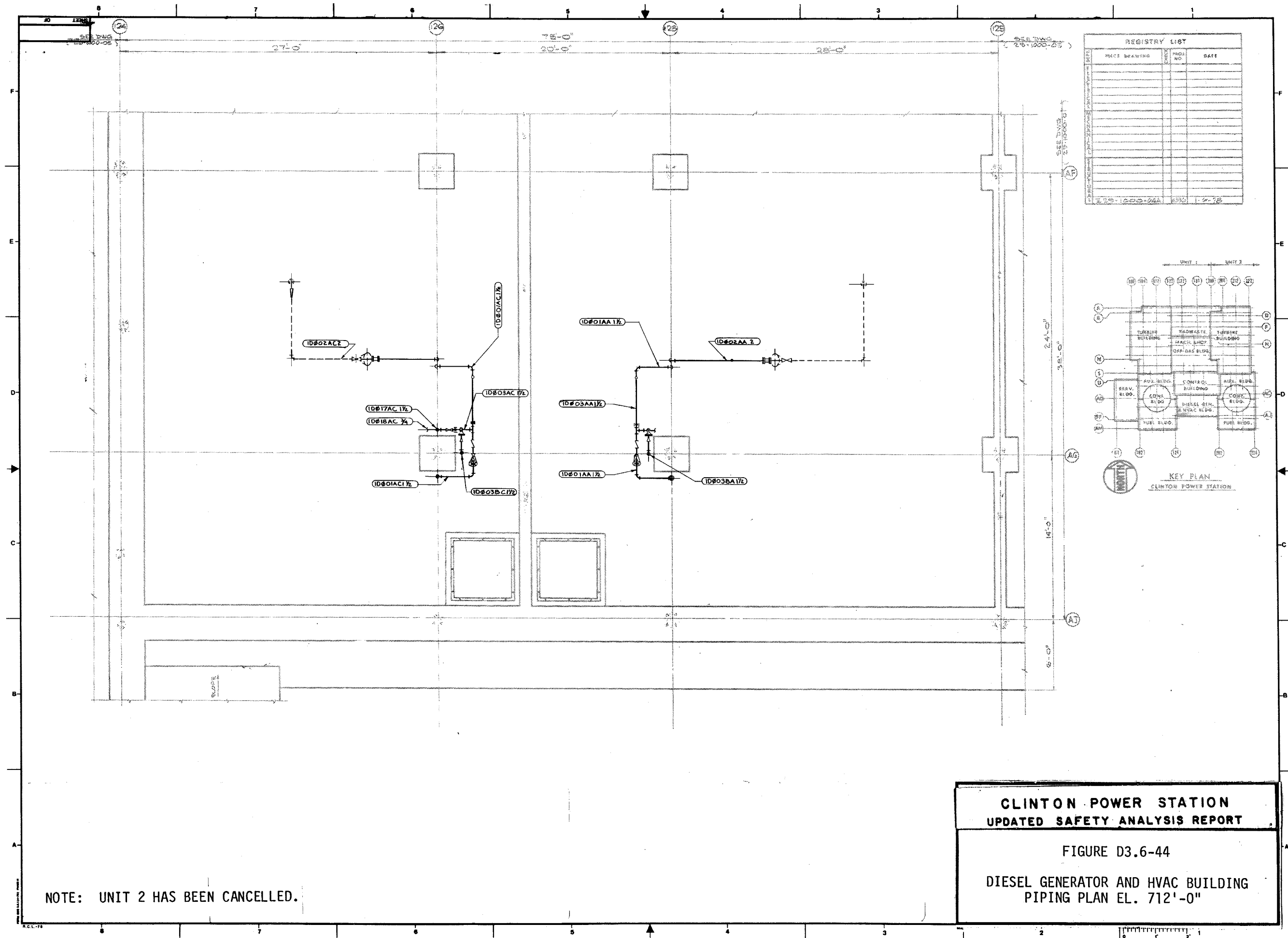


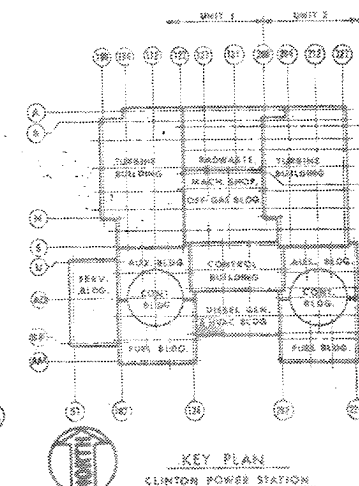










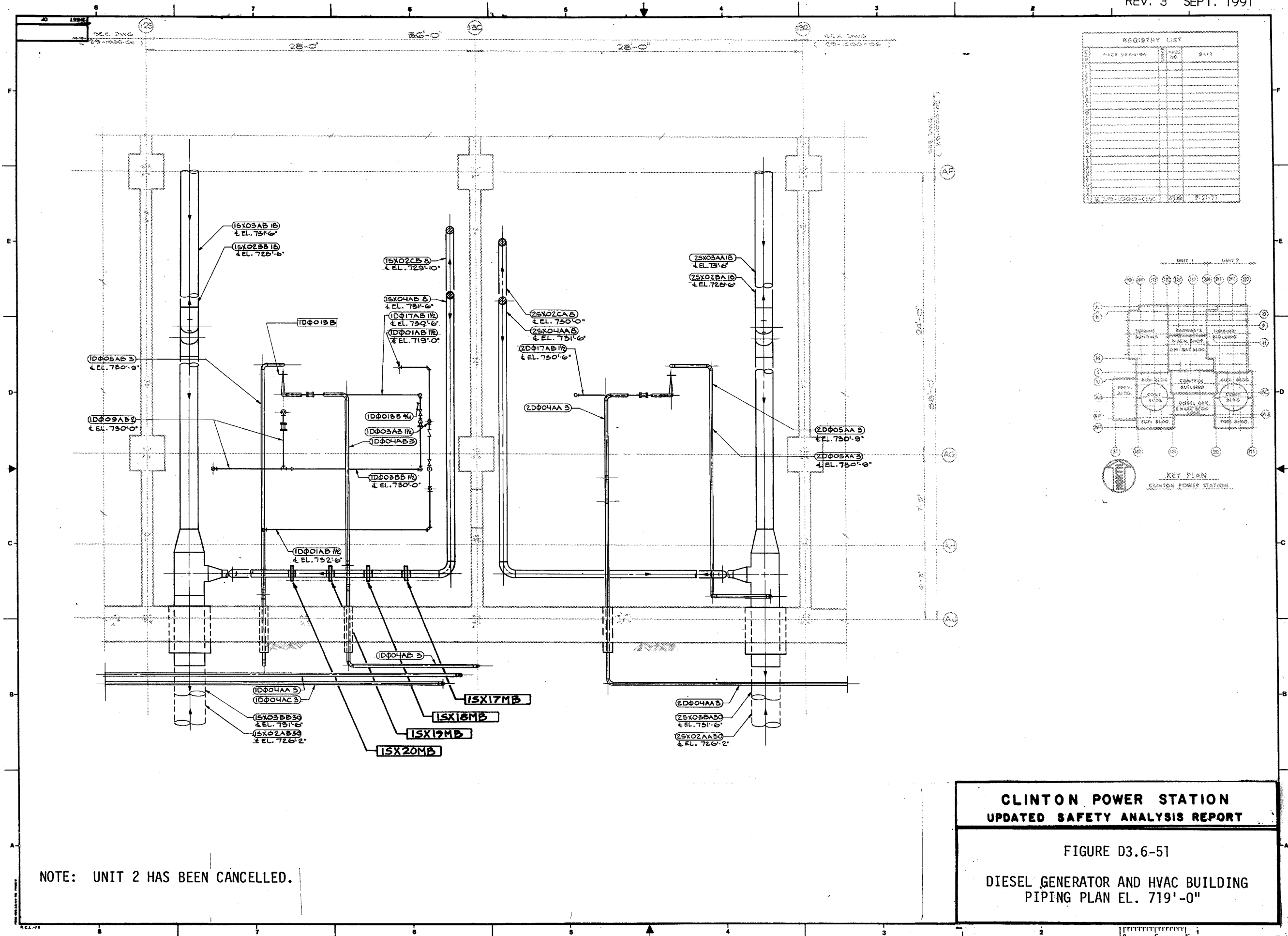
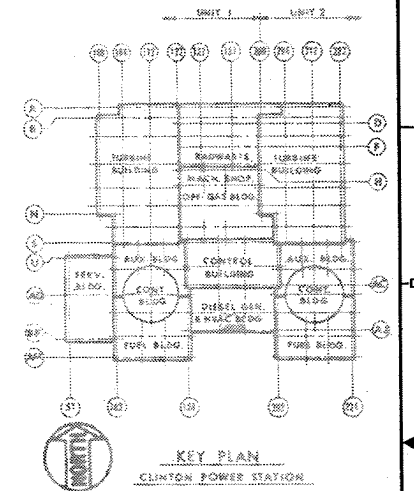


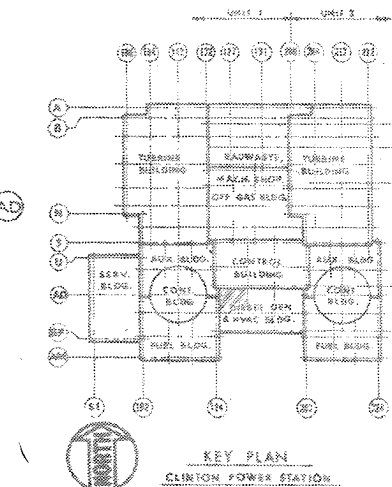
NOTE: UNIT 2 HAS BEEN CANCELLED.

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FIGURE D3.6-50

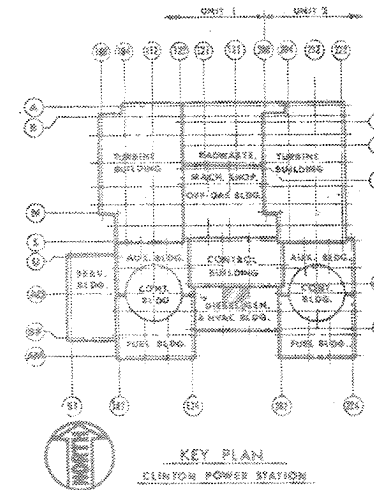
DIESEL GENERATOR AND HVAC BUILDING
PIPING PLAN EL. 719'-0"

[illegible]



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

NOTE: UNIT 2 HAS BEEN CANCELLED.

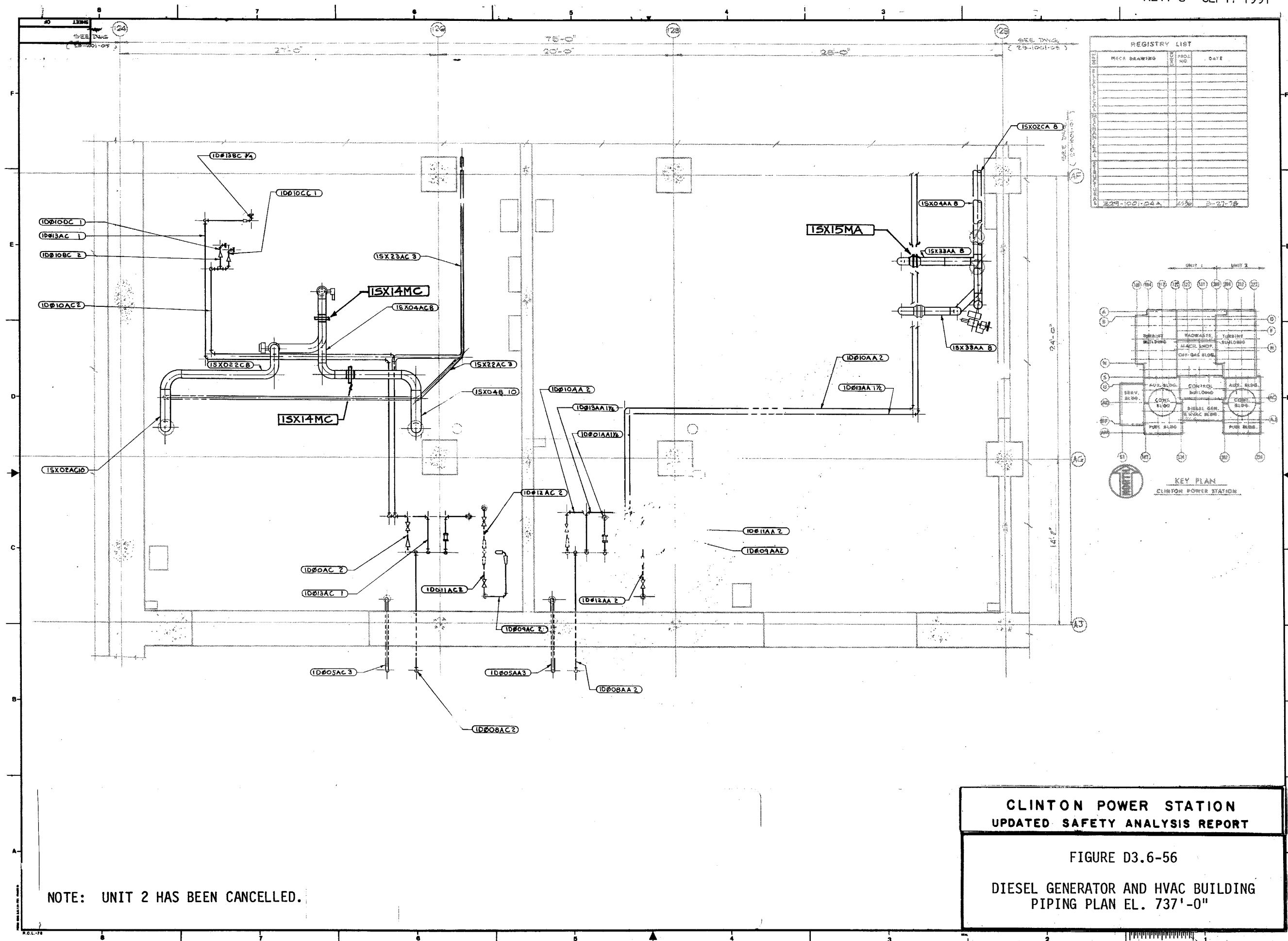


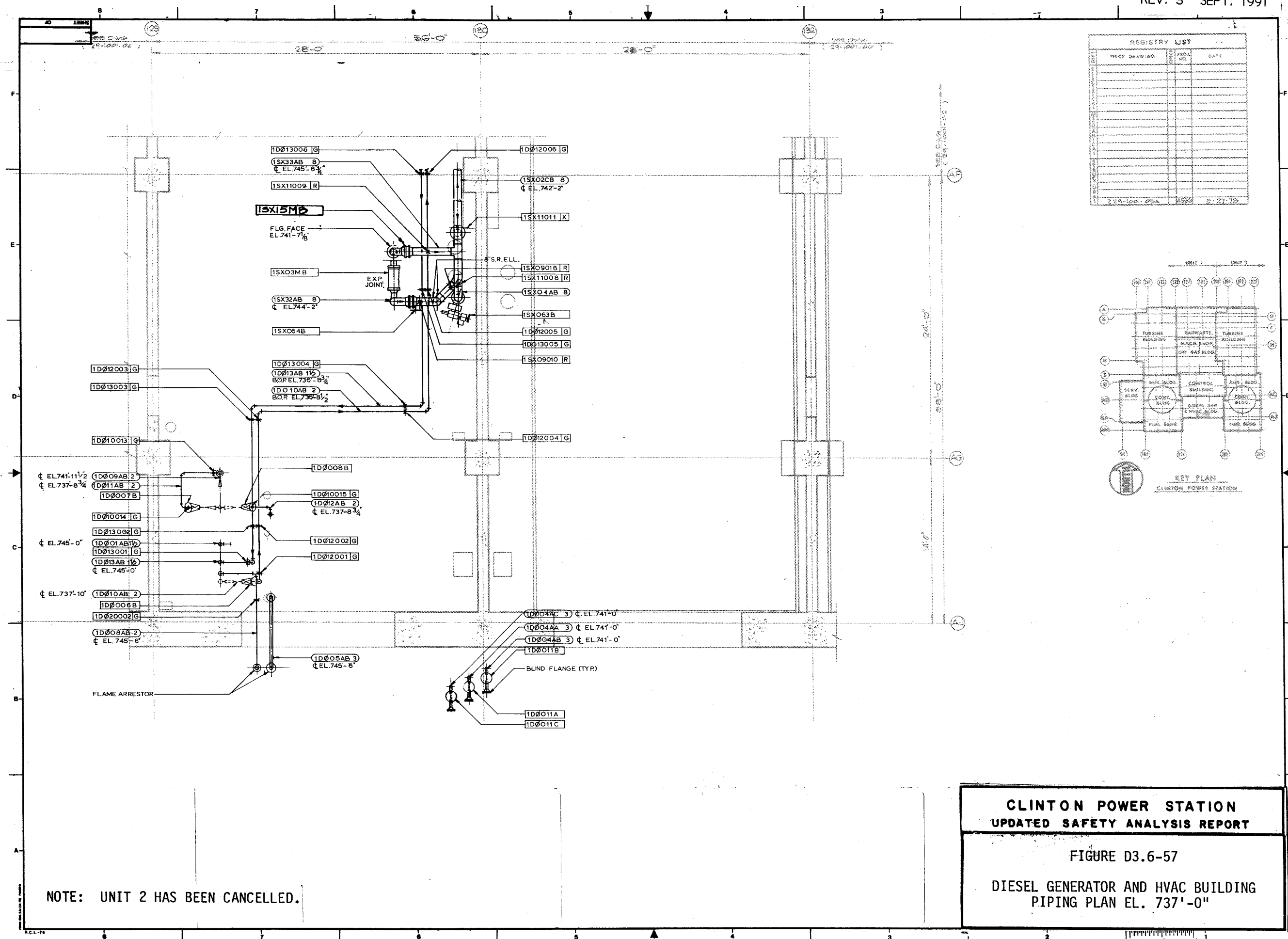
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

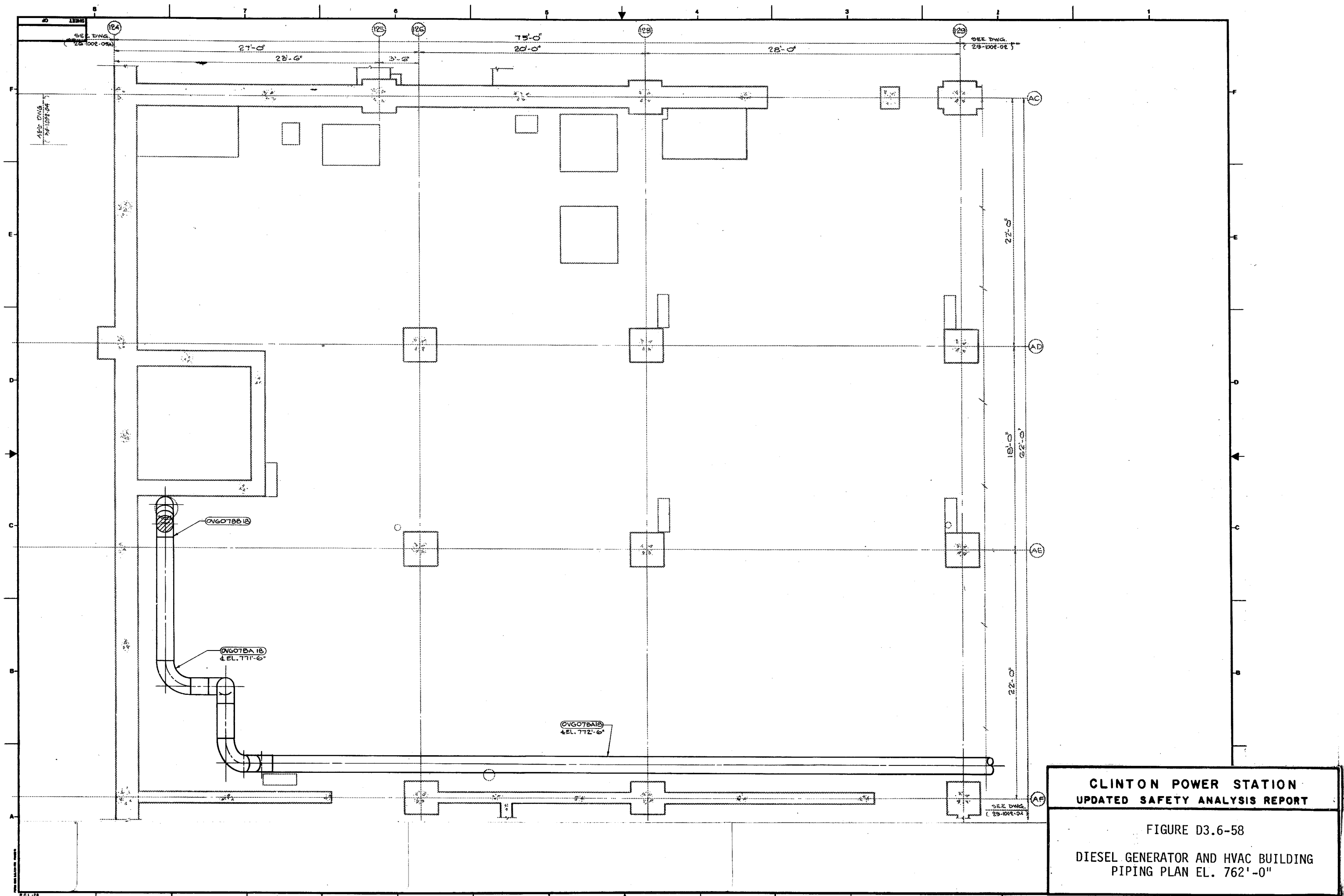
FIGURE D3.6-54

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

NOTE: UNIT 2 HAS BEEN CANCELLED.



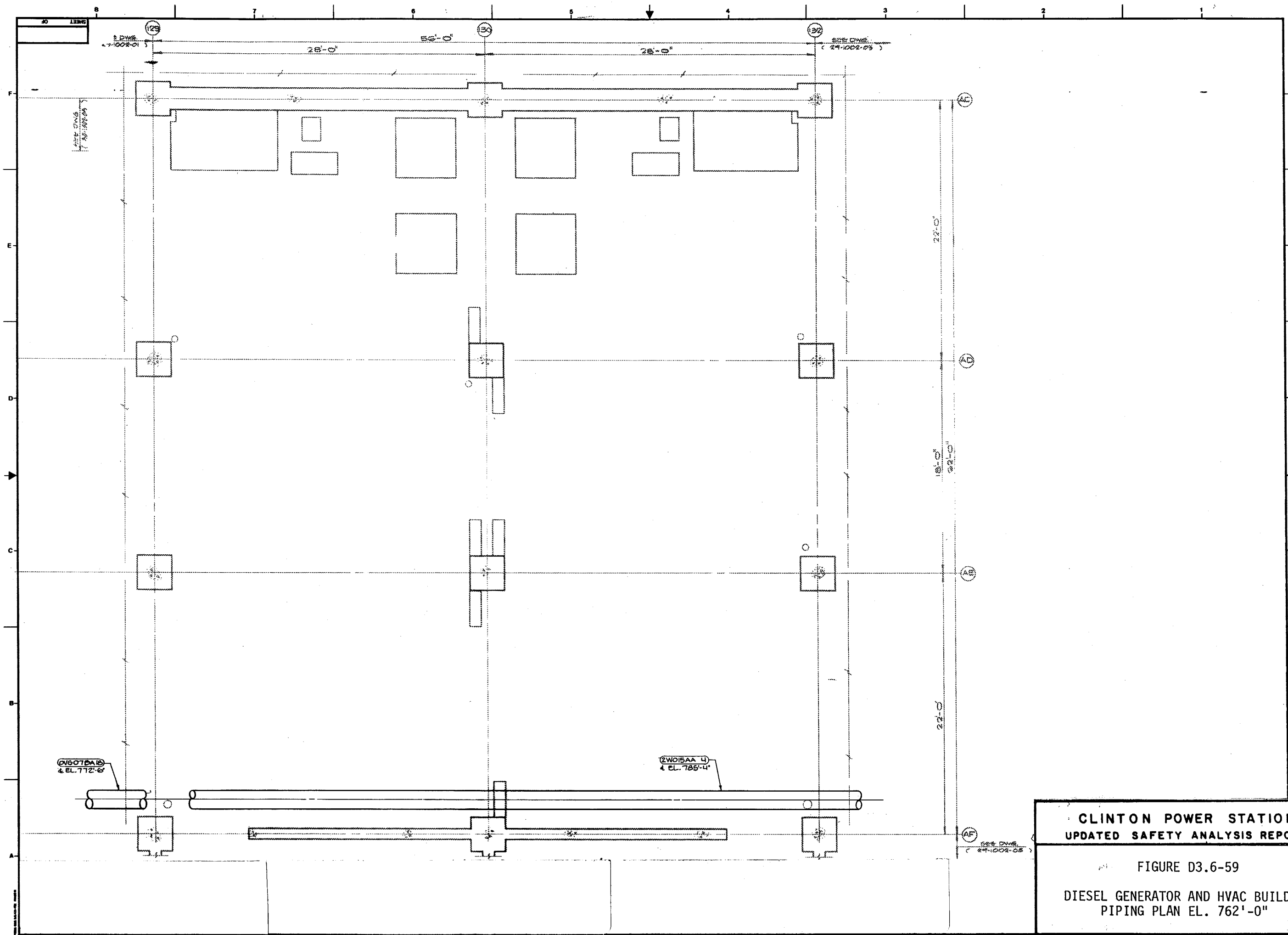




CLINTON POWER STATION
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FIGURE D3.6-58

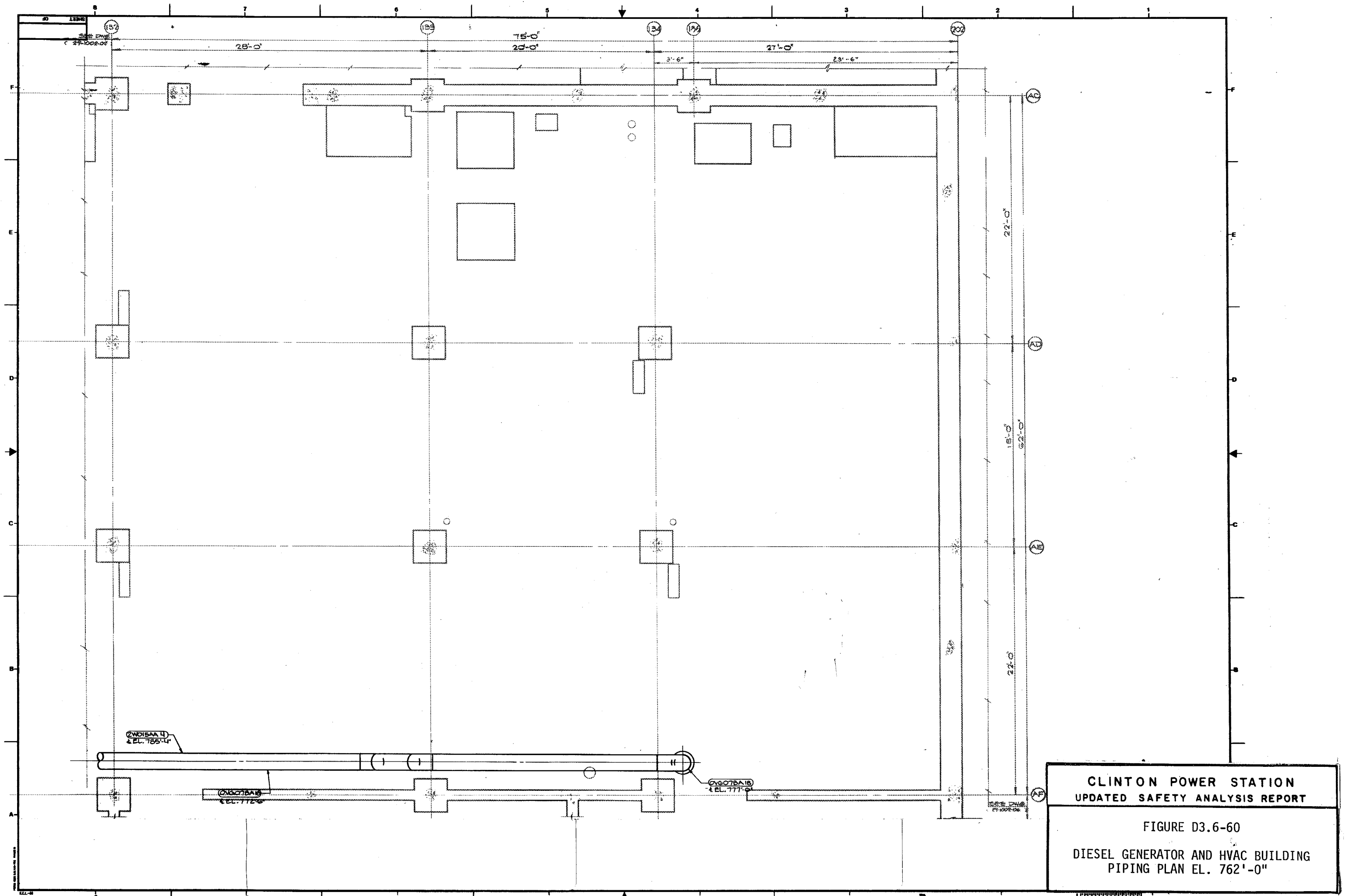
DIESEL GENERATOR AND HVAC BUILDING
PIPING PLAN EL. 762'-0"

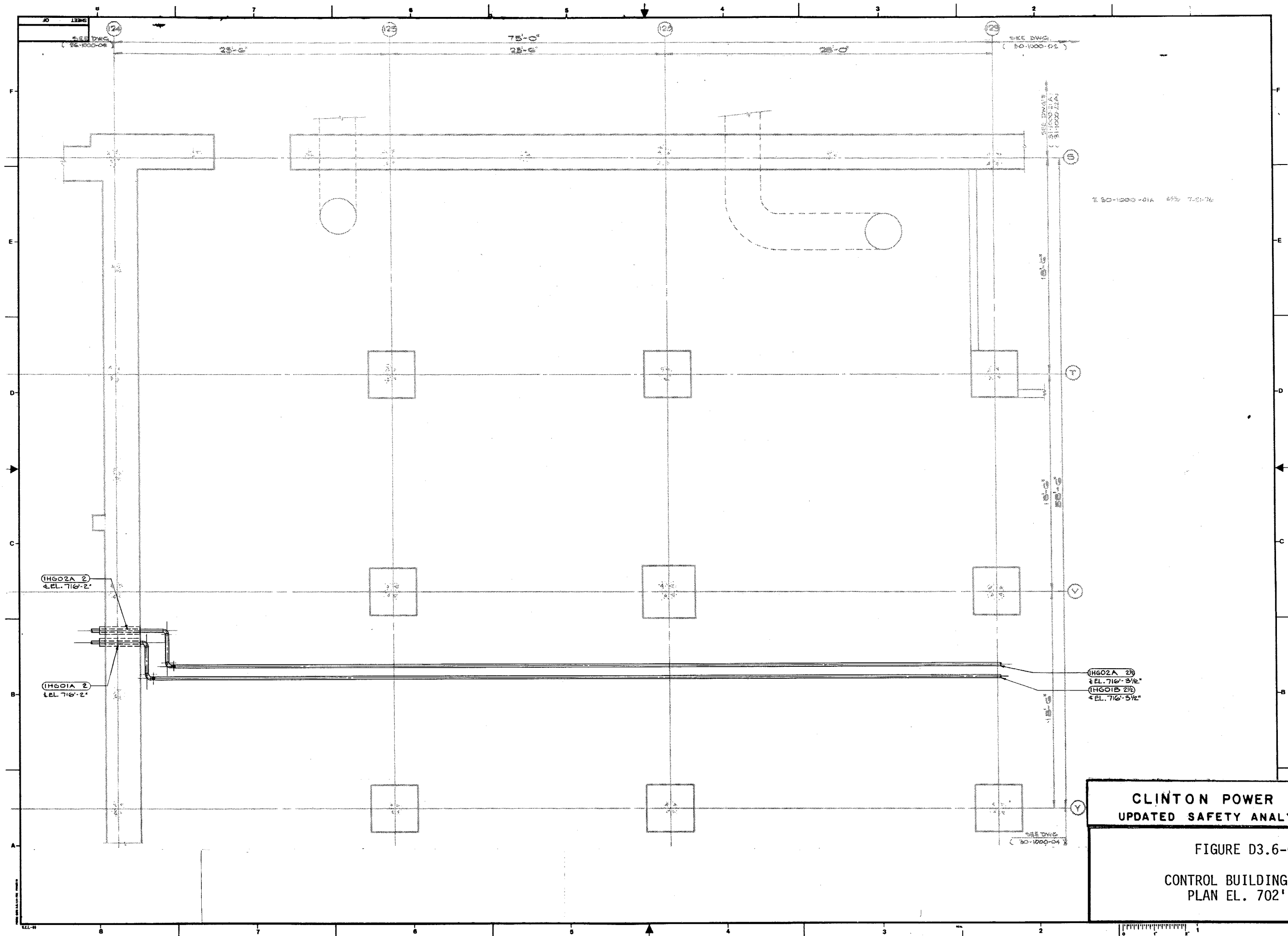


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UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-59

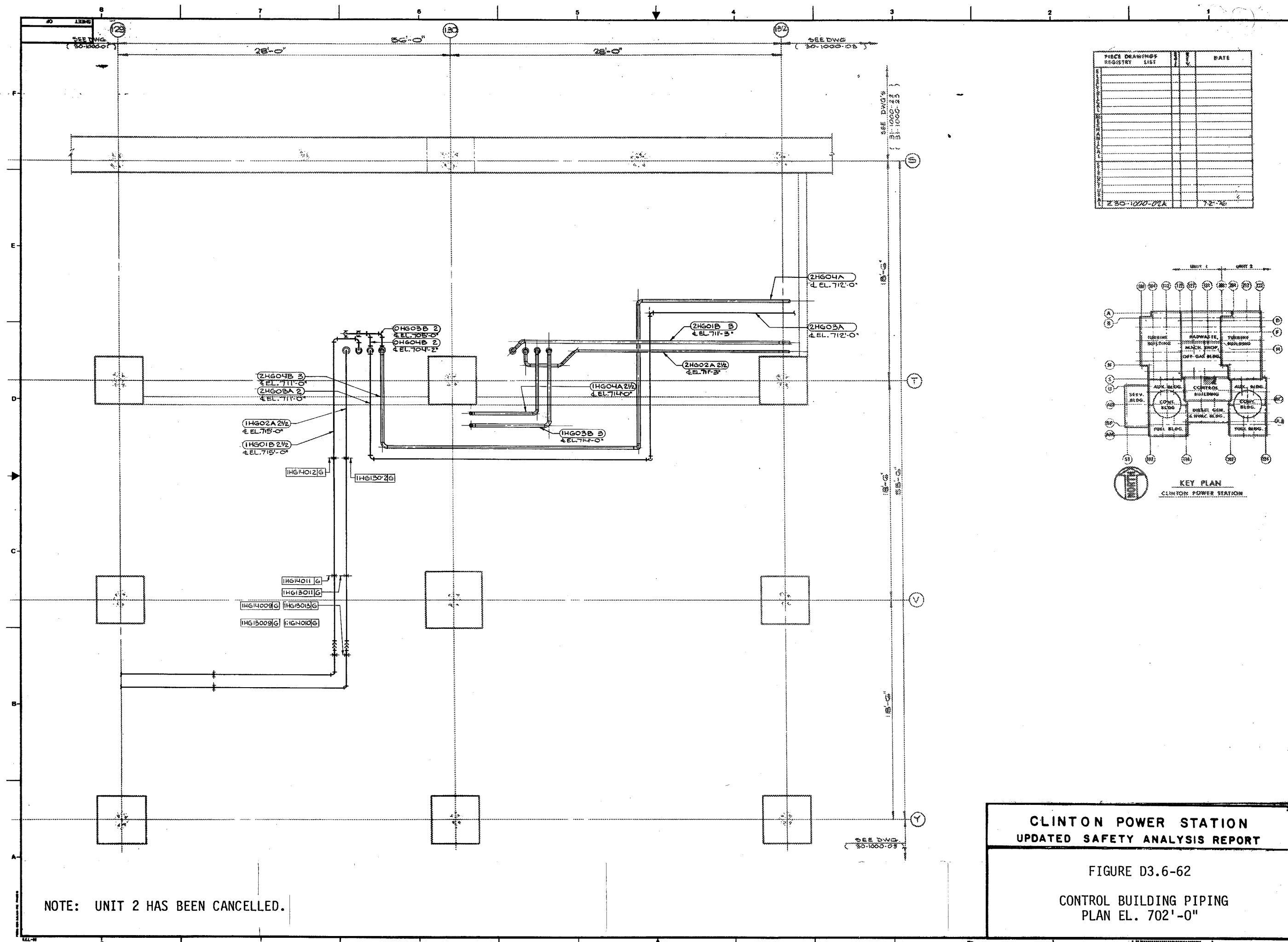
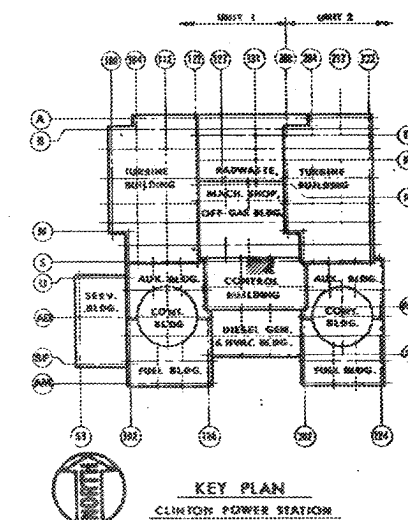
DIESEL GENERATOR AND HVAC BUILDING
PIPING PLAN EL. 762'-0"





CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-61
CONTROL BUILDING PIPING
PLAN EL. 702'-0"

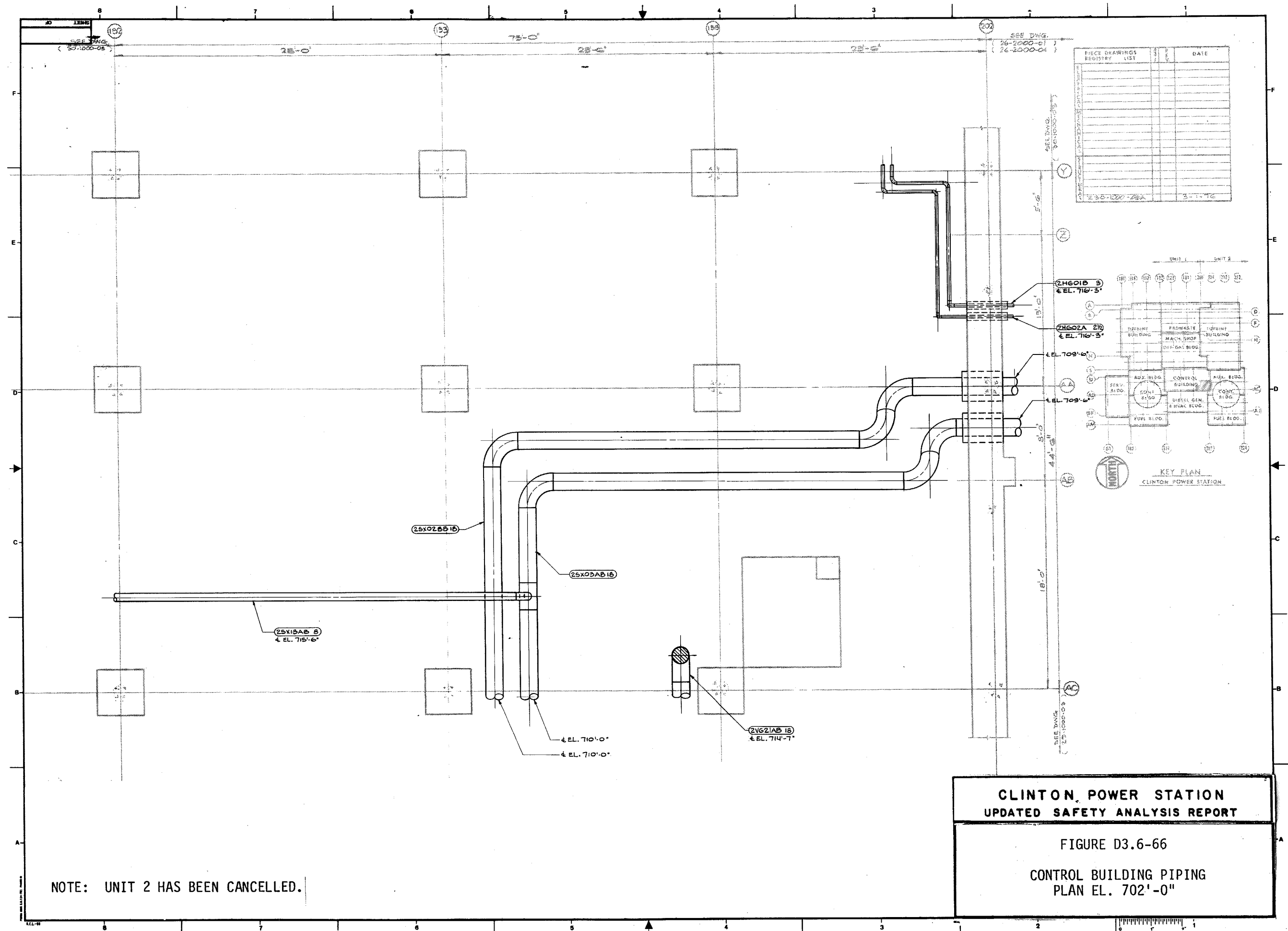
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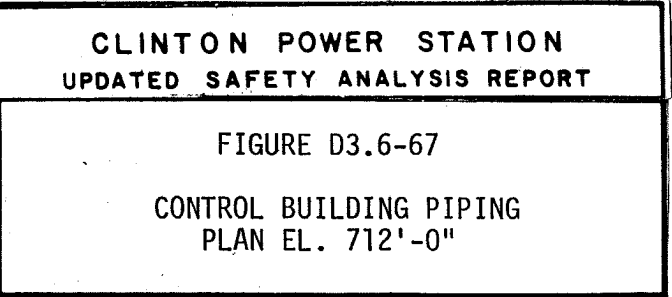
NOTE: UNIT 2 HAS BEEN CANCELLED.

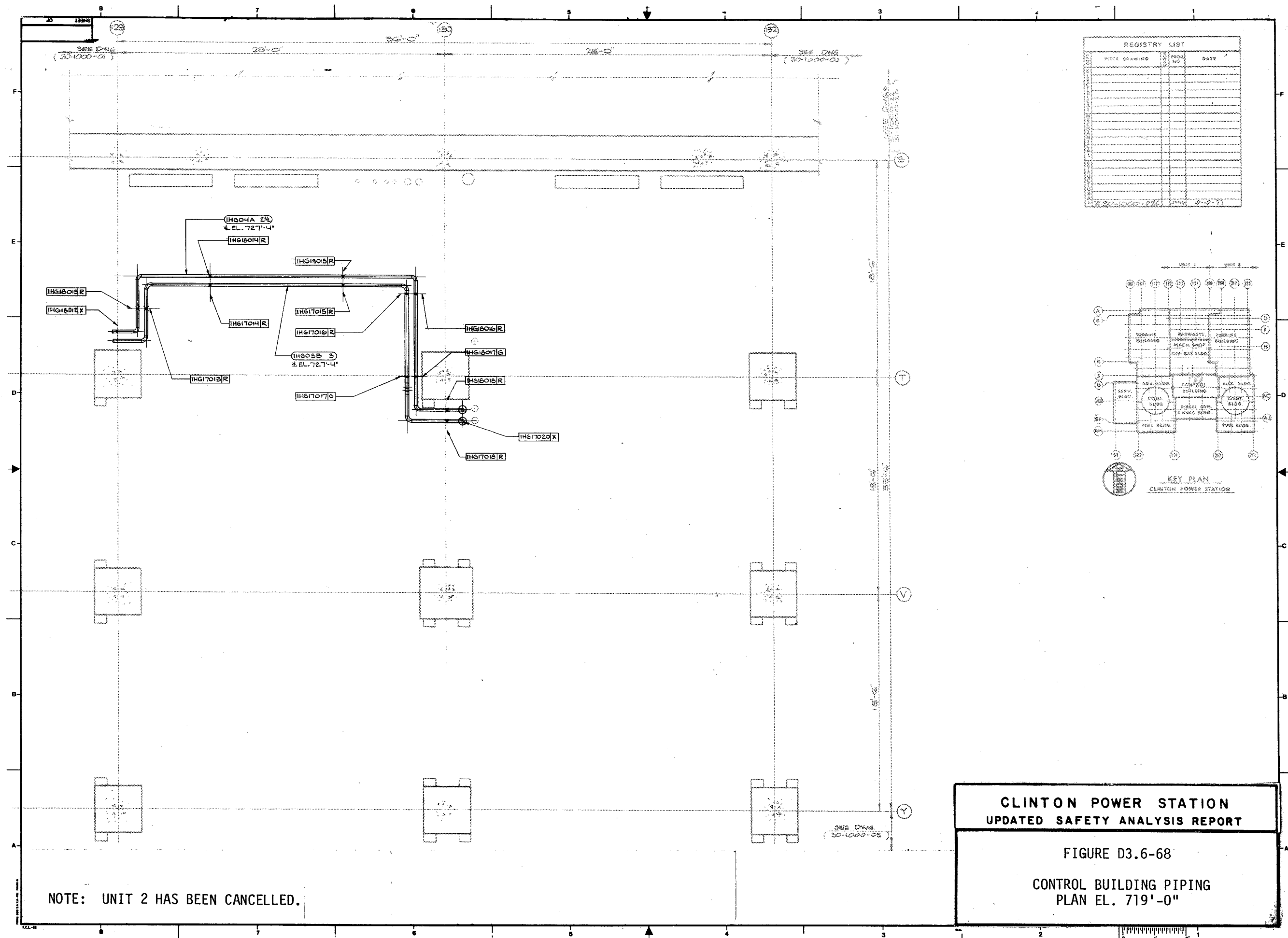
CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-62

CONTROL BUILDING PIPING
PLAN EL. 702'-0"







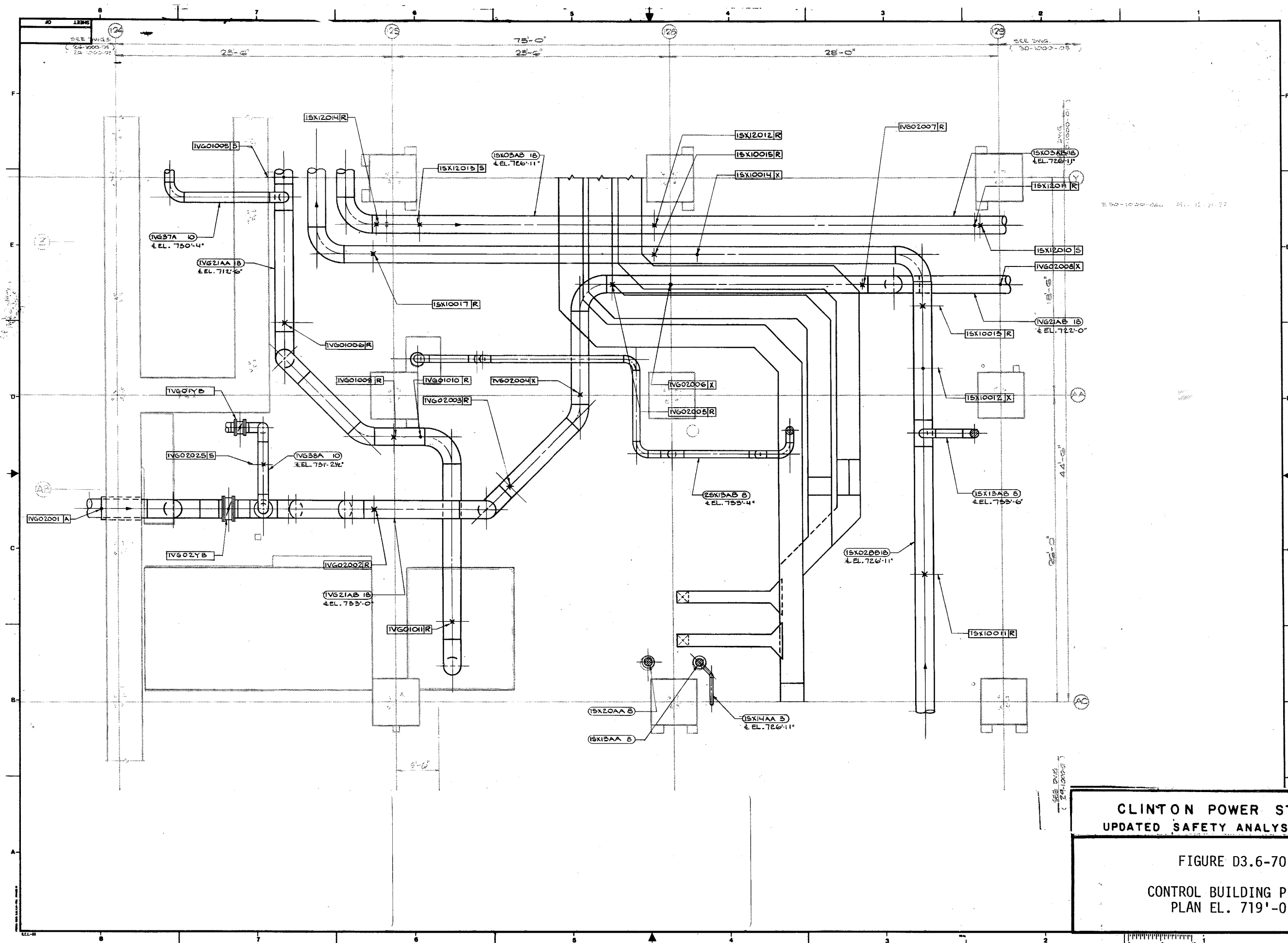
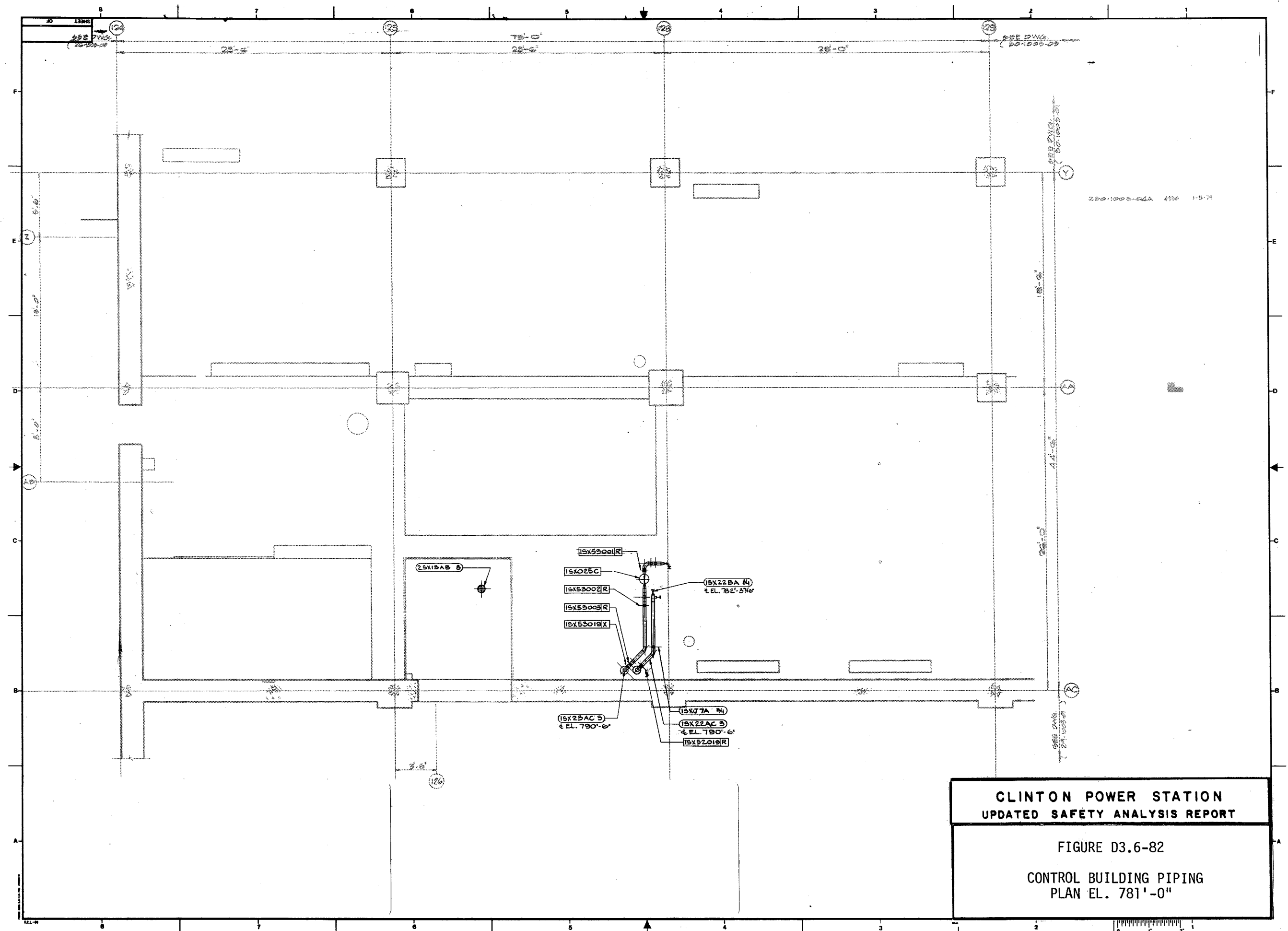
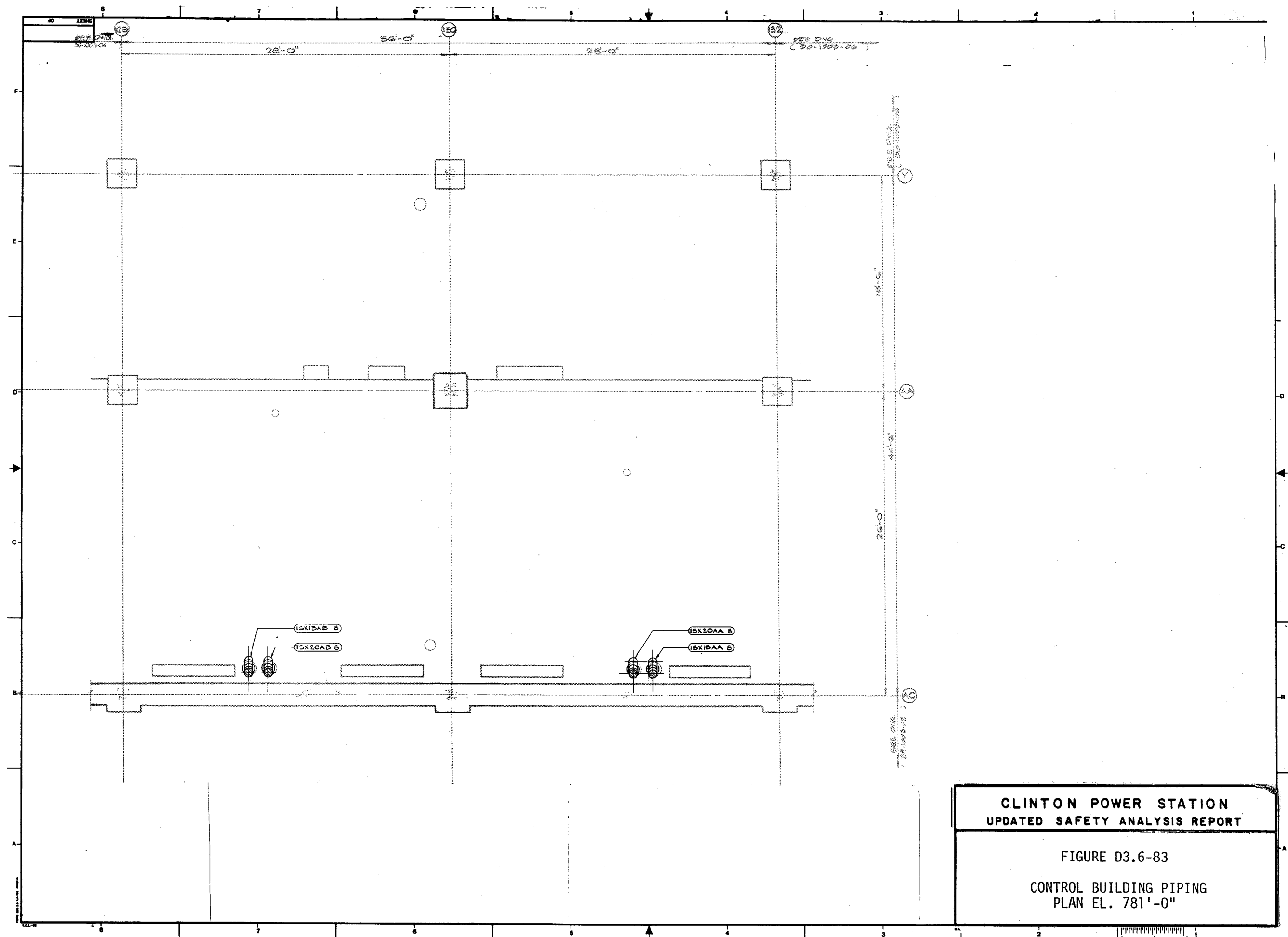
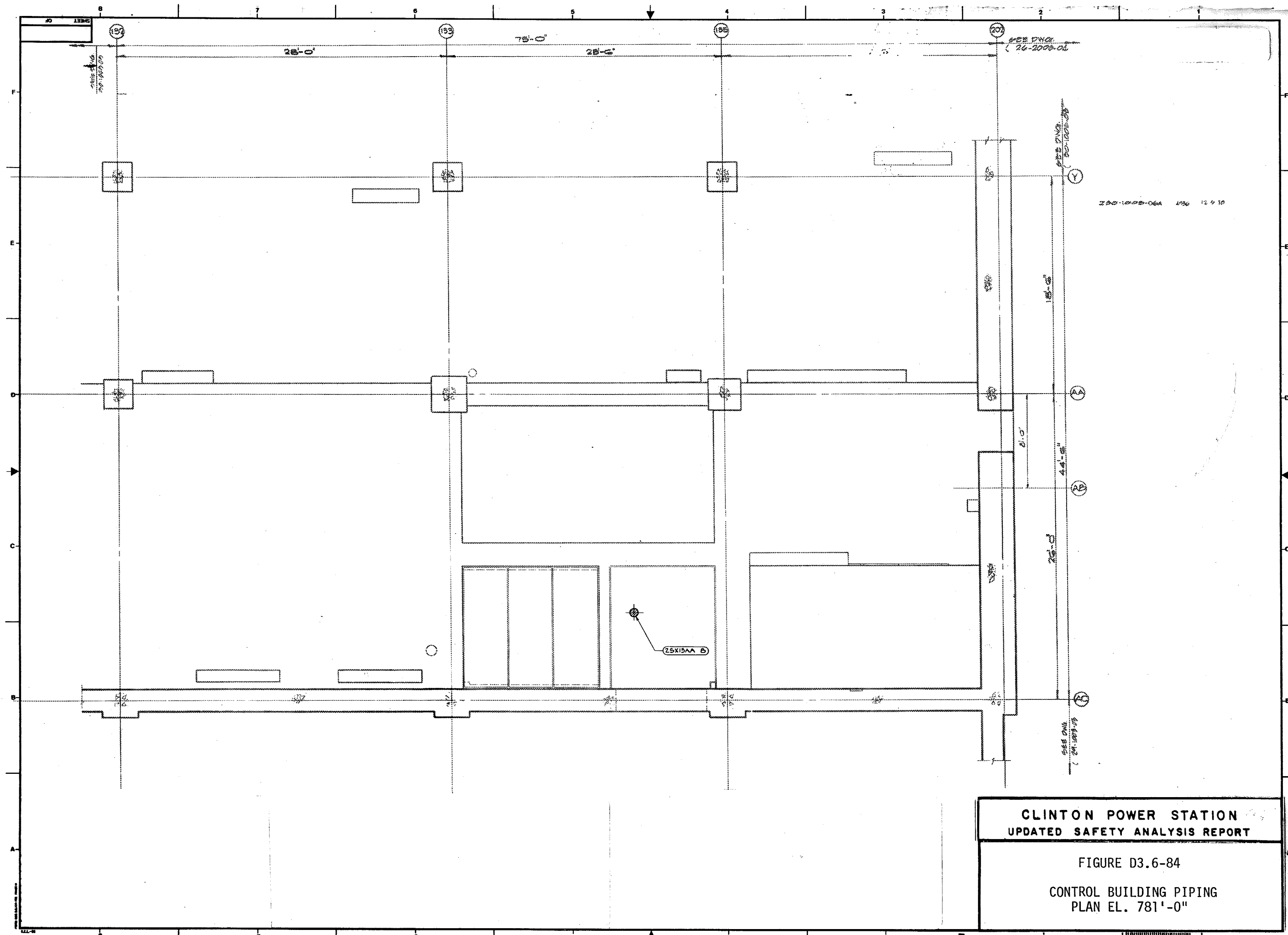
CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

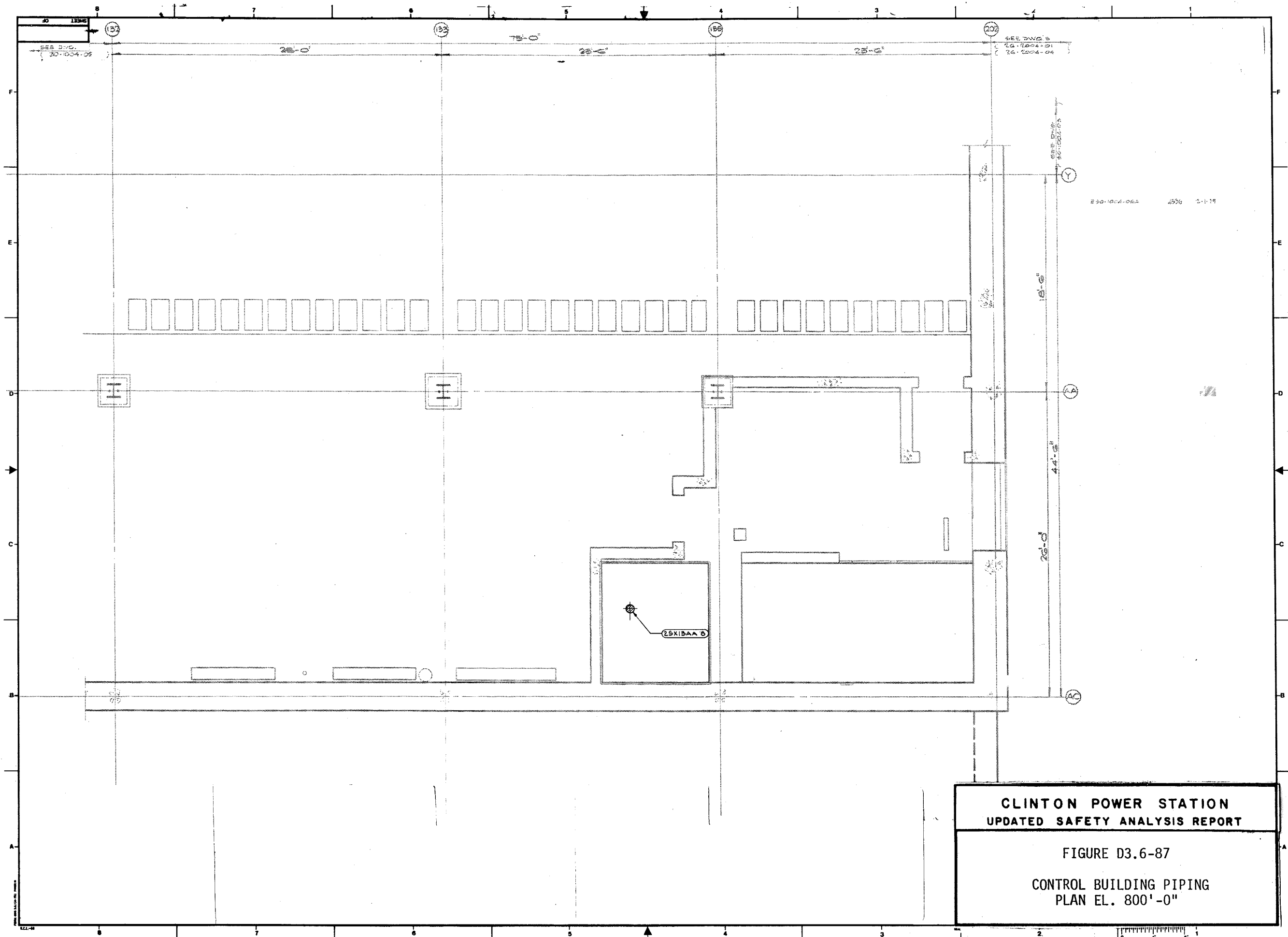
FIGURE D3.6-70

CONTROL BUILDING PIPING
PLAN EL. 719'-0"









CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-87

CONTROL BUILDING PIPING
PLAN EL. 800'-0"

[illegible]

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-88

CONTAINMENT PIPING PLAN
FLOOR EL. 712'-0"

FIGURE D3.6-88

CONTAINMENT PIPING PLAN

FLOOR EL. 712'-0"

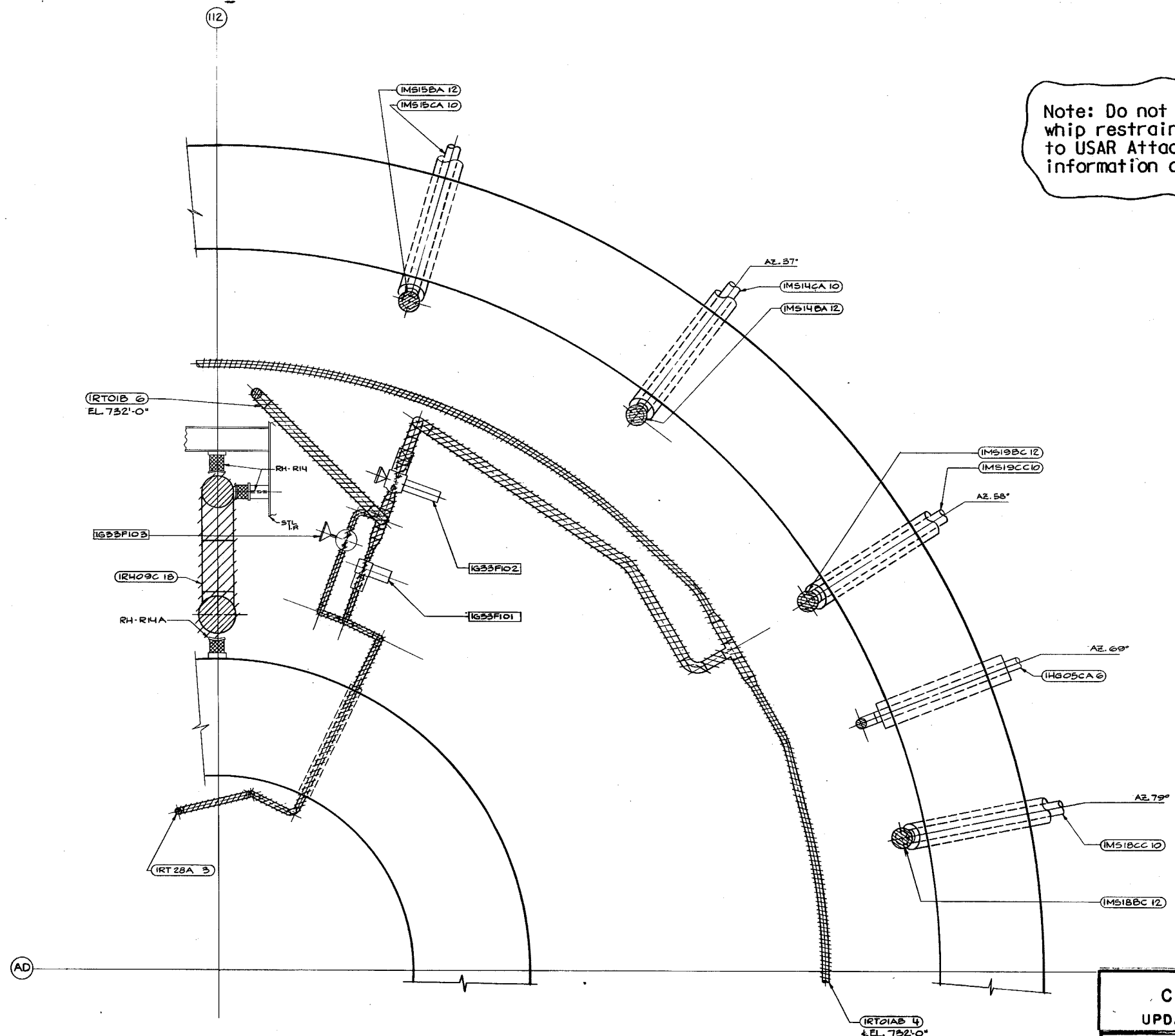
FIGURE D3.6-88

CONTAINMENT PIPING PLAN

FLOOR EL. 712'-0"

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June 1997

Note: Do not use this figure for pipe whip restraint information. Please refer to USAR Attachment B3.6 for accurate information on this subject.

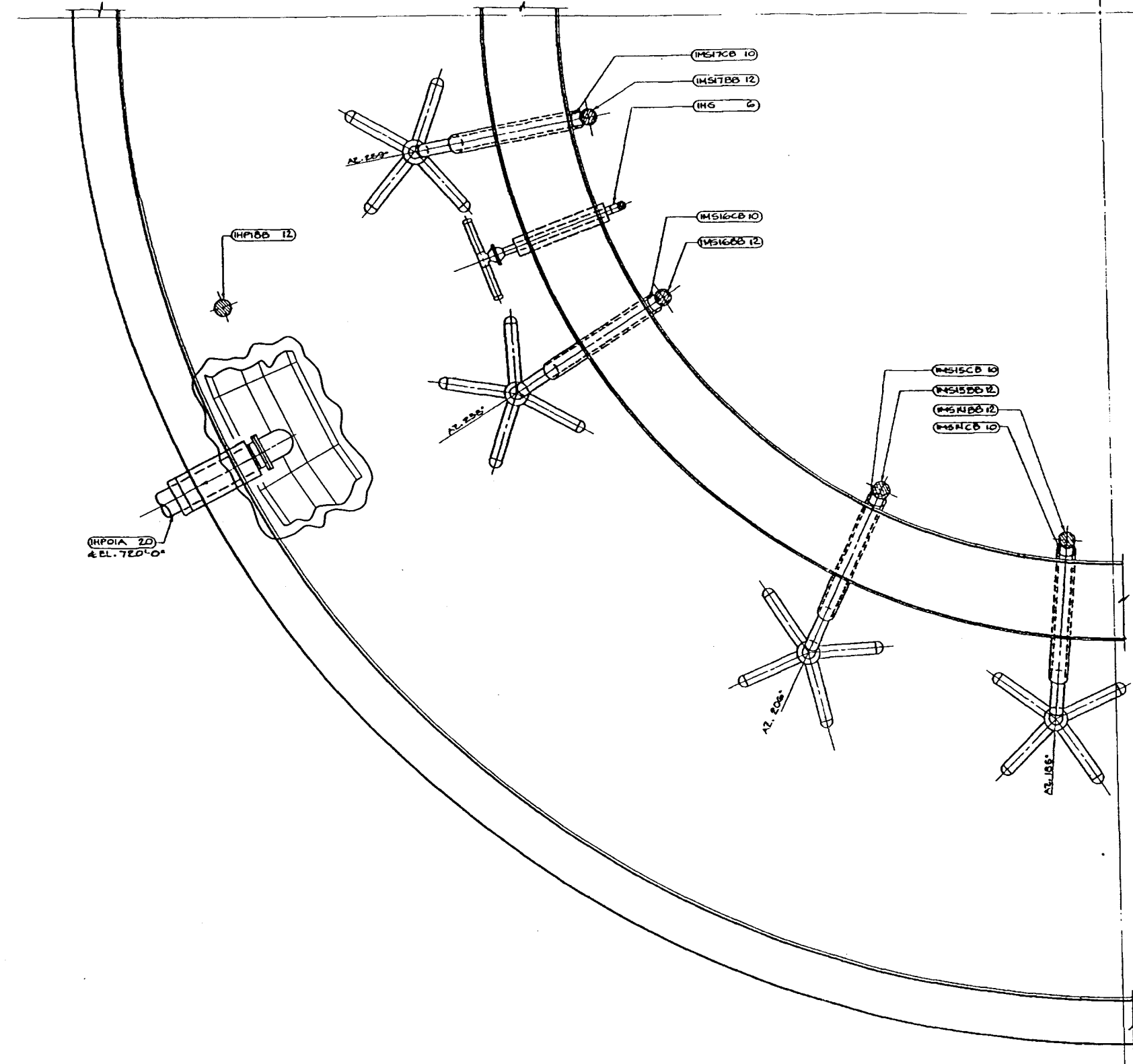


CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-89

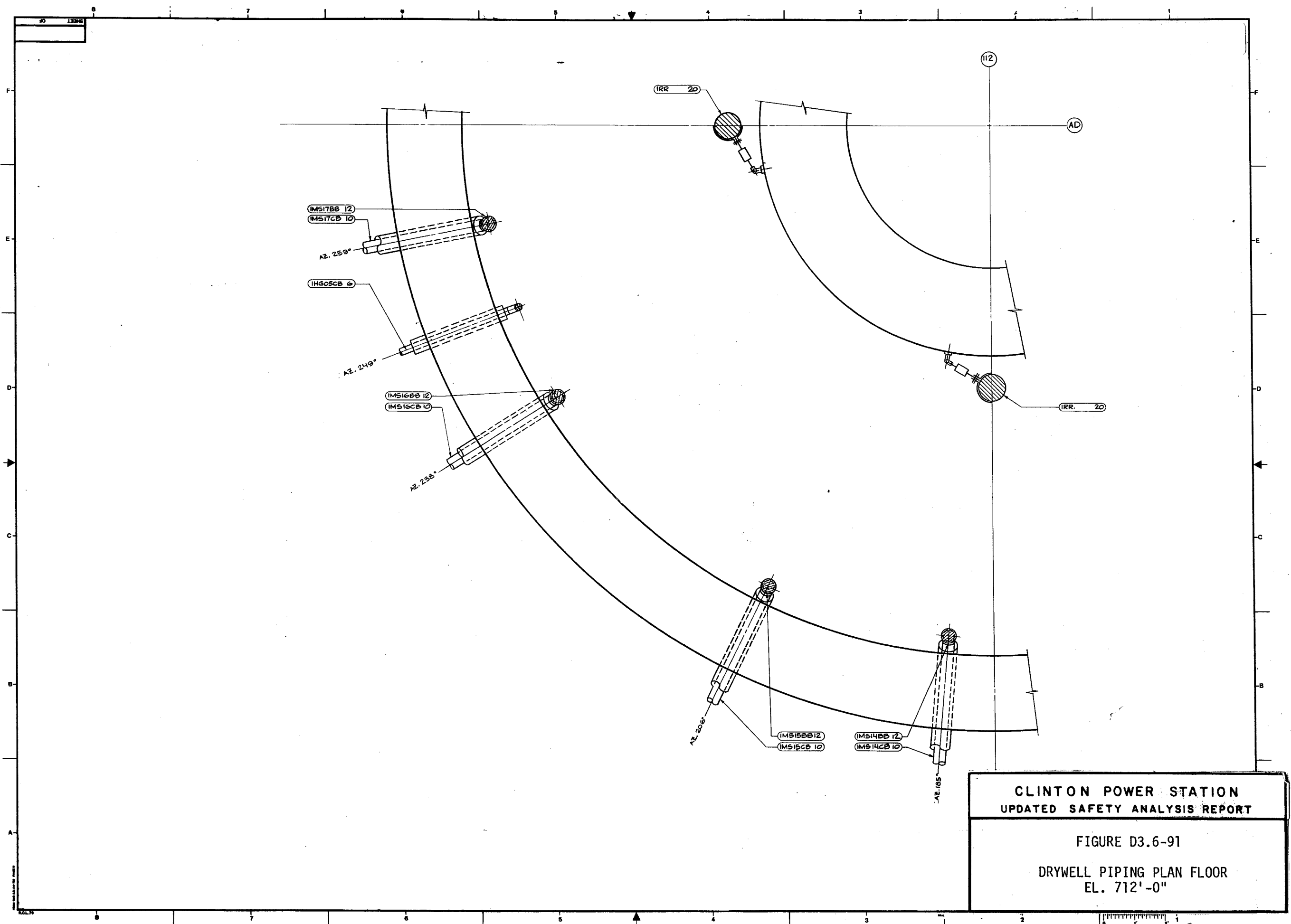
DRYWELL PIPING PLAN FLOOR
EL. 712'-0"

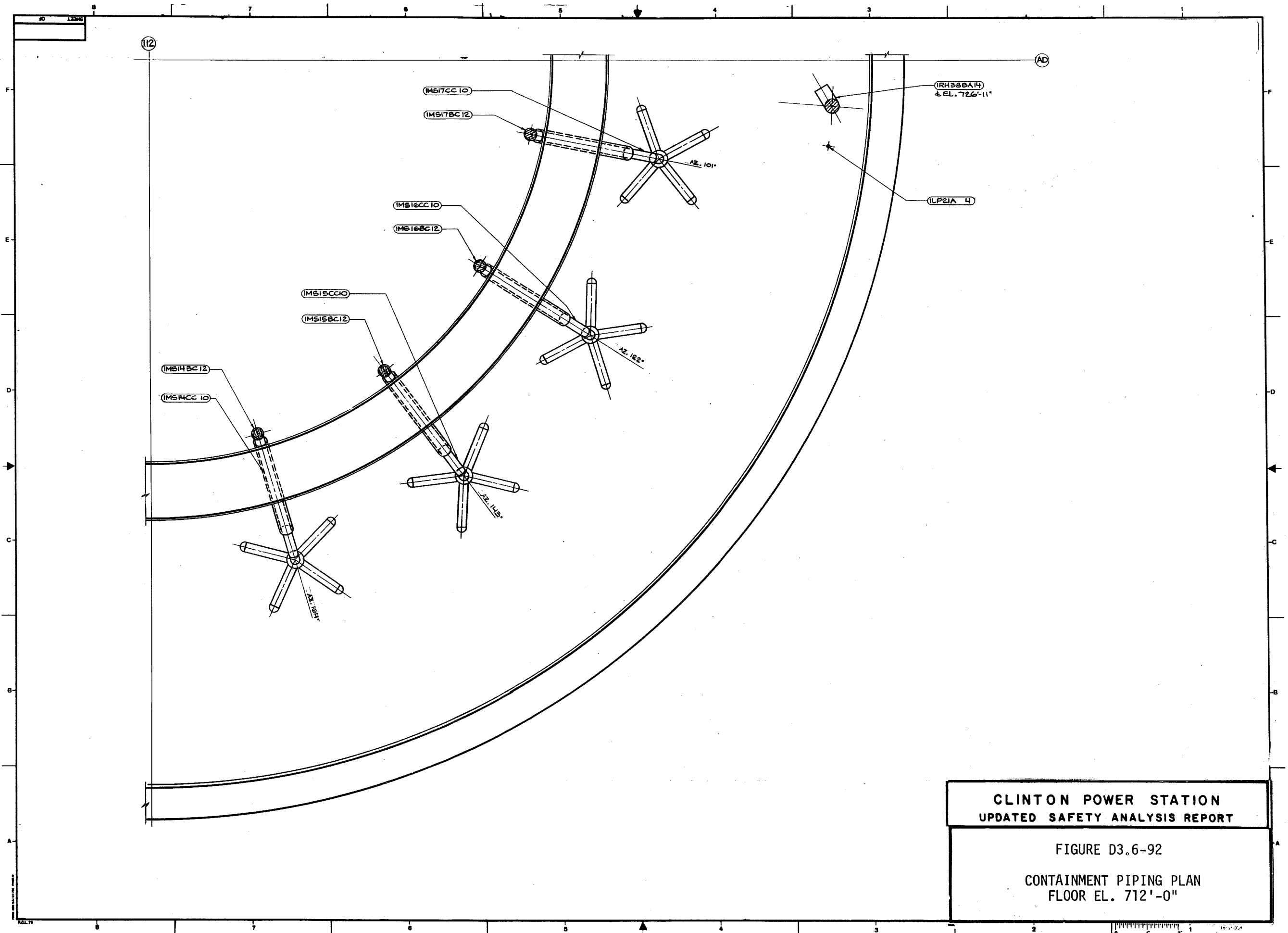
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CLINTON POWER STATION
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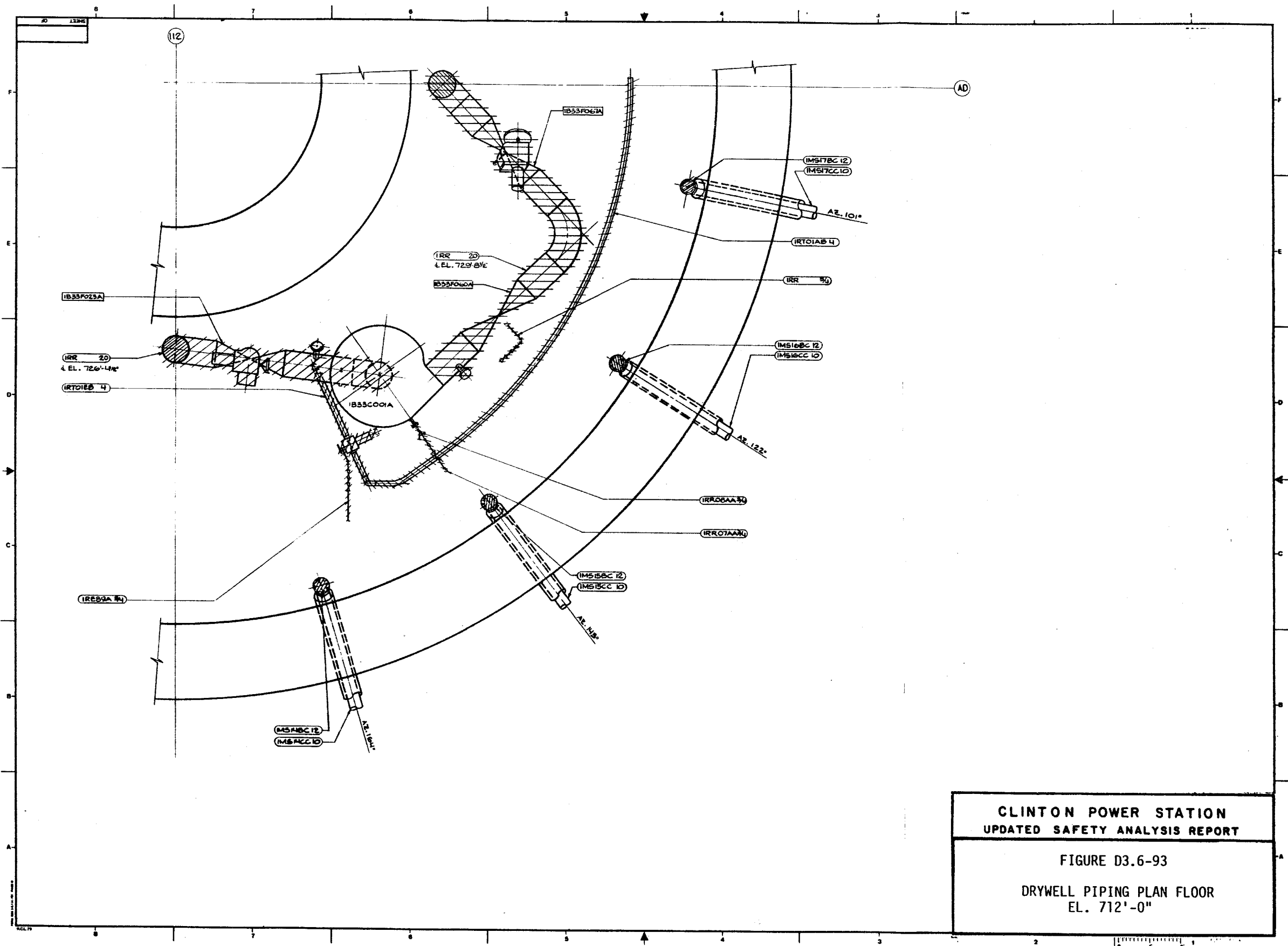
FIGURE D3.6-90
CONTAINMENT PIPING PLAN
FLOOR EL. 712'-0"





CLINTON POWER STATION
 UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-92
 CONTAINMENT PIPING PLAN
 FLOOR EL. 712'-0"



REVISION 8
AUGUST 1999

IRH01AB 10
EL. 720'-0"

IRH17CB 11/2
IRH59C 14

IRH01AC 10
EL. 720'-0"

IRH17CC 11/2
IRH41CC 11/2

IRH30CB 10
IRH41CB 11/2

IRH56C 11/2

IRH59C 14

AZ. 251

AZ. 202

AZ. 223

IM516BC 12
IM516CD 10

IM516BC 12
IM516CD 10

IM514BC 12
IM514CD 10

IM518BC 12
IM518CD 10

1R102A 6
EL. 720'-0"

CLINTON POWER
UPDATED SAFETY ANALYSIS

FIGURE D3.6-9
CONTAINMENT PIPING
FLOOR EL. 712

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

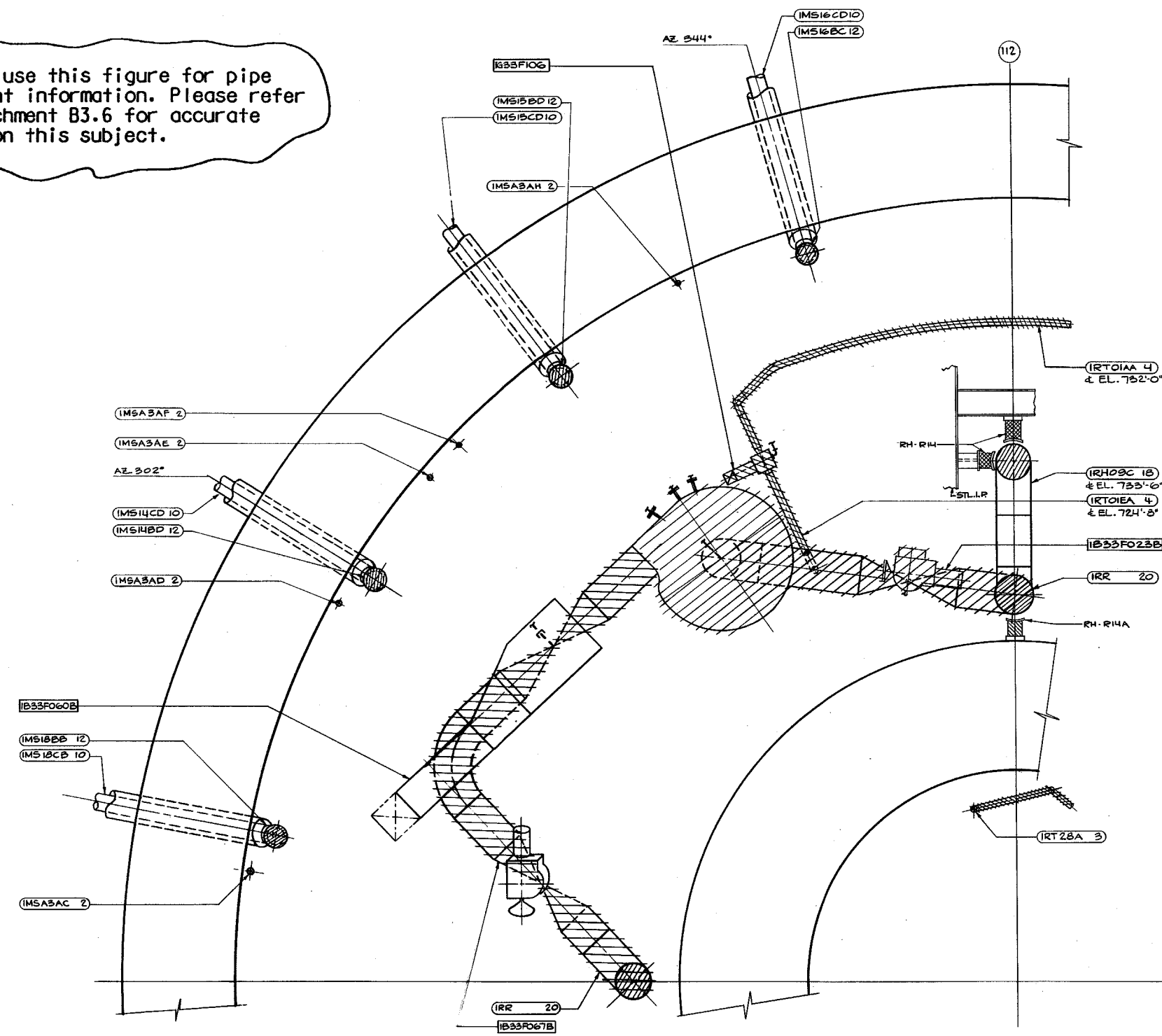
FIGURE D3.6-94

CONTAINMENT PIPING PLAN
FLOOR EL. 712'-0"

CONTAINMENT PIPING PLAN
FLOOR EL. 712'-0"

Révision 7
June 1997

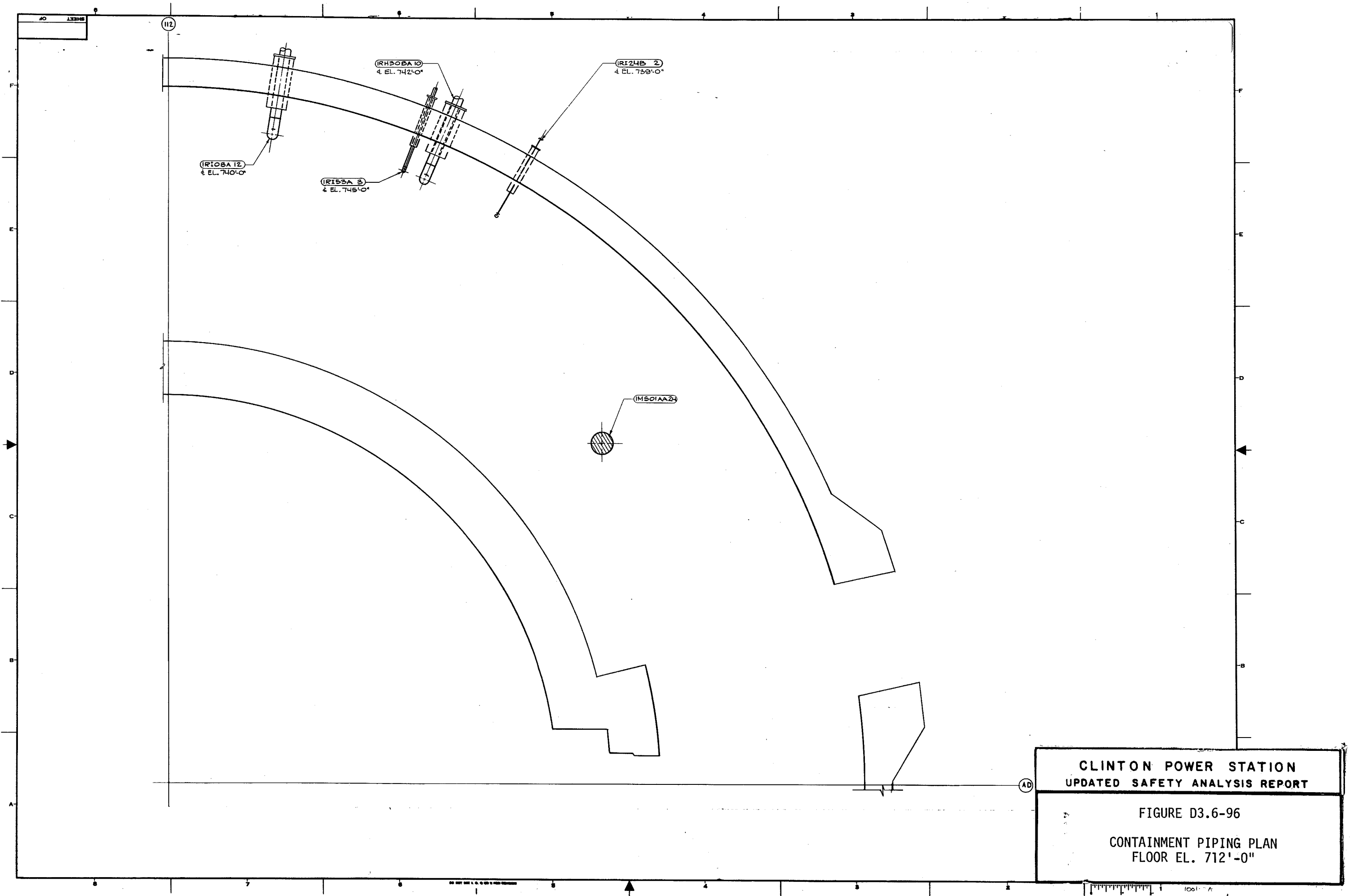
Note: Do not use this figure for pipe whip restraint information. Please refer to USAR Attachment B3.6 for accurate information on this subject.

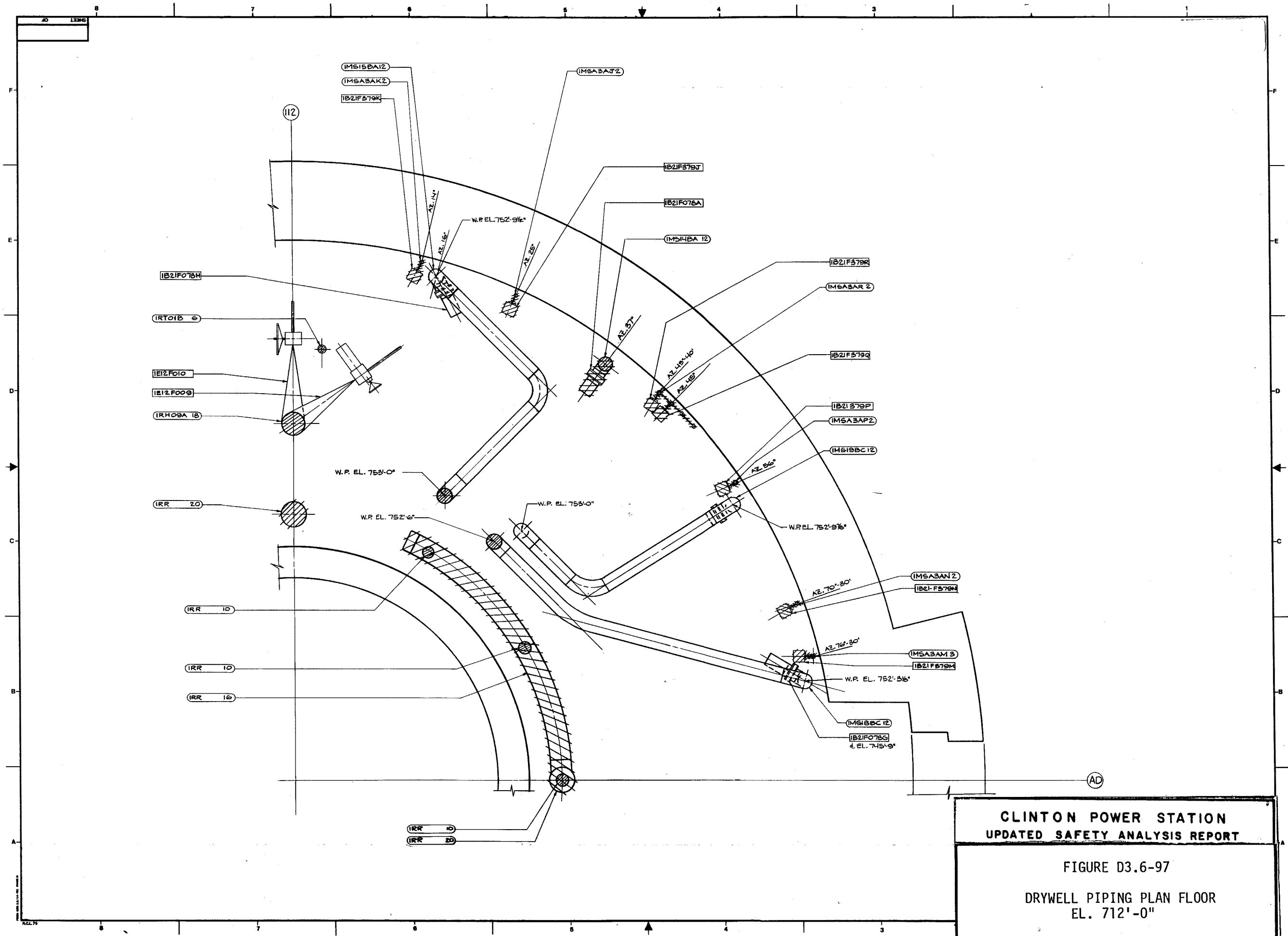


CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-95

DRYWELL PIPING PLAN FLOOR
EL. 712'-0"

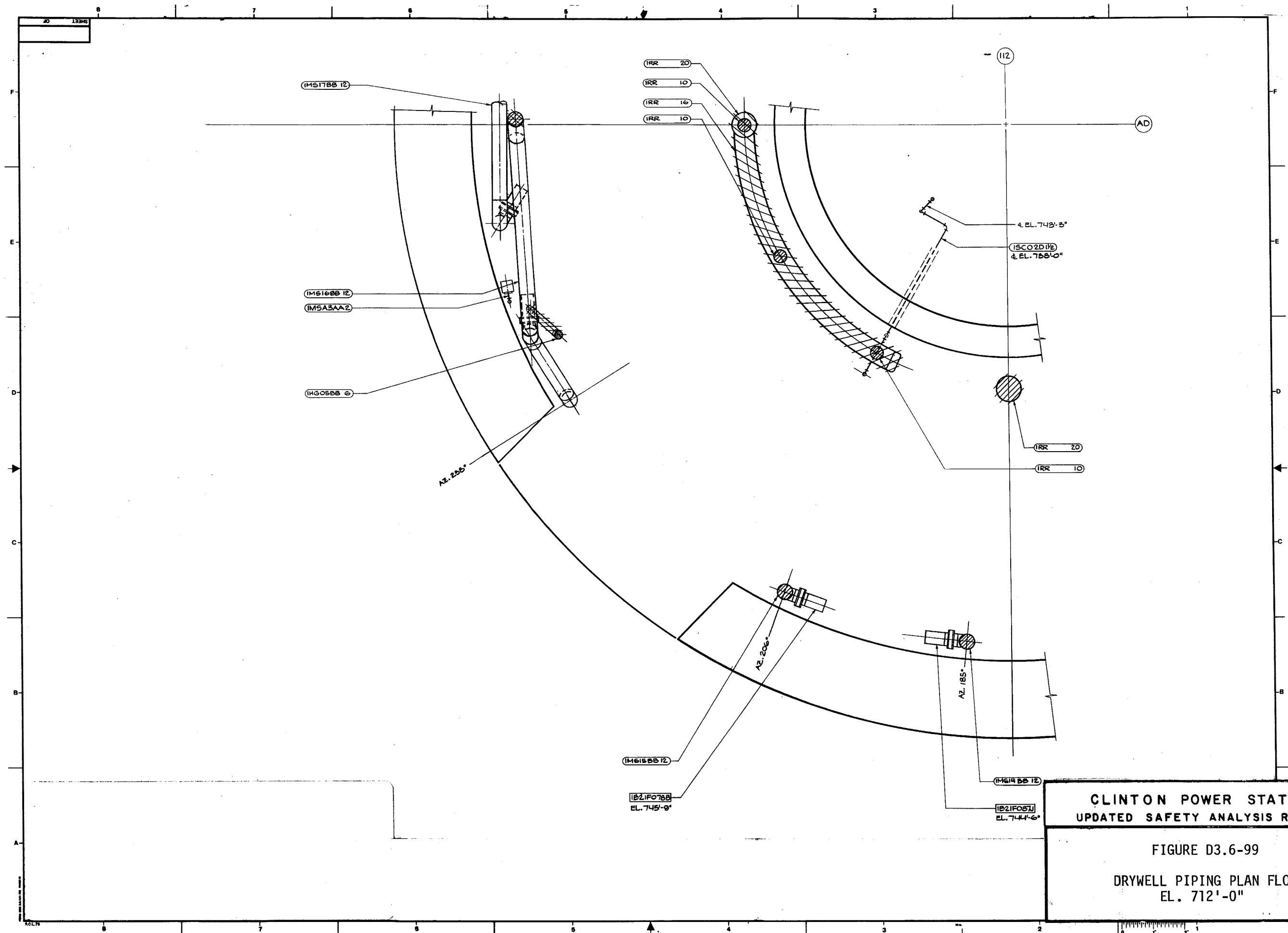




CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-97

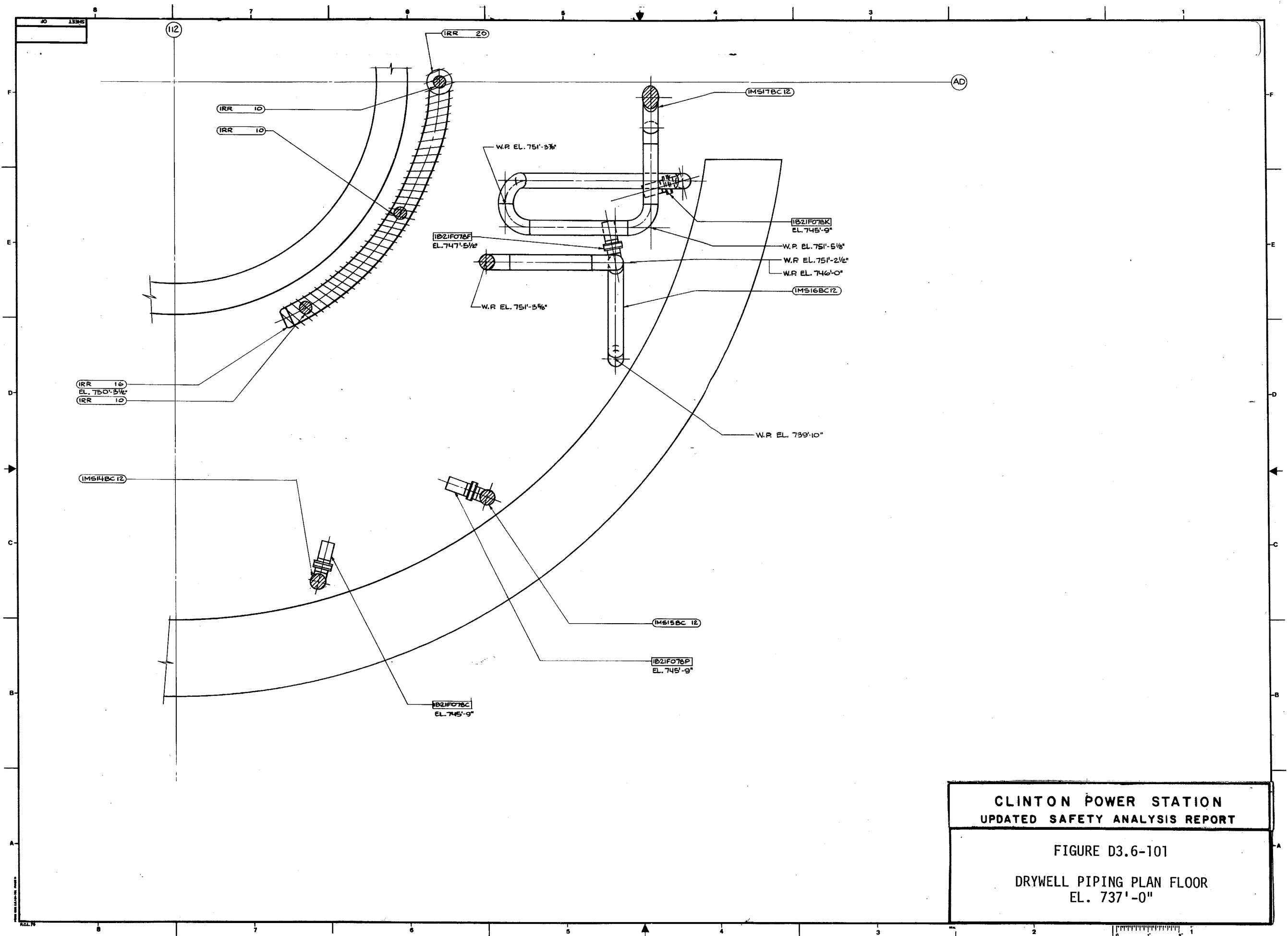
DRYWELL PIPING PLAN FLOOR
EL. 712'-0"



CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-99

DRYWELL PIPING PLAN FLOOR
EL. 712'-0"



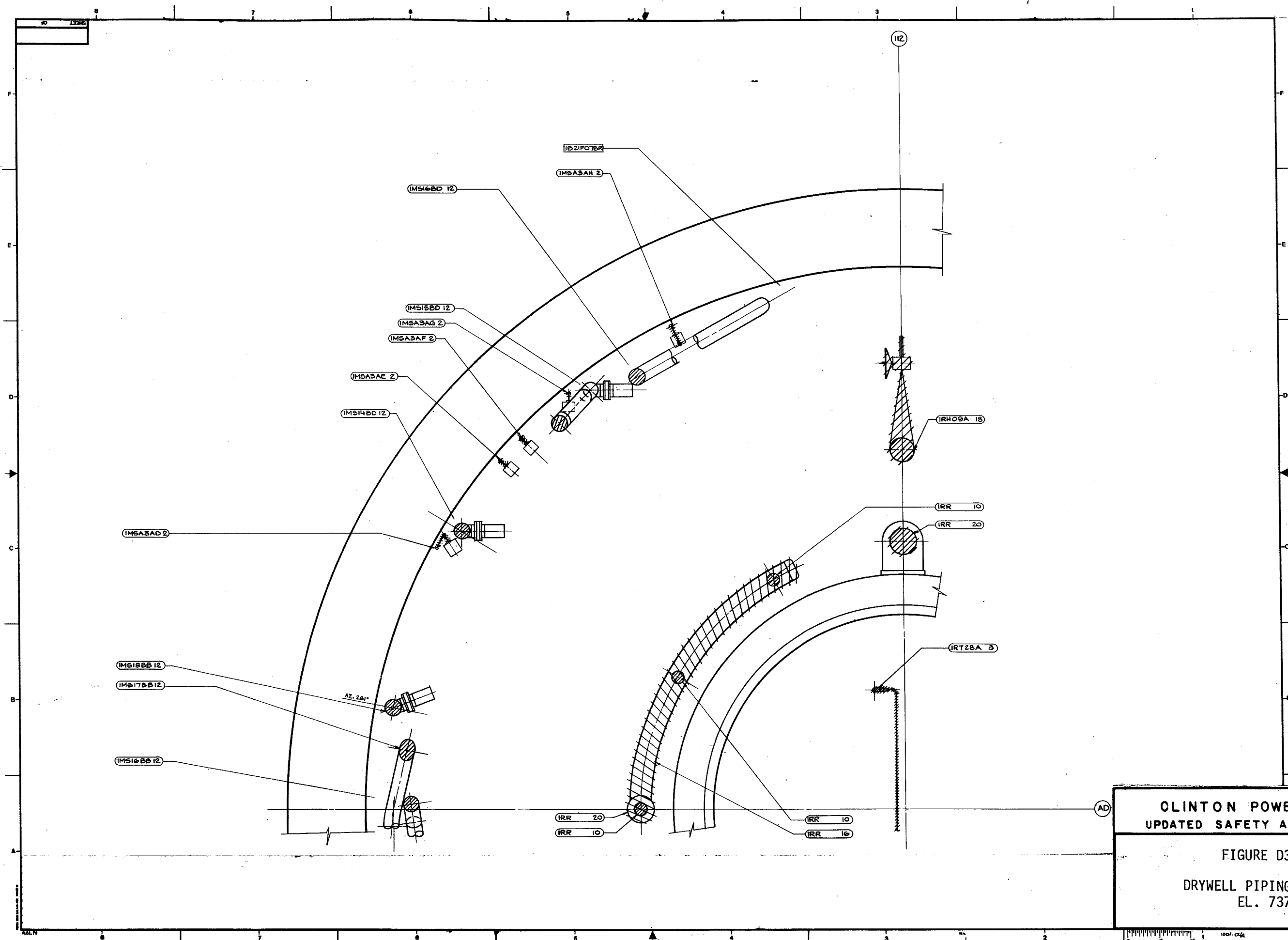
CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-103

DRYWELL PIPING PLAN FLOOR
EL. 737'-0"

Revision 7
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The diagram illustrates the drywell piping plan at elevation 737 feet. It features several vertical risers and horizontal connecting pipes. Key components labeled include:

- (IRH09A1B) EL. 757'-6"
- (IFW02KA20)
- (IRT01B 6") EL. 756'-6"
- (IMSABAJ 2)
- (IFW02HC12)
- (AZ-25°)
- (IMS15BA 12) EL. 756'-116"
- (AZ-21°)
- (RH-R12)
- (IMS30AA 2)
- (RHOHA 8)
- (RH-R13)
- (IMS30B 3)
- (R1-R4)
- (PW-R0A)
- (R1-R5)
- (PW-R2)
- (PW-R11)
- (RH-R3)
- (RH-R1)
- (RH-R2)
- (RH-R4)
- (RH-R5)
- (AZ-15°)
- (IRH09CA12)
- (IMSABAP 2)
- (IMS10BC 12)
- (IMS18BC12)
- (AZ-101-20°)
- (AZ-76°30')
- (IMSABAM 2)
- (IMSABAN 2)
- (ISCO2D 1½)
- (AD)
- (IMS17BC12)
- (IMS16BC12)
- (IFW02HA12)

Note: Do not use this figure for pipe whip restraint information. Please refer to USAR Attachment B3.6 for accurate information on this subject.

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-105

DRYWELL PIPING PLAN FLOOR
EL. 737'-0"

Note: Do not use this figure for pipe whip restraint information. Please refer to USAR Attachment B3.6 for accurate information on this subject.

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-105

DRYWELL PIPING PLAN FLOOR
EL. 737'-0"

Revision 7
June 1997

The diagram is a detailed piping plan for the drywell at floor level EL. 755'-0". It shows a complex network of pipes, valves, and structural elements. Key components include:

- Structural Elements:** A large curved wall on the left, a vertical wall in the center, and a curved wall on the right. A horizontal line labeled 'AD' runs across the top.
- Piping and Valves:** Numerous pipes are shown with labels such as (IMS14BB 12), (IMS15BB 12), (IMS16BB 12), (IMS17BB 12), (IMS18BB 12), (IMS19BB 12), (IMS20BB 12), (IMS21BB 12), (IMS22BB 12), (IMS23BB 12), (IMS24BB 12), (IMS25BB 12), (IMS26BB 12), (IMS27BB 12), (IMS28BB 12), (IMS29BB 12), (IMS30BB 12), (IMS31BB 12), (IMS32BB 12), (IMS33BB 12), (IMS34BB 12), (IMS35BB 12), (IMS36BB 12), (IMS37BB 12), (IMS38BB 12), (IMS39BB 12), (IMS40BB 12), (IMS41BB 12), (IMS42BB 12), (IMS43BB 12), (IMS44BB 12), (IMS45BB 12), (IMS46BB 12), (IMS47BB 12), (IMS48BB 12), (IMS49BB 12), (IMS50BB 12), (IMS51BB 12), (IMS52BB 12), (IMS53BB 12), (IMS54BB 12), (IMS55BB 12), (IMS56BB 12), (IMS57BB 12), (IMS58BB 12), (IMS59BB 12), (IMS60BB 12), (IMS61BB 12), (IMS62BB 12), (IMS63BB 12), (IMS64BB 12), (IMS65BB 12), (IMS66BB 12), (IMS67BB 12), (IMS68BB 12), (IMS69BB 12), (IMS70BB 12), (IMS71BB 12), (IMS72BB 12), (IMS73BB 12), (IMS74BB 12), (IMS75BB 12), (IMS76BB 12), (IMS77BB 12), (IMS78BB 12), (IMS79BB 12), (IMS80BB 12), (IMS81BB 12), (IMS82BB 12), (IMS83BB 12), (IMS84BB 12), (IMS85BB 12), (IMS86BB 12), (IMS87BB 12), (IMS88BB 12), (IMS89BB 12), (IMS90BB 12), (IMS91BB 12), (IMS92BB 12), (IMS93BB 12), (IMS94BB 12), (IMS95BB 12), (IMS96BB 12), (IMS97BB 12), (IMS98BB 12), (IMS99BB 12), (IMS100BB 12).
- Other Labels:** 'W.P. EL. 755'-7 3/8"', 'W.P. EL. 754'-6"', 'W.P. EL. 752'-9"', 'EL. 762'-11 1/2"', 'EL. 762'-10 1/8"', 'EL. 762'-5 7/8"', 'EL. 762'-3"', 'AZ 150'-20"', 'AZ 206"', 'AZ 185"', 'FW-R20', 'FW-R21', 'IC41FO08', 'IC41FO07', 'IC41FO06', 'IC41FO05', 'IC41FO04', 'IC41FO03', 'IC41FO02', 'IC41FO01', 'IC41FO00', 'IC41FO09', 'IC41FO10', 'IC41FO11', 'IC41FO12', 'IC41FO13', 'IC41FO14', 'IC41FO15', 'IC41FO16', 'IC41FO17', 'IC41FO18', 'IC41FO19', 'IC41FO20', 'IC41FO21', 'IC41FO22', 'IC41FO23', 'IC41FO24', 'IC41FO25', 'IC41FO26', 'IC41FO27', 'IC41FO28', 'IC41FO29', 'IC41FO30', 'IC41FO31', 'IC41FO32', 'IC41FO33', 'IC41FO34', 'IC41FO35', 'IC41FO36', 'IC41FO37', 'IC41FO38', 'IC41FO39', 'IC41FO40', 'IC41FO41', 'IC41FO42', 'IC41FO43', 'IC41FO44', 'IC41FO45', 'IC41FO46', 'IC41FO47', 'IC41FO48', 'IC41FO49', 'IC41FO50', 'IC41FO51', 'IC41FO52', 'IC41FO53', 'IC41FO54', 'IC41FO55', 'IC41FO56', 'IC41FO57', 'IC41FO58', 'IC41FO59', 'IC41FO60', 'IC41FO61', 'IC41FO62', 'IC41FO63', 'IC41FO64', 'IC41FO65', 'IC41FO66', 'IC41FO67', 'IC41FO68', 'IC41FO69', 'IC41FO70', 'IC41FO71', 'IC41FO72', 'IC41FO73', 'IC41FO74', 'IC41FO75', 'IC41FO76', 'IC41FO77', 'IC41FO78', 'IC41FO79', 'IC41FO80', 'IC41FO81', 'IC41FO82', 'IC41FO83', 'IC41FO84', 'IC41FO85', 'IC41FO86', 'IC41FO87', 'IC41FO88', 'IC41FO89', 'IC41FO90', 'IC41FO91', 'IC41FO92', 'IC41FO93', 'IC41FO94', 'IC41FO95', 'IC41FO96', 'IC41FO97', 'IC41FO98', 'IC41FO99', 'IC41FO100'.

Note: Do not use this figure for pipe whip restraint information. Please refer to USAR Attachment B3.6 for accurate information on this subject.

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-107

DRYWELL PIPING PLAN FLOOR
EL. 755'-0"

Note: Do not use this figure for pipe whip restraint information. Please refer to USAR Attachment B3.6 for accurate information on this subject.

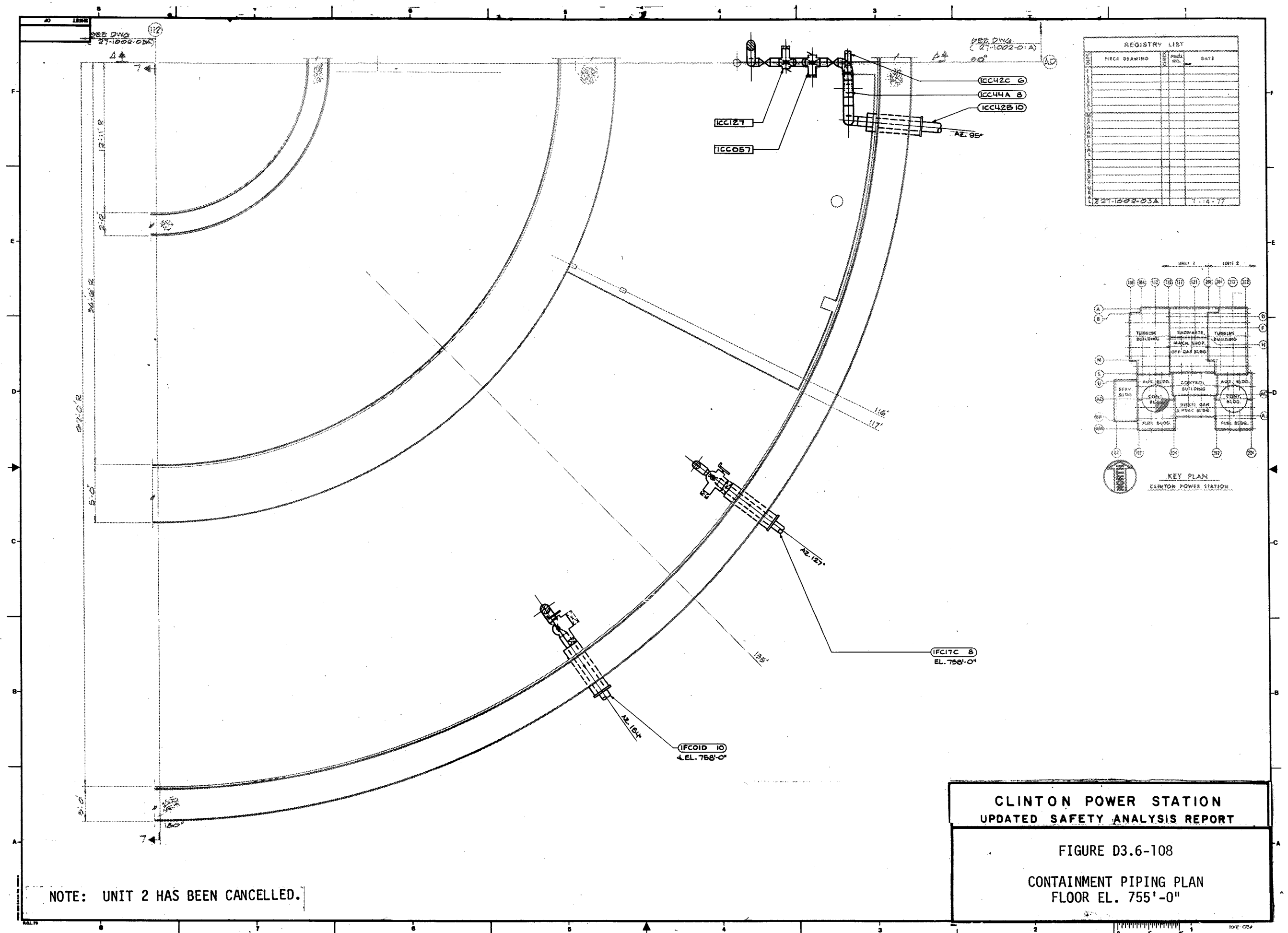
CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-107

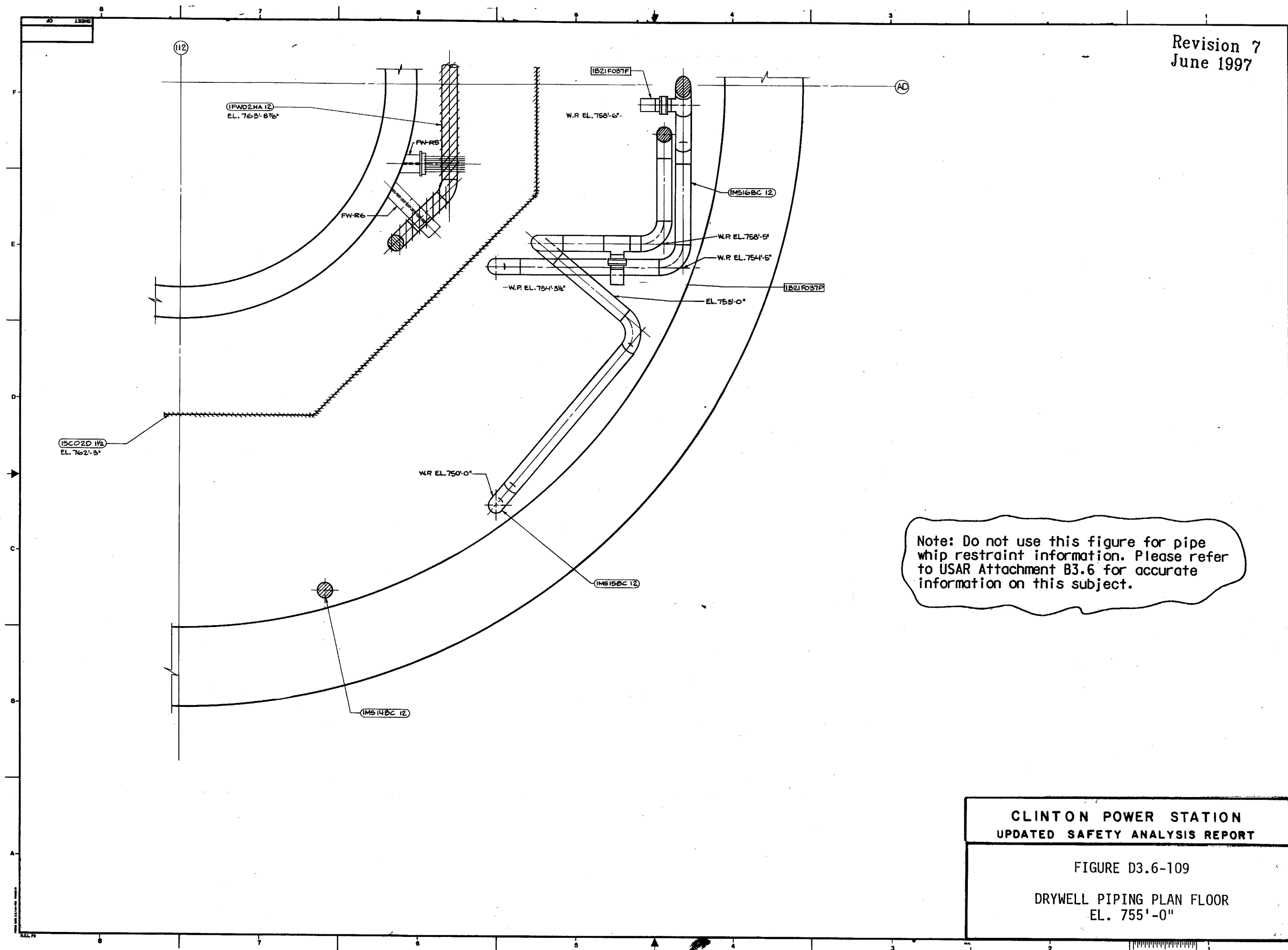
DRYWELL PIPING PLAN FLOOR
EL. 755'-0"

FIGURE D3.6-107

DRYWELL PIPING PLAN FLOOR
EL. 755'-0"



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June 1997



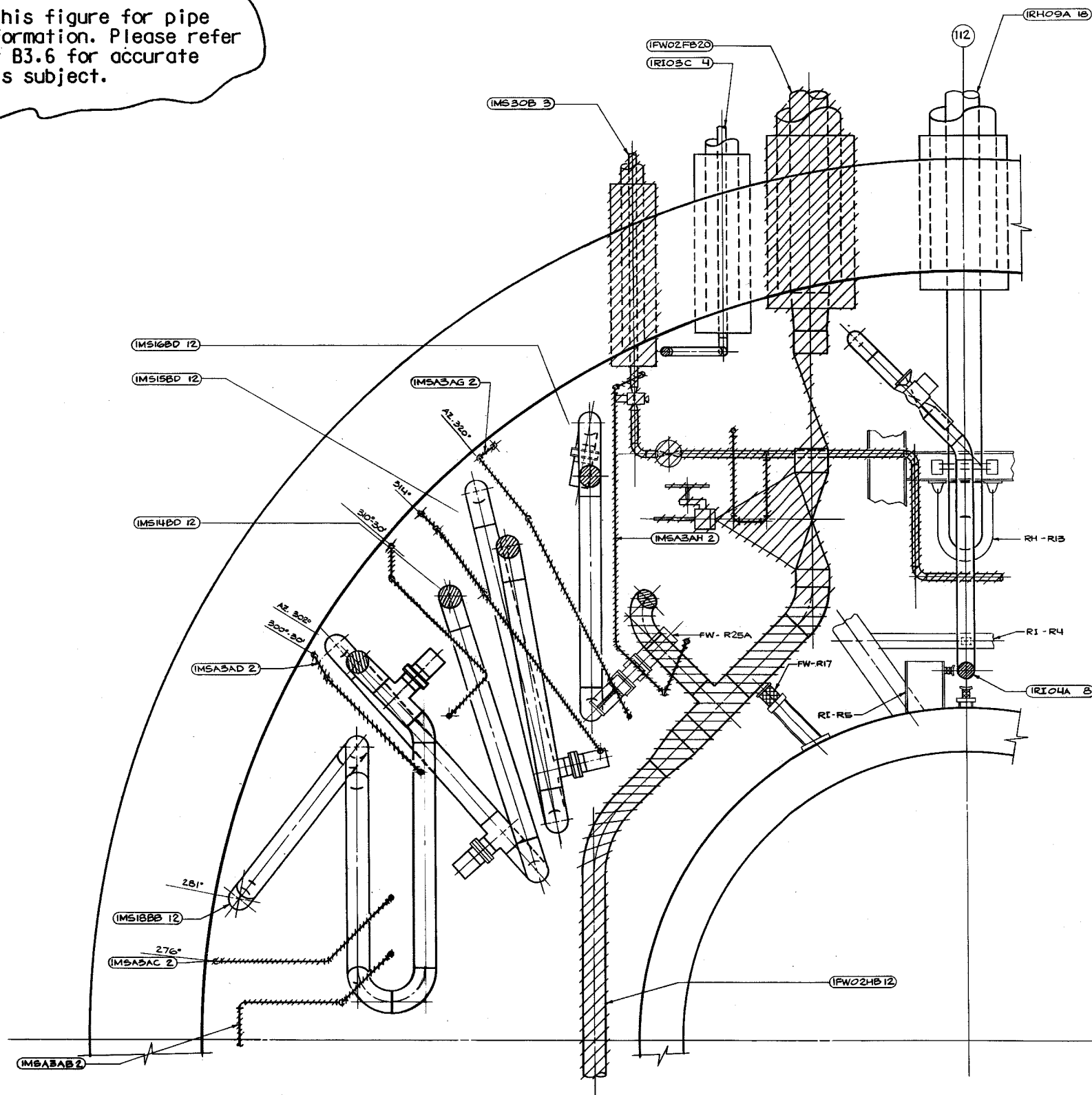
Note: Do not use this figure for pipe whip restraint information. Please refer to USAR Attachment B3.6 for accurate information on this subject.

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-109

DRYWELL PIPING PLAN FLOOR
EL. 755'-0"

Note: Do not use this figure for pipe whip restraint information. Please refer to USAR Attachment B3.6 for accurate information on this subject.



DRYWELL PIPING PLAN FLOOR
EL. 755'-0"

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Note: Do not use this figure for pipe whip restraint information. Please refer to USAR Attachment B3.6 for accurate information on this subject.

The diagram is a technical drawing of the Drywell Piping Plan Floor at EL. 764'-0". It shows a complex network of pipes, valves, and structural elements. Key components and labels include:

- Structural Elements:** Two large vertical cylindrical structures on the left, and a large curved structural member on the right.
- Piping and Valves:**
 - MS R16, MS R24, MS R26, MS R27, MS R8
 - LP-R4, LP-R4A
 - ILP02PB 10
 - IRH03CA12
 - IMS01AA 24
 - IMS01AC 24
 - IMS01AA 10
 - IMS14AA 10
 - IMS03AR 2
 - IMS19AC 10
 - IMS03AQ 2
 - IMS18AC 10
 - IMG05BA 6
 - ISC02D 1 1/2
 - IMS17AC 10
 - IMS03AP 2
 - IMS16AC 10
 - IMS03AN 2
 - IMS15AC 10
 - IMS03AM 2
 - IMS14AC 10
 - IMS03AL 2
 - IMS16BC 10
- Other Labels:**
 - IMS03AK 2
 - IMS03AJ 2
 - AD
 - 112

**CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT**

FIGURE D3.6-113

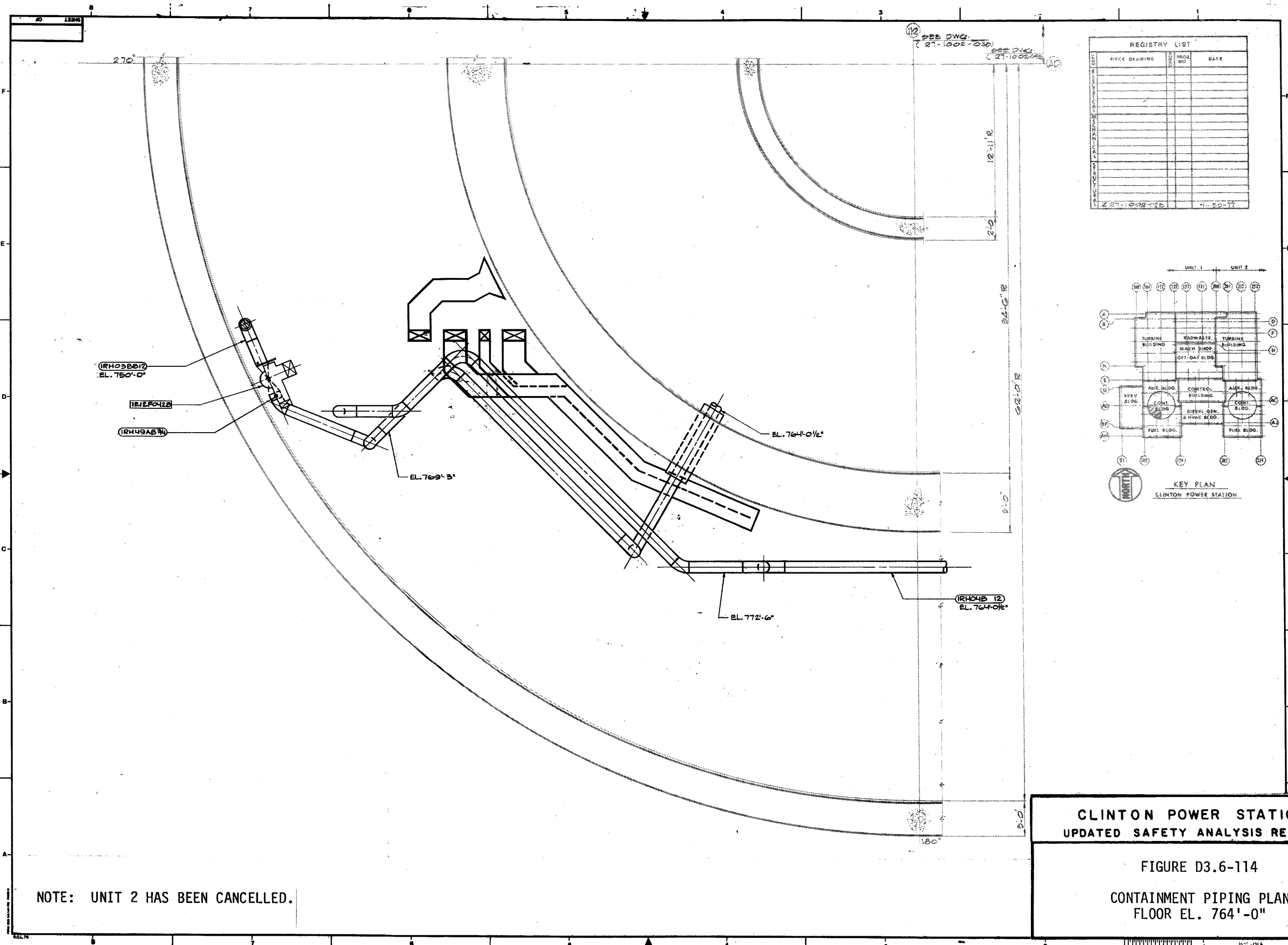
**DRYWELL PIPING PLAN FLOOR
EL. 764'-0"**

Note: Do not use this figure for pipe whip restraint information. Please refer to USAR Attachment B3.6 for accurate information on this subject.

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-113

DRYWELL PIPING PLAN FLOOR
EL. 764'-0"

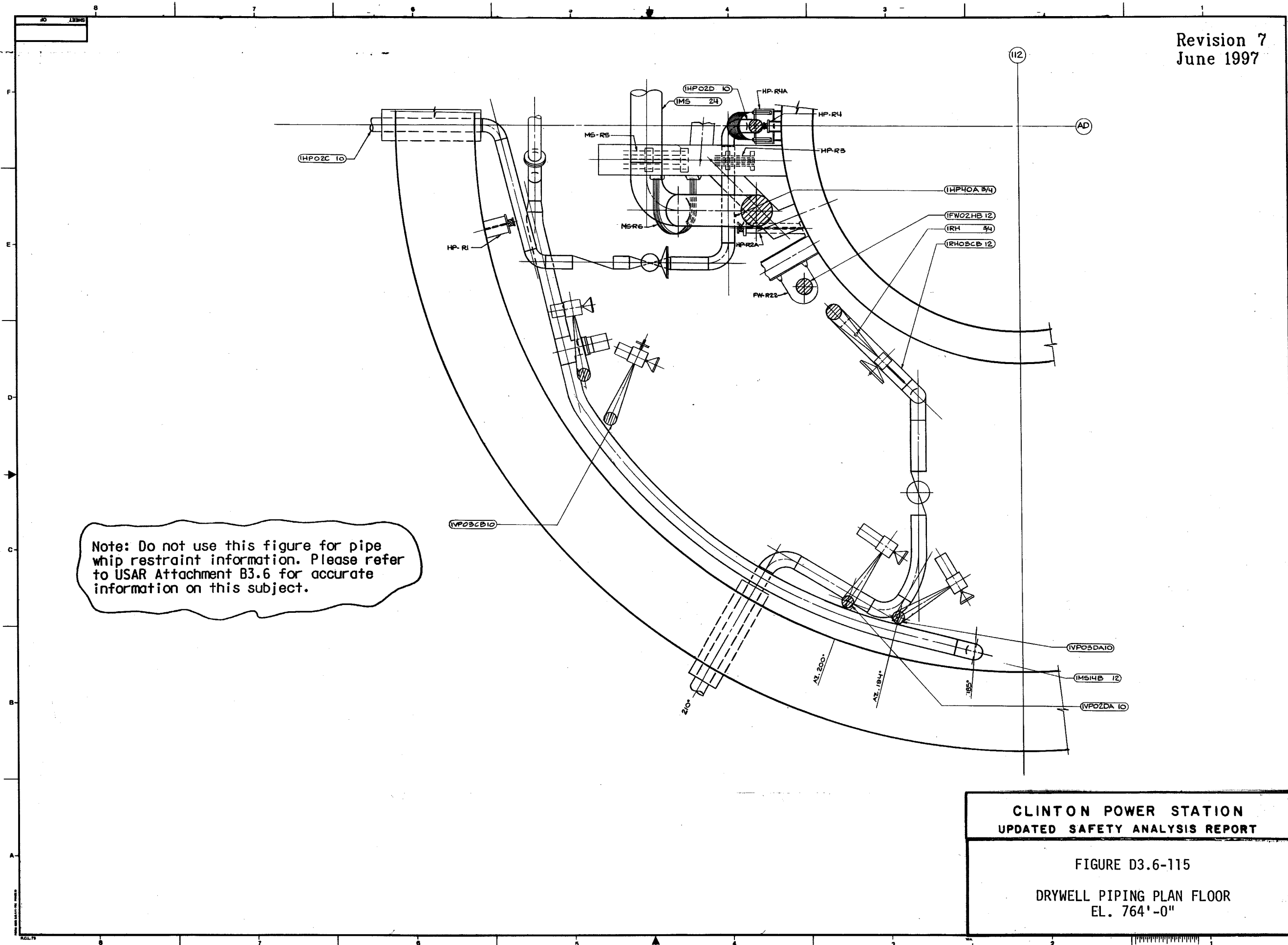


**CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT**

FIGURE D3.6-114

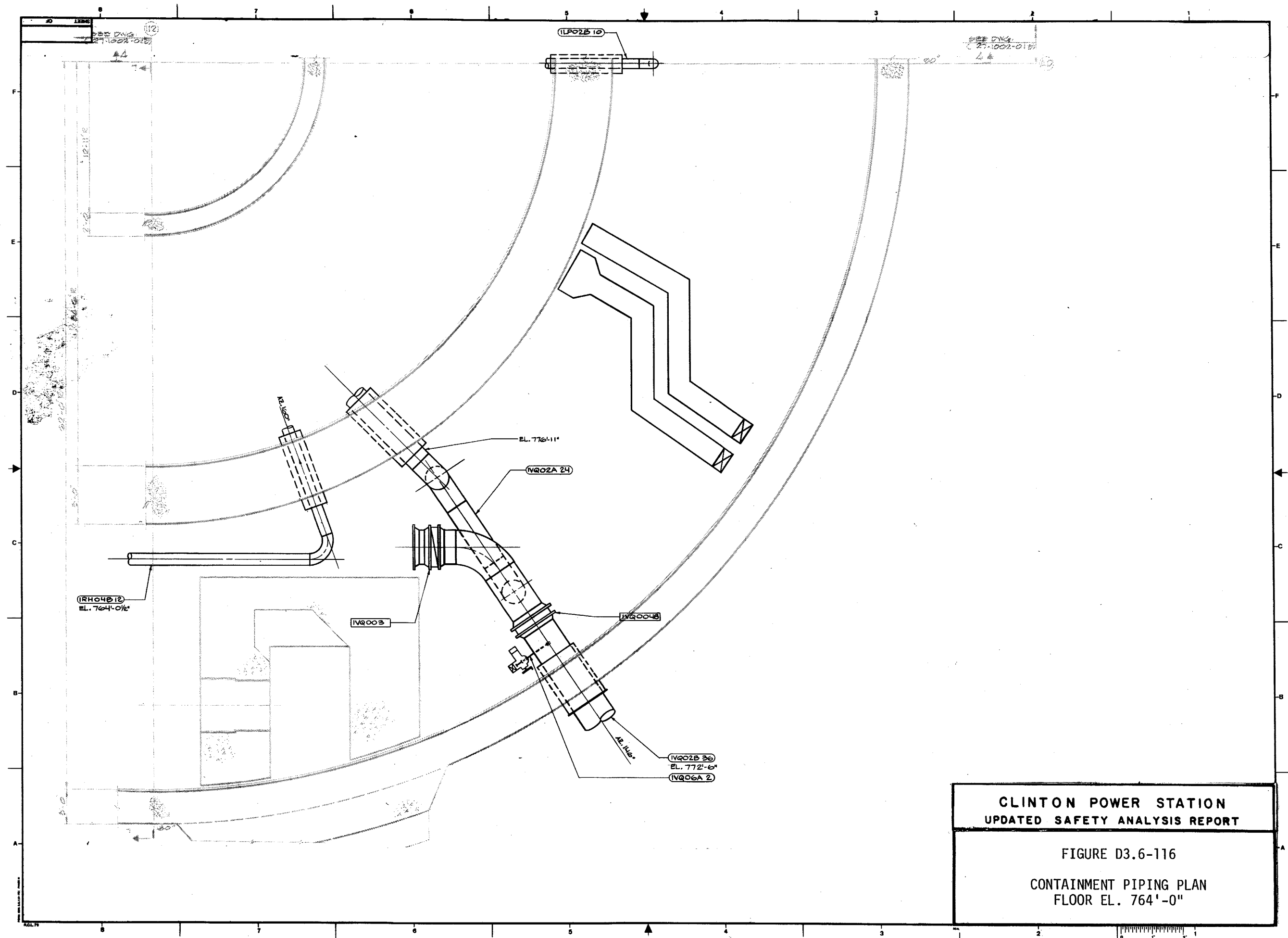
**CONTAINMENT PIPING PLAN
FLOOR EL. 764'-0"**

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June 1997

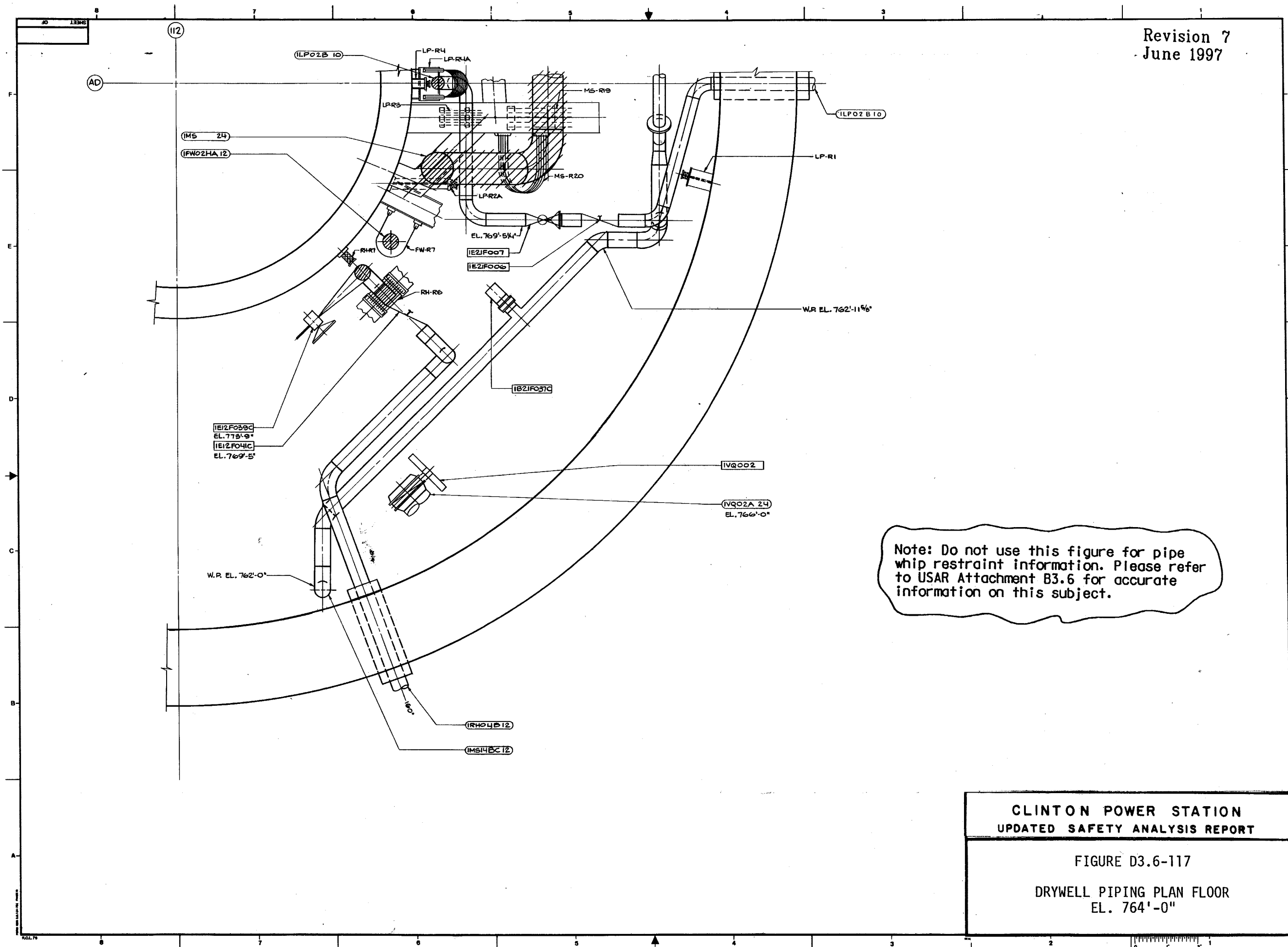


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FIGURE D3.6-115
DRYWELL PIPING PLAN FLOOR
EL. 764'-0"



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Note: Do not use this figure for pipe whip restraint information. Please refer to USAR Attachment B3.6 for accurate information on this subject.

CLINTON POWER STATION
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FIGURE D3.6-117

DRYWELL PIPING PLAN FLOOR
EL. 764'-0"

[illegible]

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-119

DRYWELL PIPING PLAN FLOOR
EL. 764'-0"

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

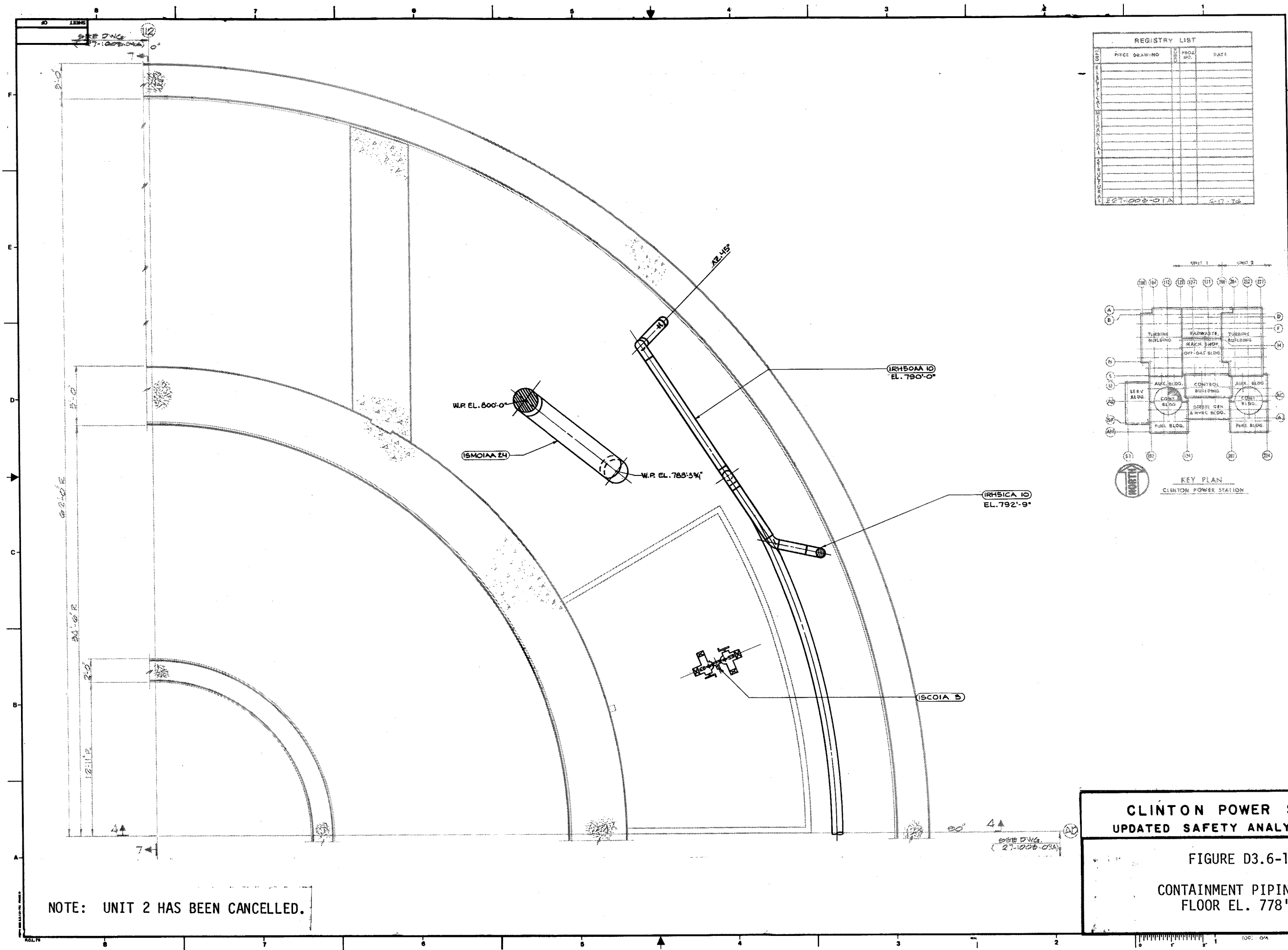
FIGURE D3.6-119

DRYWELL PIPING PLAN FLOOR
EL. 764'-0"

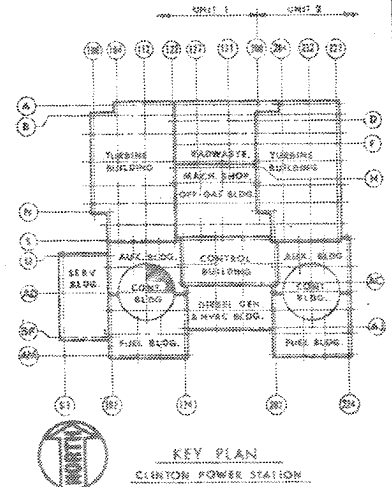
CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-119

DRYWELL PIPING PLAN FLOOR
EL. 764'-0"



REGISTRY LIST			
ITEM	PIECE DESCRIPTION	PROJ. NO.	DATE
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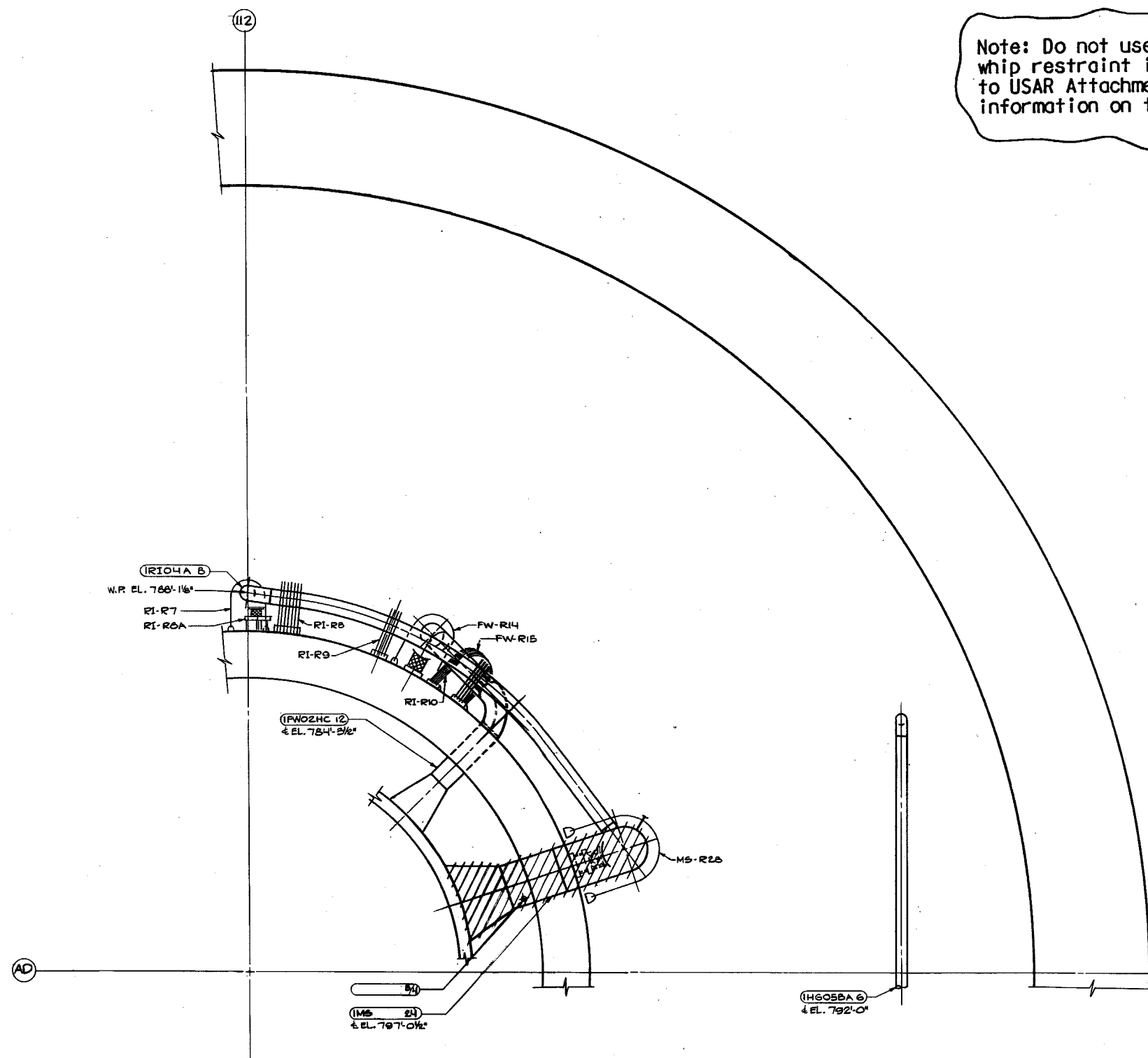
NOTE: UNIT 2 HAS BEEN CANCELLED.

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-120
CONTAINMENT PIPING PLAN
FLOOR EL. 778'-0"

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Note: Do not use this figure for pipe
whip restraint information. Please refer
to USAR Attachment B3.6 for accurate
information on this subject.

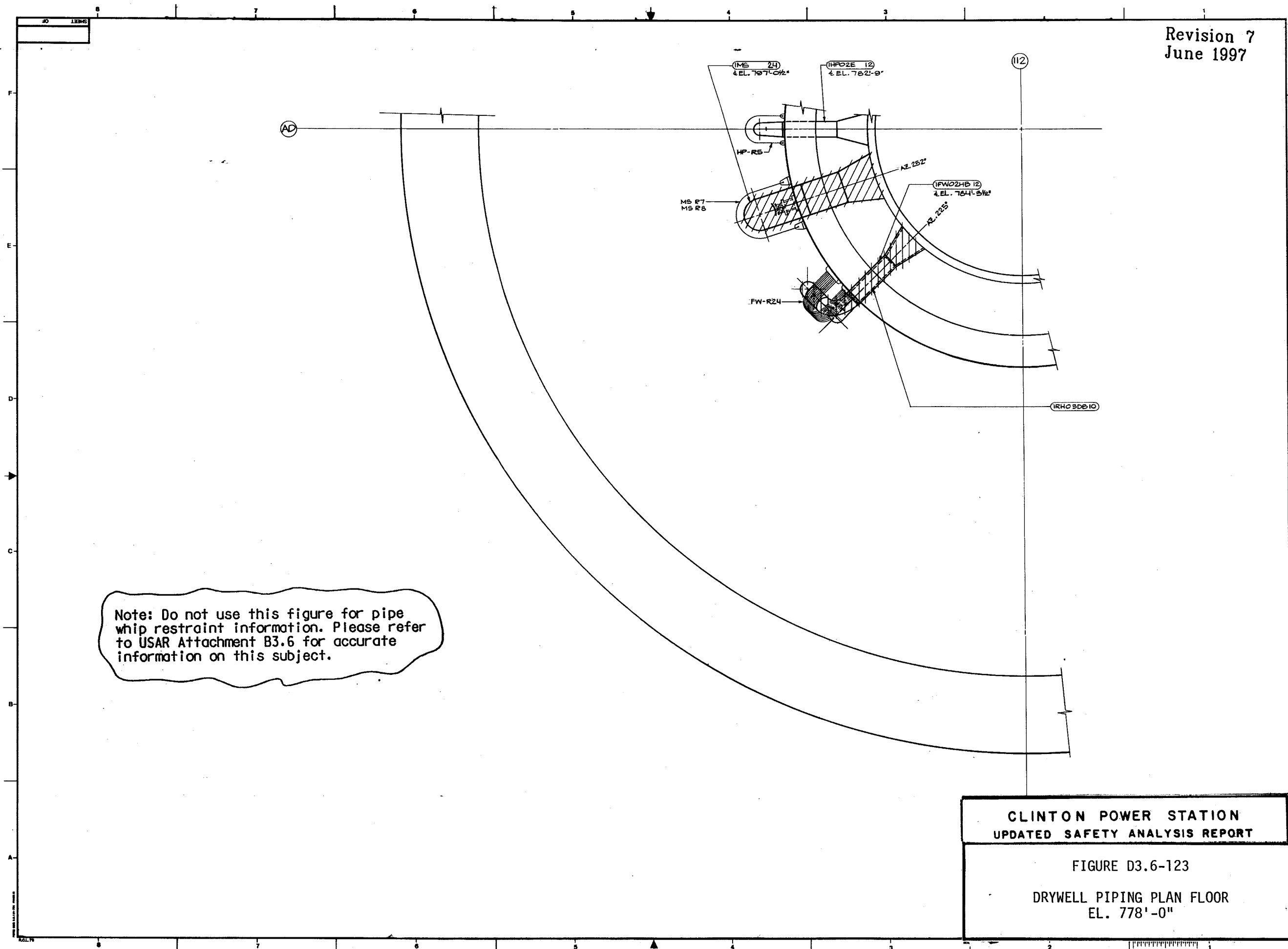


CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

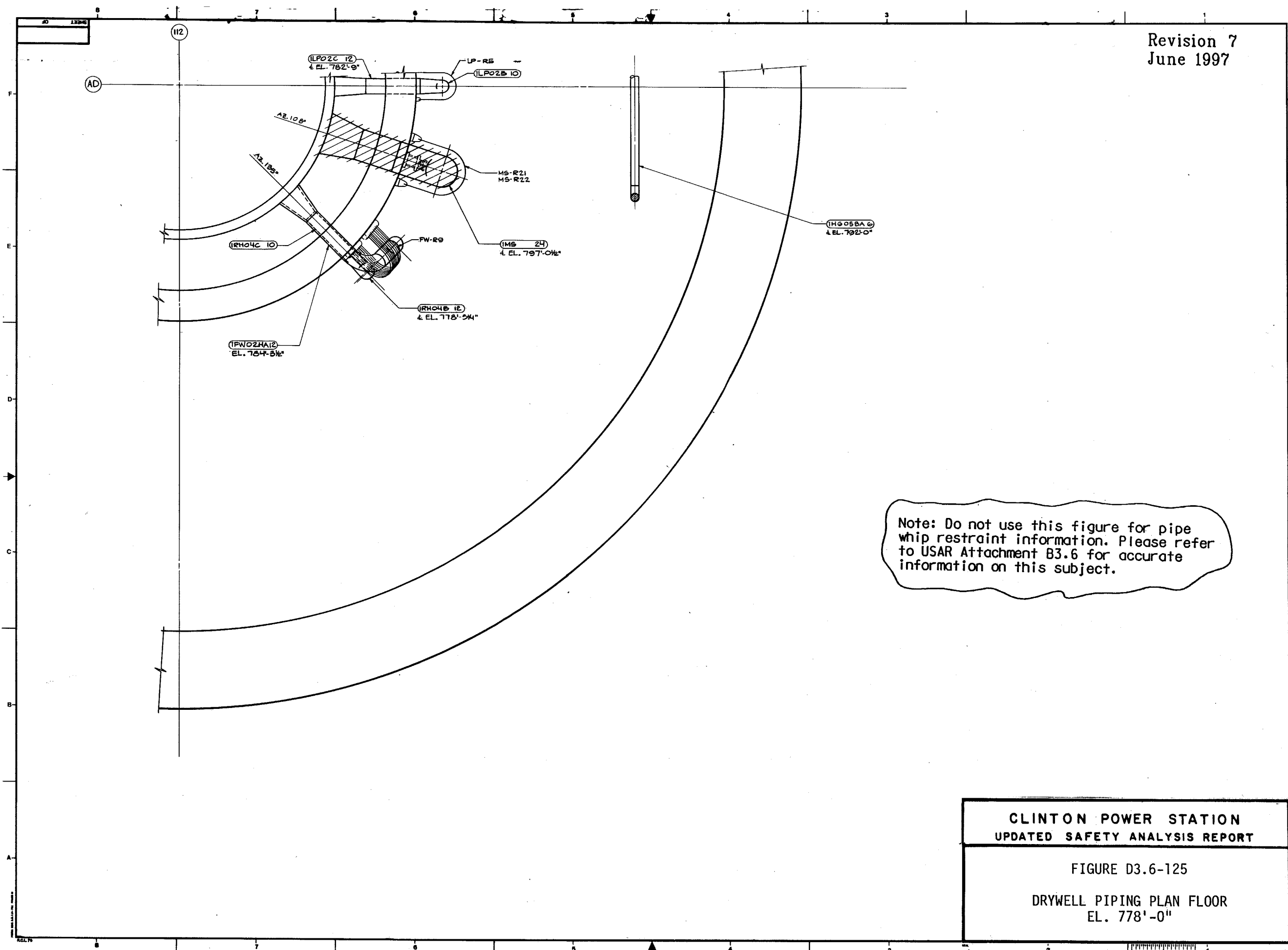
FIGURE D3.6-121

DRYWELL PIPING PLAN FLOOR
EL. 778'-0"

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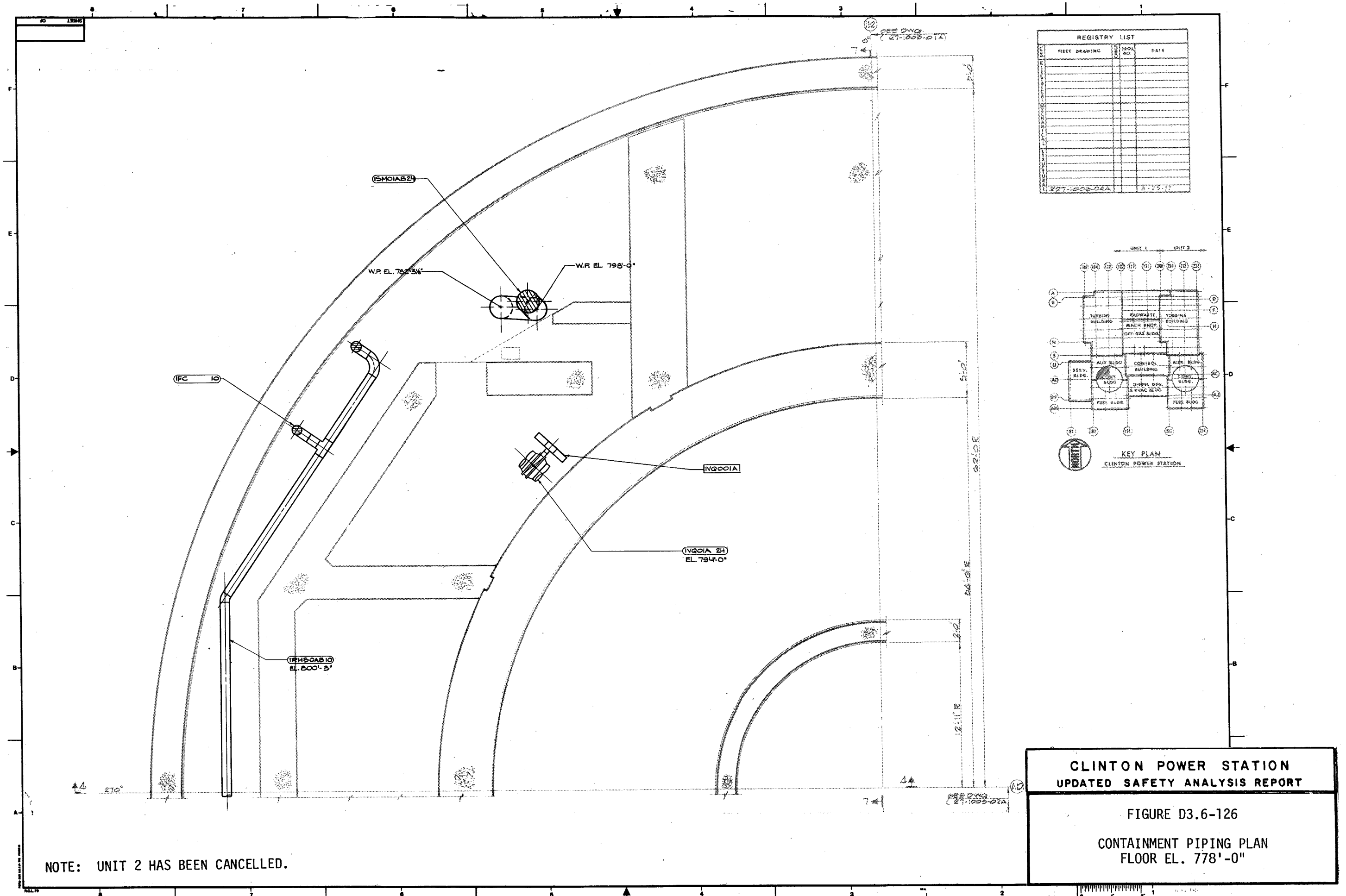


Note: Do not use this figure for pipe whip restraint information. Please refer to USAR Attachment B3.6 for accurate information on this subject.

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

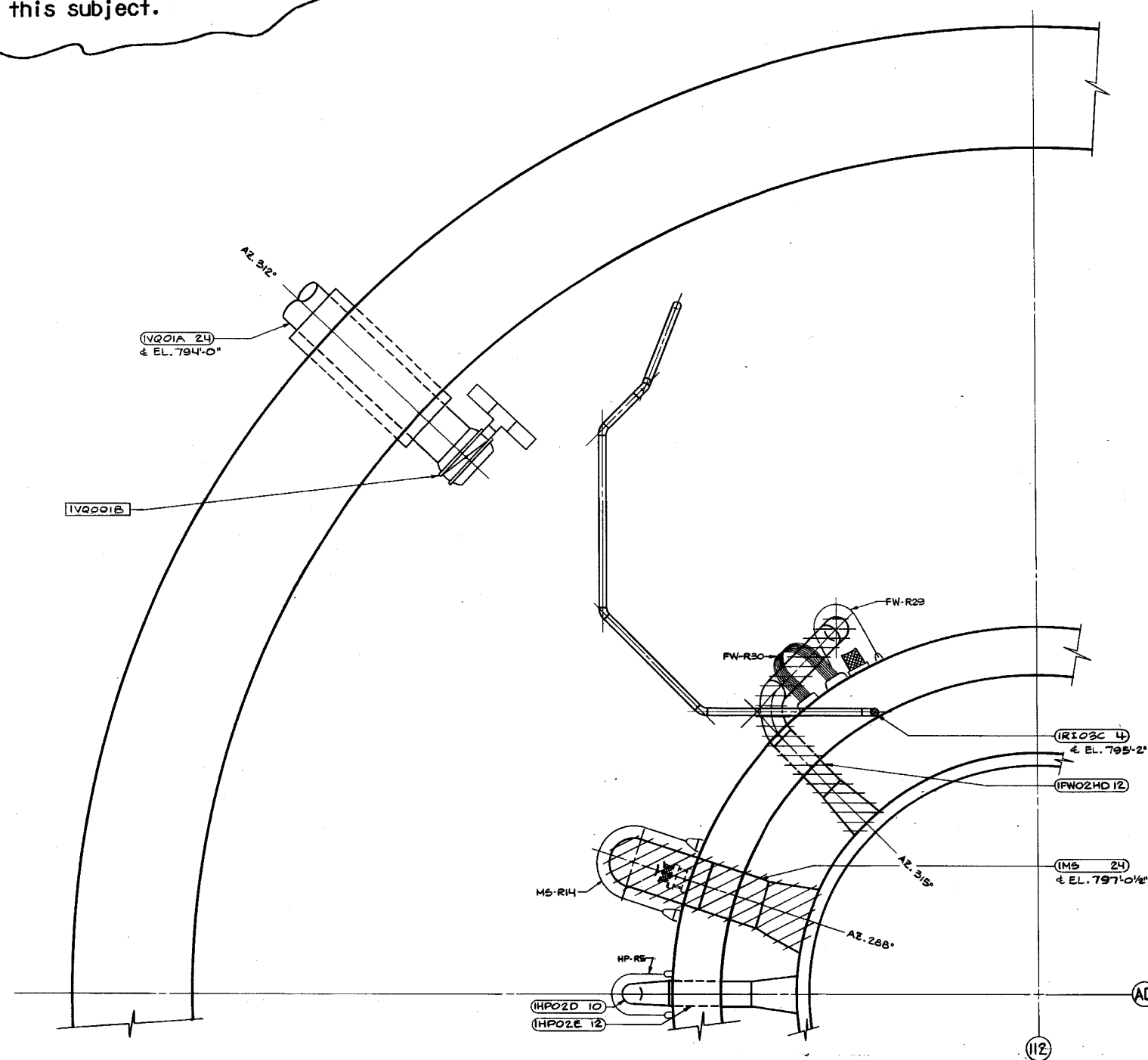
FIGURE D3.6-125

DRYWELL PIPING PLAN FLOOR
EL. 778'-0"



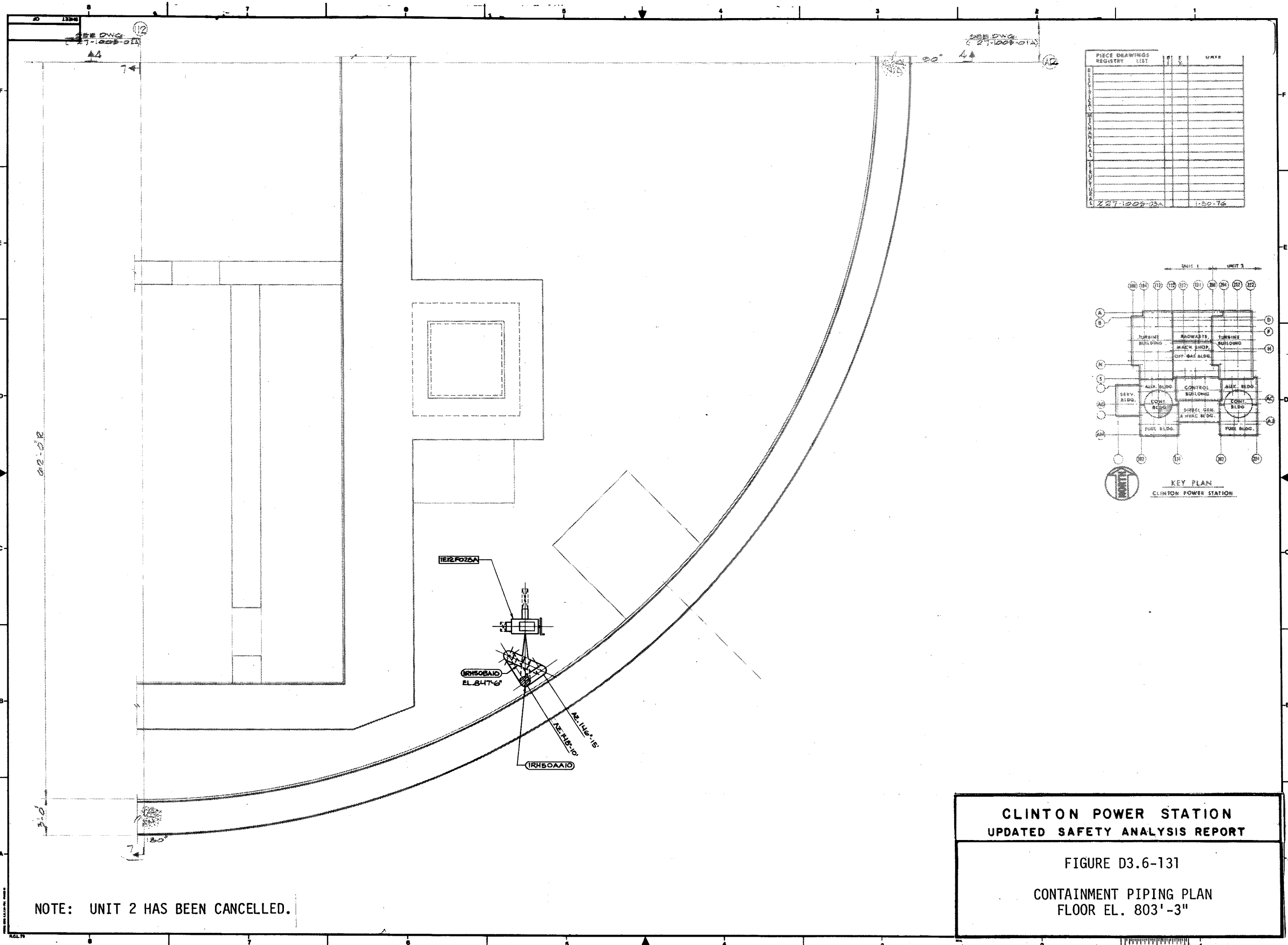
Revision 7
June 1997

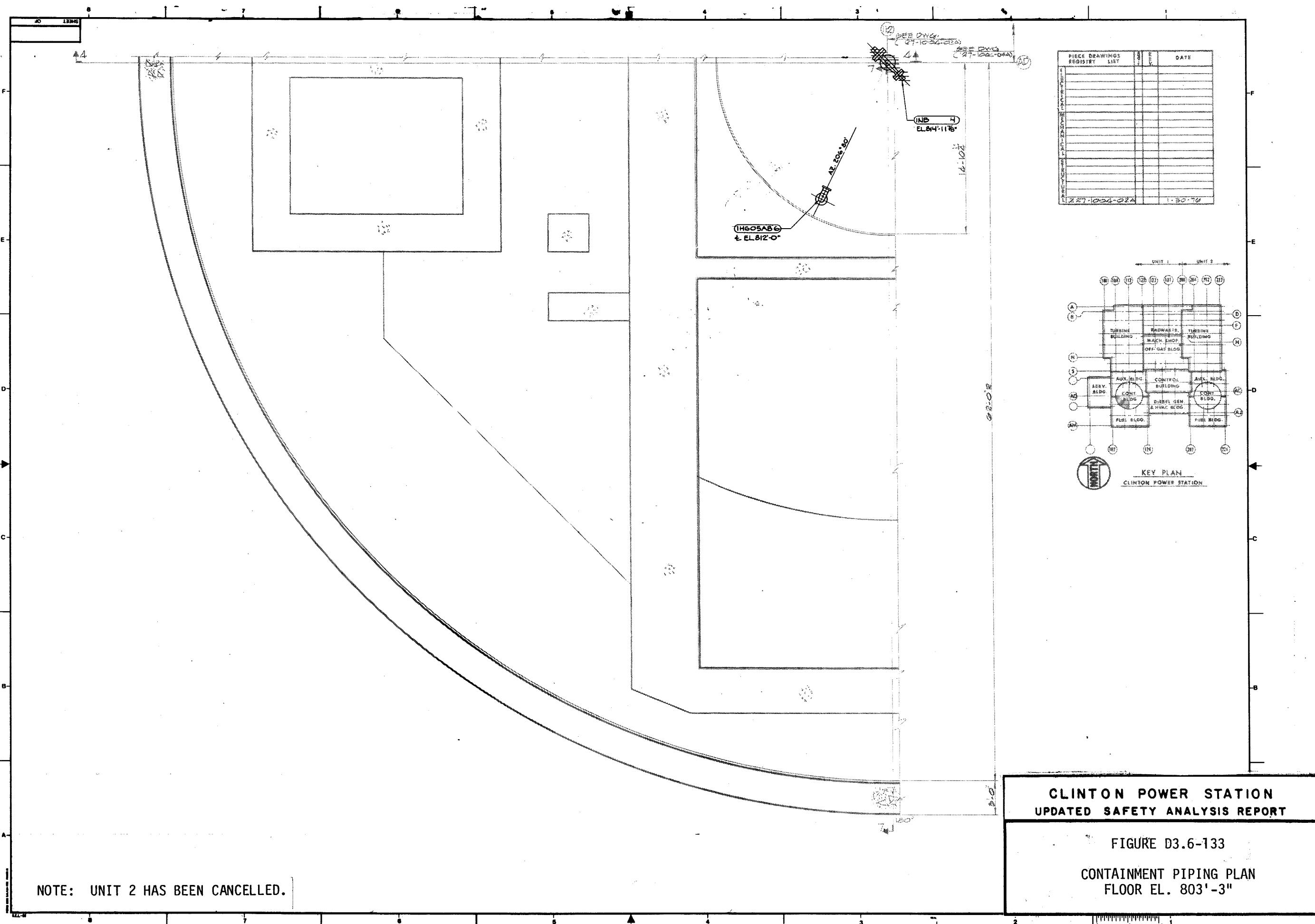
Note: Do not use this figure for pipe
whip restraint information. Please refer
to USAR Attachment B3.6 for accurate
information on this subject.

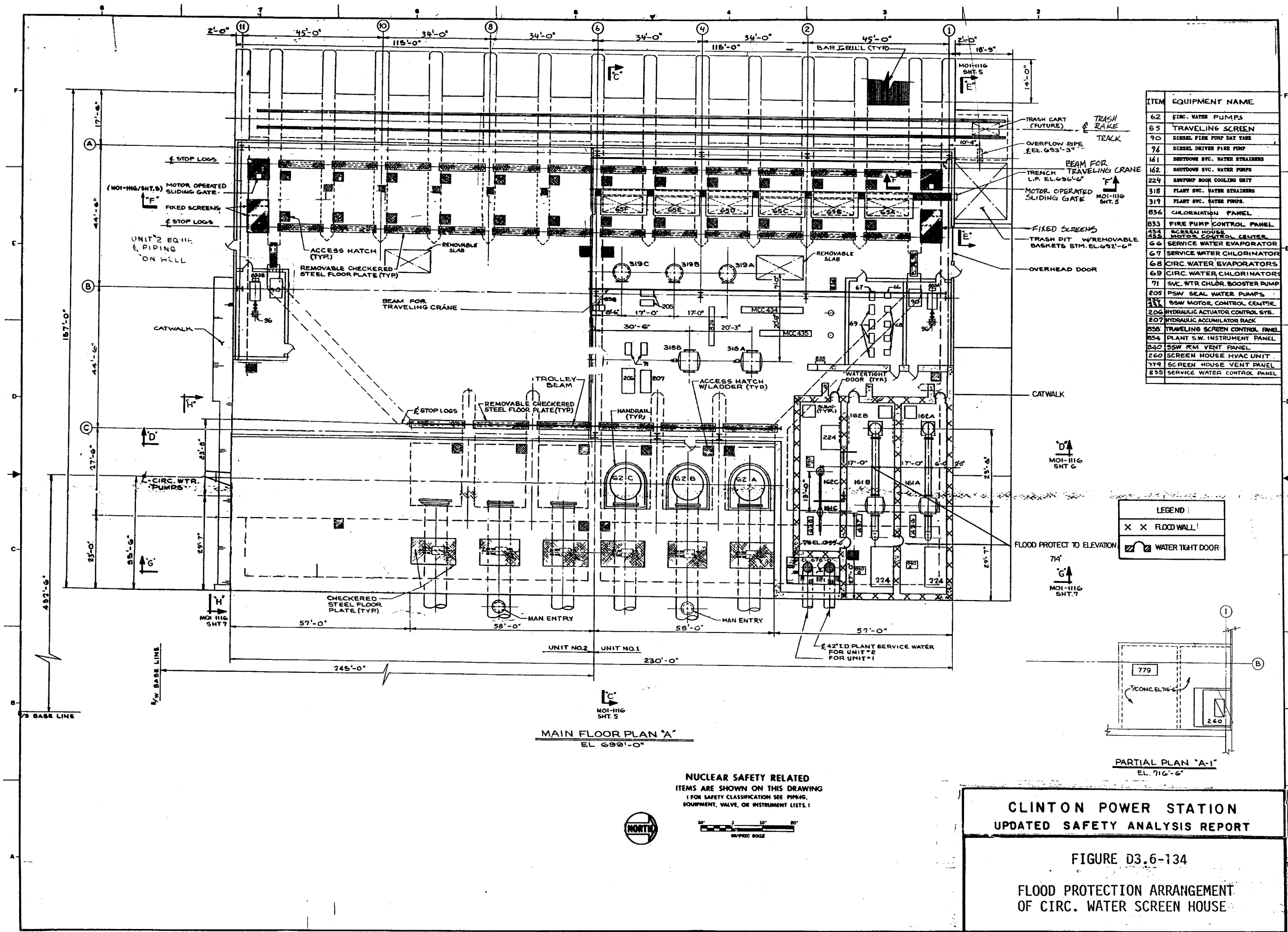


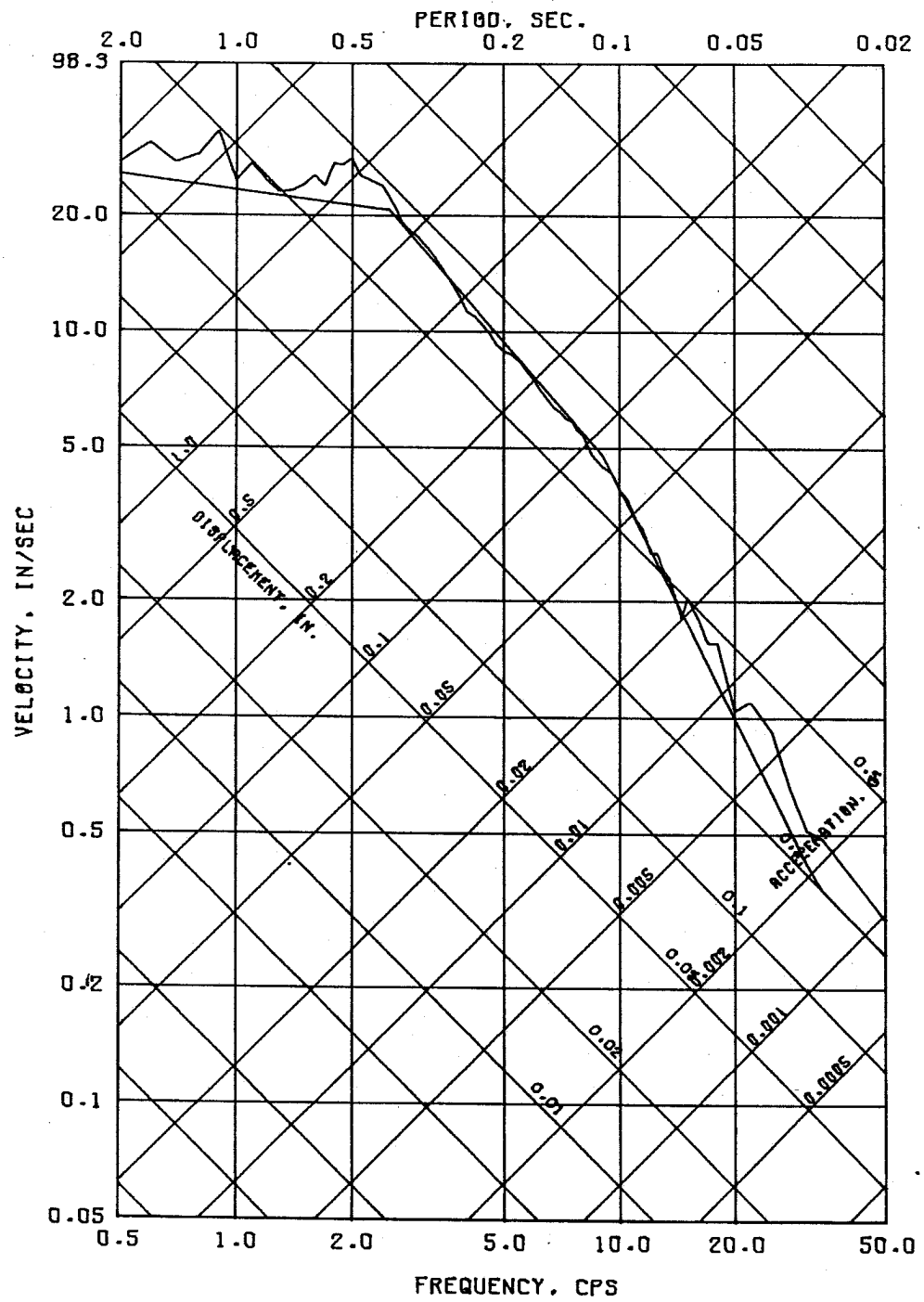
CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-127
DRYWELL PIPING PLAN FLOOR
EL. 778'-0"







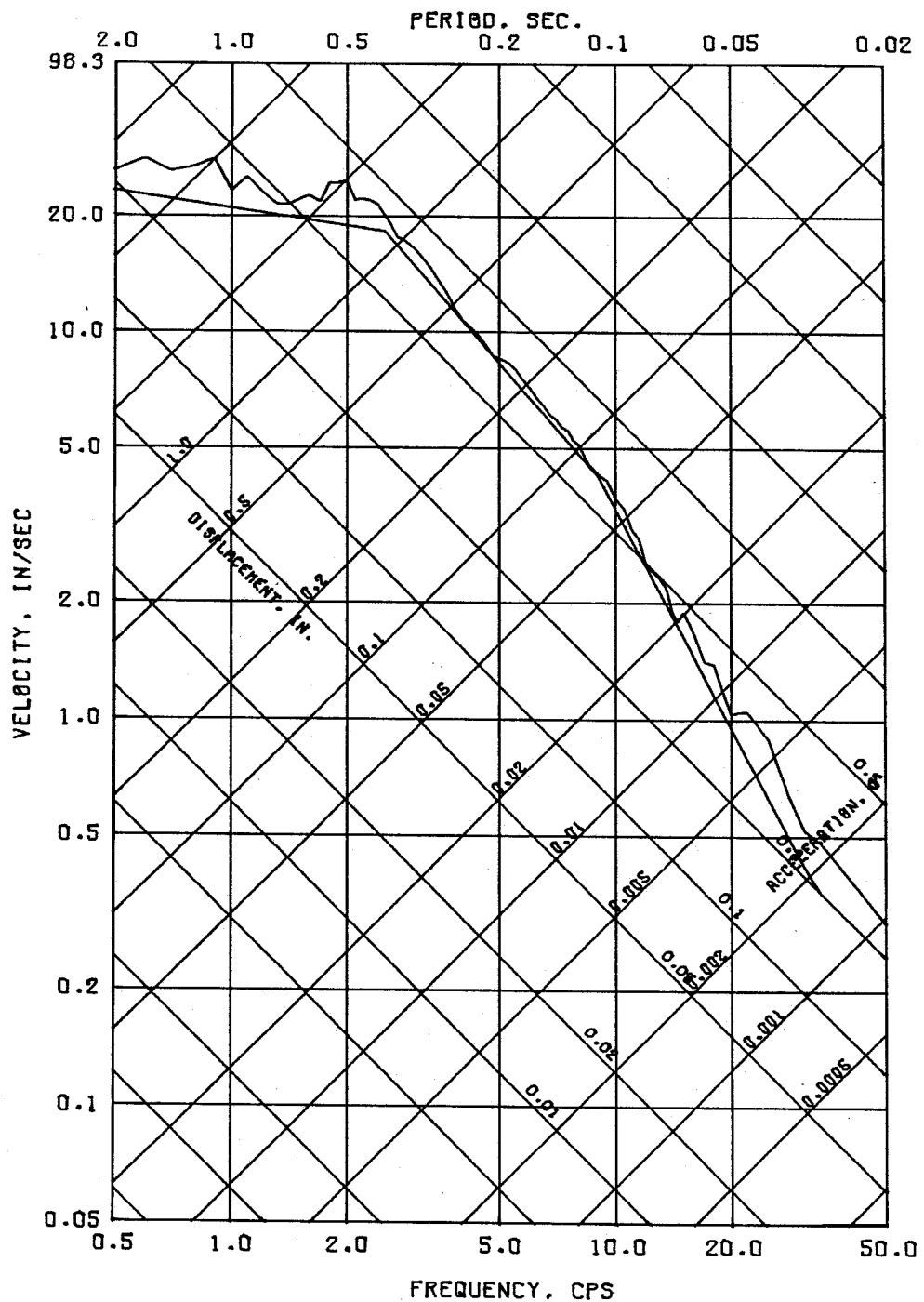


SLH MATCH WITH HORIZ R.G. SPEC 2 PER DAMP

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-1

HORIZONTAL RESPONSE SPECTRA
(2% DAMPING)

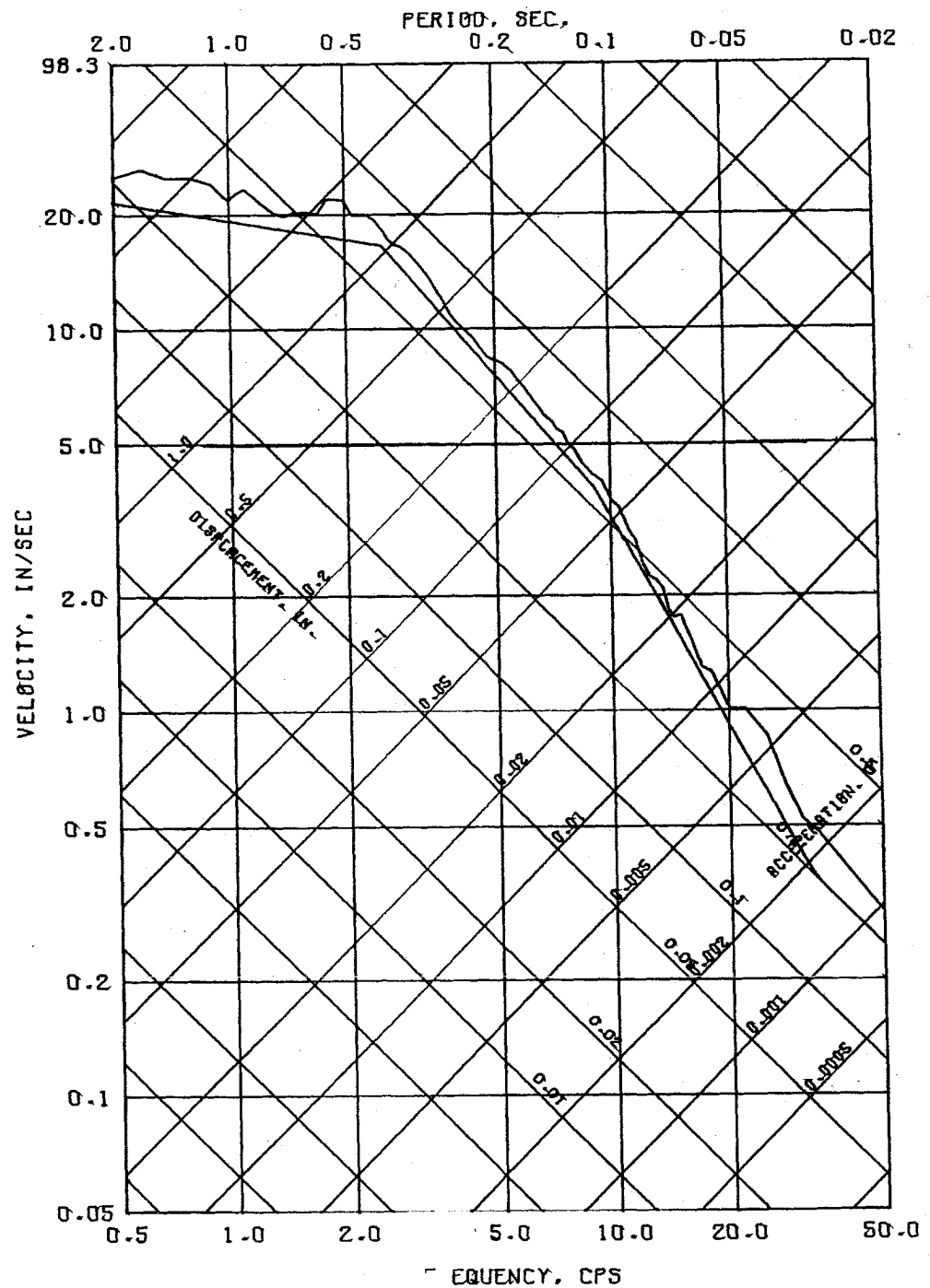


SLH MATCH WITH HORIZ R.G. SPEC 3 PER DAMP

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-2

HORIZONTAL RESPONSE SPECTRA
(3% DAMPING).

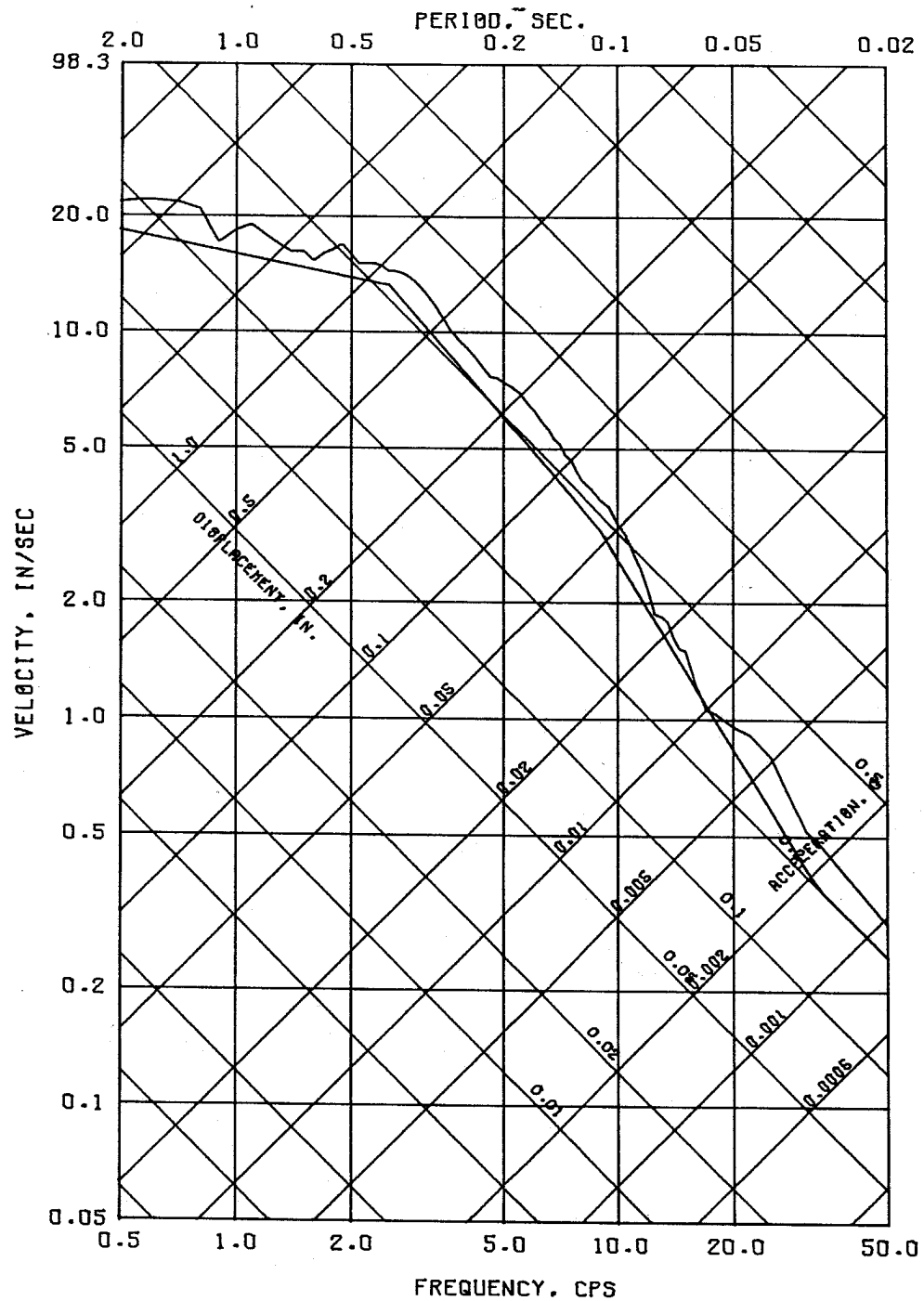


SLH MATCH WITH HORIZ R.G. SPEC 4 PER DAMP

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-3

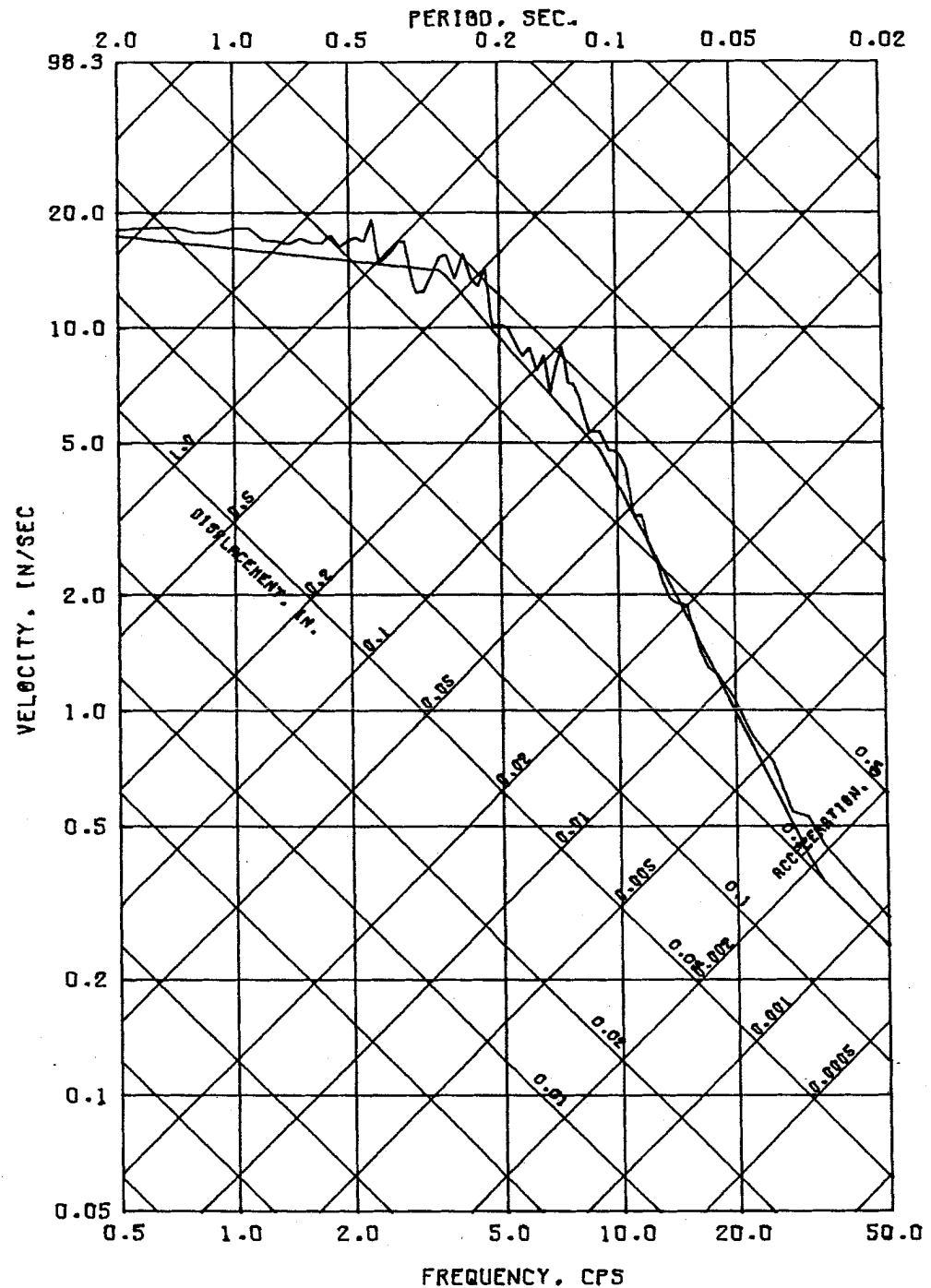
HORIZONTAL RESPONSE SPECTRA
(4% DAMPING)



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

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-5
HORIZONTAL RESPONSE SPECTRA
(7% DAMPING)

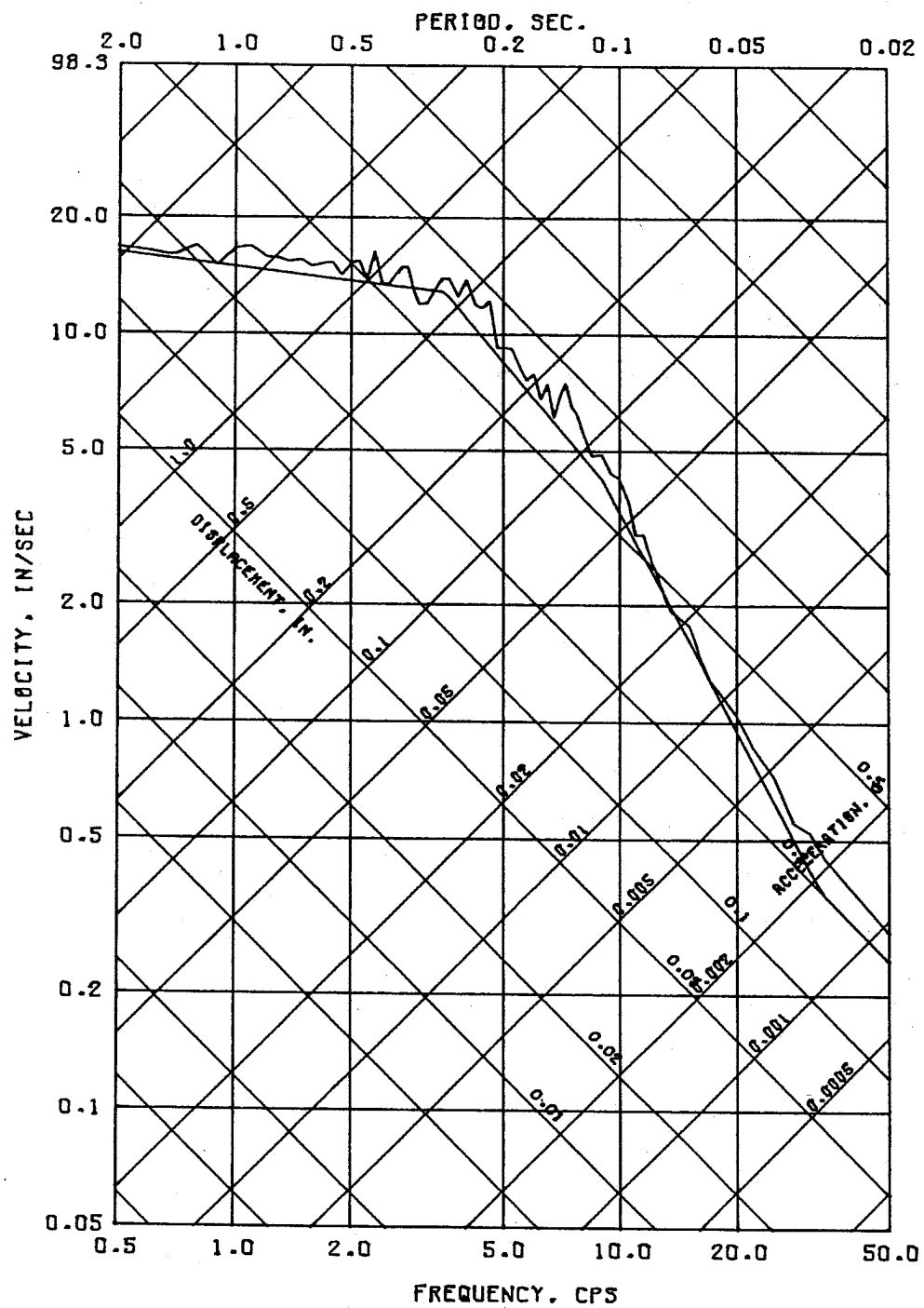


SLV MATCH WITH VERT R.G. SPEC 2 PER DAMP

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-6

VERTICAL RESPONSE SPECTRA
(2% DAMPING)

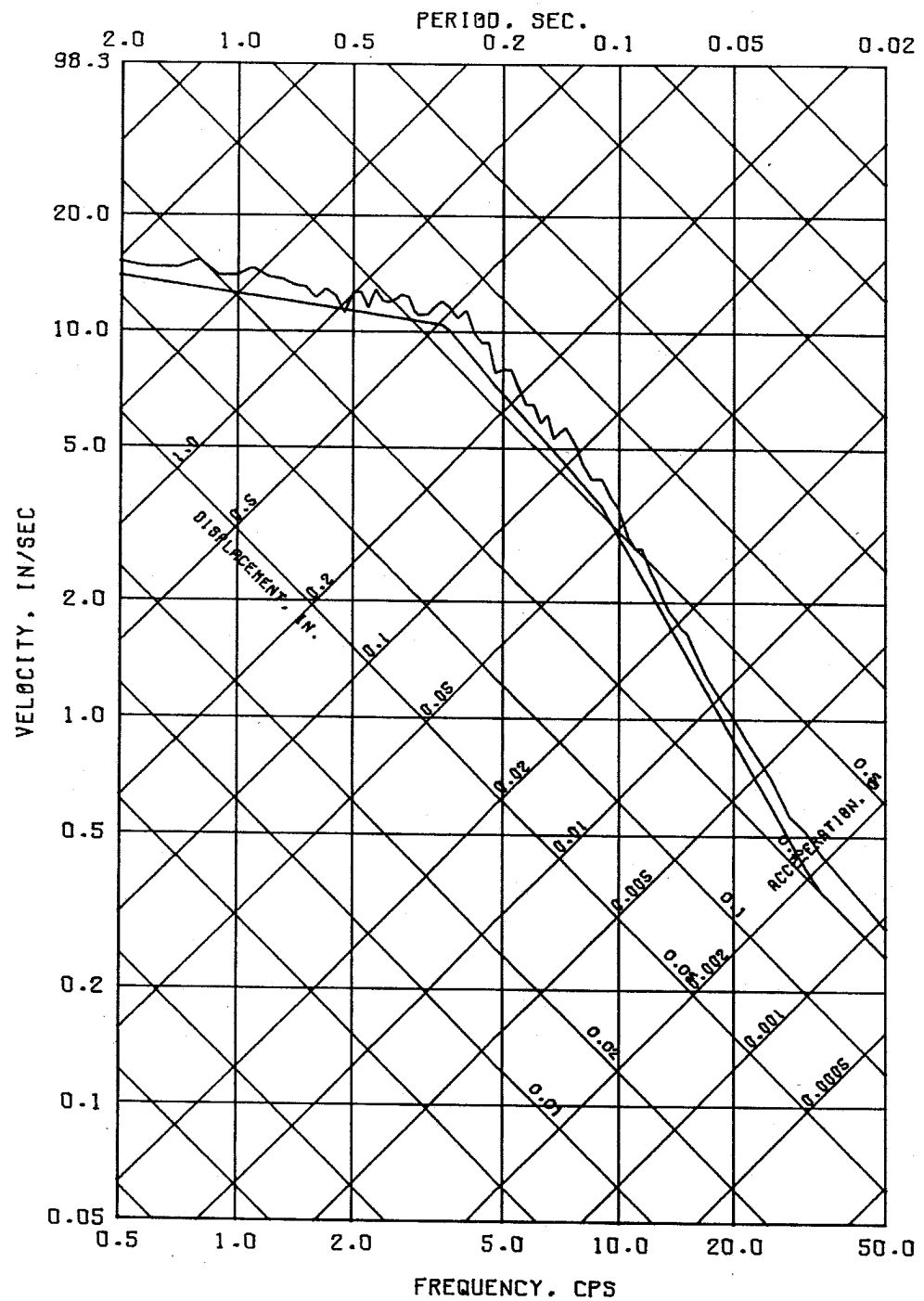


SLV MATCH WITH VERT R.G. SPEC 3 PER DAMP

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

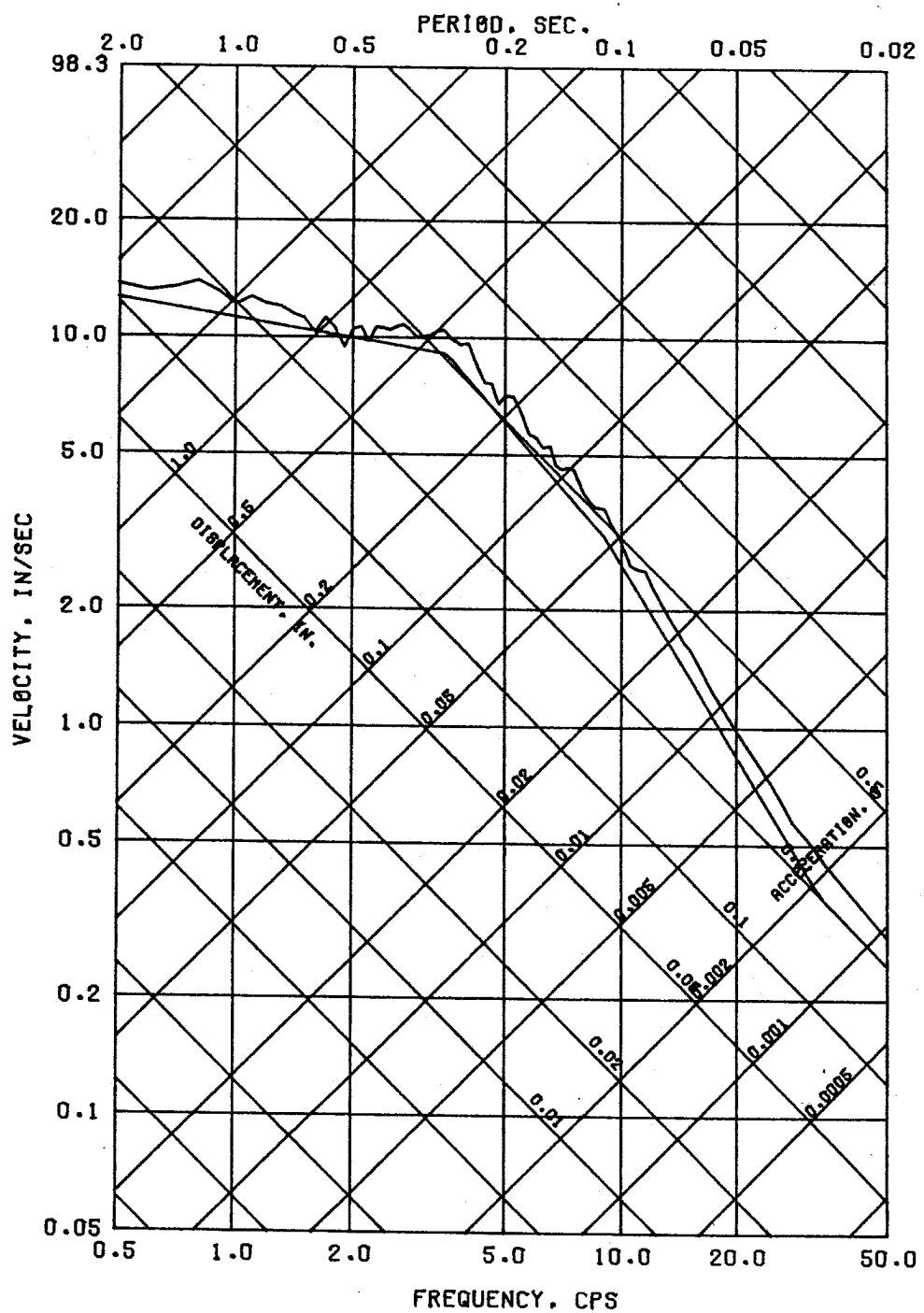
FIGURE 3.7-7

VERTICAL RESPONSE SPECTRA
(3% DAMPING)



CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

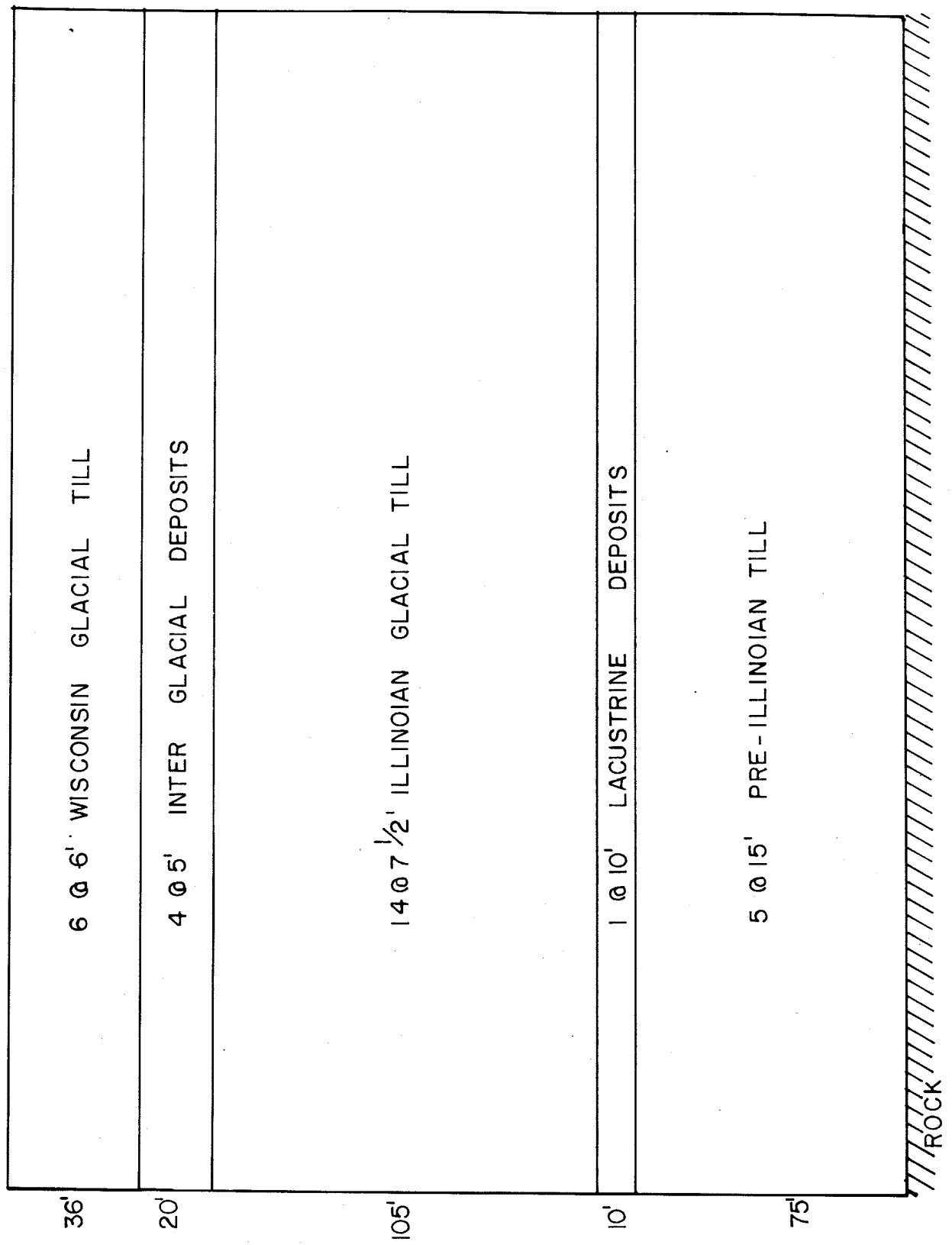
FIGURE 3.7-9
VERTICAL RESPONSE SPECTRA
(5% DAMPING)



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

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

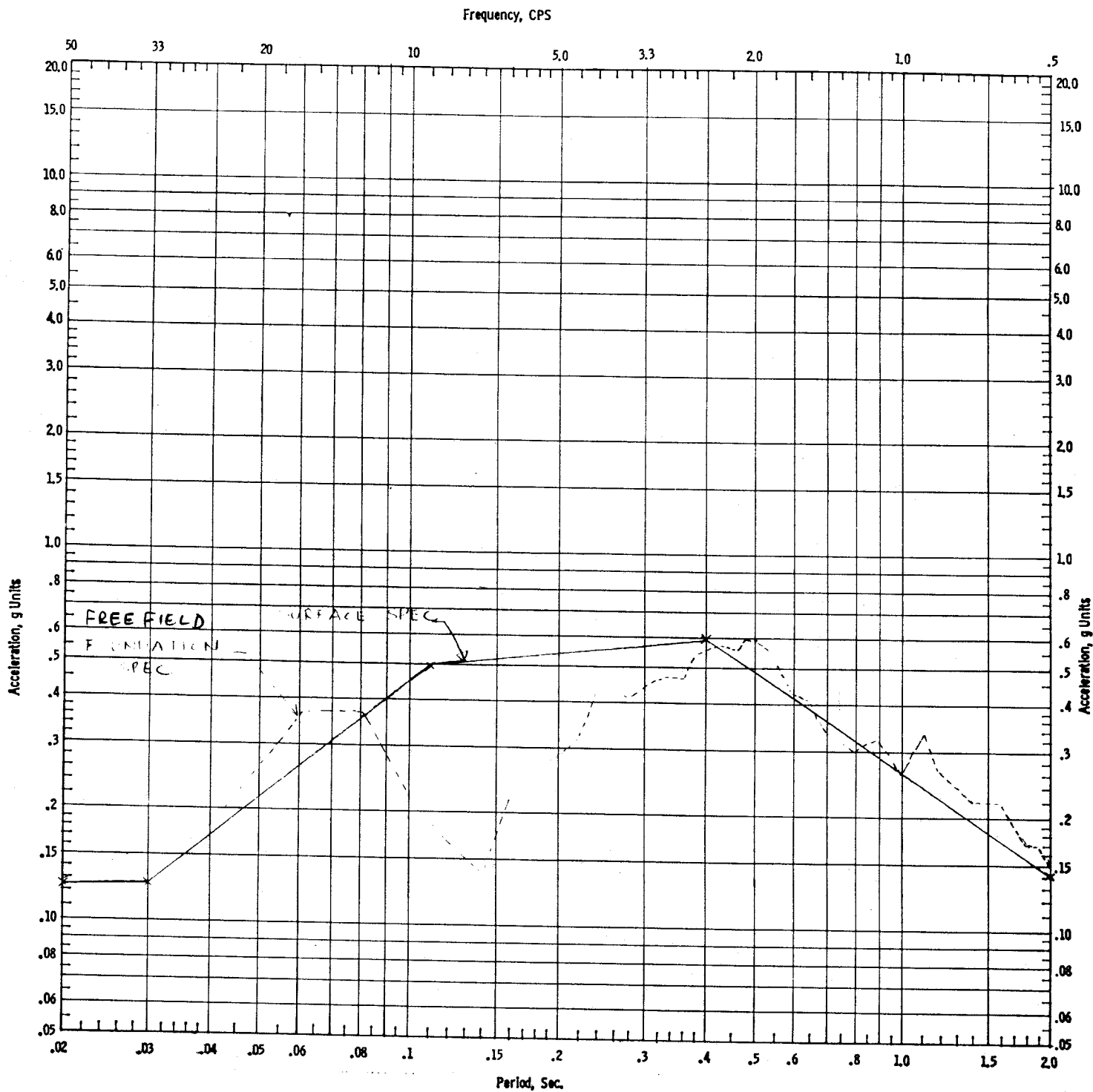
FIGURE 3.7-10
VERTICAL RESPONSE SPECTRA
(7% DAMPING)



CLINTON POWER STATION
 UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-11

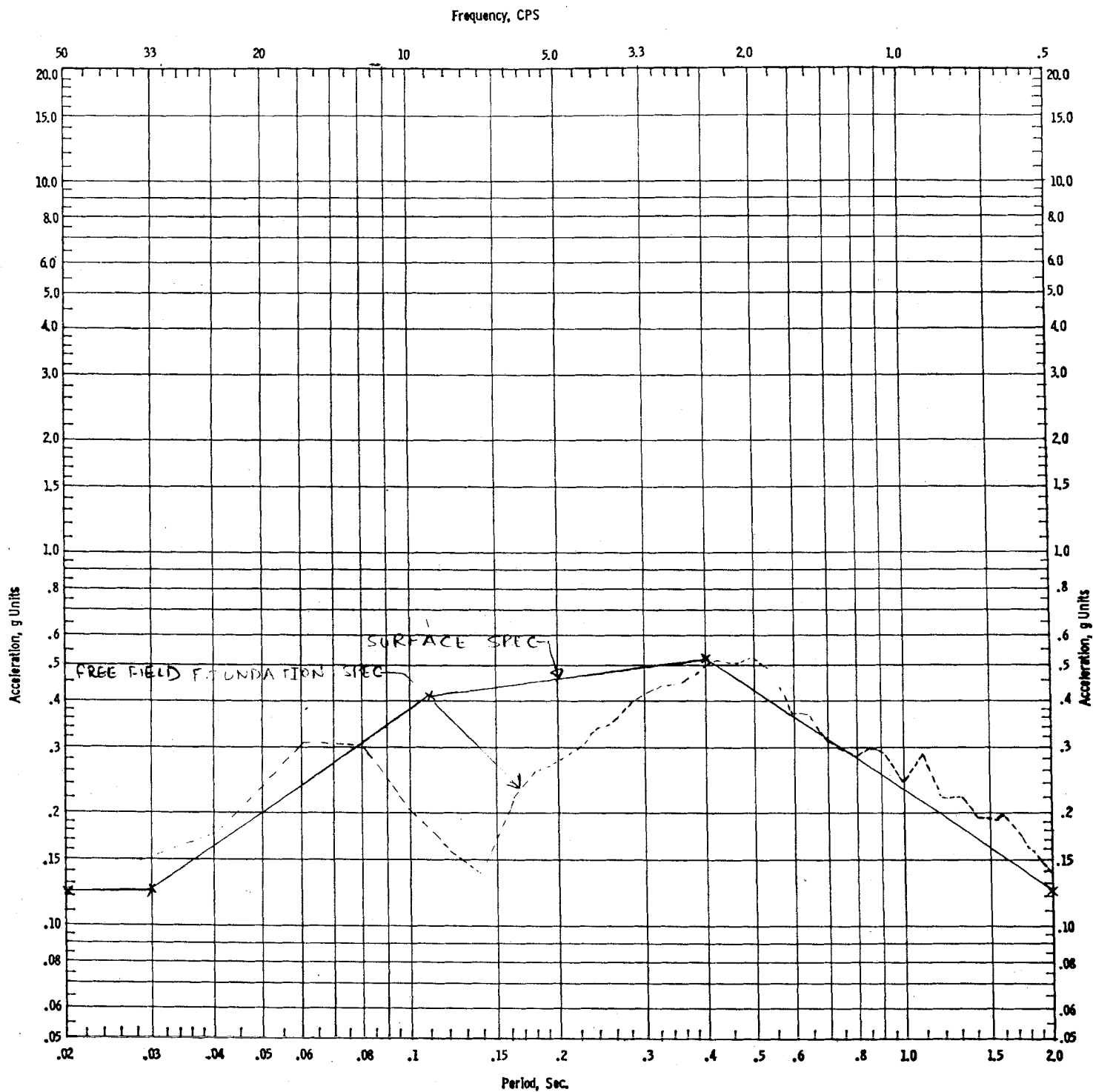
SOIL LAYERING MODEL
 USED IN SHAKE



**CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT**

FIGURE 3.7-12

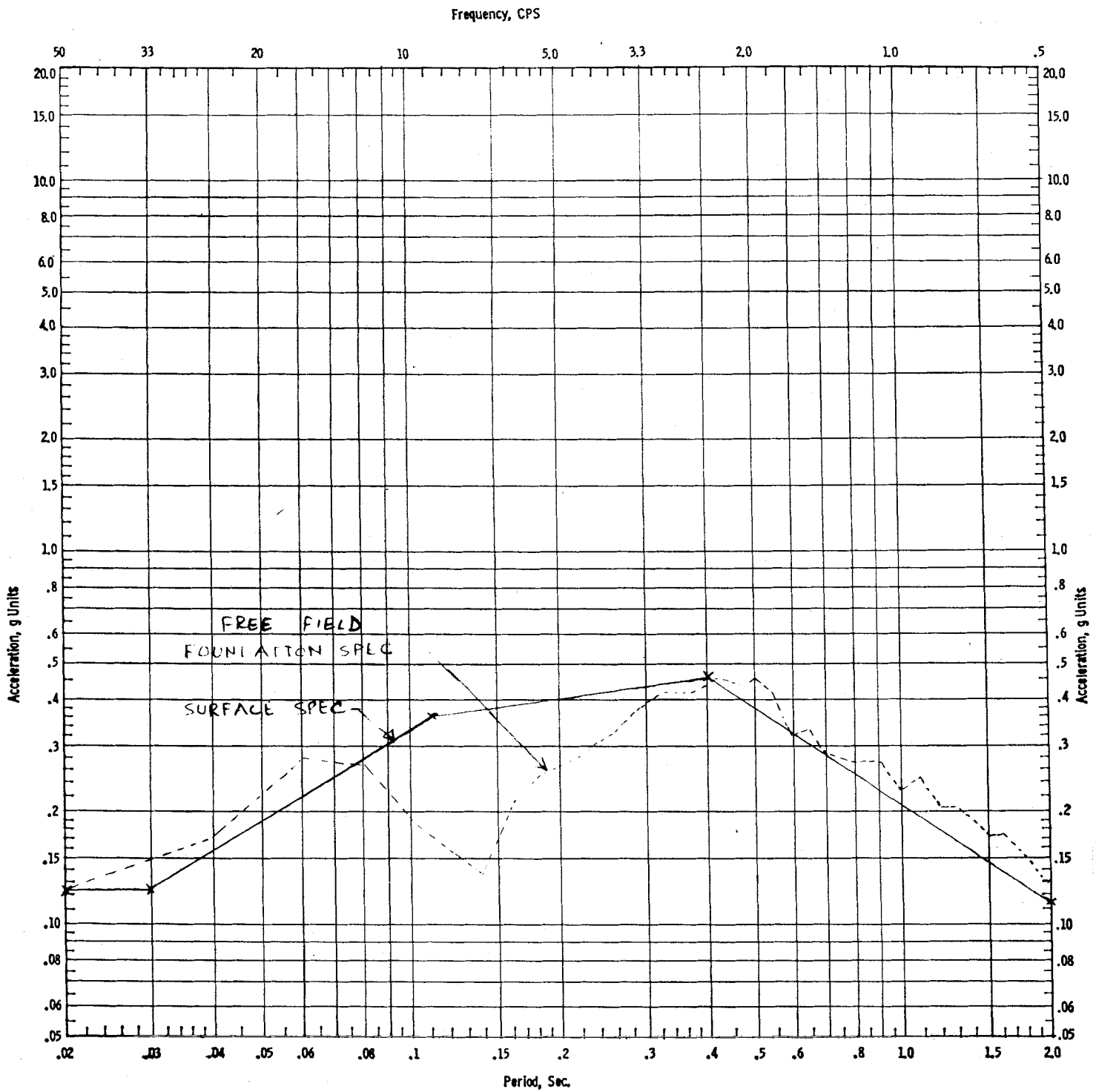
COMPARISON BETWEEN FREE FIELD
FOUNDATION AND SURFACE SPECTRA
FOR OBE HORIZONTAL 1% DAMPING



**CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT**

FIGURE 3.7-13

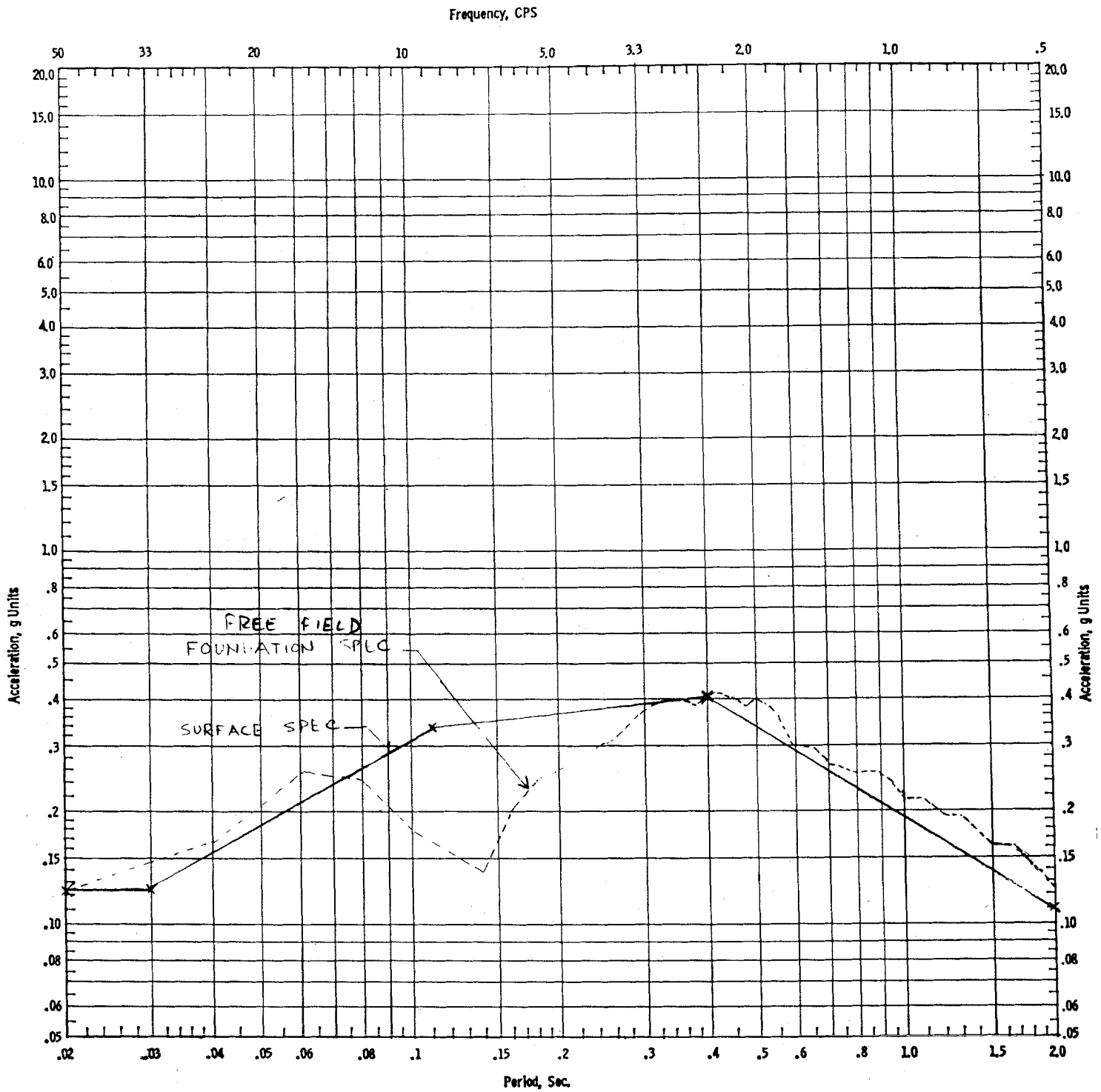
COMPARISON BETWEEN FREE FIELD
FOUNDATION AND SURFACE SPECTRA
FOR OBE HORIZONTAL 2% DAMPING



**CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT**

FIGURE 3.7-14

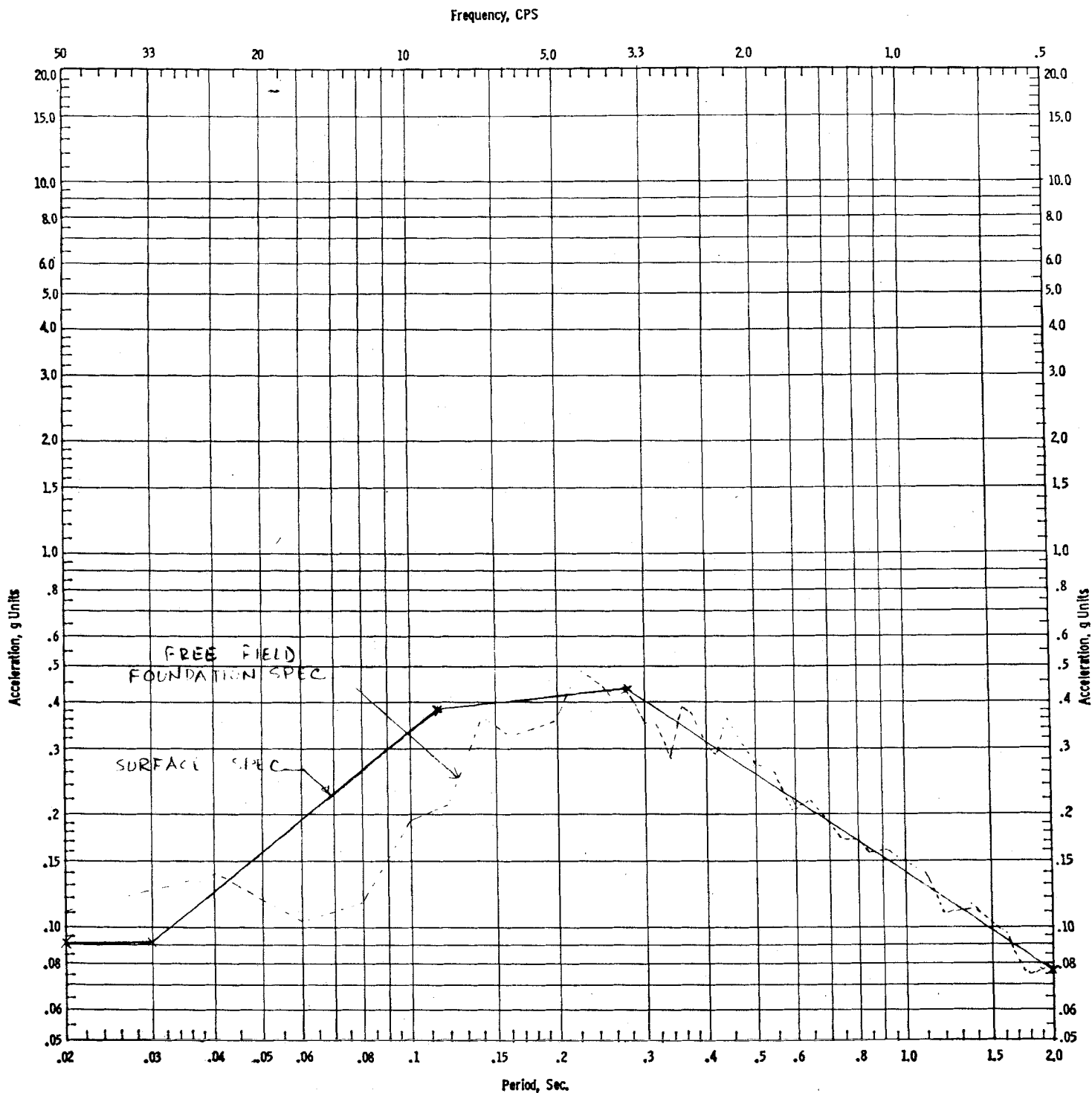
COMPARISON BETWEEN FREE FIELD
FOUNDATION AND SURFACE SPECTRA
FOR OBE HORIZONTAL 3% DAMPING



**CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT**

FIGURE 3.7-15

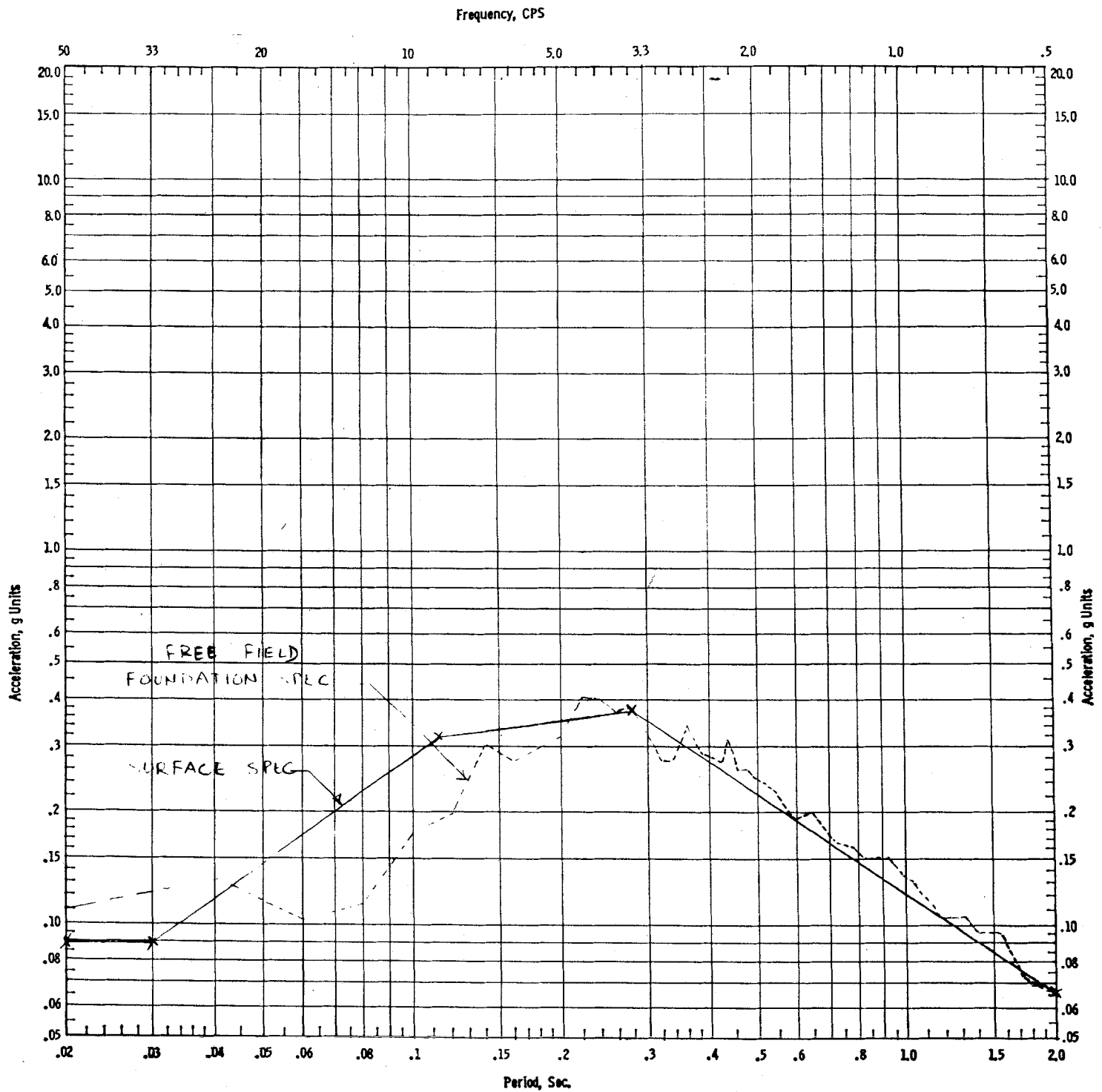
COMPARISON BETWEEN FREE FIELD
FOUNDATION AND SURFACE SPECTRA
FOR OBE HORIZONTAL 4% DAMPING



**CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT**

FIGURE 3.7-16

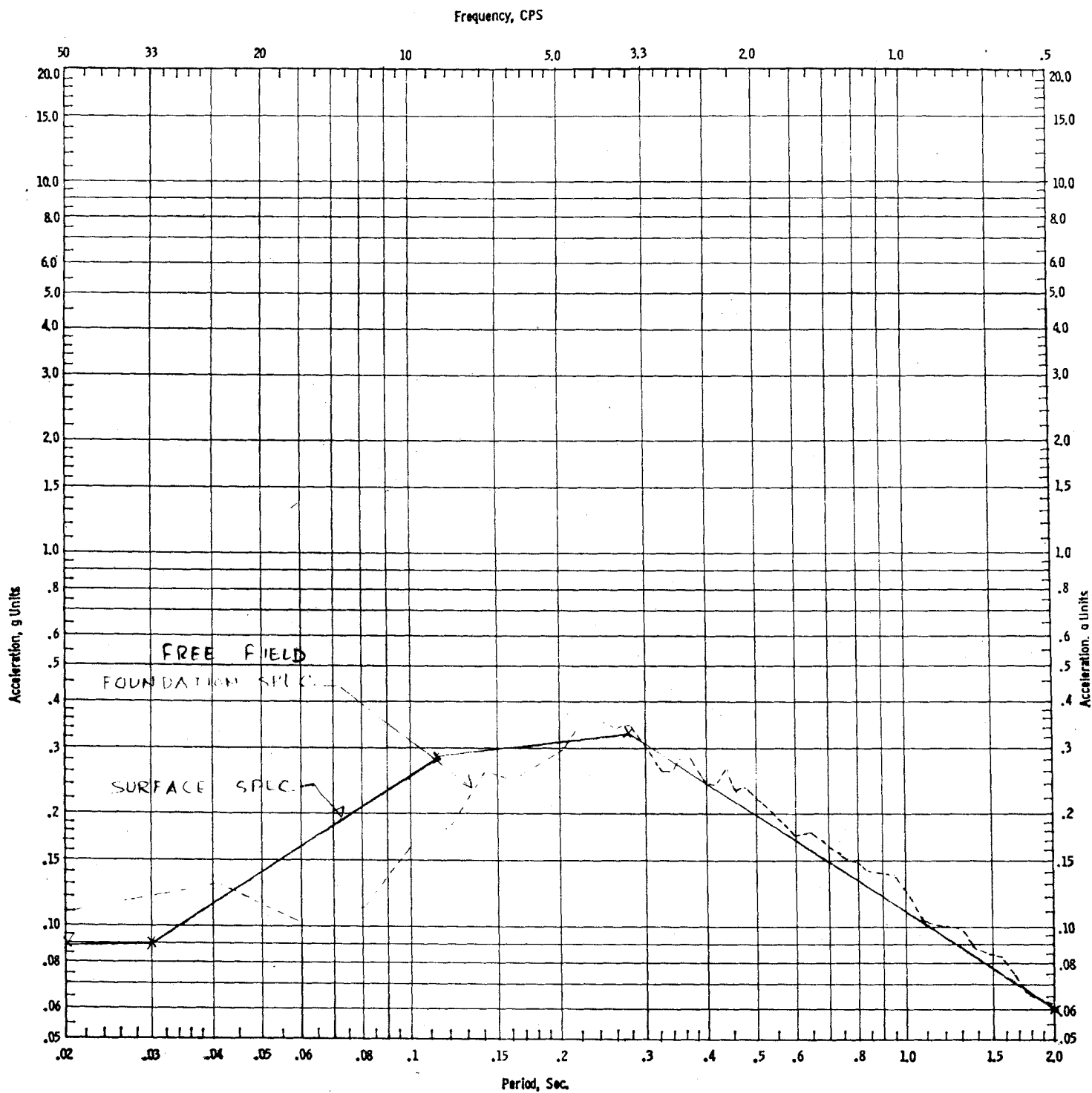
COMPARISON BETWEEN FREE FIELD
FOUNDATION AND SURFACE SPECTRA
FOR OBE VERTICAL 1% DAMPING



**CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT**

FIGURE 3.7-17

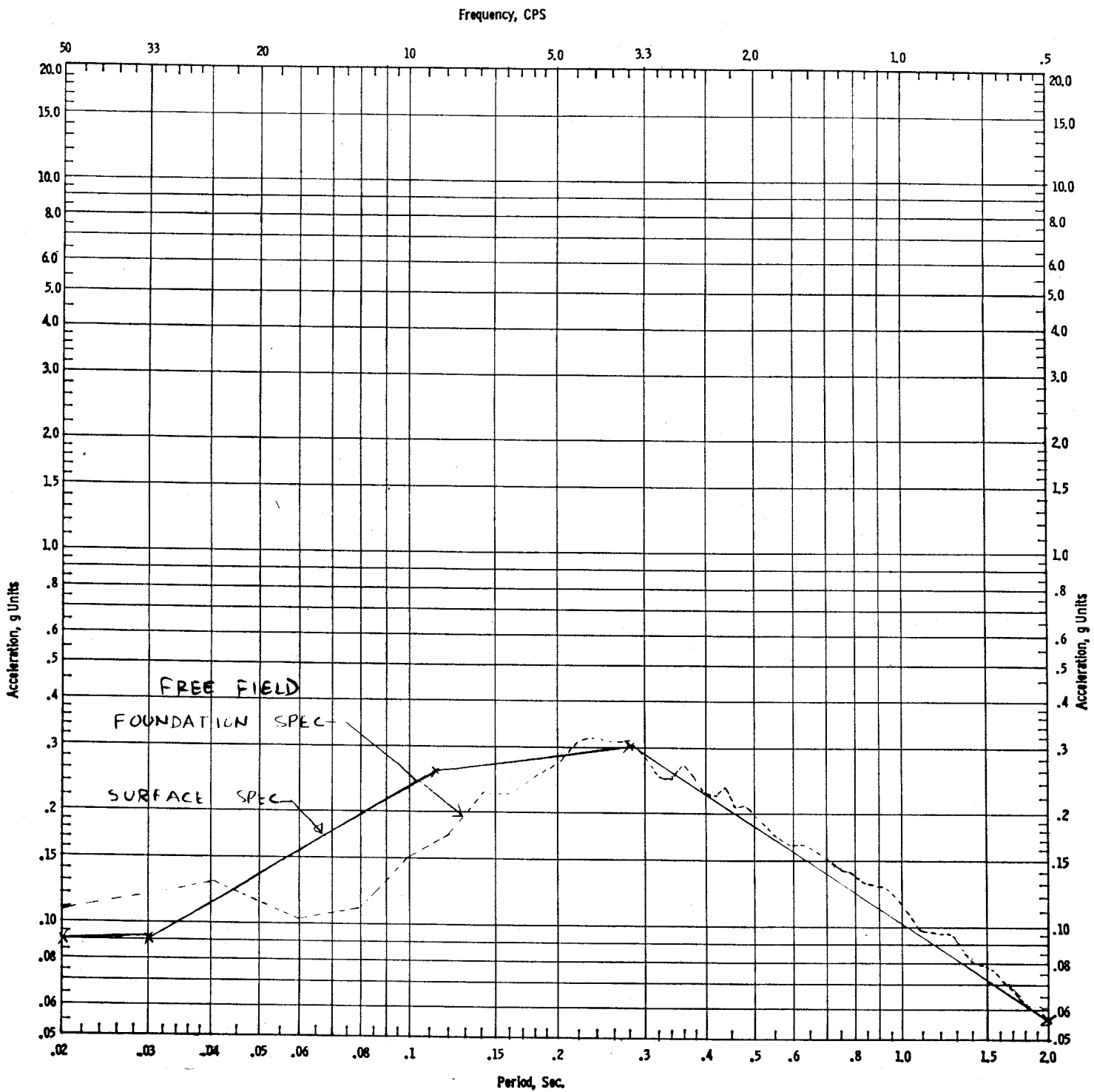
COMPARISON BETWEEN FREE FIELD
FOUNDATION AND SURFACE SPECTRA
FOR OBE VERTICAL 2% DAMPING



**CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT**

FIGURE 3.7-18

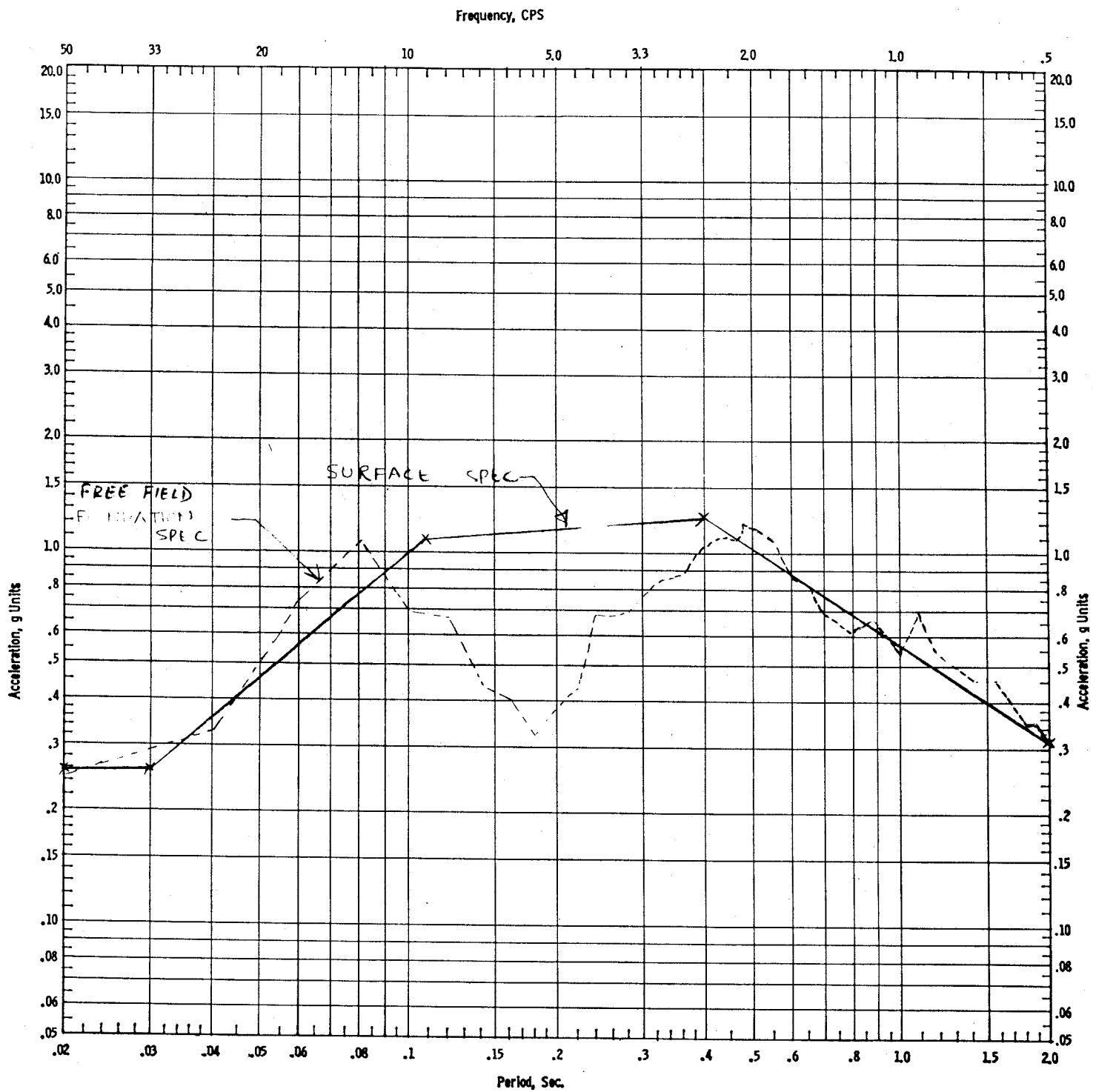
COMPARISON BETWEEN FREE FIELD
FOUNDATION AND SURFACE SPECTRA
FOR OBE VERTICAL 3% DAMPING



**CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT**

FIGURE 3.7-19

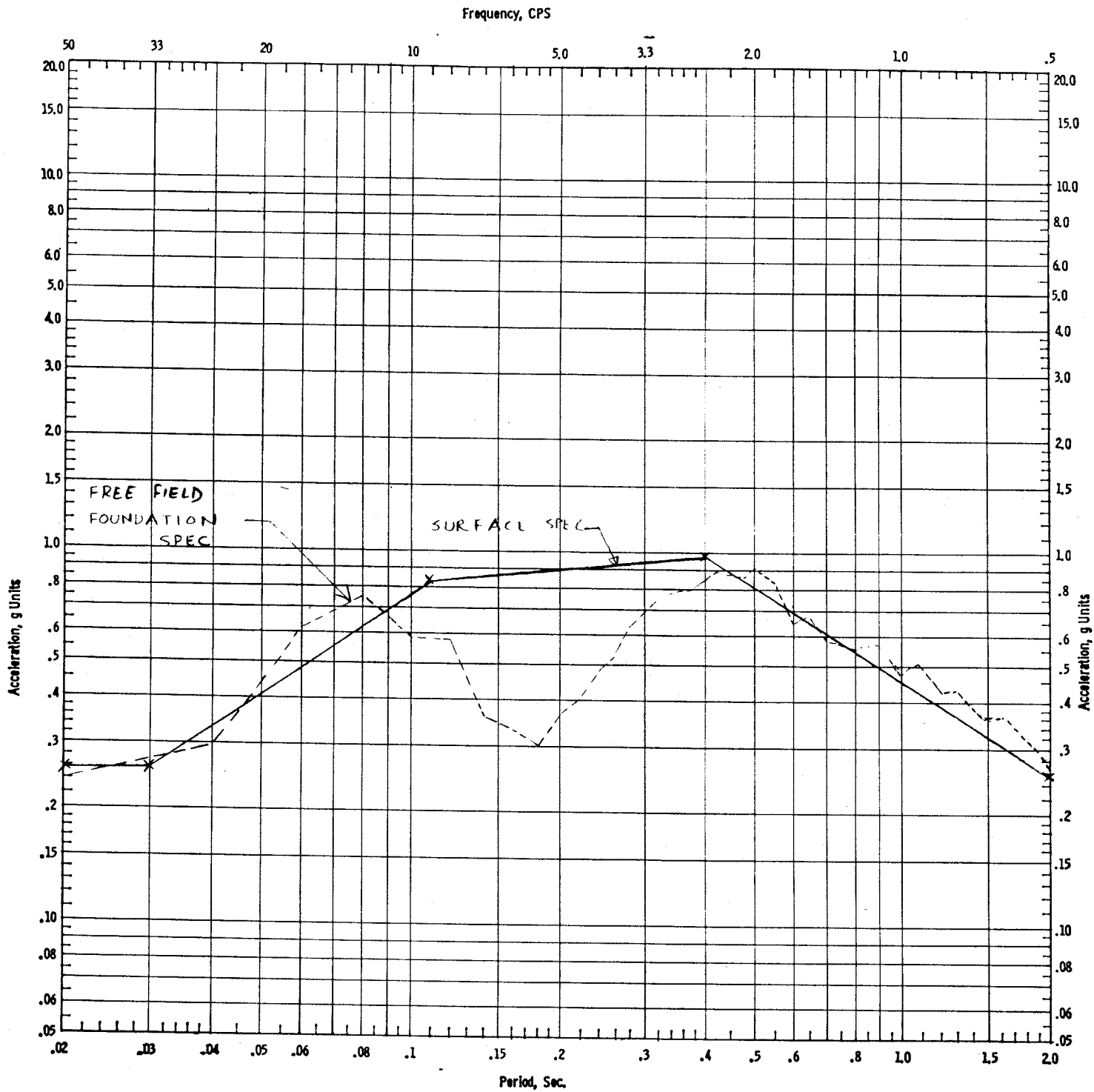
COMPARISON BETWEEN FREE FIELD
FOUNDATION AND SURFACE SPECTRA
FOR OBE VERTICAL 4% DAMPING



**CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT**

FIGURE 3.7-20

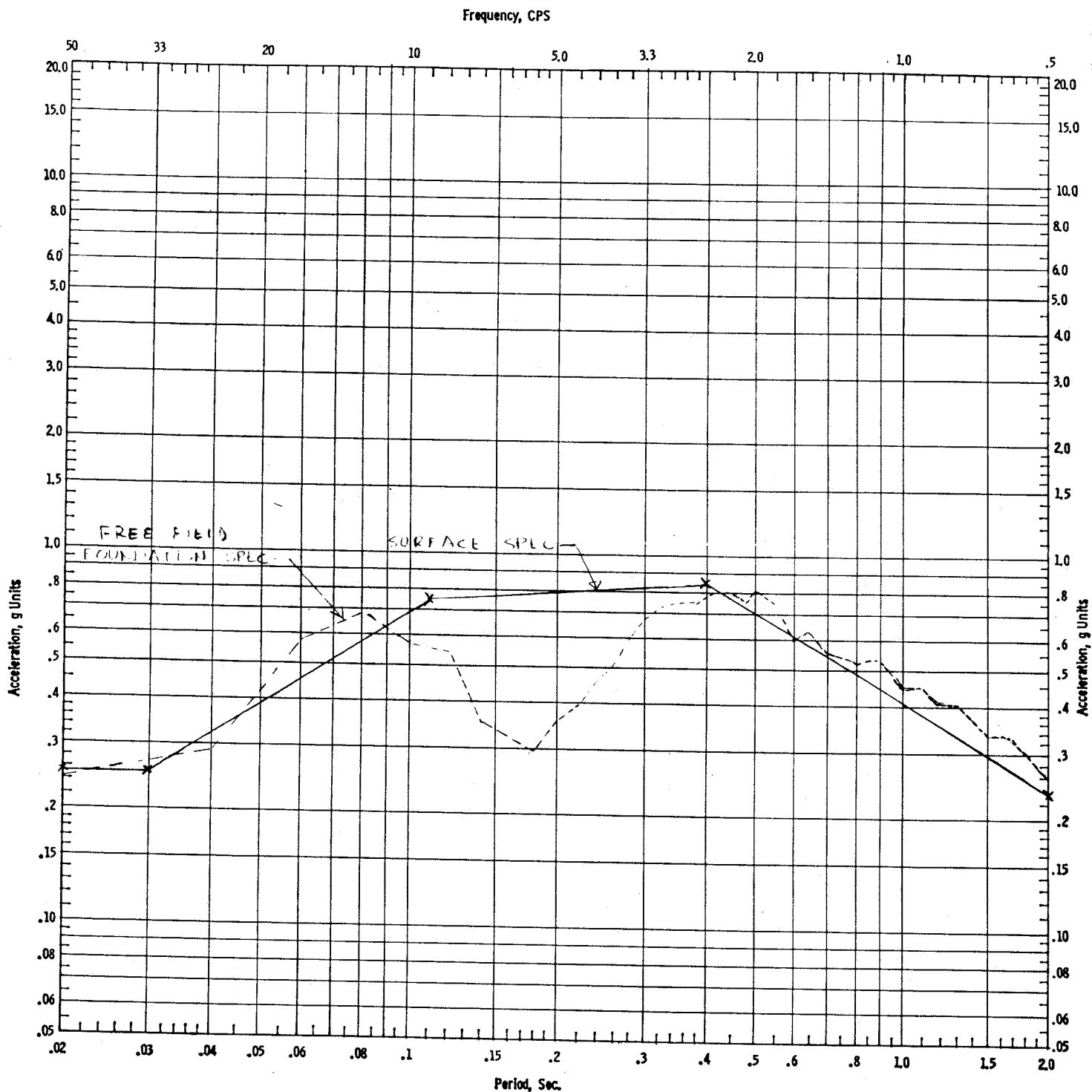
COMPARISON BETWEEN FREE FIELD
FOUNDATION AND SURFACE SPECTRA
FOR SSE HORIZONTAL 1% DAMPING



**CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT**

FIGURE 3.7-21

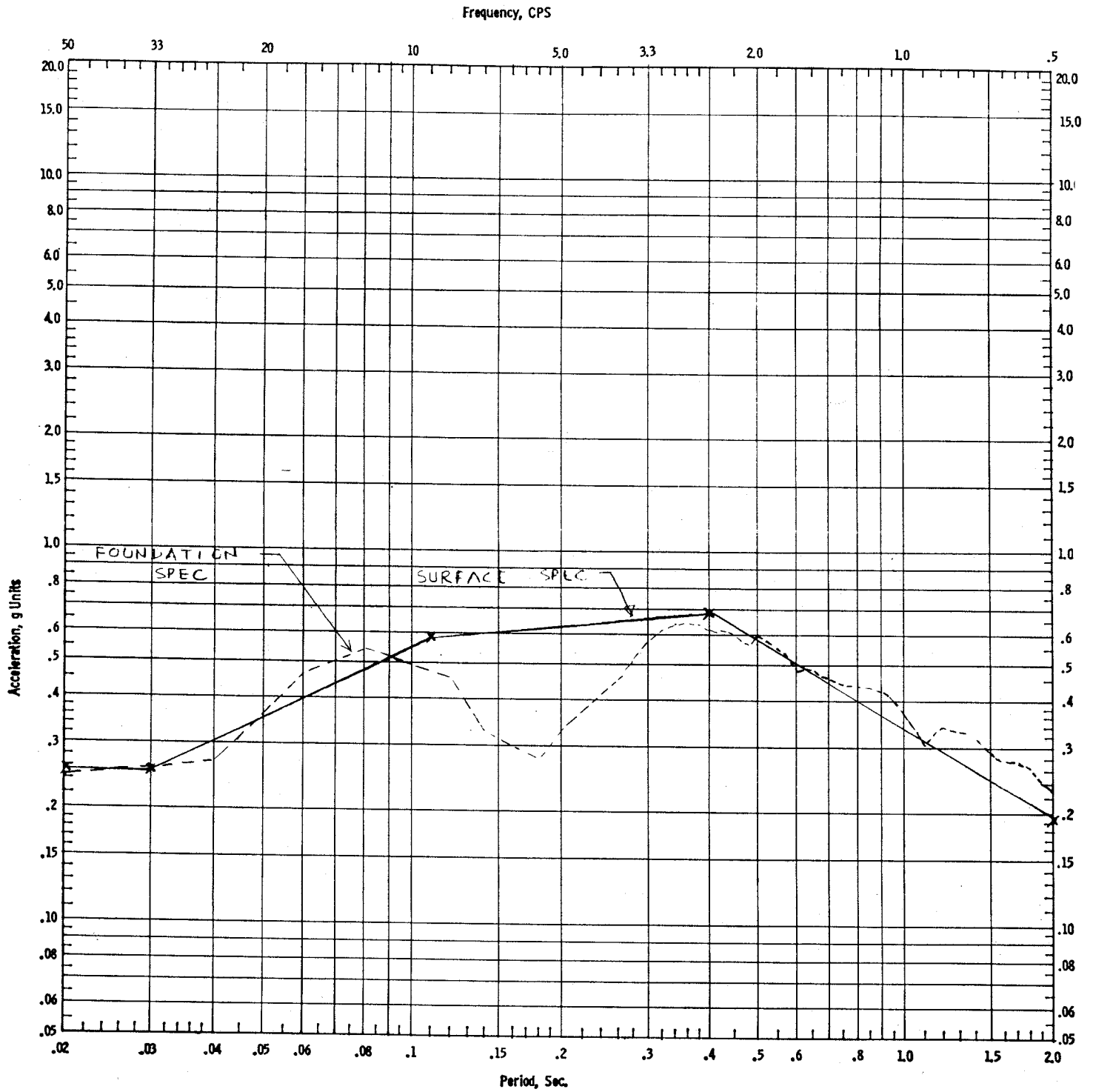
COMPARISON BETWEEN FREE FIELD
FOUNDATION AND SURFACE SPECTRA
FOR SSE HORIZONTAL 3% DAMPING



**CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT**

FIGURE 3.7-22

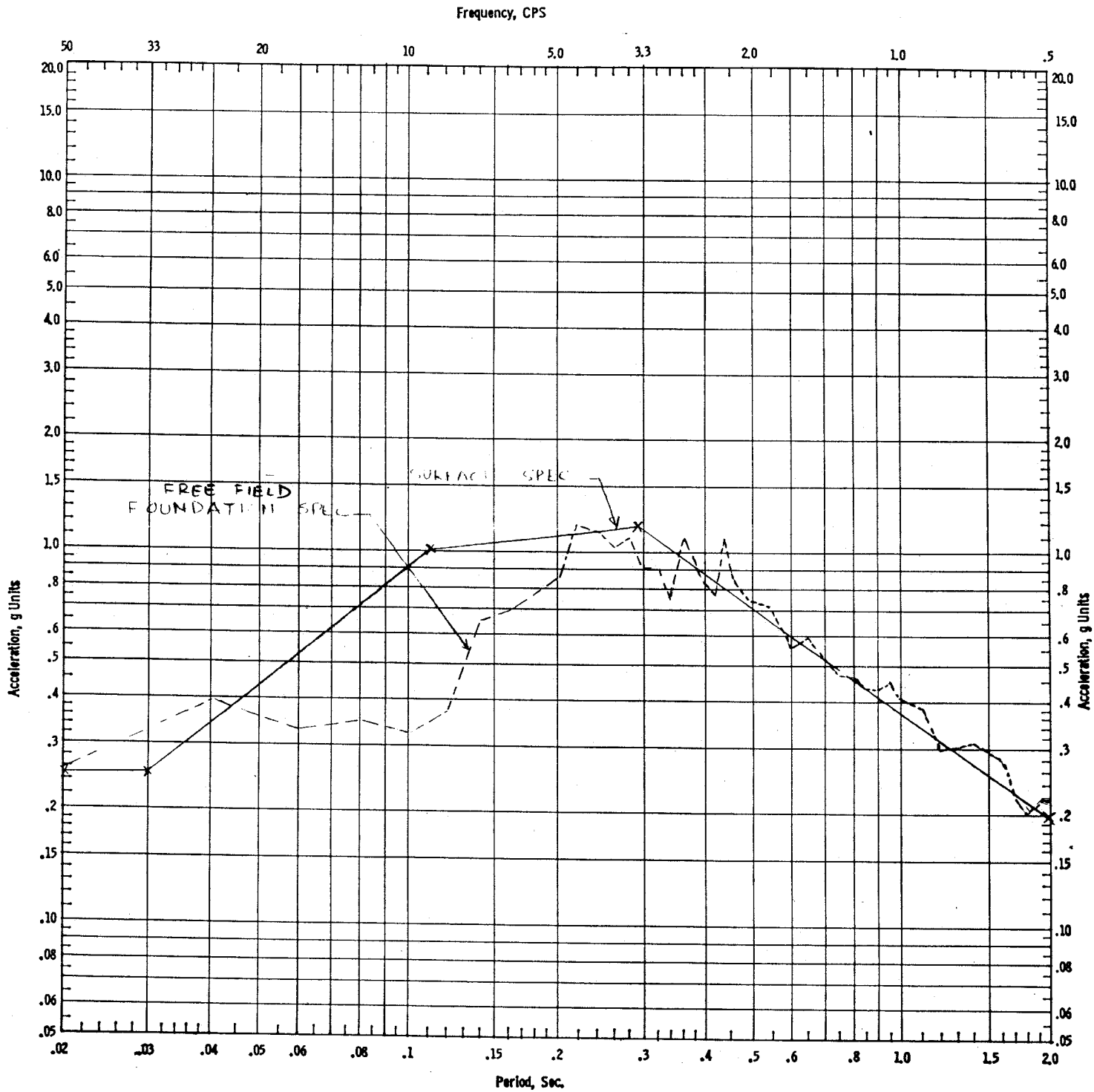
COMPARISON BETWEEN FREE FIELD
FOUNDATION AND SURFACE SPECTRA
FOR SSE HORIZONTAL 4% DAMPING



**CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT**

FIGURE 3.7-23

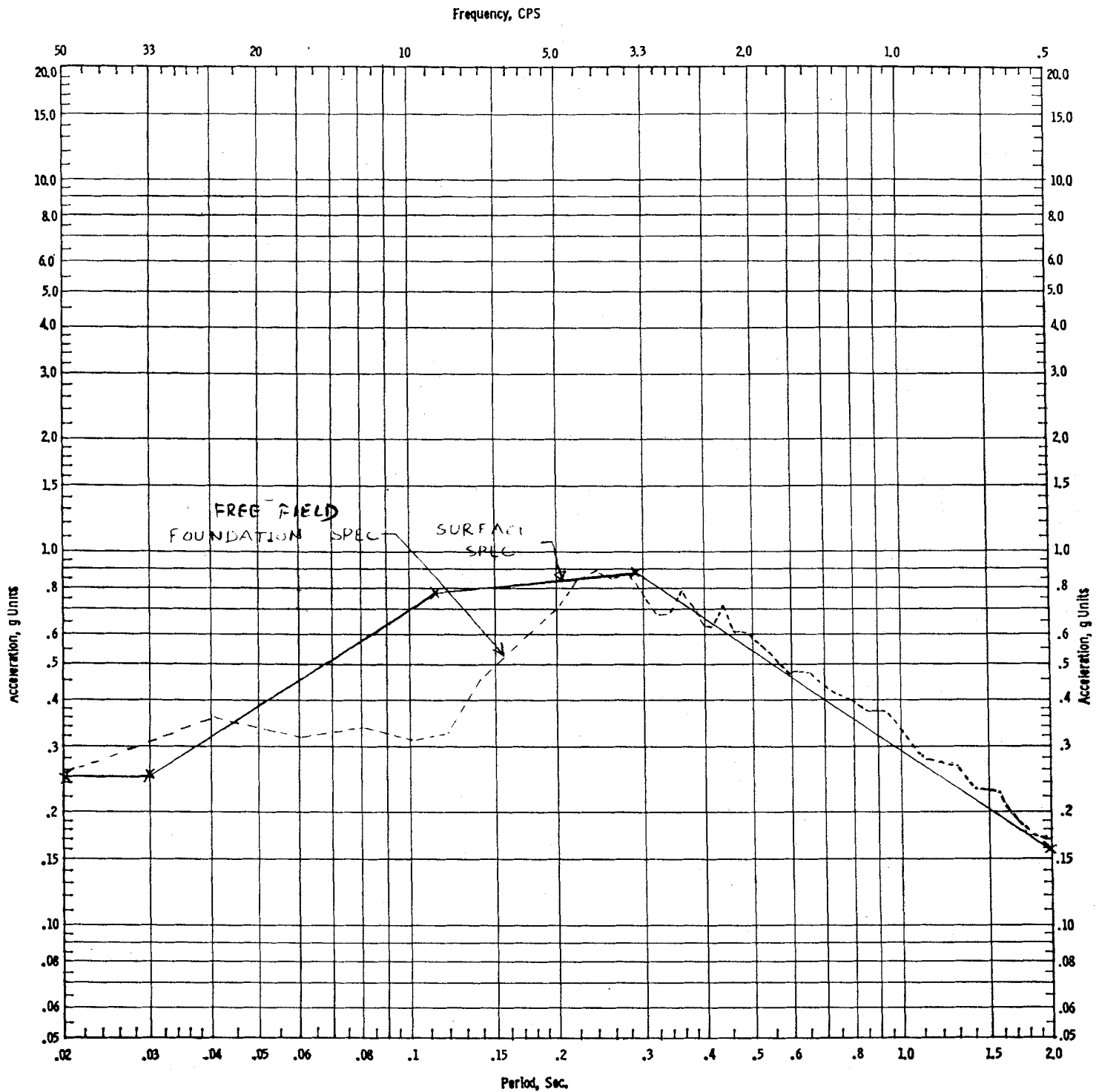
COMPARISON BETWEEN FREE FIELD
FOUNDATION AND SURFACE SPECTRA
FOR SSE HORIZONTAL 7% DAMPING



**CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT**

FIGURE 3.7-24

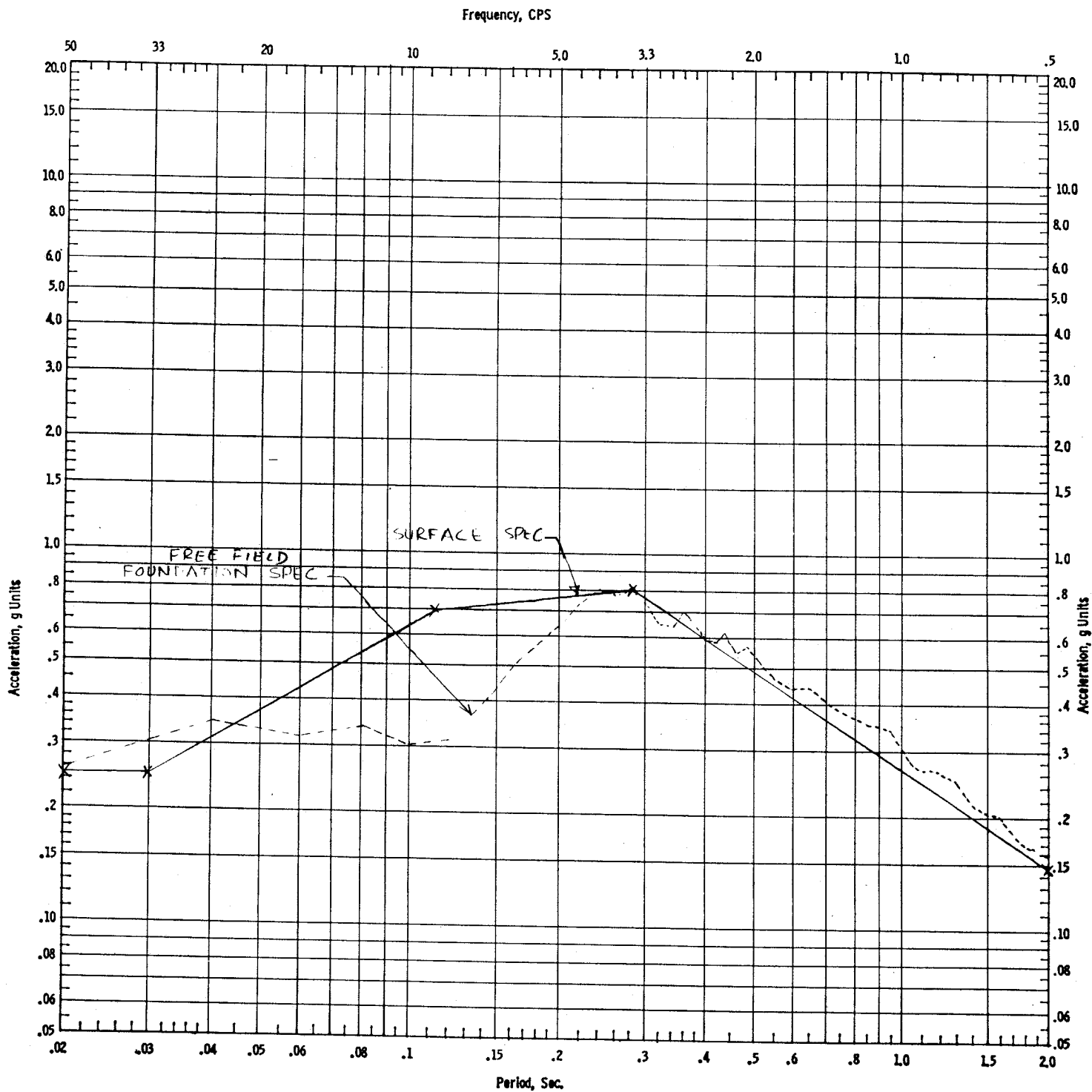
COMPARISON BETWEEN FREE FIELD
FOUNDATION AND SURFACE SPECTRA
FOR SSE VERTICAL 1% DAMPING



**CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT**

FIGURE 3.7-25

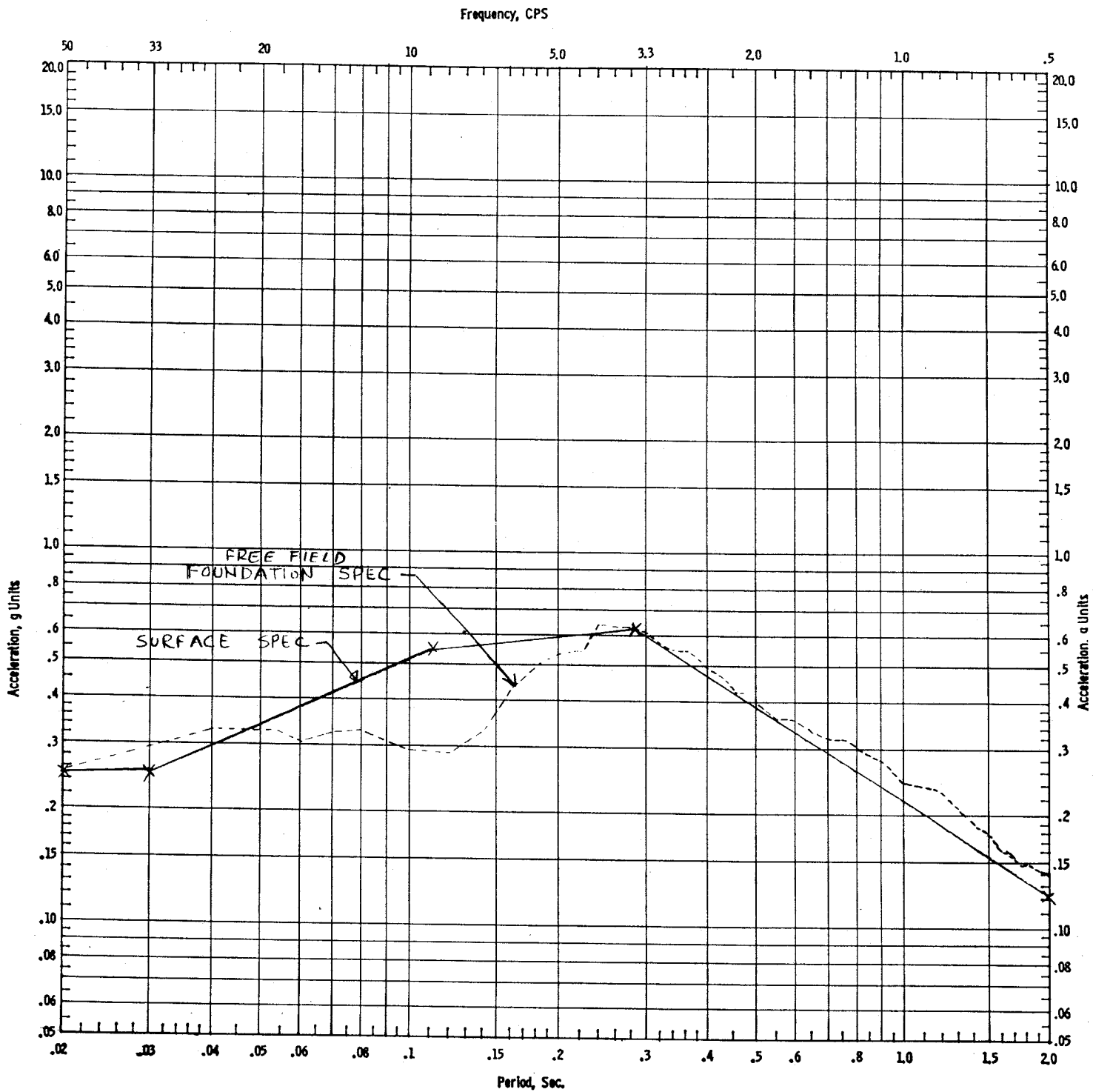
COMPARISON BETWEEN FREE FIELD
FOUNDATION AND SURFACE SPECTRA
FOR SSE VERTICAL 3% DAMPING



**CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT**

FIGURE 3.7-26

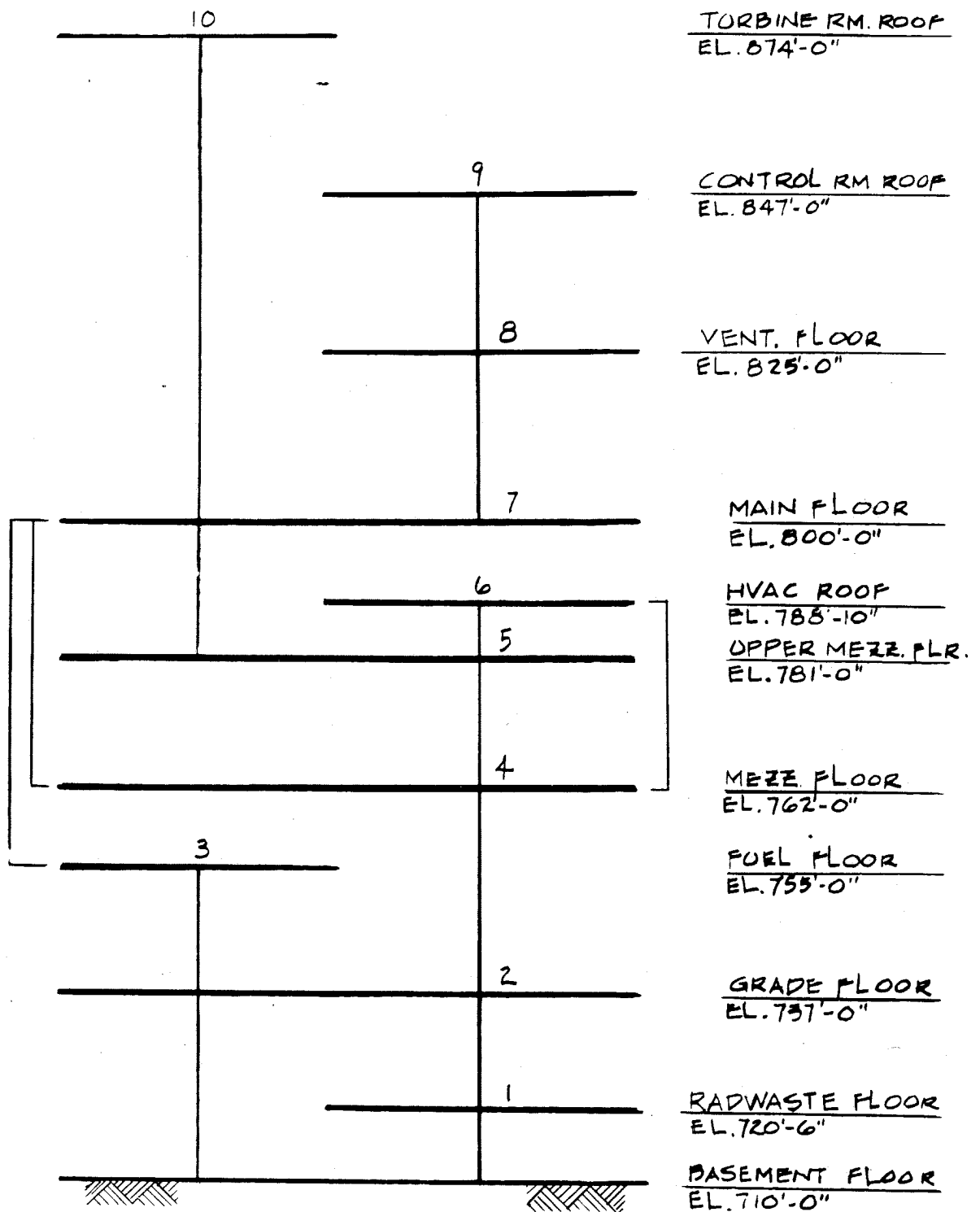
COMPARISON BETWEEN FREE FIELD
FOUNDATION AND SURFACE SPECTRA
FOR SSE VERTICAL 4% DAMPING



**CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT**

FIGURE 3.7-27

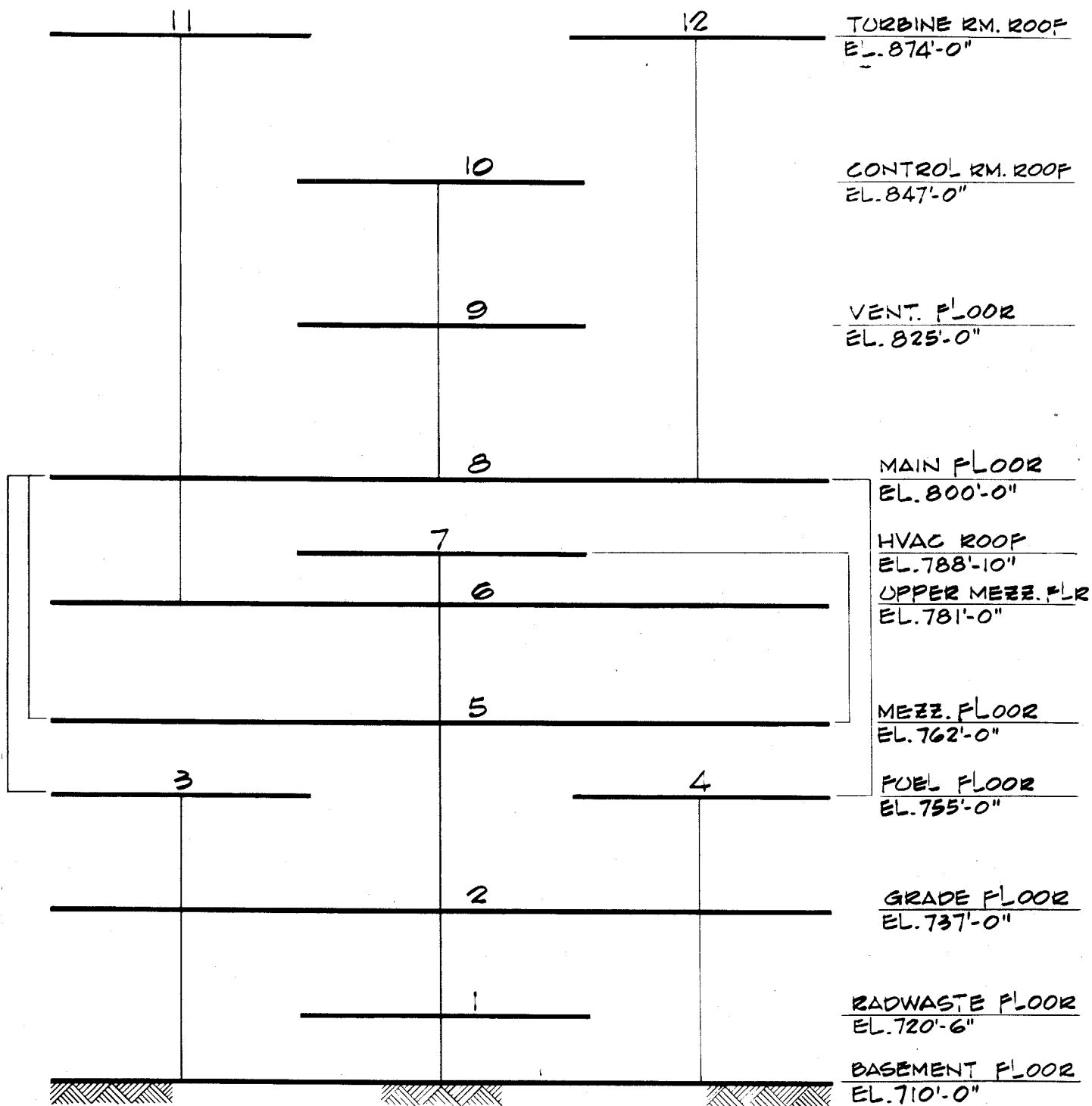
COMPARISON BETWEEN FREE FIELD
FOUNDATION AND SURFACE SPECTRA
FOR SSE VERTICAL 7% DAMPING



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FIGURE 3.7-28

ONE UNIT - HORIZONTAL
BUILDING MODEL

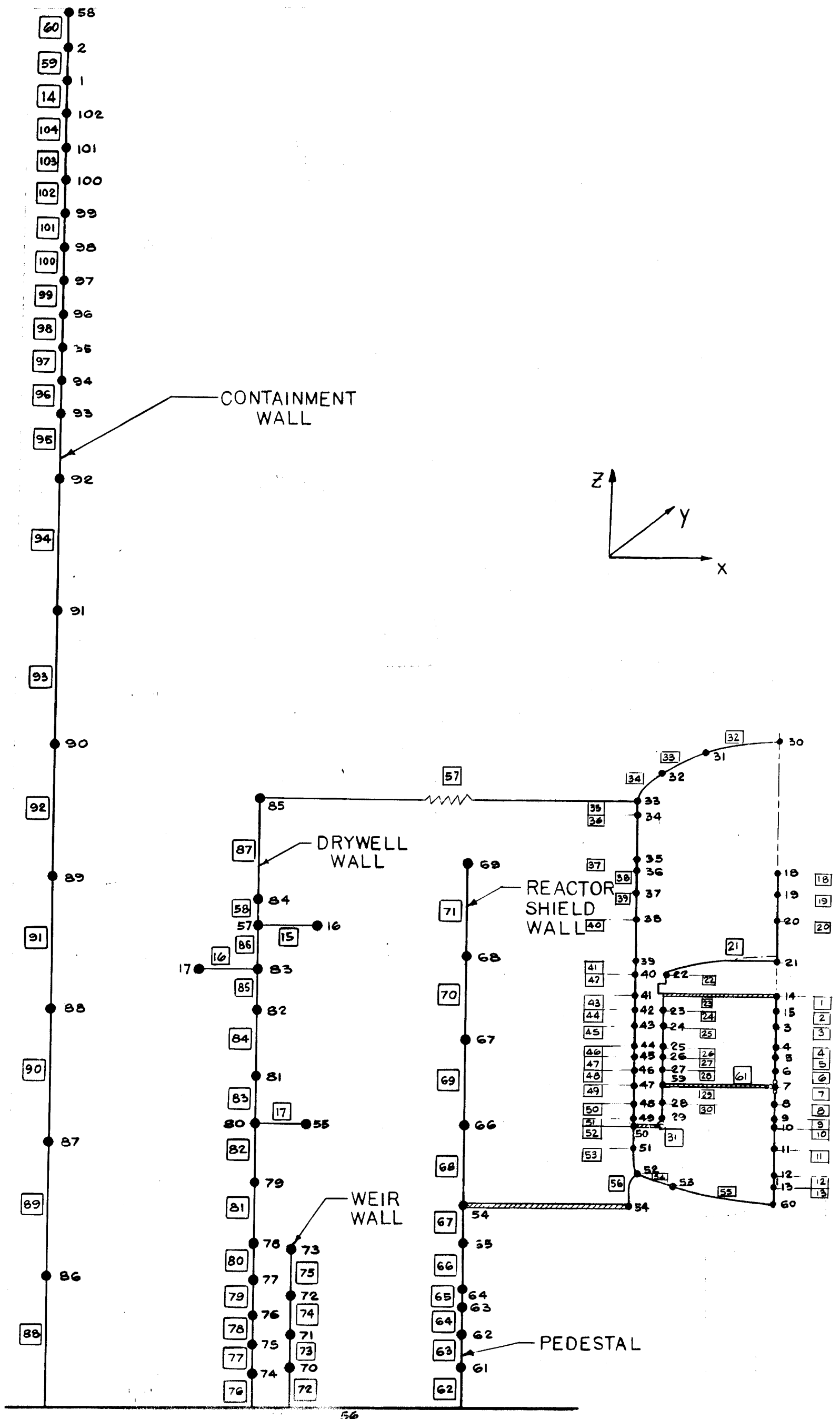


NOTE: UNIT 2 HAS BEEN CANCELLED.

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FIGURE 3.7-29

TWO UNIT - HORIZONTAL
BUILDING MODEL

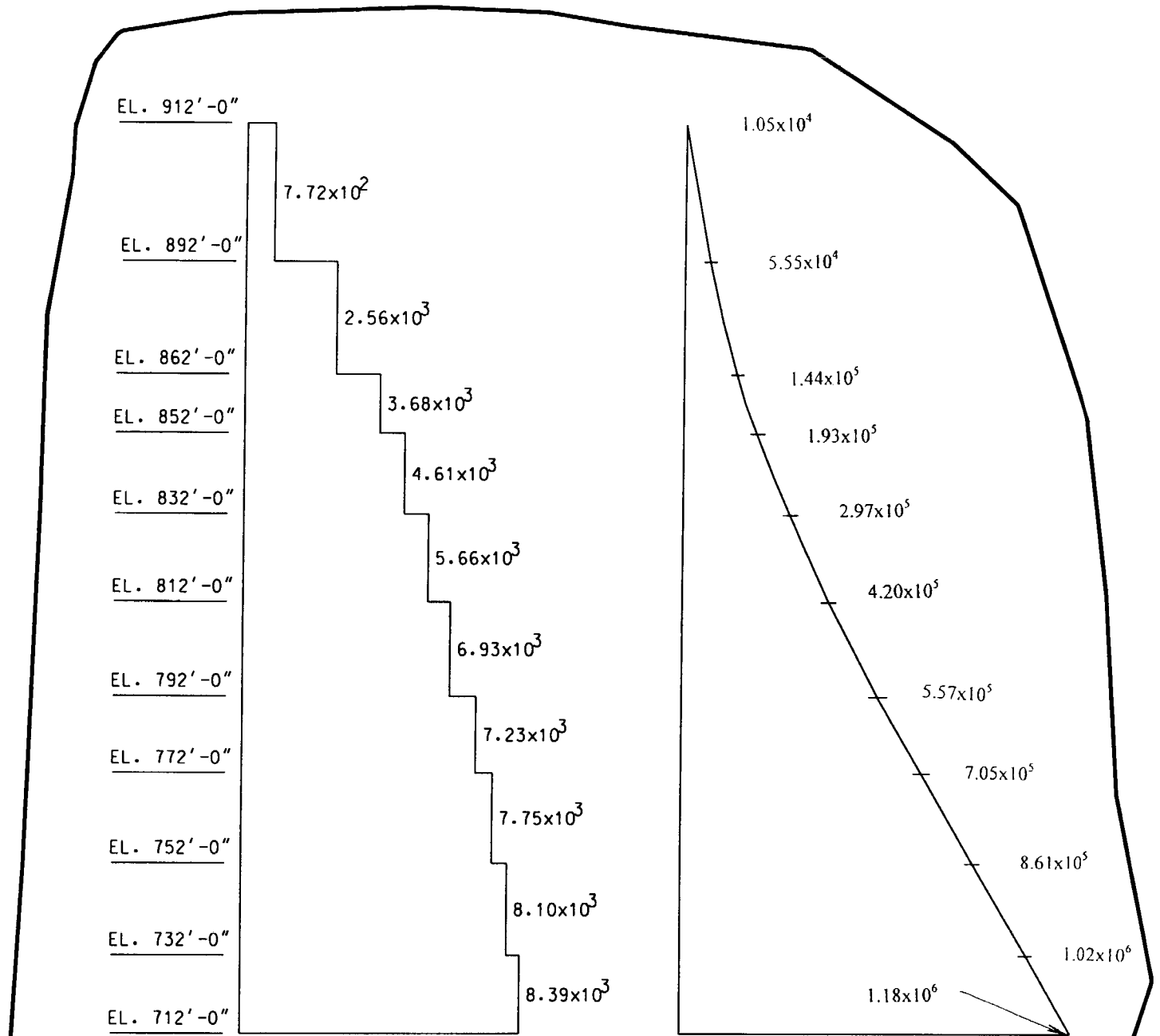


NOTE: NUMBERS IN □ REPRESENT ELEMENT NUMBERS.

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FIGURE 3.7-30

CONTAINMENT BUILDING
HORIZONTAL MODEL

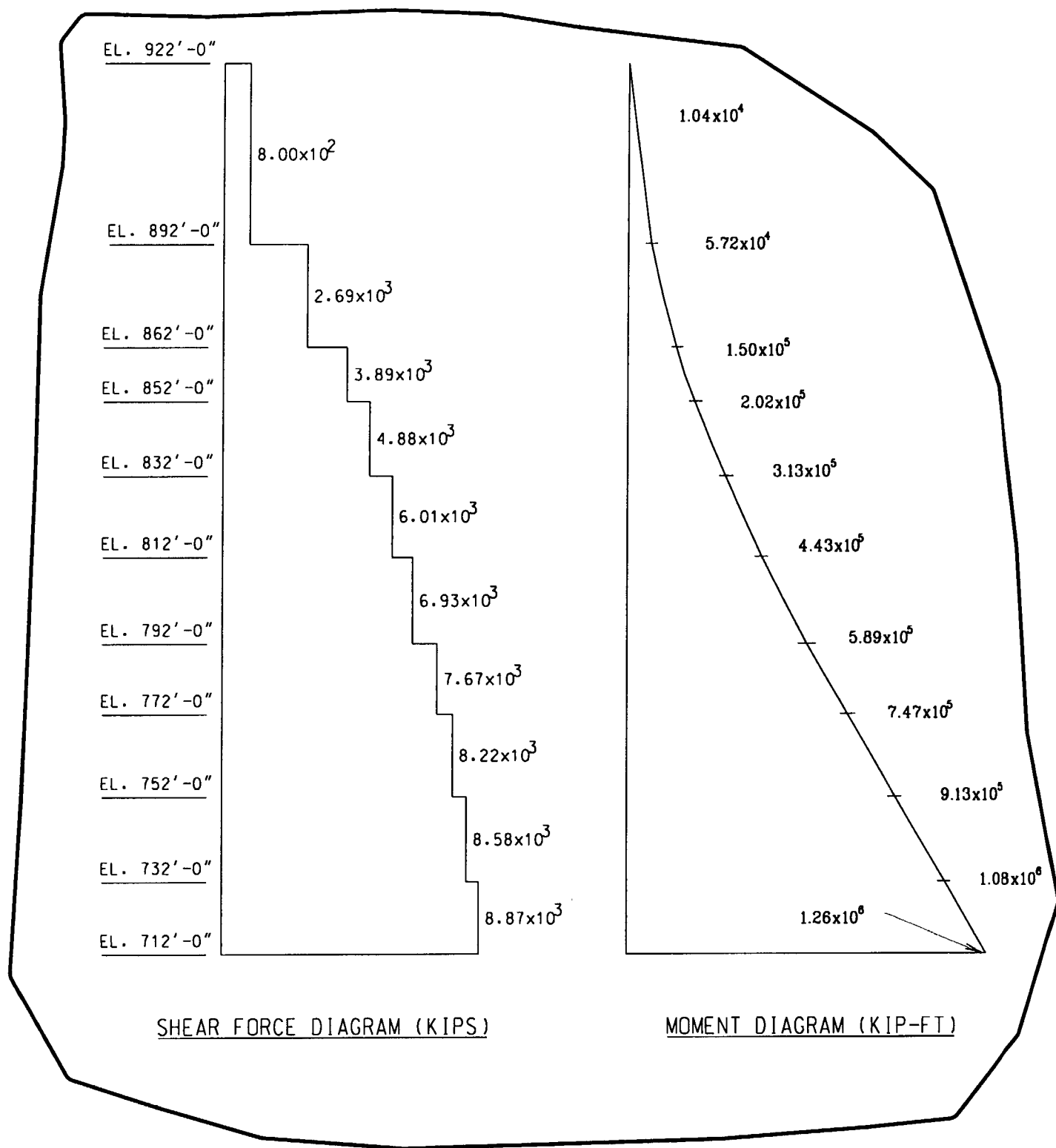


SHEAR FORCE DIAGRAM (KIPS)

MOMENT DIAGRAM (KIP-FT)

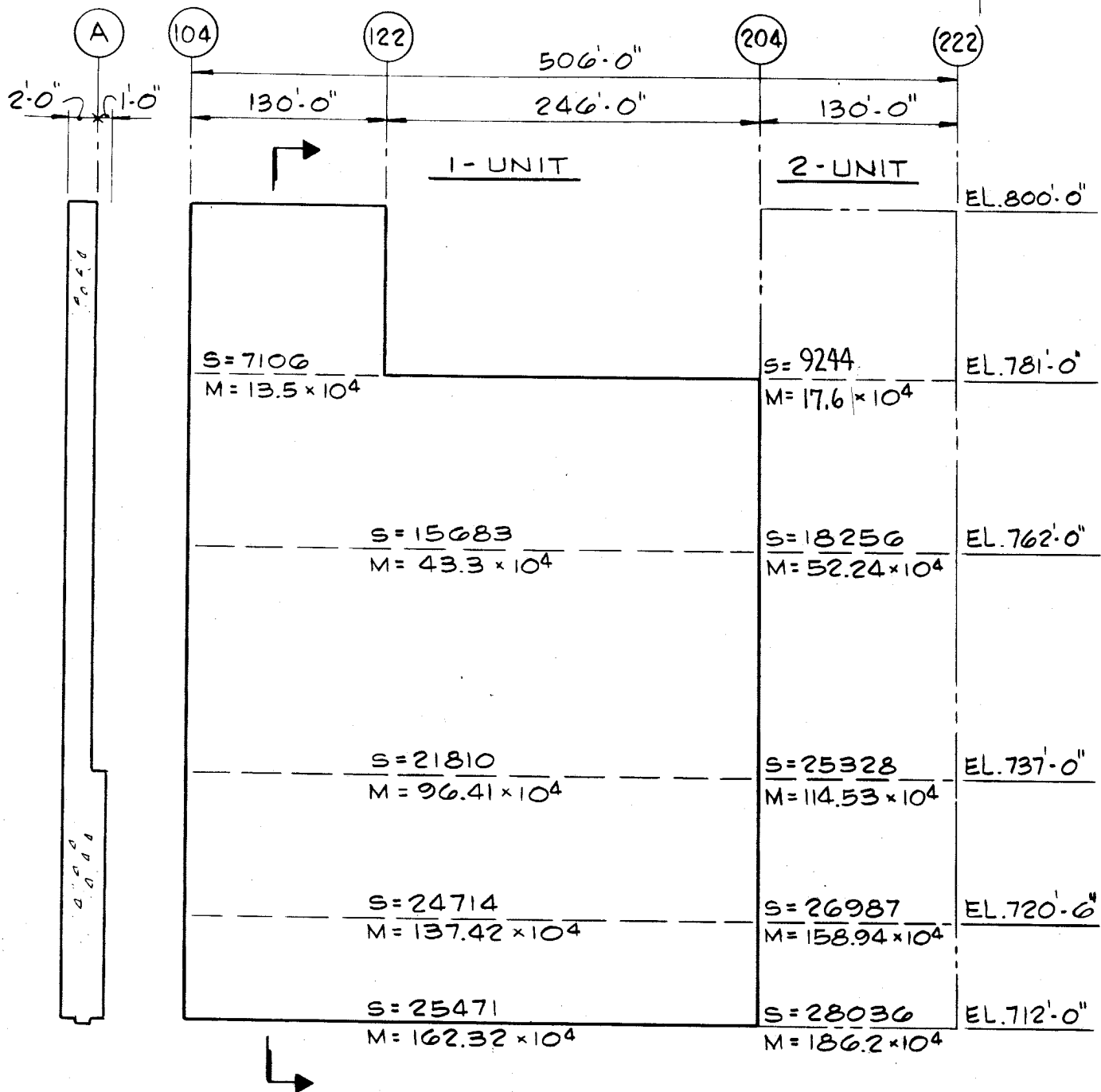
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FIGURE 3.7-31
SEISMIC RESPONSE LOADS (E-W)
FOR SSE FOR THE CONTAINMENT



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



ELEVATION OF SHEAR WALL ALONG COLUMN ROW "A"

NOTES:

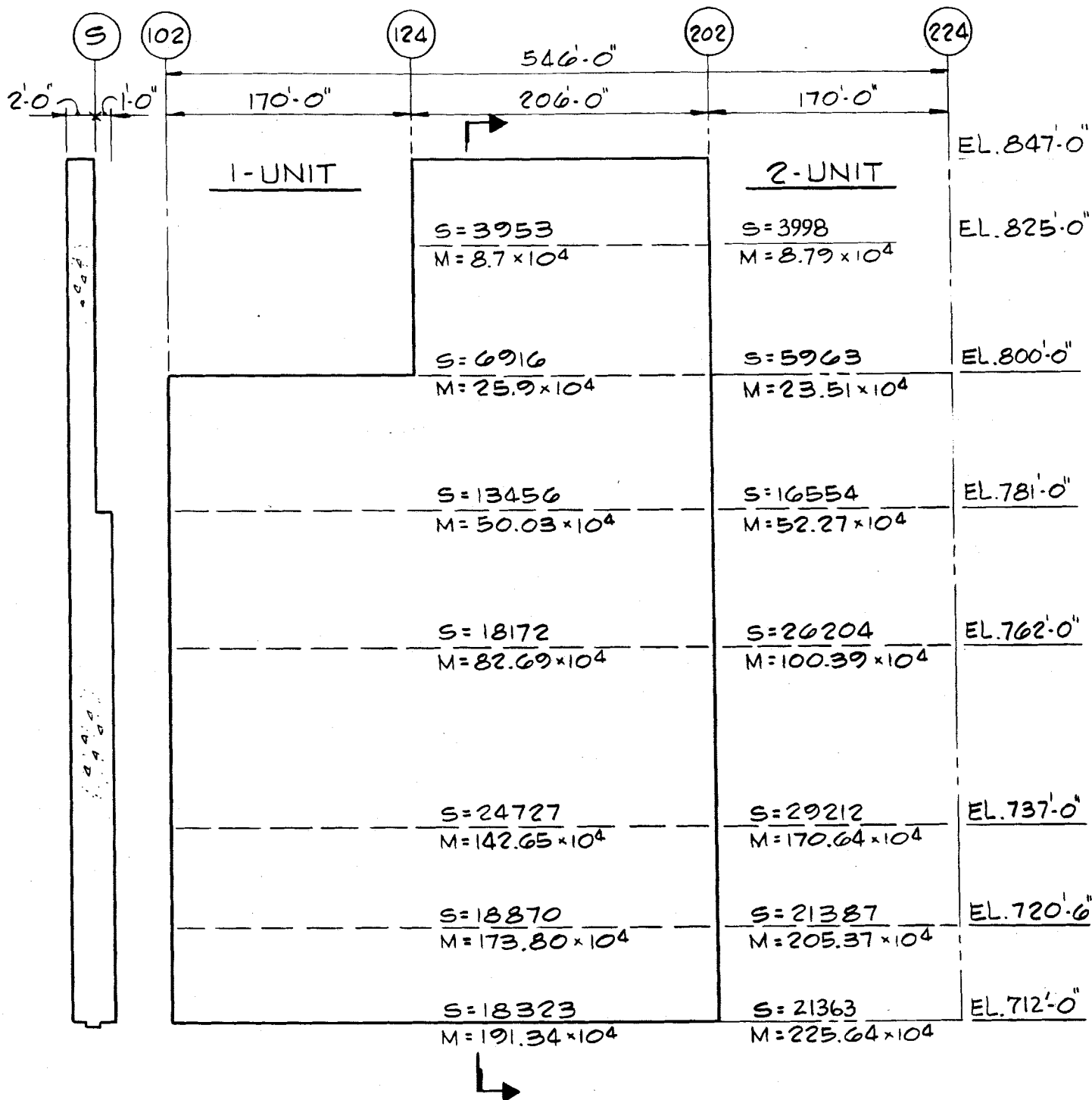
1. "S" DENOTES SHEAR FORCE (KIPS)
"M" DENOTES OVERTURNING MOMENTS (KIP-FT.)
2. SHEAR FORCES AND MOMENTS SHOWN ARE FOR SSE LOADING.

NOTE: UNIT 2 HAS BEEN CANCELLED.

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FIGURE 3.7-33

SEISMIC RESPONSE LOADS FOR SSE
FOR SHEAR WALLS - COLUMN ROW "A"



ELEVATION OF SHEAR WALL ALONG COLUMN ROW "S"

NOTES:

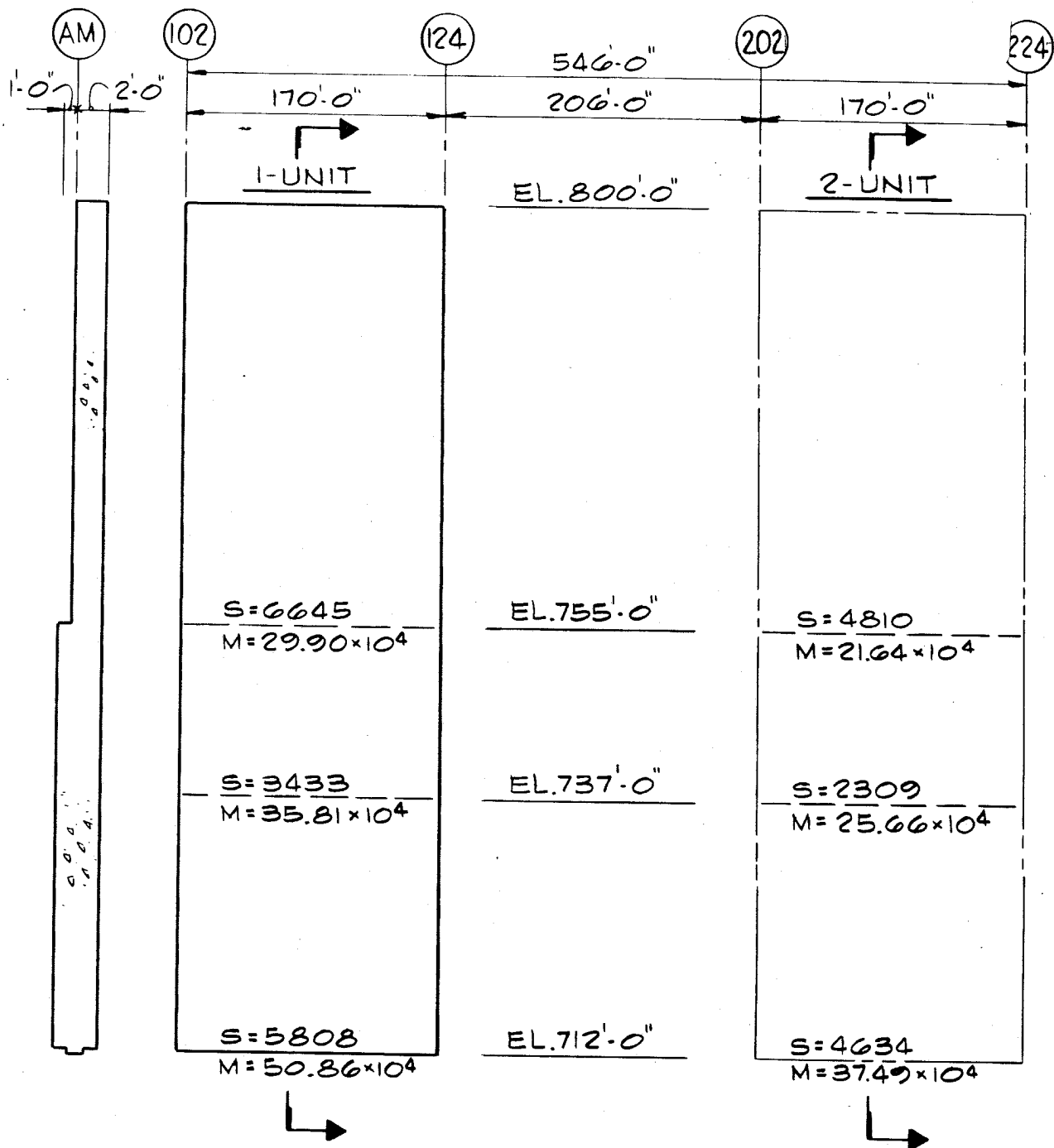
1. "S" DENOTES SHEAR FORCE (KIPS)
- "M" DENOTES OVERTURNING MOMENTS (KIP-FT.)
2. SHEAR FORCES AND MOMENTS SHOWN ARE FOR SSE LOADING.

NOTE: UNIT 2 HAS BEEN CANCELLED.

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FIGURE 3.7-34

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



ELEVATION OF SHEAR WALLS ALONG COLUMN ROW "AM"

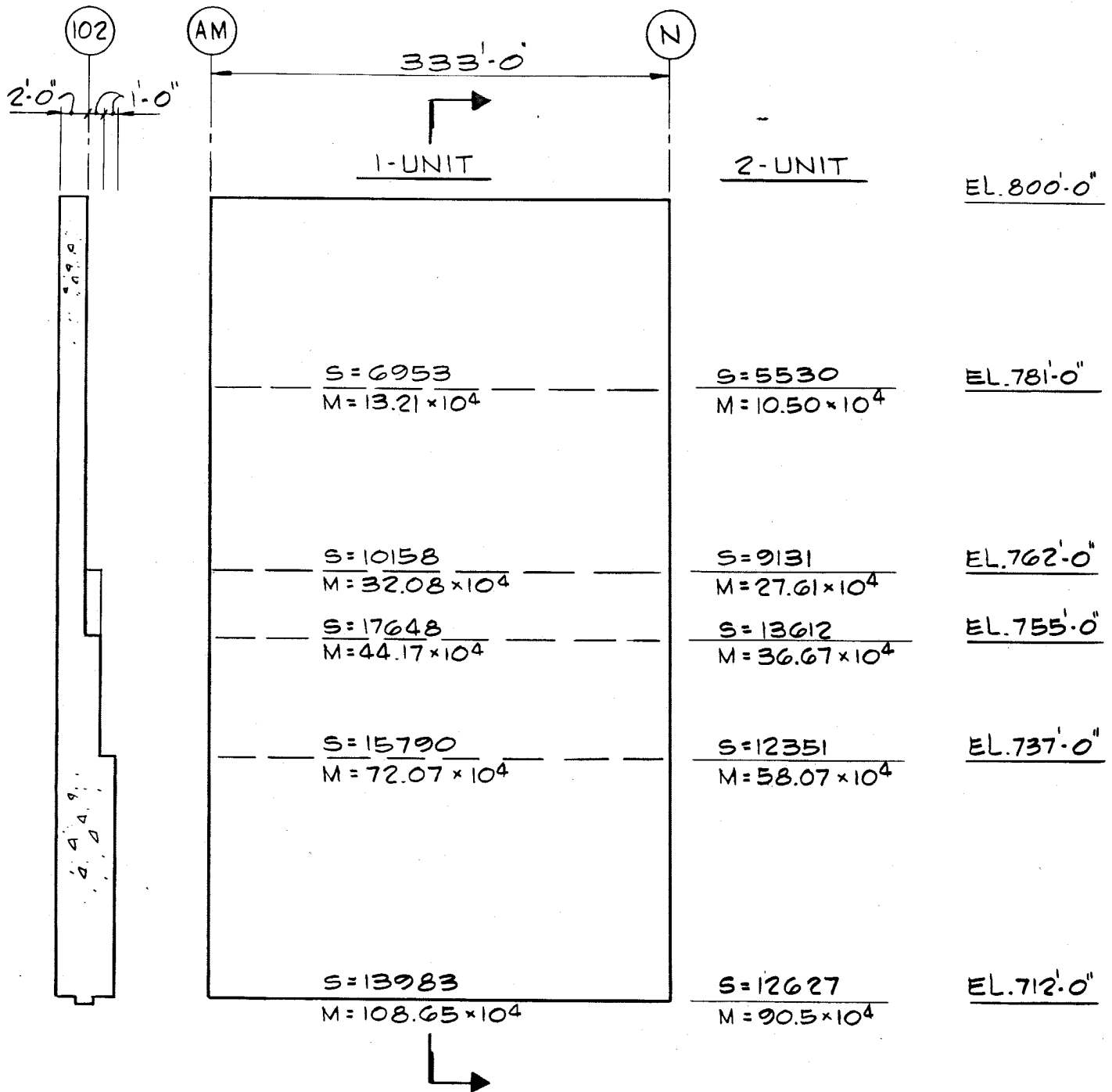
- NOTES:
1. "S" DENOTES SHEAR FORCE (KIPS)
 2. "M" DENOTES OVERTURNING MOMENTS (KIP-FT.)
 3. SHEAR FORCES AND MOMENTS SHOWN ARE FOR SSE LOADING.

NOTE: UNIT 2 HAS BEEN CANCELLED.

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FIGURE 3.7-35

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



ELEVATION OF SHEAR WALL ALONG COLUMN ROW "102"

NOTES:

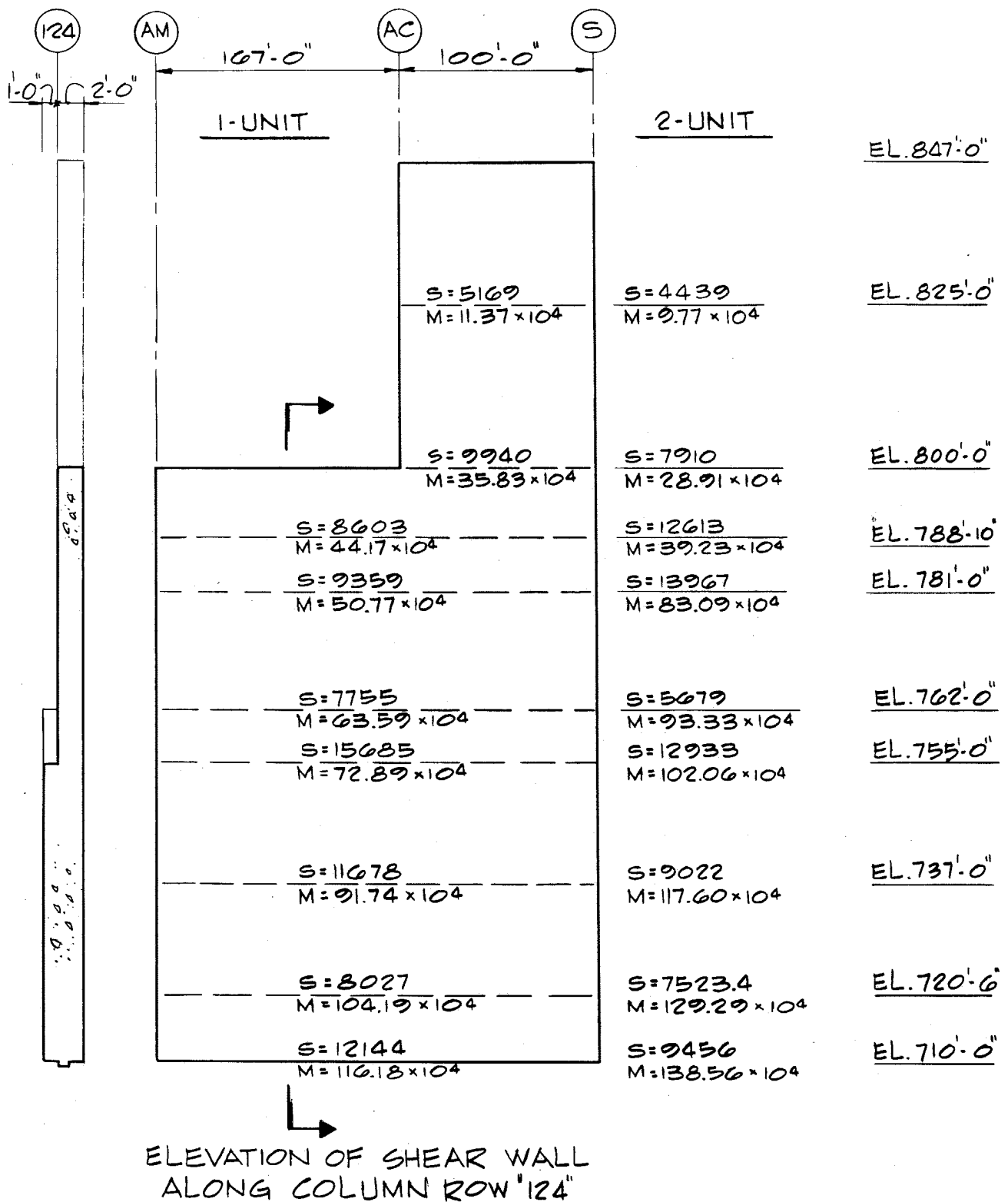
1. "S" DENOTES SHEAR FORCE (KIPS).
- "M" DENOTES OVERTURNING MOMENTS (KIP-FT.).
2. SHEAR FORCES AND MOMENTS SHOWN ARE FOR SSE LOADING.

NOTE: UNIT 2 HAS BEEN CANCELLED.

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FIGURE 3.7-36

SEISMIC RESPONSE LOAD FOR SSE
FOR SHEAR WALLS - COLUMN ROW "102"



NOTES:

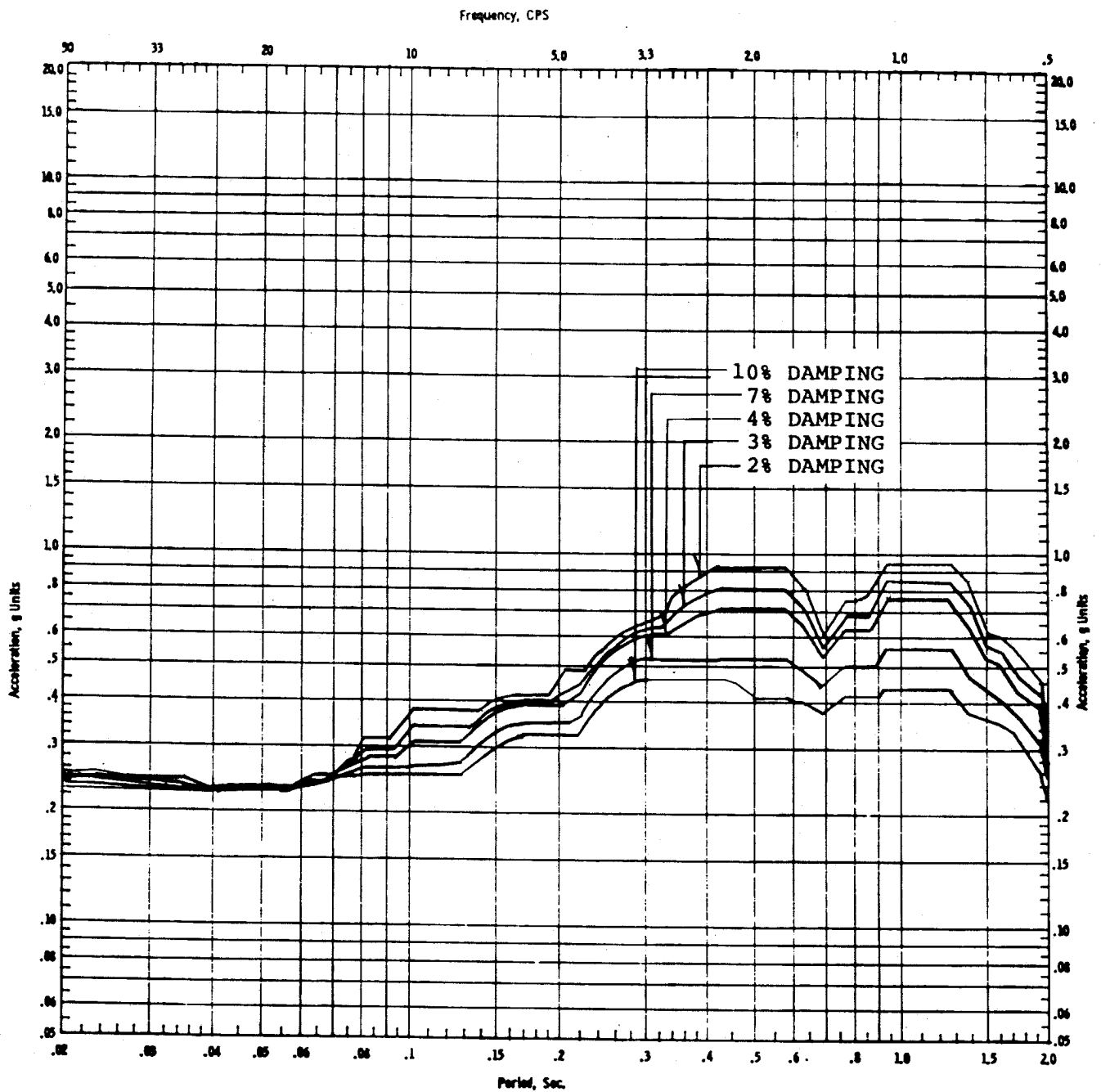
1. "S" DENOTES SHEAR FORCE (KIPS)
- "M" DENOTES OVERTURNING MOMENTS (KIP-FT.)
2. SHEAR FORCES AND MOMENTS SHOWN ARE FOR SSE LOADING.

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

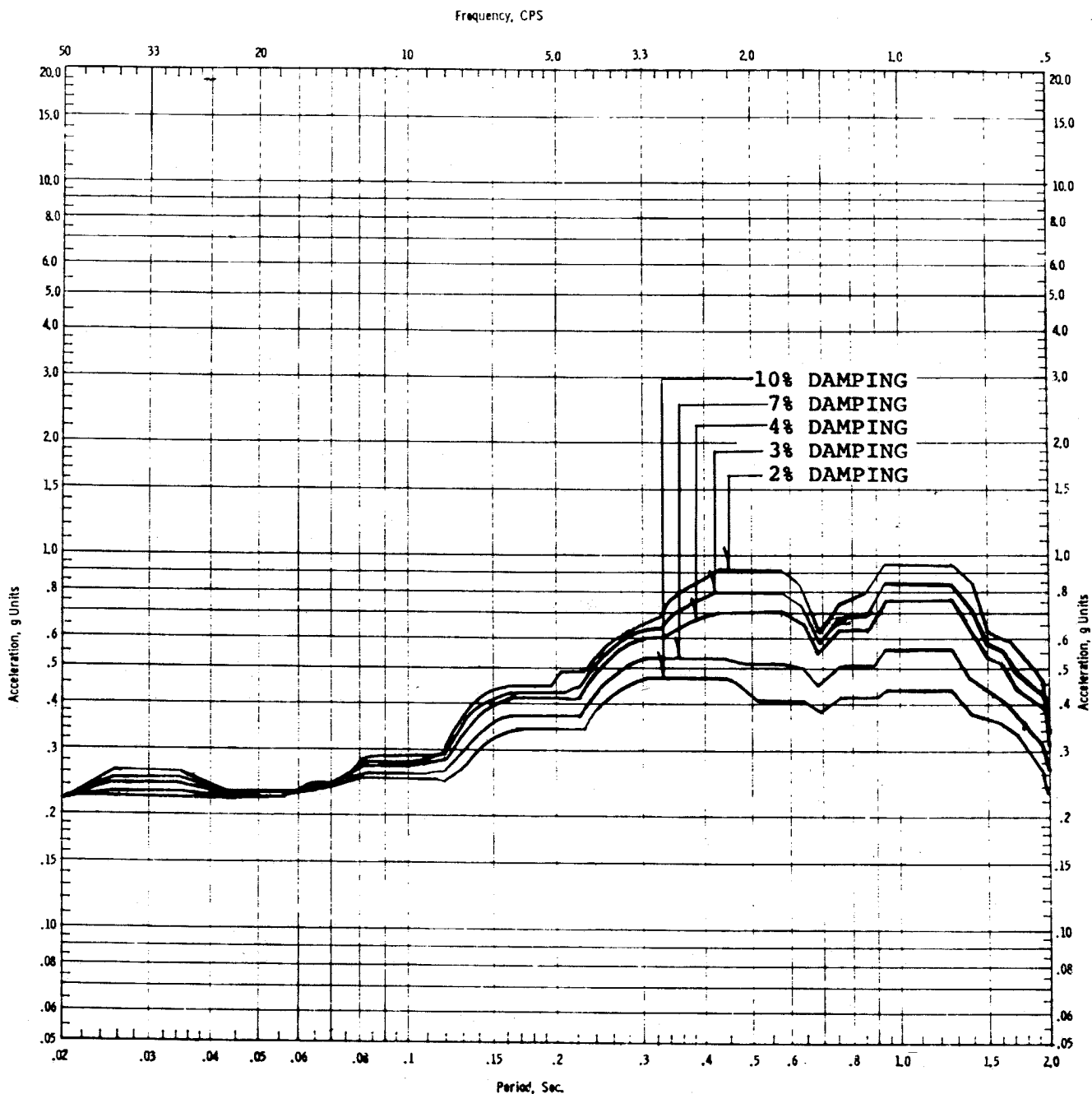
LOCATION: Aux., Fuel, Control, Diesel,
Radwaste & Turbine Bldgs.

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.

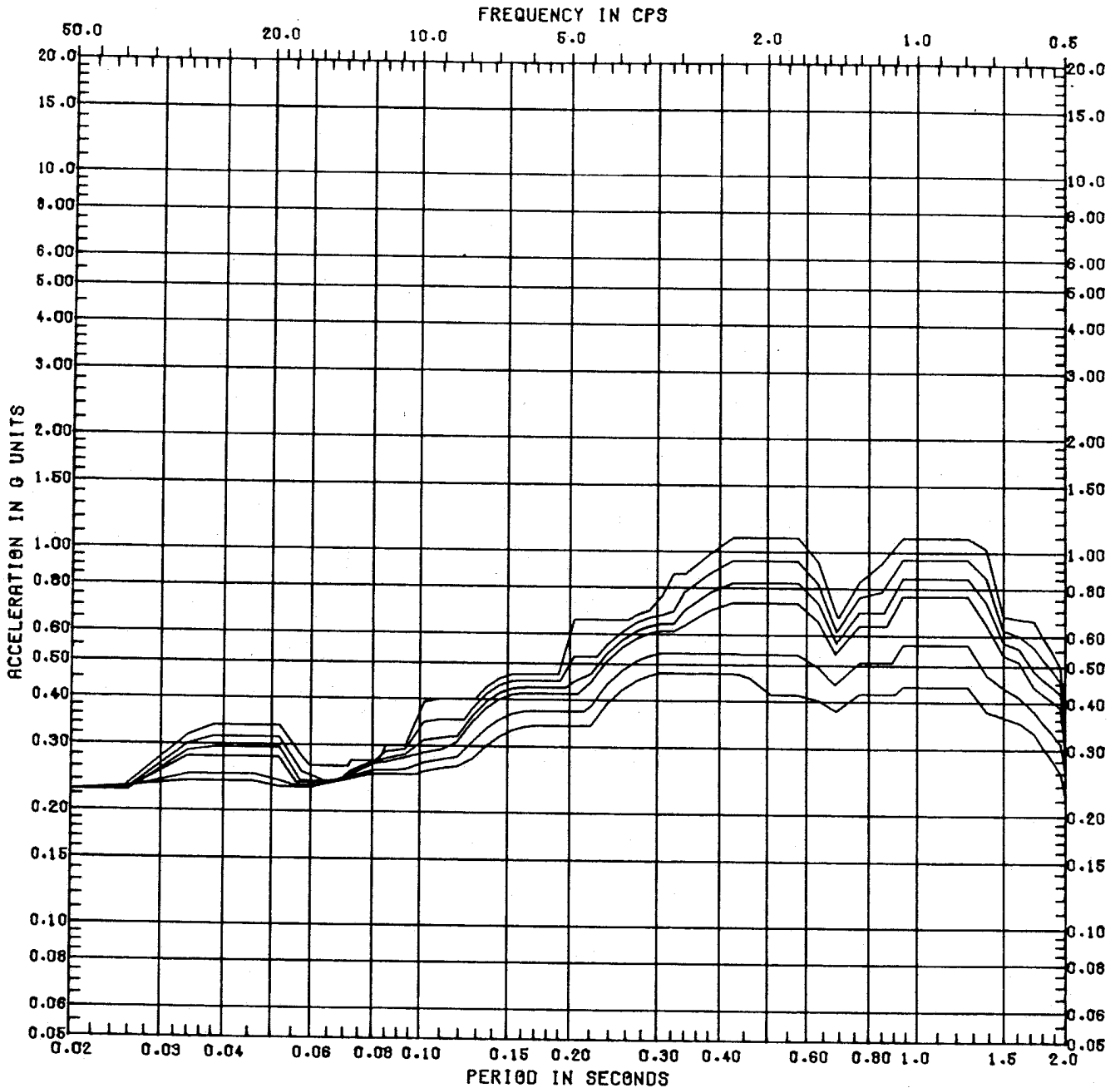
LOCATION: Aux., Fuel, Control,
Diesel, Radwaste & Turbine
Bldgs.
ELEVATION:

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)

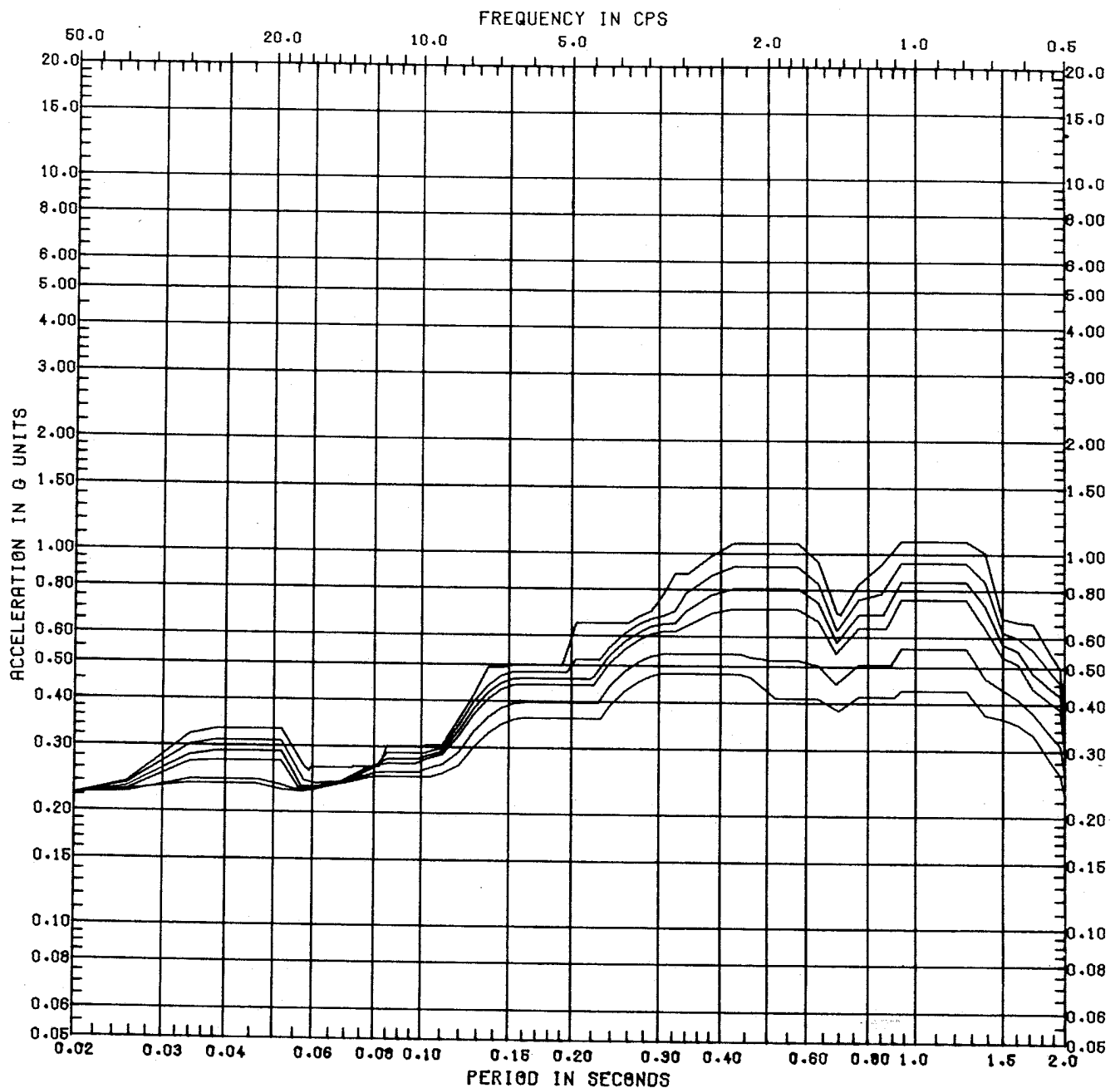
SPECTRA NO. 317-SS-EW
 322-SS-EW

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)

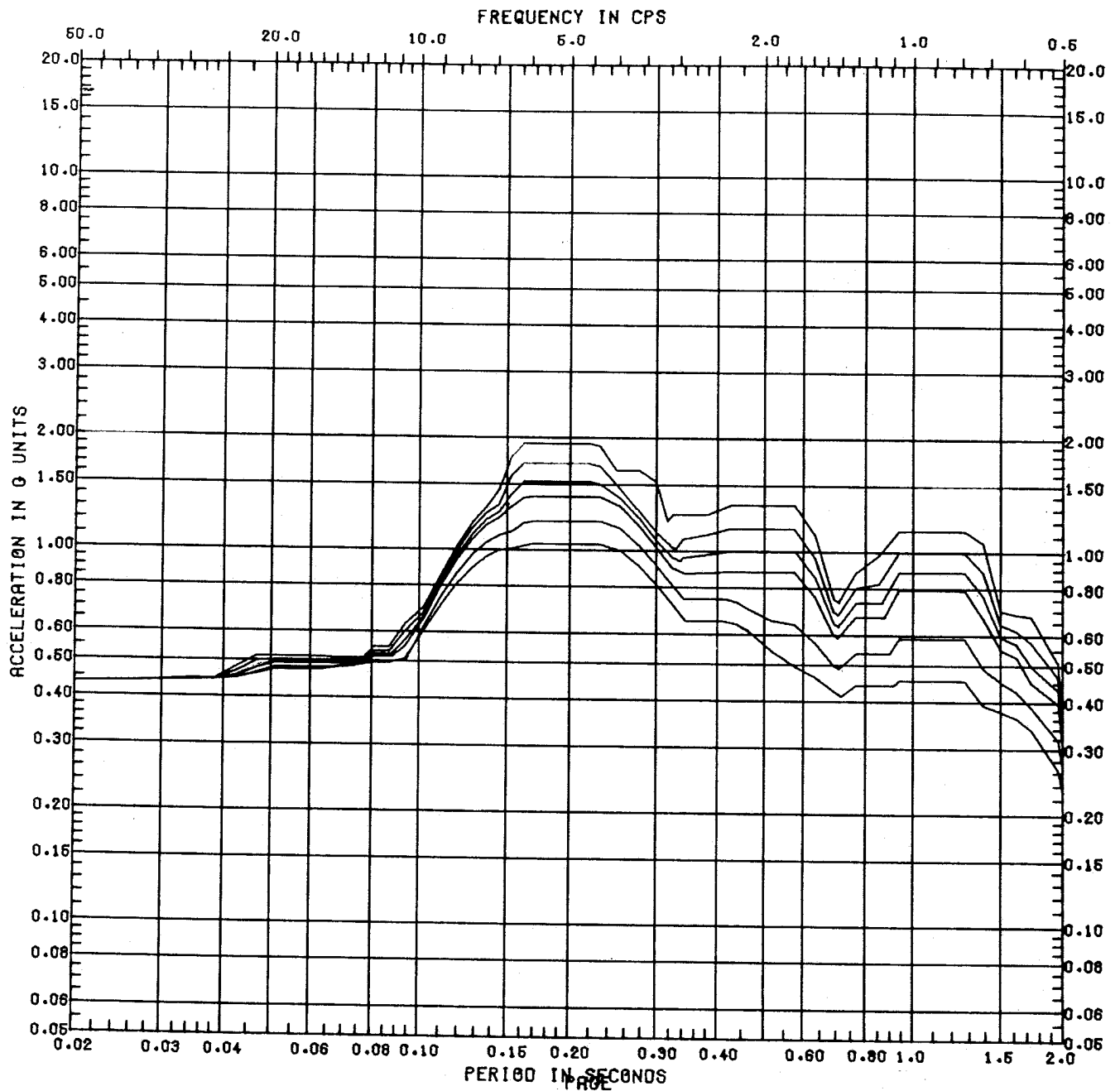
SPECTRA NO. 317-SS-NS
 322-SS-NS

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



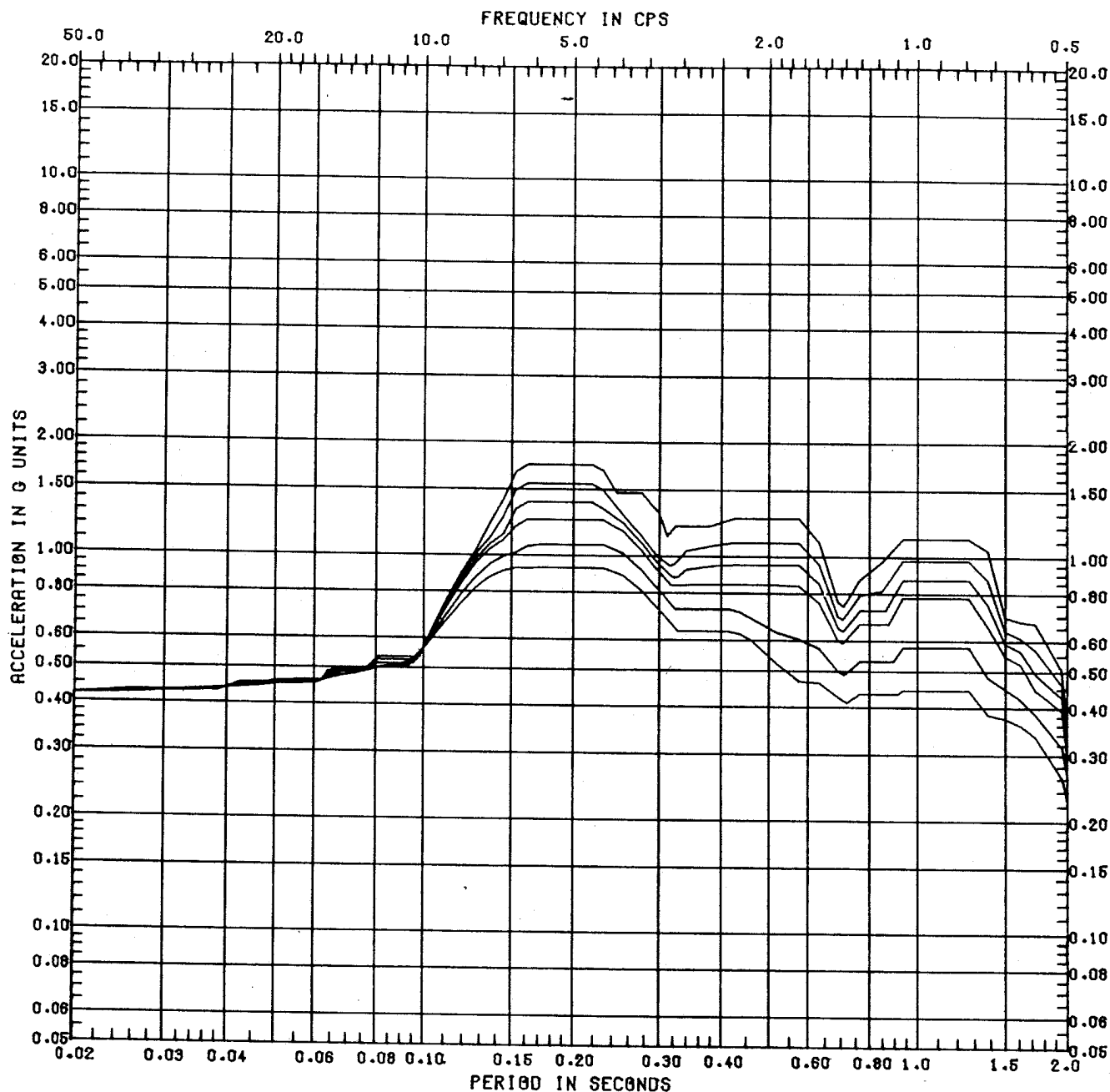
HORIZ. RESPONSE SPECTRA
 ELEVATION 803'-3", 828'-3"
 LOCATION Drywell

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

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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

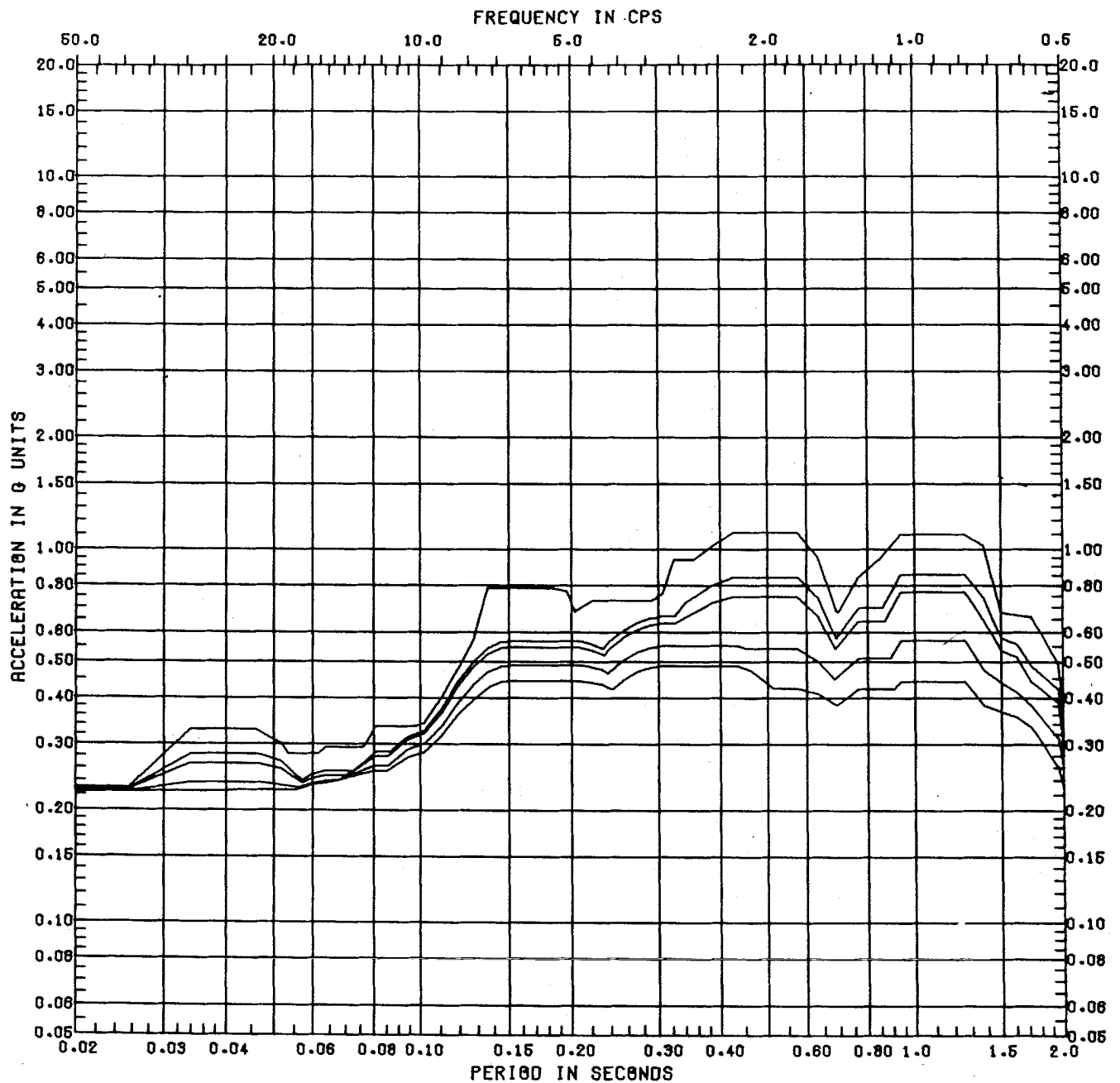
SPECTRA NO. 315-SS-NS
 316-SS-NS

REVISION NO. 02

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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"

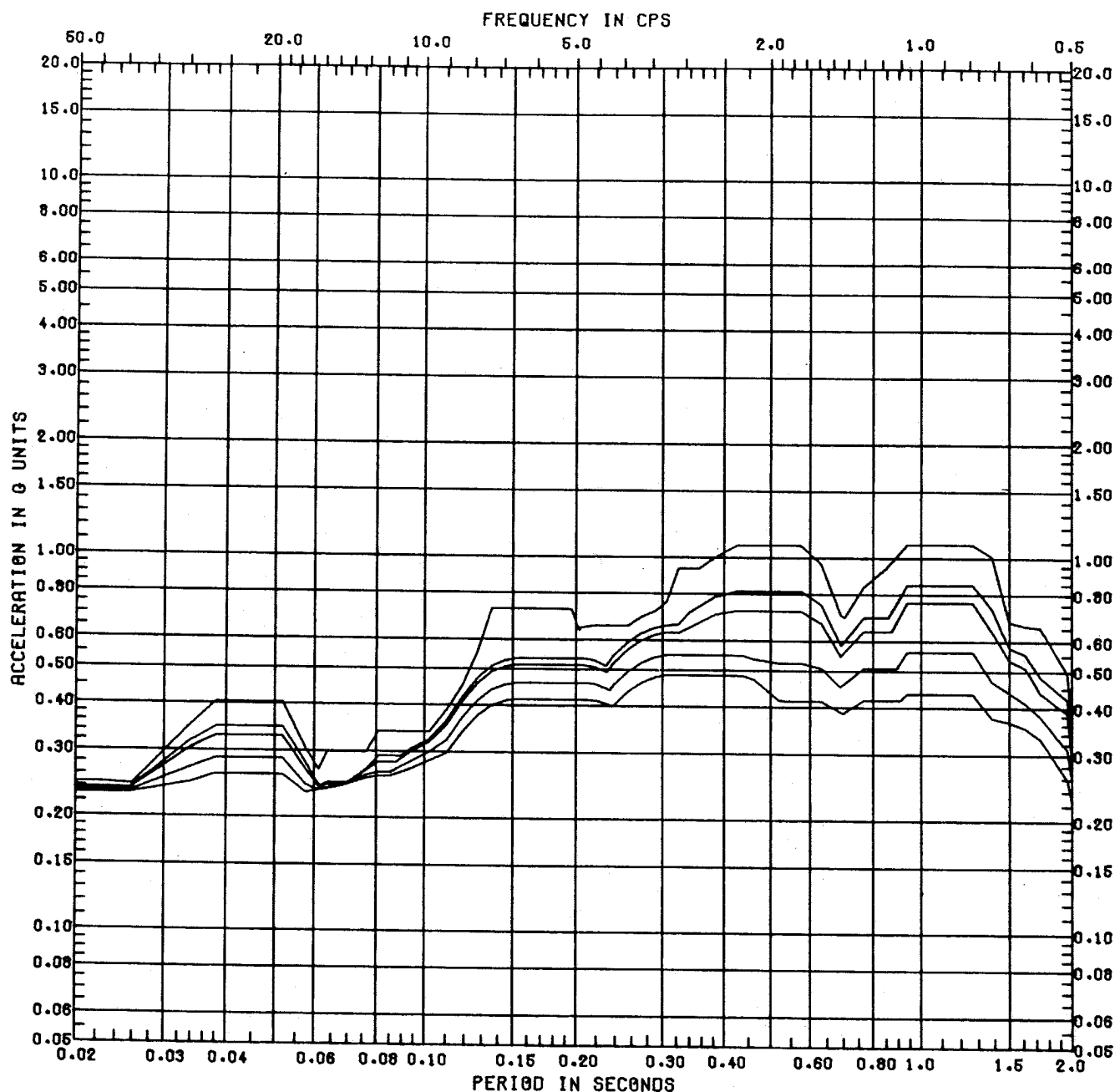
LOCATION Aux., Fuel, Control, Diesel,
Radwaste, & Turbine Bldgs.

REVISION NO.02

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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"

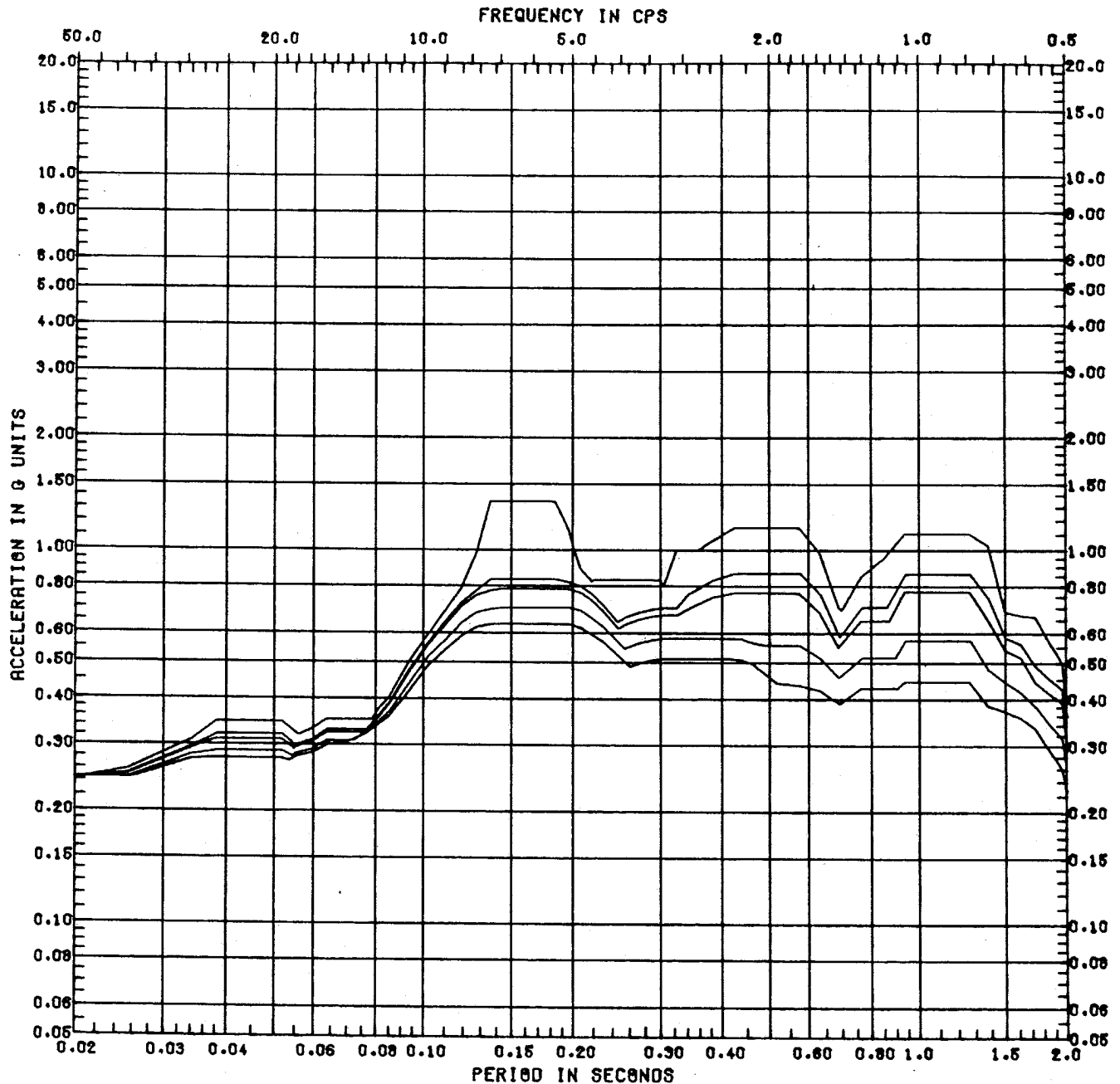
LOCATION Aux., Fuel, Control,
Diesel, Radwaste, & Turbine
Bldgs.

REVISION NO. 02

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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.

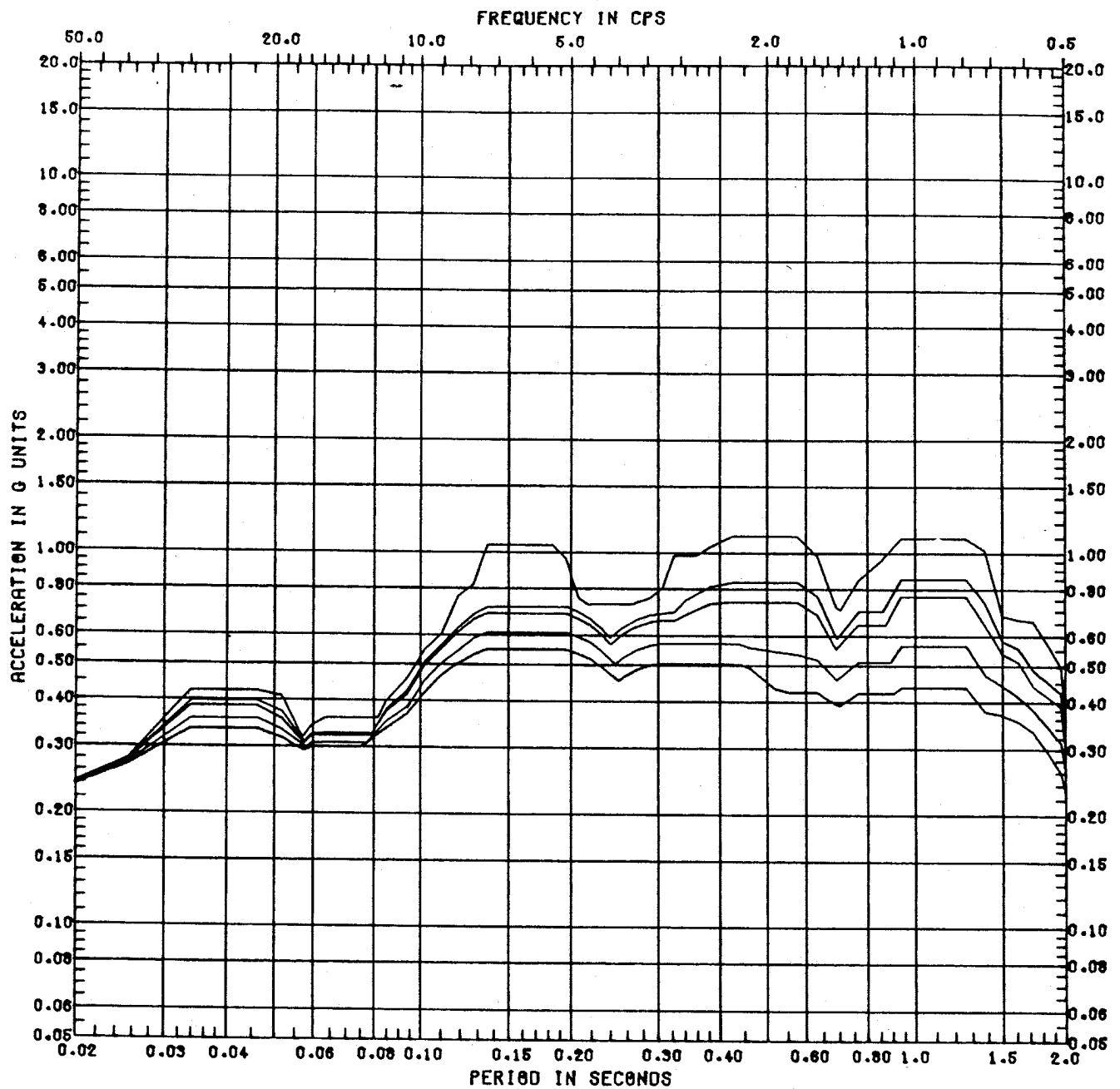
SPECTRA NO. 105 to 105d-SS-EW
205-SS-EW

REVISION NO. 02

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FIGURE 3.7-46

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



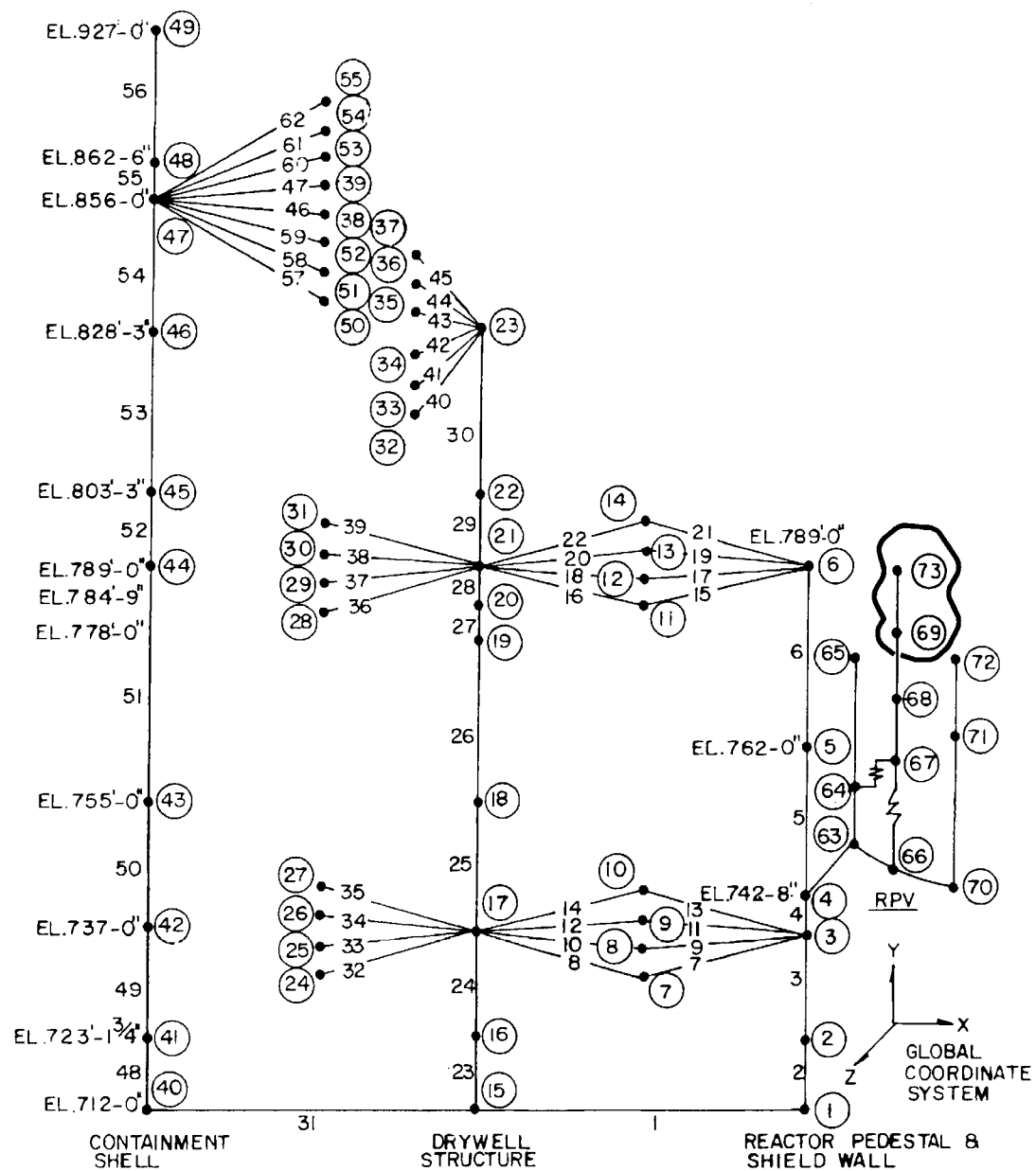
HORIZ. RESPONSE SPECTRA
 ELEVATION 762'-0"
 LOCATION Aux., Control, Diesel,
 Radwaste & Turbine Bldgs

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

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 UPDATED SAFETY ANALYSIS REPORT

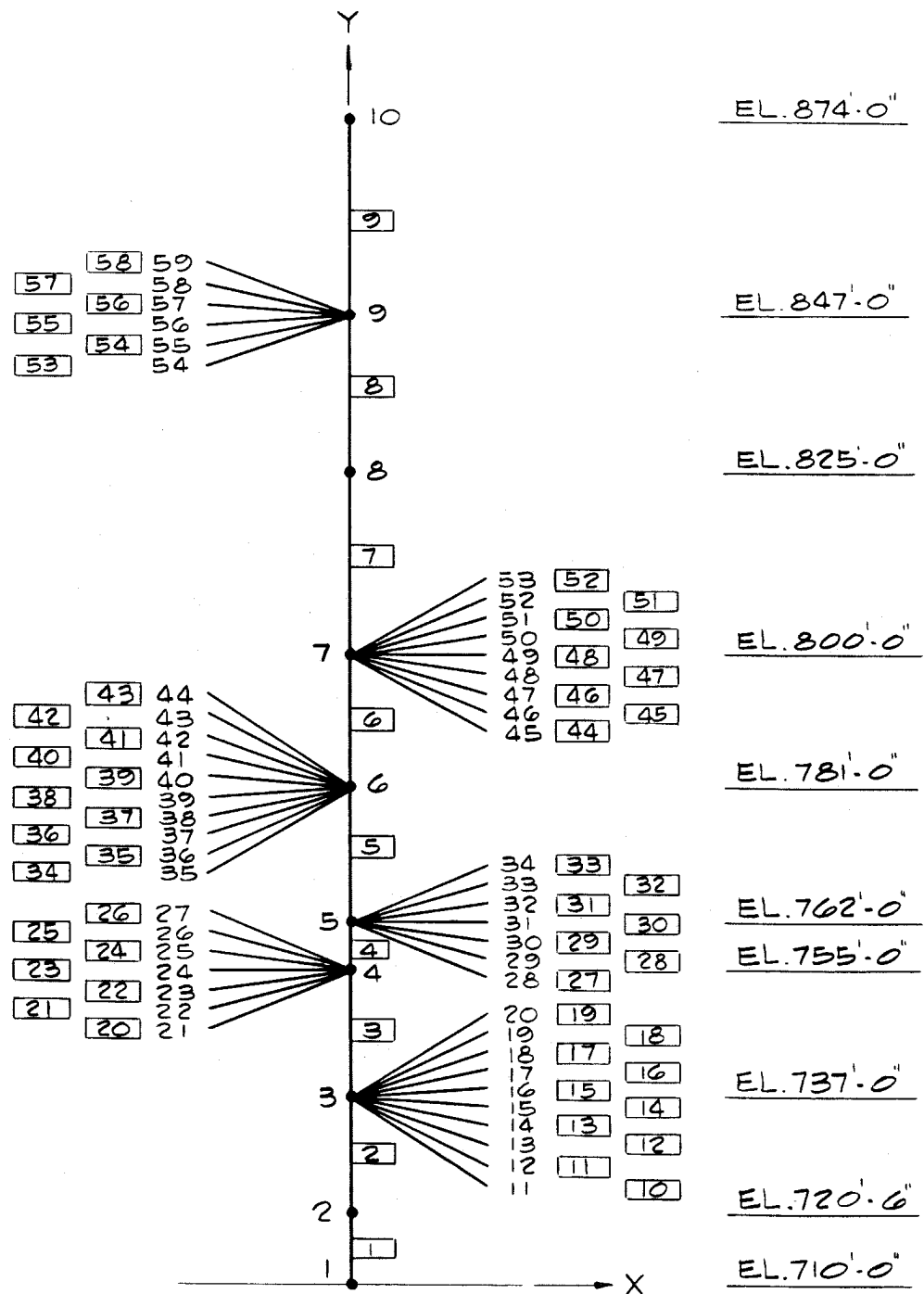
FIGURE 3.7-47

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



CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

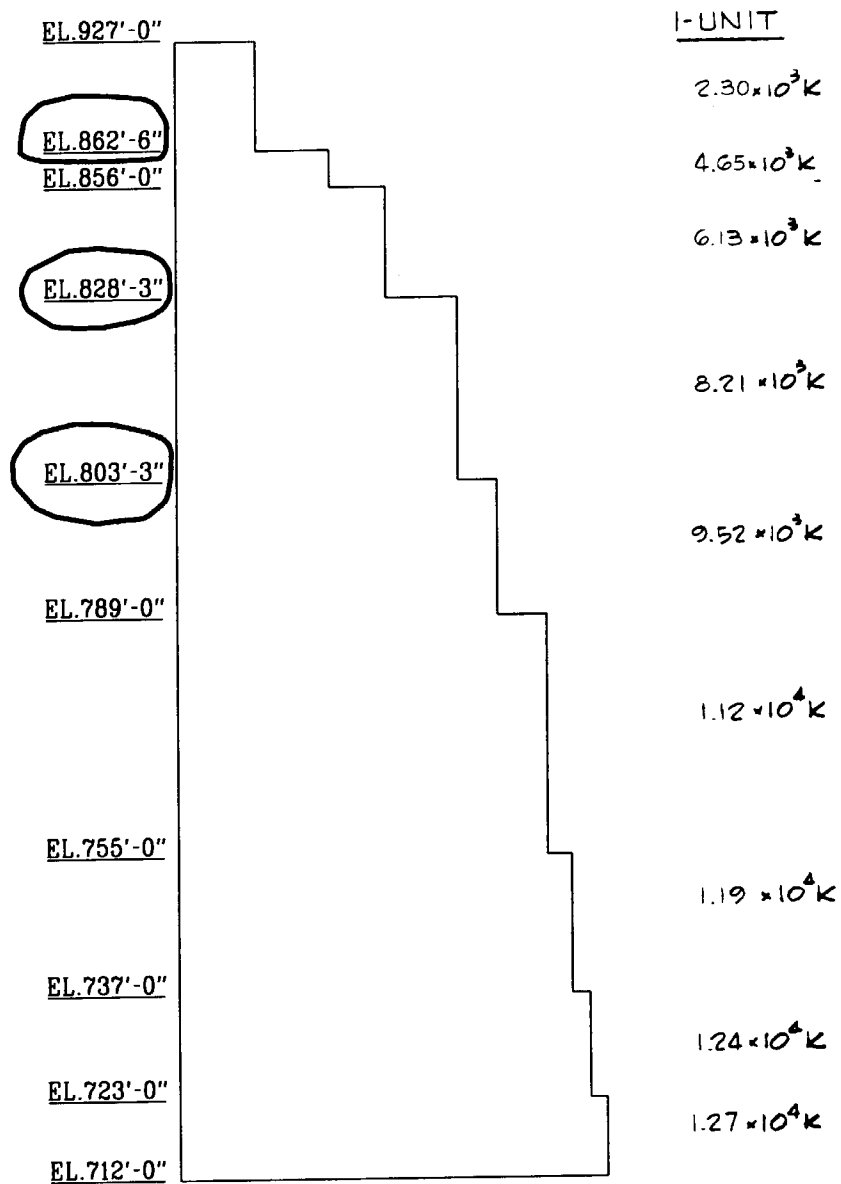
FIGURE 3.7-48
CONTAINMENT BUILDING
MODEL FOR VERTICAL EXCITATION



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UPDATED SAFETY ANALYSIS REPORT

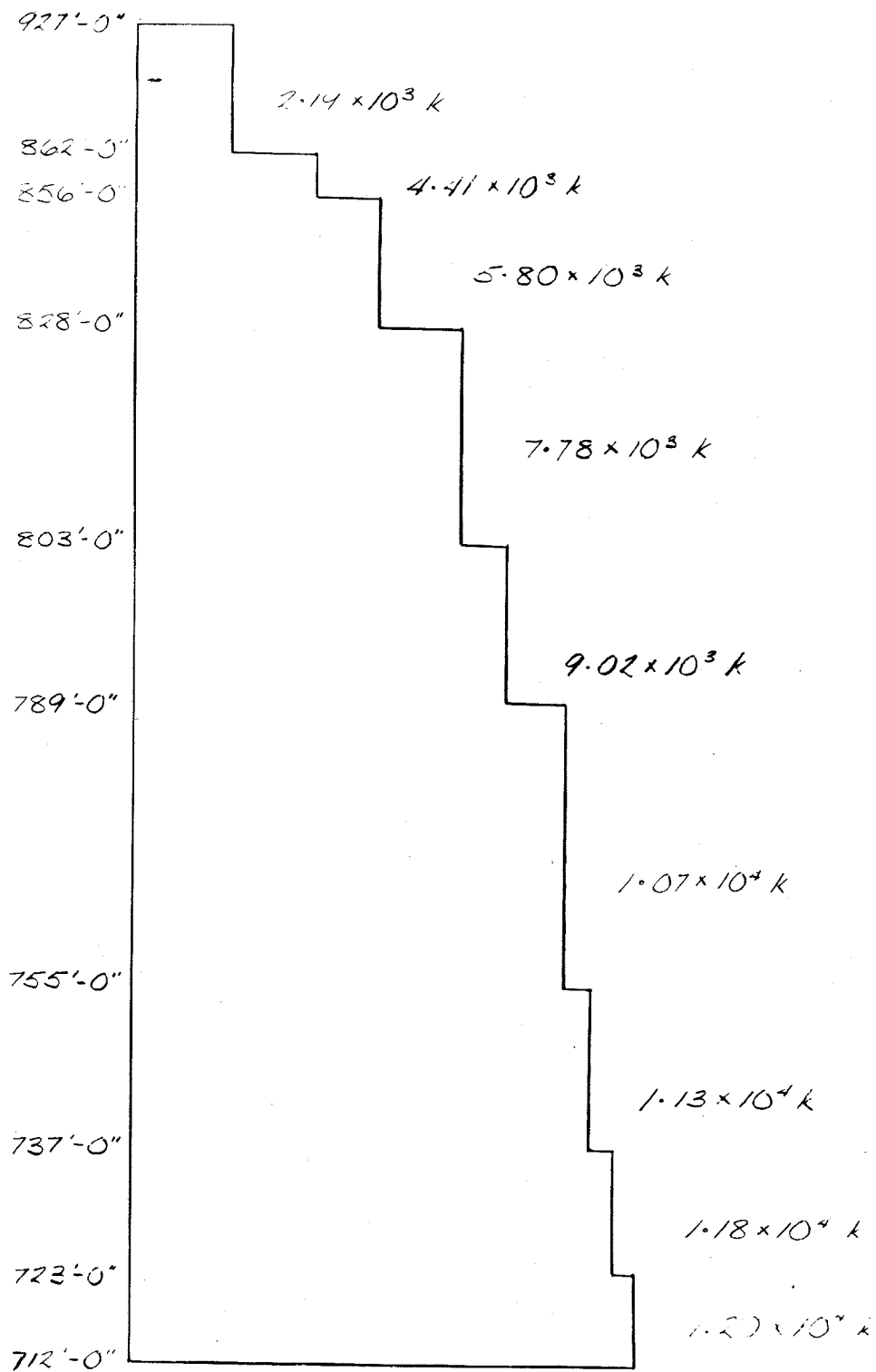
FIGURE 3.7-49

MAIN BUILDING MODEL
FOR VERTICAL EXCITATION



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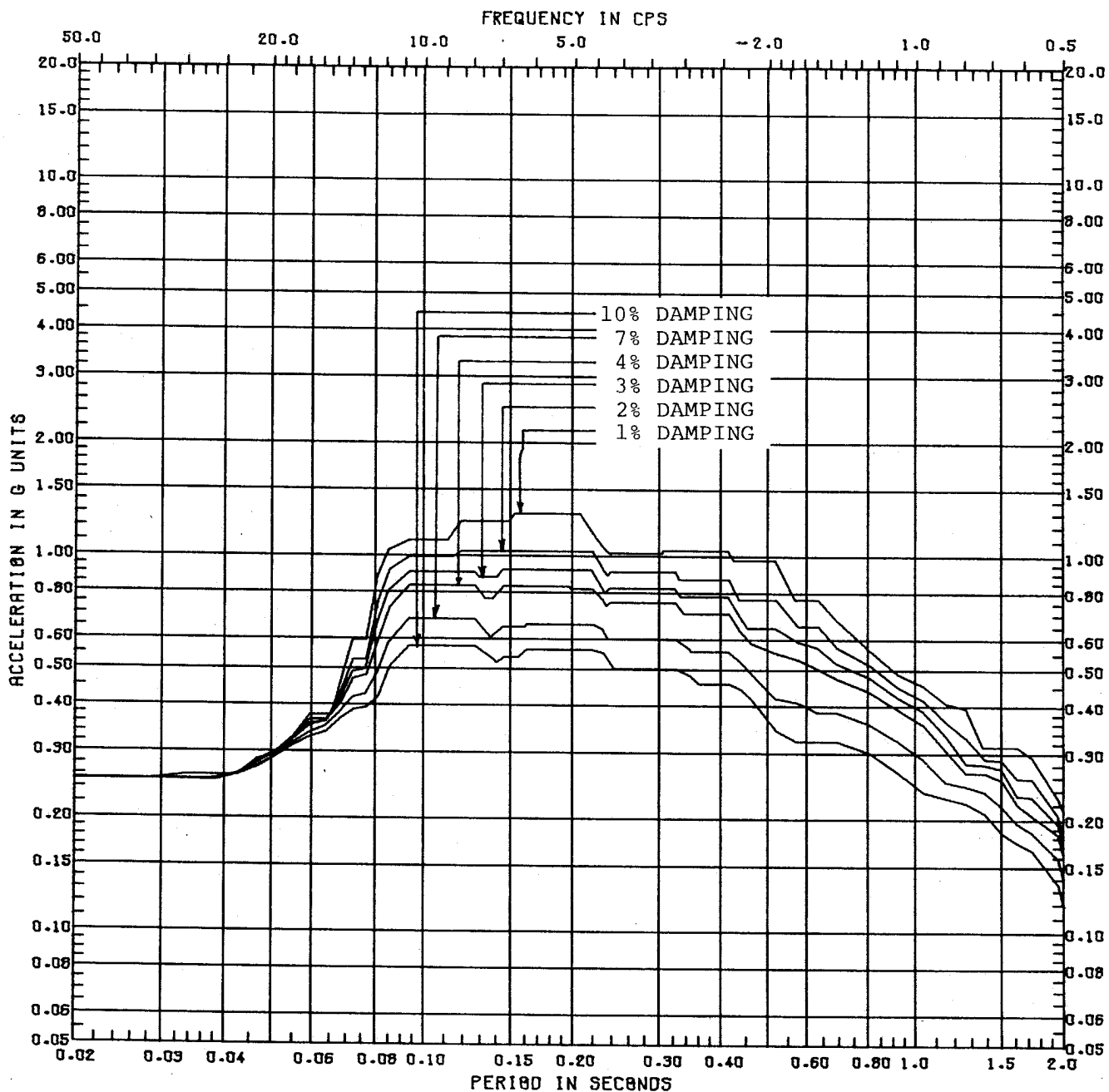
FIGURE 3.7-50
SEISMIC SSE LOAD FOR AXIAL
FORCES FOR CONTAINMENT-1-UNIT



NOTE: UNIT 2 HAS BEEN CANCELLED.

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FIGURE 3.7-51
TOTAL AXIAL FORCE - CONTAINMENT 2-UNIT
VERTICAL SSE



VERT RESPONSE SPECTRA

SPECTRA NO. 100-SS-VS & VI

ELEVATION Basemat Floor

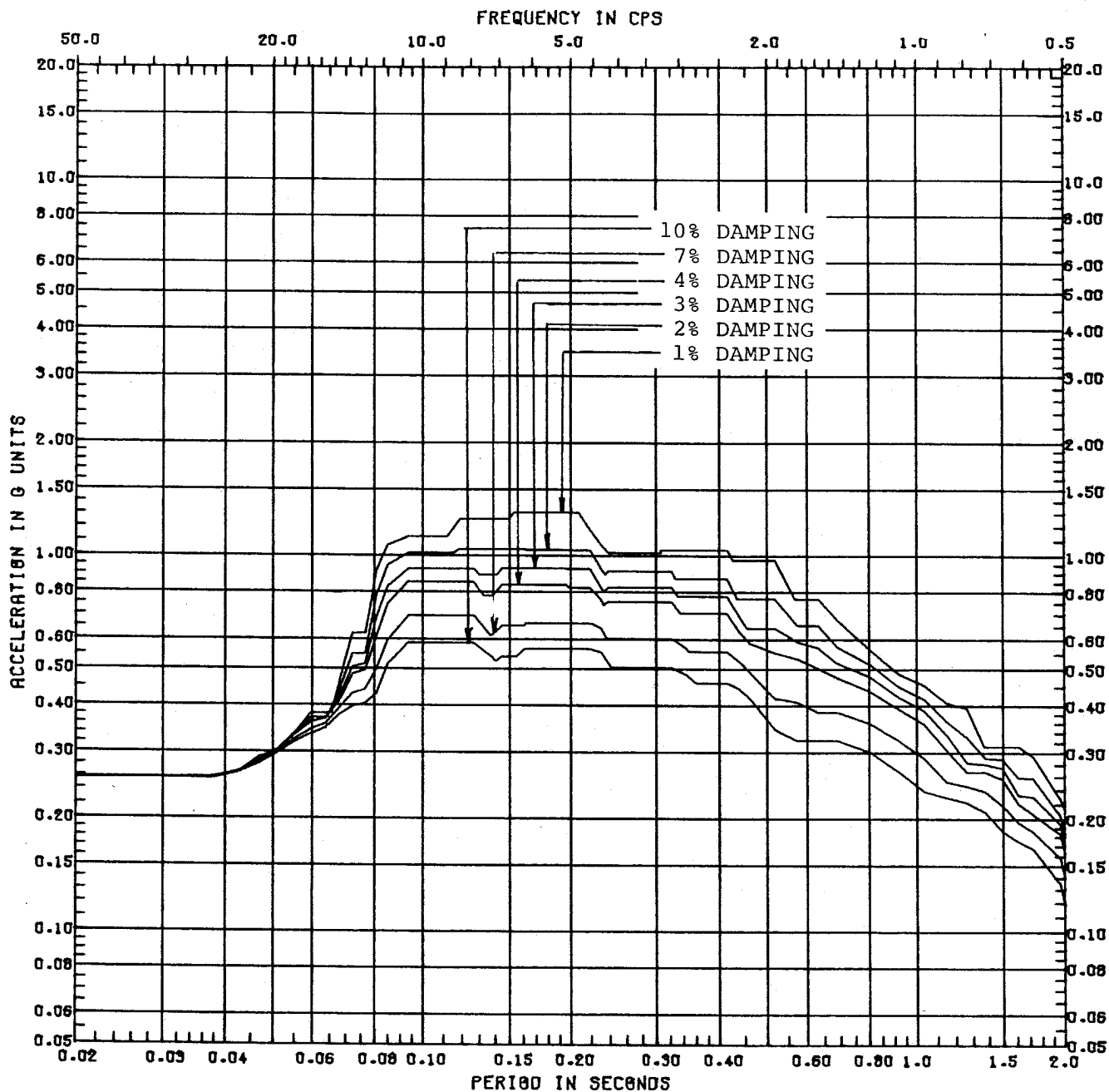
LOCATION Aux., Fuel, Control, Diesel,
Radwaste & Turbine Bldgs.

REVISION NO. 05

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FIGURE 3.7-52

VERTICAL SSE RESPONSE SPECTRA
AT BASE MAT FLOOR



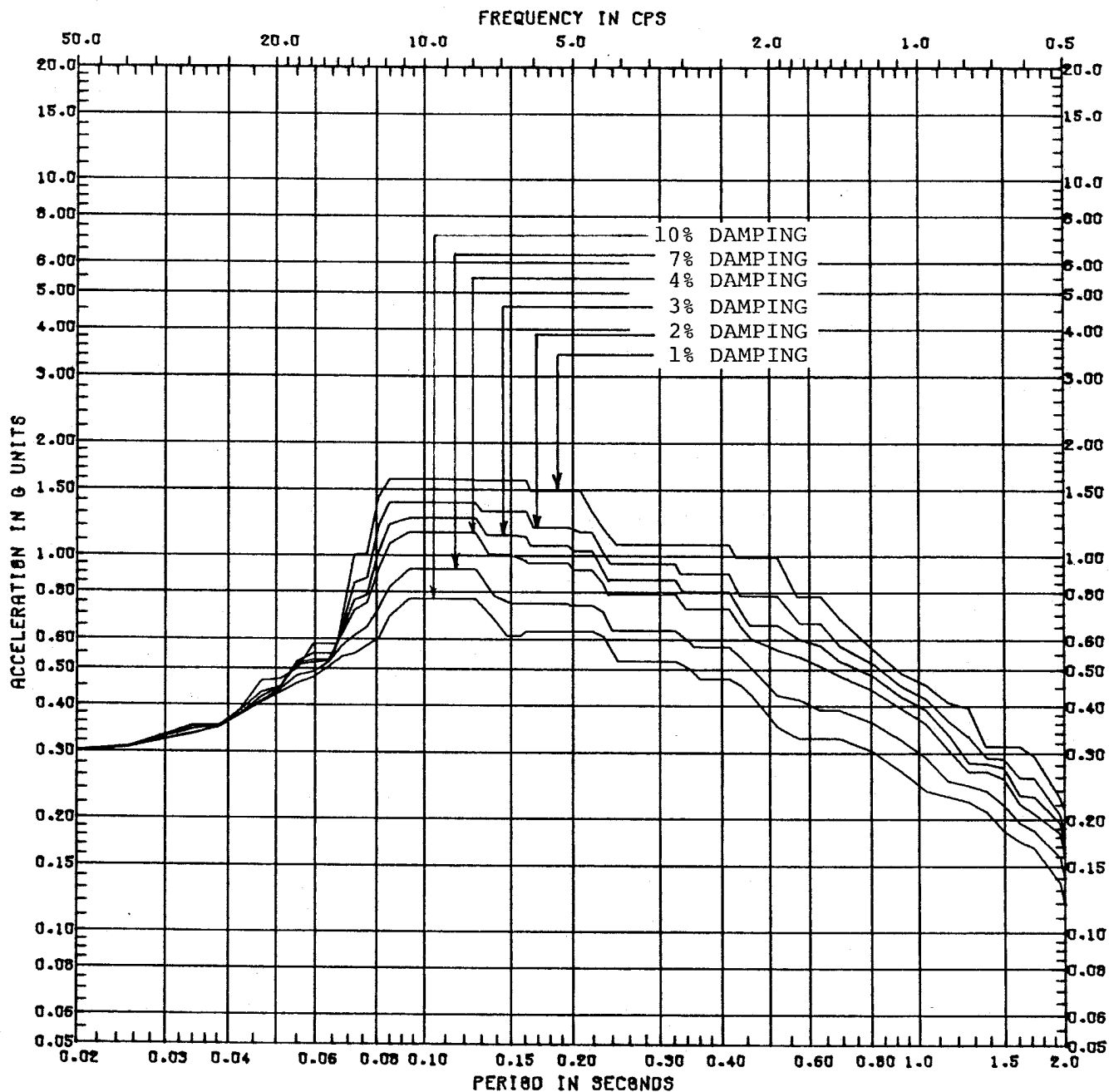
VERT RESPONSE SPECTRA
 ELEVATION 742'-8"
 LOCATION Sacrificial Shield,
 Pedestal, RPV Base

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

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FIGURE 3.7-53

VERTICAL SSE RESPONSE SPECTRA
 AT 742'-8", SACRIFICIAL SHIELD
 PEDESTAL RPV BASE



VERT RESPONSE SPECTRA
ELEVATION 803'-3"
LOCATION Drywell

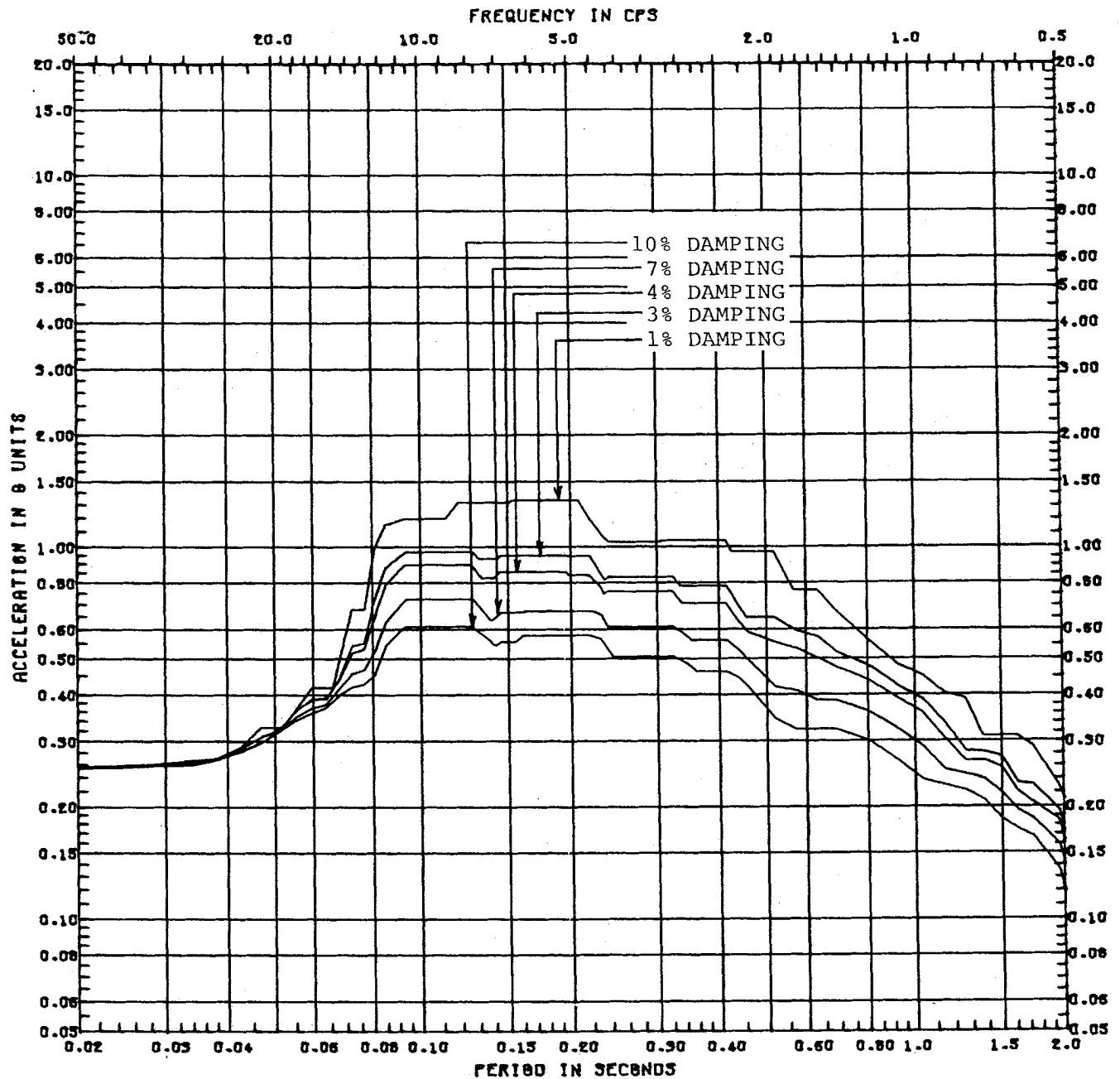
SPECTRA NO. 315-SS-VW

REVISION NO. 05

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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"

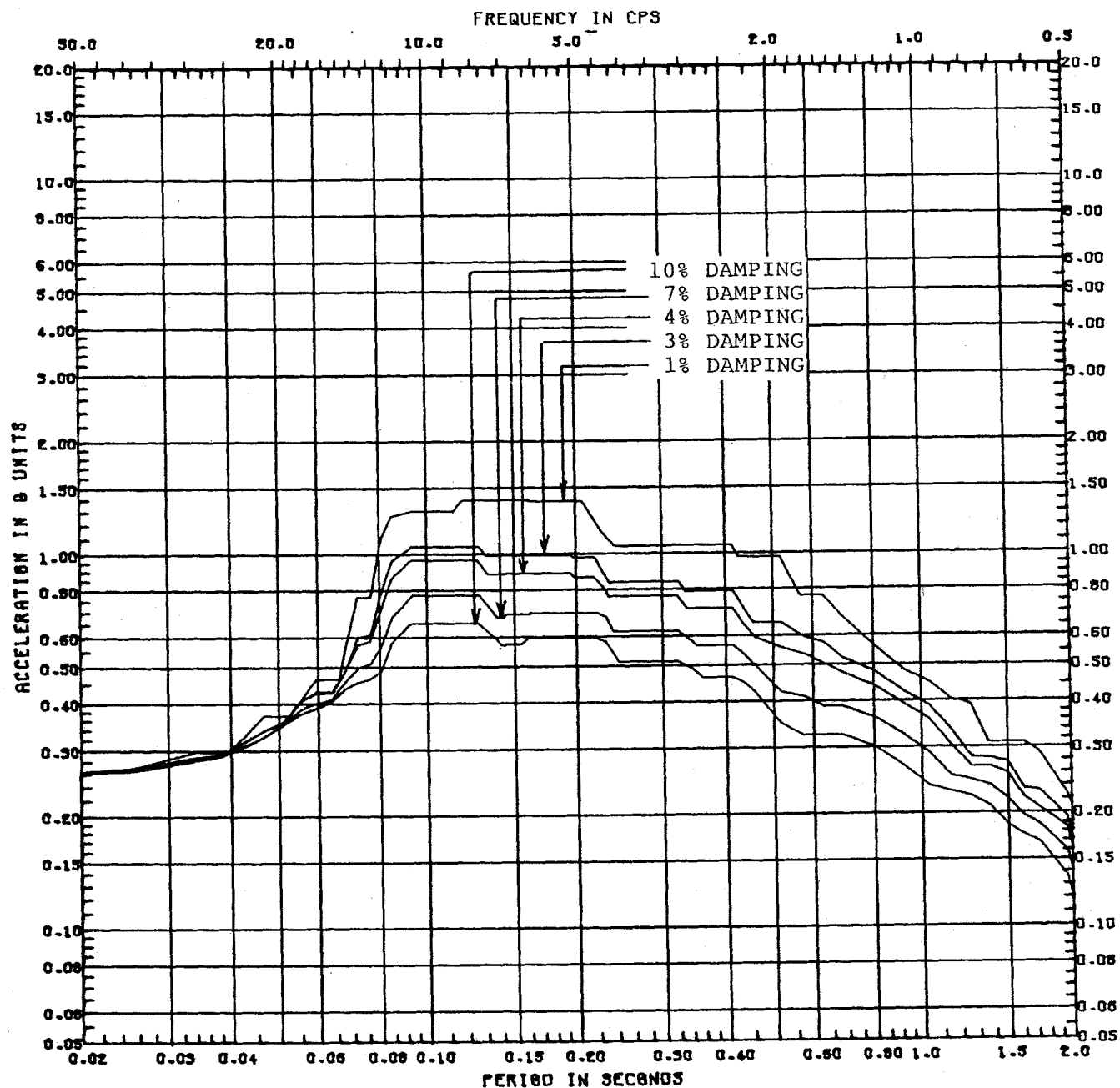
LOCATION Aux, Fuel, Control, Radwaste, Diesel Bldgs.

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FIGURE 3.7-55

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



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

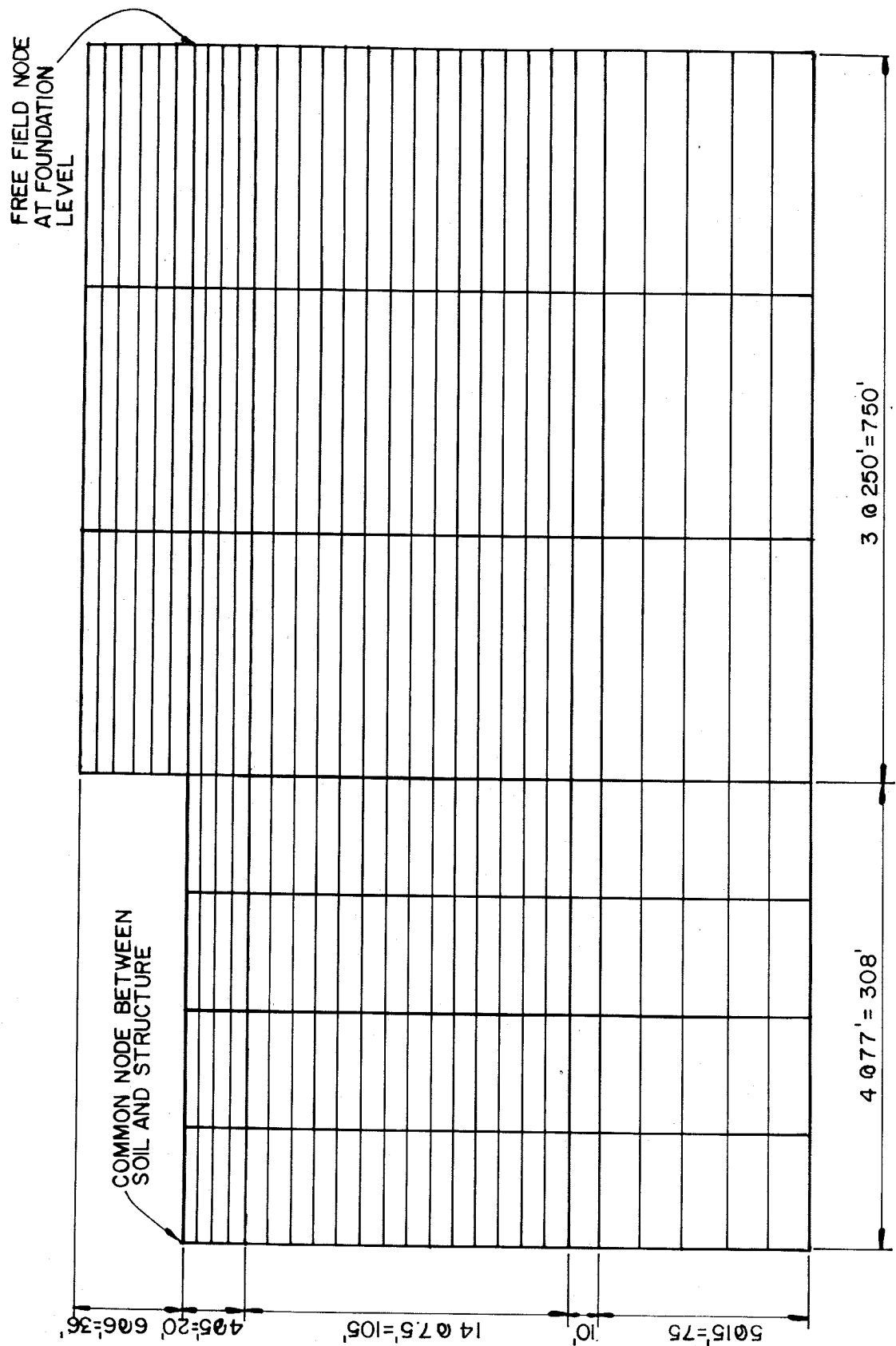
SPECTRA NO. 105 to 105d-SS-VW

REVISION NO. 05

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FIGURE 3.7-56

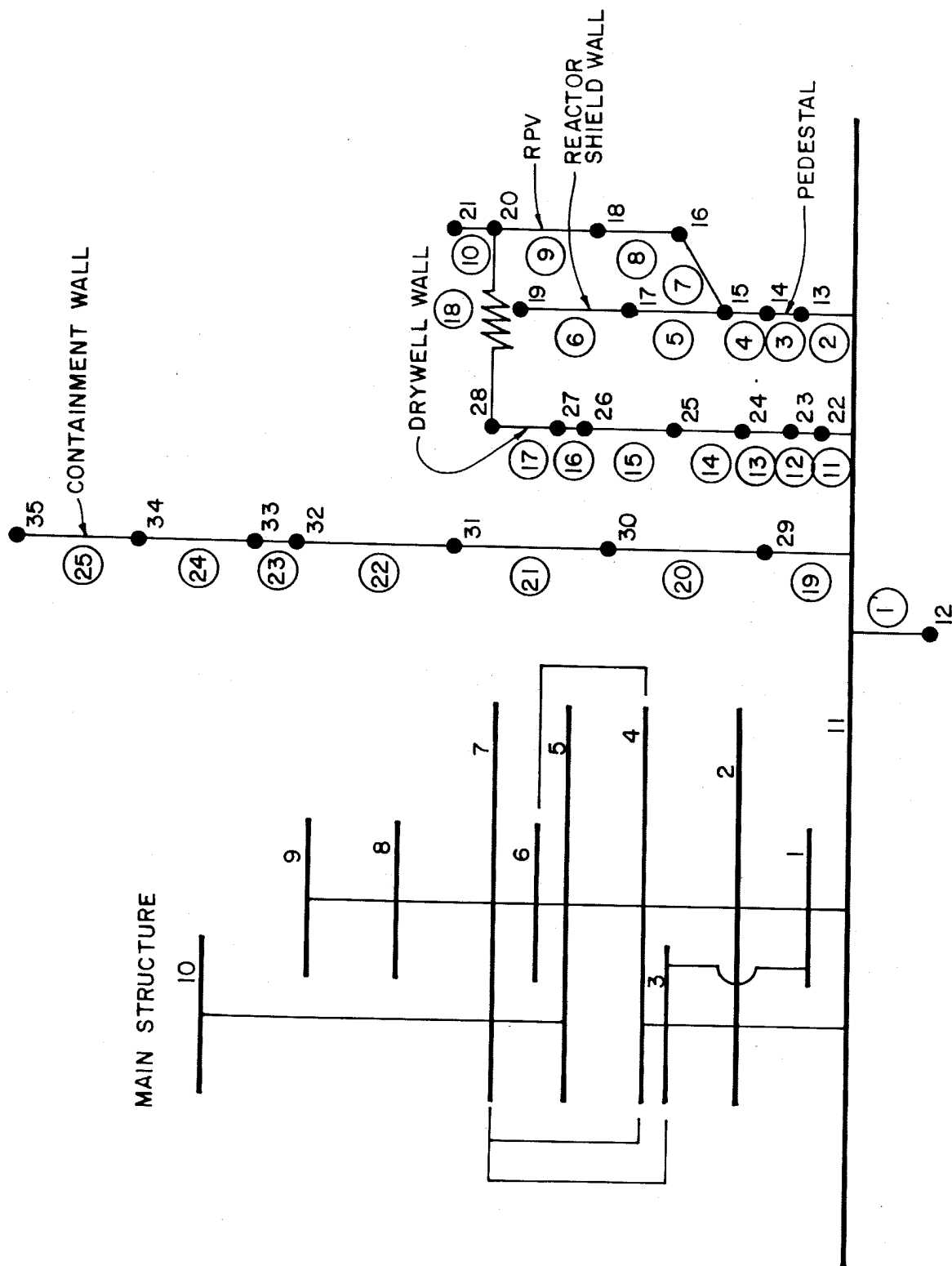
VERTICAL SSE RESPONSE SPECTRA
AT 762'-0" MAIN BUILDING



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UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-57

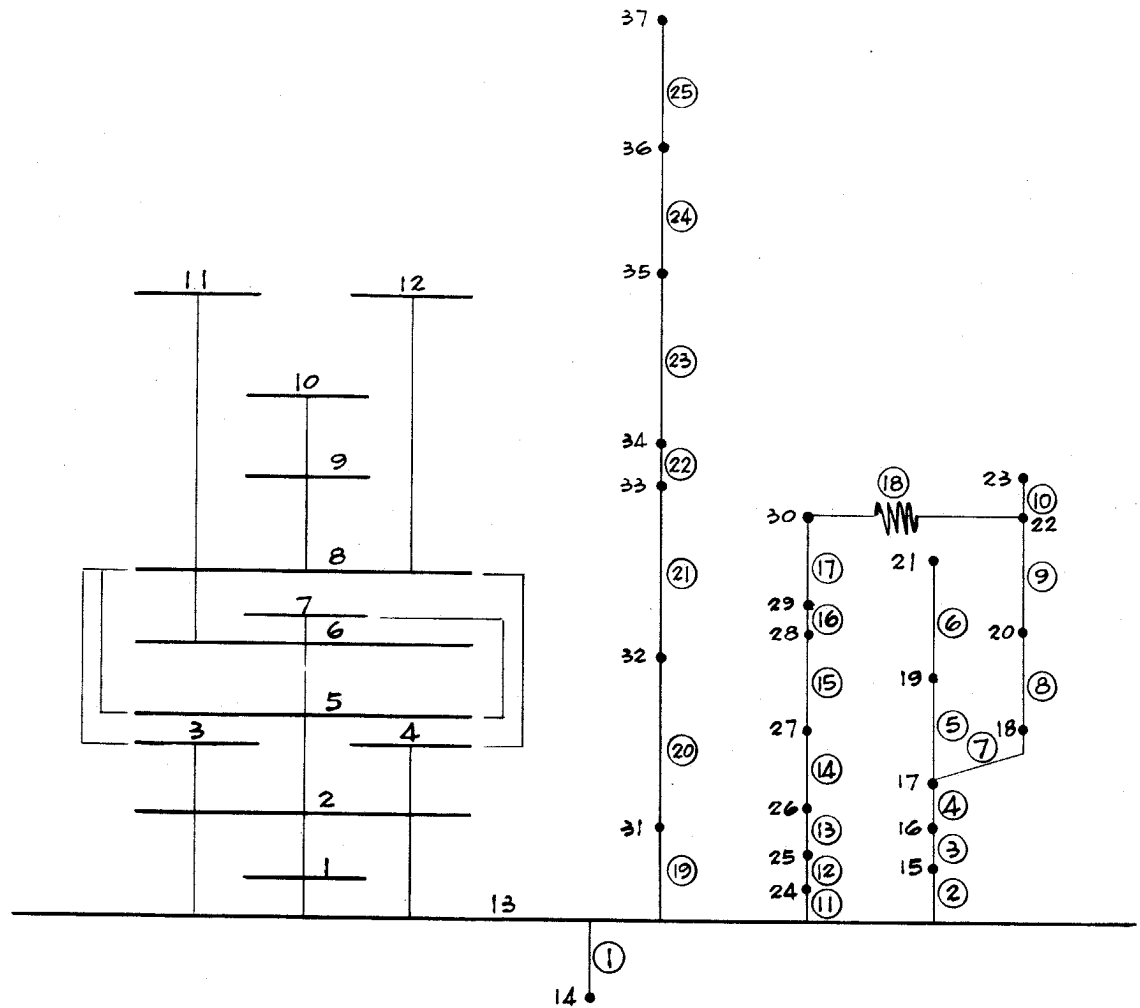
3-D AXISYMMETRIC FINITE
ELEMENT DYNAX SOIL MODEL



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UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-58

HORIZONTAL 1-UNIT
BUILDING MODEL FOR
SOIL STRUCTURE INTERACTION



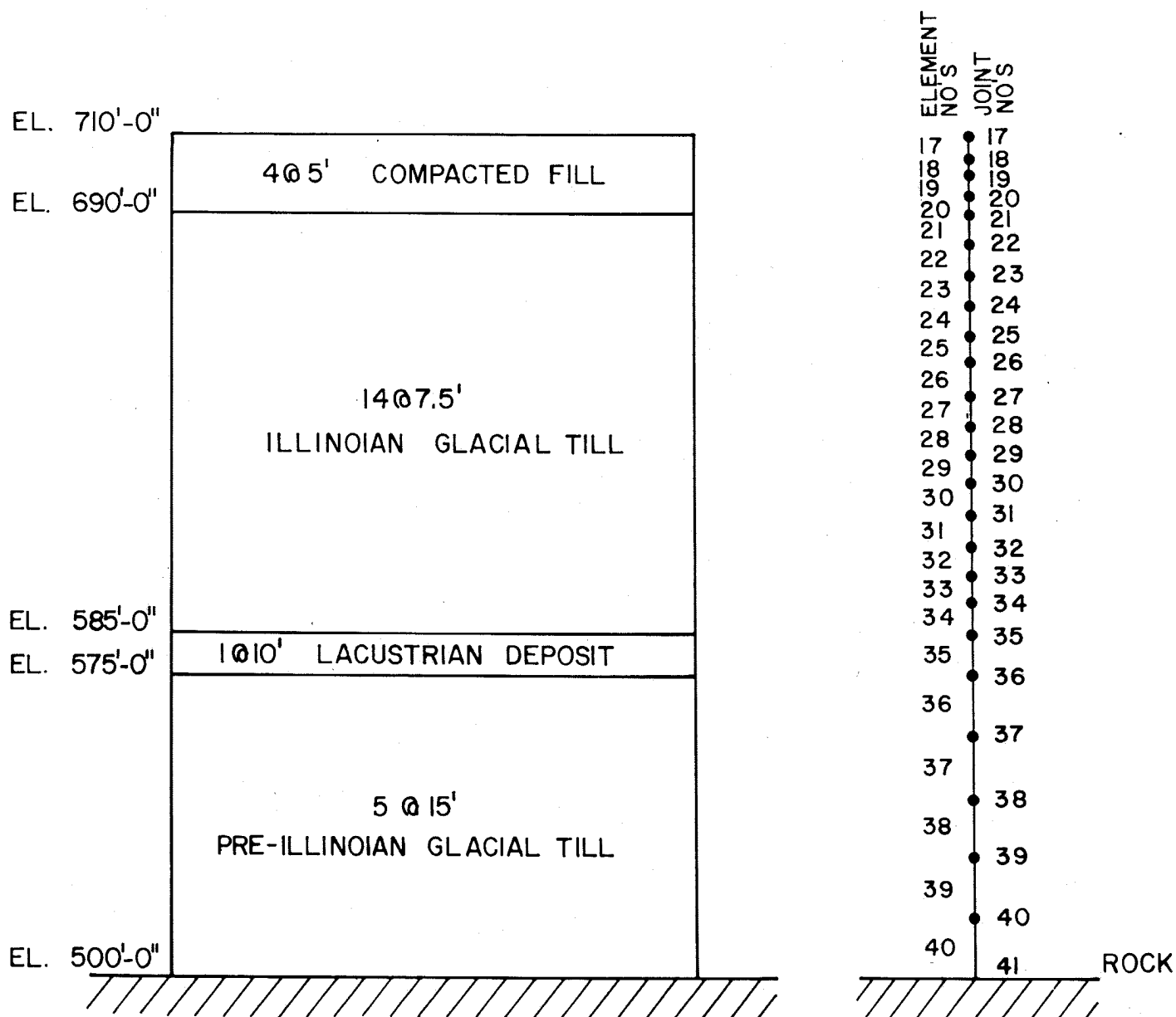
NOTE: UNIT 2 HAS BEEN CANCELLED.

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FIGURE 3.7-59

HORIZONTAL 2-UNIT BUILDING
MODEL FOR SOIL
STRUCTURE INTERACTION

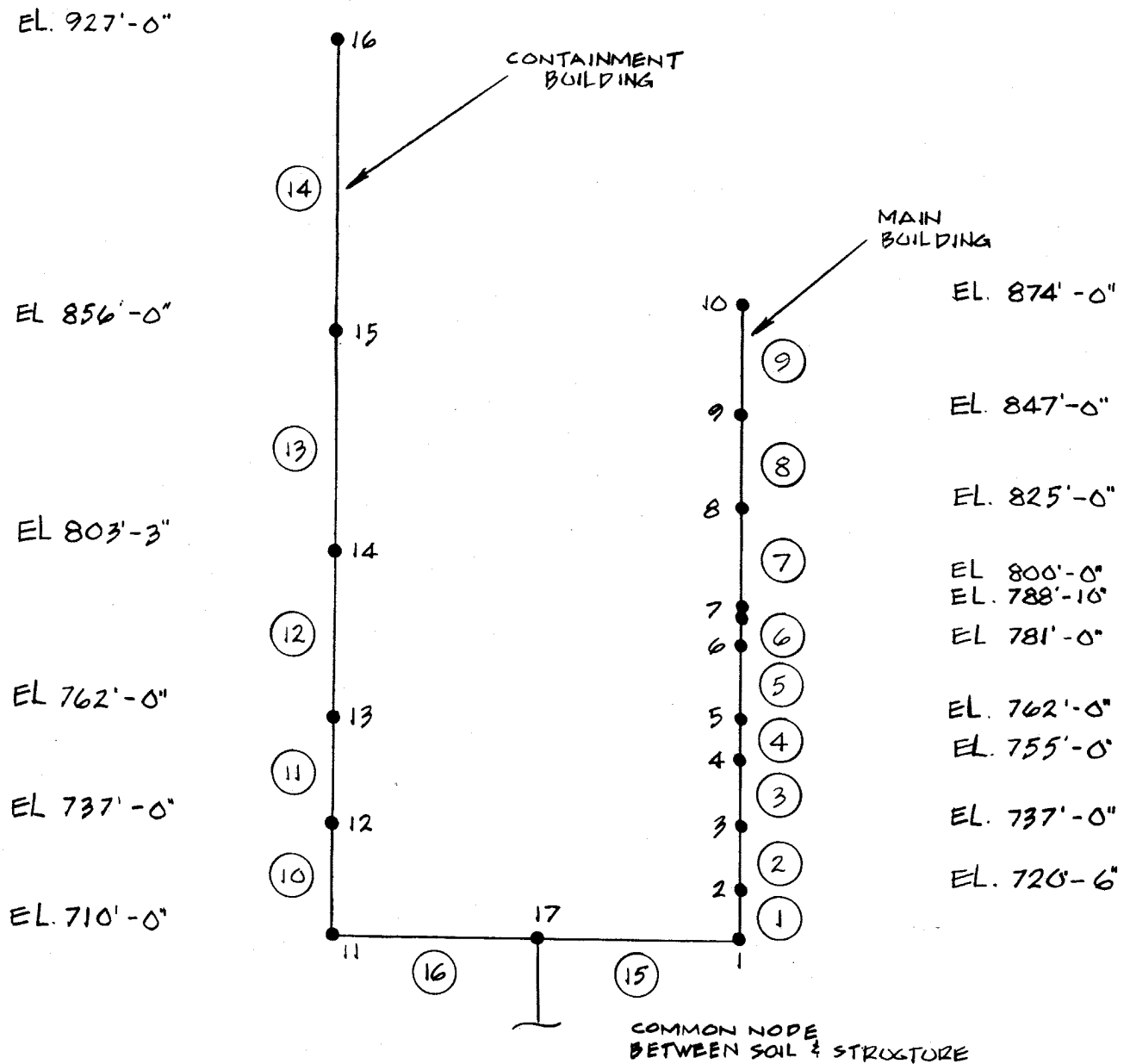
FIGURES 3.7-60 THROUGH 3.7-67
HAVE BEEN DELETED



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FIGURE 3.7-68

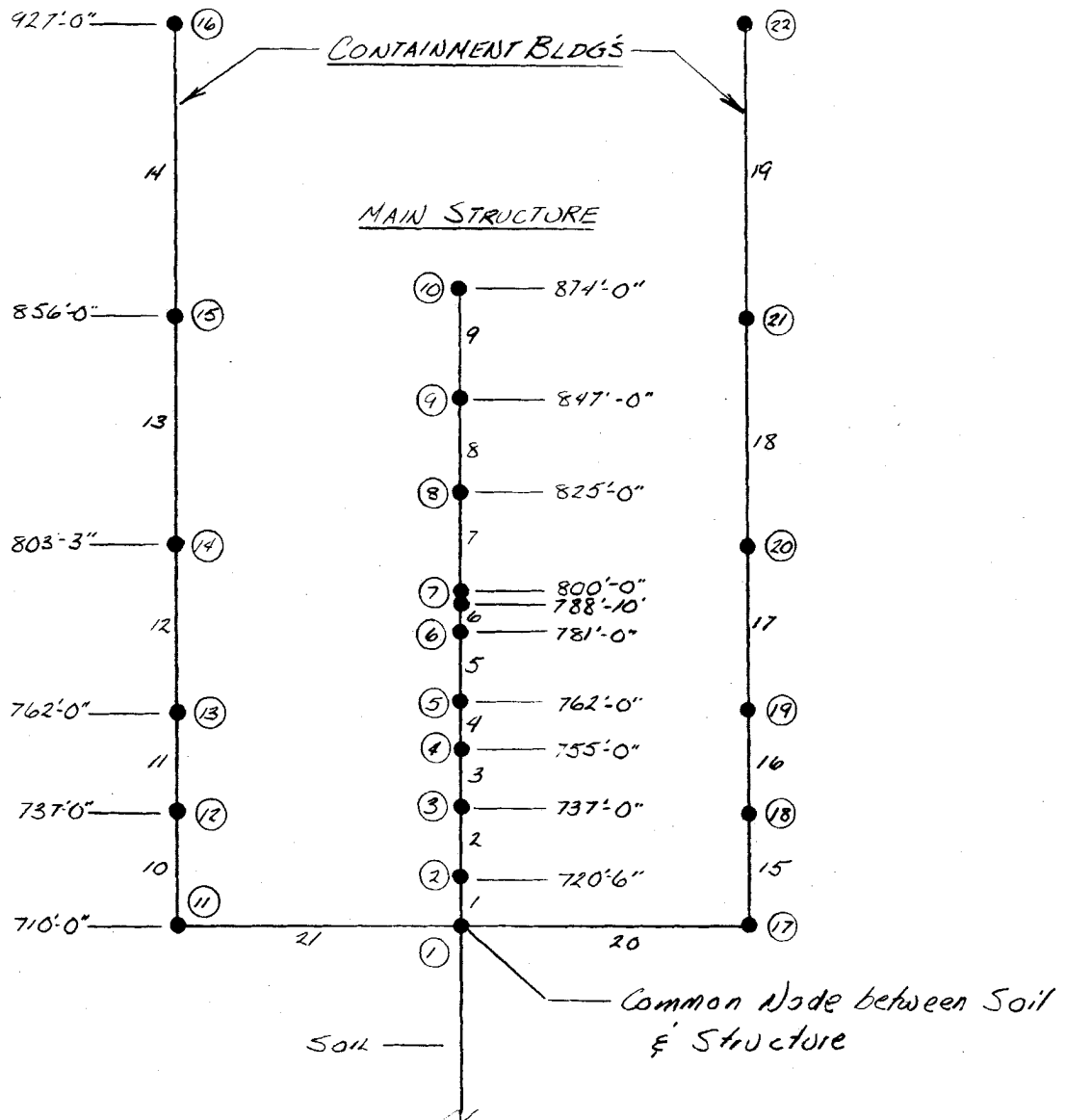
VERTICAL SOIL MODEL FOR
SOIL STRUCTURE INTERACTION



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FIGURE 3.7-69

1-UNIT BUILDING MODEL FOR
VERTICAL SOIL-STRUCTURE INTERACTION

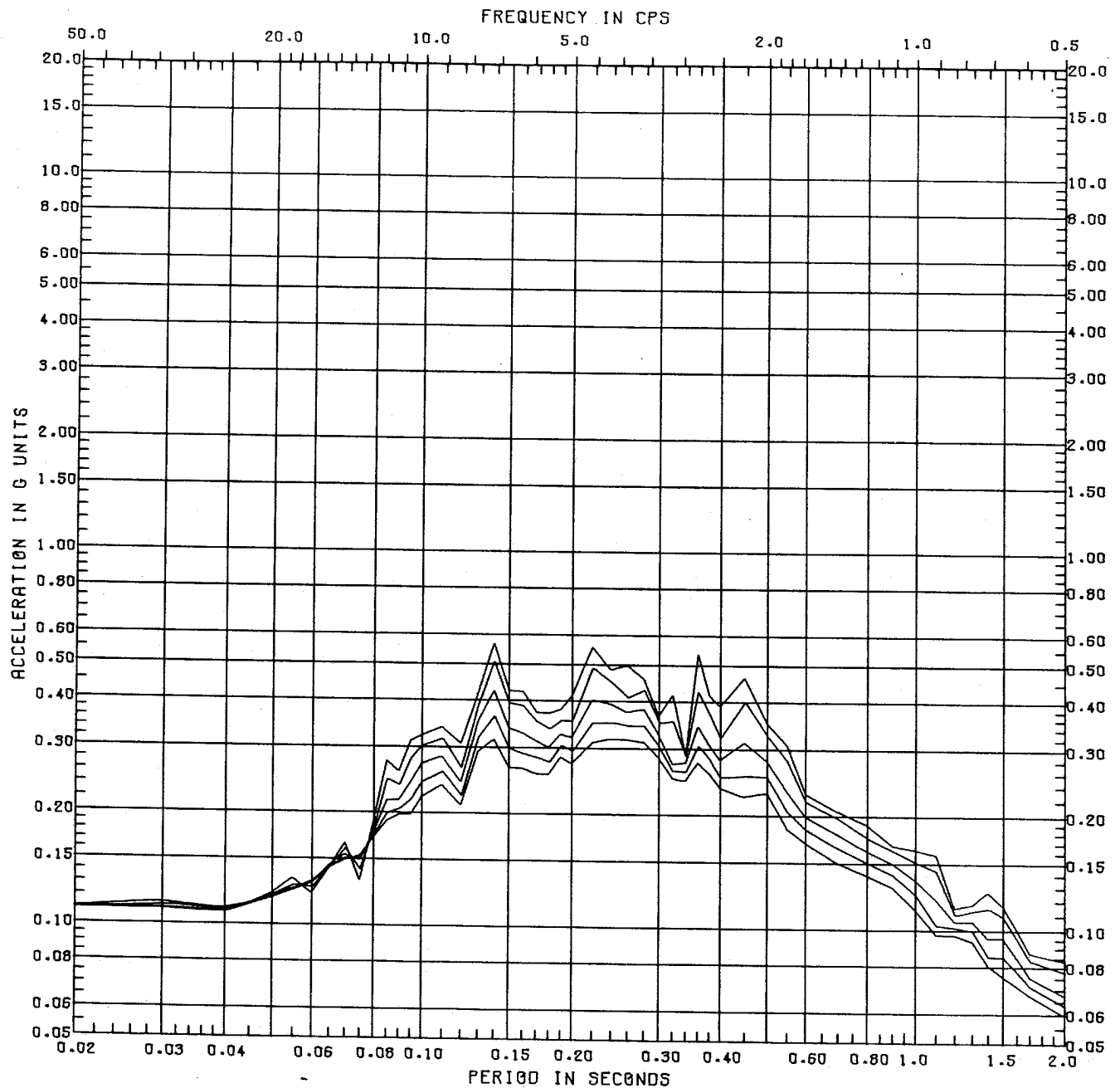


NOTE: UNIT 2 HAS BEEN CANCELLED.

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FIGURE 3.7-70

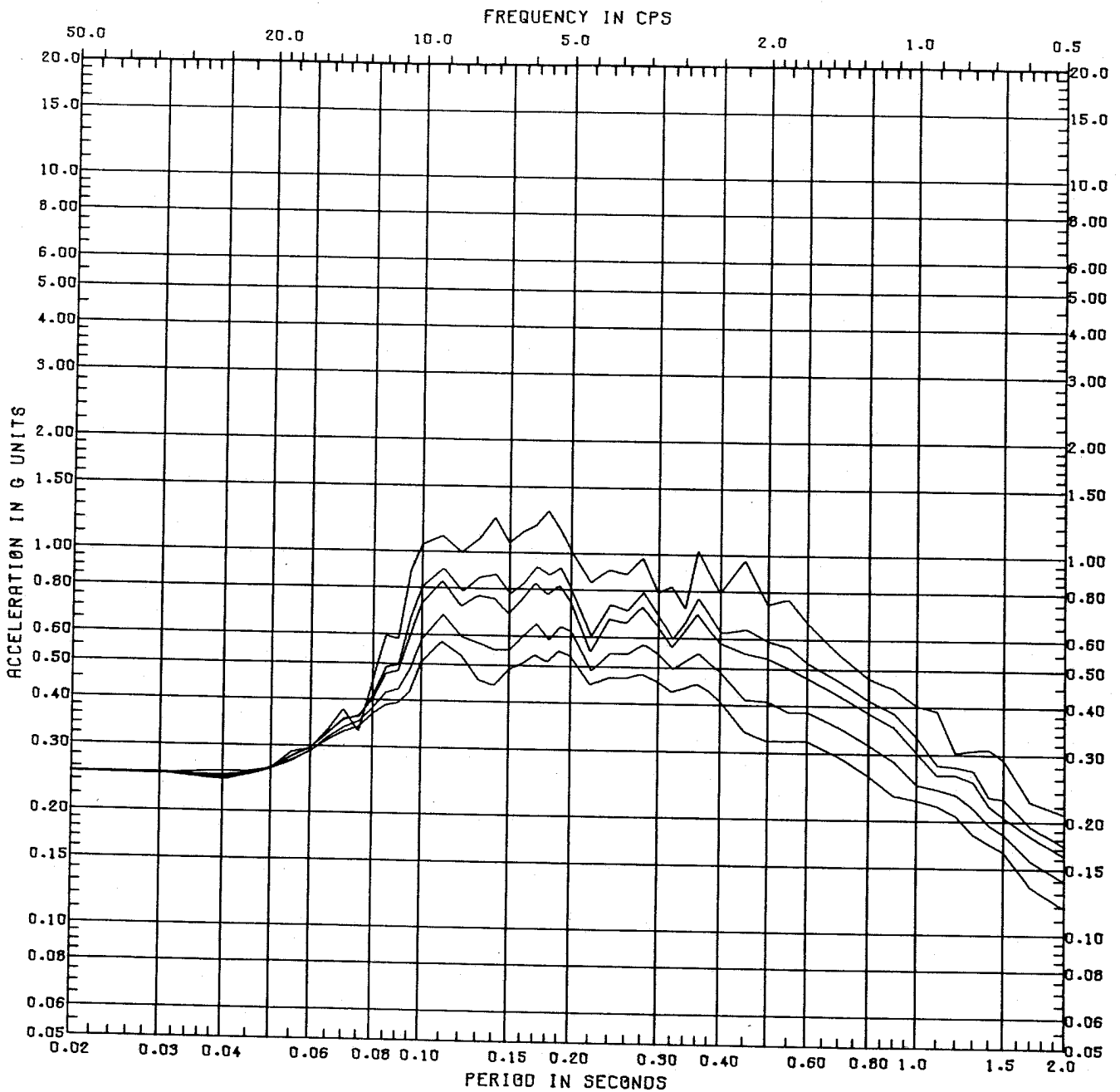
2-UNIT BUILDING MODEL FOR
VERTICAL SOIL STRUCTURE INTERACTION



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UPDATED SAFETY ANALYSIS REPORT**

FIGURE 3.7-71

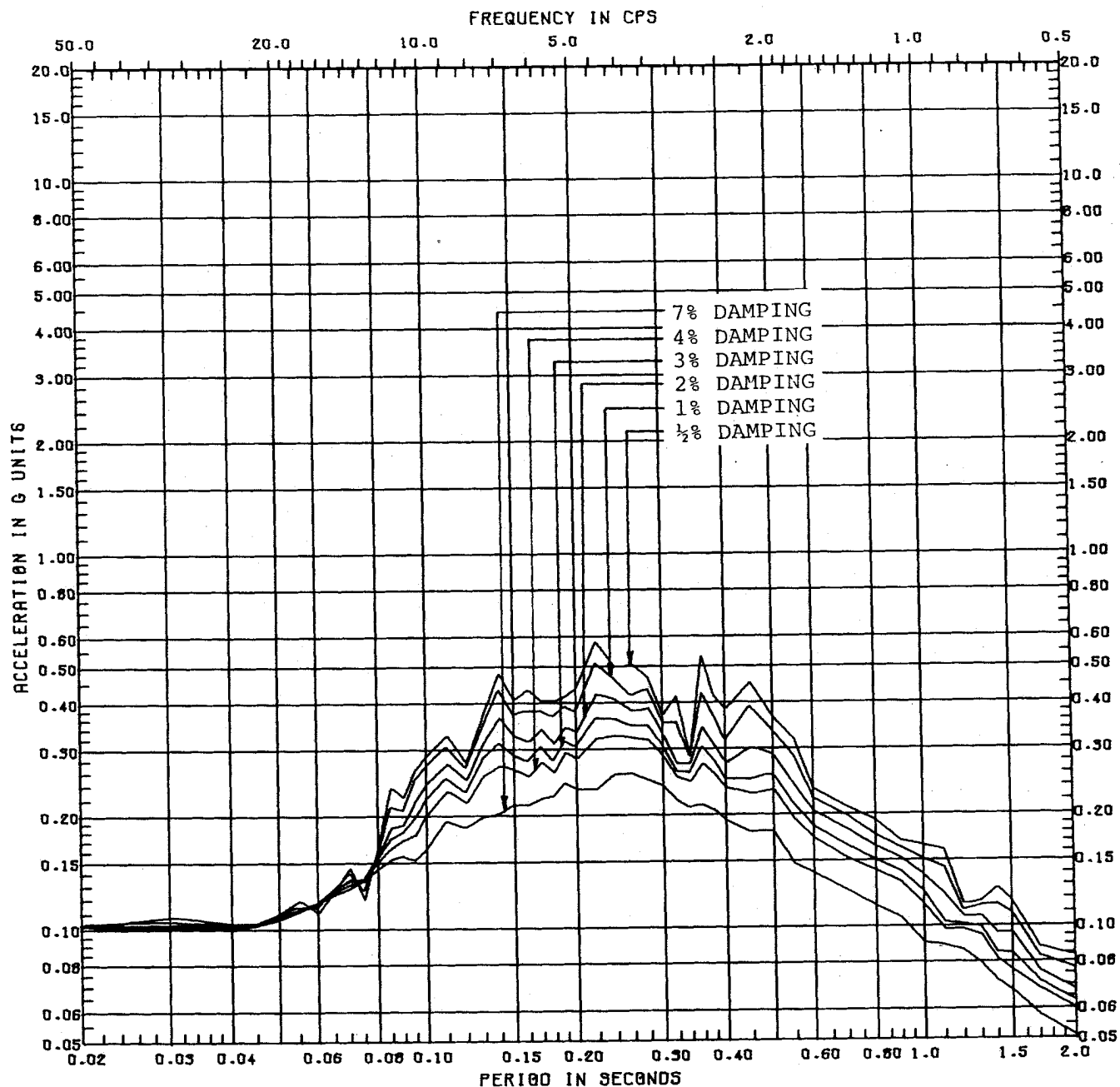
OBE VERTICAL FOUNDATION INTERACTION
SPECTRA FOR 1-UNIT BUILDING MODEL



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FIGURE 3.7-72

SSE VERTICAL FOUNDATION INTERACTION
SPECTRA FOR 1-UNIT BUILDING MODEL

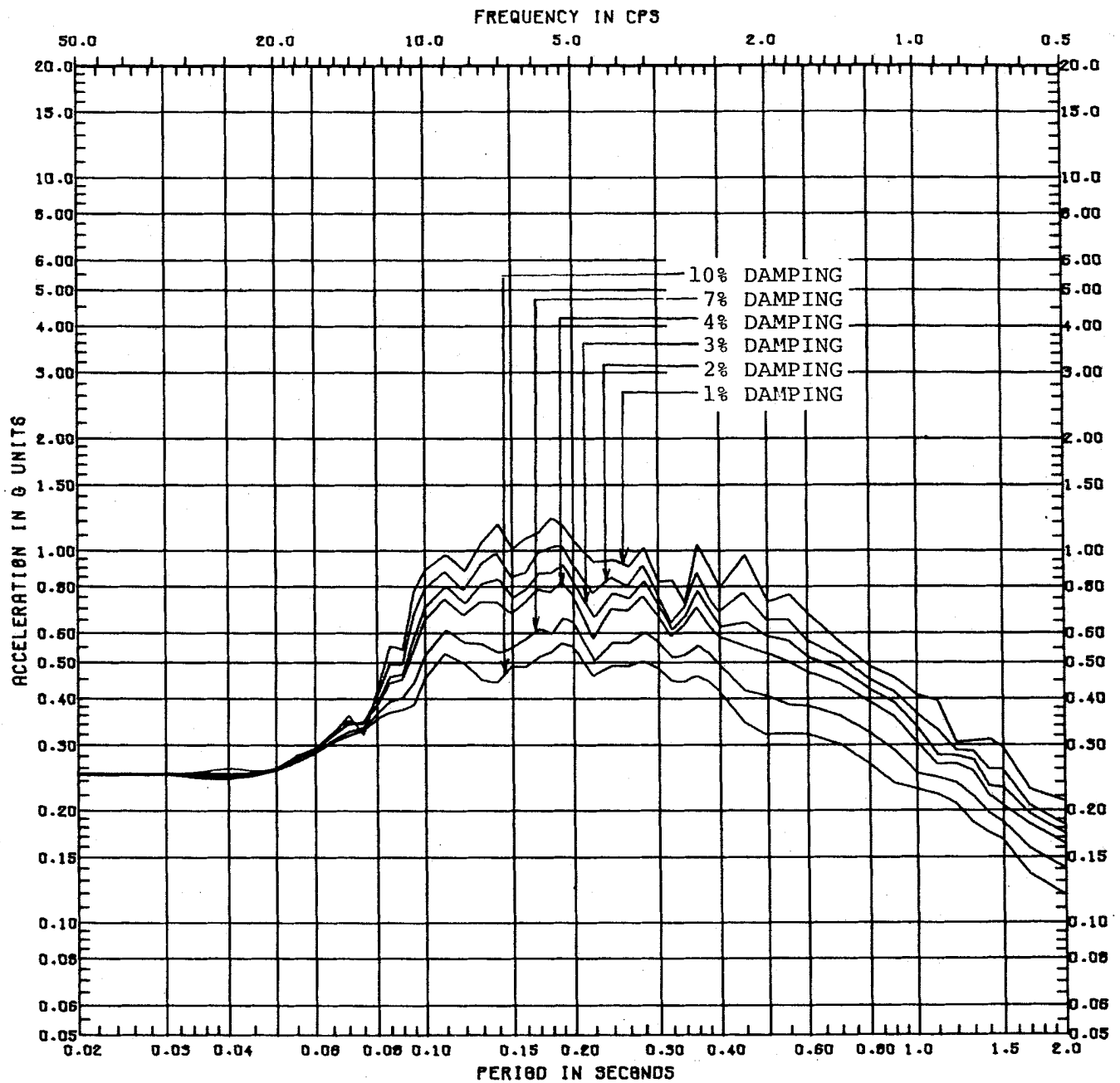


NOTE: UNIT 2 HAS BEEN CANCELLED.

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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

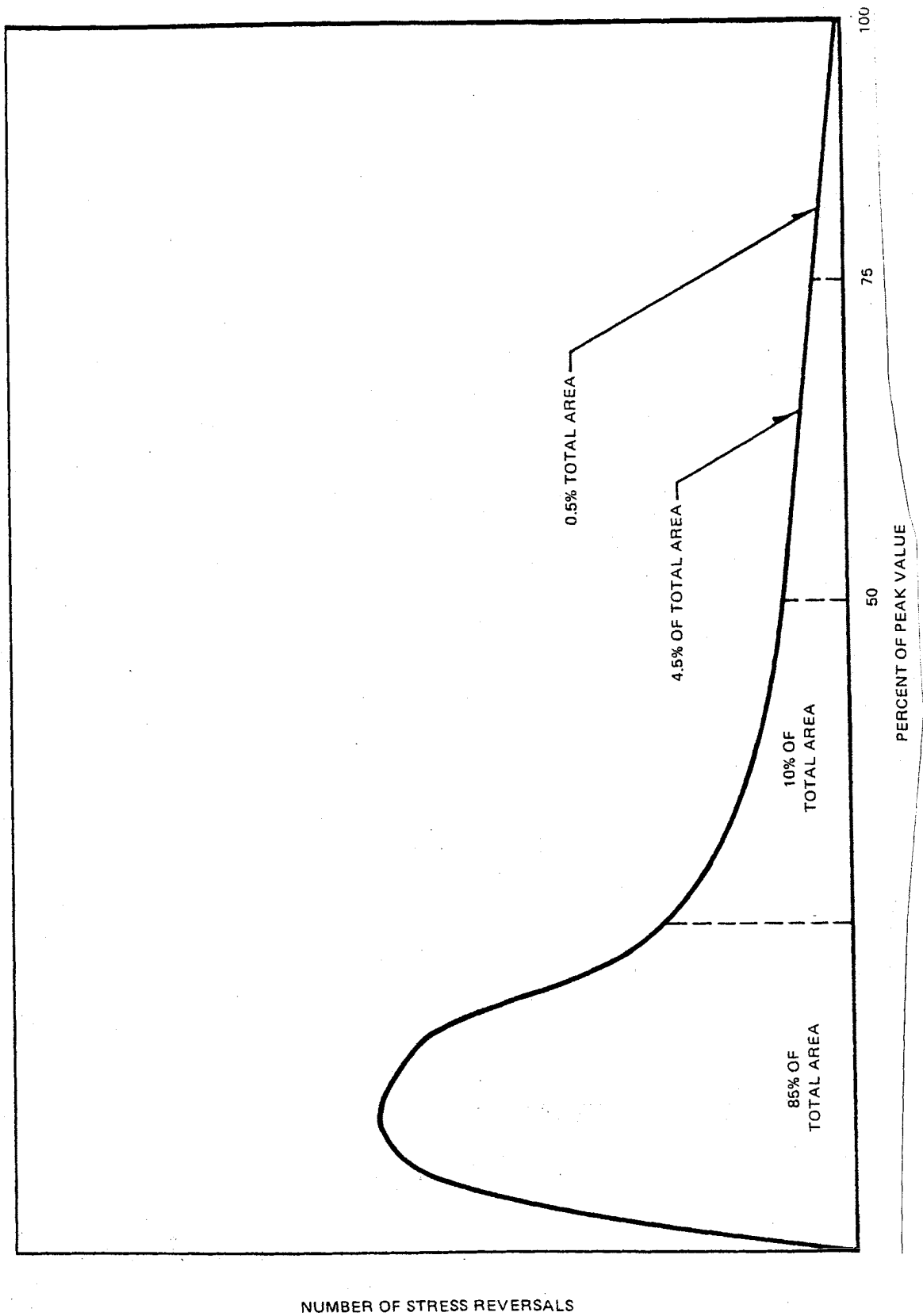
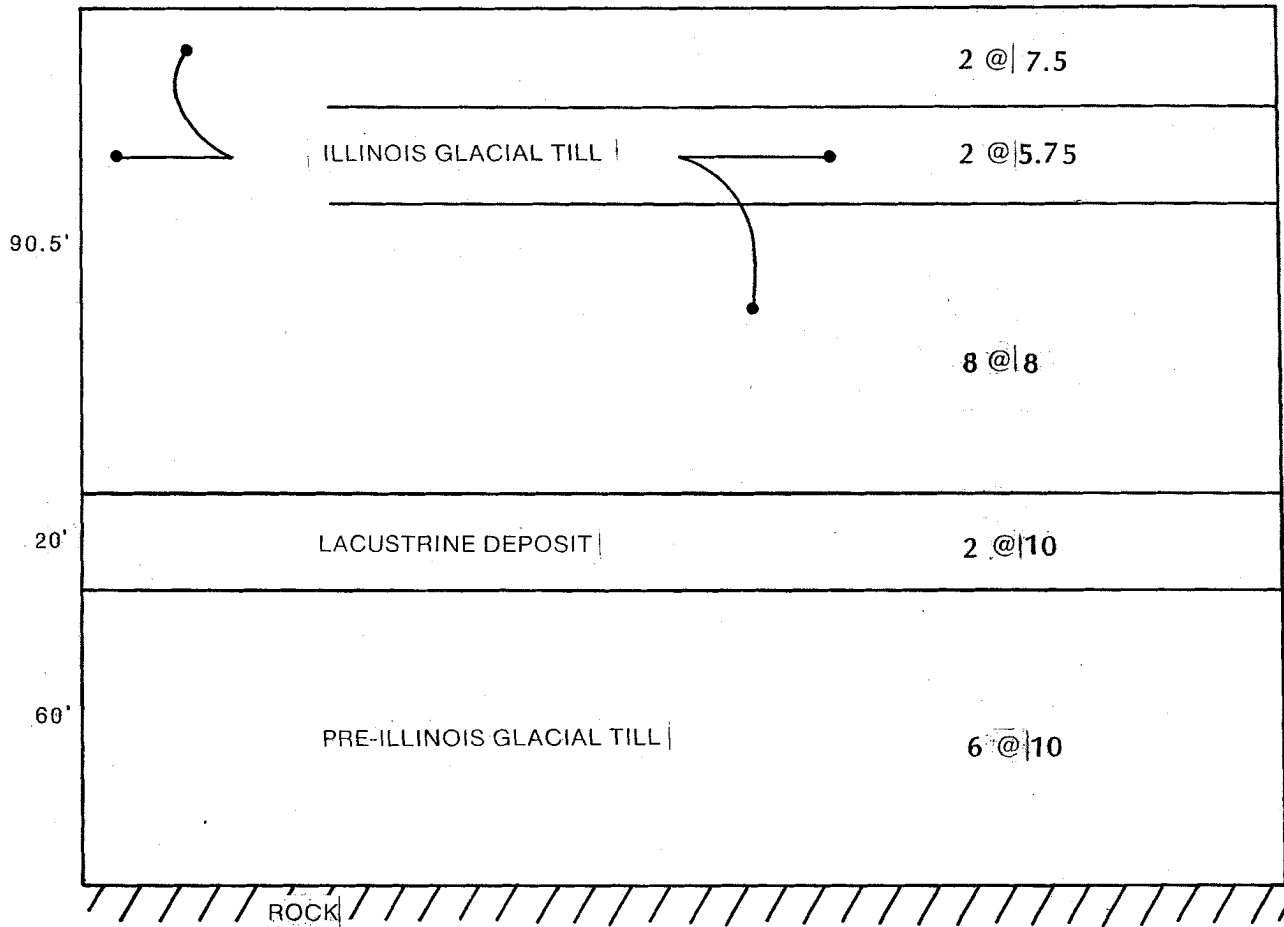


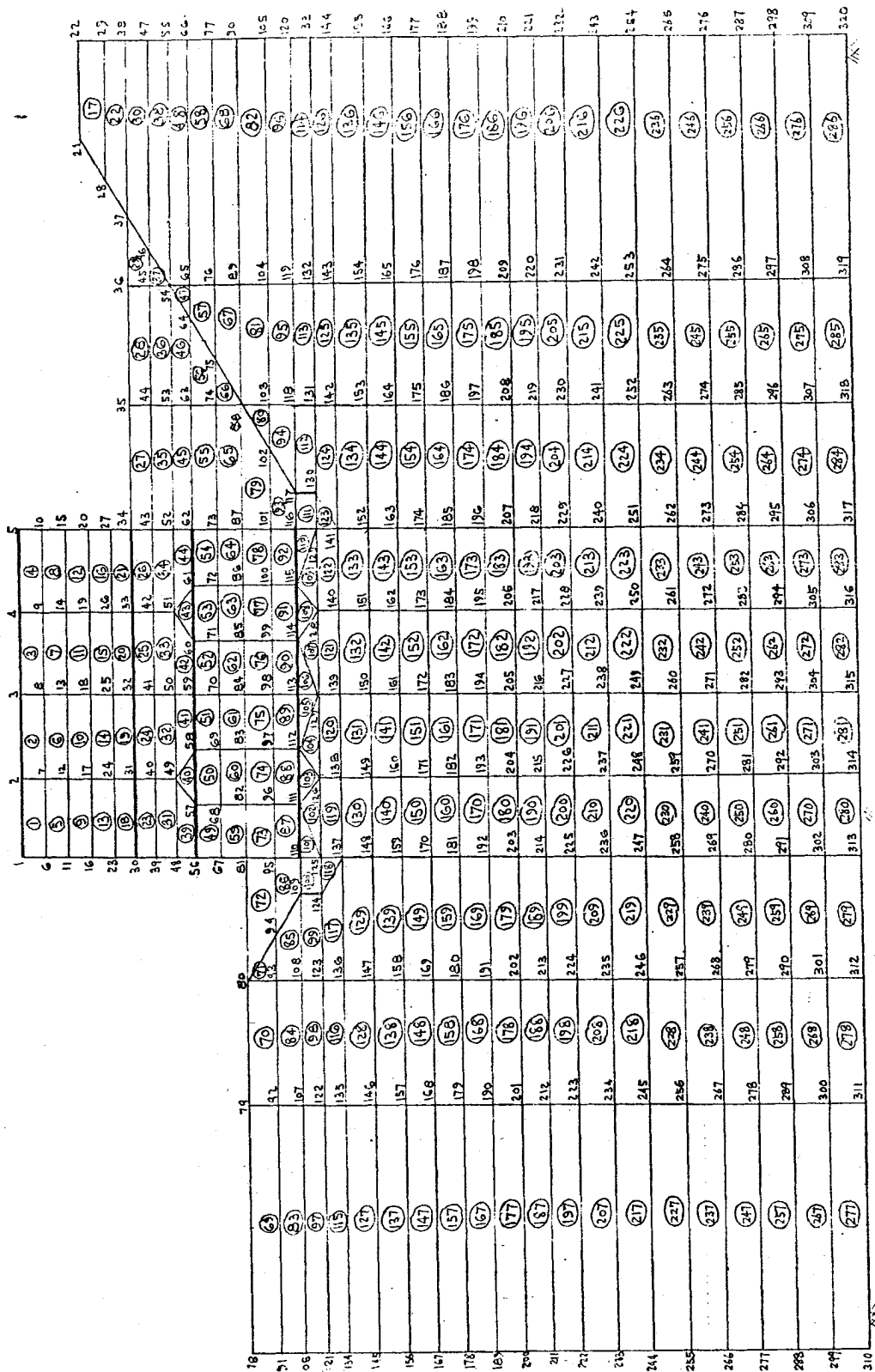
FIGURE 3.7-75 DENSITY OF STRESS REVERSALS



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UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-76

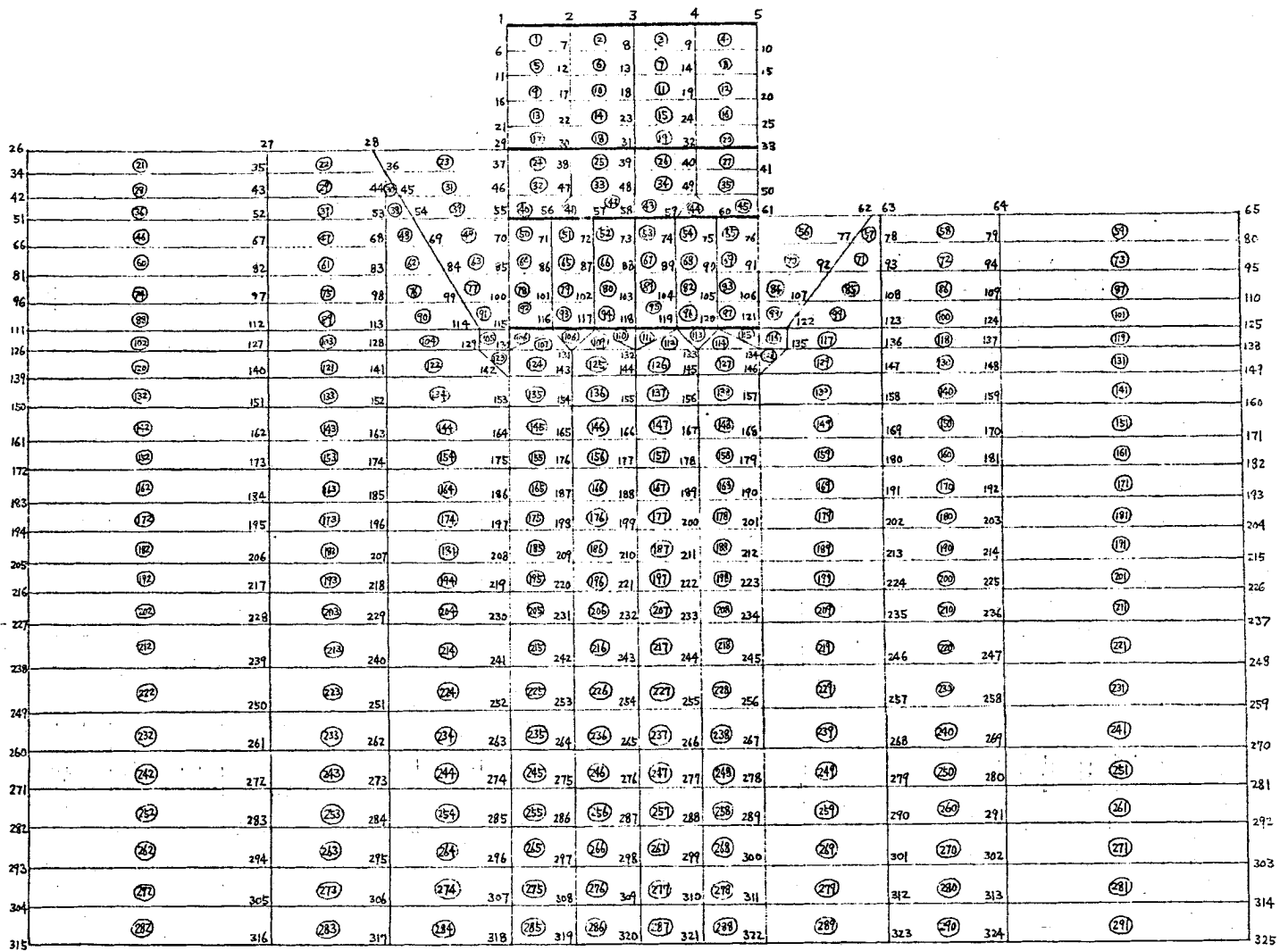
SHAKE SOIL MODEL FOR CIRCULATING
WATER SCREEN HOUSE ANALYSIS



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FIGURE 3.7-77

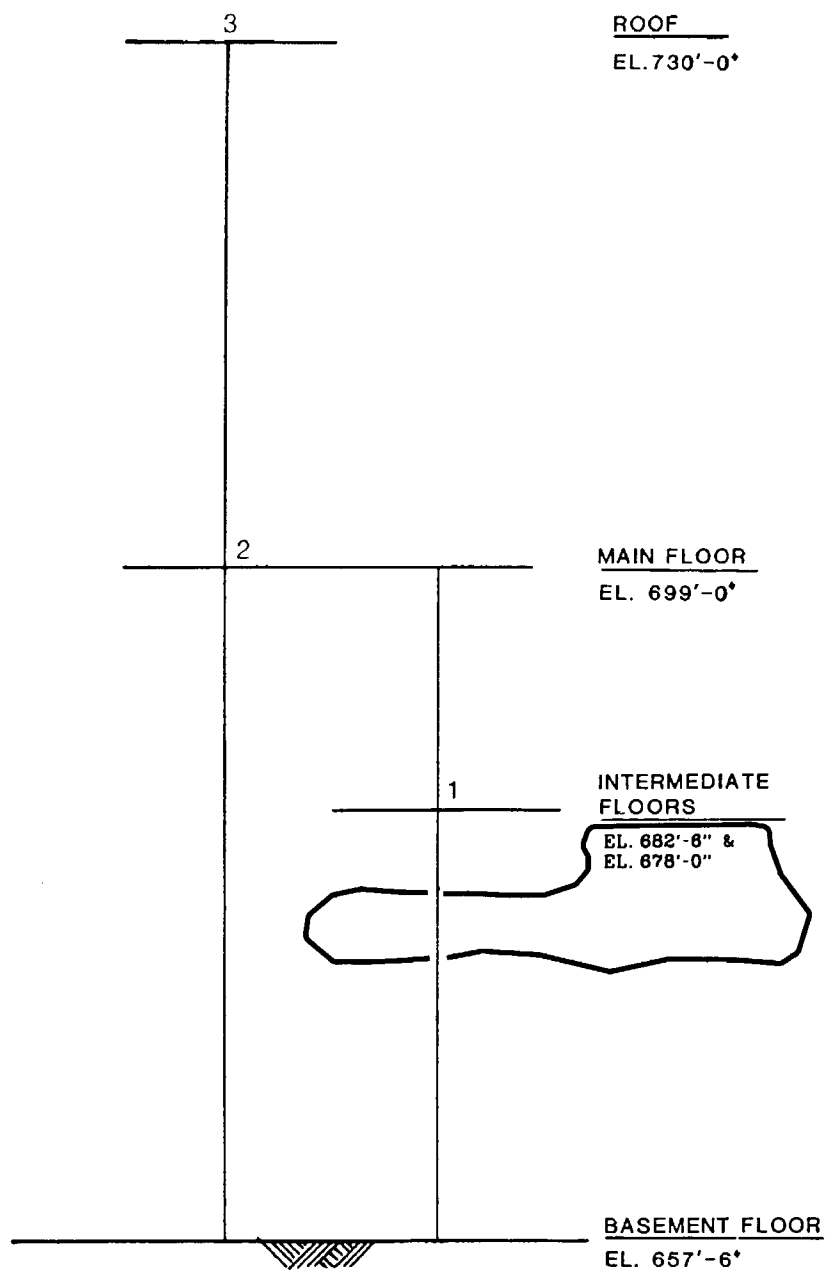
EAST-WEST HORIZONTAL SOIL STRUCTURE
INTERACTION MODEL FOR CWSH



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FIGURE 3.7-78

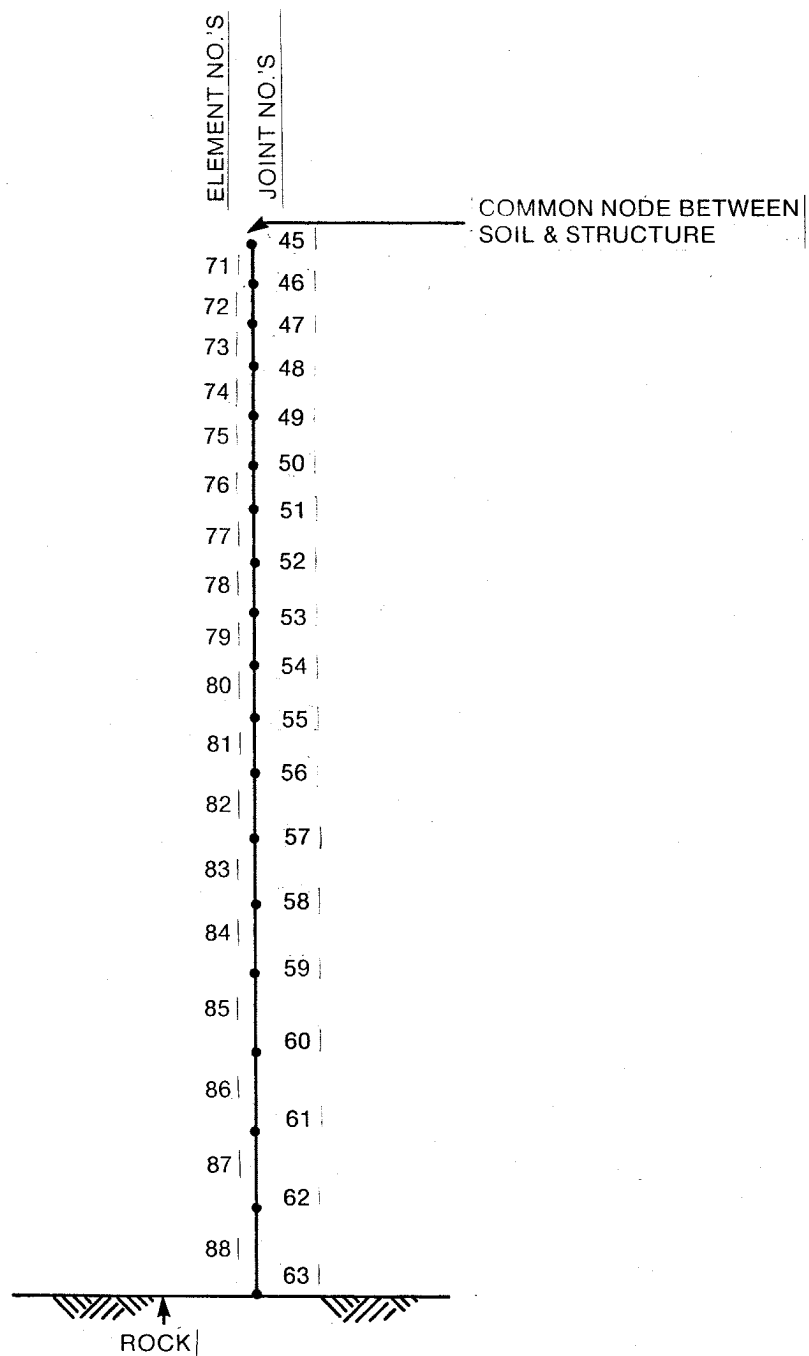
NORTH-SOUTH HORIZONTAL SOIL
STRUCTURE INTERACTION MODEL
FOR CWSH



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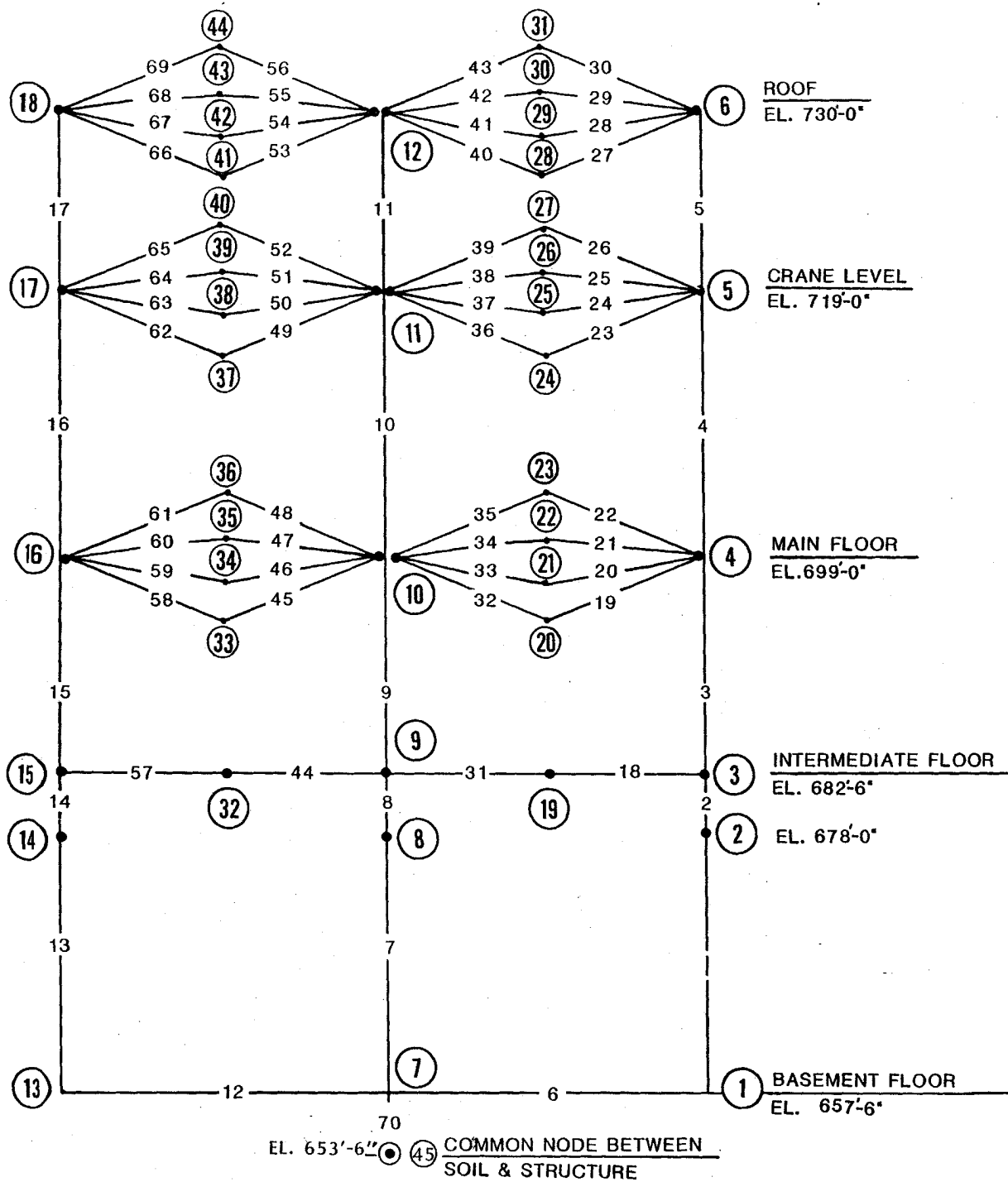
FIGURE 3.7-79

HORIZONTAL MODEL FOR CWSH



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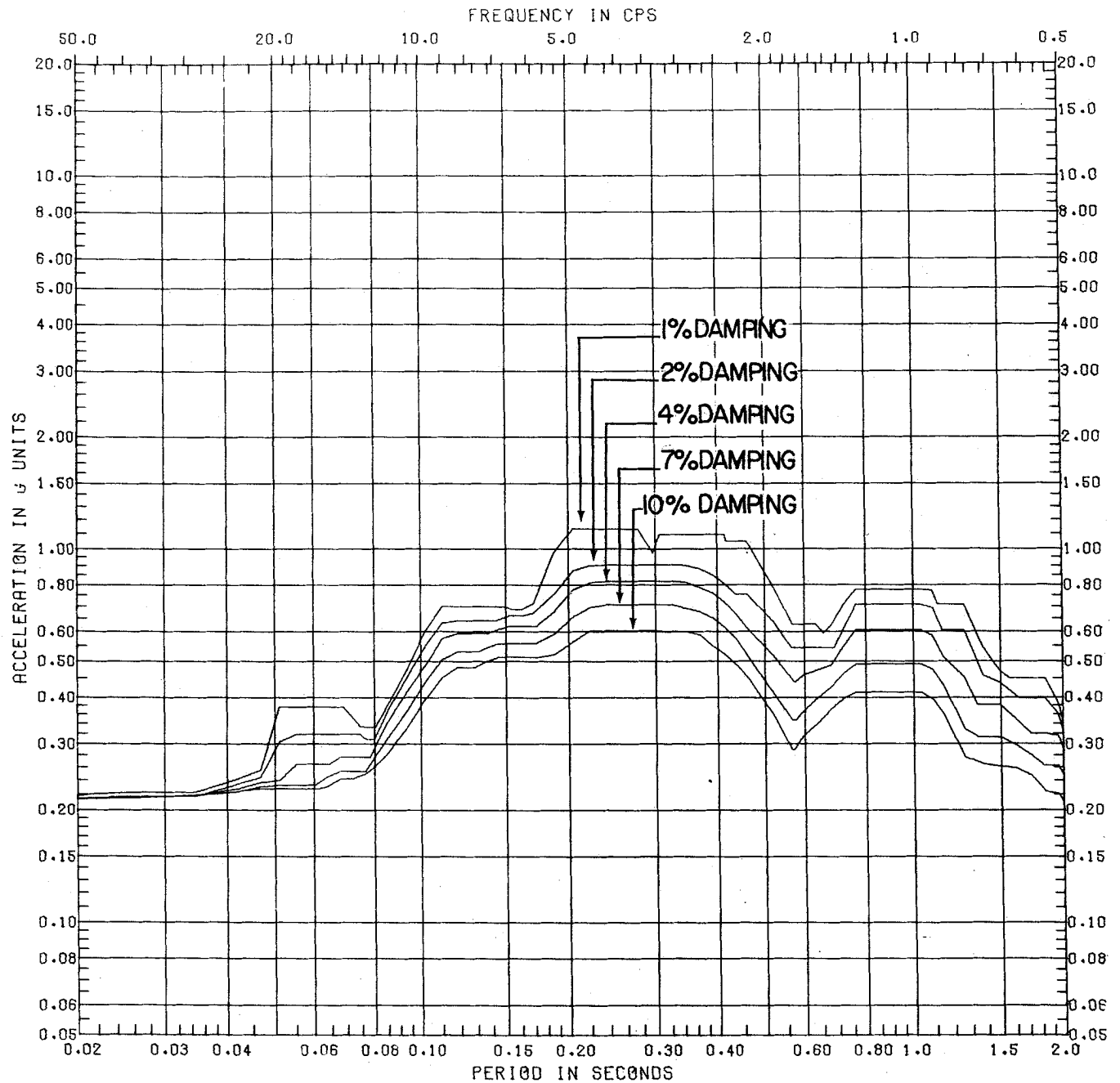
**FIGURE 3.7-80
SOIL COLUMN FOR
VERTICAL CWSH ANALYSIS**



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UPDATED SAFETY ANALYSIS REPORT**

FIGURE 3.7-81

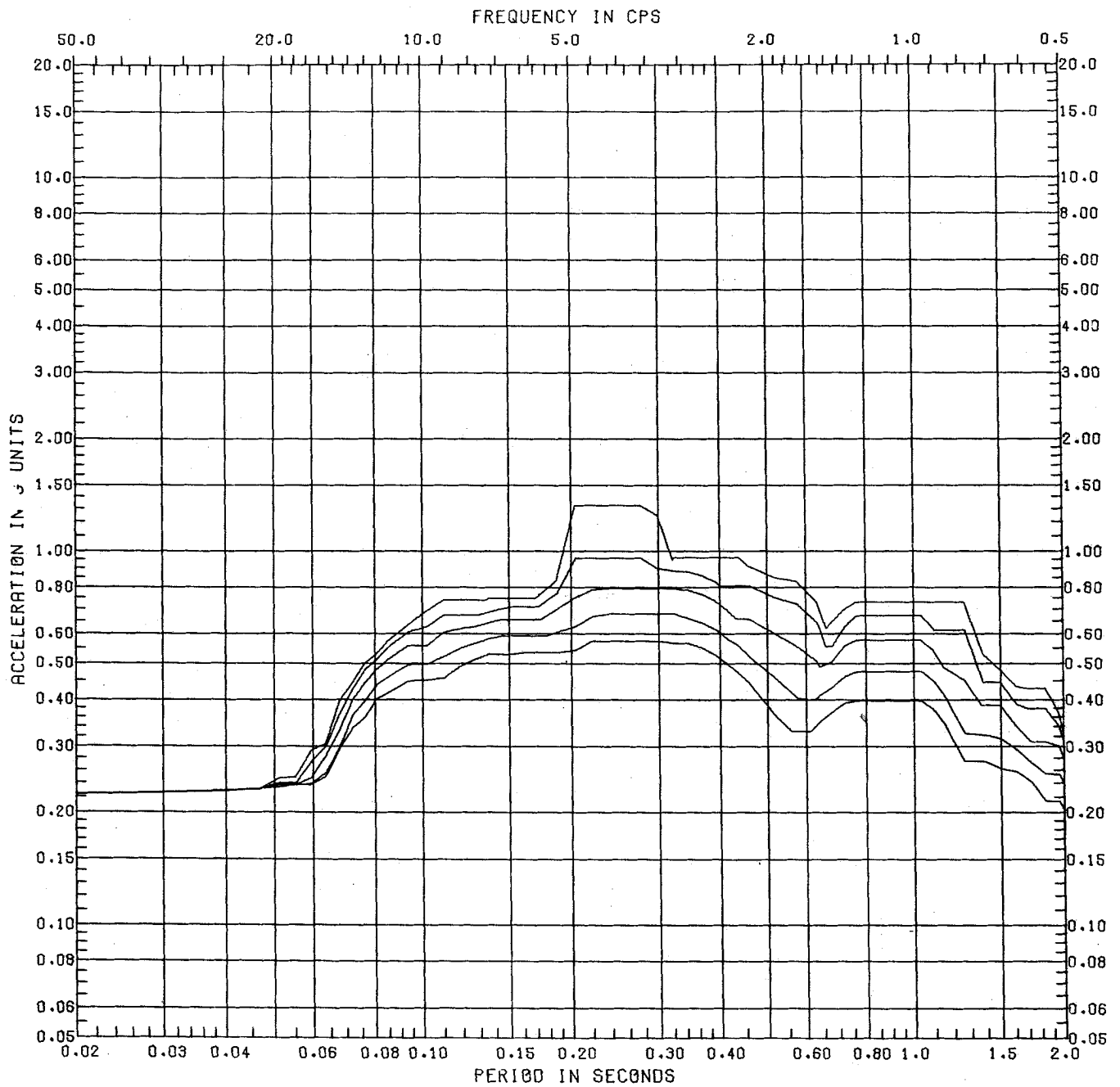
VERTICAL MODEL FOR CWSH



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FIGURE 3.7-82

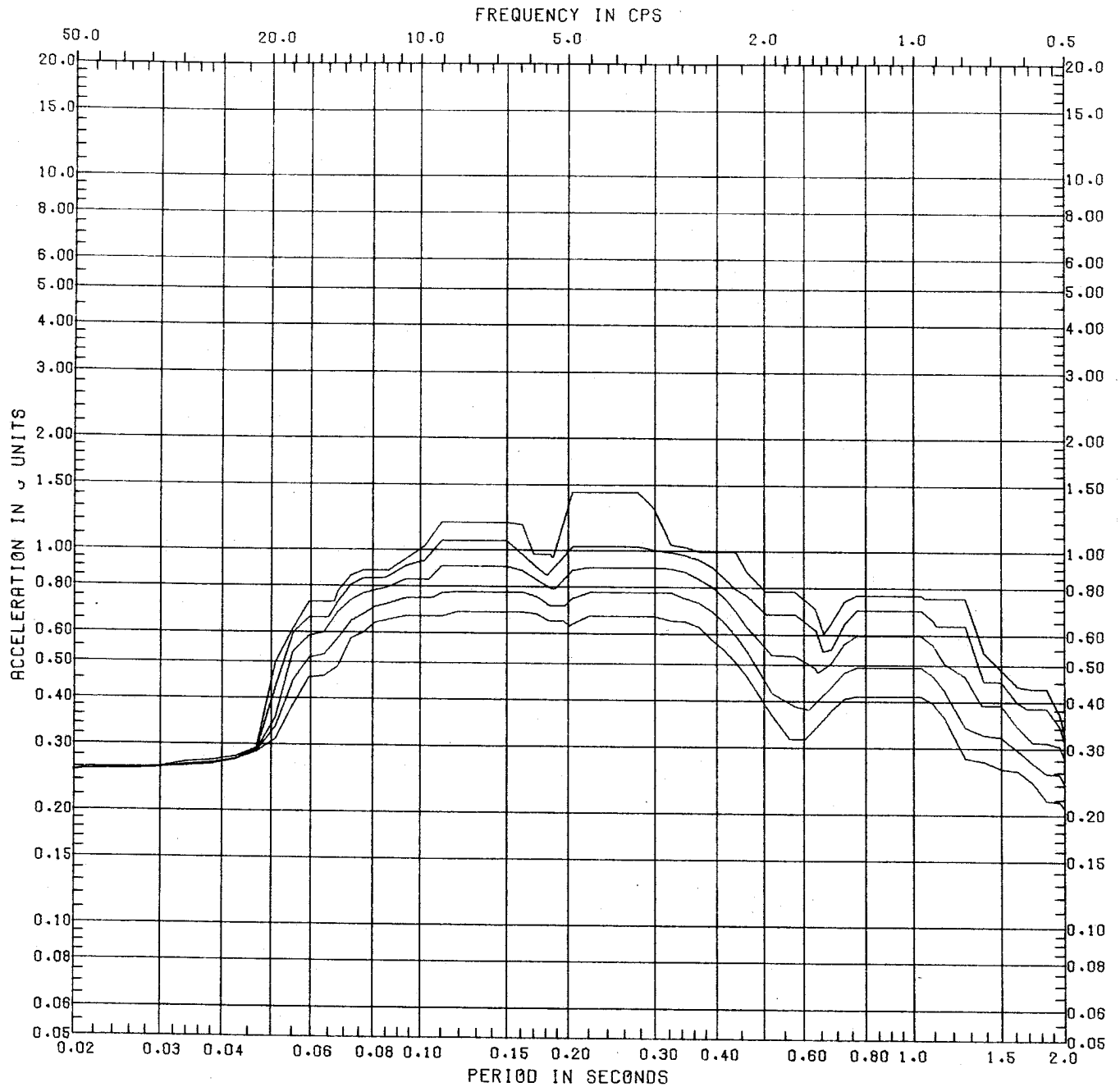
**HORIZONTAL
SSE RESPONSE SPECTRA CWSH -
BASE ELEVATION 653'-6" N-S**



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FIGURE 3.7-83

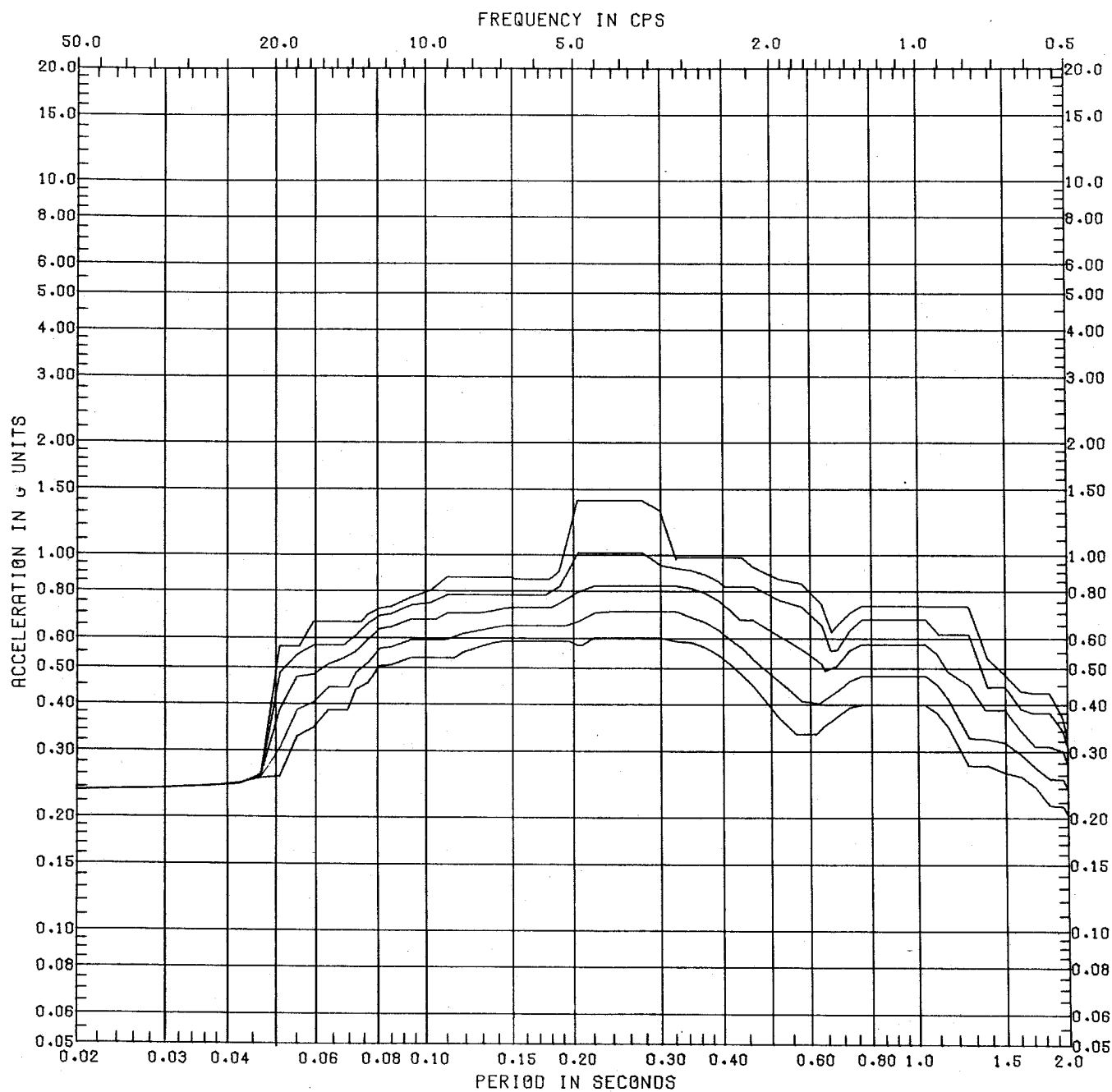
HORIZONTAL
SSE RESPONSE SPECTRA CWSH -
BASE ELEVATION 653'-6" E-W



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FIGURE 3.7-84

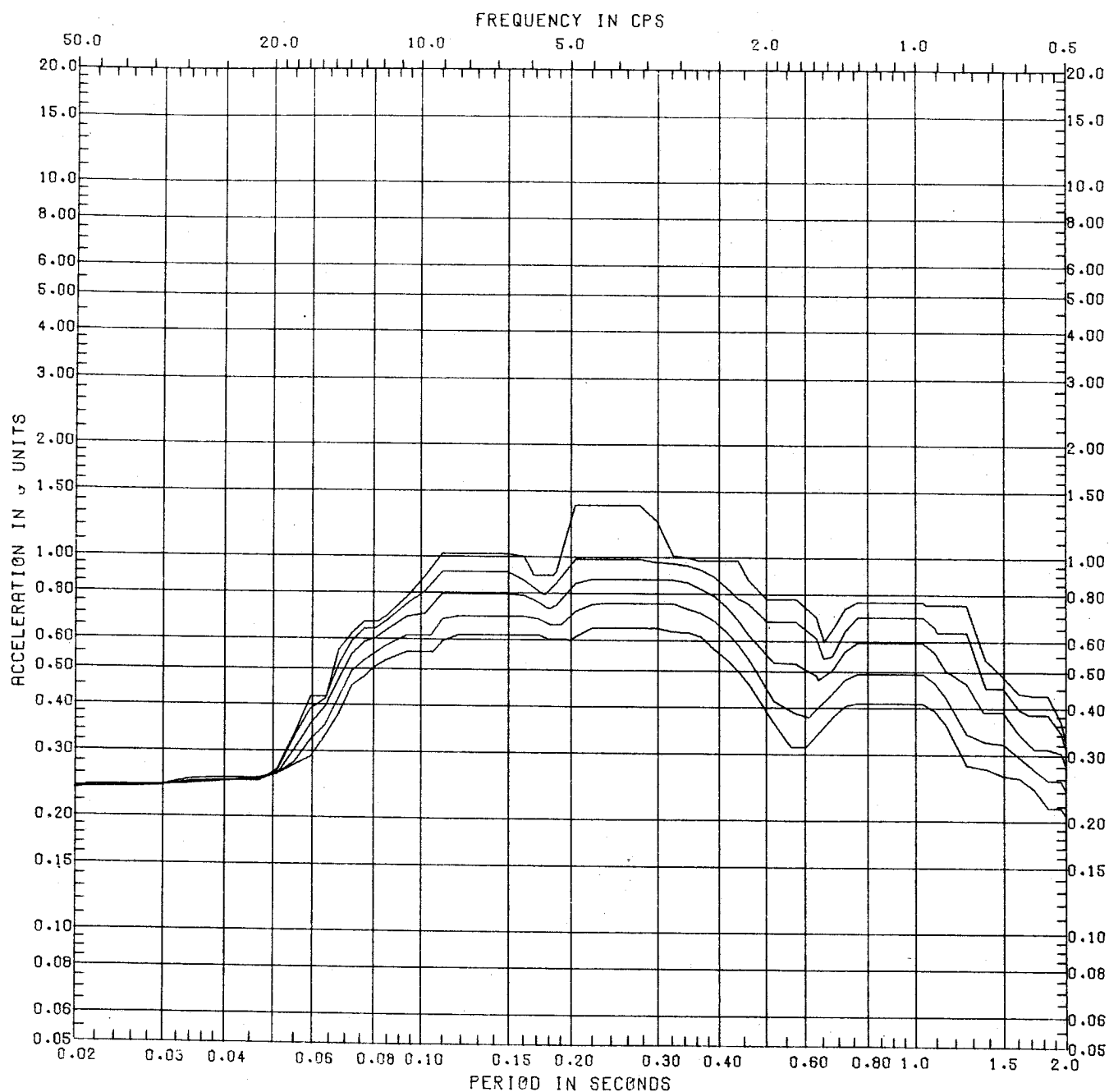
HORIZONTAL
SSE RESPONSE SPECTRA CWSH -
MAIN FLOOR ELEVATION 699'-0" N-S



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FIGURE 3.7-85

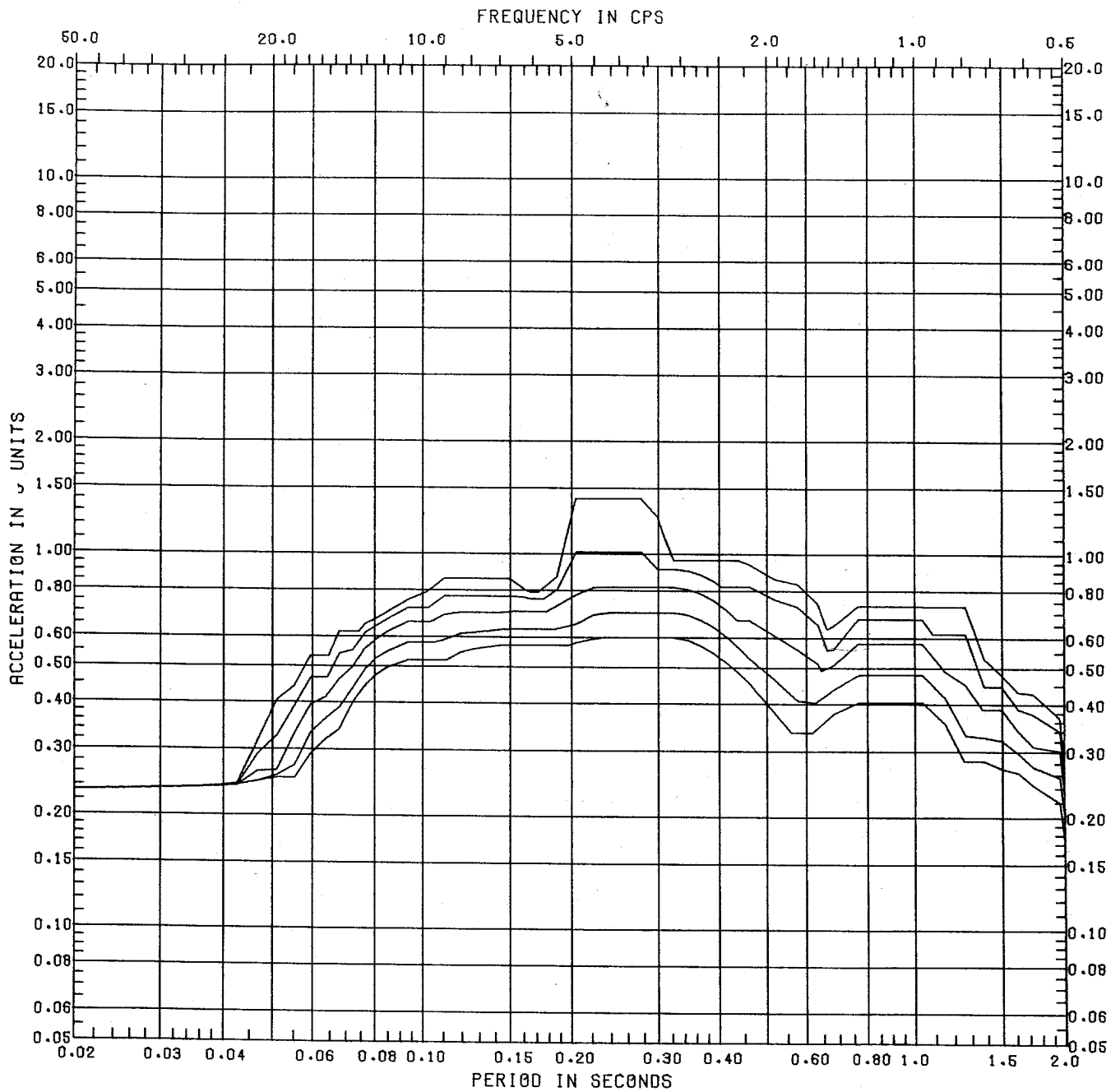
HORIZONTAL
SSE RESPONSE SPECTRA CWSH -
MAIN FLOOR ELEVATION 699'-0" E-W



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FIGURE 3.7-86

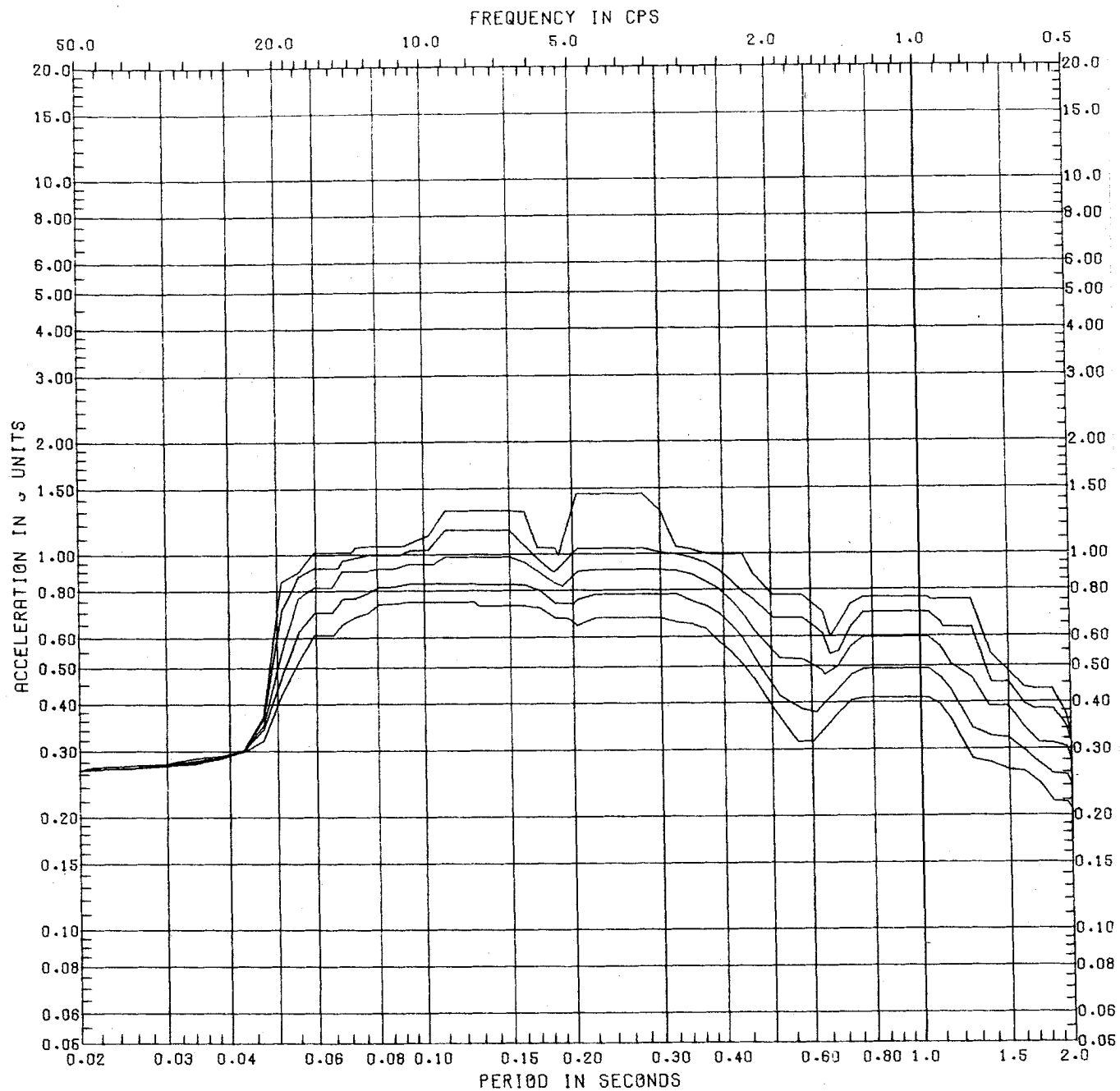
**HORIZONTAL
SSE RESPONSE SPECTRA CWSH -
INTERMEDIATE FLOOR
ELEVATION 682'-6" N-S**



**CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT**

FIGURE 3.7-87

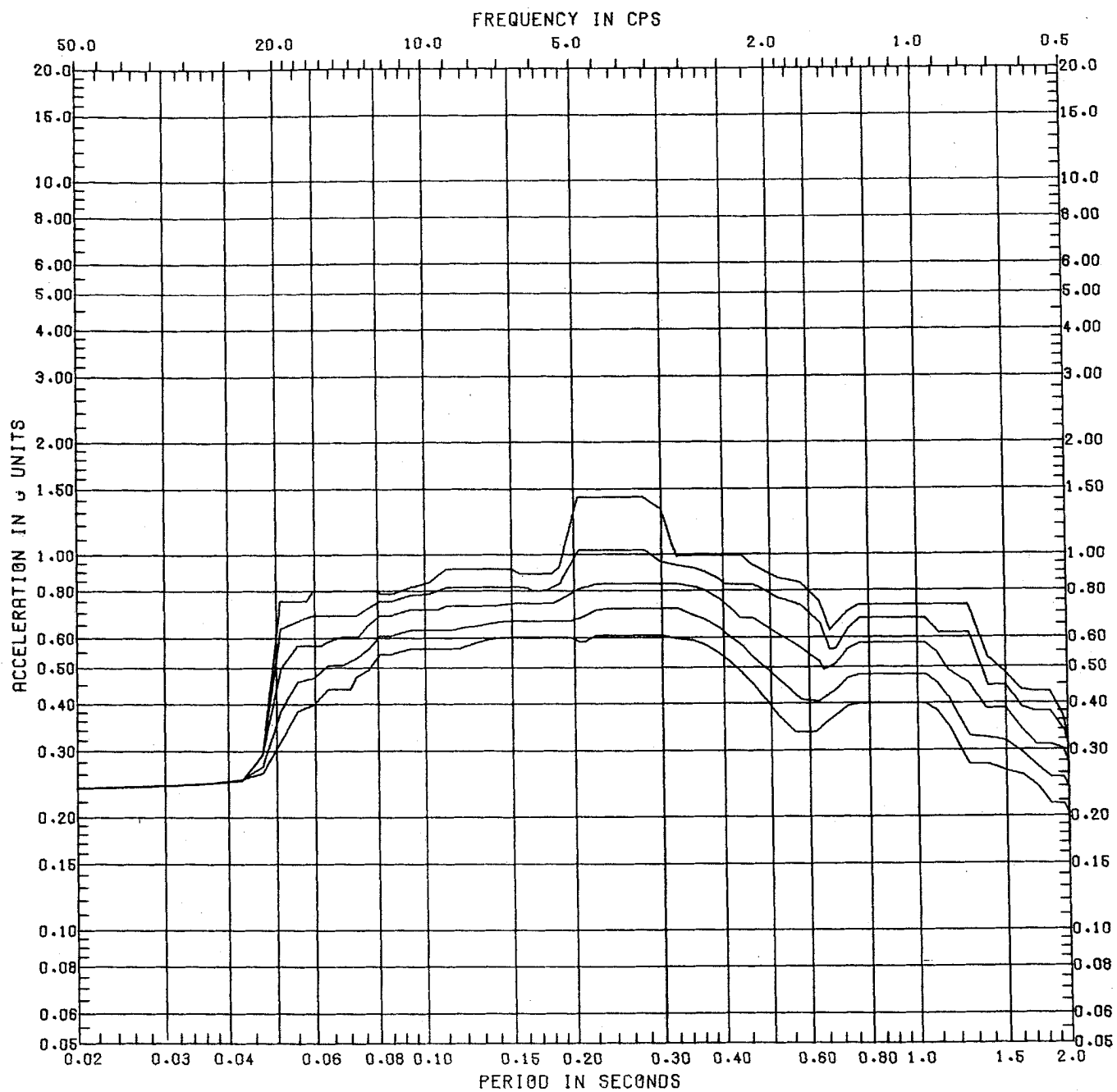
HORIZONTAL
SSE RESPONSE SPECTRA CWSH -
INTERMEDIATE FLOOR
ELEVATION 682'-6" E-W



**CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT**

FIGURE 3.7-88

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

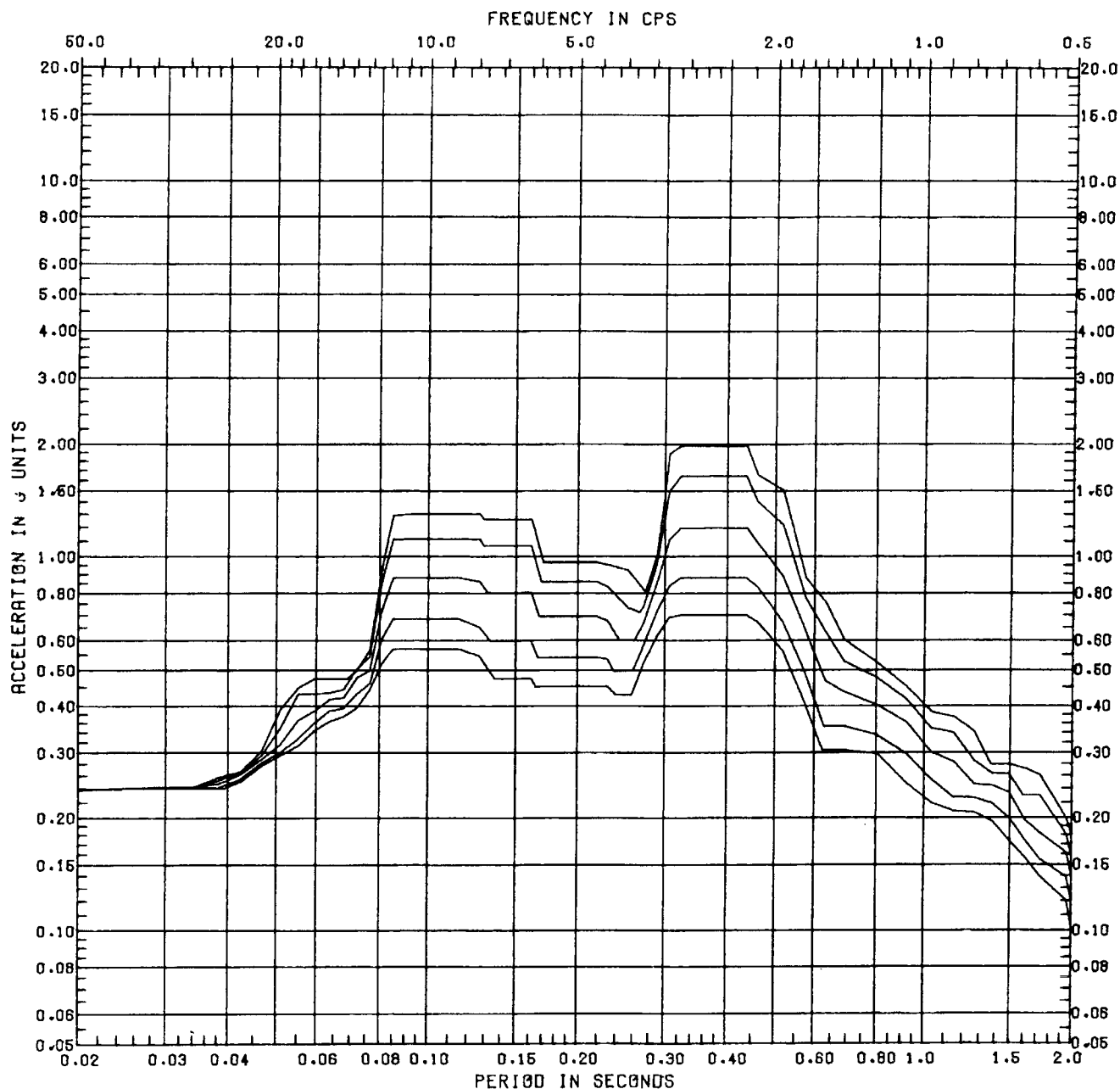


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FIGURE 3.7-89

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

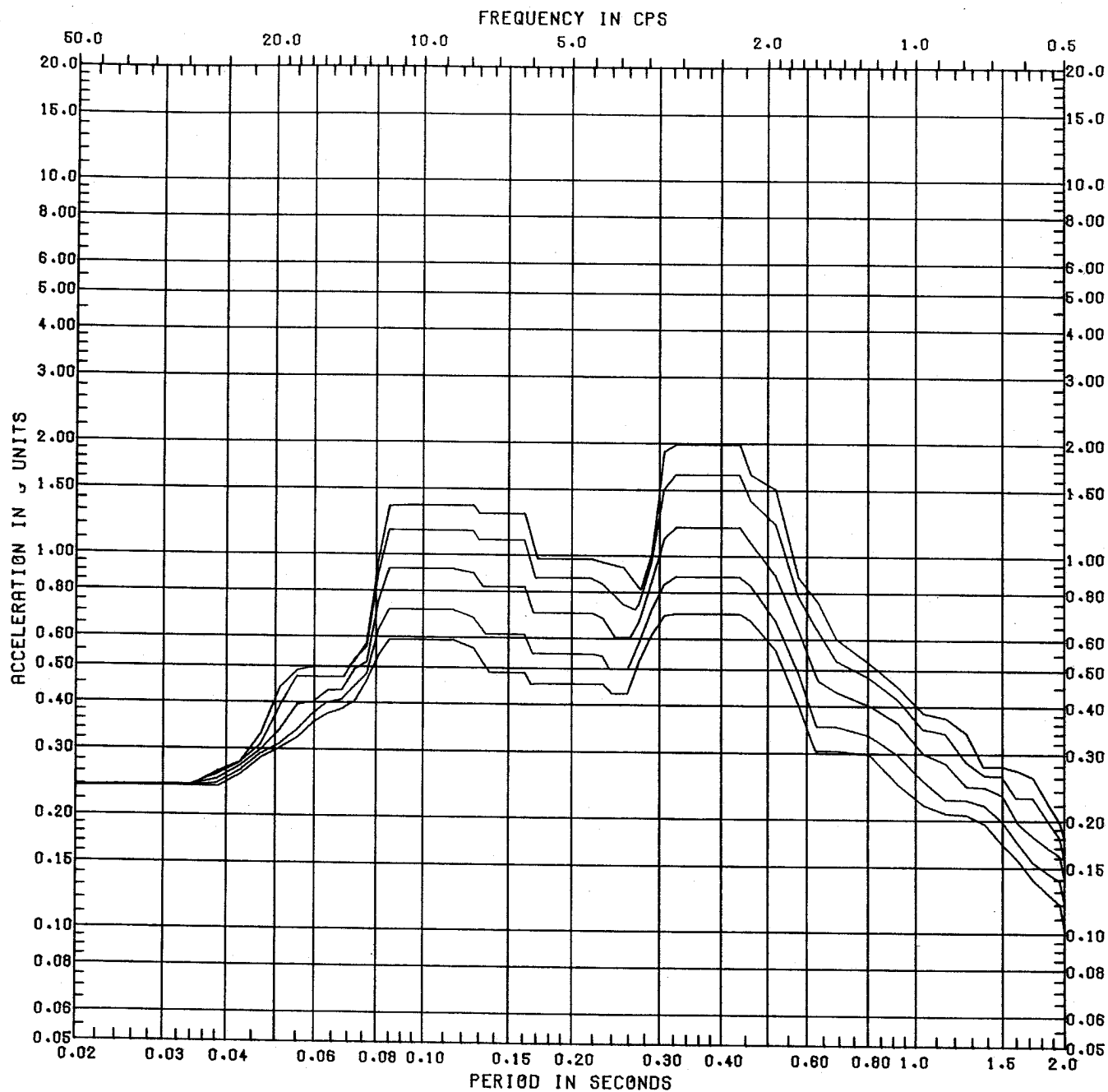
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FIGURE 3.7-90

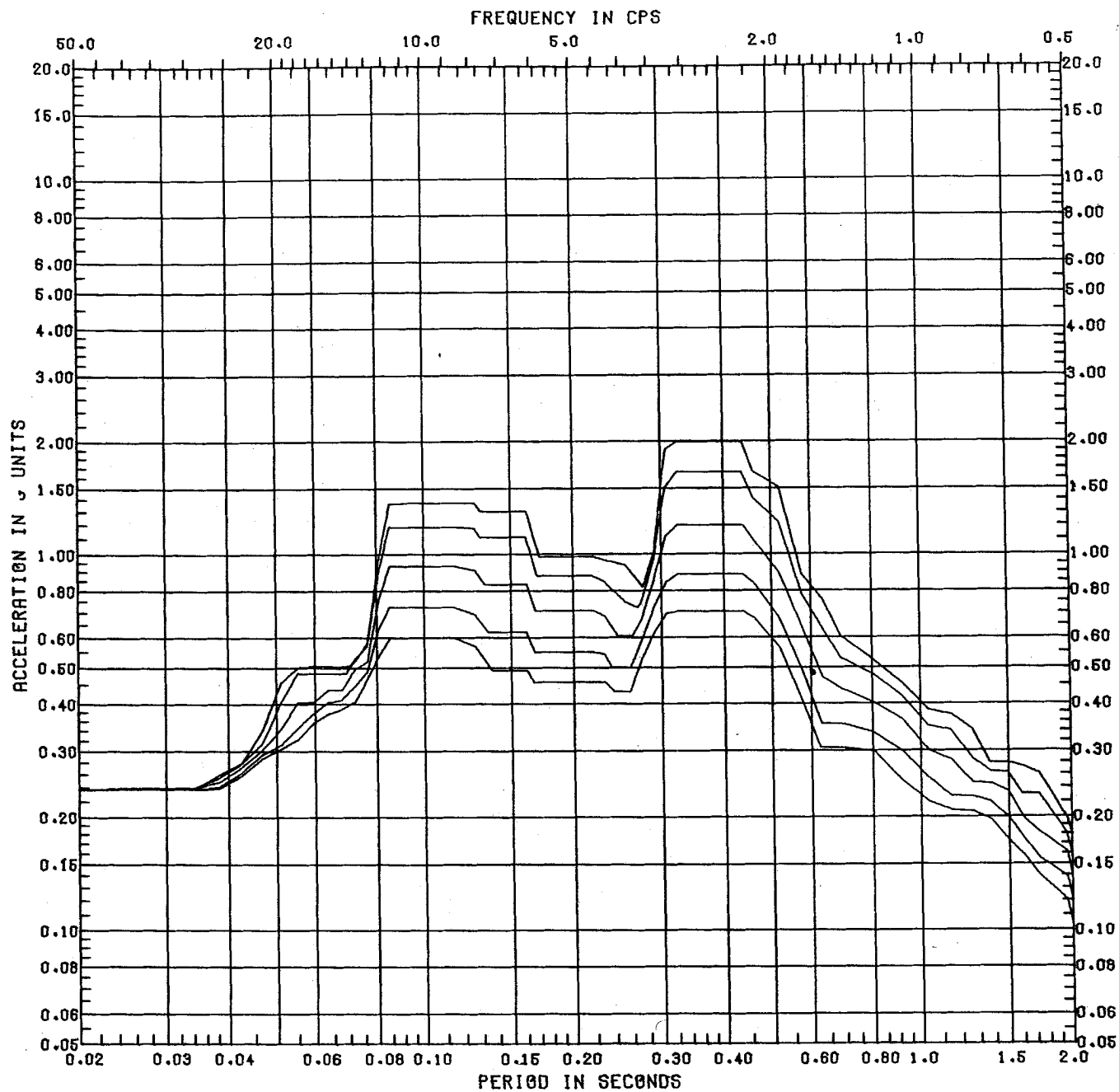
SSE RESPONSE SPECTRA CWSH-
BASE ELEVATION 657'-6"
VERTICAL WALL



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FIGURE 3.7-91

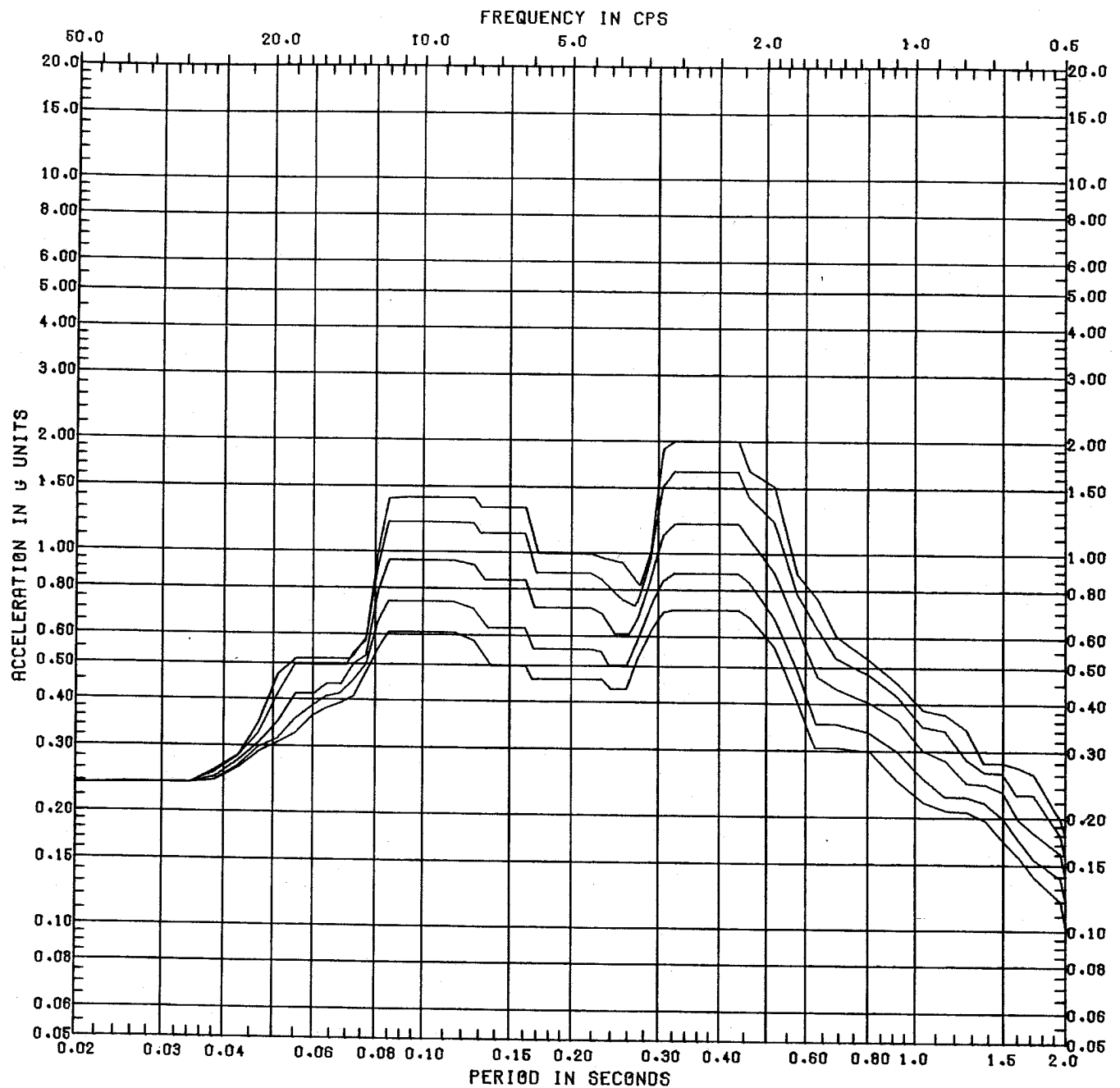
SSE RESPONSE SPECTRA CWSH -
INTERMEDIATE FLOOR
ELEVATION 682'-6"
VERTICAL WALL



CLINTON POWER STATION
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FIGURE 3.7-92

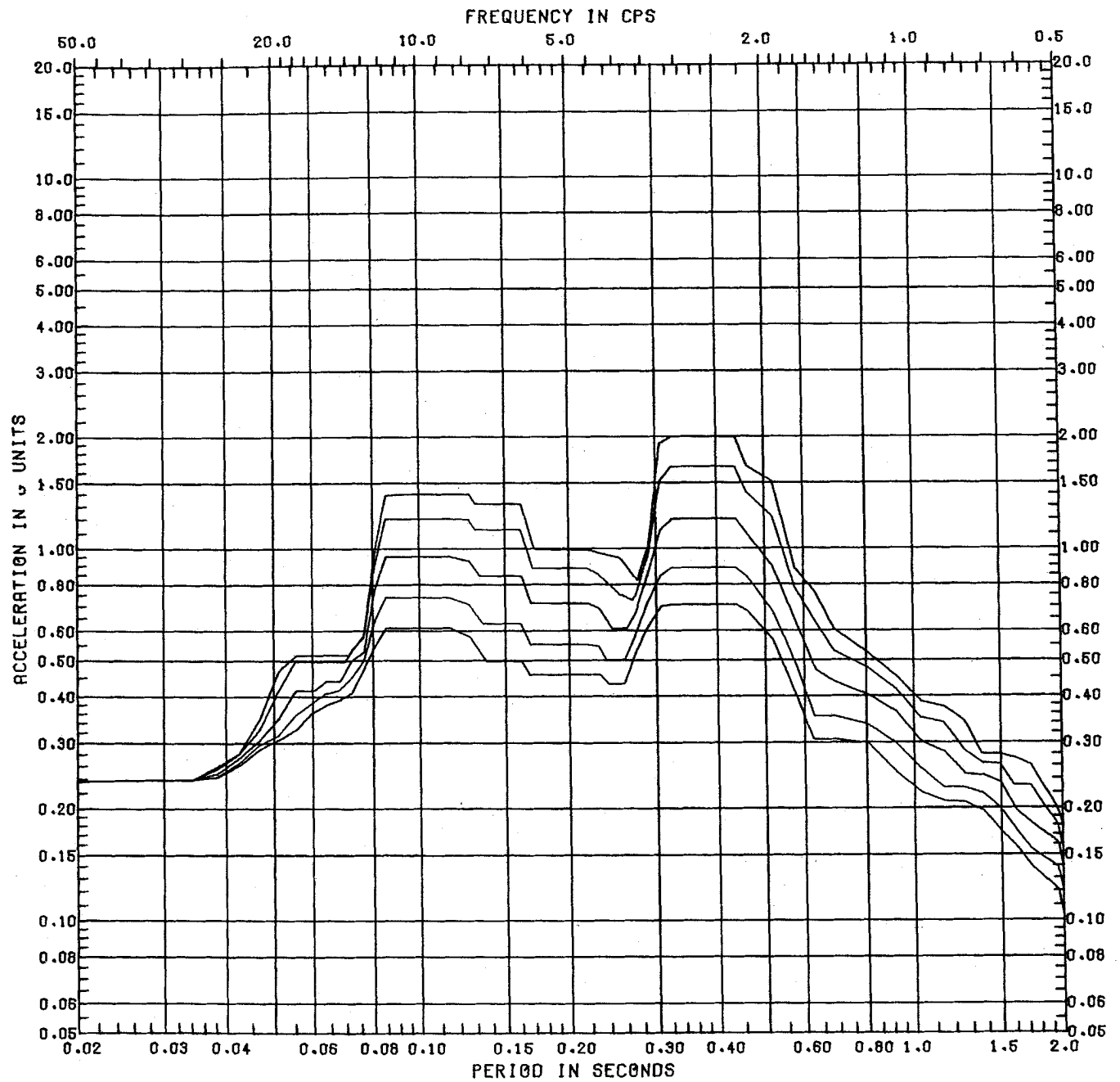
SSE RESPONSE SPECTRA CWSH -
MAIN FLOOR ELEVATION 699'-0"
VERTICAL WALL



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FIGURE 3.7-93

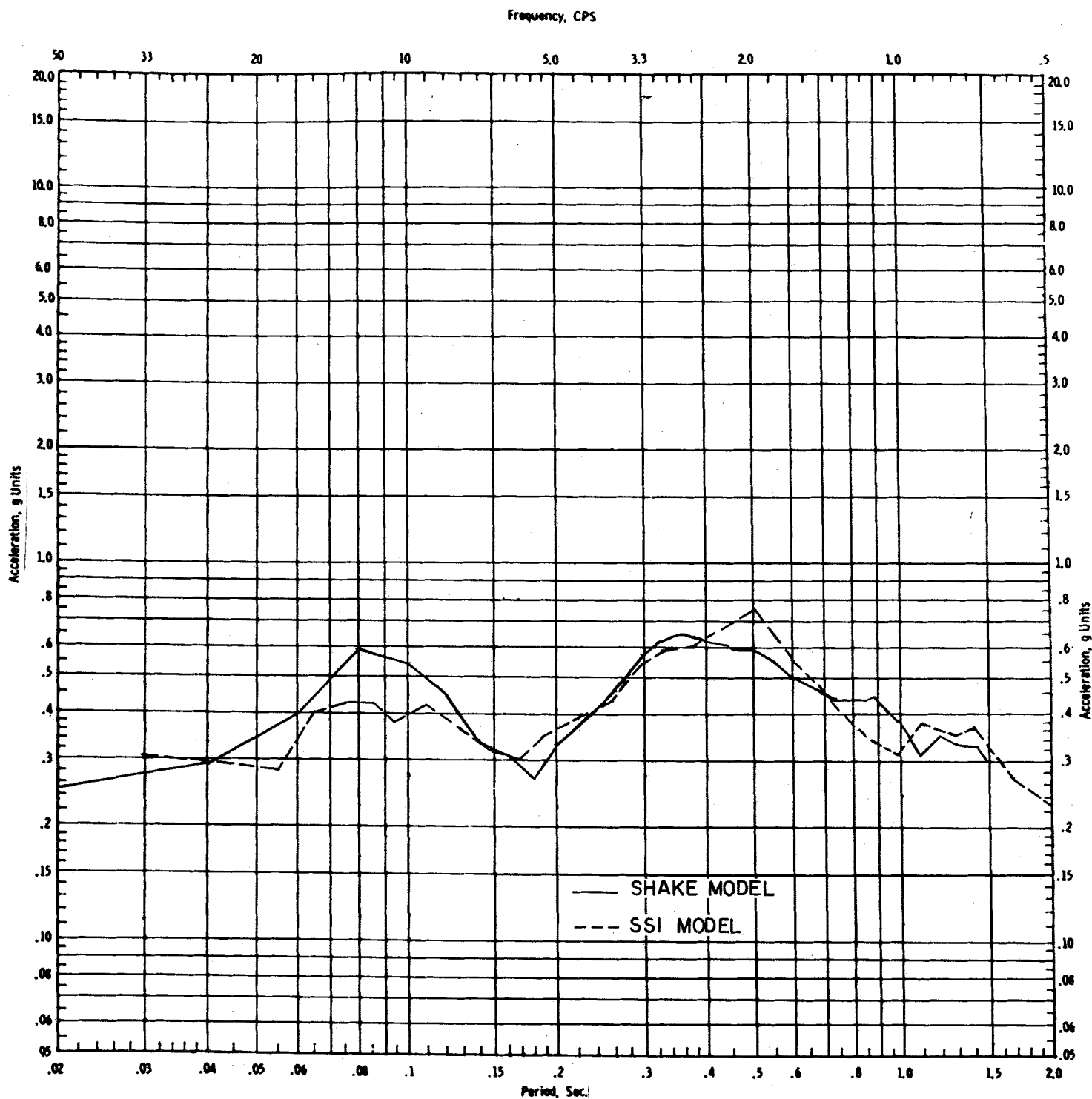
SSE RESPONSE SPECTRA CWSH -
CRANE LEVEL ELEVATION 719'-0"
VERTICAL WALL



CLINTON POWER STATION
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FIGURE 3.7-94

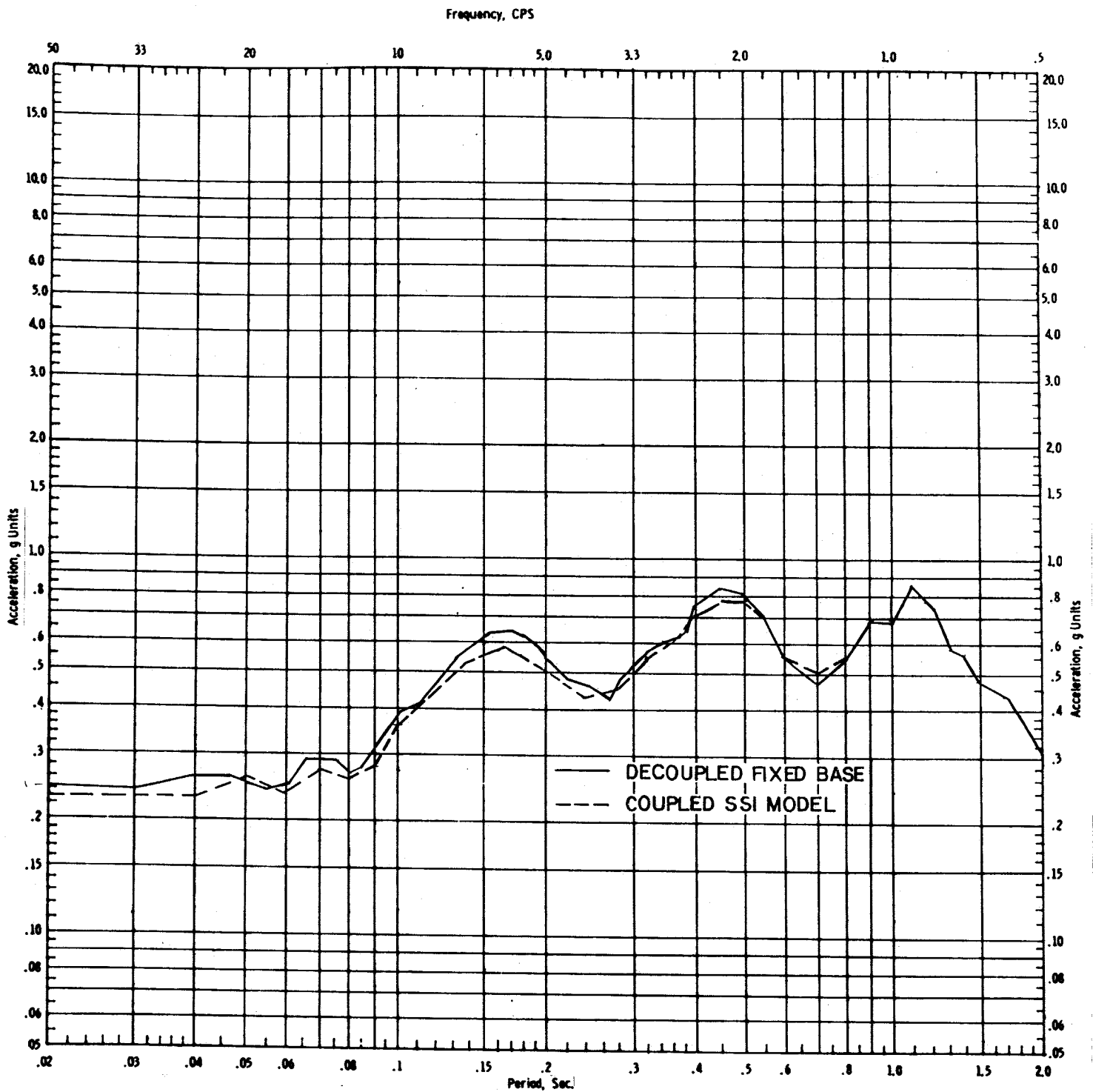
SSE RESPONSE SPECTRA CWSH -
ROOF ELEVATION 730'-0"
VERTICAL WALL



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UPDATED SAFETY ANALYSIS REPORT**

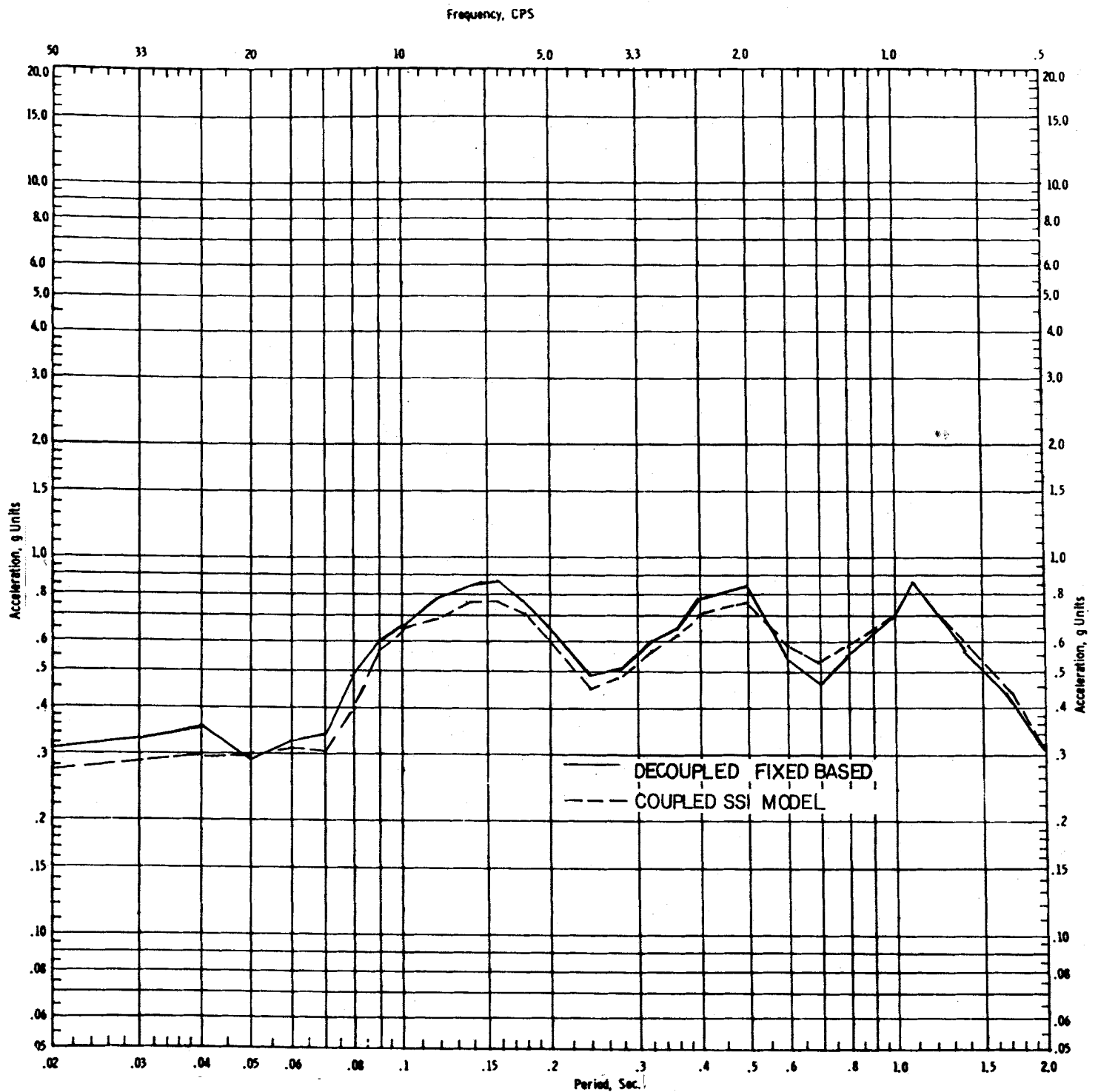
Figure 3.7-95
(Q&R 220.24)

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



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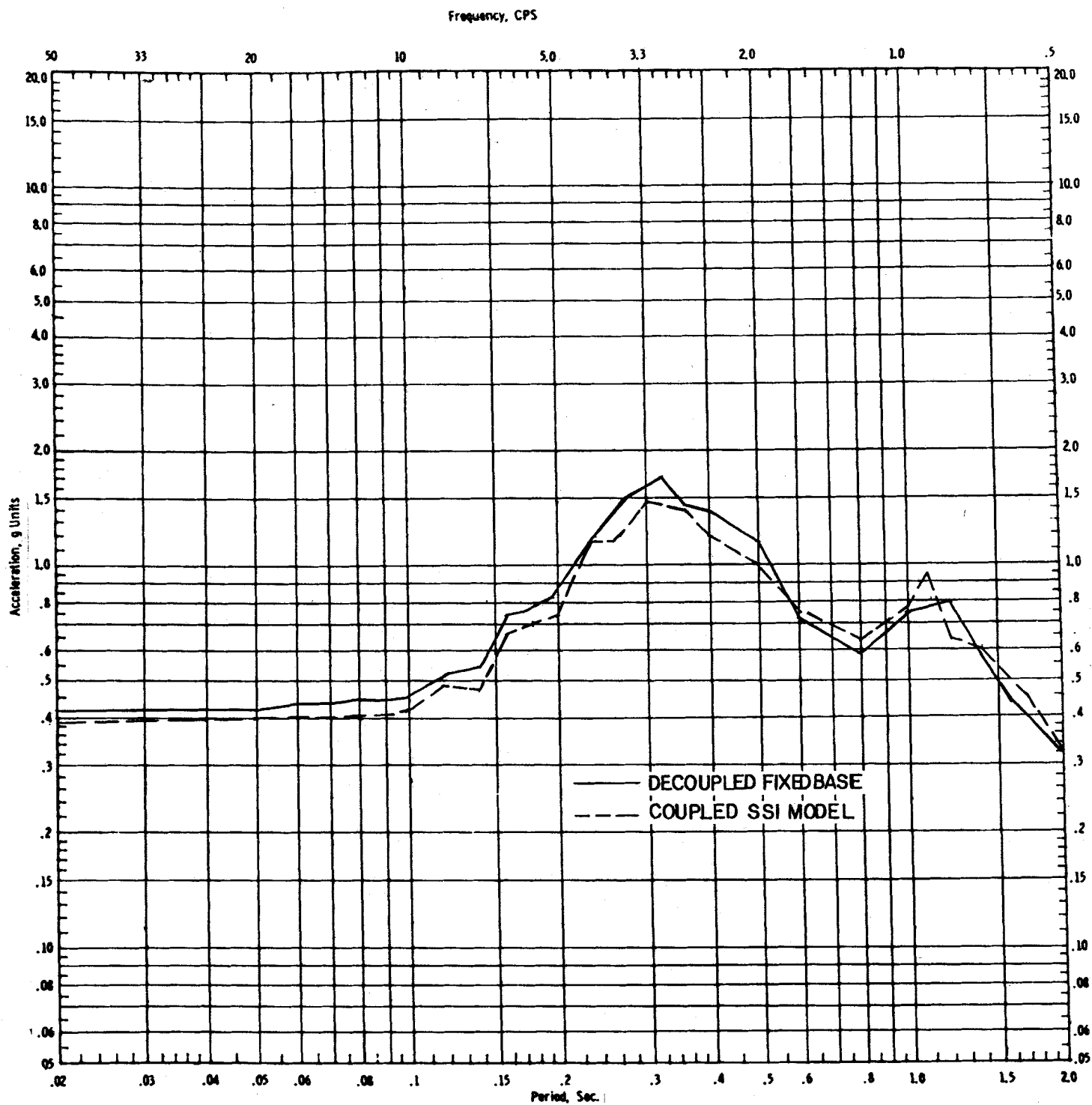
Figure 3.7-96
(Q&R 220.25)
COMPARISON OF DECOUPLED FIXED BASE
AND COUPLED SSI MODEL RESPONSES
AT ELEVATION 781'-0"
(UPPER MEZZANINE FLOOR)



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Figure 3.7-97
(Q&R 220.25)

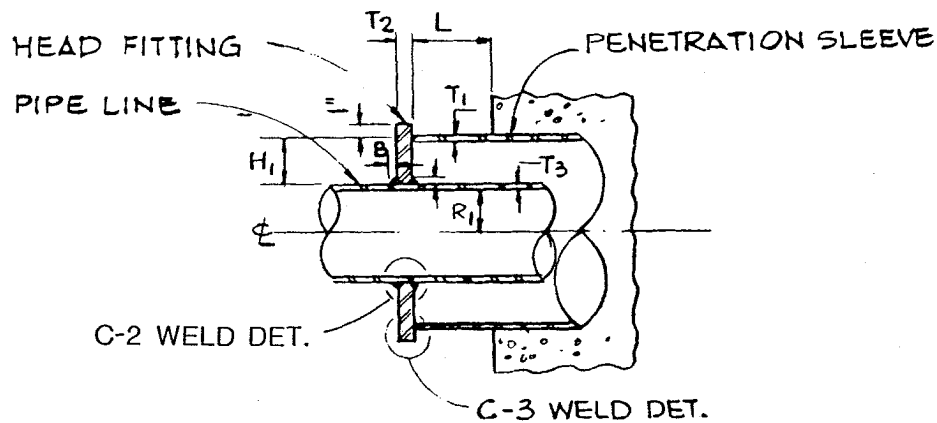
COMPARISON OF DECOUPLED FIXED BASE
AND COUPLED SSI MODEL RESPONSES
AT ELEVATION 825'-0"
(VENT. FLOOR)



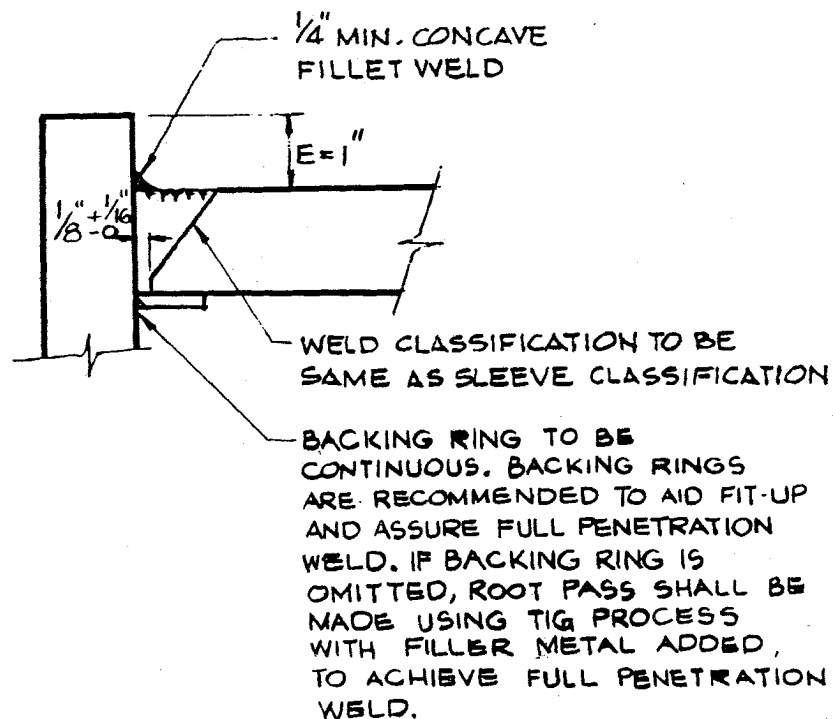
**CLINTON POWER STATION
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Figure 3.7-98
(Q&R 220.25)

COMPARISON OF DECOUPLED FIXED BASE
AND COUPLED SSI MODEL RESPONSES
AT ELEVATION 874'-0"
(TURBINE ROOM ROOF)



PIPE ATTACHMENT



DETAIL "C-3"

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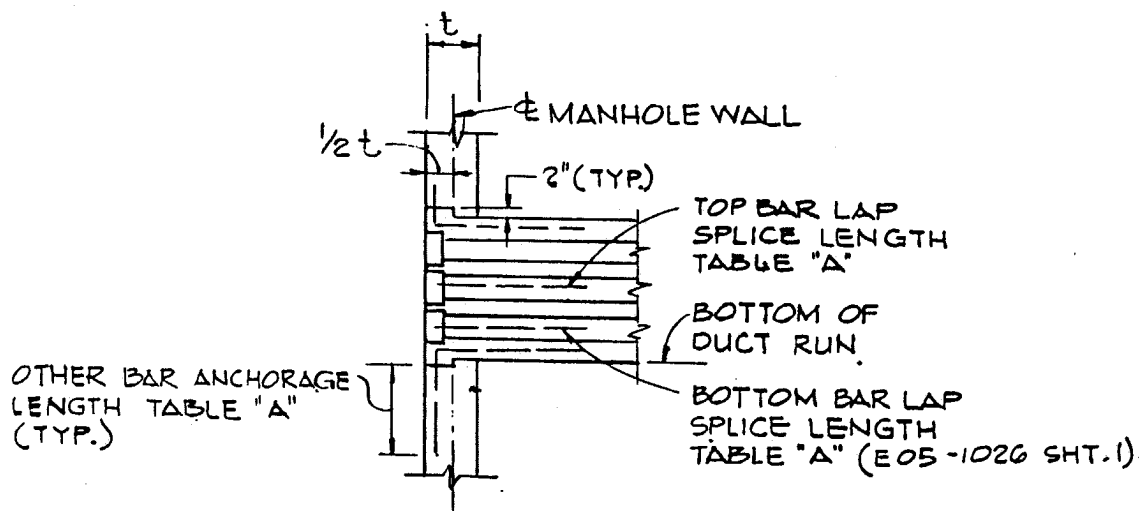
Figure 3.7-99
(Q&R 220.36)

DETAIL OF PIPE ATTACHMENT



Figure 3.7-100
(Q&R 220.36)

ELECTRICAL MANHOLE CONNECTION DETAILS



TYP. DUCT DETAIL @ MANHOLE WALL
(CATEGORY I)

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Figure 3.7-101
(Q&R 220.36)
TYPICAL DUCT DETAIL
AT MANHOLE WALL
(CATEGORY I)

Security - Related Information Figure Withheld Under 10 CFR 2.390

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UPDATED SAFETY ANALYSIS REPORT**

FIGURE 3.8-1

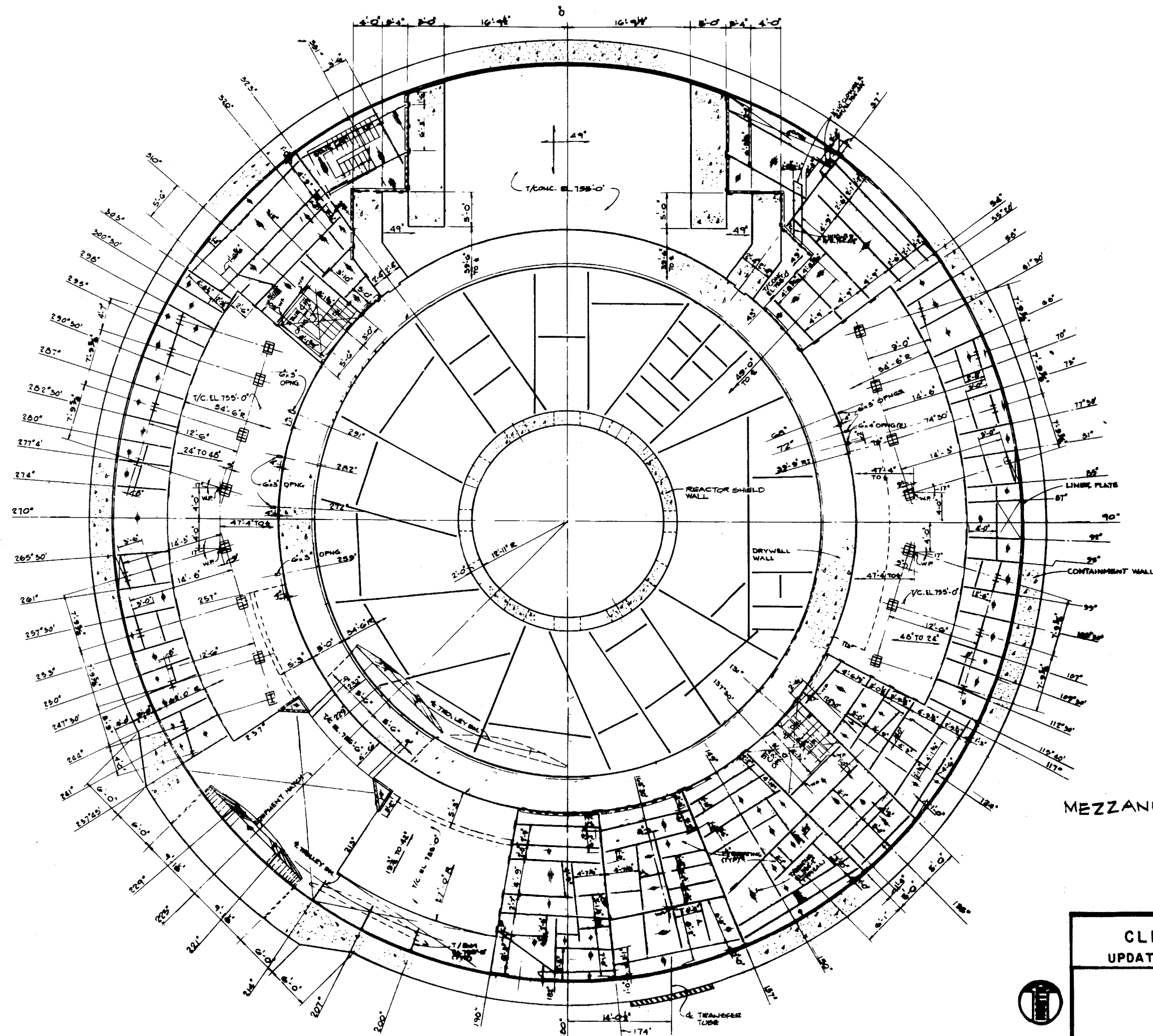
CONTAINMENT SYSTEM

(SHEET 1 of 2)

Security - Related Information Figure Withheld Under 10 CFR 2.390

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FIGURE 3.8-1
CONTAINMENT SYSTEM
(SHEET 2 of 2)

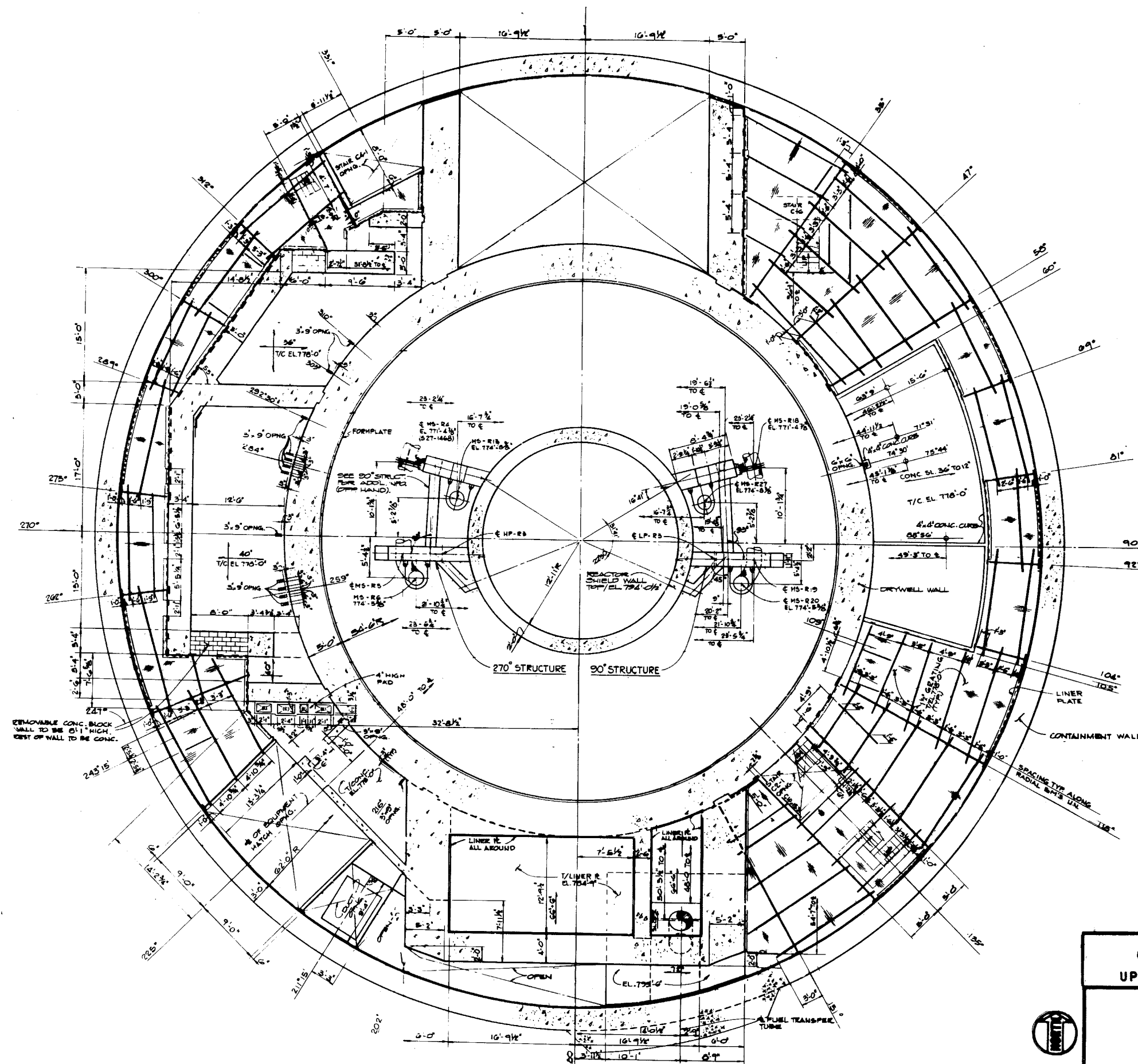


MEZZANINE FLOOR EL. 755'-0"



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FIGURE 3.8-2
CONTAINMENT FRAMING PLAN
(SHEET 3 of 6)

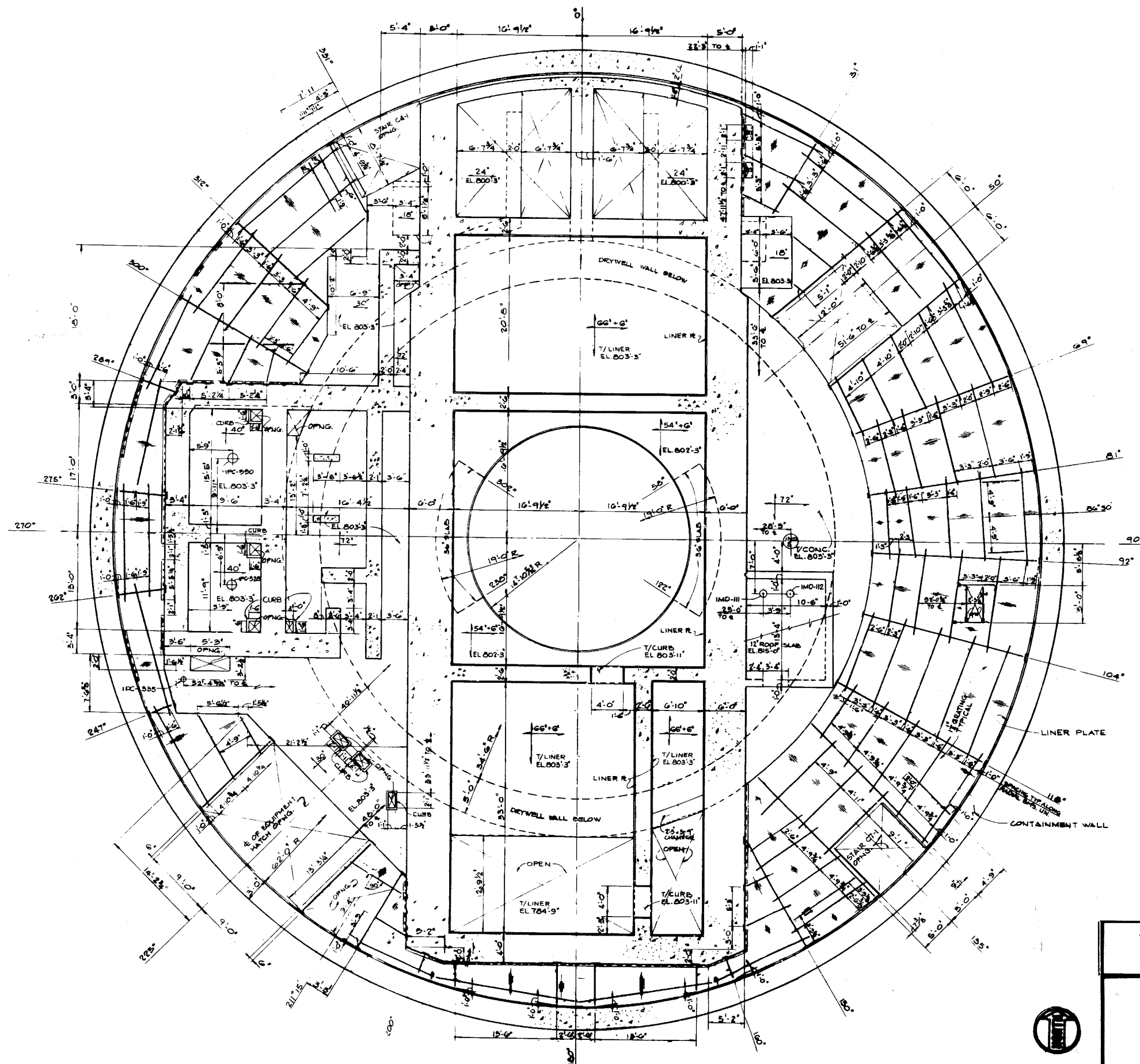


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FIGURE 3.8-2

CONTAINMENT FRAMING PLAN

(SHEET 4 of 6)



FLOOR EL. 803'-3"

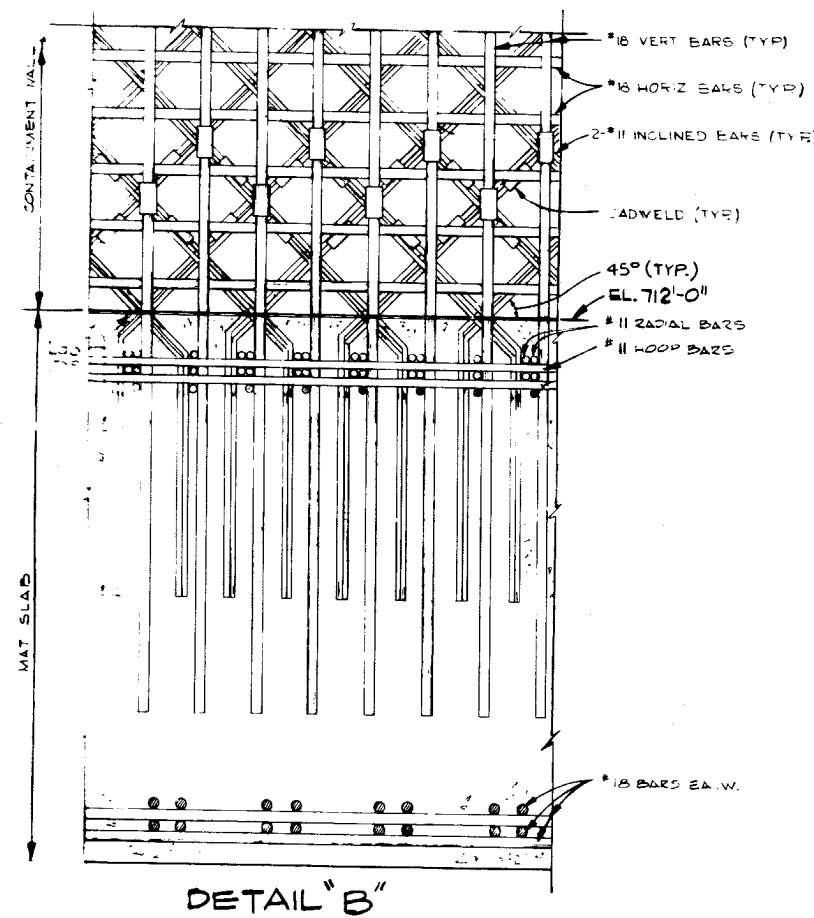
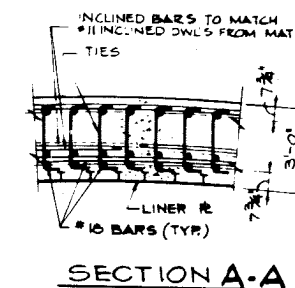
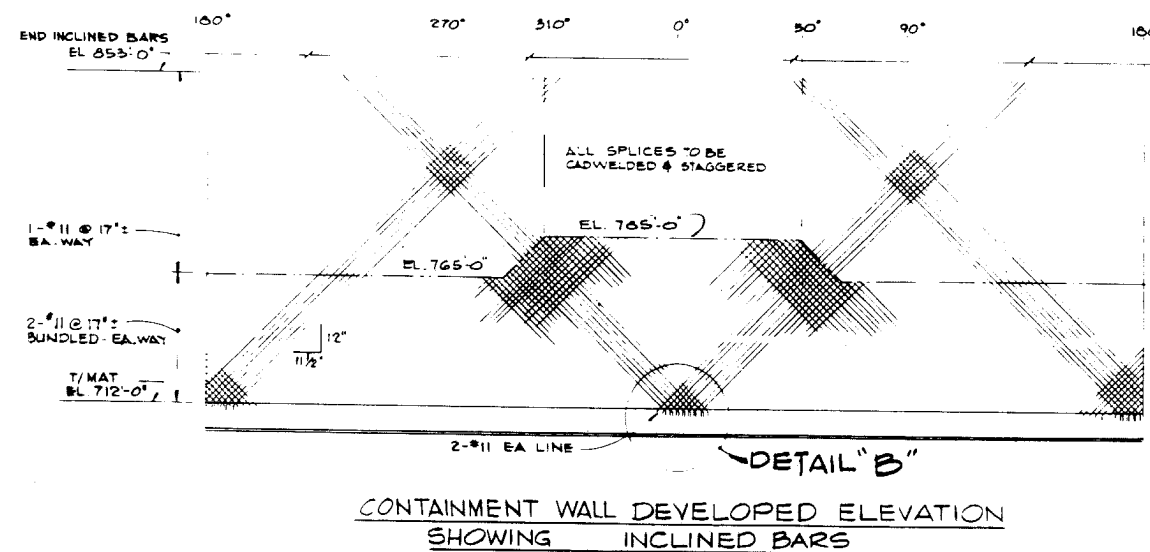
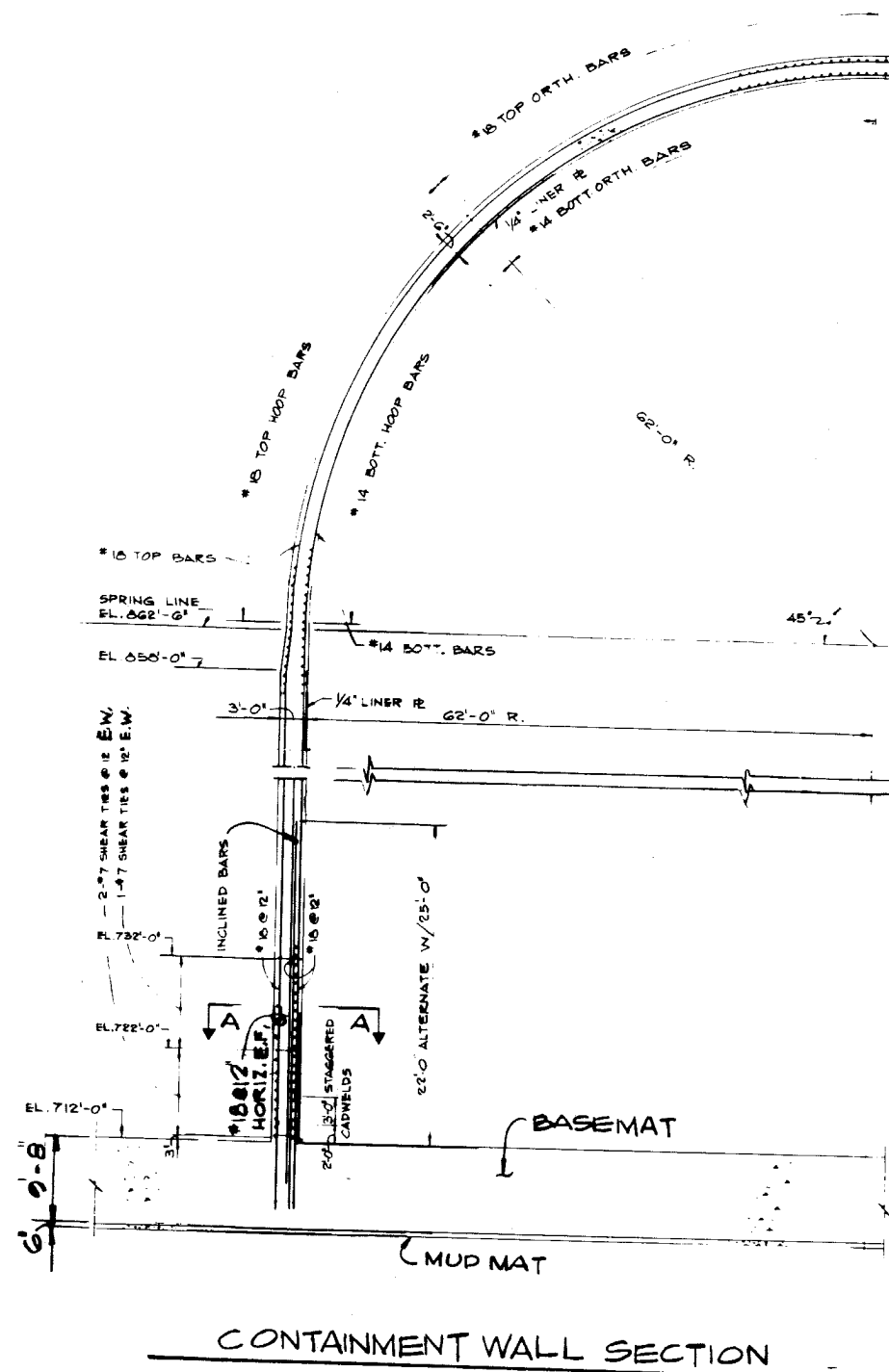
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FIGURE 3.8-2

CONTAINMENT FRAMING PLAN

(SHEET 5 of 6)



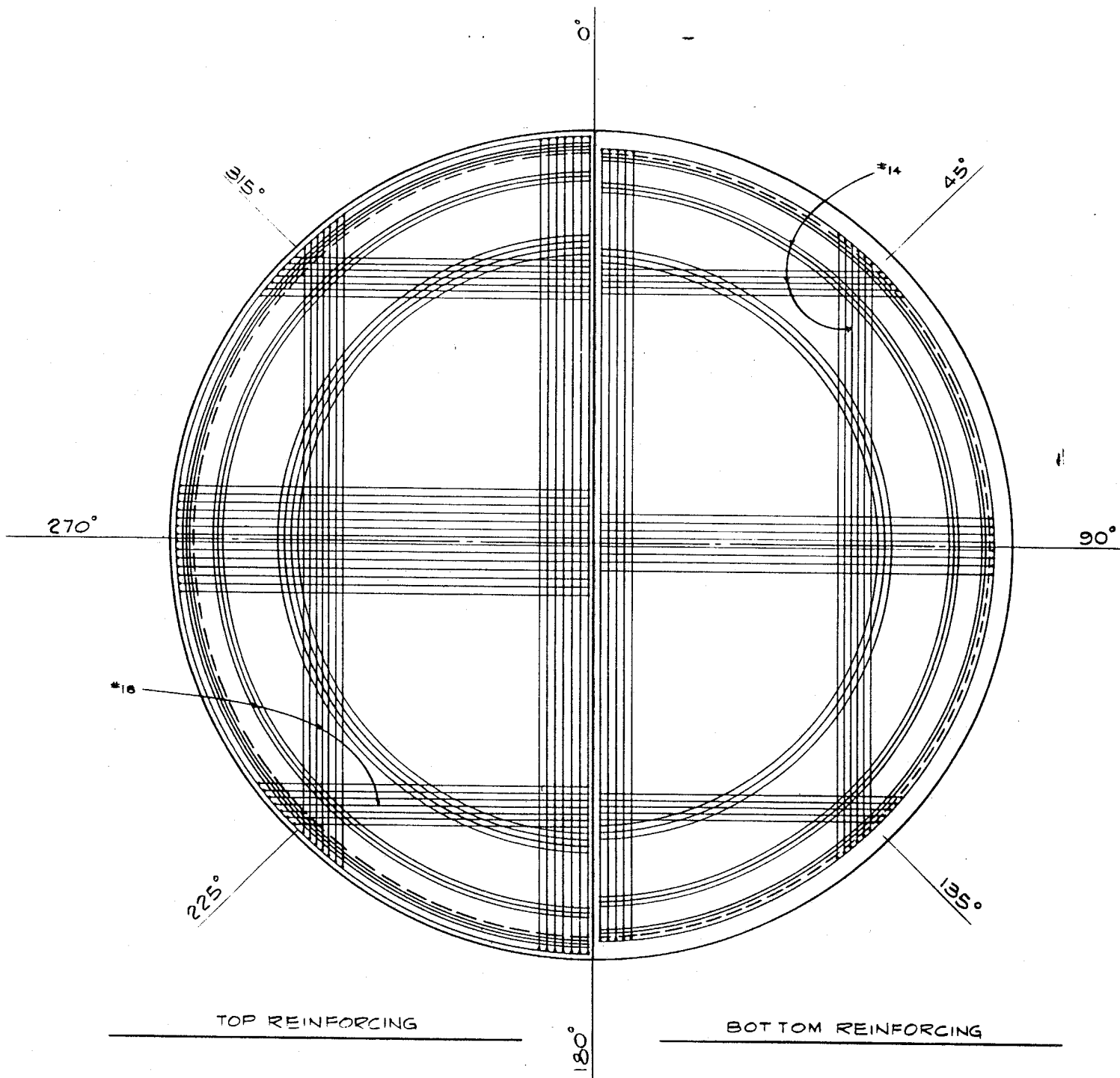


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FIGURE 3.8-3

CONTAINMENT WALL & DOME
REINFORCING DETAILS

(SHEET 1 of 2)



DOME PLAN

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FIGURE 3.8-3

CONTAINMENT WALL & DOME
REINFORCING DETAILS

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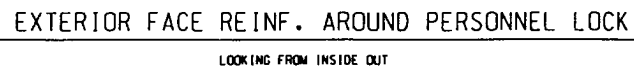
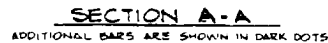
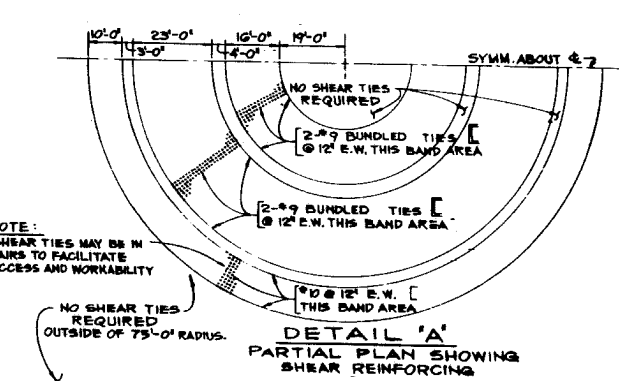
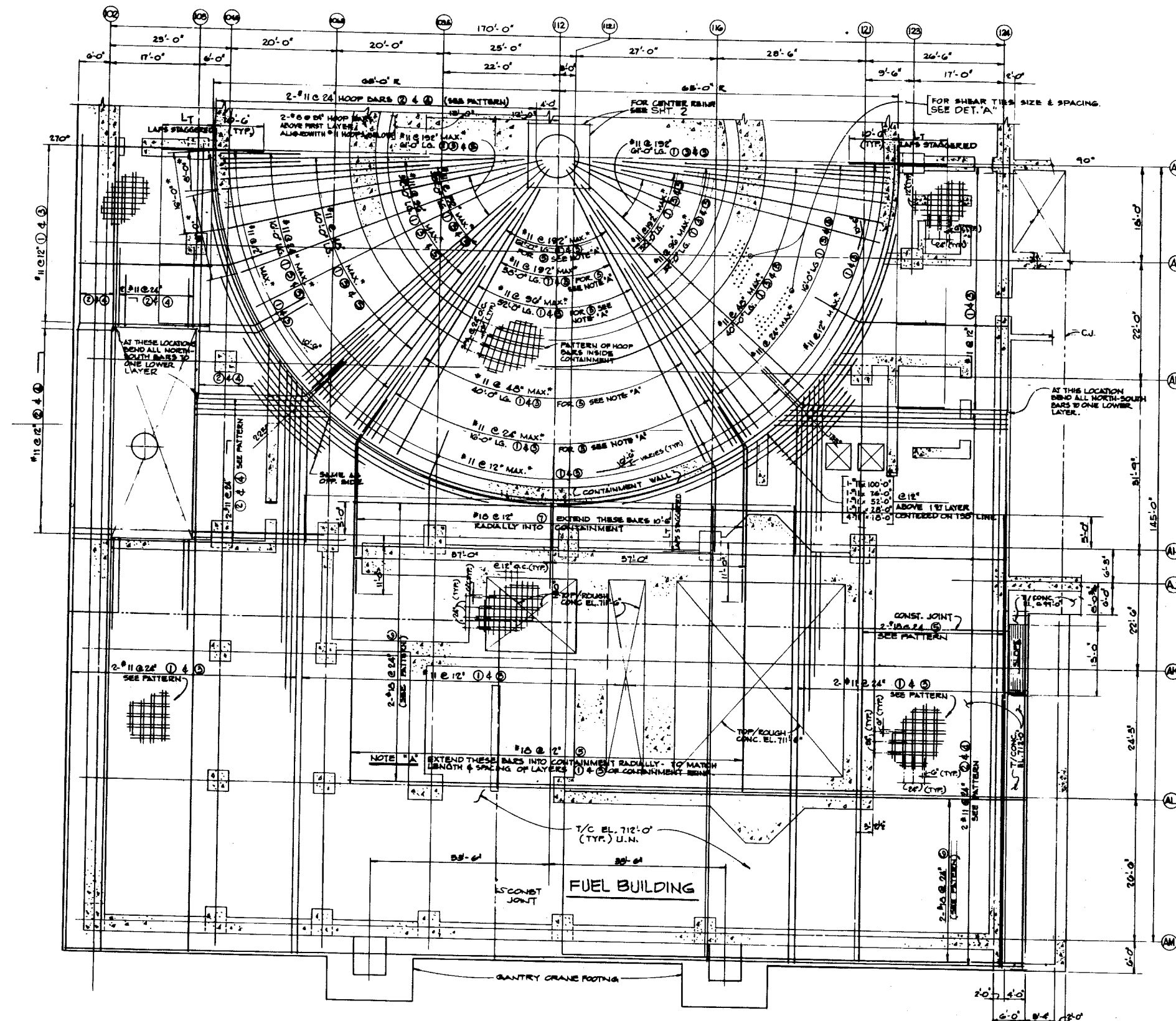


FIGURE 3.8-4

PERSONNEL AND EQUIPMENT HATCH
REINFORCING DETAILS (CONTAINMENT)



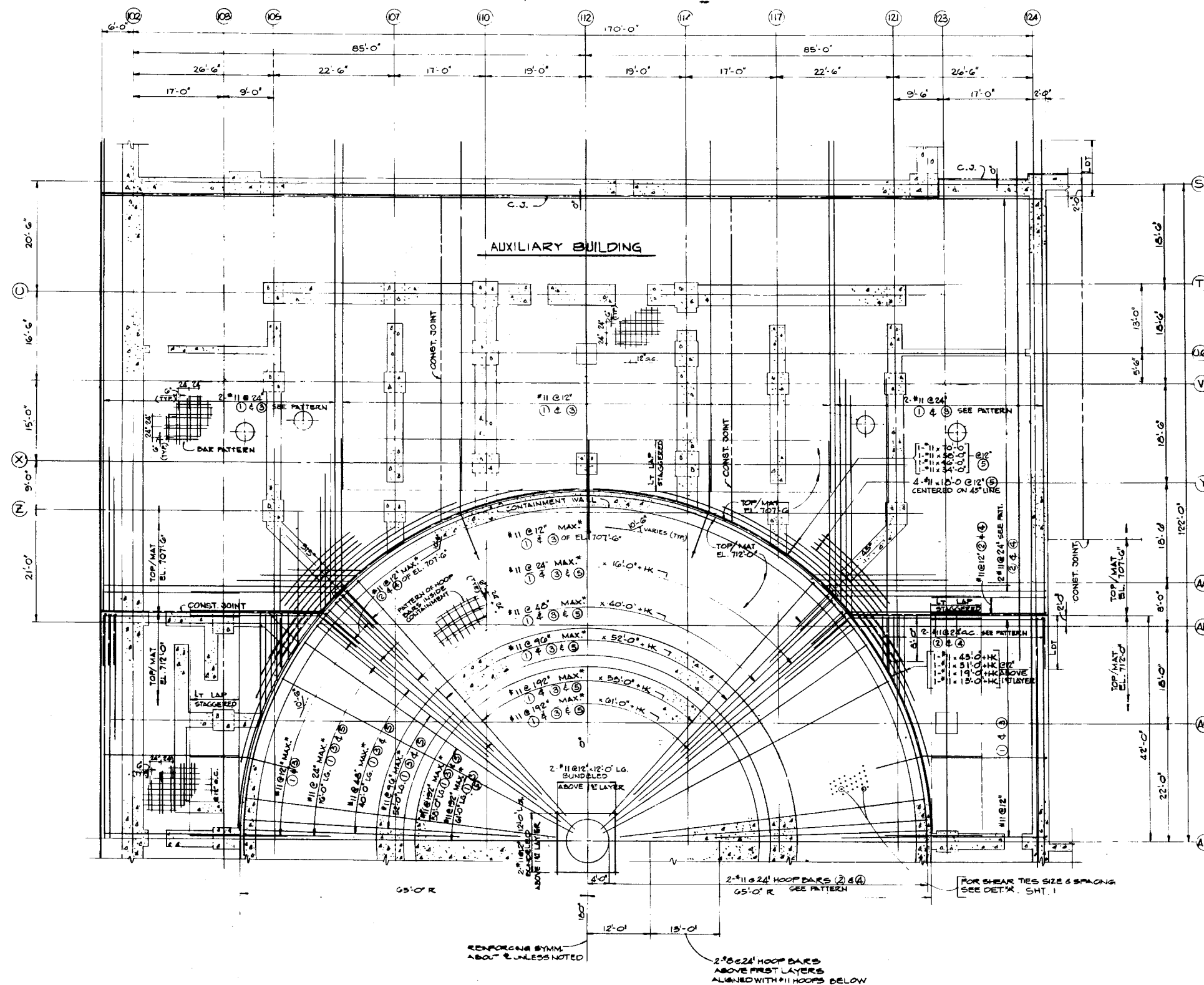
* SPACING OF RADIAL BARS SHALL BE MEASURED ALONG A CIRCLE OF 66'-0" RADIUS. THE STARTING POINT OF RADIAL BARS SHALL BE ON A CIRCLE OF 64'-0" RADIUS.

LEGEND
NUMBER IN CIRCLE THUS ⑤ REPRESENTS THE LEVEL IN WHICH THE BAR IS POSITIONED

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FIGURE 3.8-5

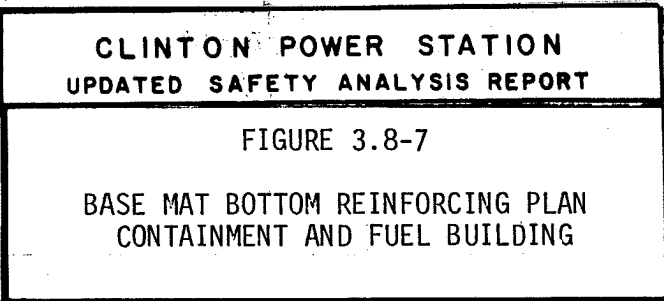
BASE MAT TOP REINFORCING PLAN
CONTAINMENT AND FUEL BUILDING



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FIGURE 3.8-6

**BASE MAT TOP REINFORCING PLAN
CONTAINMENT AND AUXILIARY BUILDING**

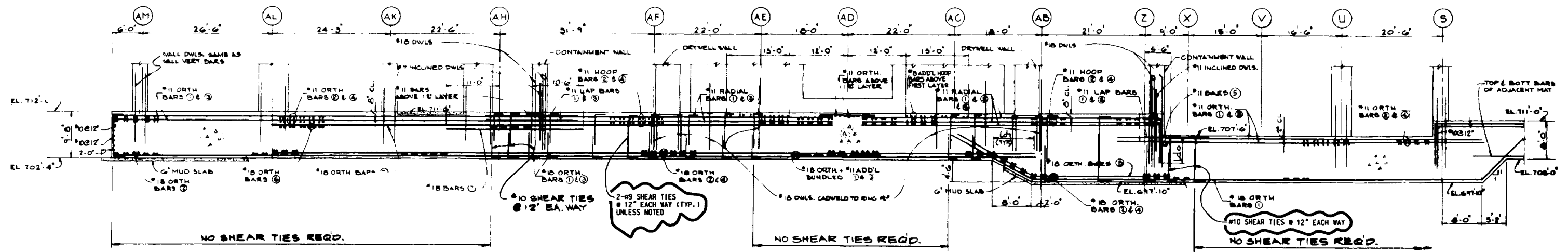


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FIGURE 3.8-7

BASE MAT BOTTOM REINFORCING PLAN
CONTAINMENT AND FUEL BUILDING

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TYPICAL SECTION THRU BASE MAT

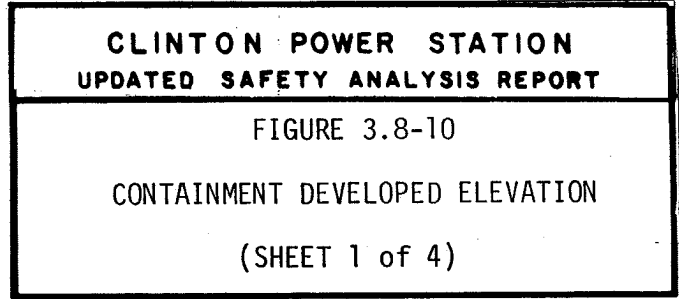
LEGEND

NUMBER IN CIRCLE THUS (3) REPRESENTS
THE LAYER IN WHICH THE BAR IS POSITIONED

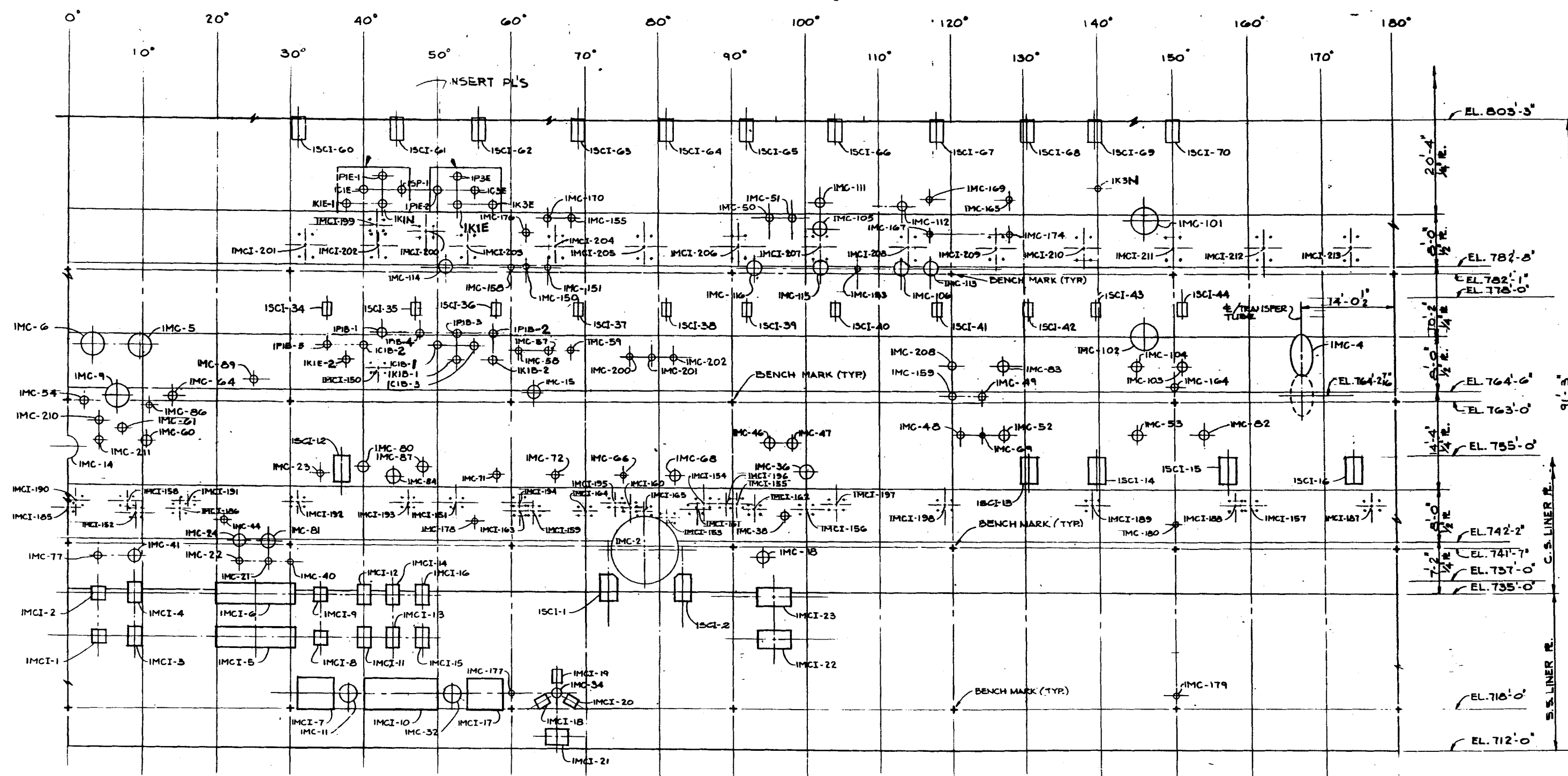
CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-9

BASE MAT SECTION REINFORCING DETAIL



(SHEET 1 of 4)

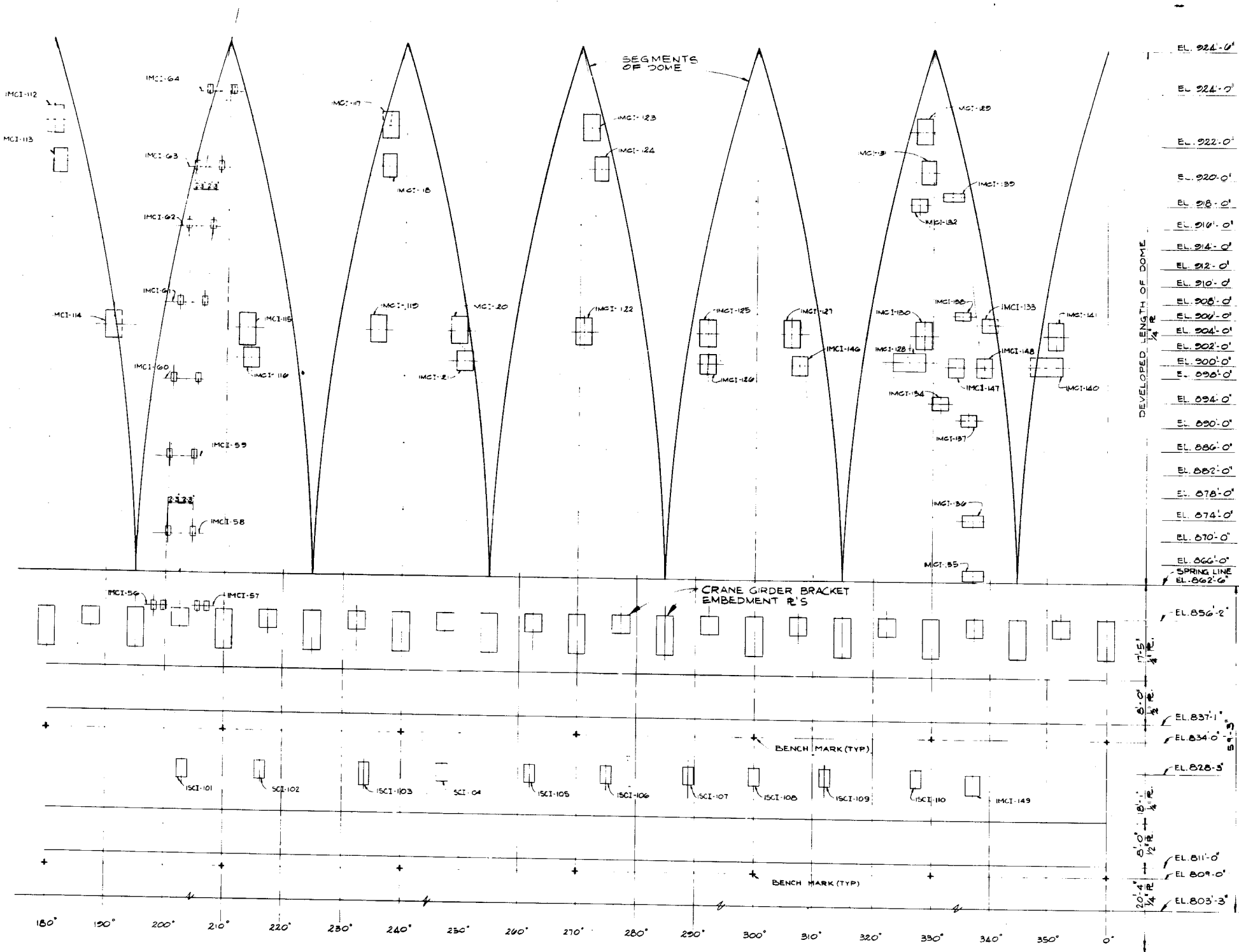


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FIGURE 3.8-10

CONTAINMENT DEVELOPED ELEVATION

(SHEET 2 of 4)

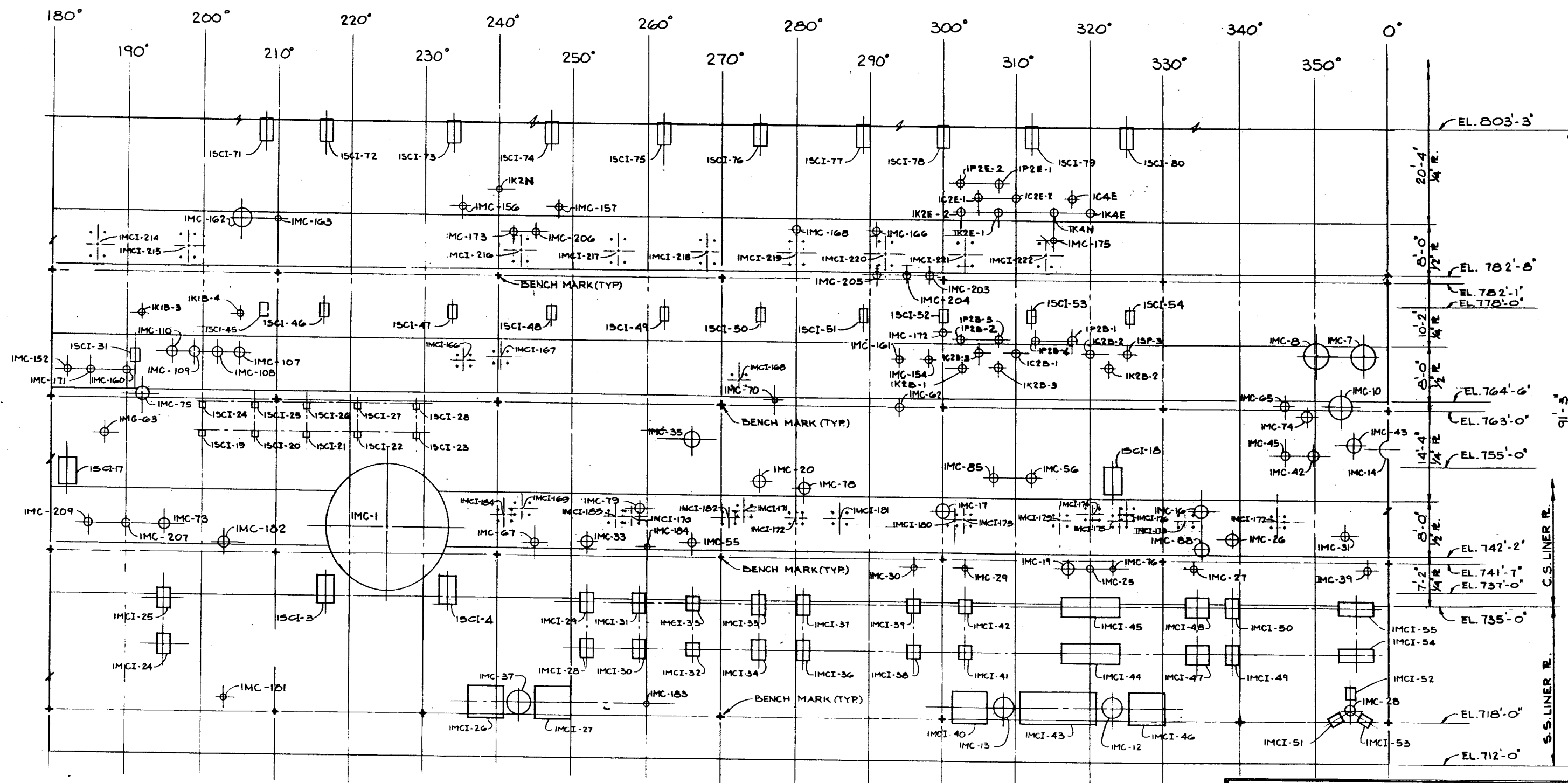


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FIGURE 3.8-10

CONTAINMENT DEVELOPED ELEVATION

(SHEET 3 of 4)



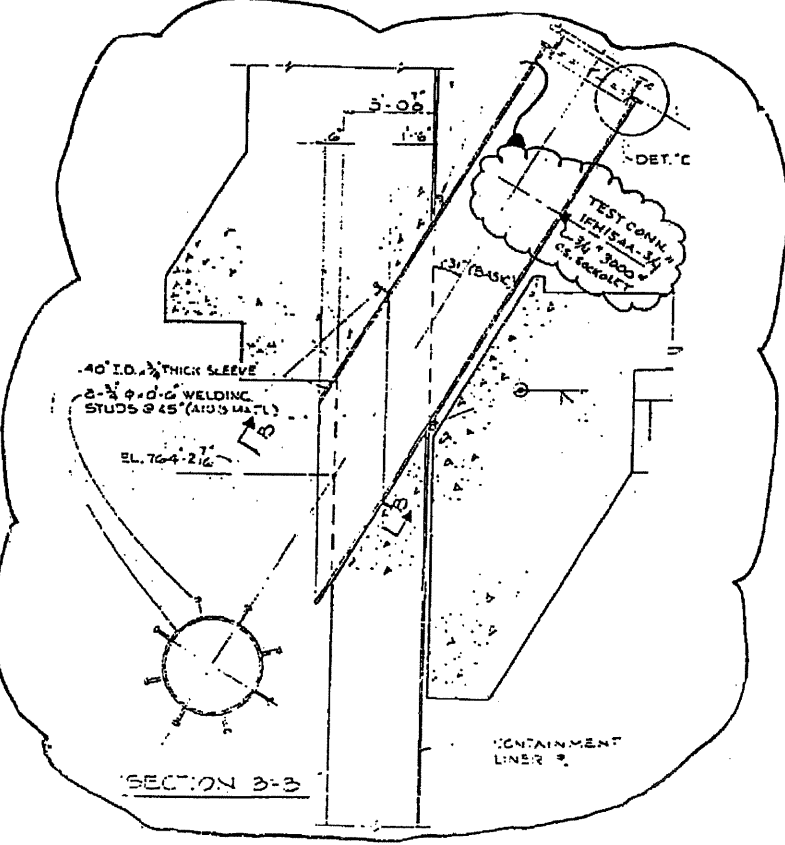
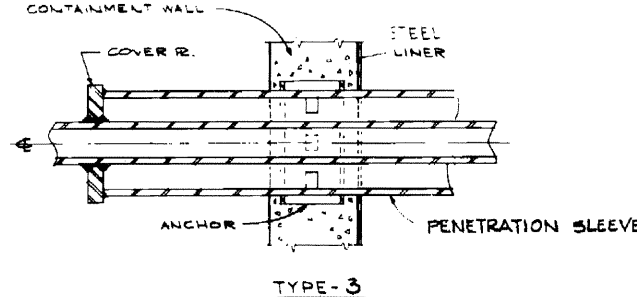
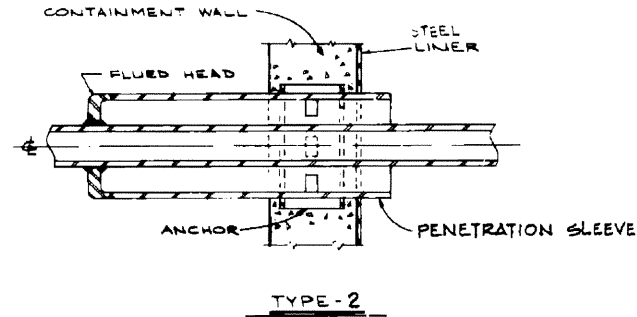
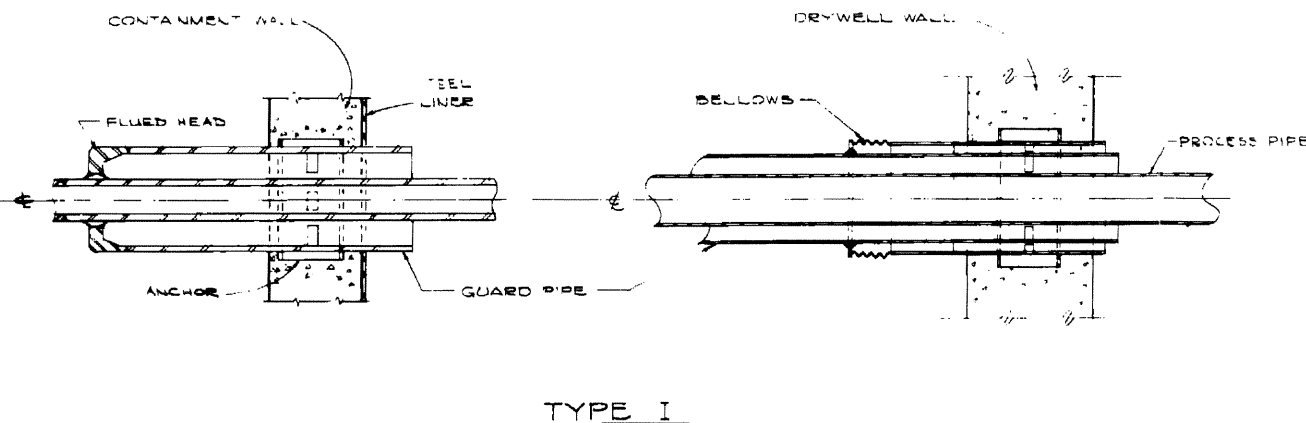
CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-10

CONTAINMENT DEVELOPED ELEVATION

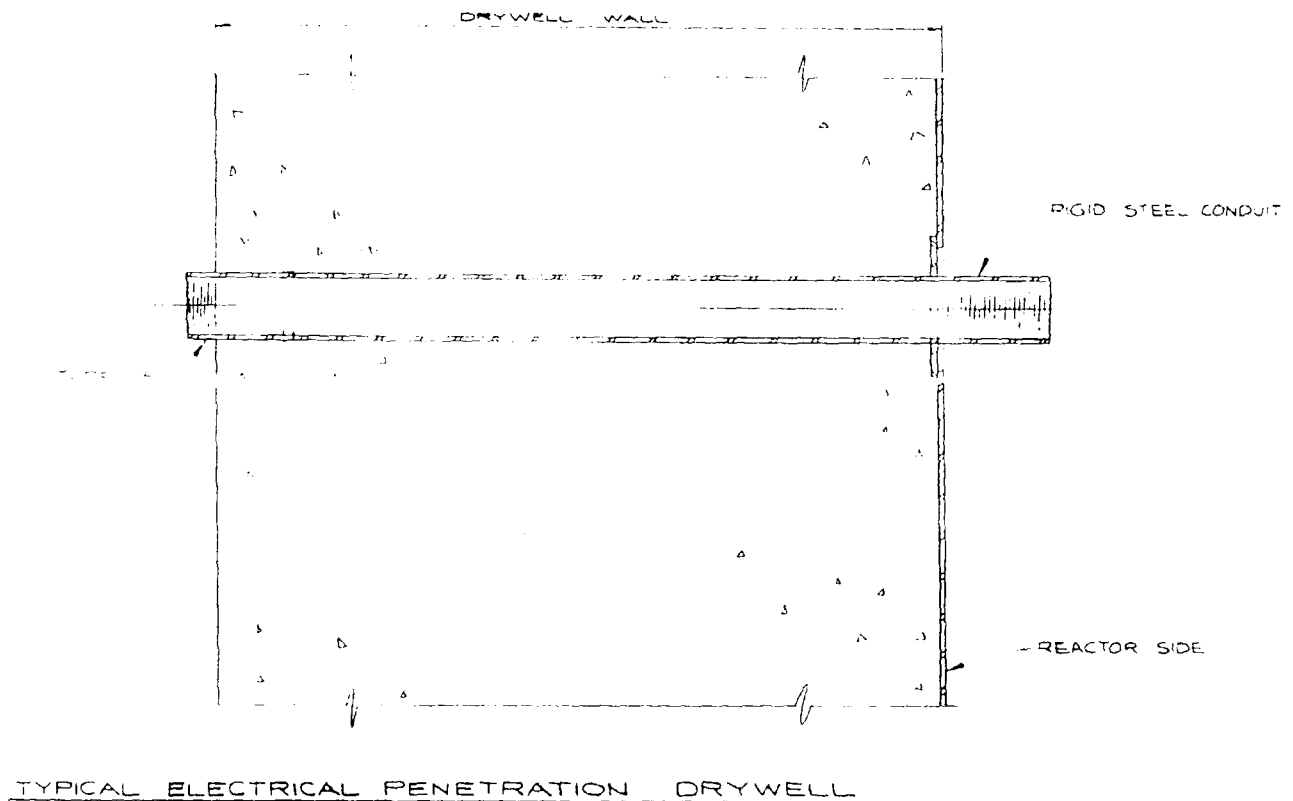
(SHEET 4 of 4)

REVISION 10
OCTOBER 2002



CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT
FIGURE 3.8-11
CONTAINMENT BUILDING PENETRATIONS

Revision 10
October 2001



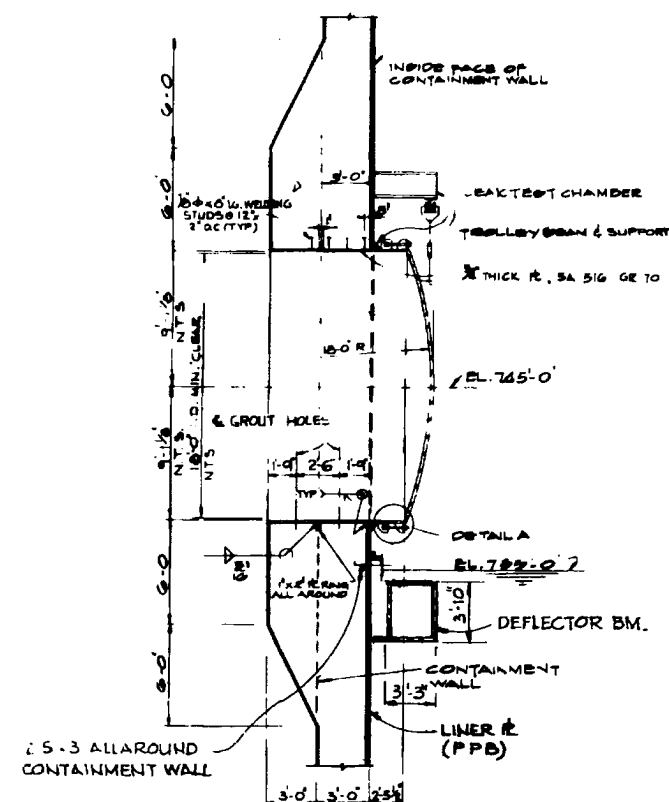
TYPICAL ELECTRICAL PENETRATION DRYWELL

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

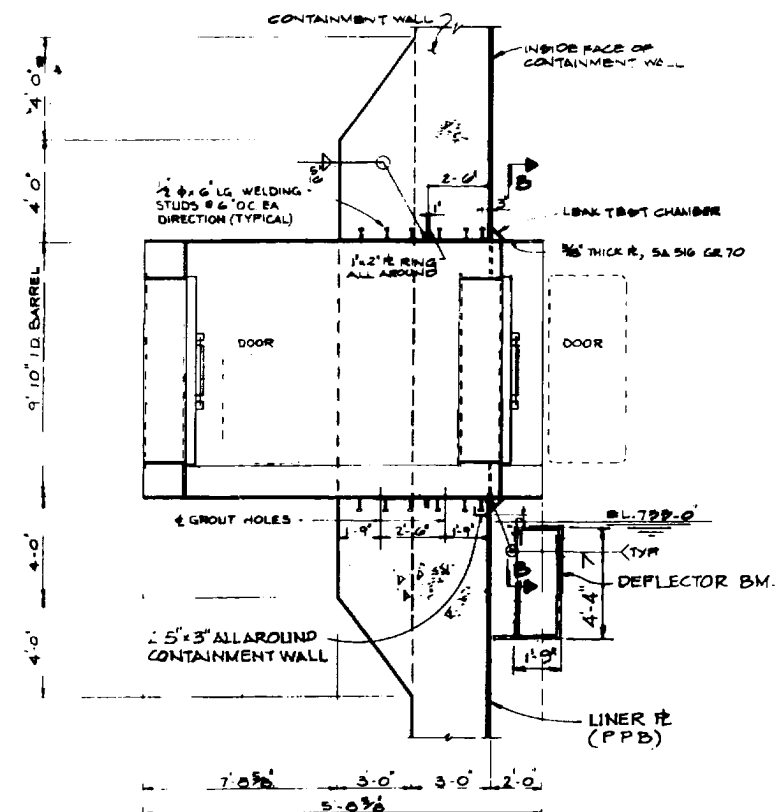
FIGURE 3.8-12

ELECTRICAL PENETRATIONS

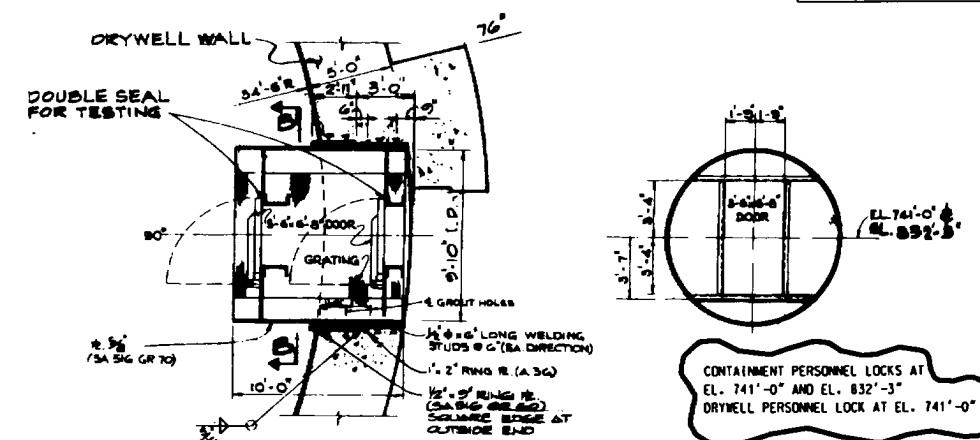
Note: Figure 3.8-12 Page 2 of 2 has
been deleted.



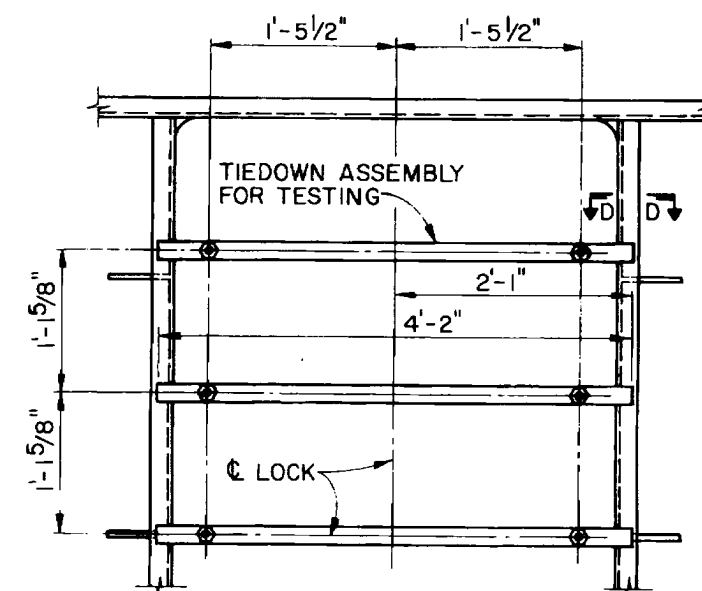
CONTAINMENT
EQUIPMENT HATCH



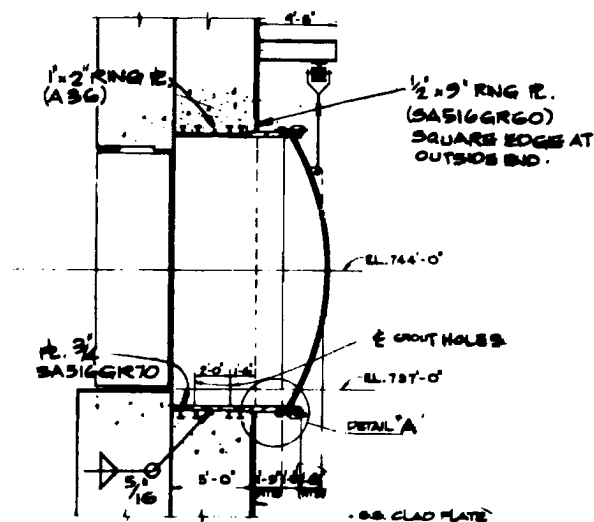
CONTAINMENT PERSONNEL
ACCESS LOCK



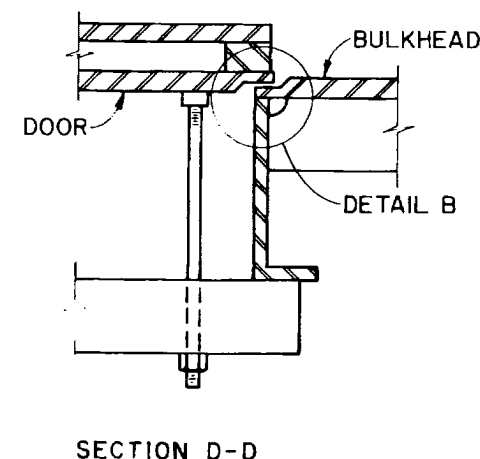
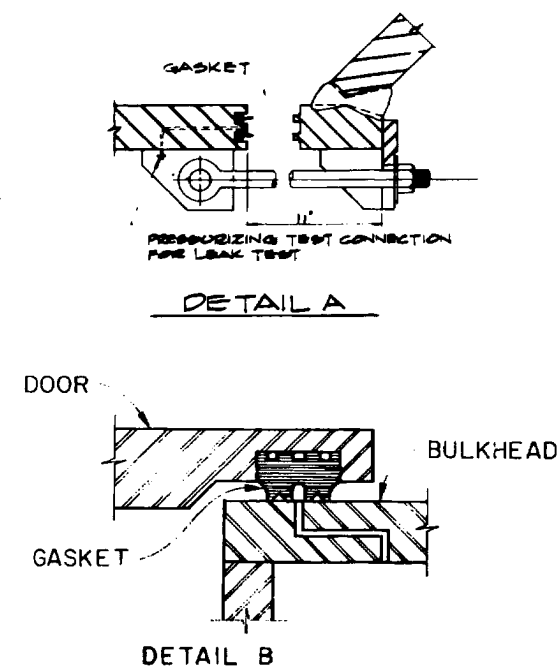
PLAN DRYWELL WALL PERSONNEL LOCK SECTION D-D



NOTE: TIEDOWNS ARE REQUIRED ON THE INTERIOR DOOR
FOR CONTAINMENT PERSONNEL AIR LOCK TESTS
GREATER THAN 2 PSIG.



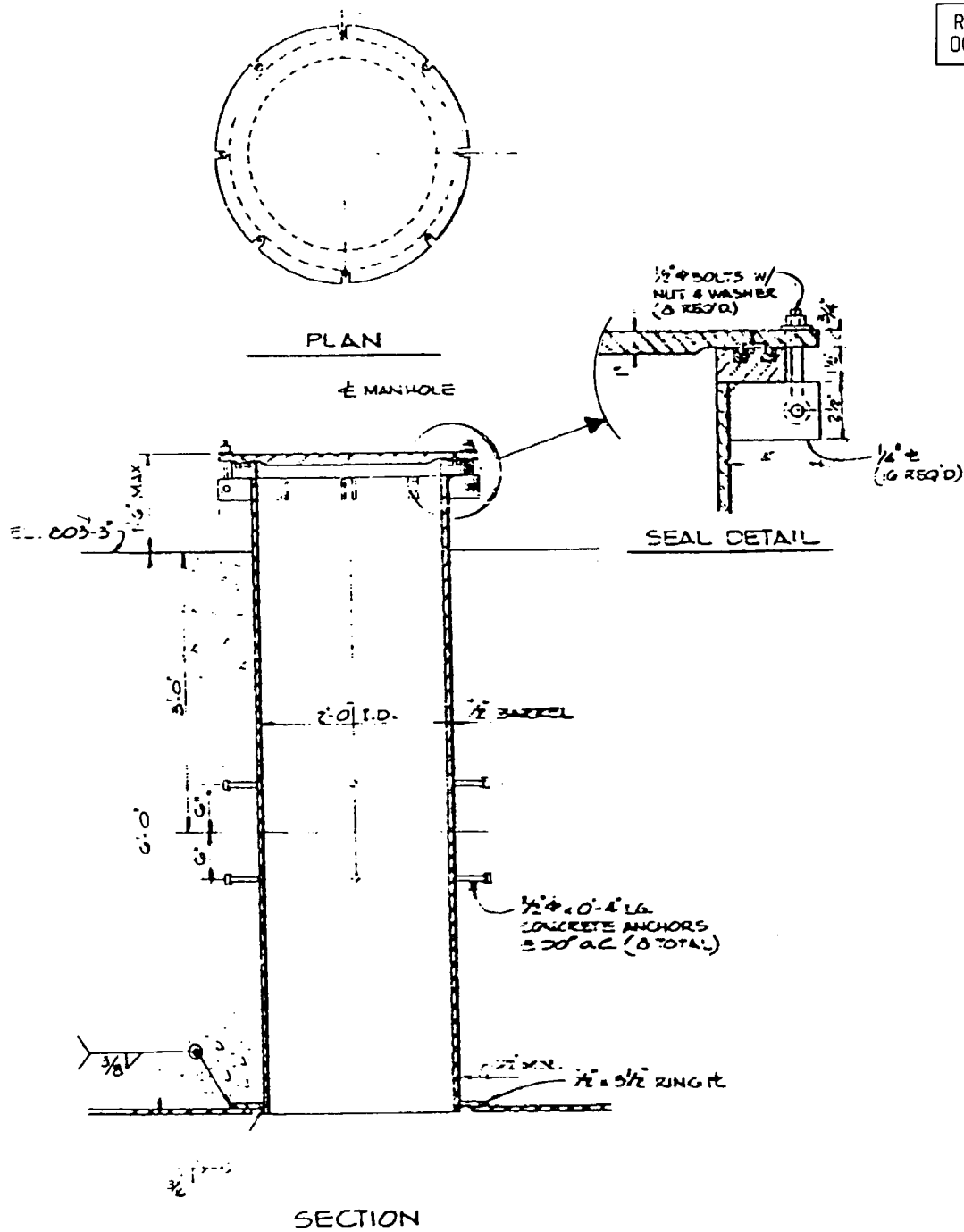
DRYWELL WALL EQUIPMENT HATCH



**CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT**

FIGURE 3.8-13
PERSONNEL AND EQUIPMENT HATCH
DETAILS

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OCTOBER 2001

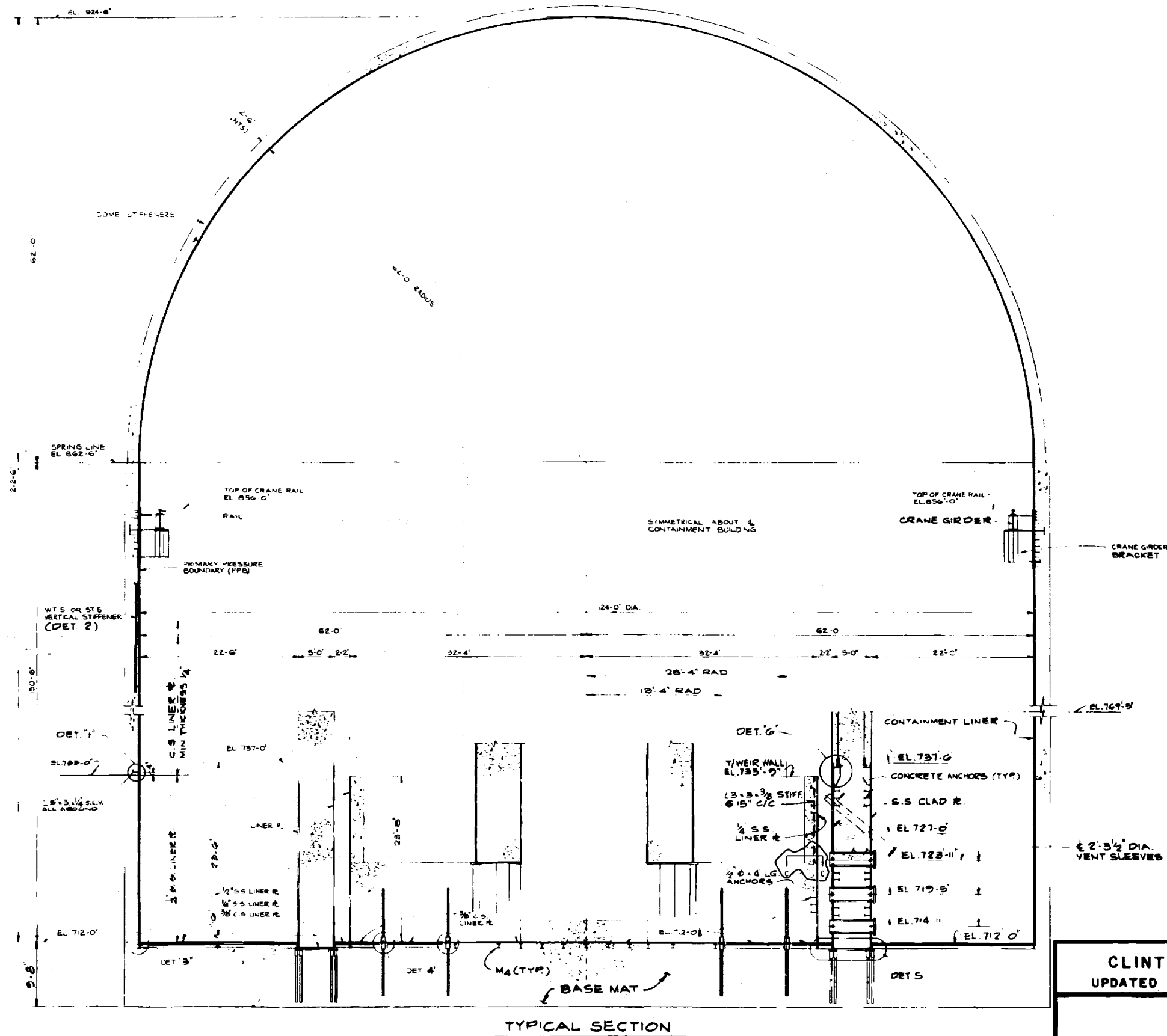


DRYWELL CEILING PERSONNEL HATCH

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

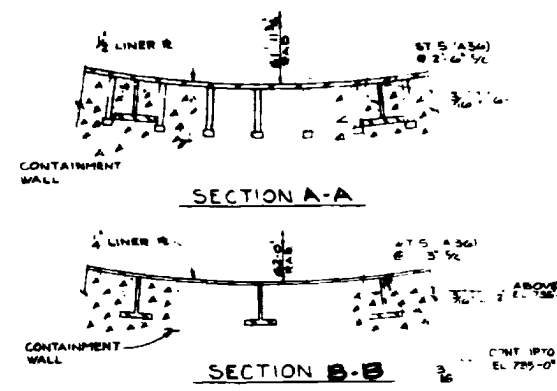
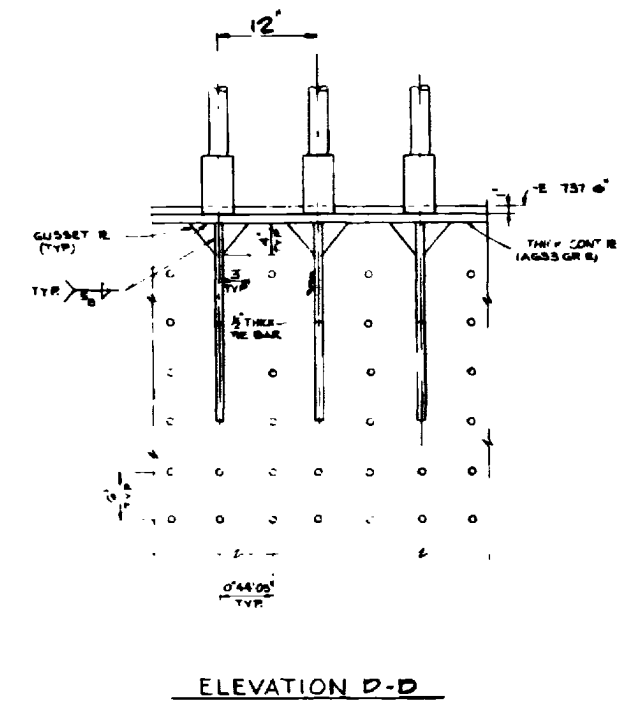
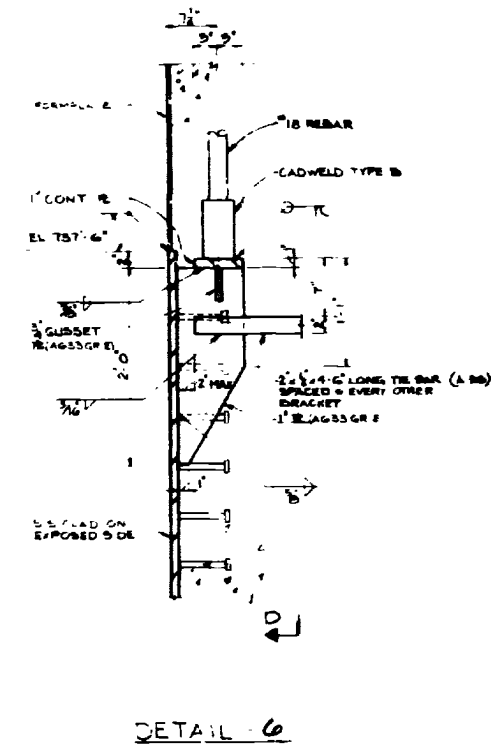
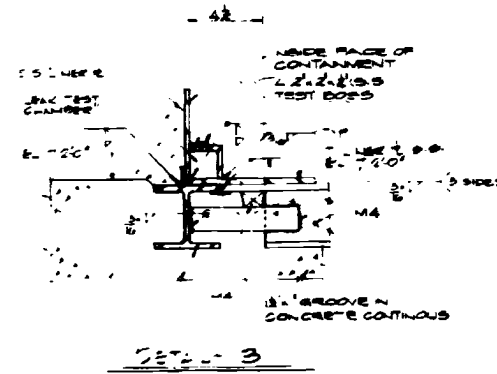
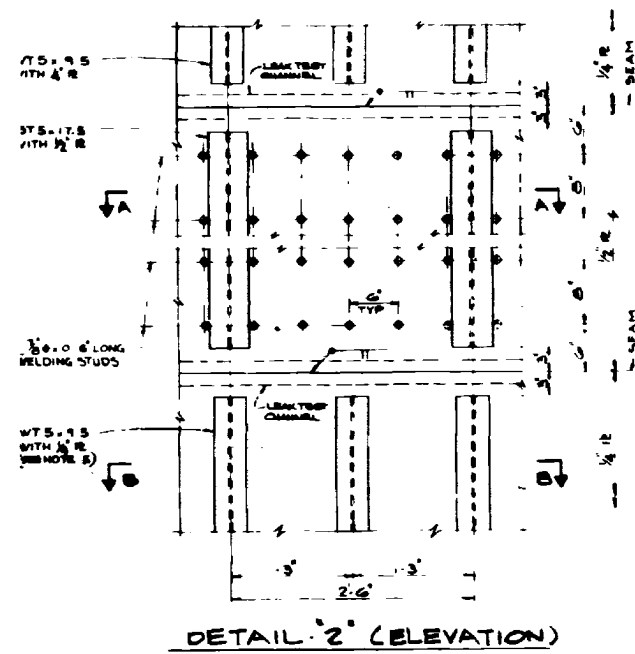
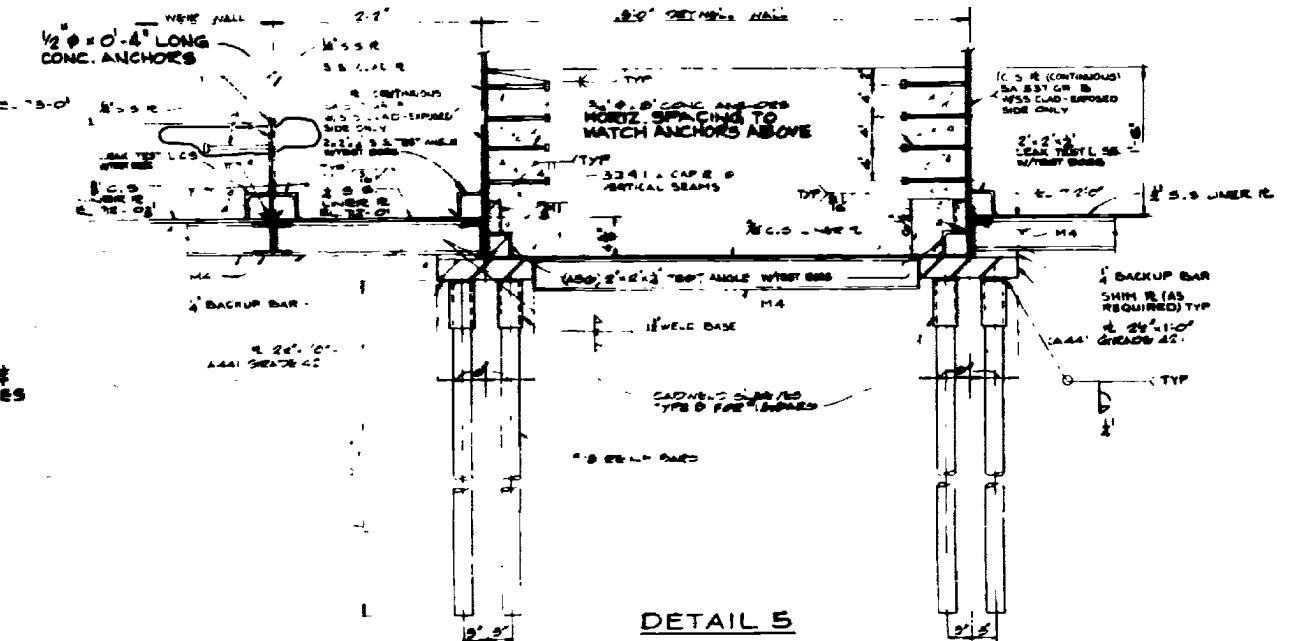
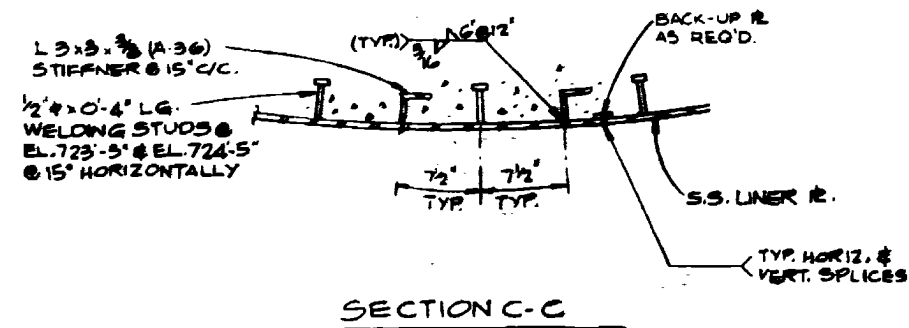
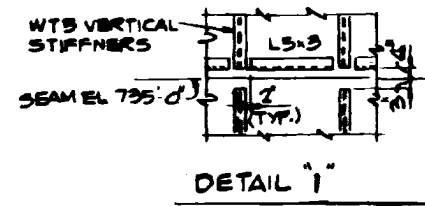
FIGURE 3.8-13

PERSONNEL AND EQUIPMENT HATCH
DETAILS
(SHEET 2 of 2)



CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-14
CONTAINMENT LINER DETAILS
(SHEET 1 of 2)



ARTIAL FLAN VIEW

SYMMETRICAL
ABOUT ϕ
7.6 BARS

SECTION A-A

7/16" BAR (TYP.)

DETAIL "1"

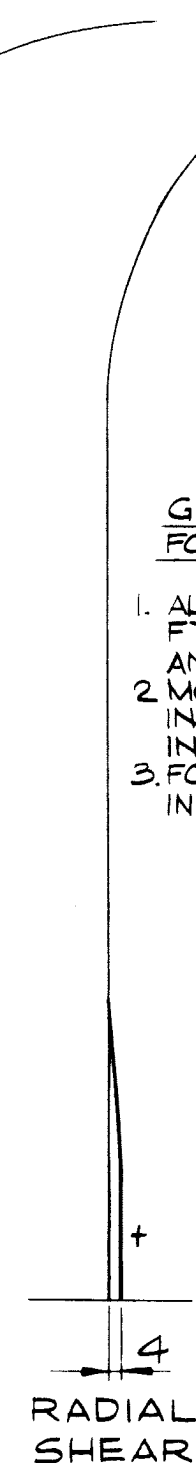
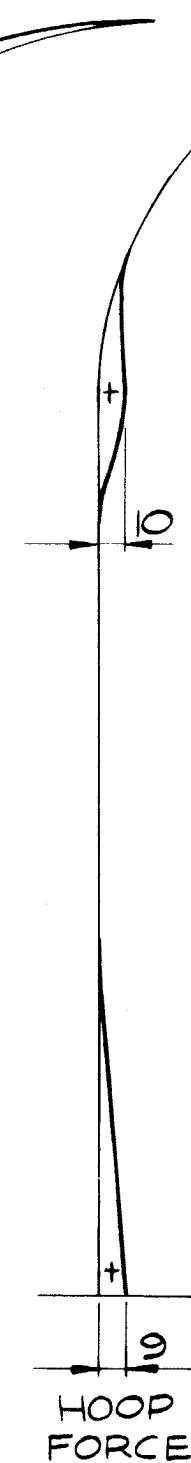
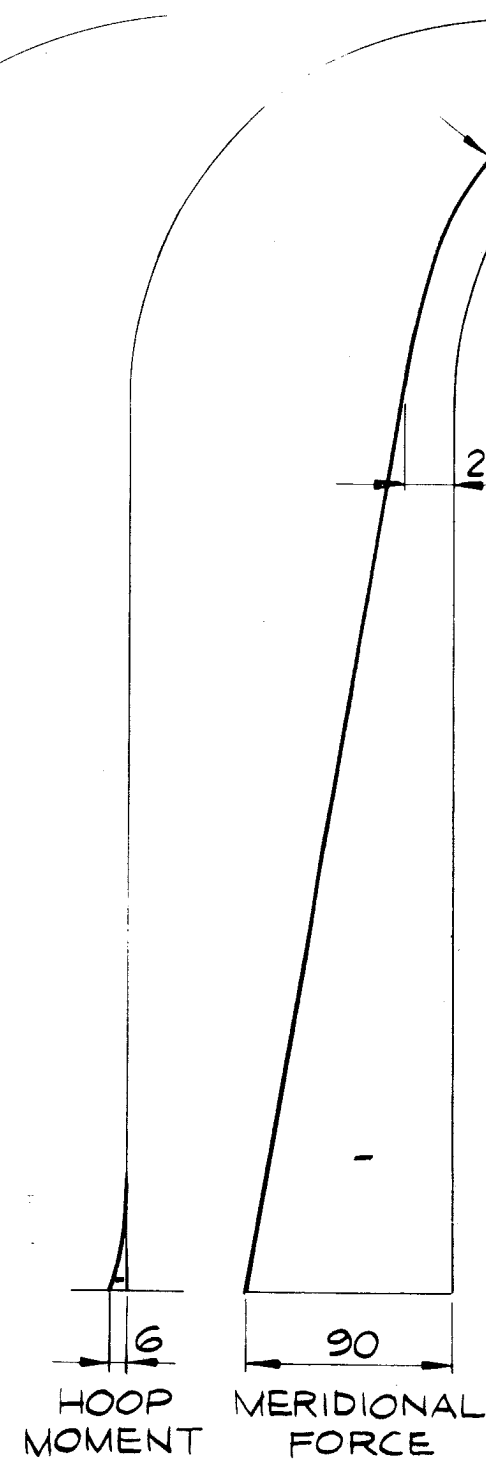
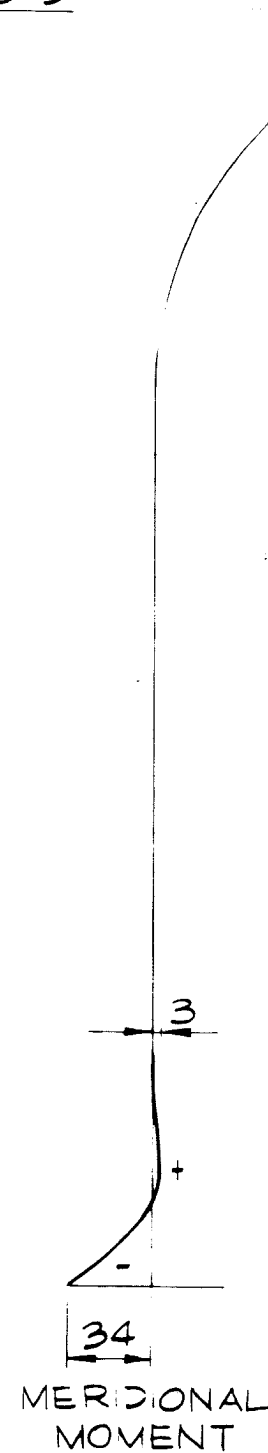
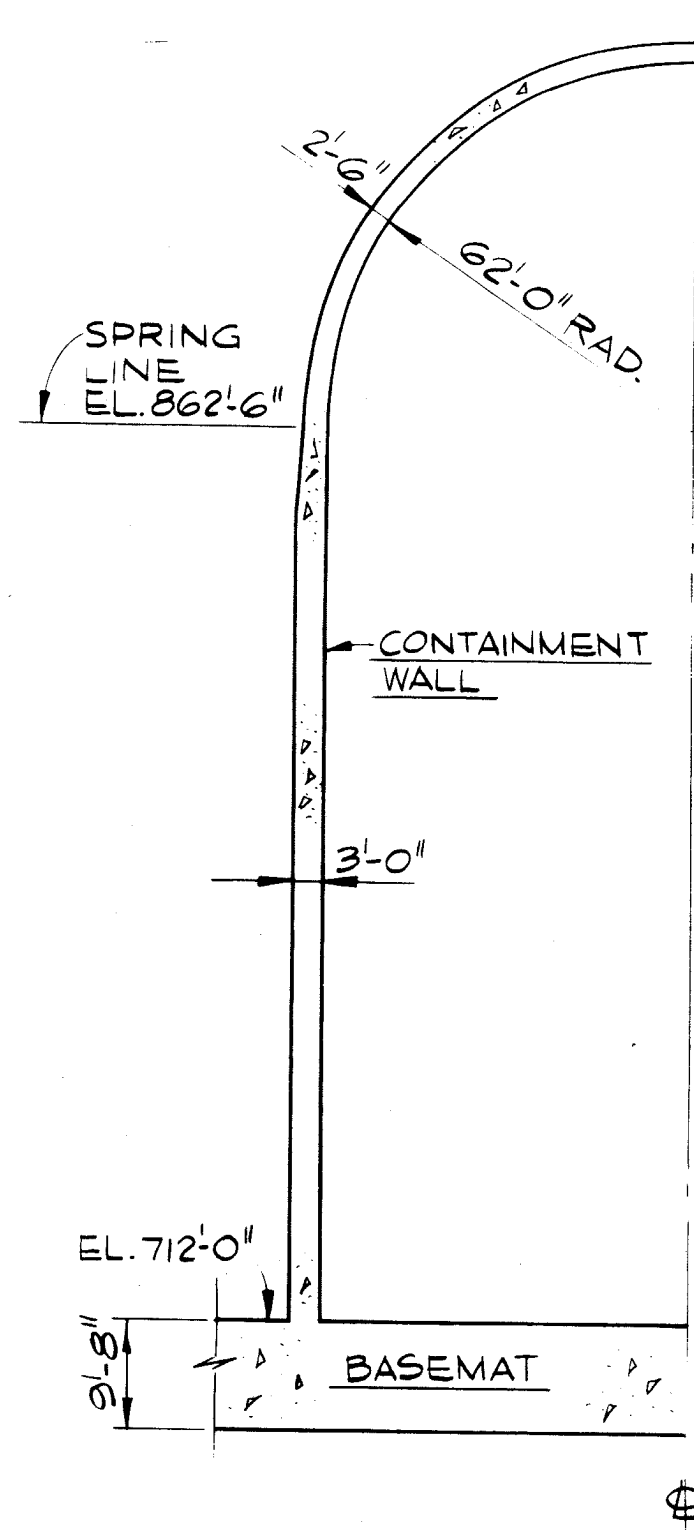
SPRING LINE
EL. 862'-6"

SECTION B-B

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-15

DOME LINER



GENERAL NOTES
FOR FORCE PLOTS

1. ALL MOMENTS ARE IN FT - K/FT AND FORCES IN K/FT
2. MOMENTS, IF POSITIVE, INDICATE TENSION ON THE INSIDE FACE.
3. FORCES, IF POSITIVE, INDICATE TENSION

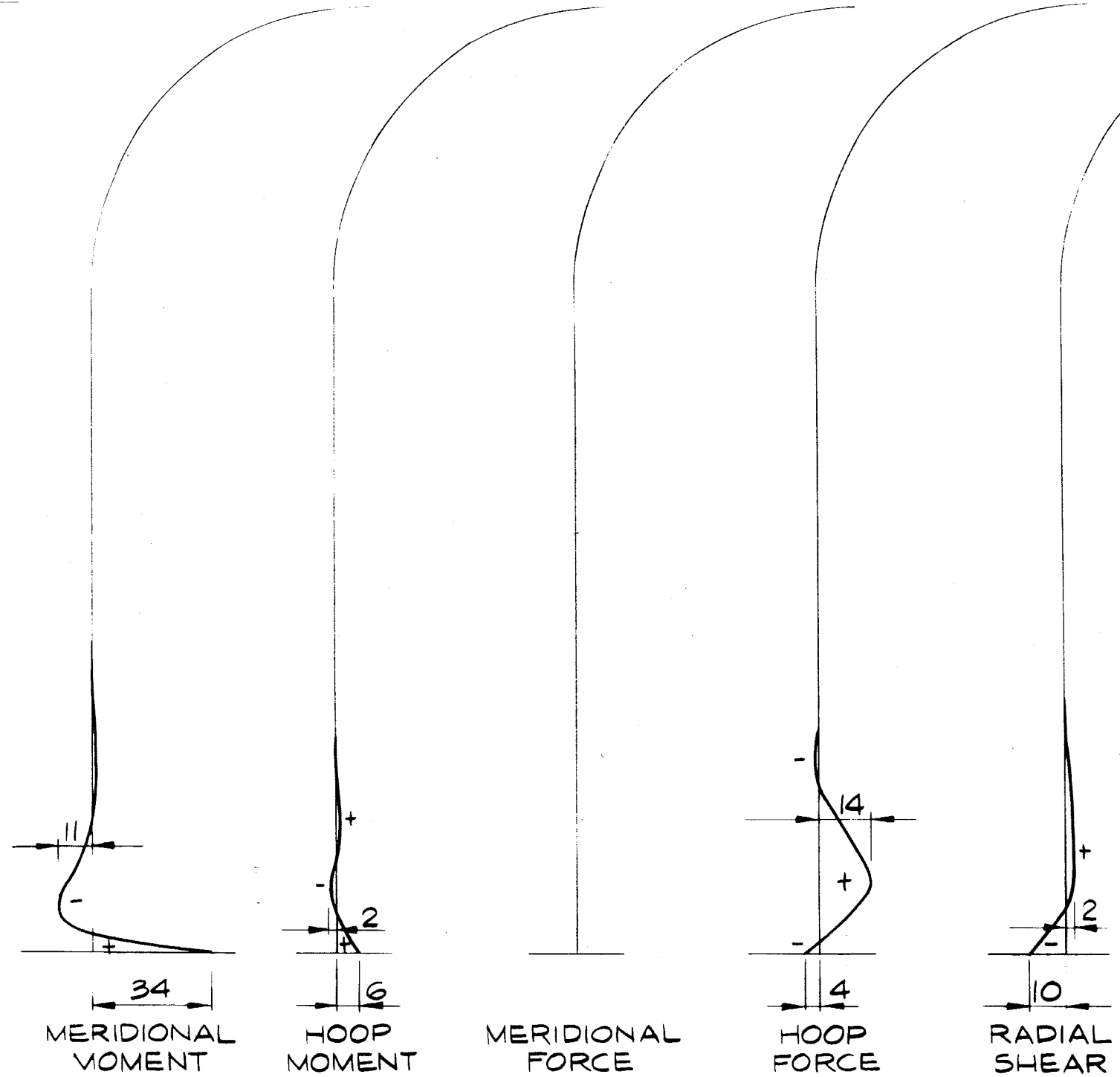
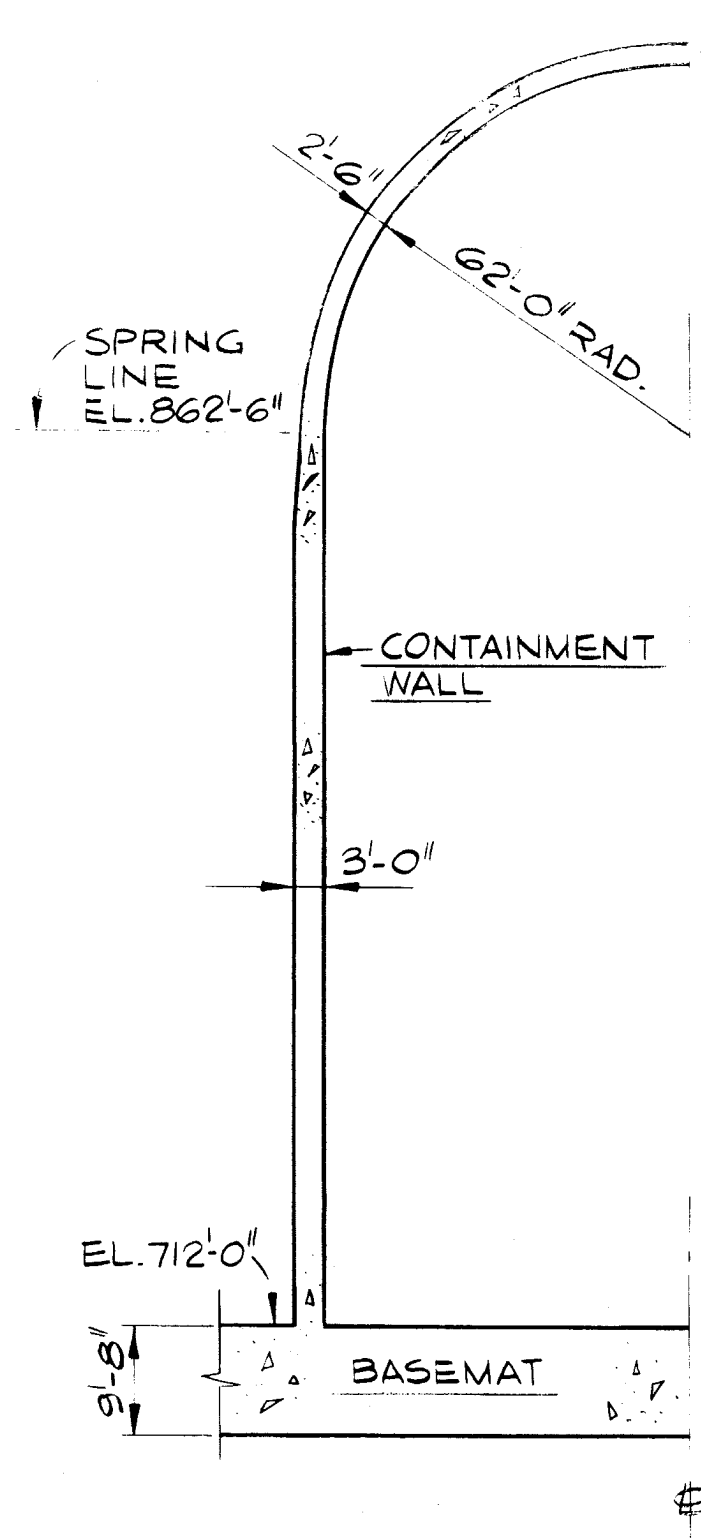
DEAD LOAD

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-17

FORCE PLOTS - CONTAINMENT WALL

(SHEET 1 of 4)



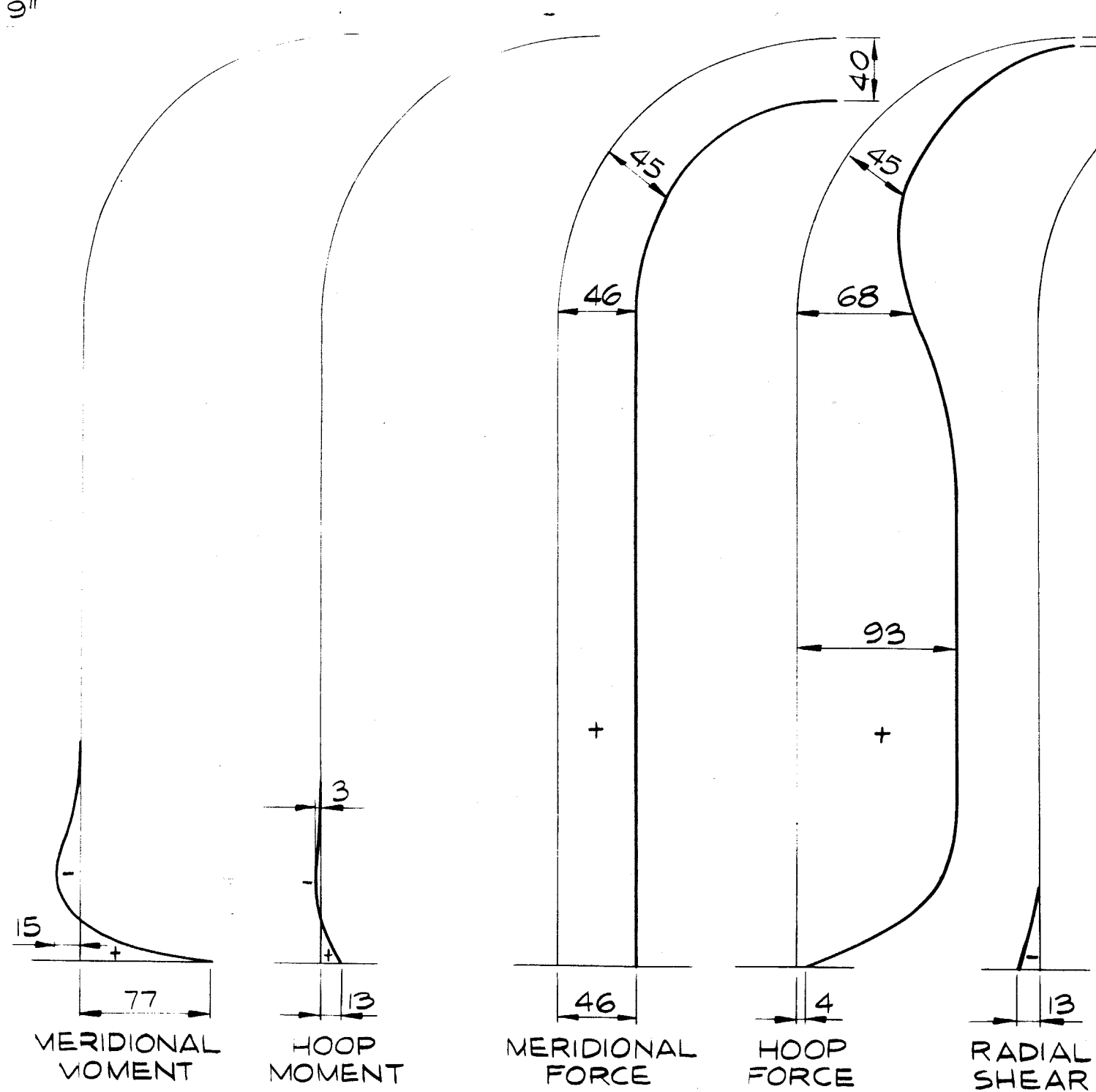
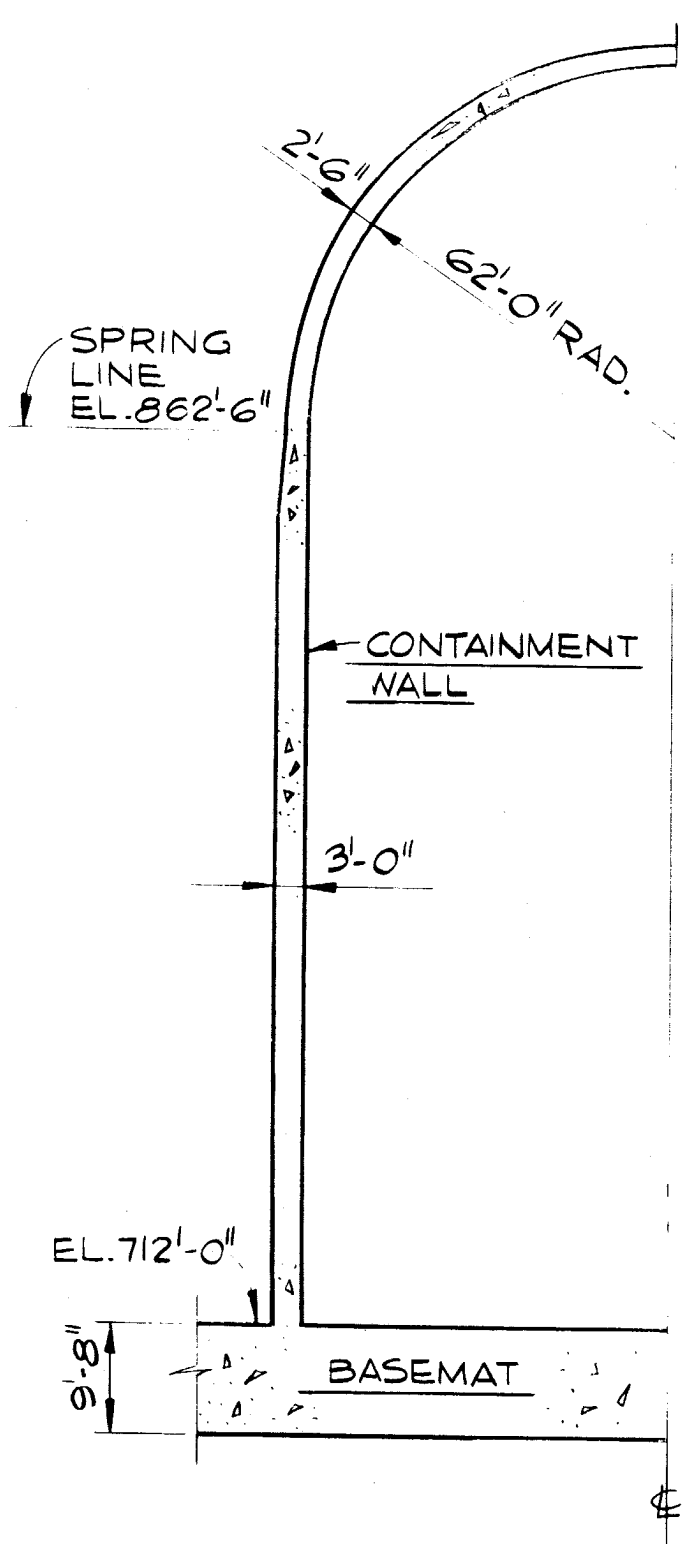
SUPPRESSION POOL WATER

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-17

FORCE PLOTS - CONTAINMENT WALL

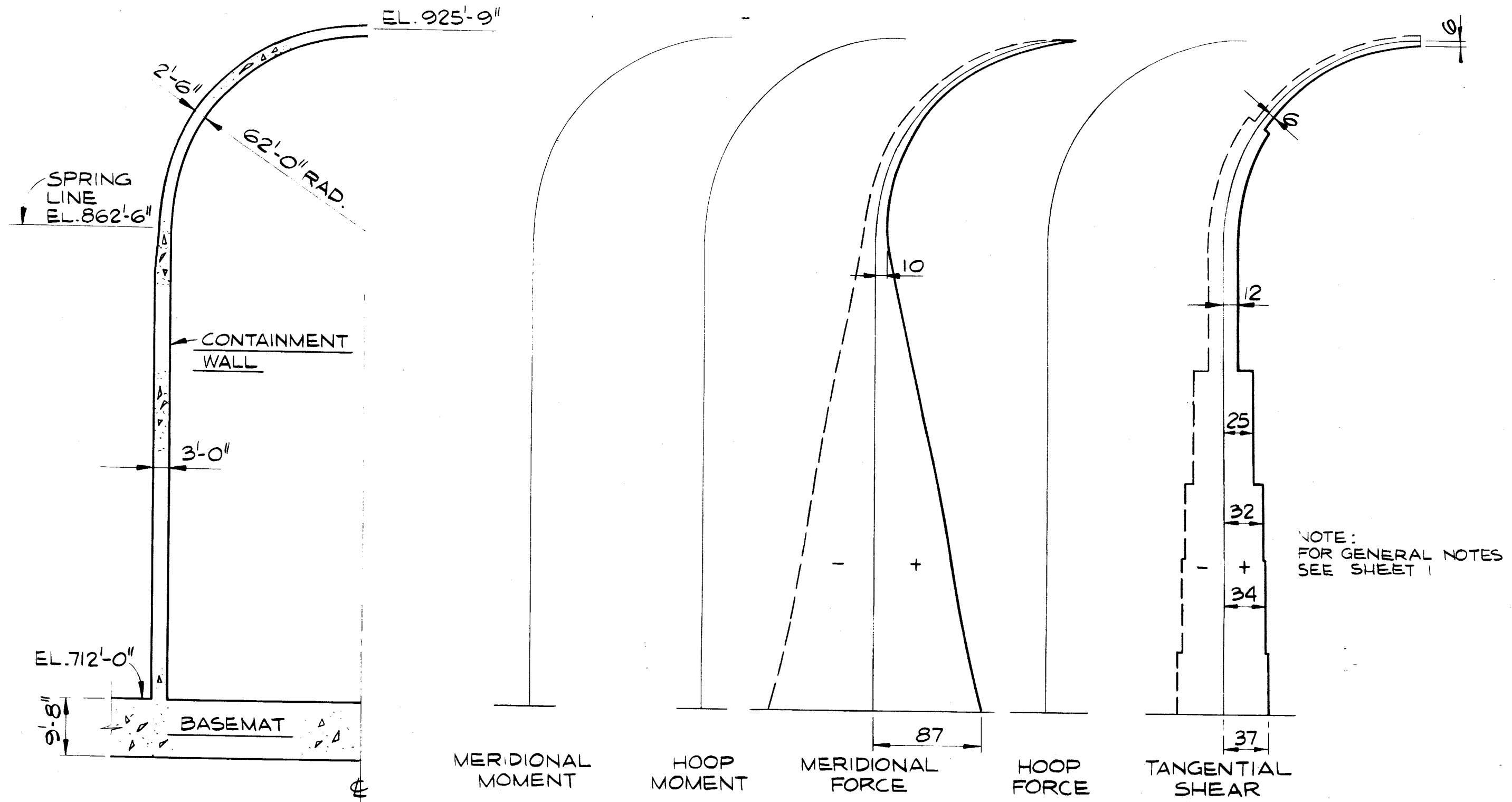
(SHEET 2 of 4)



NOTE:
FOR GENERAL NOTES
SEE SHEET 1

ACCIDENT PRESSURE

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



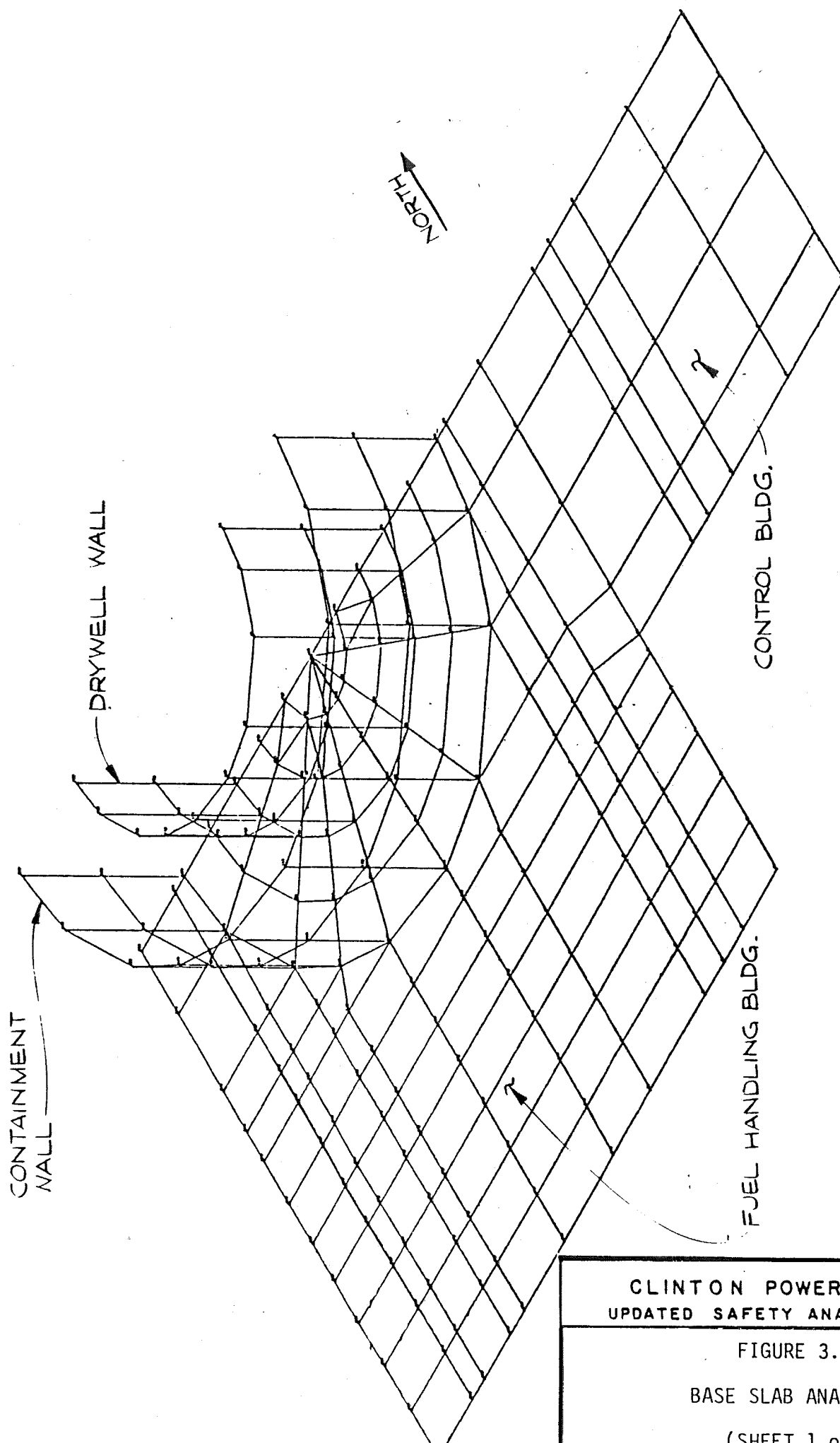
SAFE SHUTDOWN EARTHQUAKE

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-17

FORCE PLOTS - CONTAINMENT WALL

(SHEET 4 of 4)

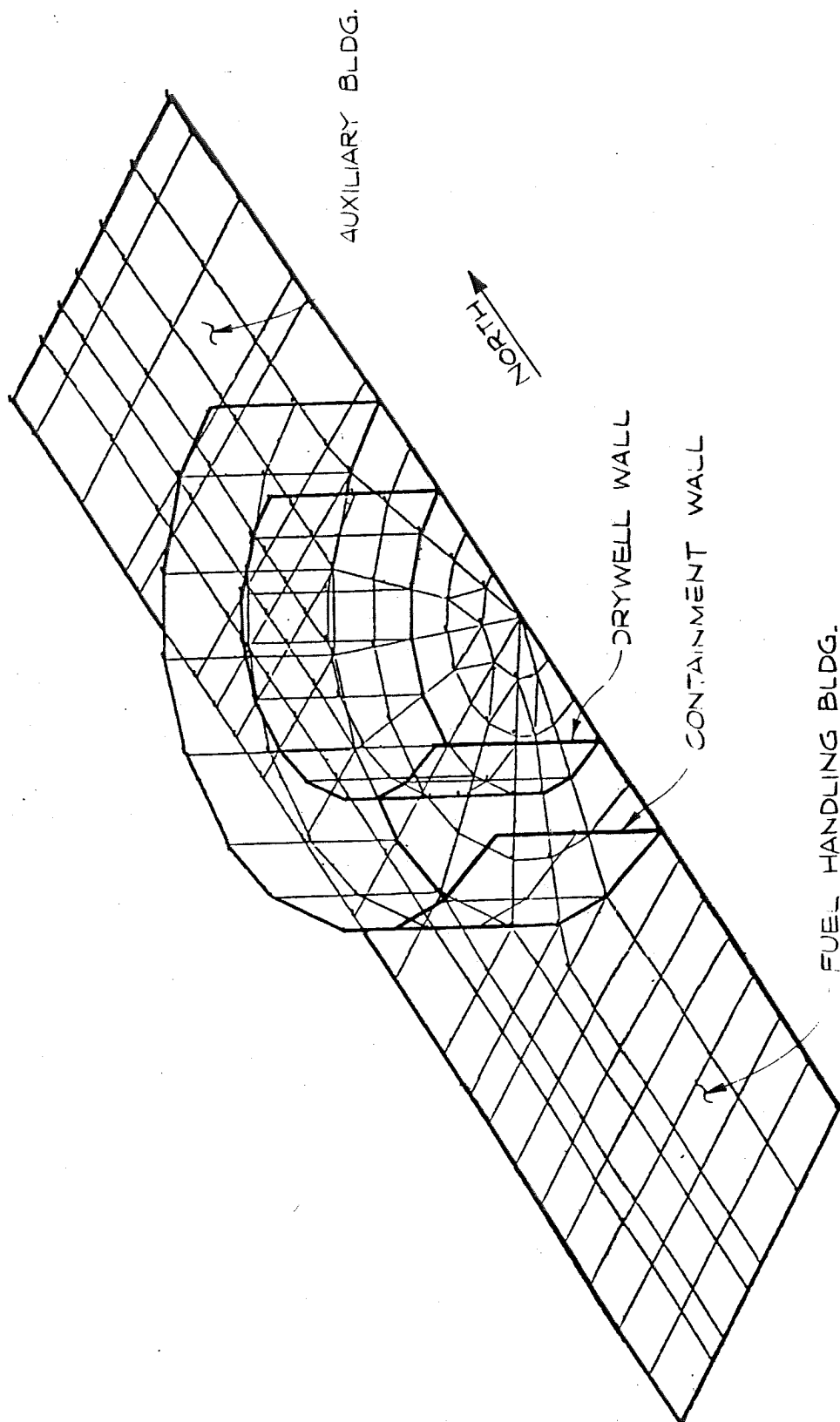


CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-18

BASE SLAB ANALYTICAL

(SHEET 1 of 2)

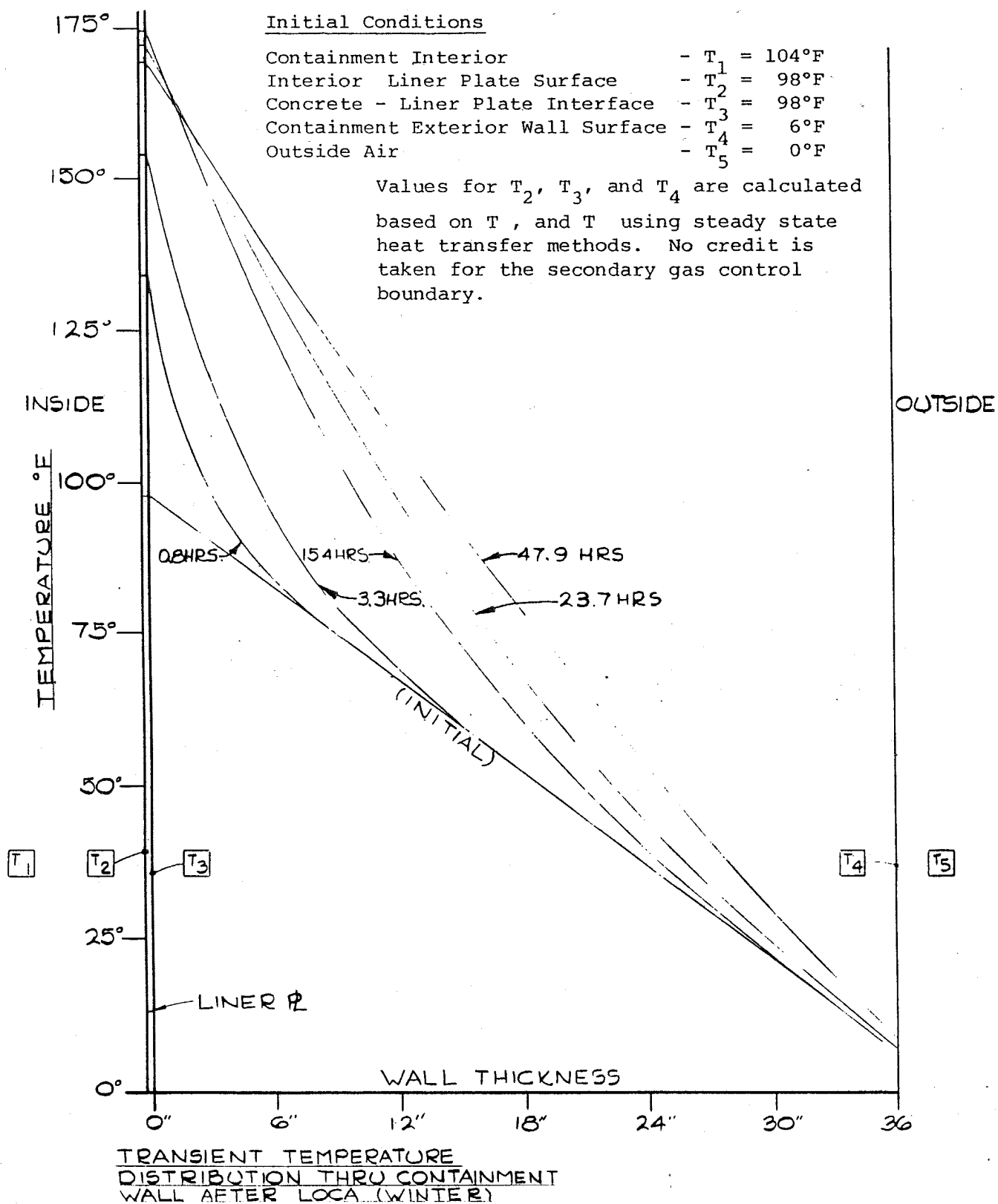


CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-18

BASE SLAB ANALYTICAL

(SHEET 2 of 2)

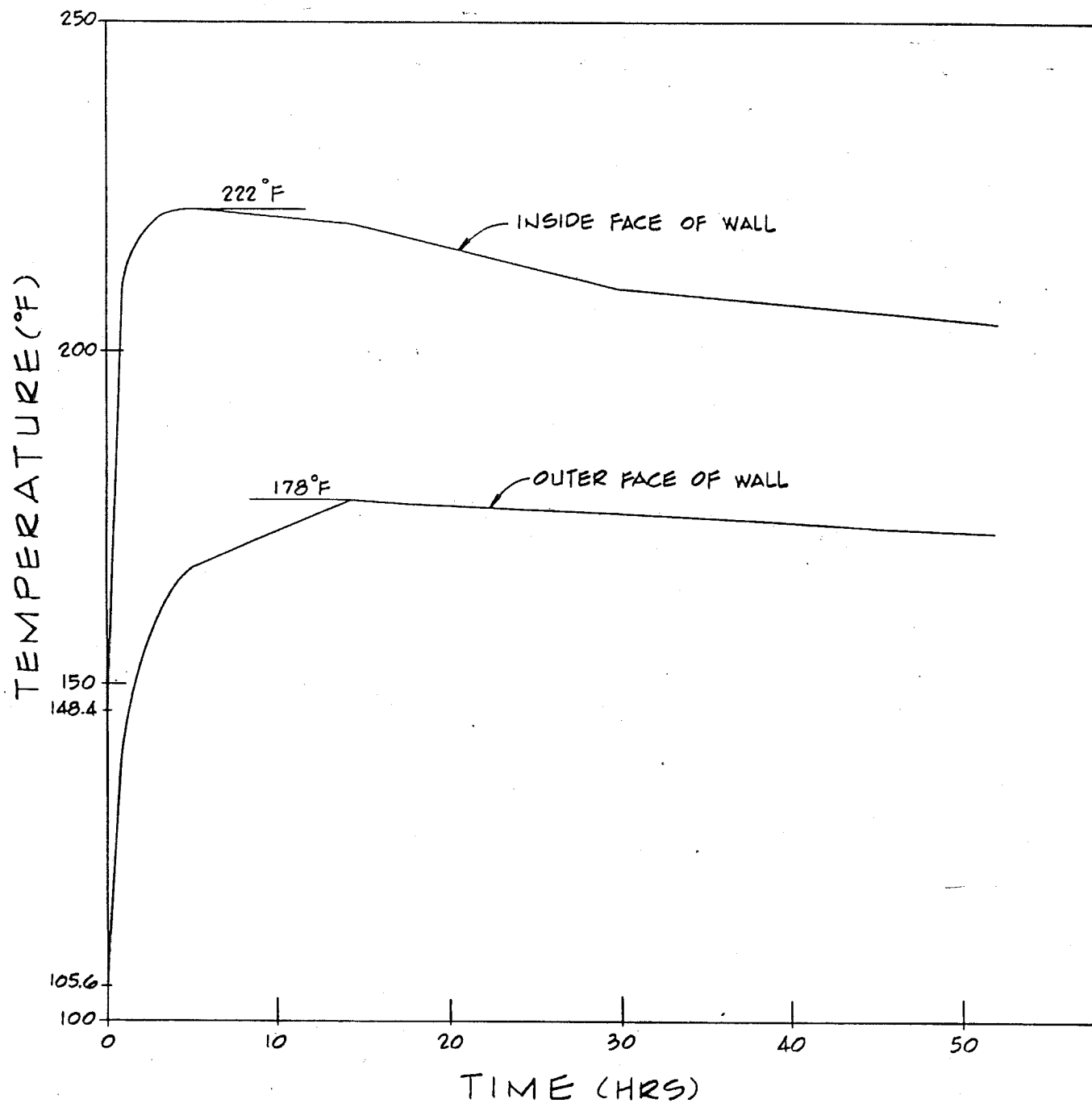


CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-19

THERMAL GRADIENTS

(SHEET 1 of 3)

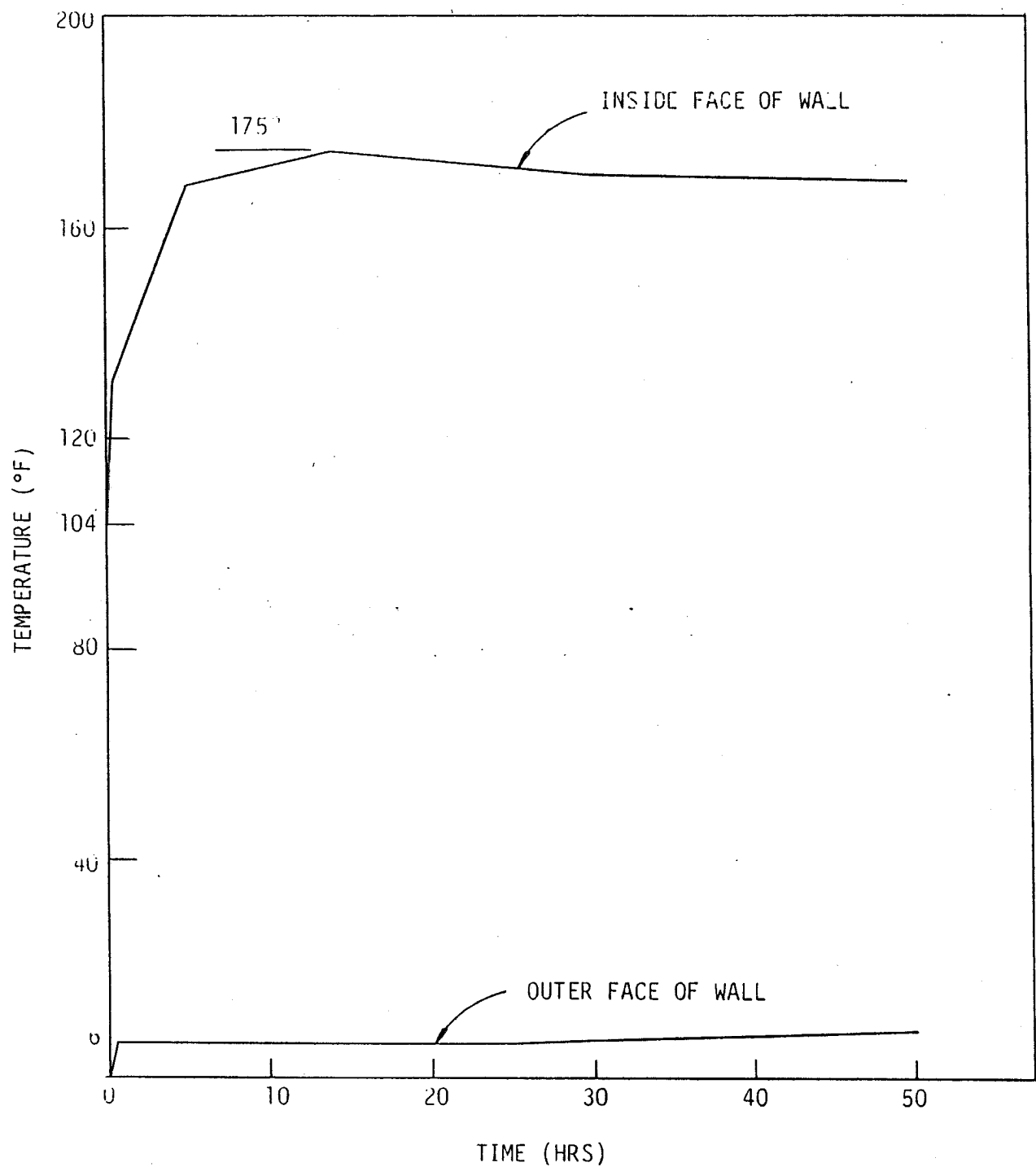


CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-19

THERMAL GRADIENTS

(SHEET 2 of 3)

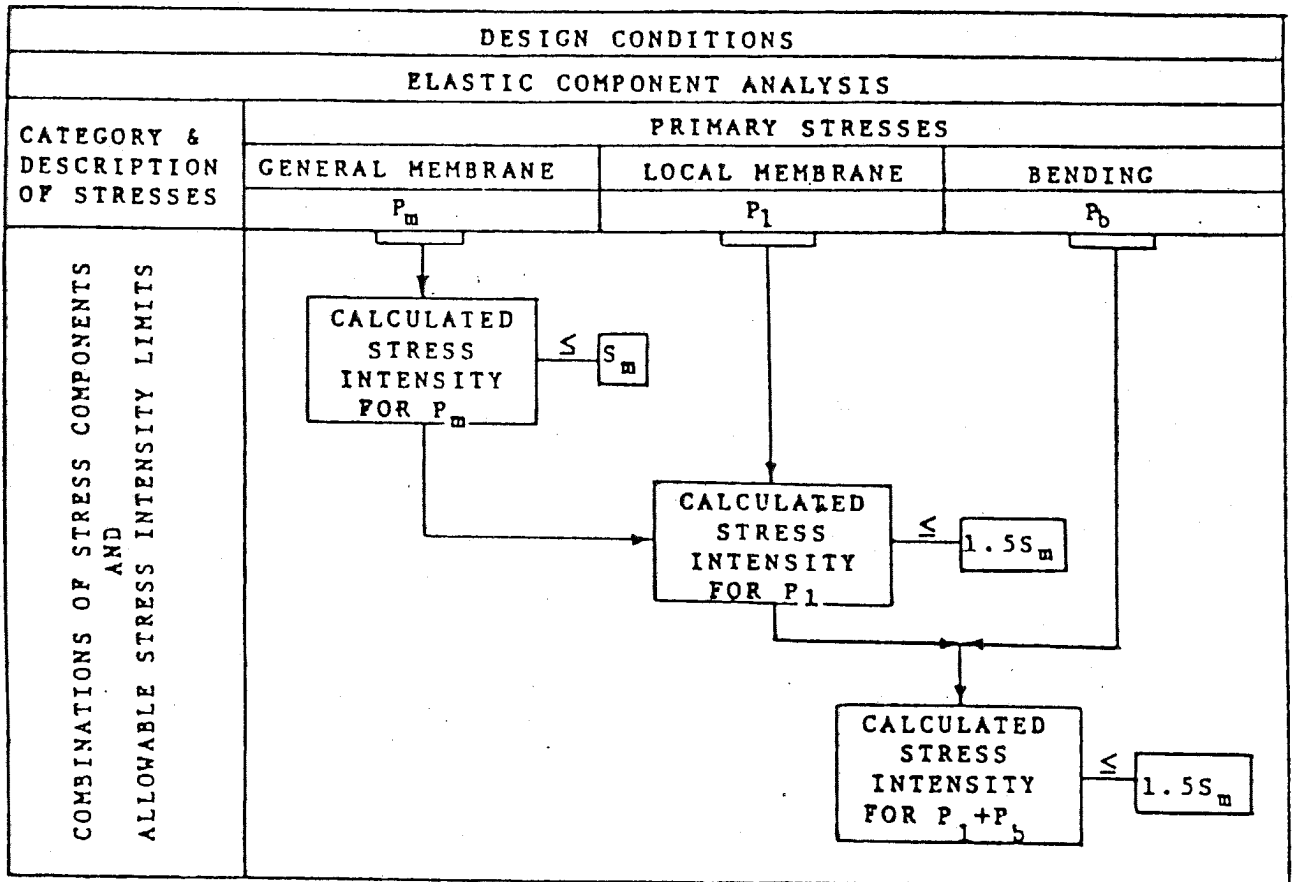


CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-19

THERMAL GRADIENTS

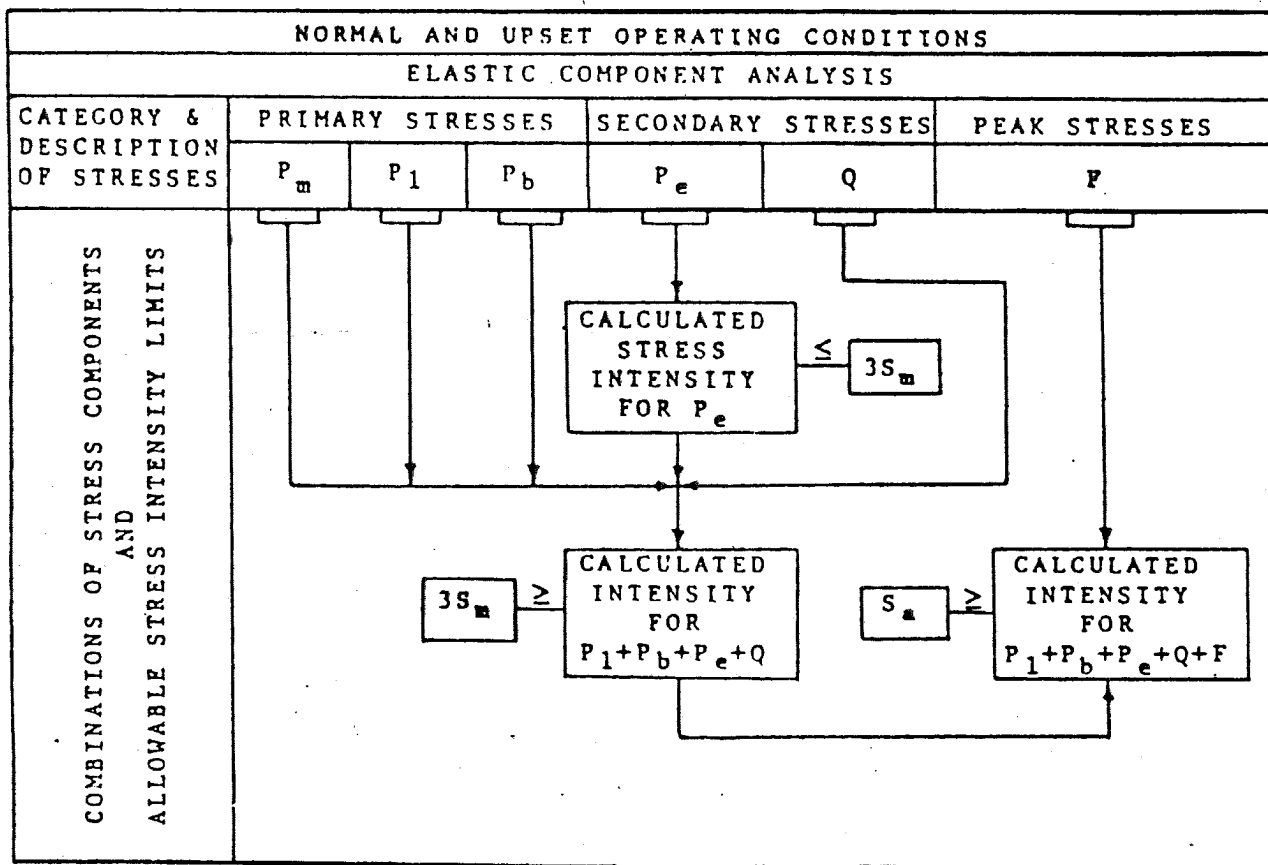
(SHEET 3 of 3)



CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-20

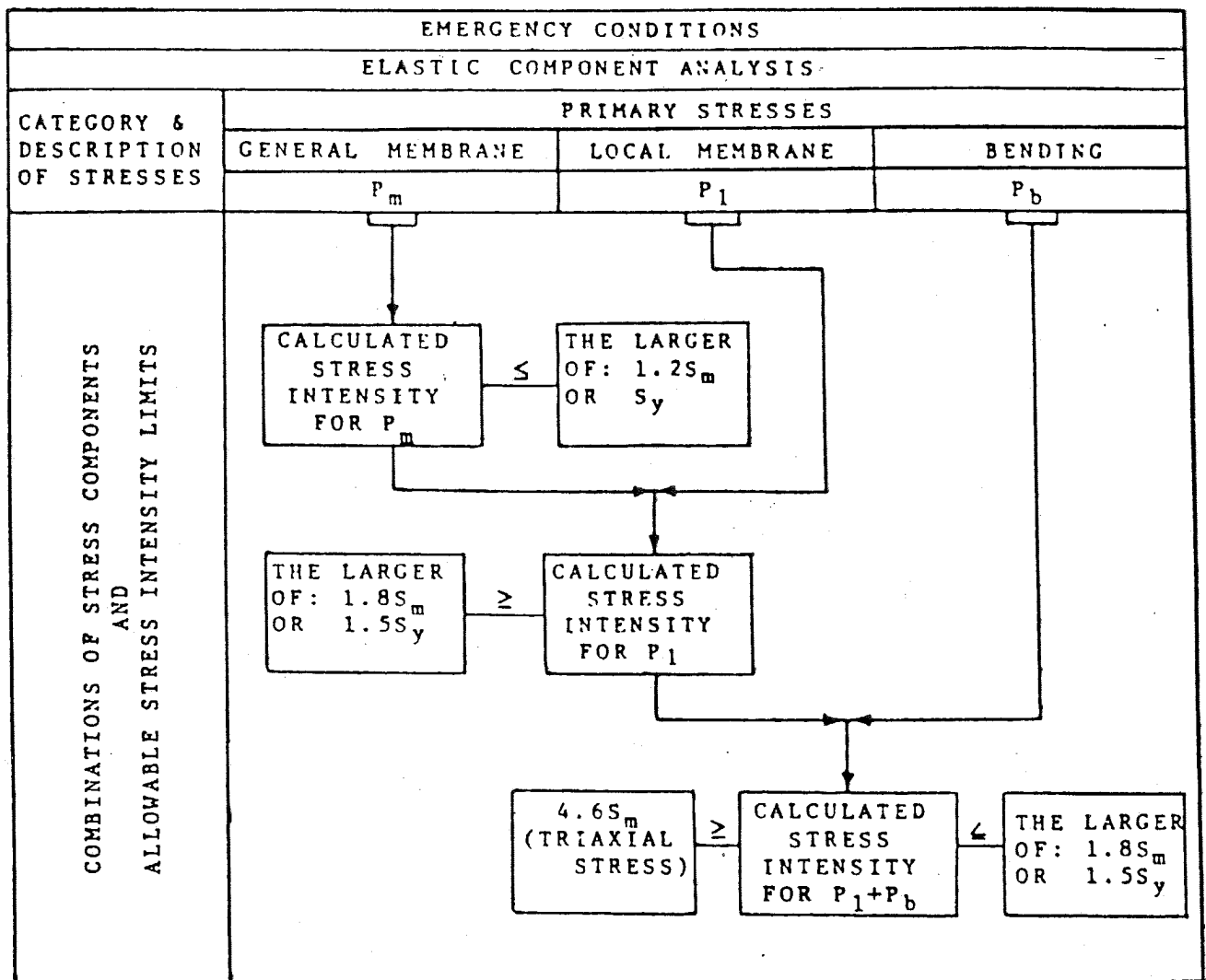
STRESS CATEGORIES AND STRESS INTENSITY
LIMITS FOR DESIGN CONDITIONS



CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-21

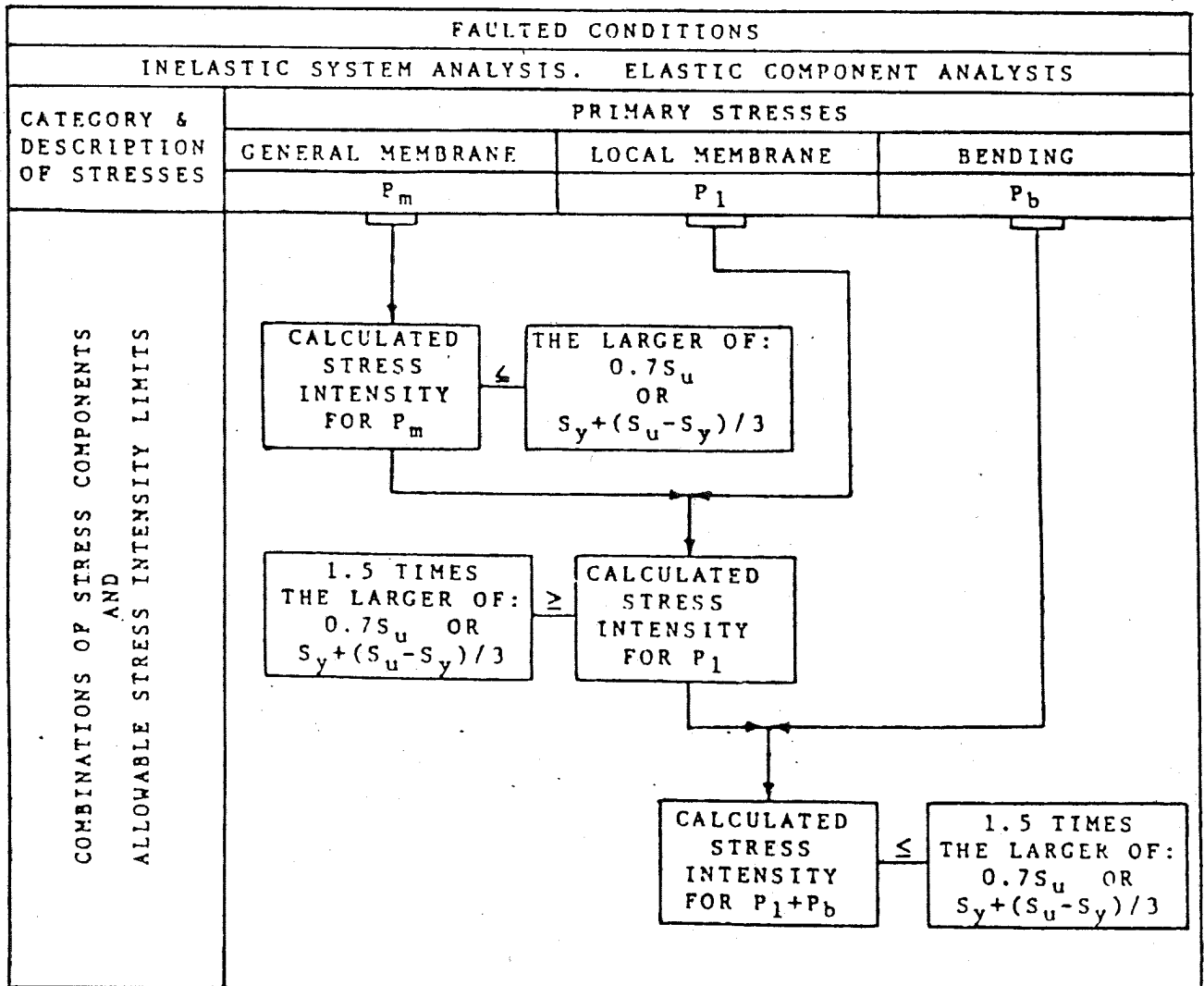
STRESS CATEGORIES AND STRESS INTENSITY
LIMITS FOR NORMAL AND UPSET CONDITIONS



CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

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

Figure 3.8-24
Deleted

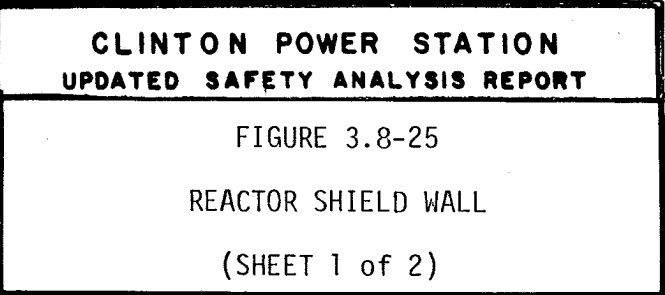
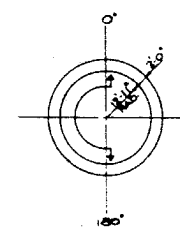
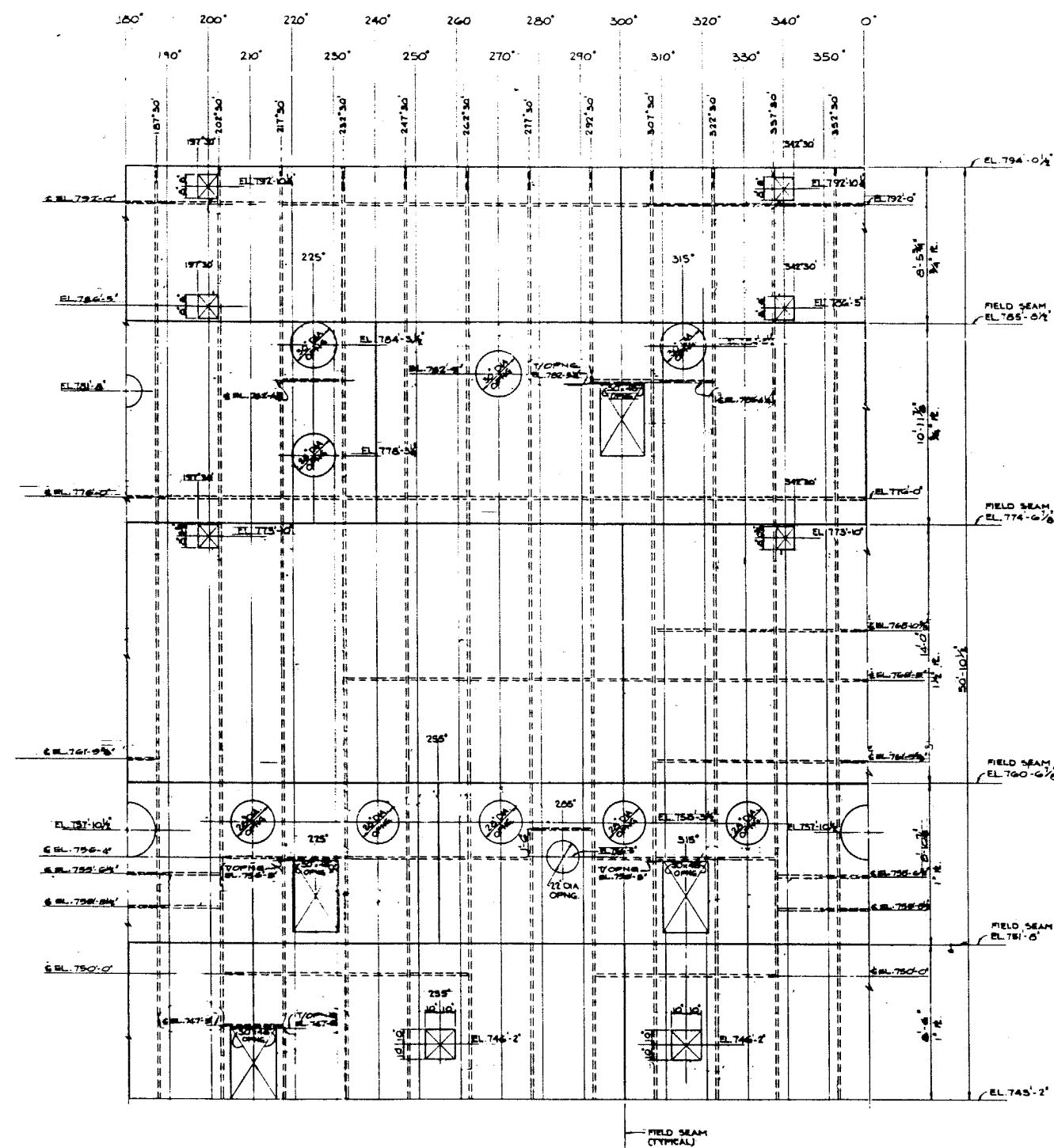


FIGURE 3.8-25
REACTOR SHIELD WALL
(SHEET 1 of 2)

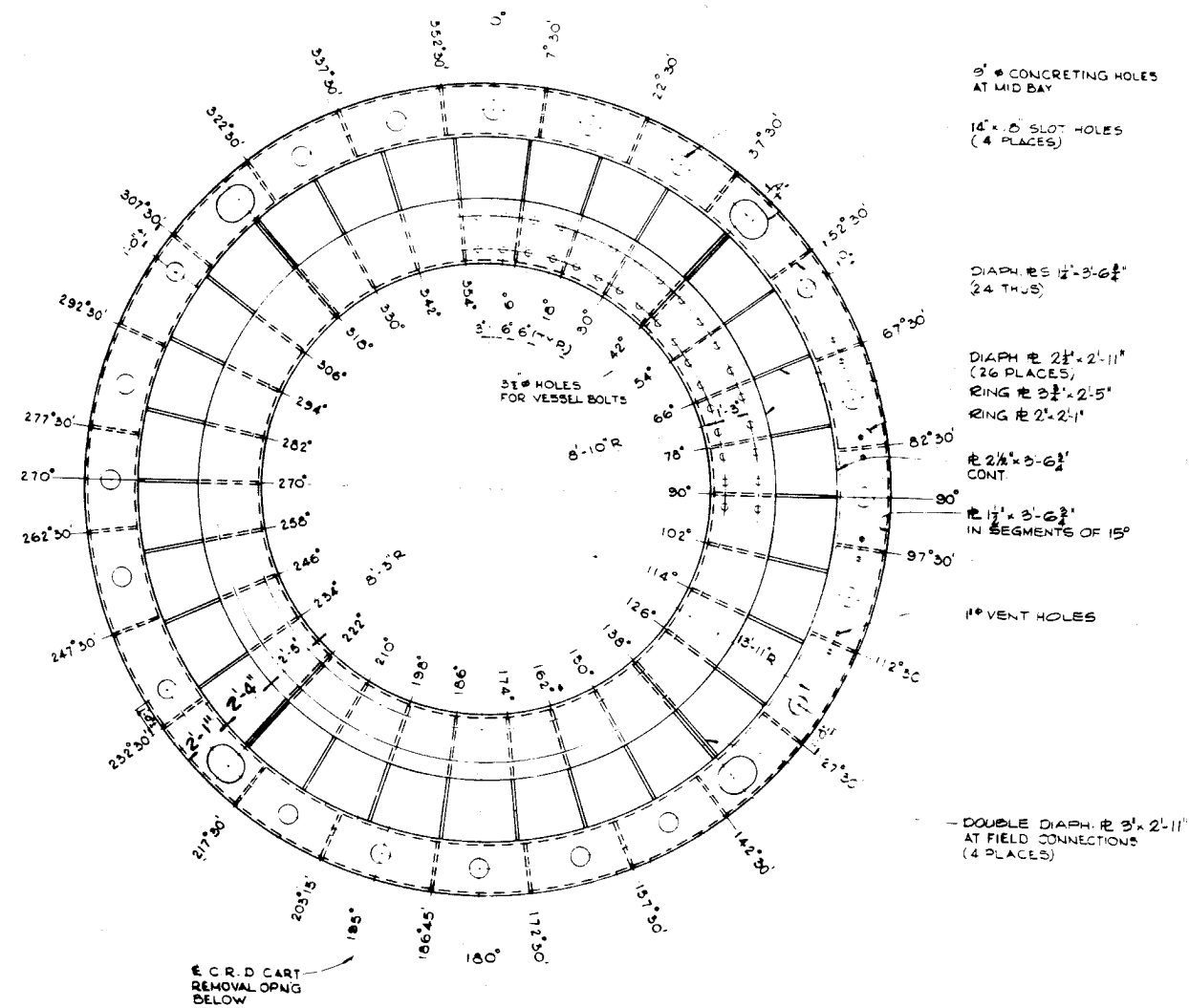


CLINTON POWER STATION
 UPDATED SAFETY ANALYSIS REPORT

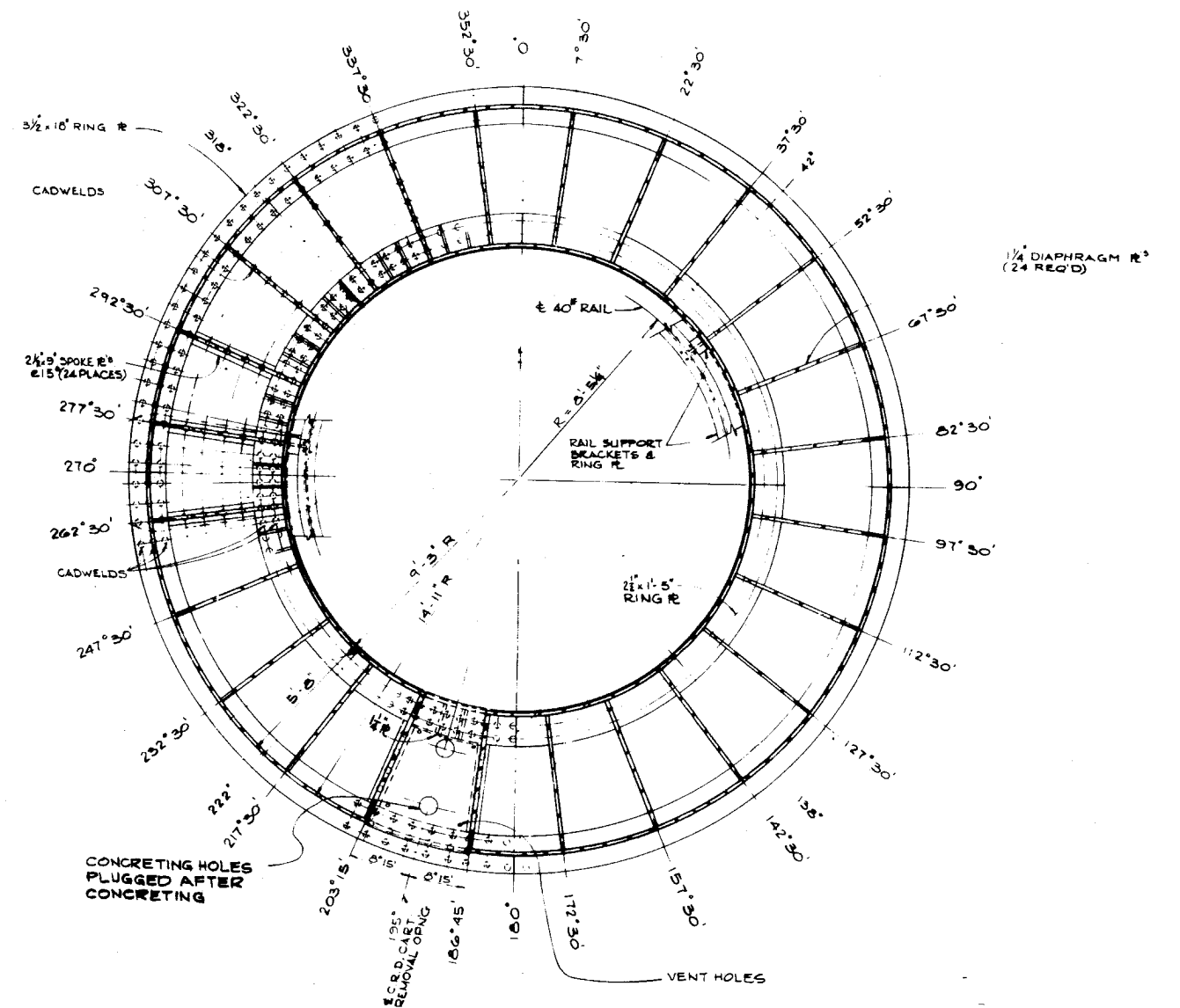
FIGURE 3.8-25

REACTOR SHIELD WALL

(SHEET 2 of 2)



PLAN AT TOP OF PEDESTAL



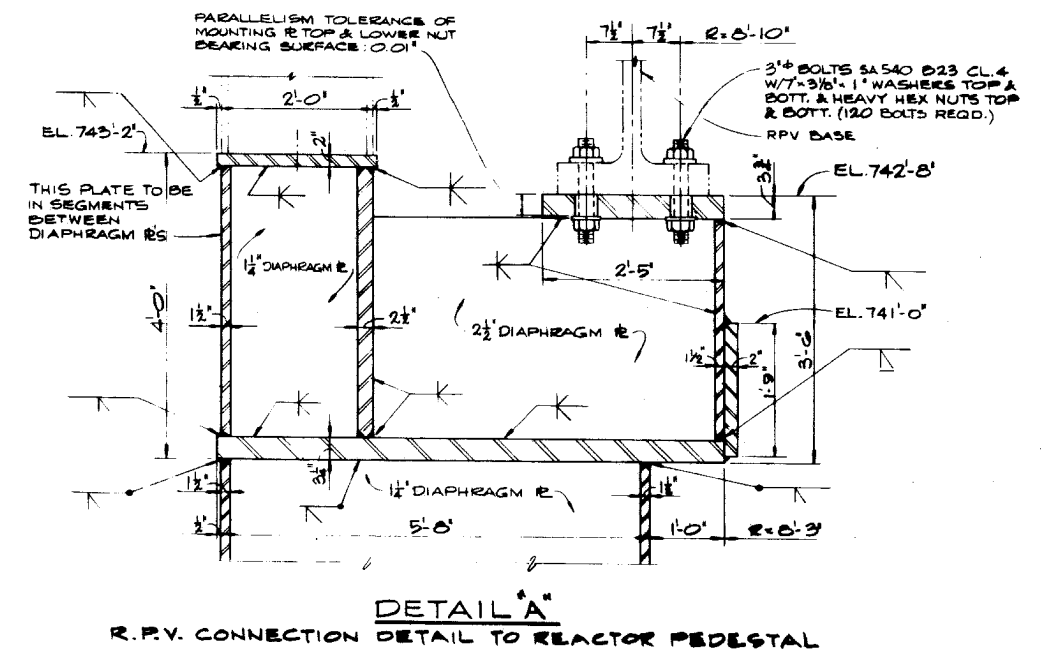
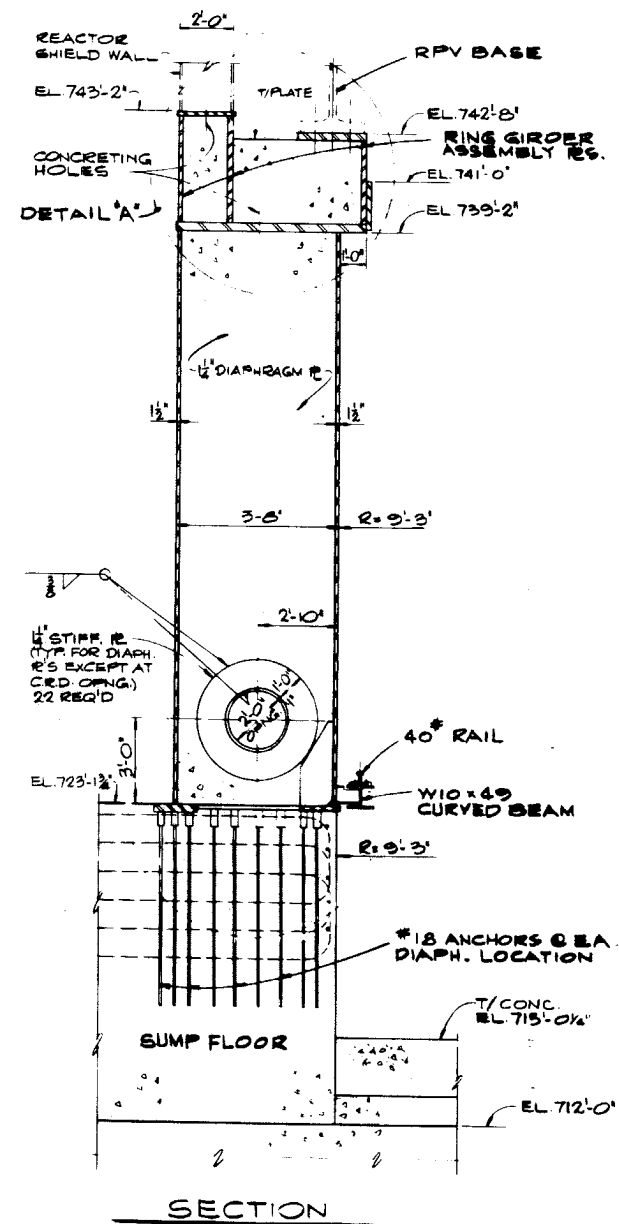
PLAN AT BOTTOM OF PEDESTAL

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-26

REACTOR PEDESTAL DETAILS

(SHEET 1 of 2)

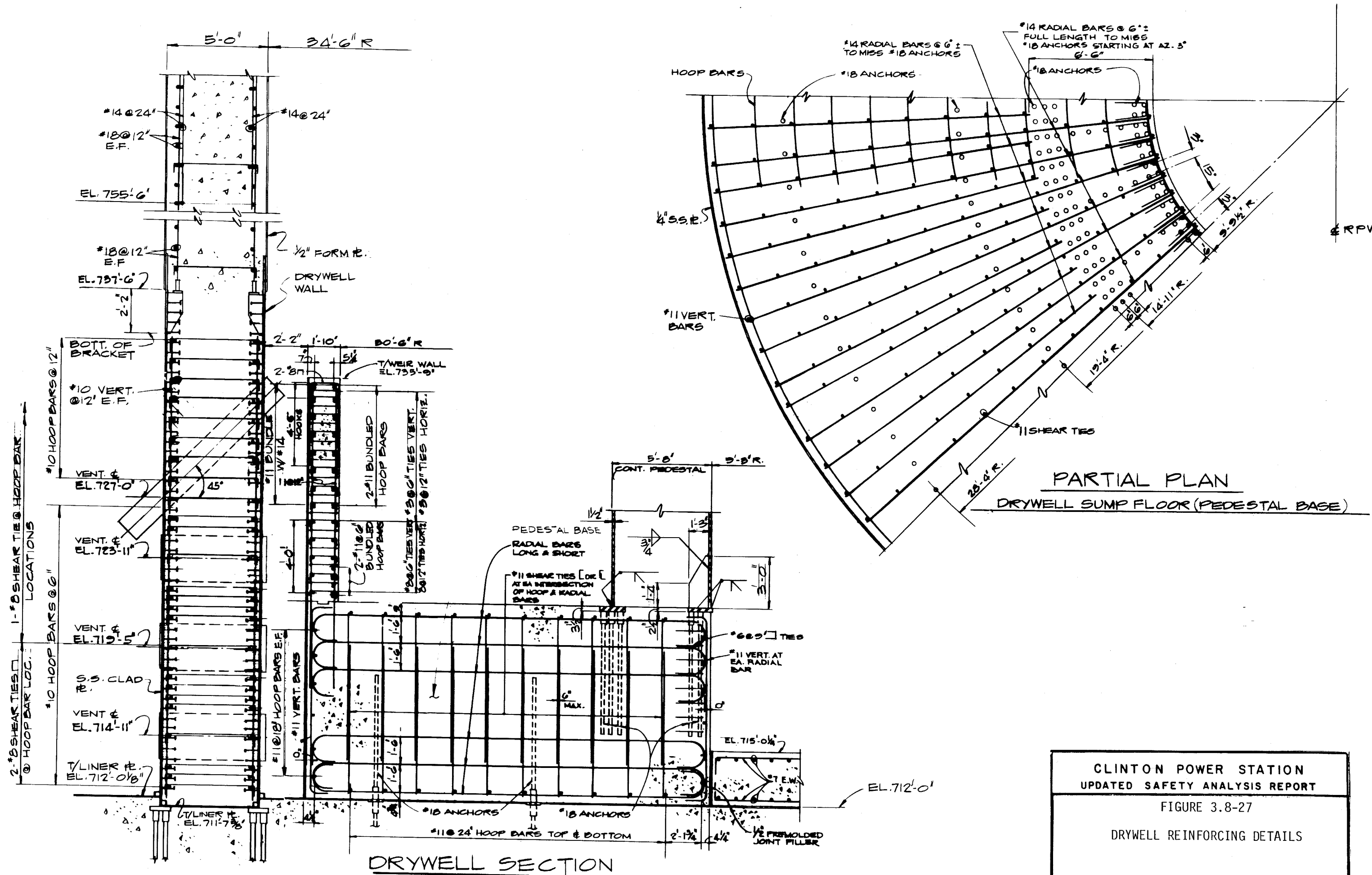


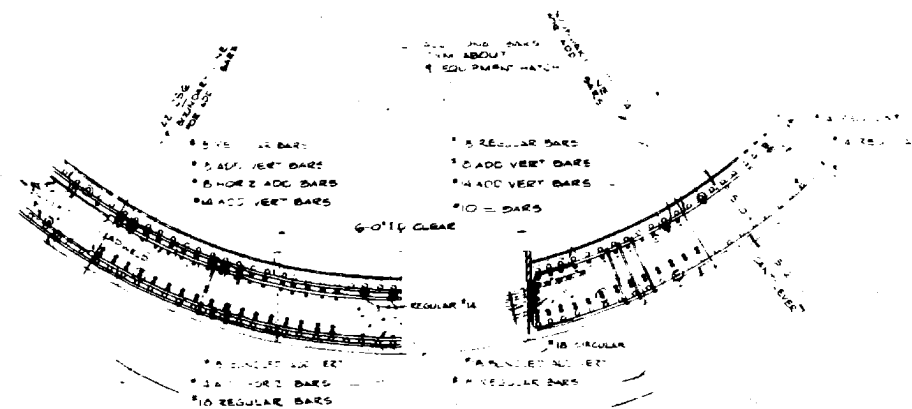
CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-26

REACTOR PEDESTAL DETAILS

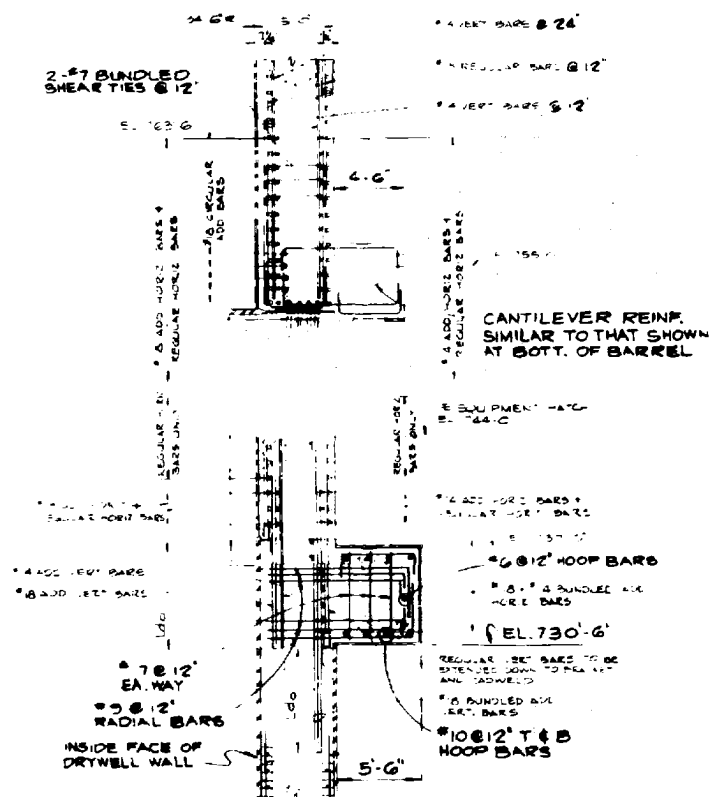
(SHEET 2 of 2)





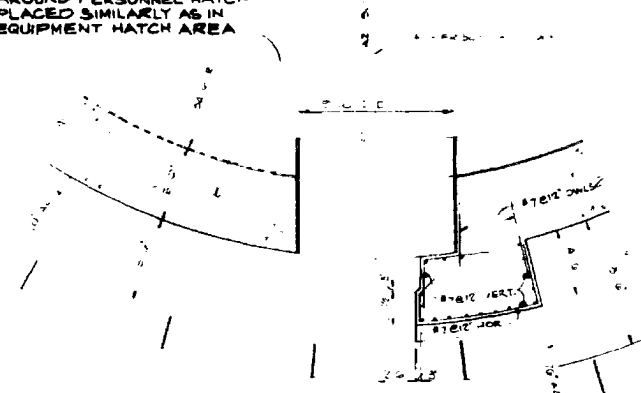
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DRYWELL WALL EQUIPMENT HATCH HORIZ. SECTION
ADDITIONAL BARS ARE SHOWN IN DARK DOTS

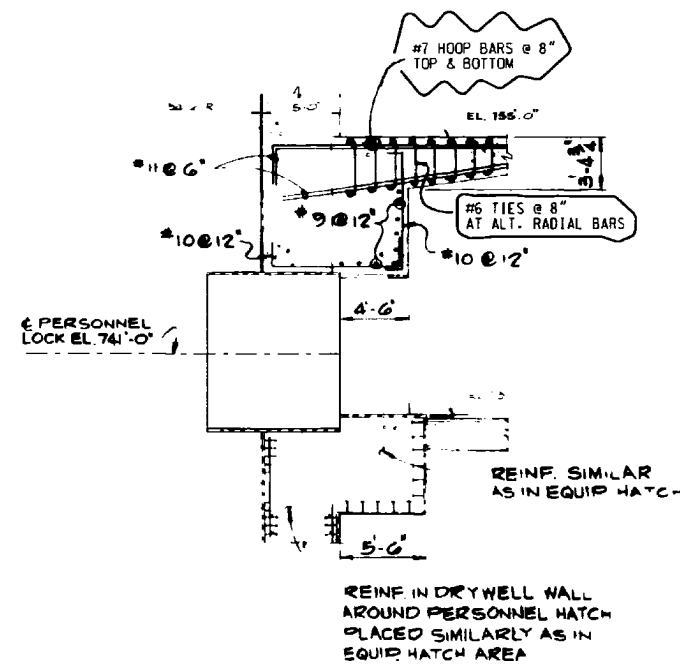


DRYWELL WALL EQUIPMENT HATCH VERT. SECTION
ADDITIONAL BARS ARE SHOWN IN DARK DOTS

REINF. IN DRYWELL WALL
AROUND PERSONNEL HATCH
PLACED SIMILARLY AS IN
EQUIPMENT HATCH AREA



DRYWELL WALL PERSONNEL LOCK HORIZ. SECT

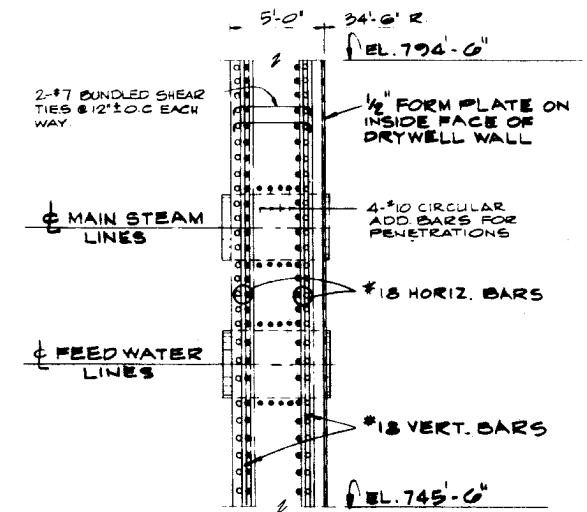
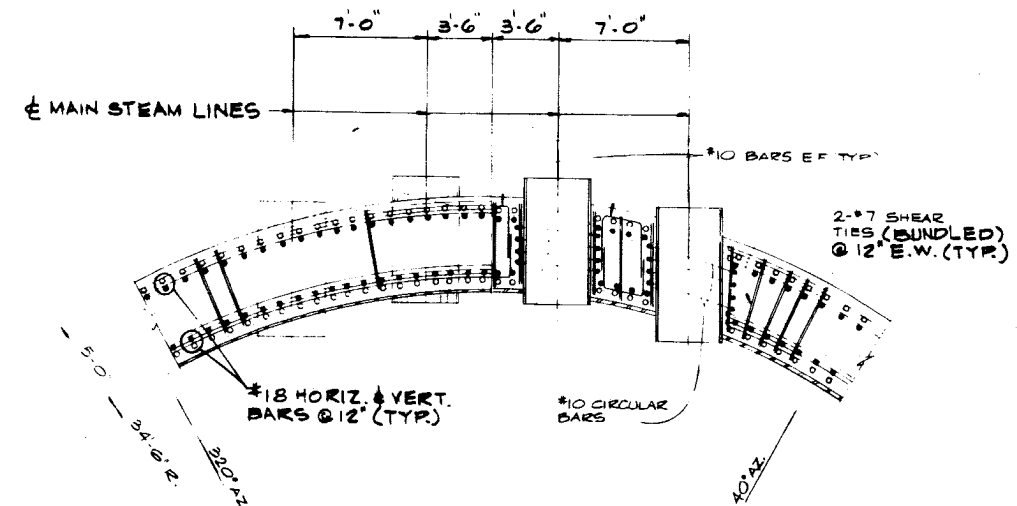


DRYWELL WALL PERSONNEL LOCK VERT. SECTION

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-28

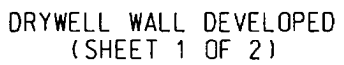
PERSONNEL & EQUIPMENT HATCHES
REINFORCING DETAILS - DRYWELL WALL

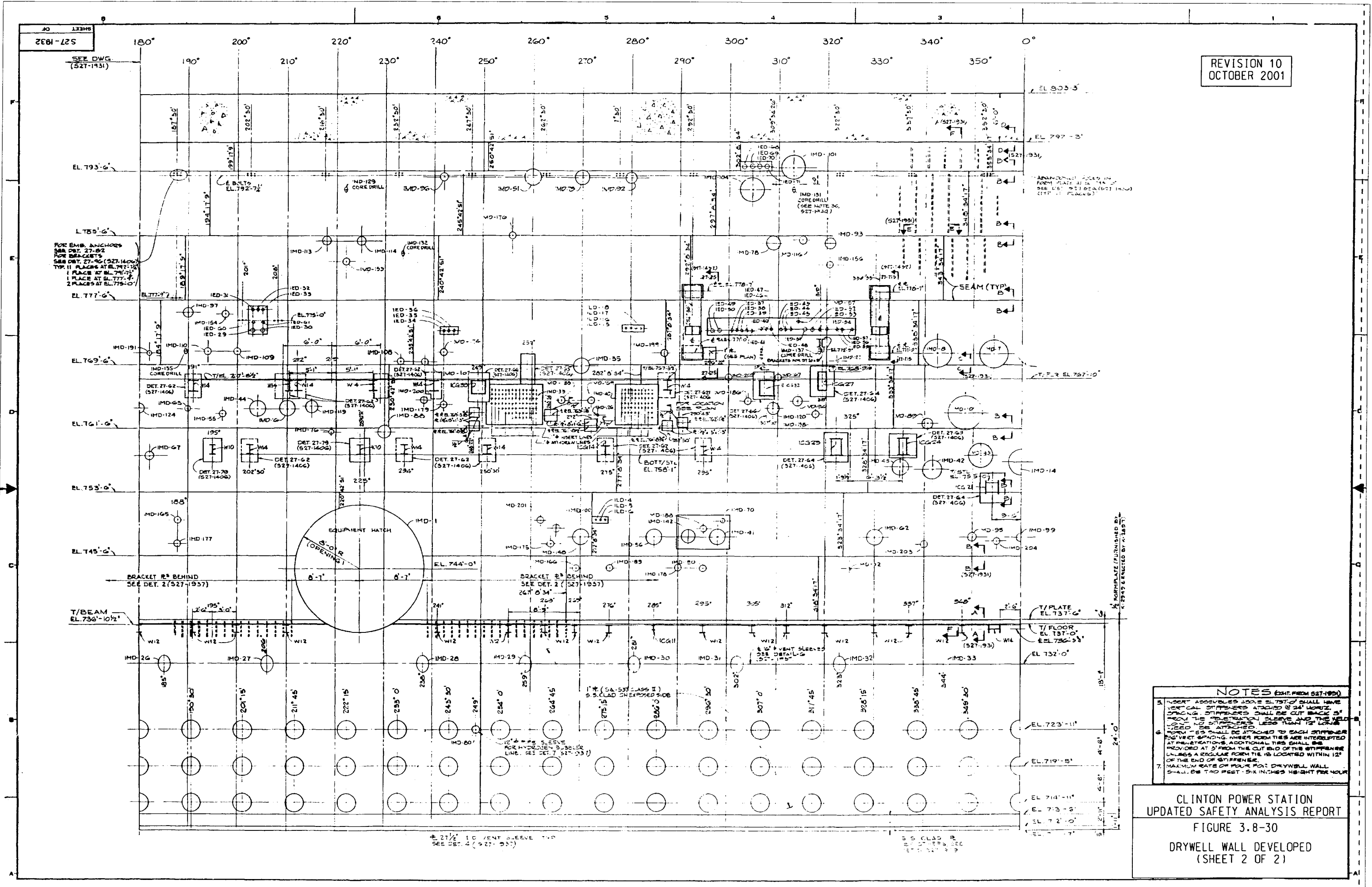


CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-29

MAIN STEAMLINE REINFORCING -
DRYWELL WALL





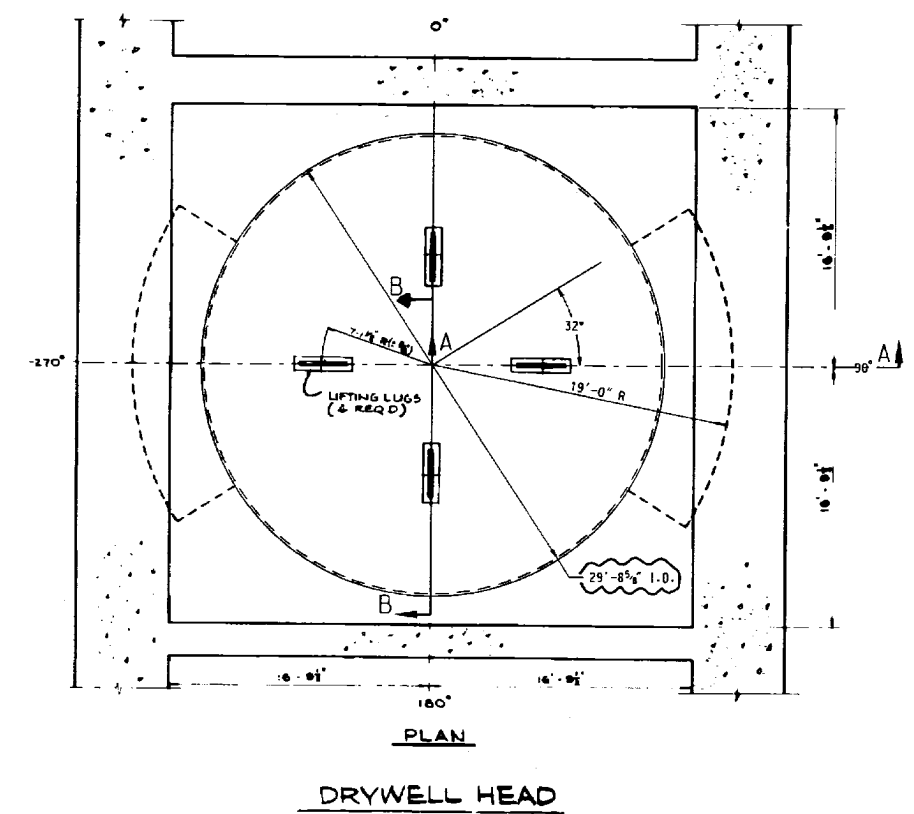
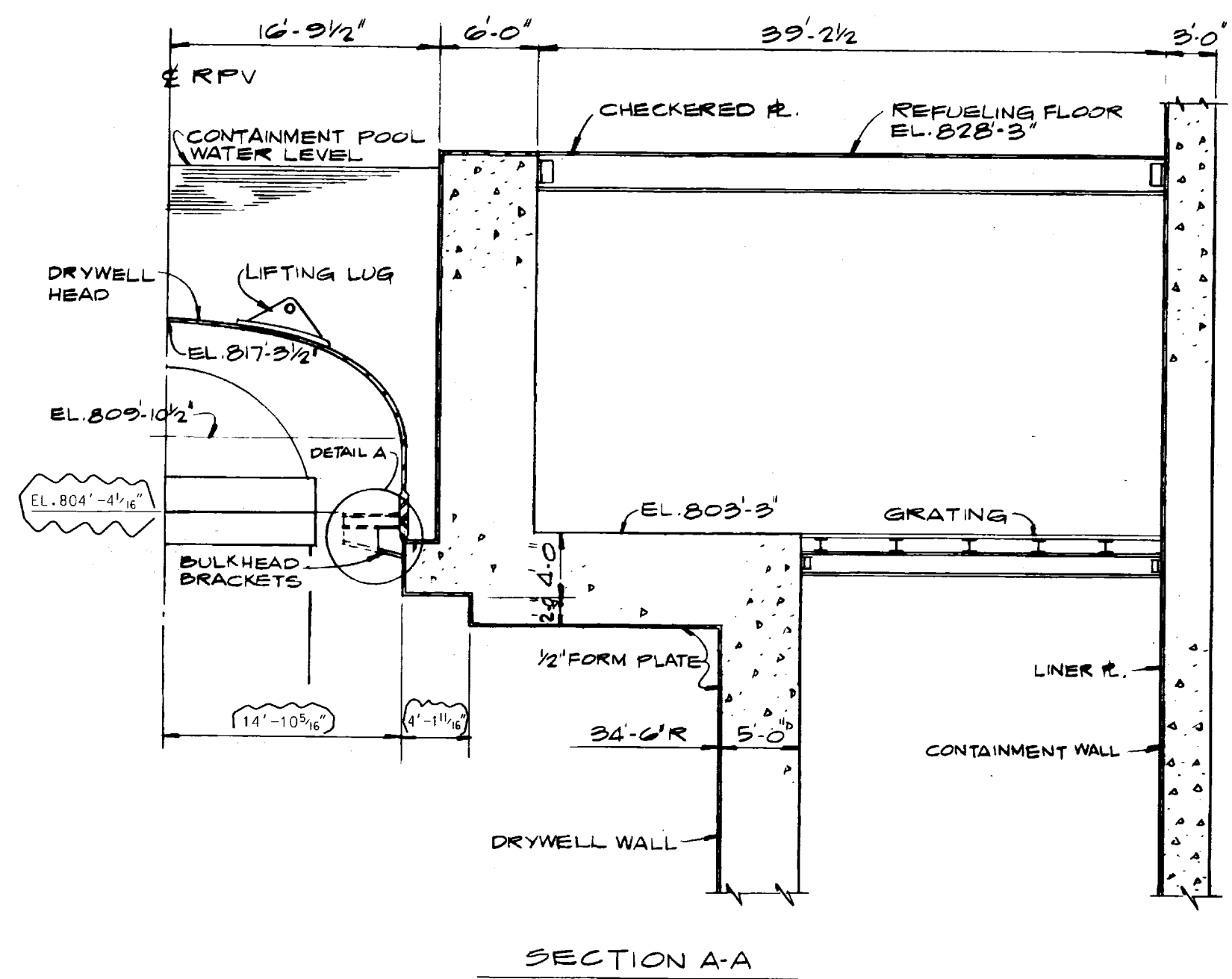
NOTES (CONT. FROM 527-100)

5. INSERT ACCESSIBLE JOIST 2" TIGHT SHALL HAVE VERTICAL STIFFENERS ATTACHED @ 24" HORIZ. SPACING. STIFFENERS SHALL BE CUT BACK 5" FROM THE JOIST TIE. STIFFENERS SHALL BE WELDED TO JOIST. NO STIFFENERS LESS THAN 12" LONG WELD BE ATTACHED.
6. FORM TIES SHALL BE ATTACHED TO EACH STIFFENER. EJECTOR SPACING WHERE FORM TIES ARE INTERRUPTED AT PENETRATIONS, ADDITIONAL TIES SHALL BE PROVIDED AT 3" FROM THE CUT END OF THE STIFFENER UNLESS A REINFORCING BAR IS LOCATED WITHIN 12" OF THE END OF STIFFENER.
7. MAXIMUM RATE OF POUR FOR DRYWALL WALL SHALL BE TWO FEET - SIX INCHES HEIGHT PER HOUR.

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-30

DRYWELL WALL DEVELOPED
(SHEET 2 OF 2)

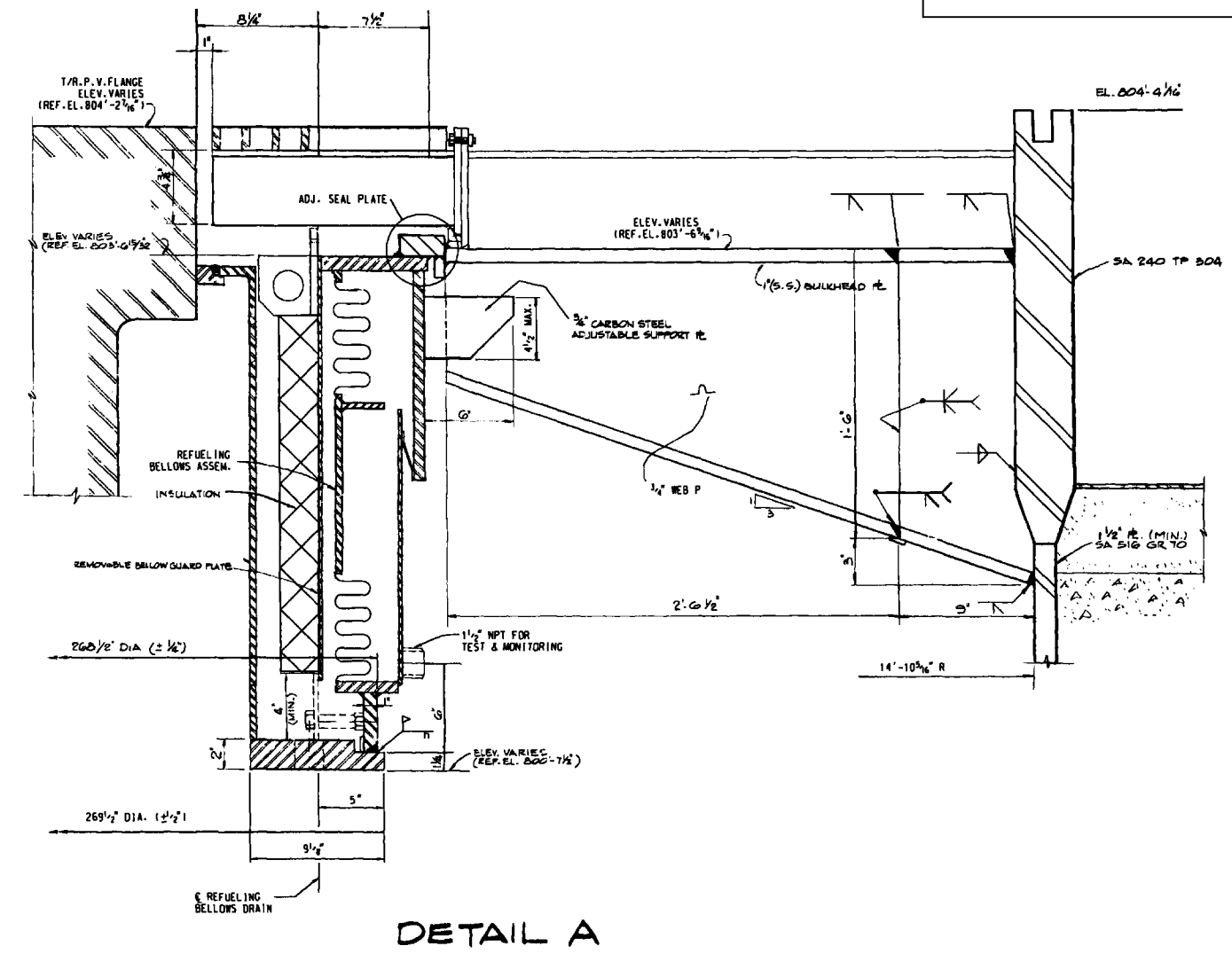
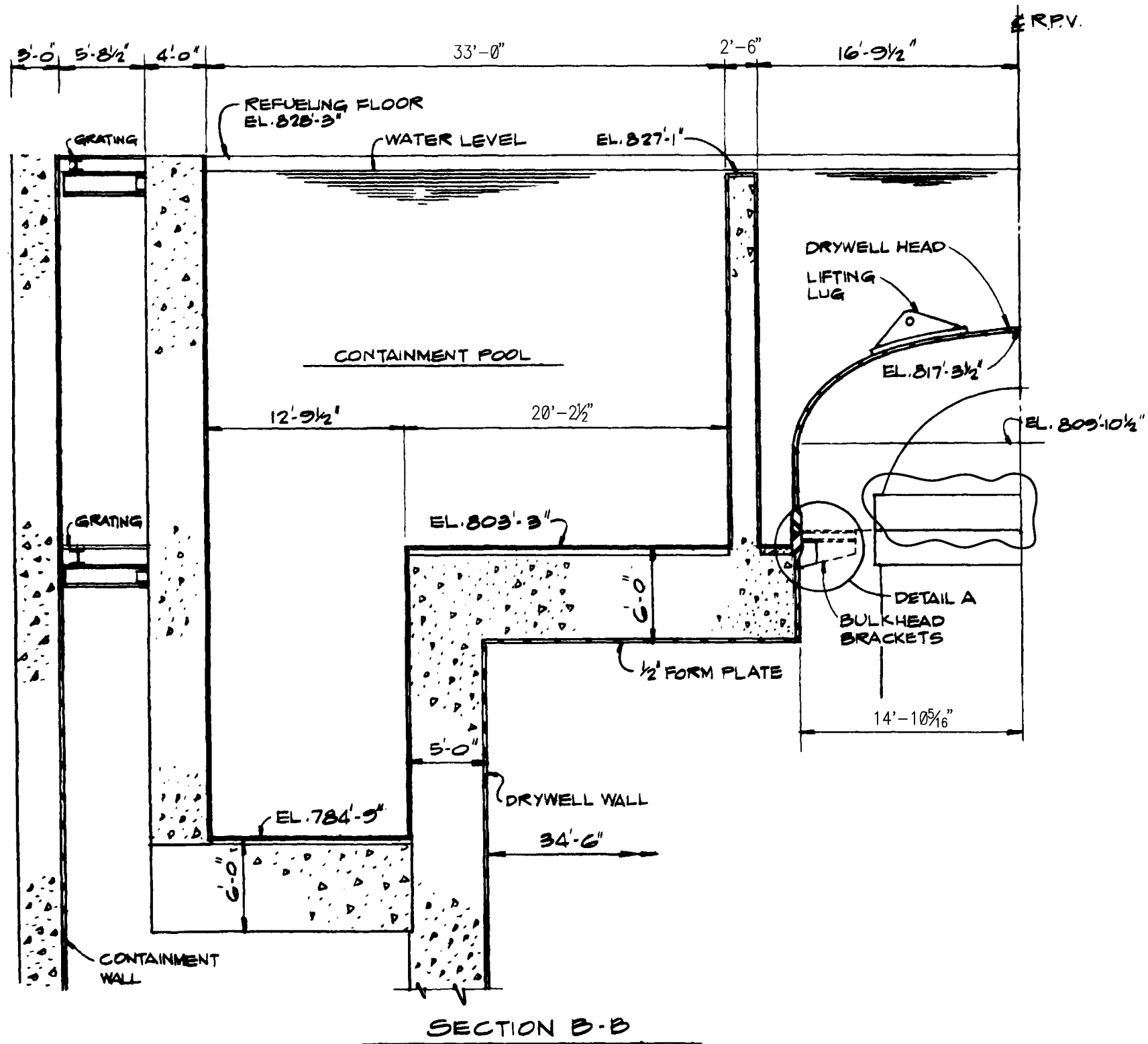


CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-31

DETAILS OF THE DRYWELL HEAD AND
CONTAINMENT POOL COMPLEX

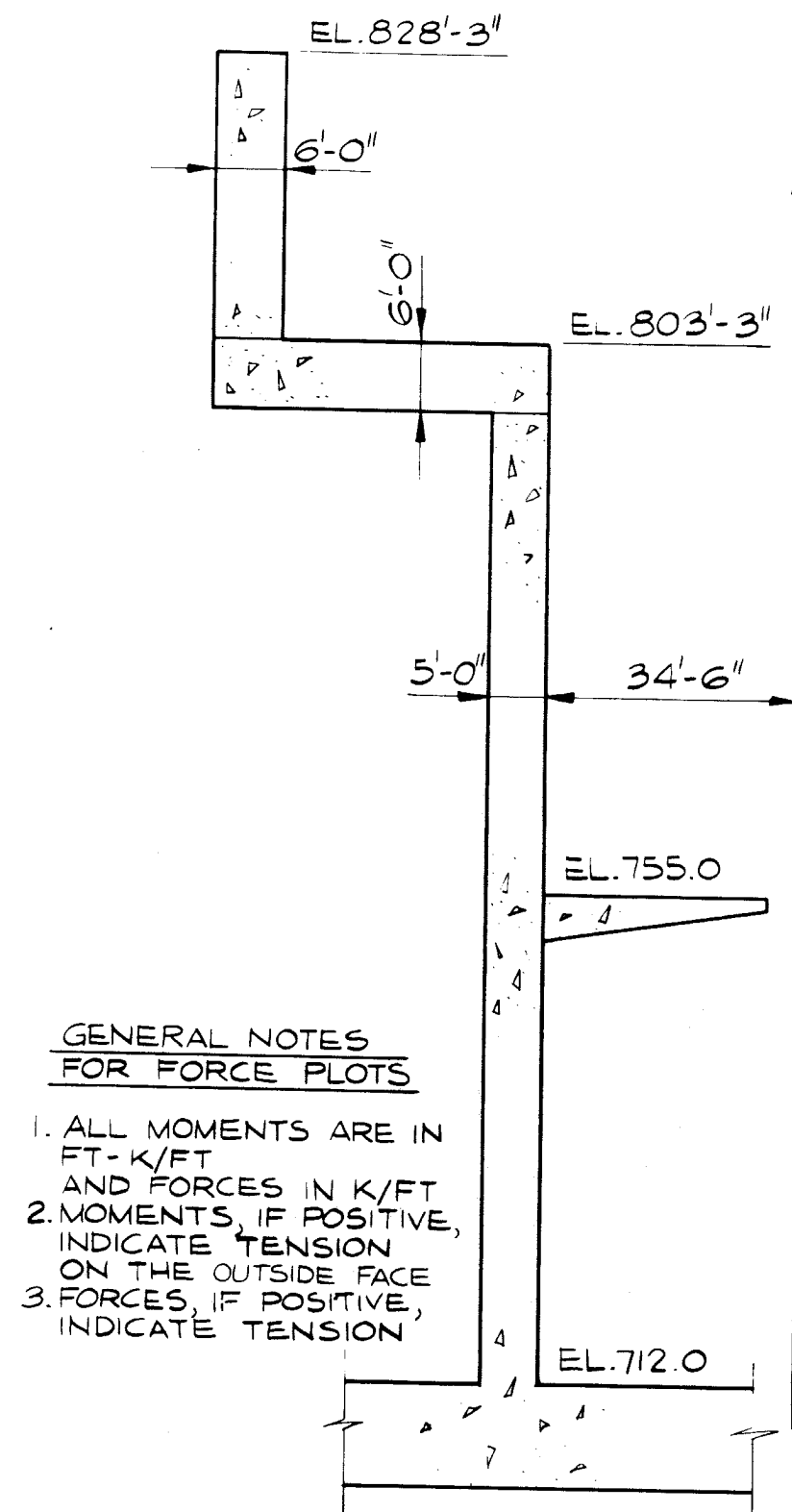
(SHEET 1 of 2)



CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-31
DETAILS OF THE DRYWELL HEAD AND
CONTAINMENT POOL COMPLEX

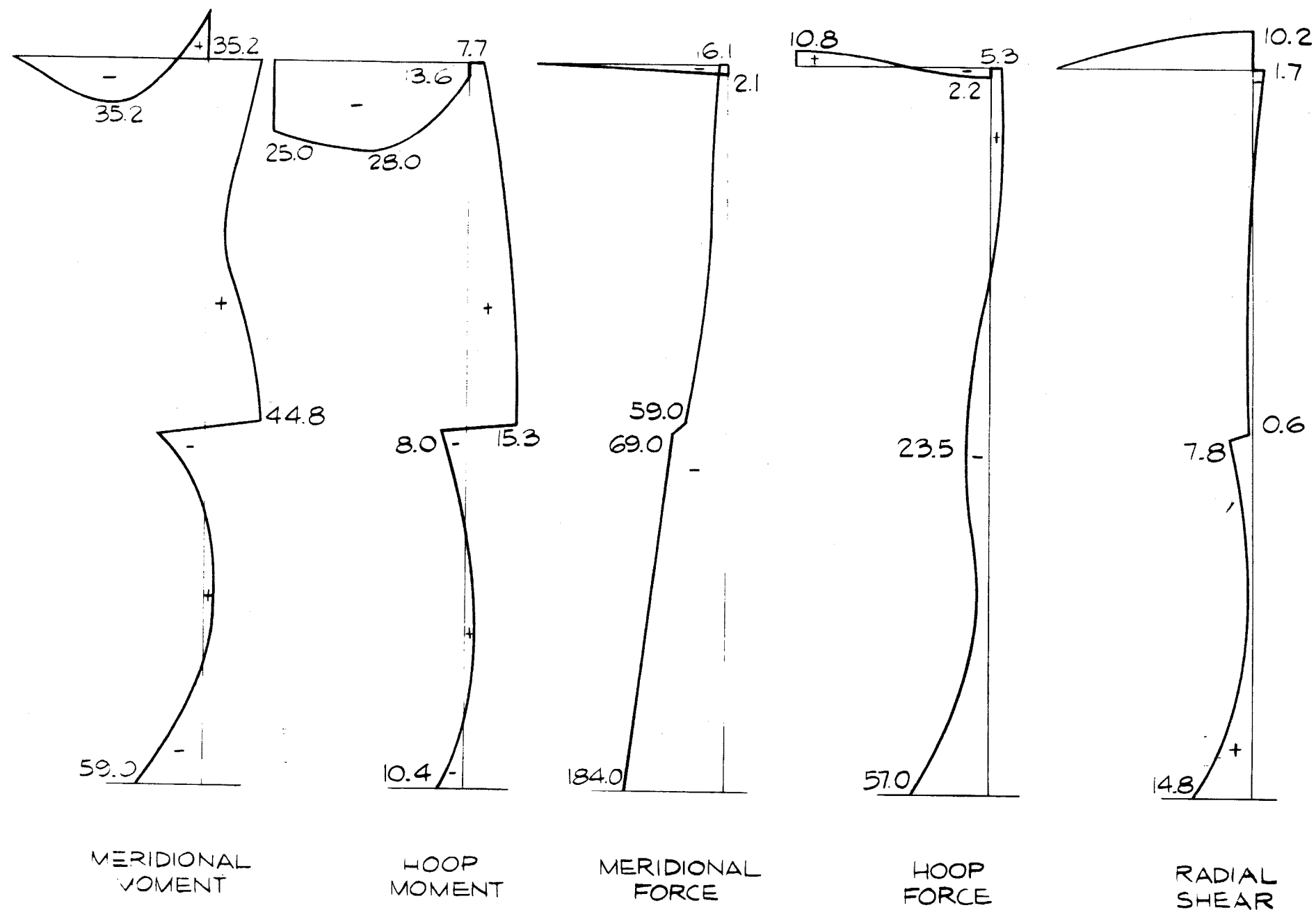
(SHEET 2 OF 2)



GENERAL NOTES
FOR FORCE PLOTS

1. ALL MOMENTS ARE IN
FT-K/FT
AND FORCES IN K/FT
2. MOMENTS, IF POSITIVE,
INDICATE TENSION
ON THE OUTSIDE FACE
3. FORCES, IF POSITIVE,
INDICATE TENSION

CONTAINMENT



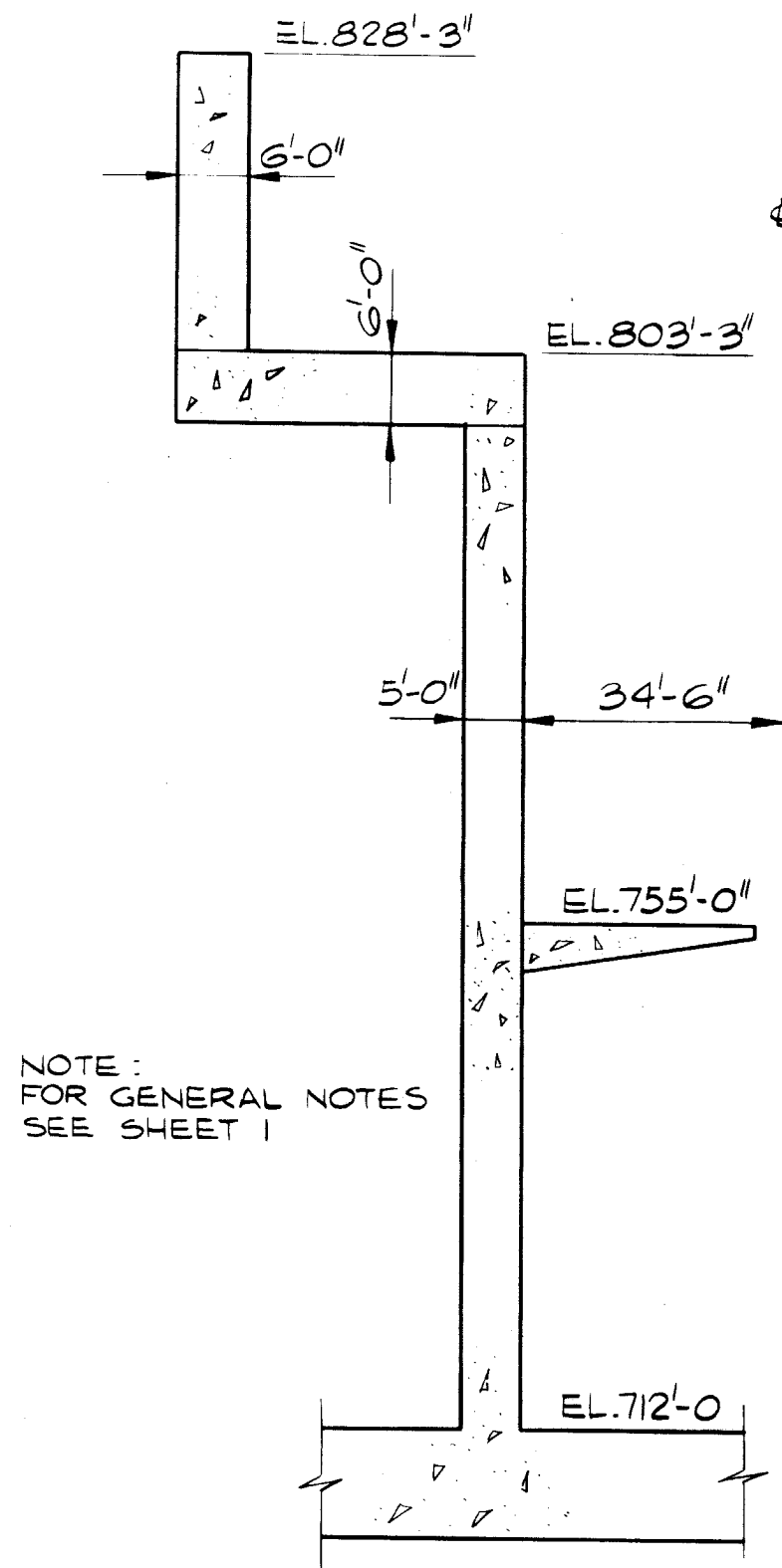
DEAD LOAD (D)
AZIMUTH 90°

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-33

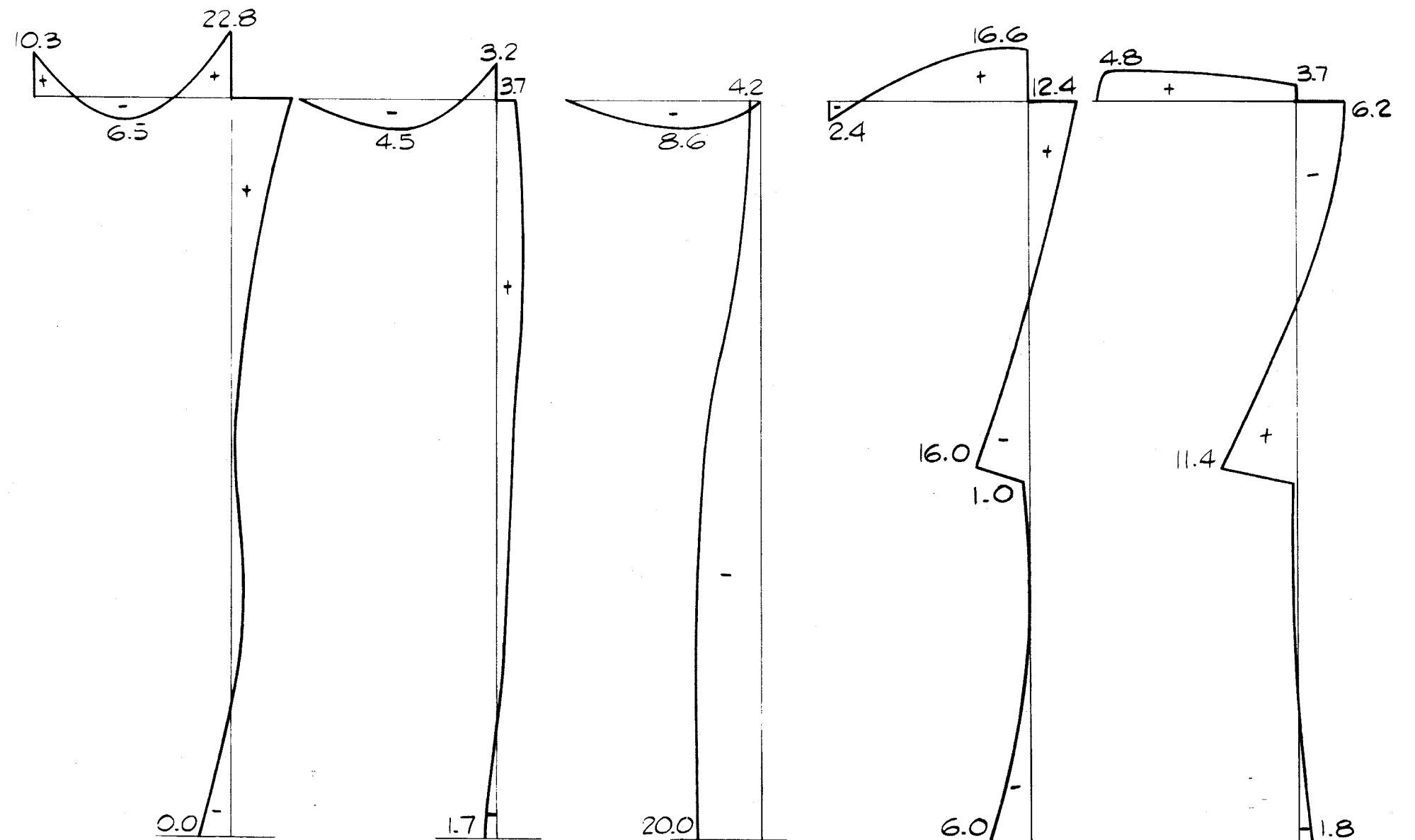
FORCE & MOMENT PLOTS - DRYWELL

(SHEET 1 of 4)



NOTE:
FOR GENERAL NOTES
SEE SHEET 1

CONTAINMENT



VERIDIONAL
MOMENT

HOOP
MOMENT

MERIDIONAL
FORCE

HOOP
FORCE

RADIAL
SHEAR

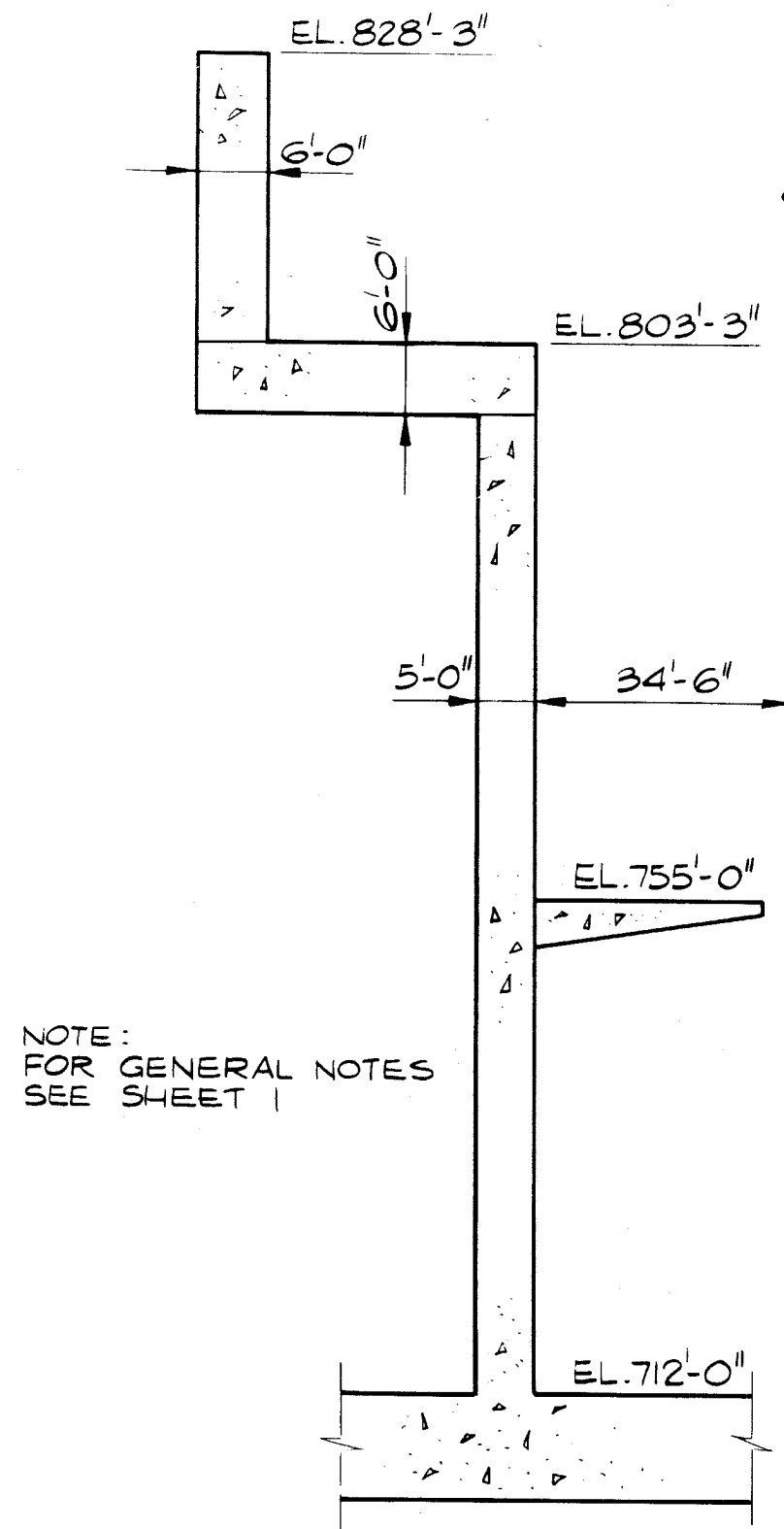
POOL WATER LOADING (H)
AZIMUTH 90°

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-33

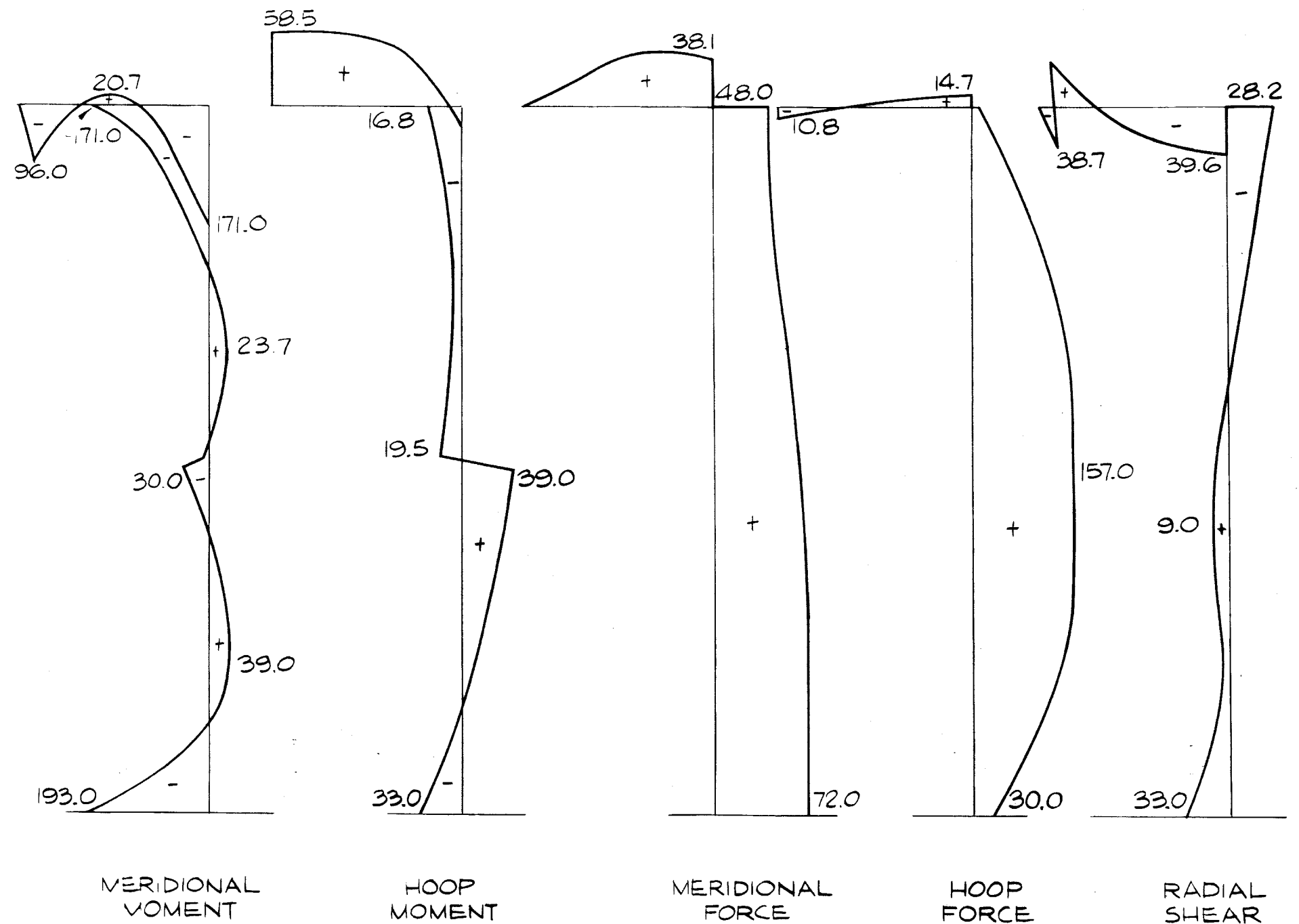
FORCE & MOMENT PLOTS - DRYWELL

(SHEET 2 of 4)



NOTE:
FOR GENERAL NOTES
SEE SHEET 1

CONTAINMENT



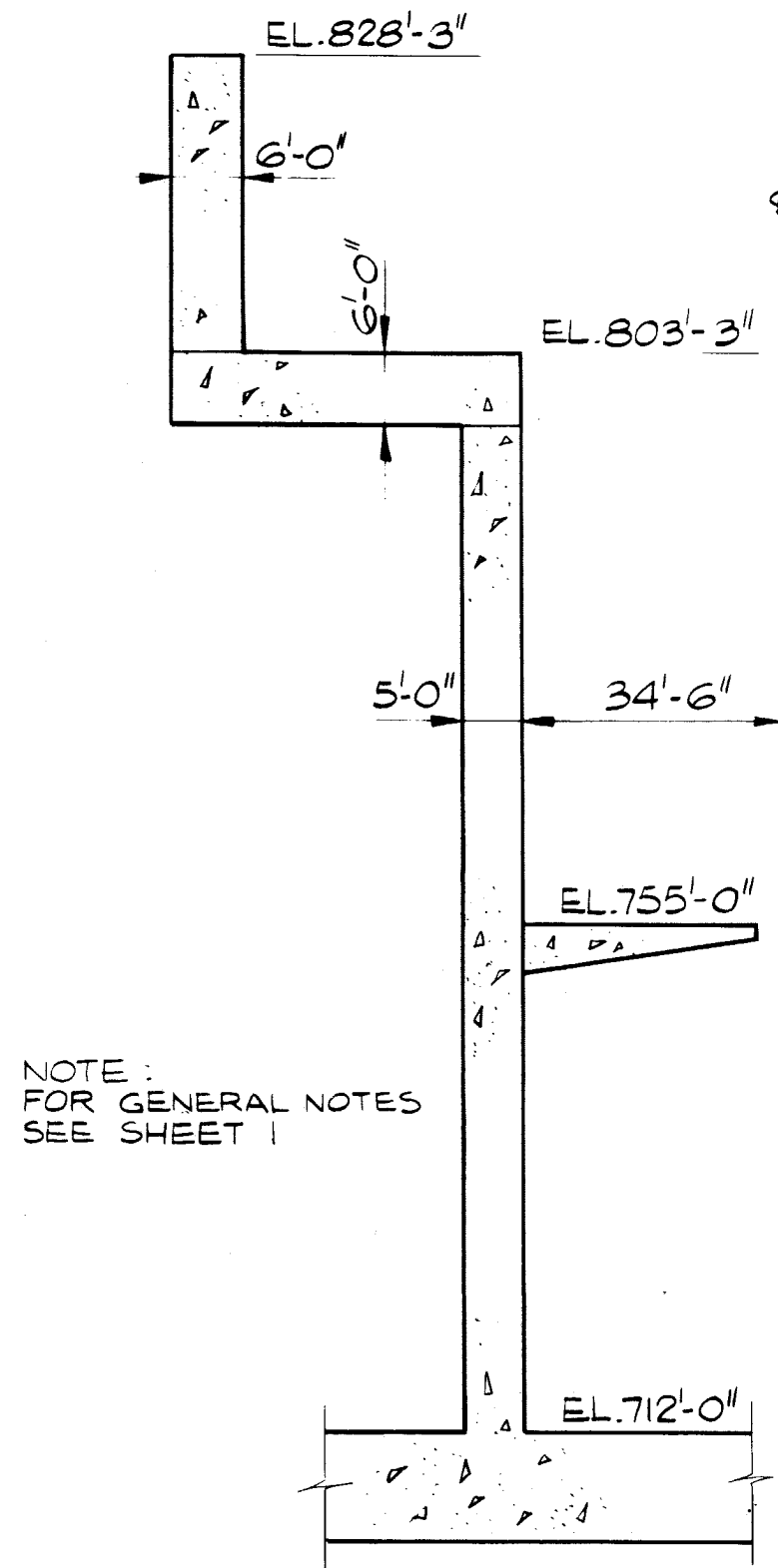
ACCIDENT PRESSURE (P_a) LOADING
AZIMUTH 90°

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UPDATED SAFETY ANALYSIS REPORT

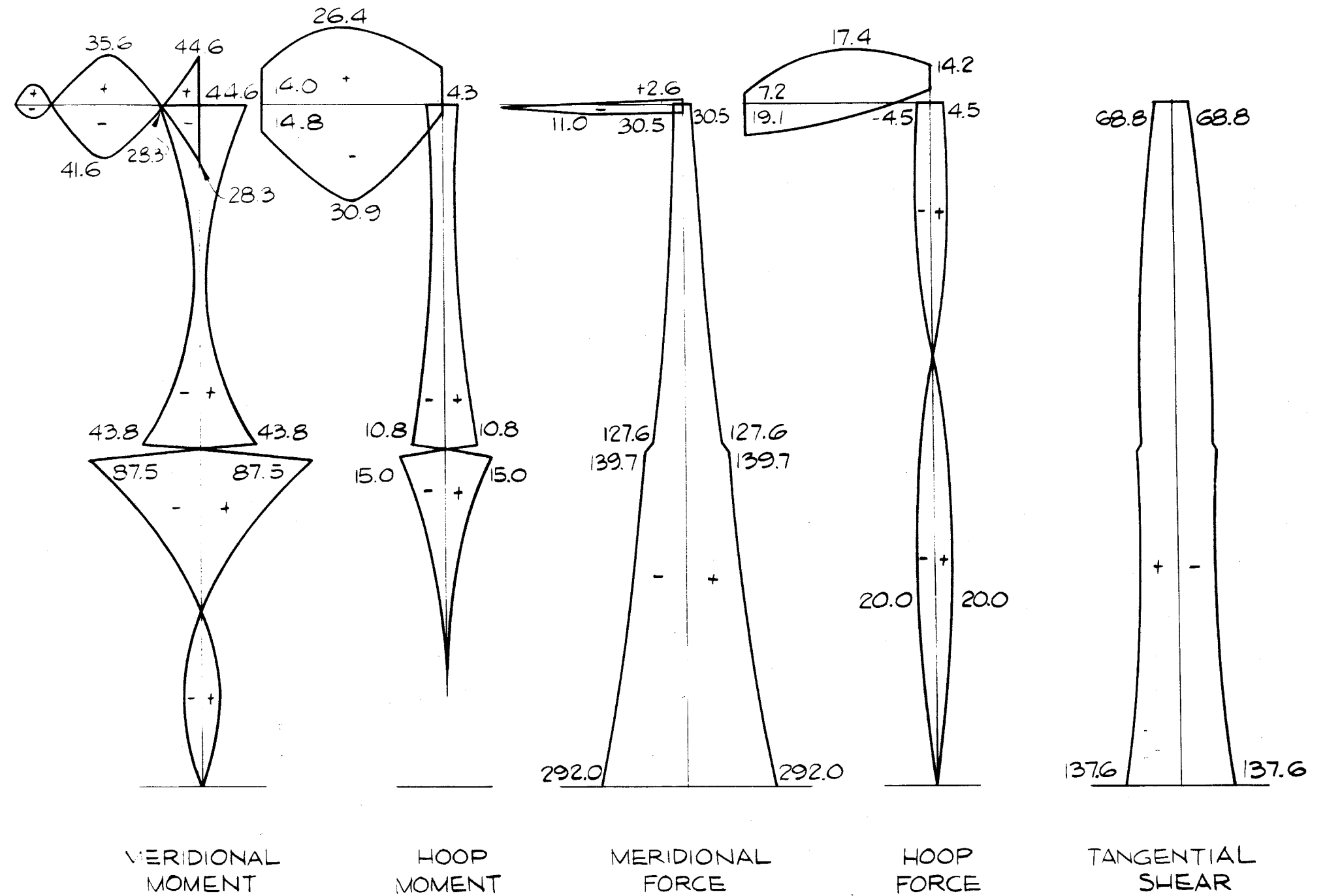
FIGURE 3.8-33

FORCE & MOMENT PLOTS - DRYWELL

(SHEET 3 of 4)



CONTAINMENT



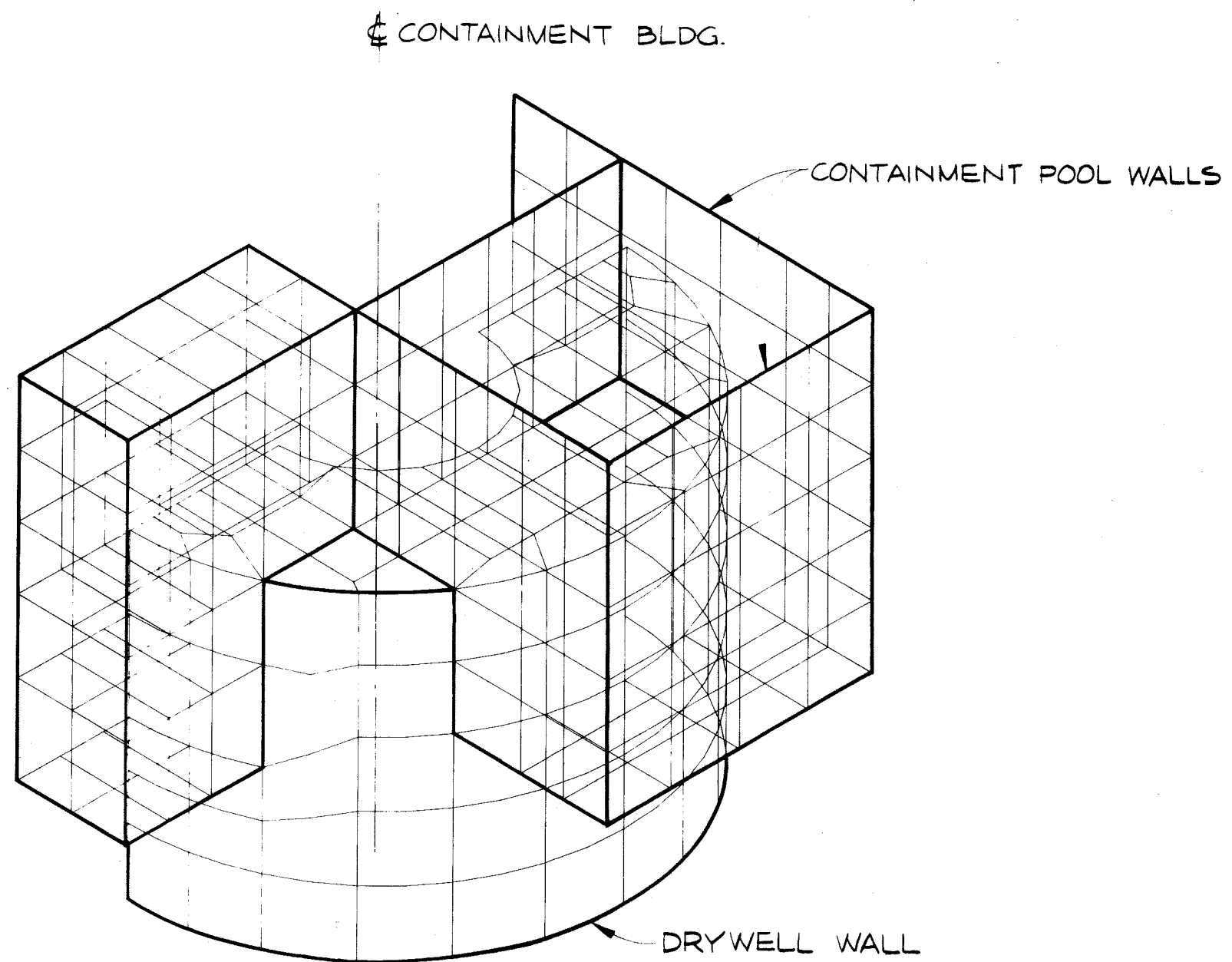
SAFE SHUTDOWN EARTHQUAKE LOADING (E')
AZIMUTH 90°

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-33

FORCE & MOMENT PLOTS - DRYWELL

(SHEET 4 of 4)



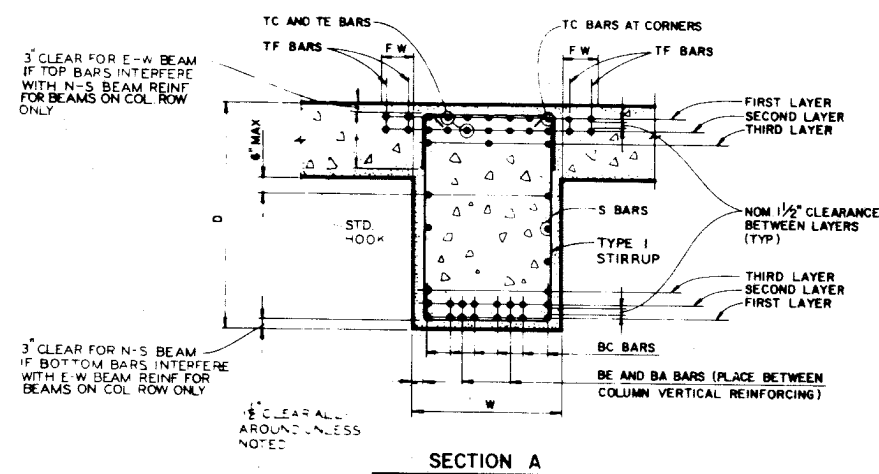
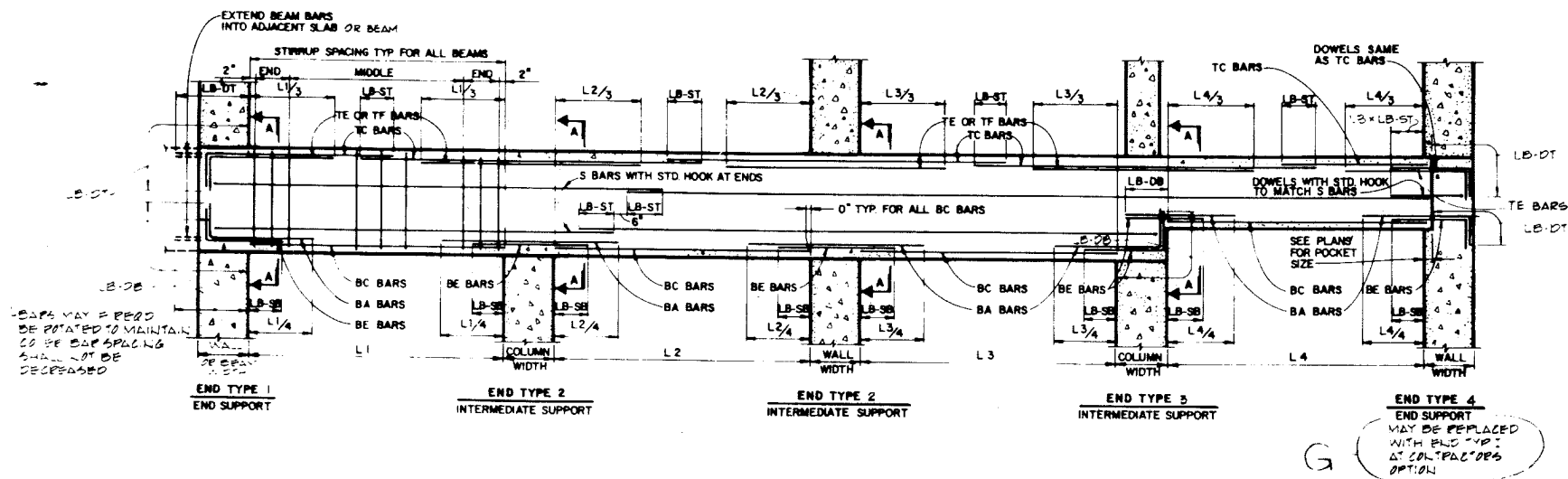
CLINTON POWER STATION
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FIGURE 3.8-34

ANALYTICAL MODEL OF UPPER PORTION OF
 DRYWELL STRUCTURE

CPS/USAR

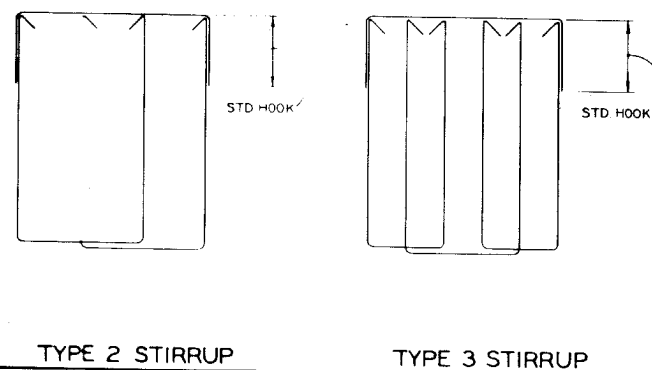
**FIGURE 3.8-35
HAS BEEN DELETED**

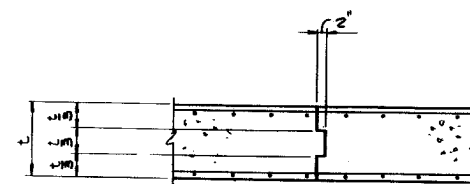
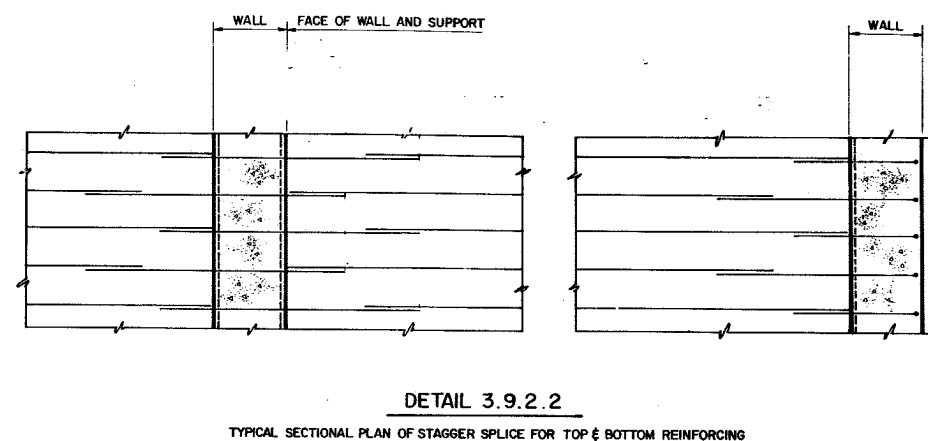
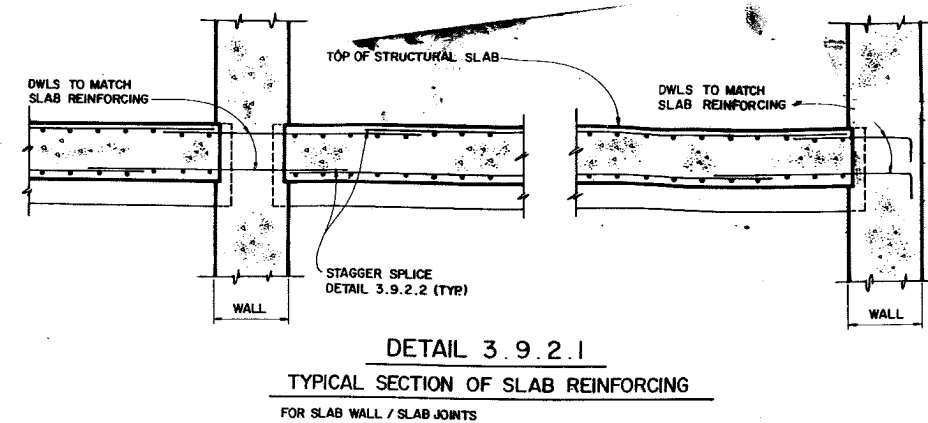
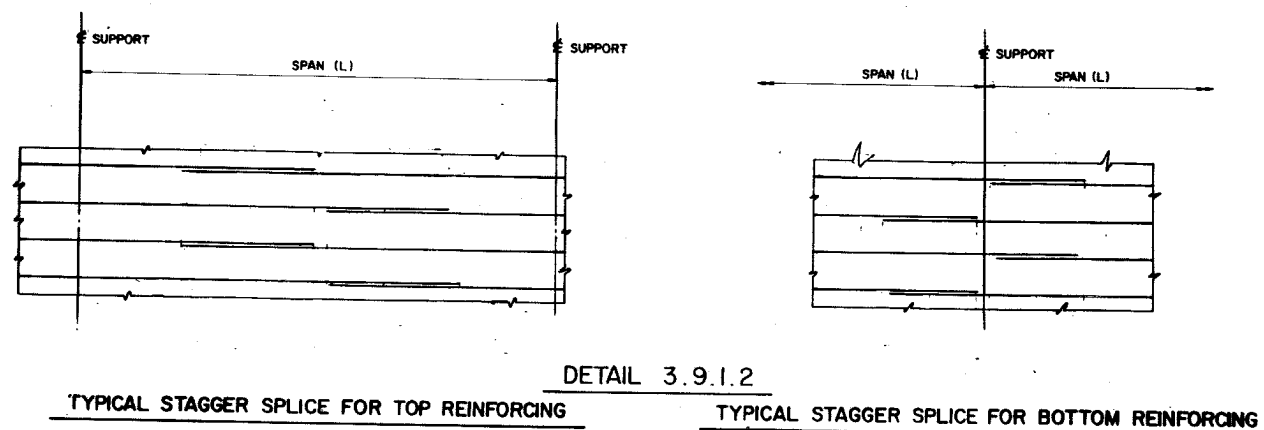
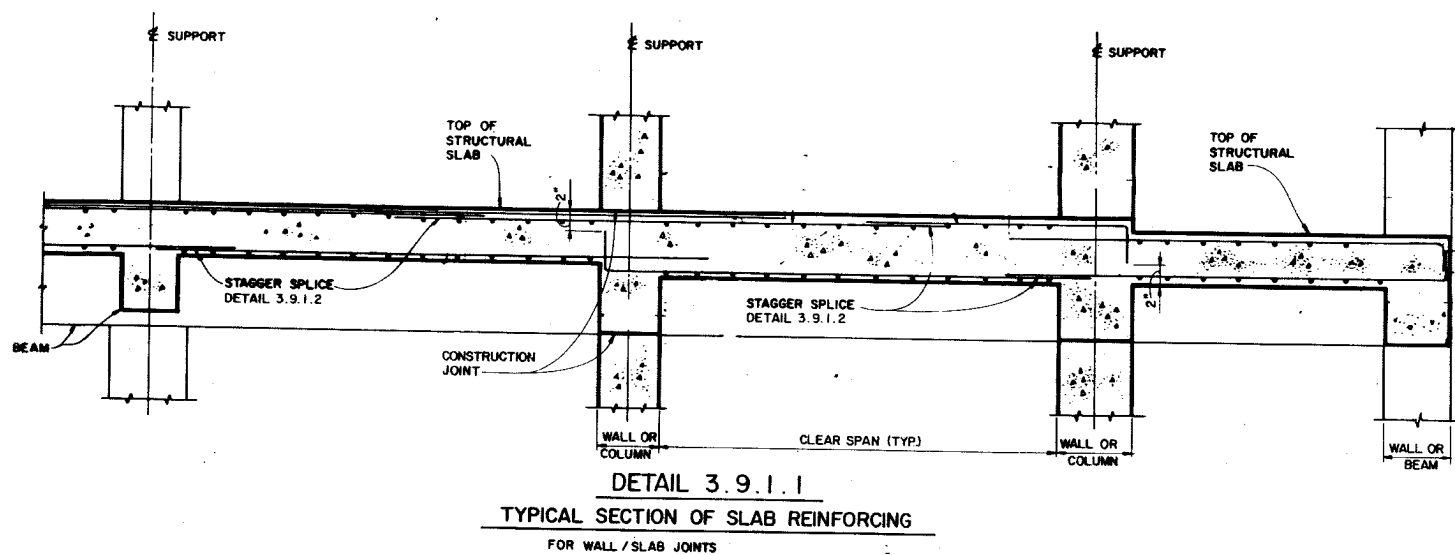


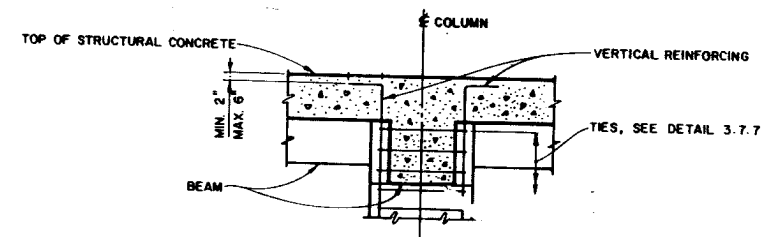
BAR SIZE	TOP BARS		BOTTOM BARS		STD. HOOK	STIRRUPS
	SPLICE LB-ST	DEVELOPMENT LB-DT	SPLICE LB-SB	DEVELOPMENT LB-DB		
#4					8"	
#5					10"	
#6	27"	21"	19"	15"	12"	
#7	36"	28"	26"	20"	14"	
#8	47"	36"	34"	26"	16"	
#9	59"	46"	43"	33"	19"	
#10	75"	58"	54"	42"	22"	
#11	92"	71"	66"	51"	24"	

THIS SCHEDULE IS BASED ON 3000 PSI CONCRETE, 60,000 PSI REINFORCING BARS, AND BARS SPACED @ LEAST 6" ON CENTER LATERALLY.

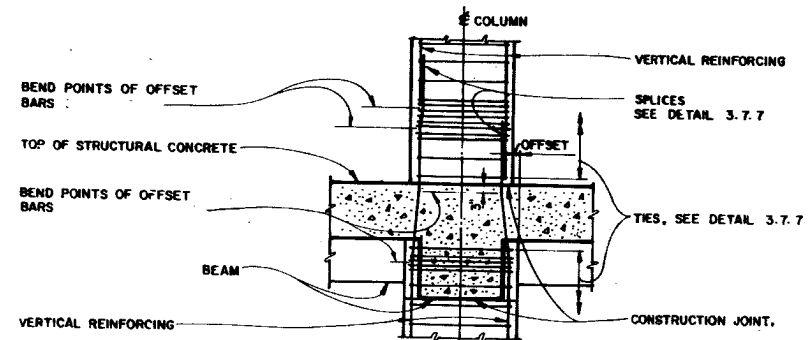
DETAIL 3.8.2
SPLICE AND DEVELOPMENT LENGTH SCHEDULE
FOR CONCRETE BEAM REINFORCEMENT



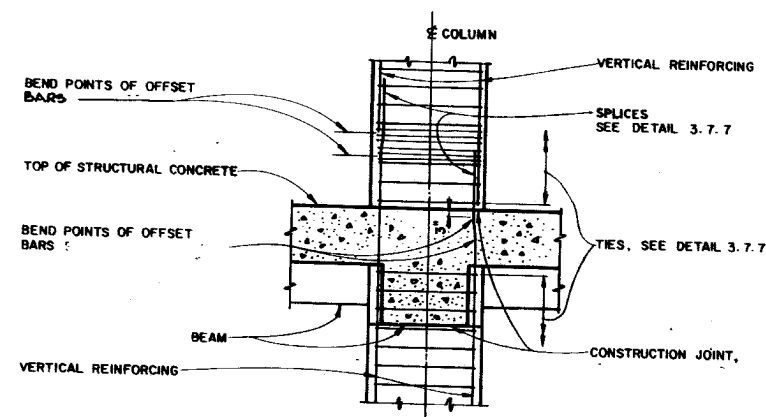




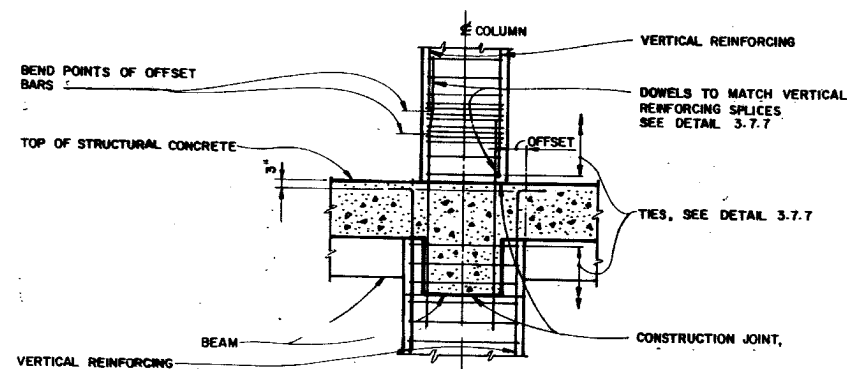
DETAIL 3.7.1
COLUMN TERMINATION AT TOP



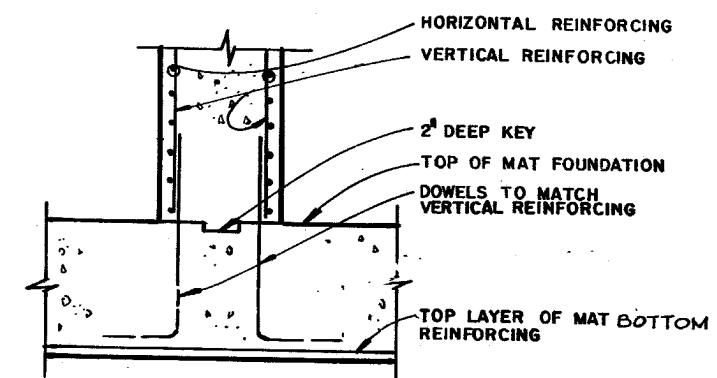
DETAIL 3.7.4
COLUMN AT INTERMEDIATE FLOOR WITH 3" OR LESS OFFSET
(DETAILS 3.7.5 AND 3.7.6 MAYBE USED AS ALTERNATE)



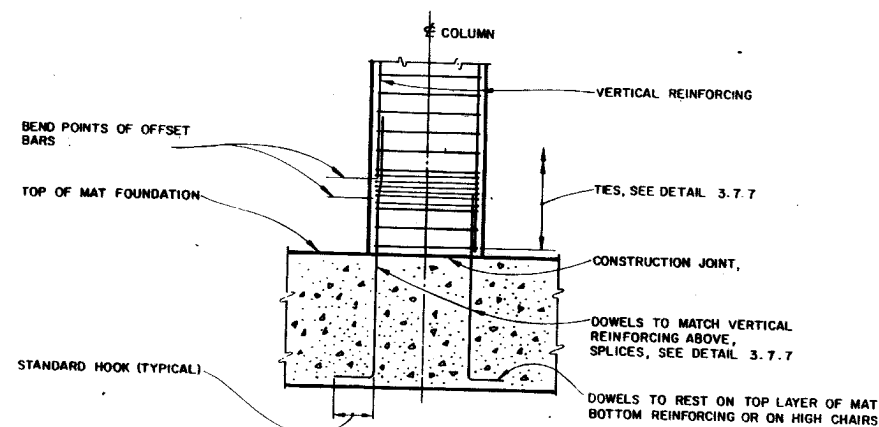
DETAIL 3.7.2
COLUMN AT INTERMEDIATE FLOOR WITHOUT OFFSET



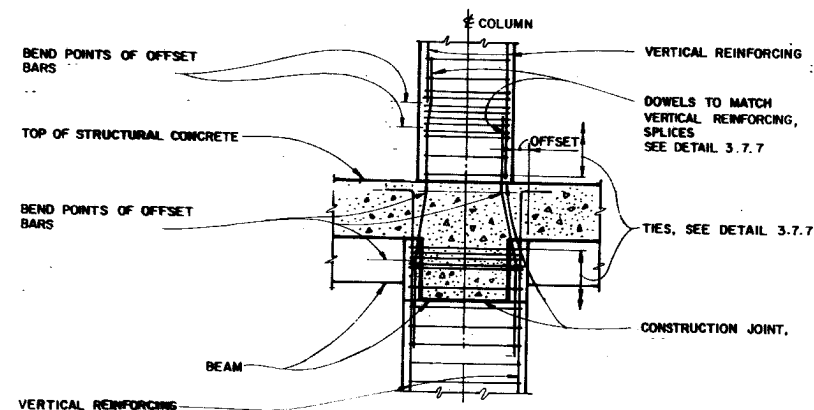
DETAIL 3.7.5
COLUMN AT INTERMEDIATE FLOOR WITH MORE THAN 3" OFFSET
(DETAILS 3.7.6 MAYBE USED AS ALTERNATE)



WALL AT MAT FOUNDATION



DETAIL 3.7.3
COLUMN TERMINATION AT BASE

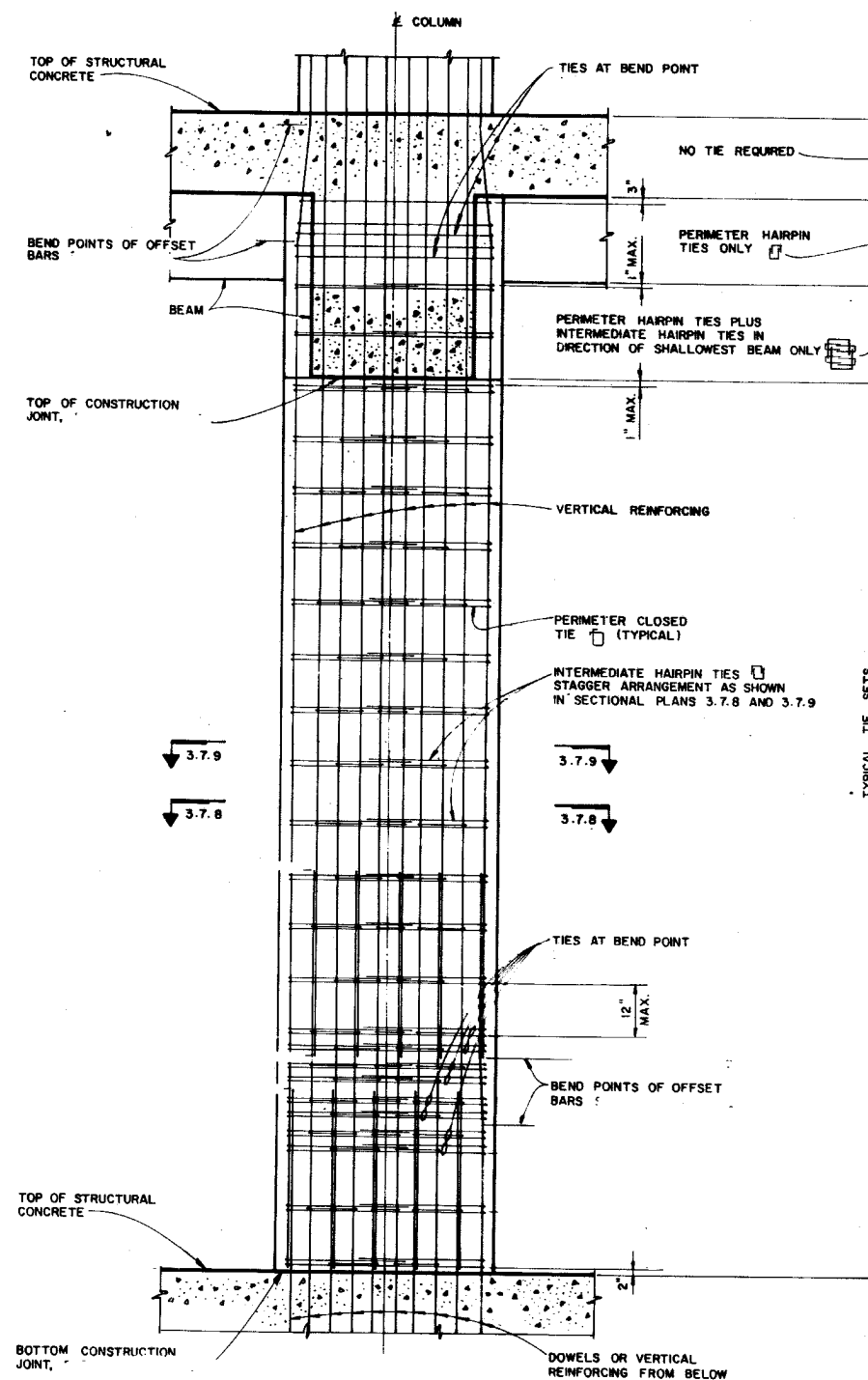


DETAIL 3.7.6
COLUMN AT INTERMEDIATE FLOOR WITH OFFSET
(ALTERNATE TO DETAILS 3.7.4 AND 3.7.5)

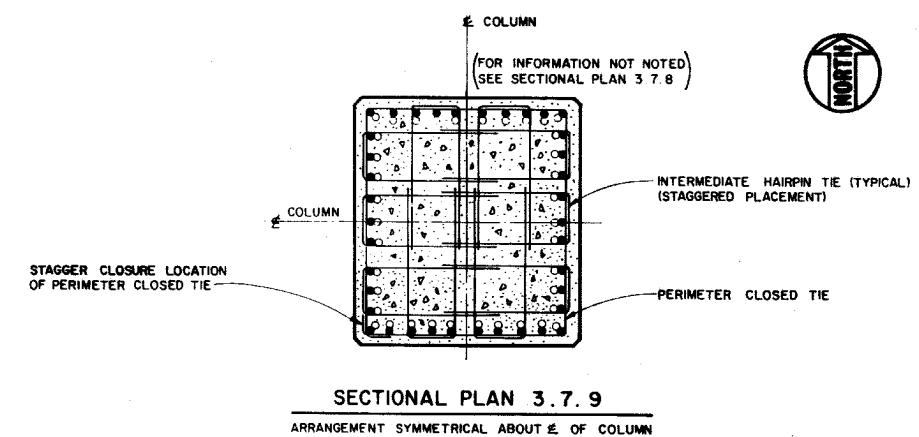
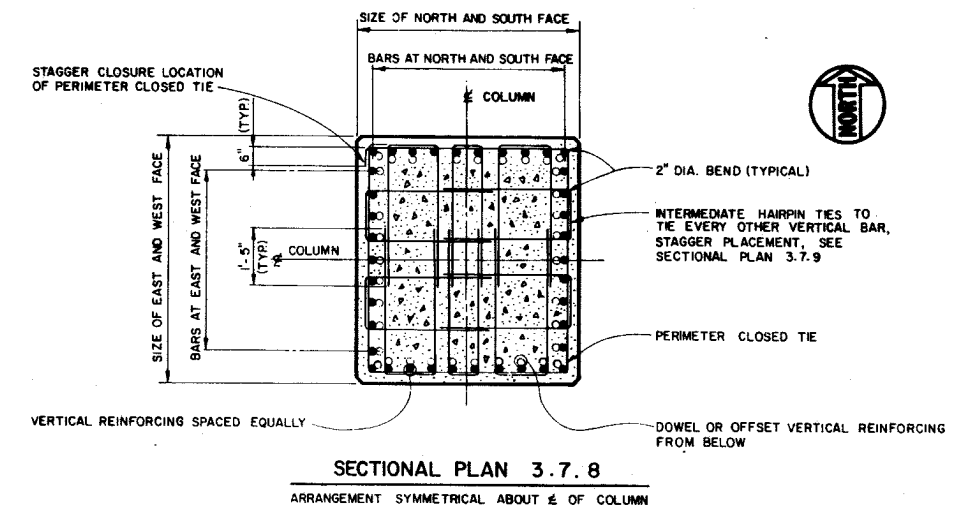
TYPICAL SPLICE DETAILS OF VERTICAL REINFORCING

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FIGURE 3.8-37
TYPICAL REINFORCING DETAILS
(SHEET 2 of 4)



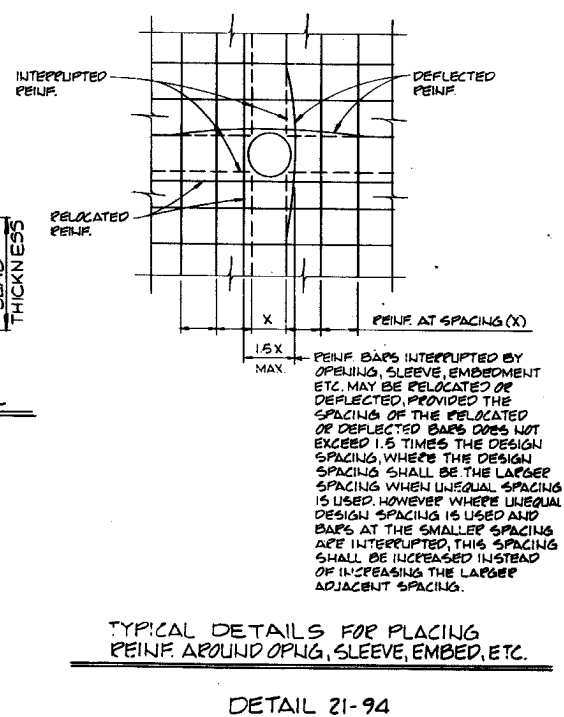
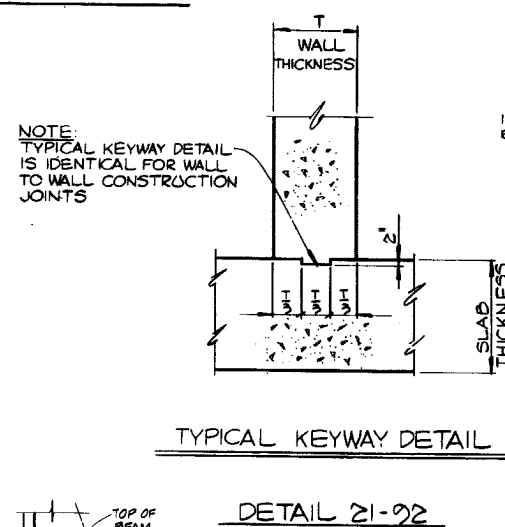
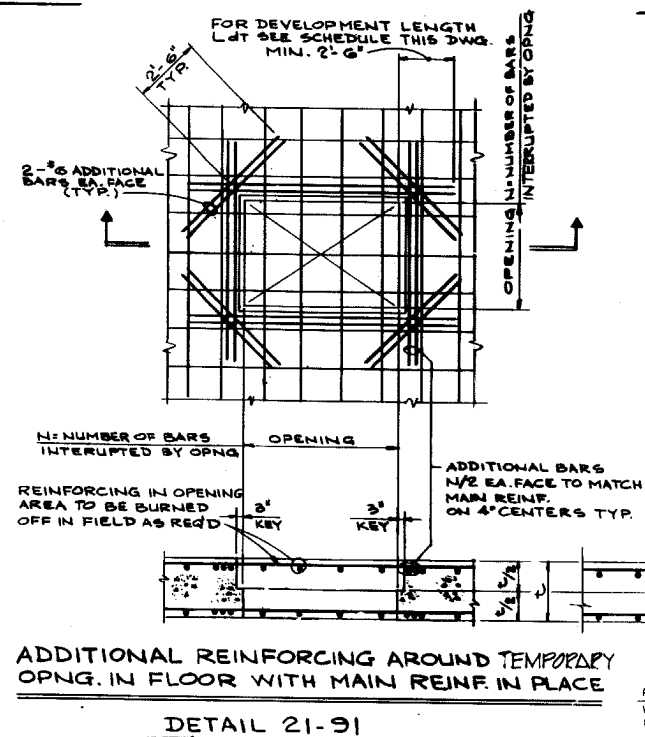
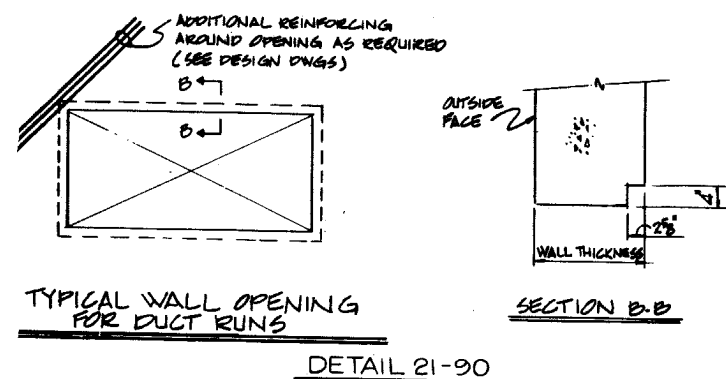
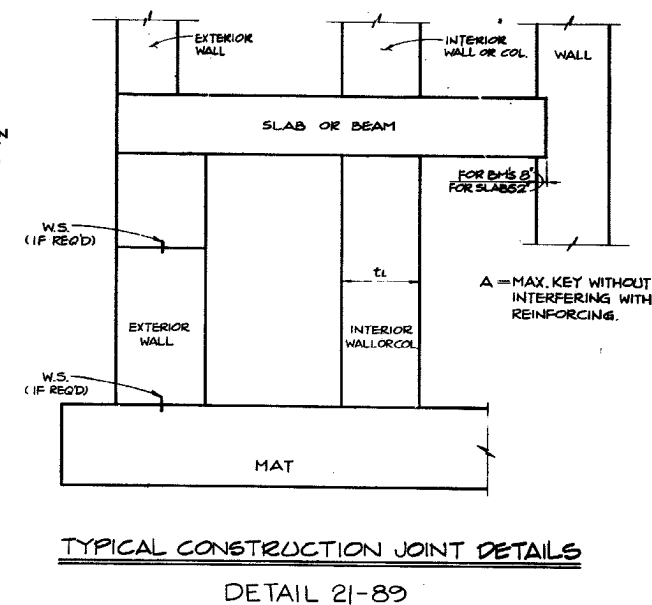
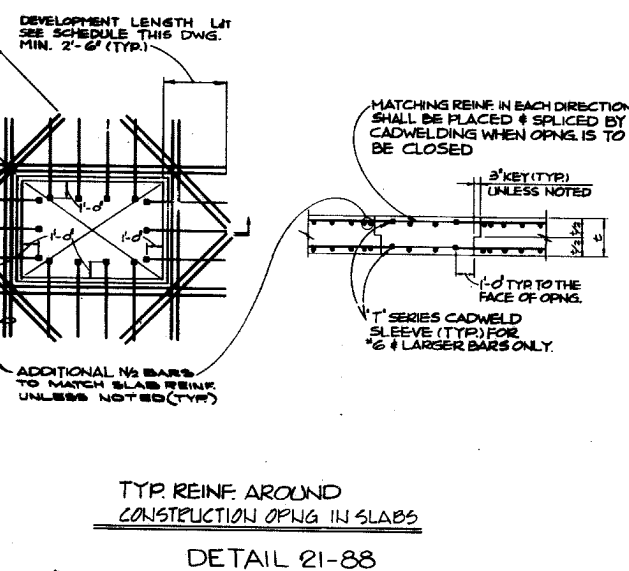
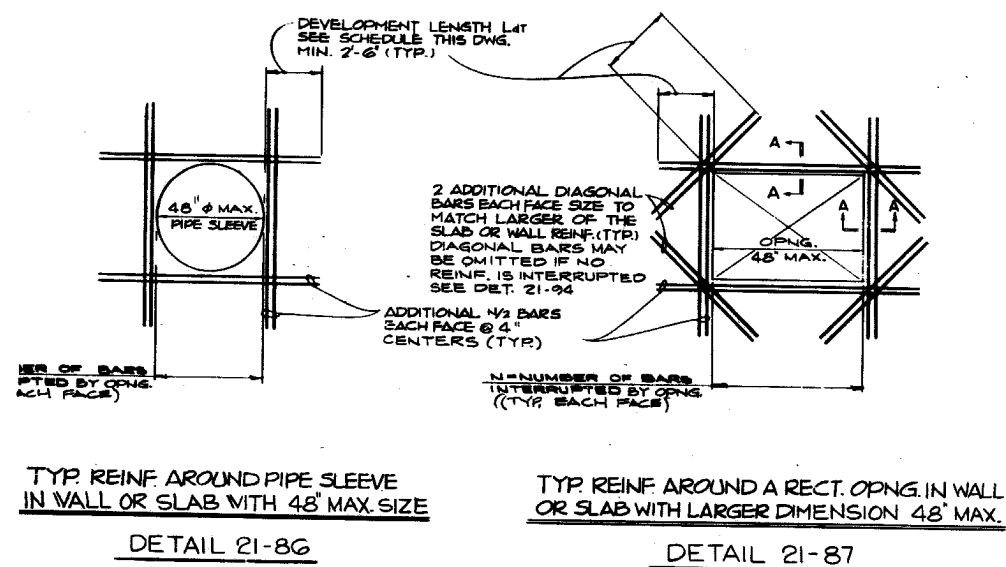
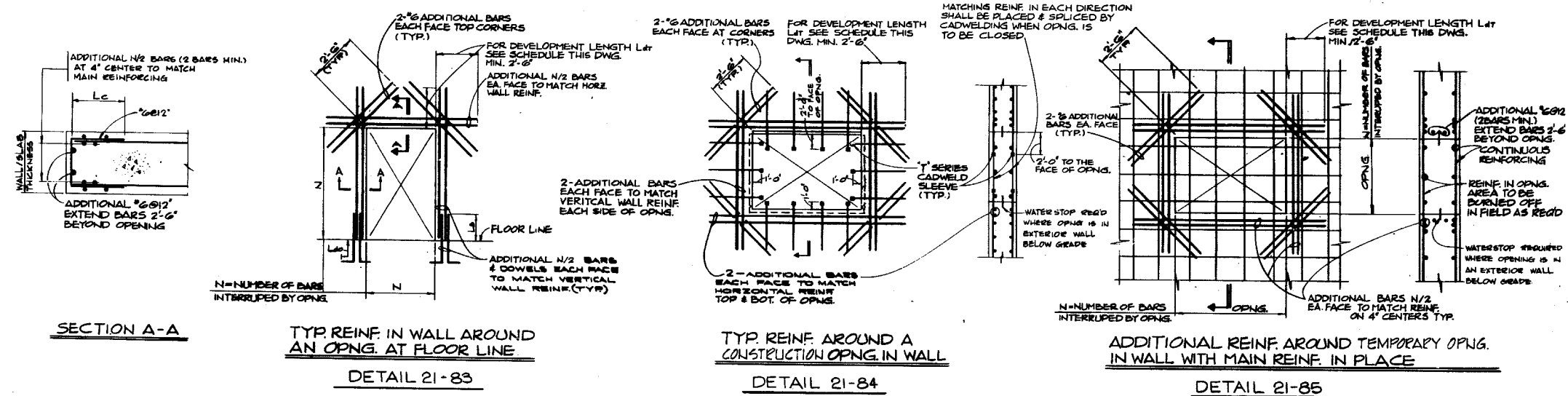
DETAIL 3.7.7
TYPICAL COLUMN ELEVATION



ARRANGEMENT OF VERTICAL REINFORCING AND TYPICAL TIE SETS

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

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

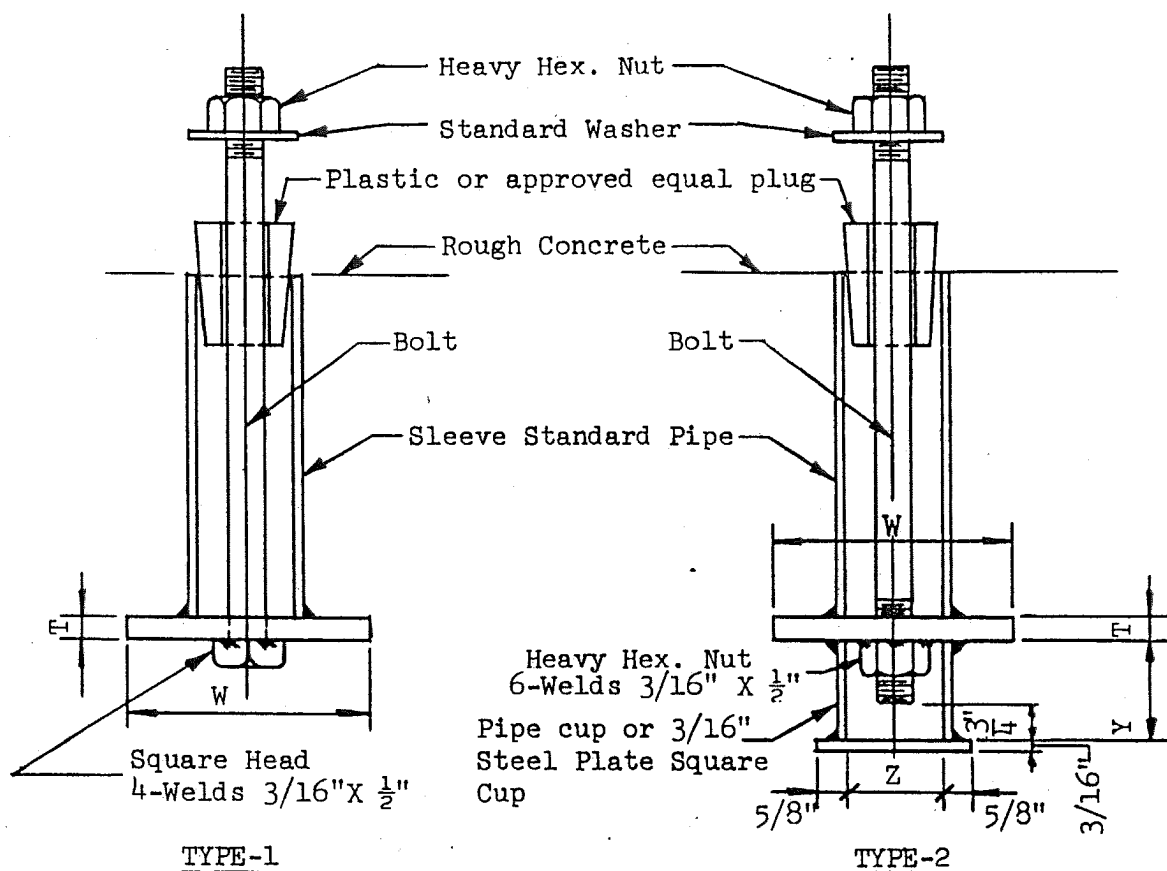


WS = WATER STOP

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-37

TYPICAL REINFORCING DETAILS
(SHEET 4 of 4)



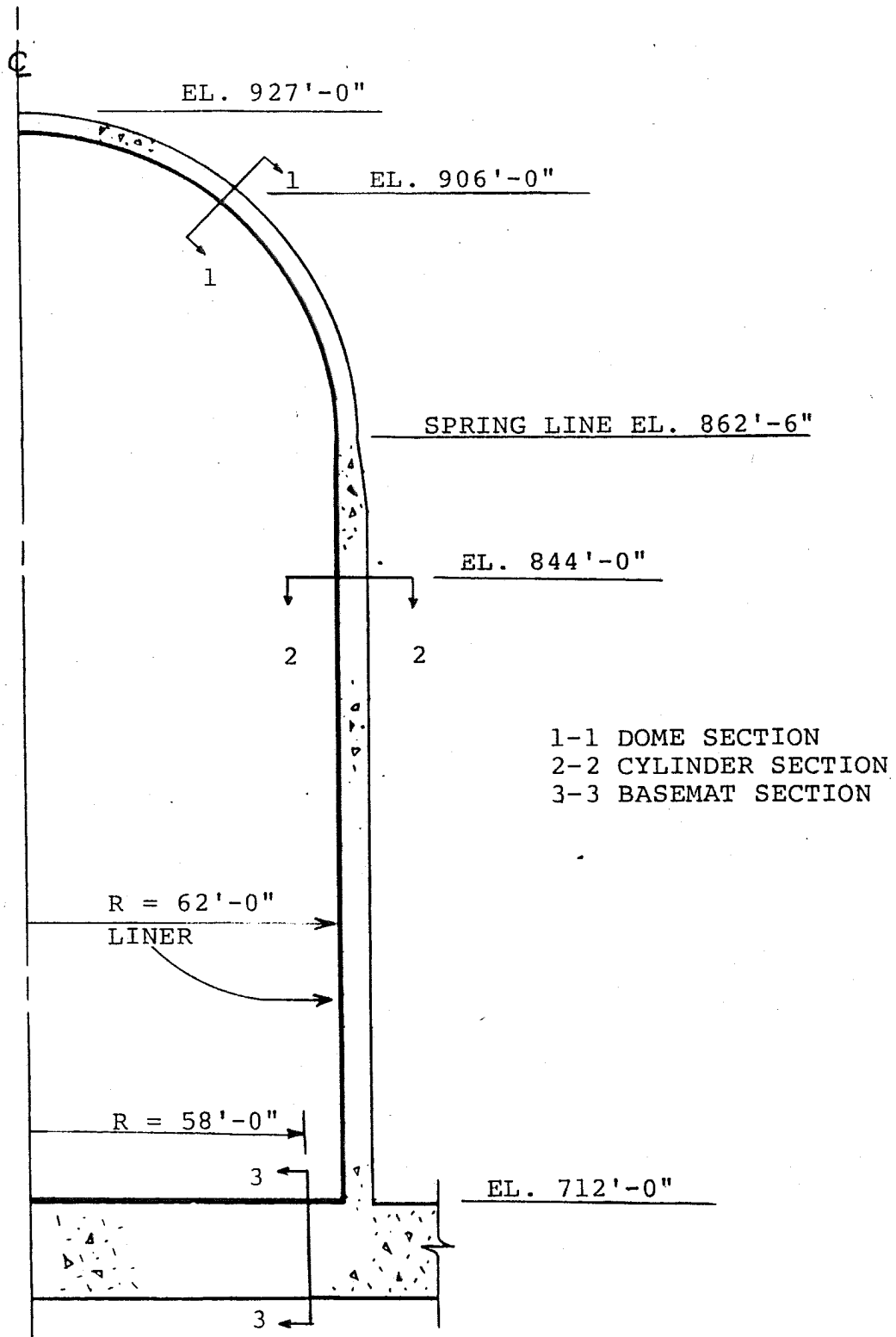
TYPE 1 AND 2 BOLTS												
BOLT DIAM.	5/8"	3/4"	7/8"	1"	1 1/4"	1 1/2"	1 3/4"	2"	2 1/4"	2 1/2"	2 3/4"	3"
SLEEVE	1 1/2"	2"	2"	2 1/2"	3"	3"	3 1/2"	3 1/2"	4"	5"	5"	5"
SQUARE PLATE WASHER	T	3/8"	3/8"	1/2"	1/2"	5/8"	3/4"	3/4"	3/4"	7/8"	7/8"	1"
	W	3 1/2"	4"	5"	5"	6"	6"	8"	8"	9"	10"	11"
CUP	Z	1 1/2"	2"	2"	2 1/2"	3"	3"	3 1/2"	4"	5"	5"	5"
	Y	2"	2 1/2"	2 1/2"	2 1/2"	3"	3"	3 1/2"	3 1/2"	4"	4"	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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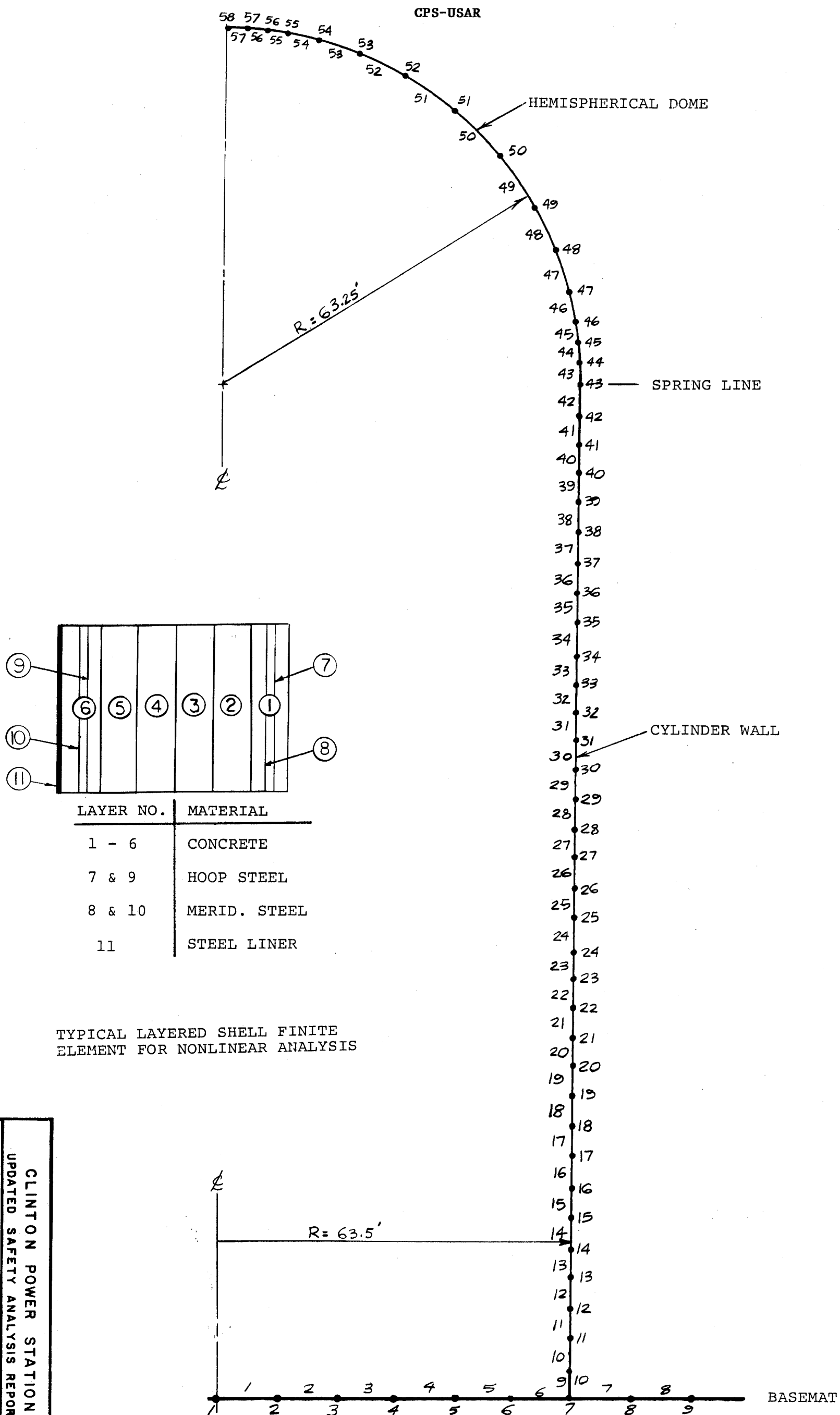
FIGURE 3.8-38

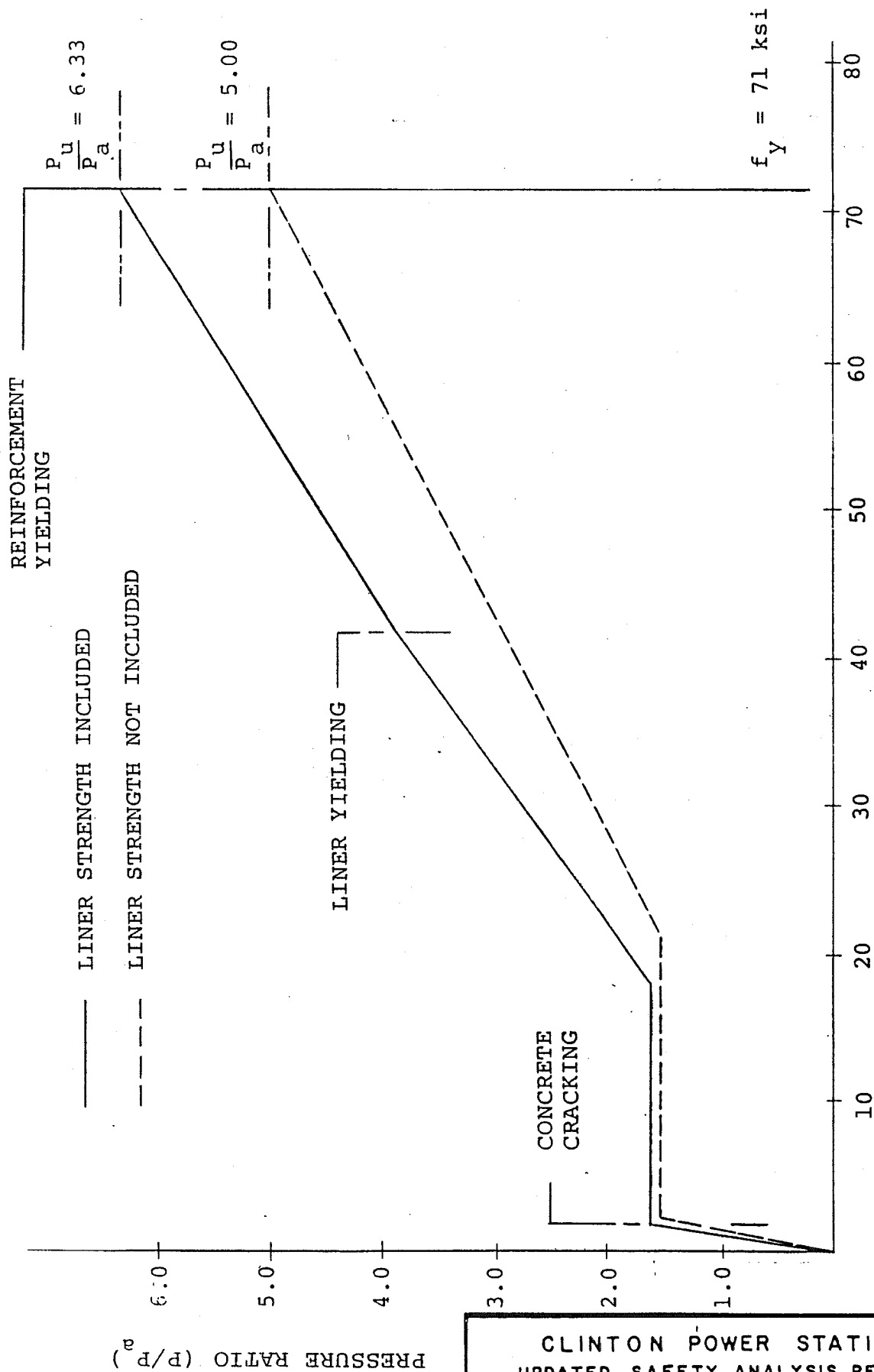
TYPICAL ANCHOR BOLT DETAILS FOR
SEISMIC CATEGORY I EQUIPMENT

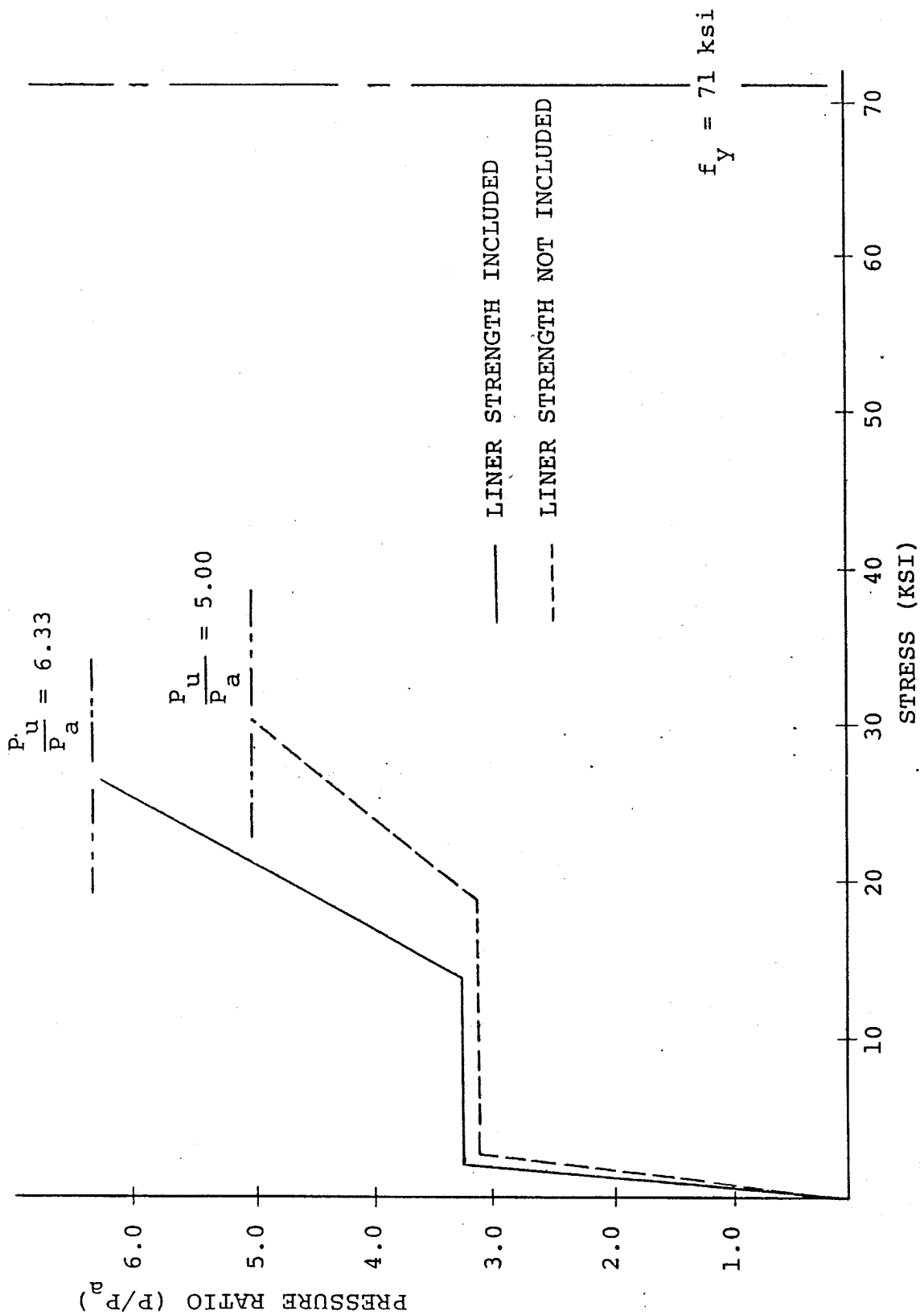


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FIGURE 3.8-39
CRITICAL SECTIONS
IN CONTAINMENT STRUCTURE

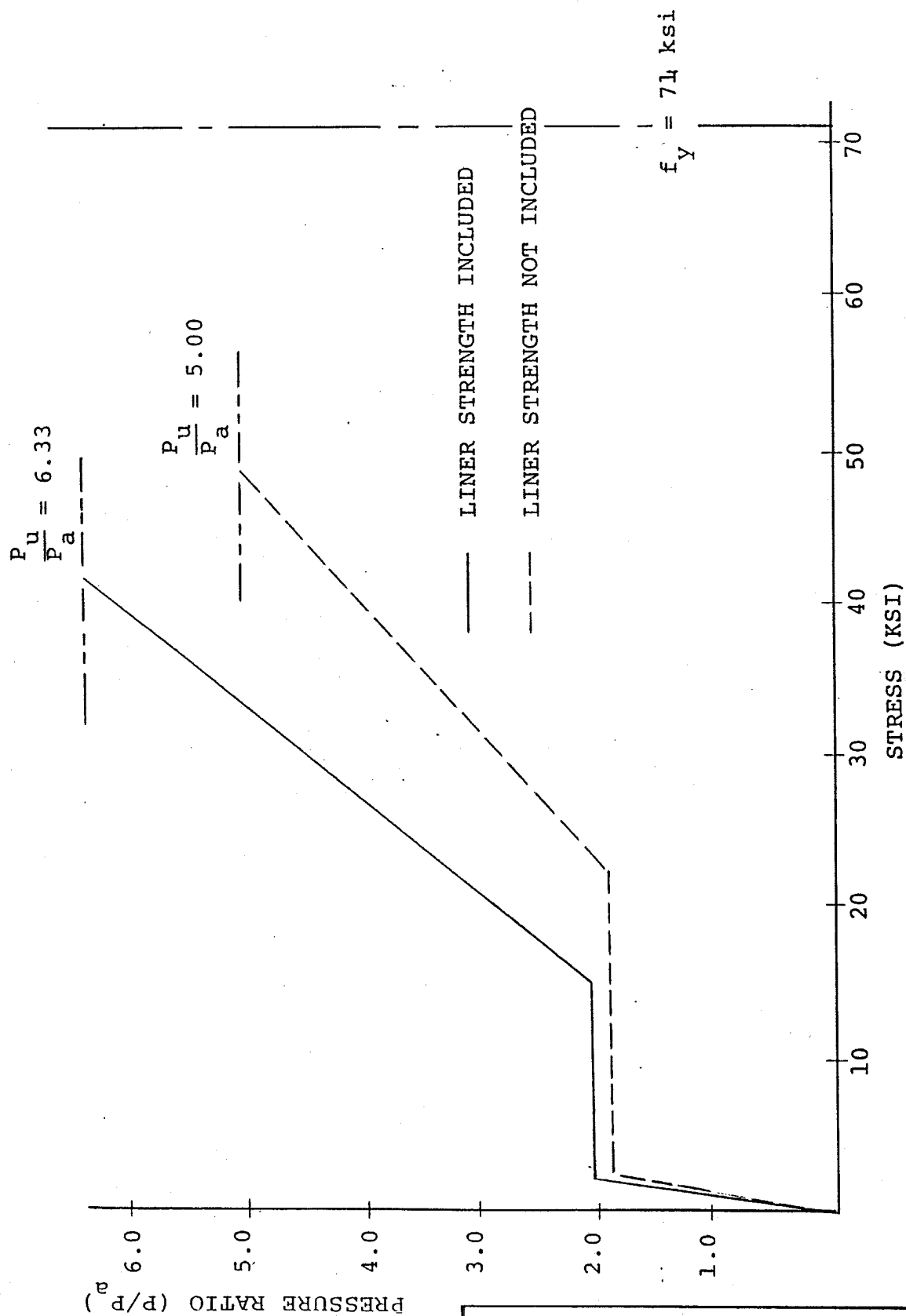






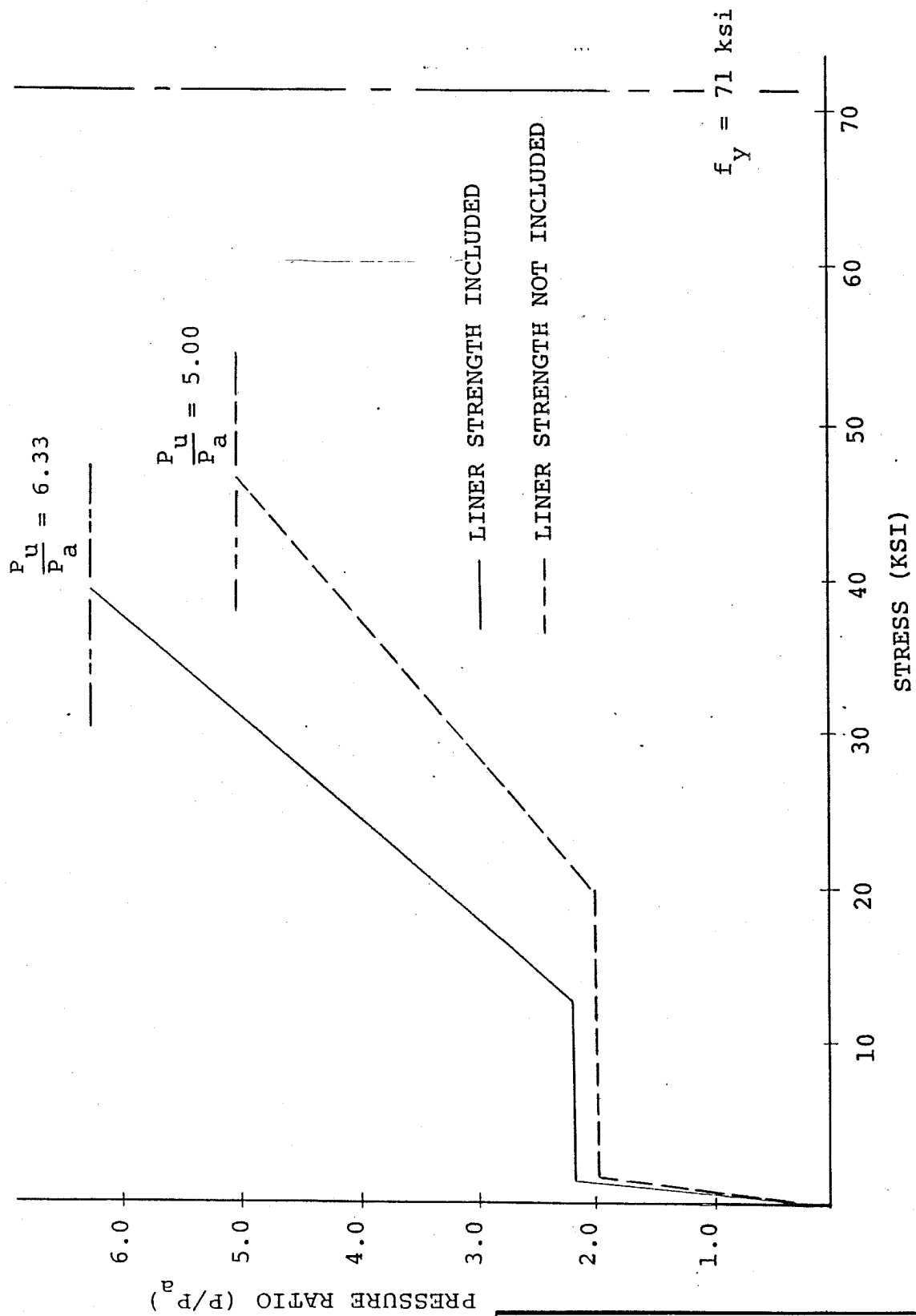
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FIGURE 3.8-42
PRESSURE RATIO VS.
MERIDIONAL STEEL STRESS
IN CONTAINMENT CYLINDER
(EL. 844 FT.)



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UPDATED SAFETY ANALYSIS REPORT

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



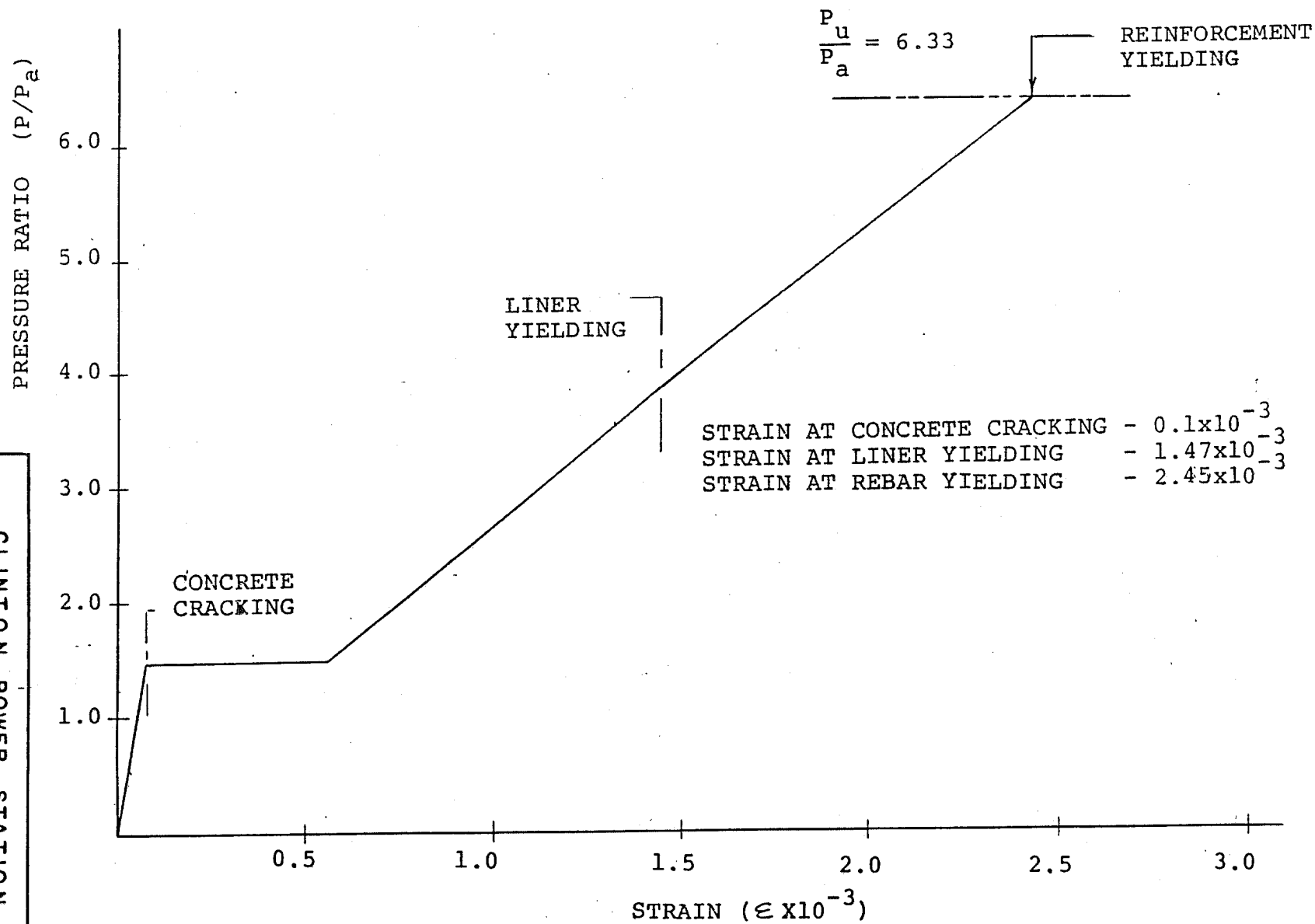
CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

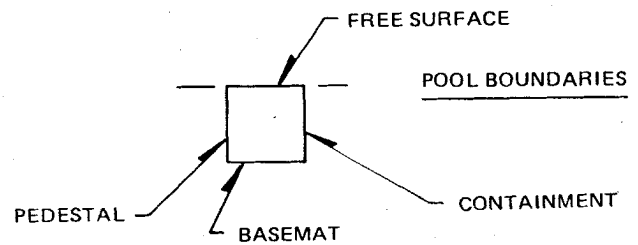
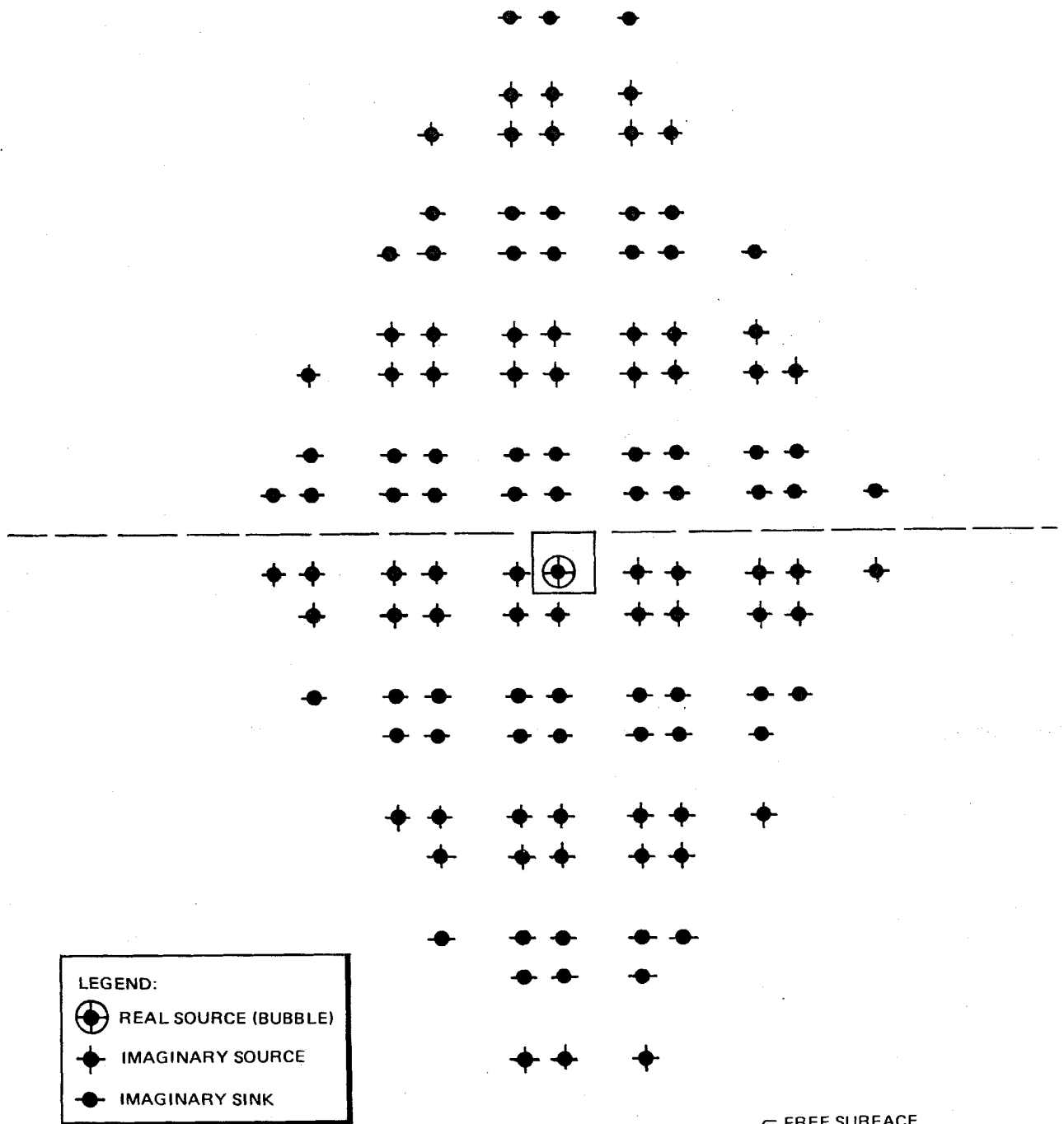
FIGURE 3.8-44
PRESSURE RATIO VS.
MERIDIONAL STEEL STRESS
IN CONTAINMENT DOME
(EL. 906 FT.)

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-45

PRESSURE RATIO VS.
MAXIMUM MEMBRANE HOOP
SECTION STRAIN IN LINER

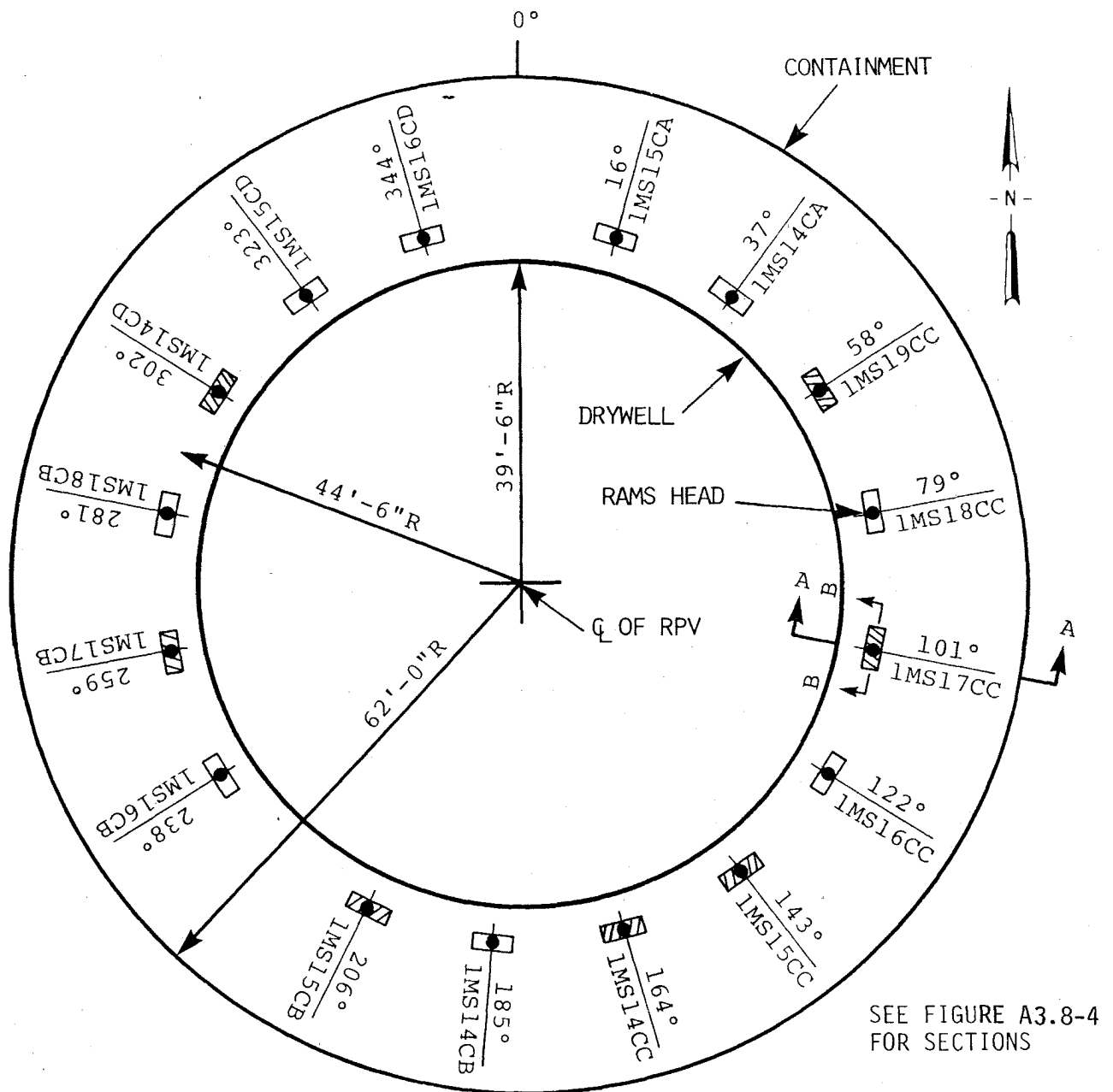




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FIGURE A3.8-1

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



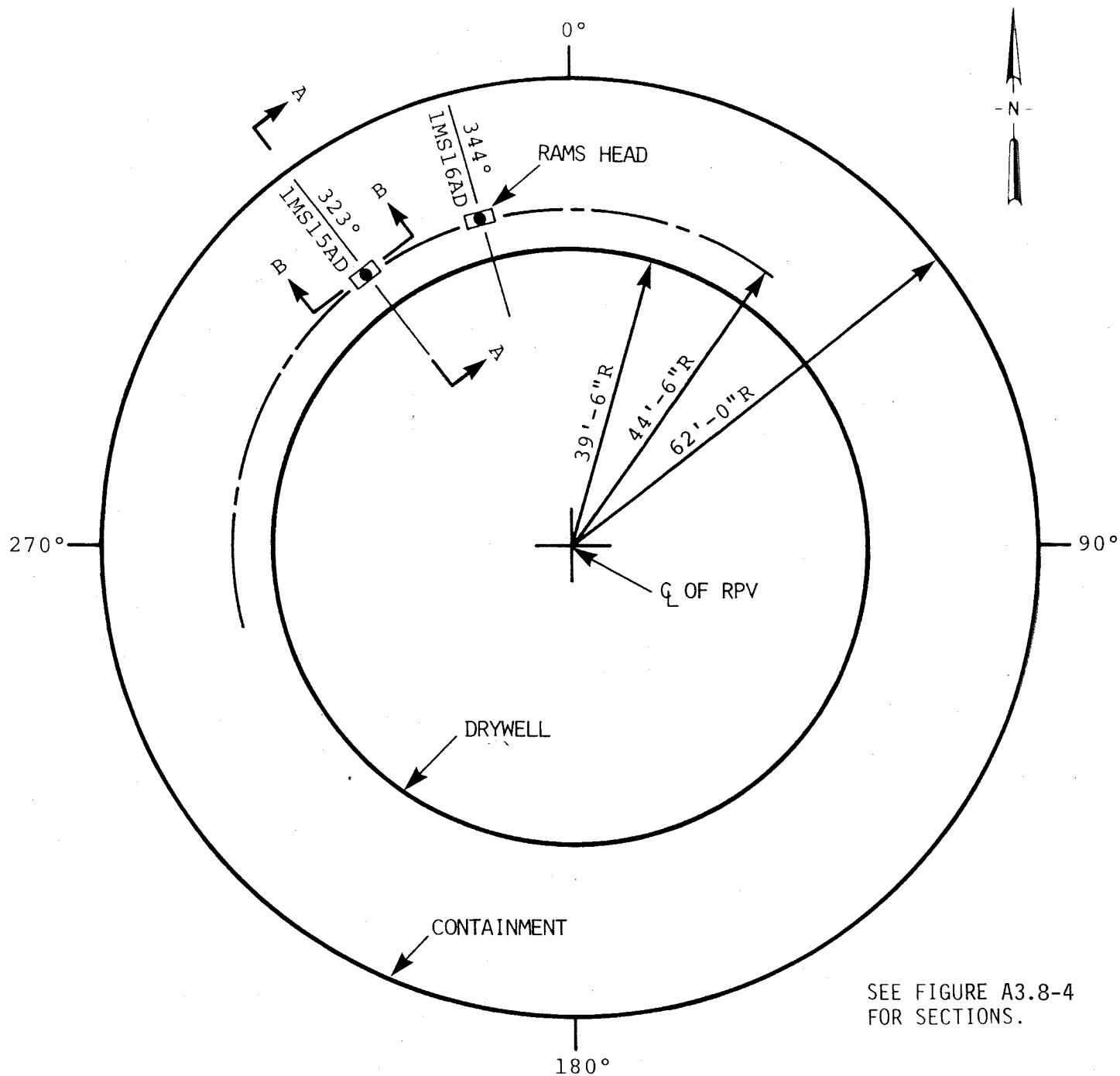
NOTES:

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



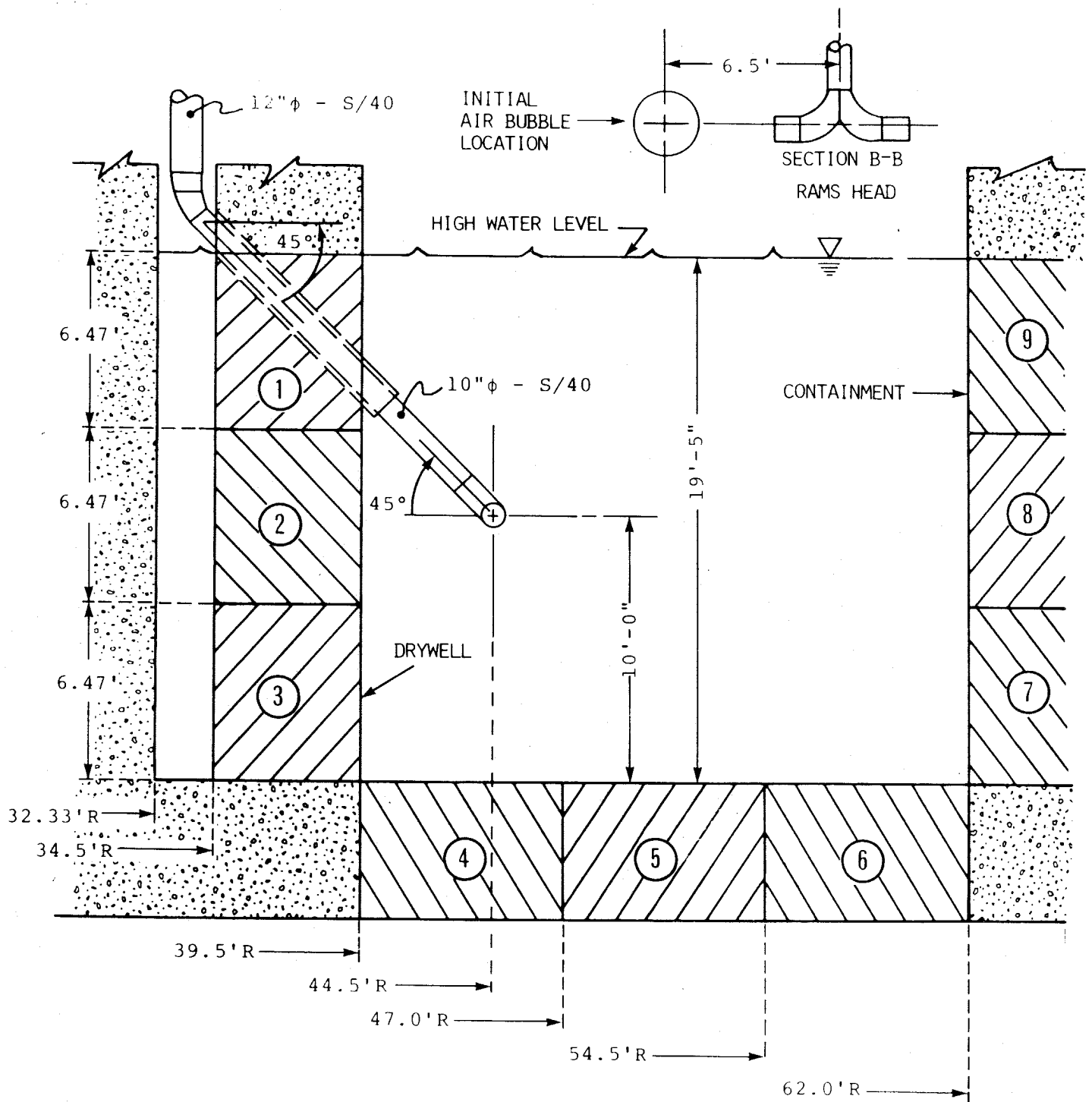
NOTES:

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

**CLINTON POWER STATION
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FIGURE A3.8-3

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

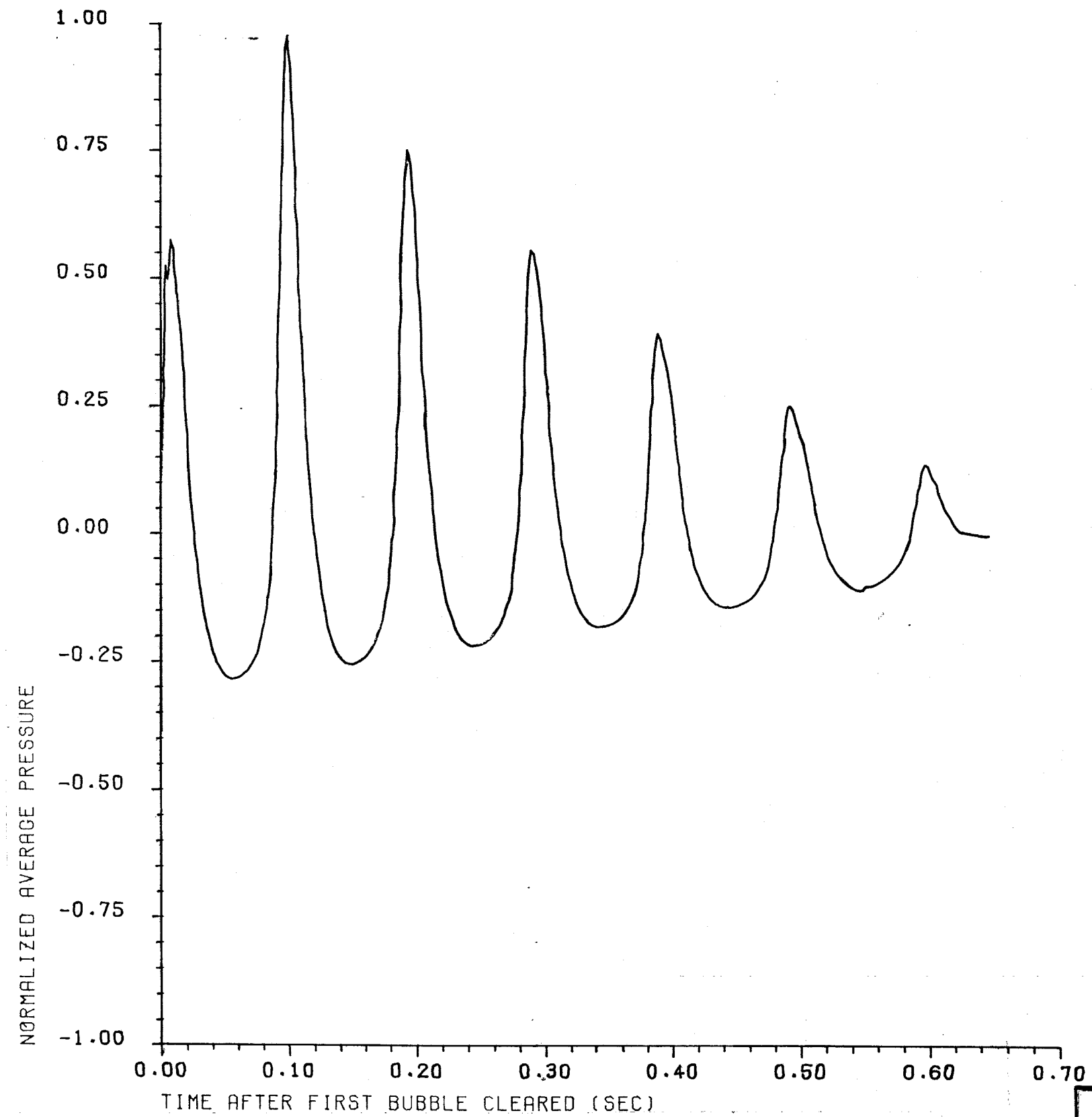


○ - ZONES FOR PRESSURE LOADING ON POOL BOUNDARY.

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FIGURE A3.8-4

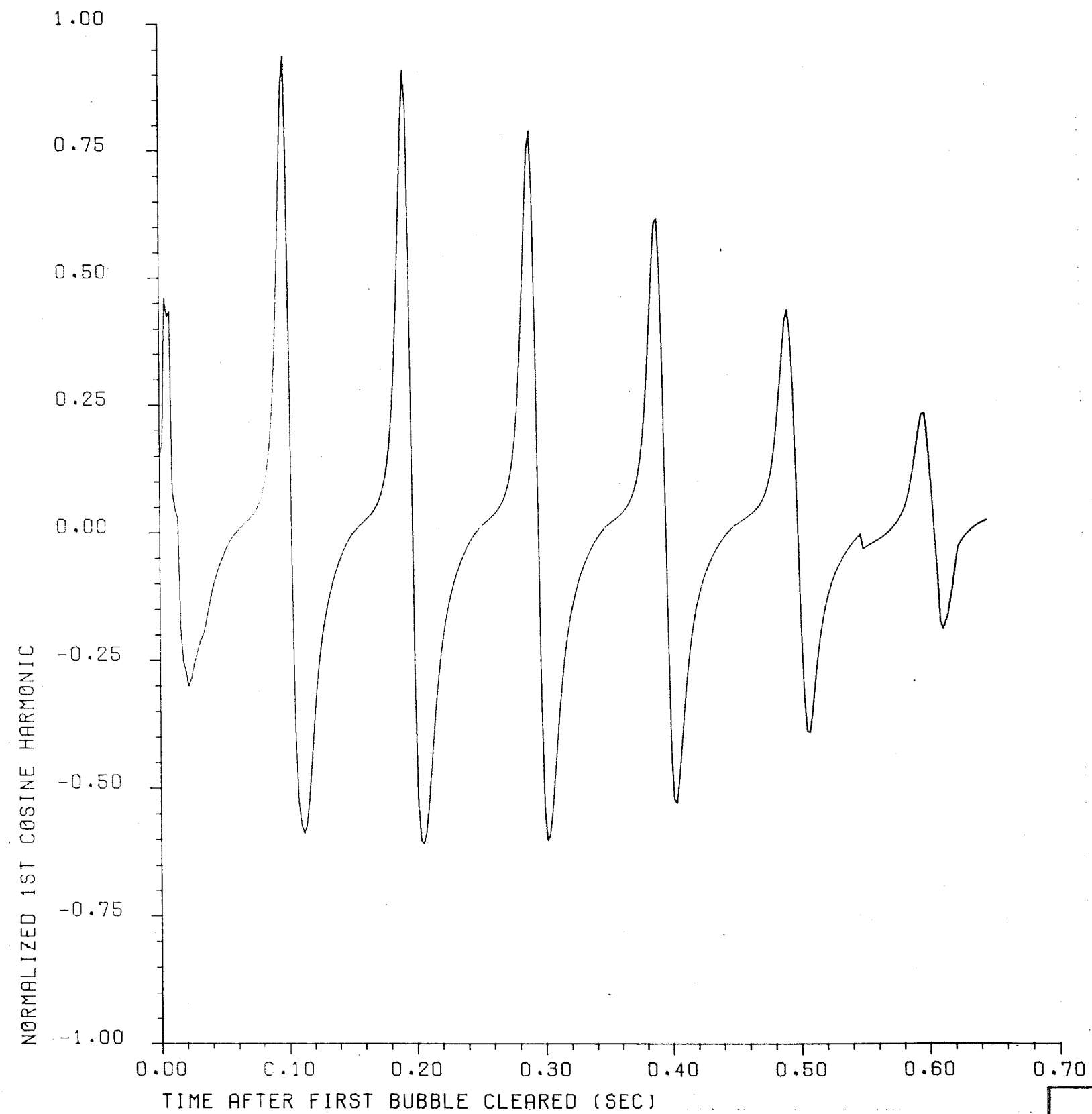
CROSS SECTION OF SUPPRESSION POOL



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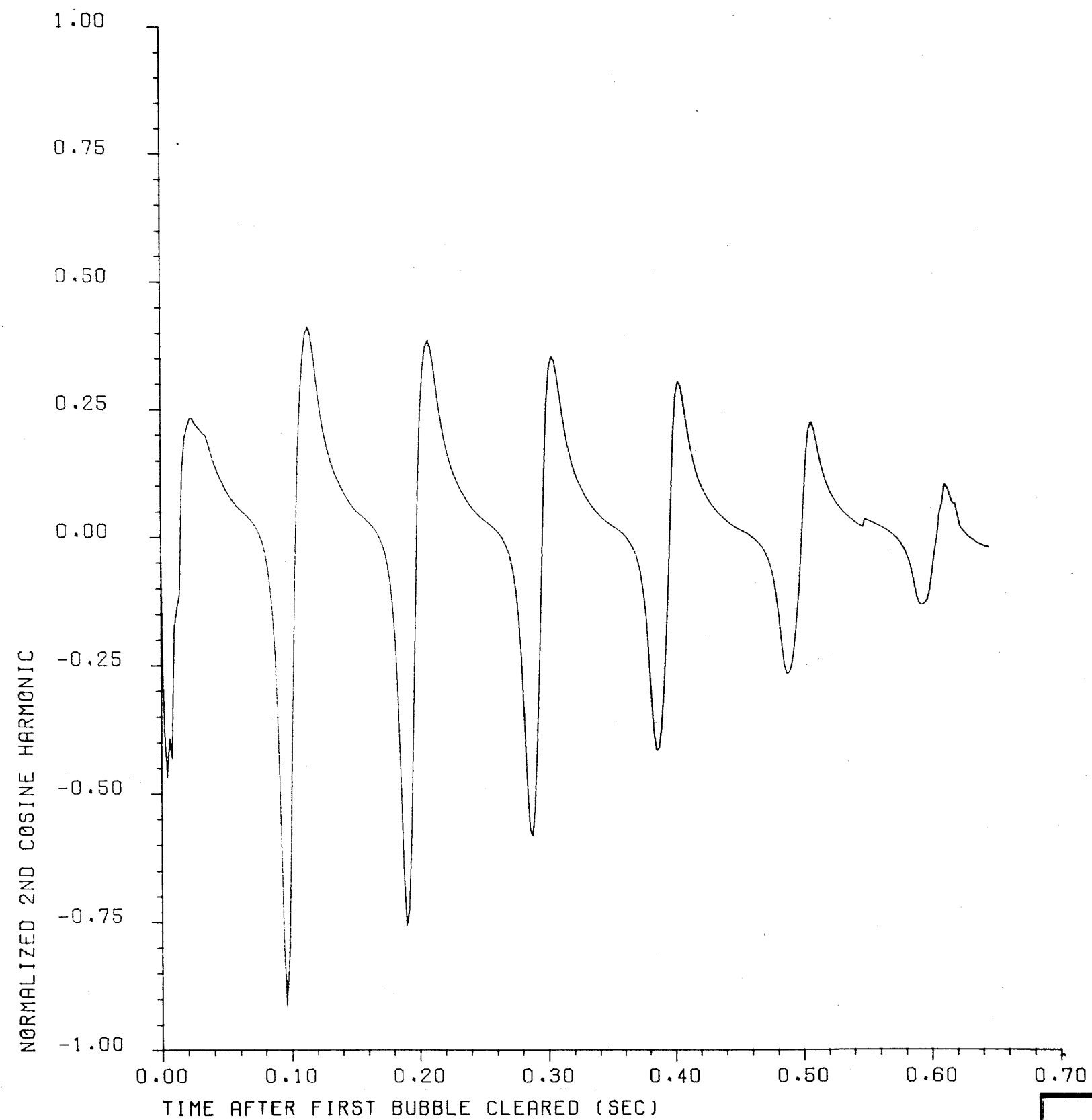
FIGURE A3.8-5

SYMMETRIC WALL LOADING
ZONE 4
NORMALIZED AVERAGE PRESSURE



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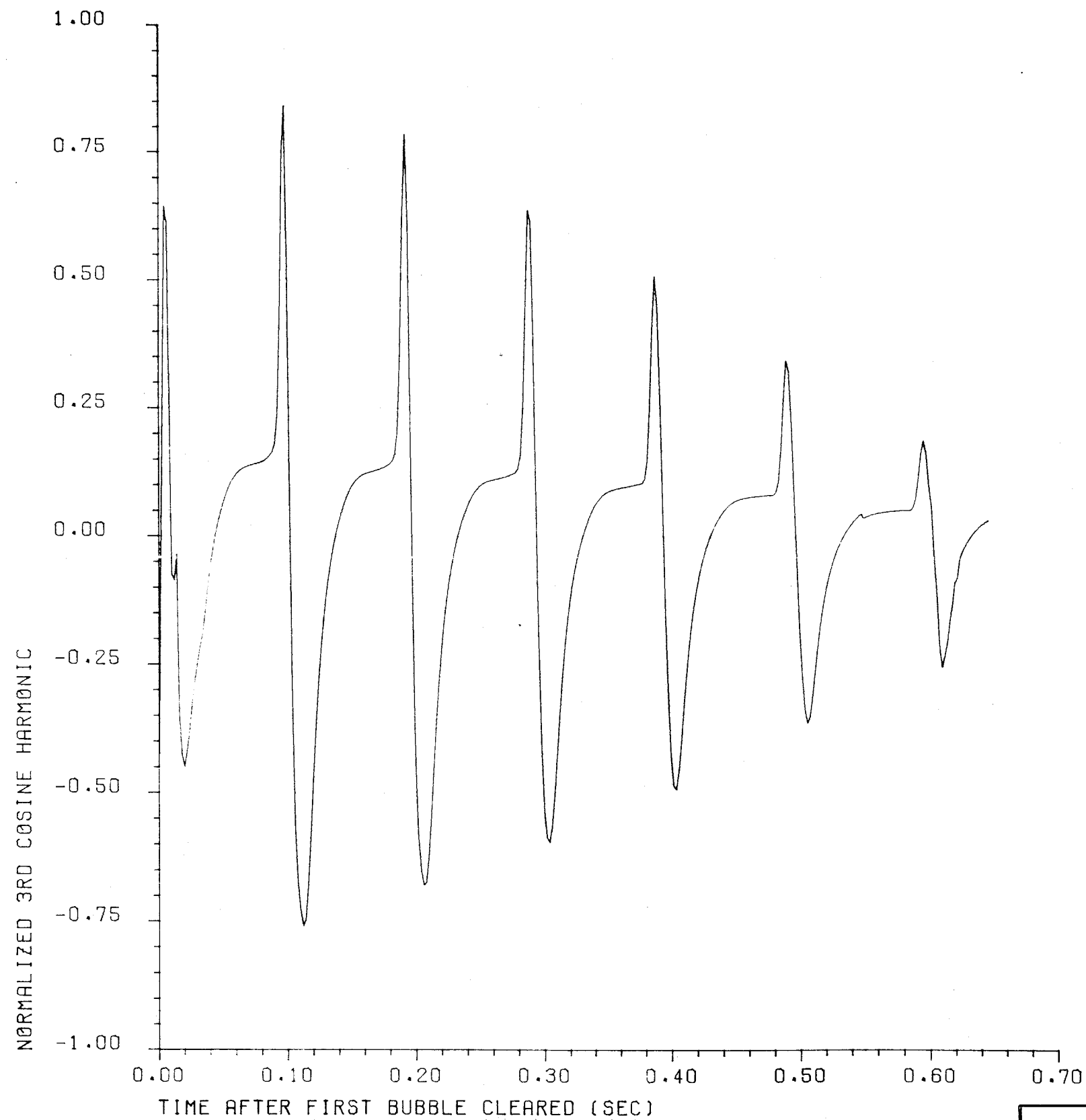
FIGURE A3.8-6
SYMMETRIC WALL LOADING
ZONE 4
NORMALIZED 1st COSINE HARMONIC



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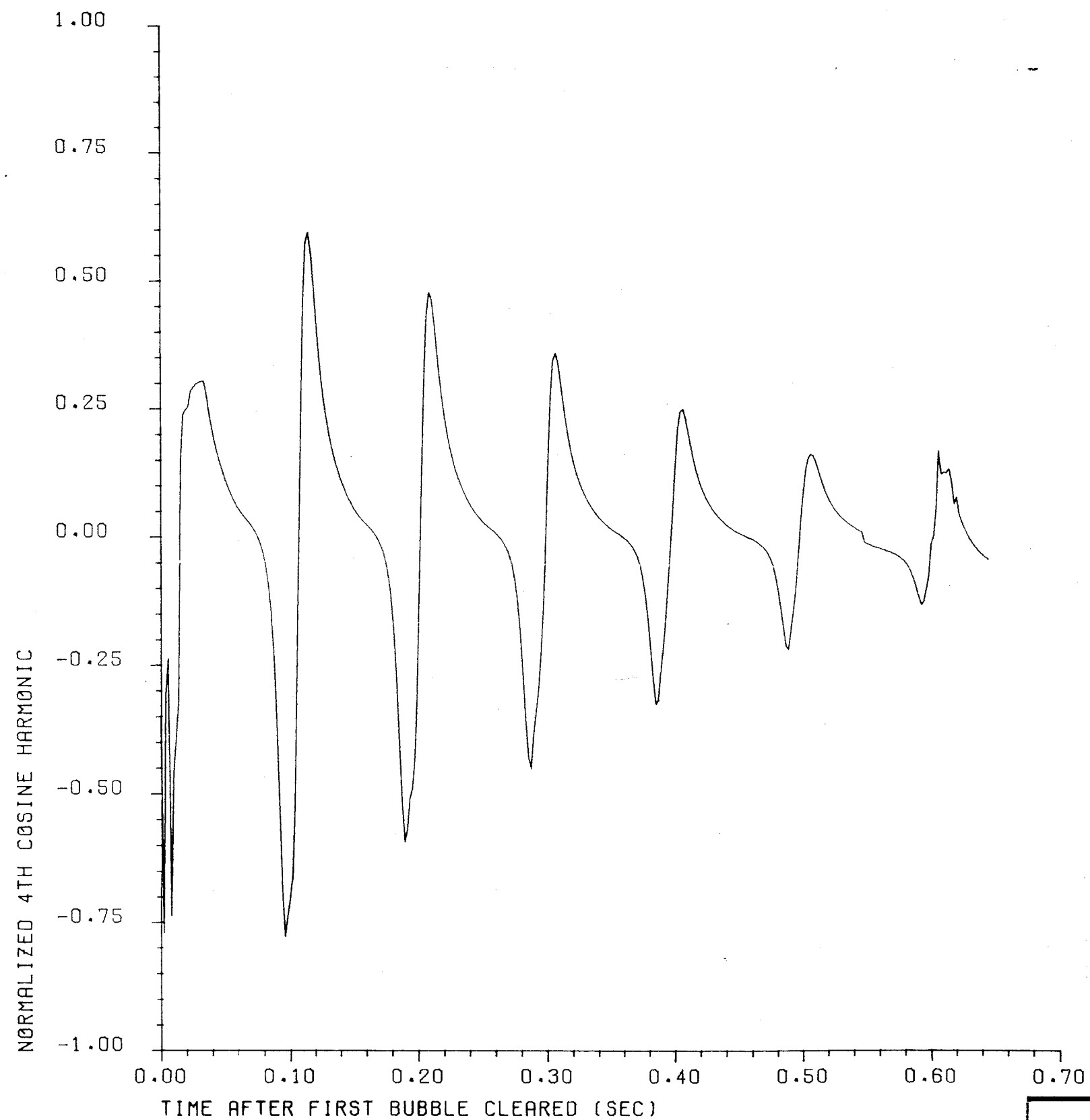
FIGURE A3.8-7

SYMMETRIC WALL LOADING
ZONE 4
NORMALIZED 2nd COSINE HARMONIC



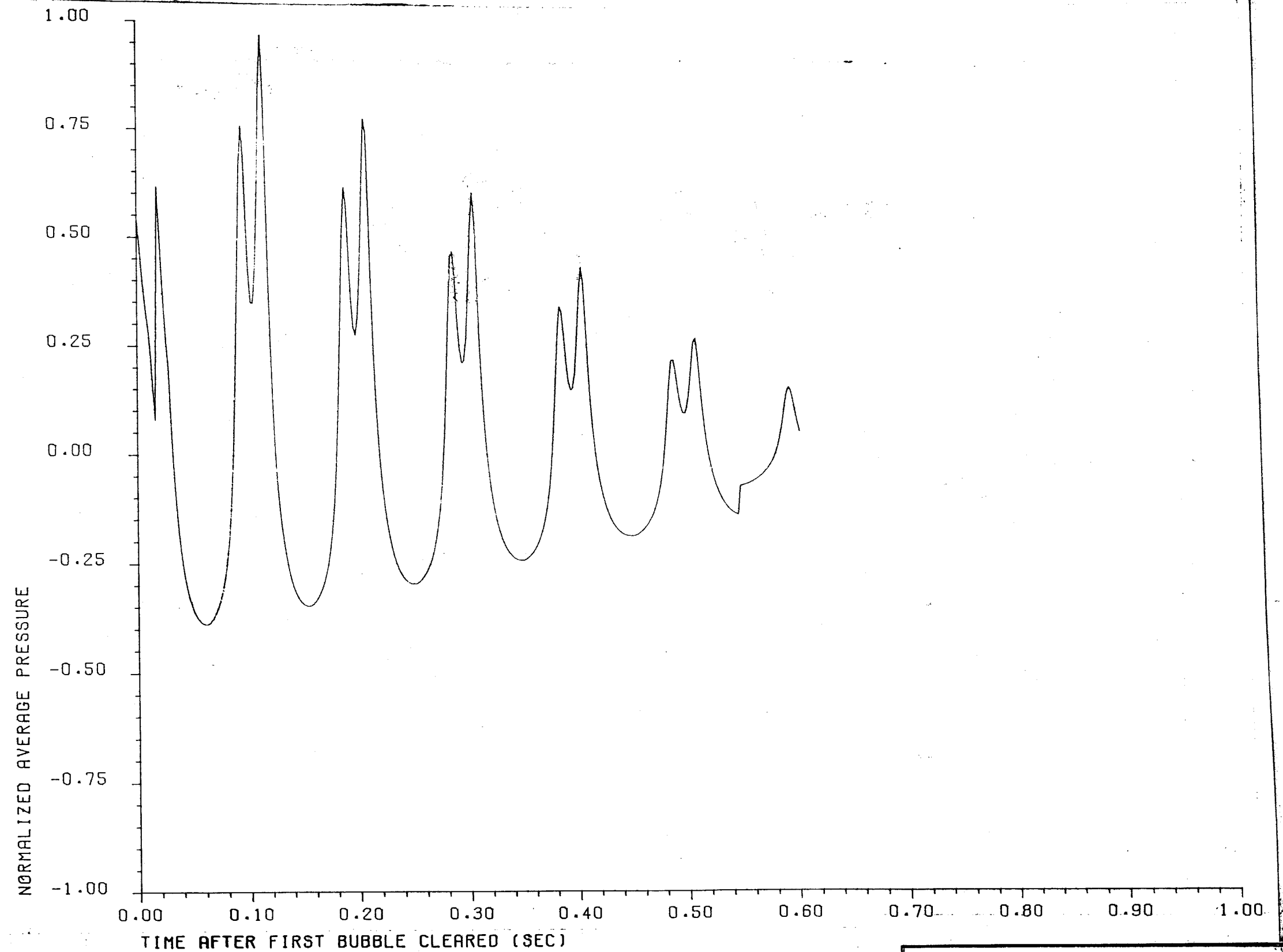
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FIGURE A3.8-8
SYMMETRIC WALL LOADING
ZONE 4
NORMALIZED 3rd COSINE HARMONIC



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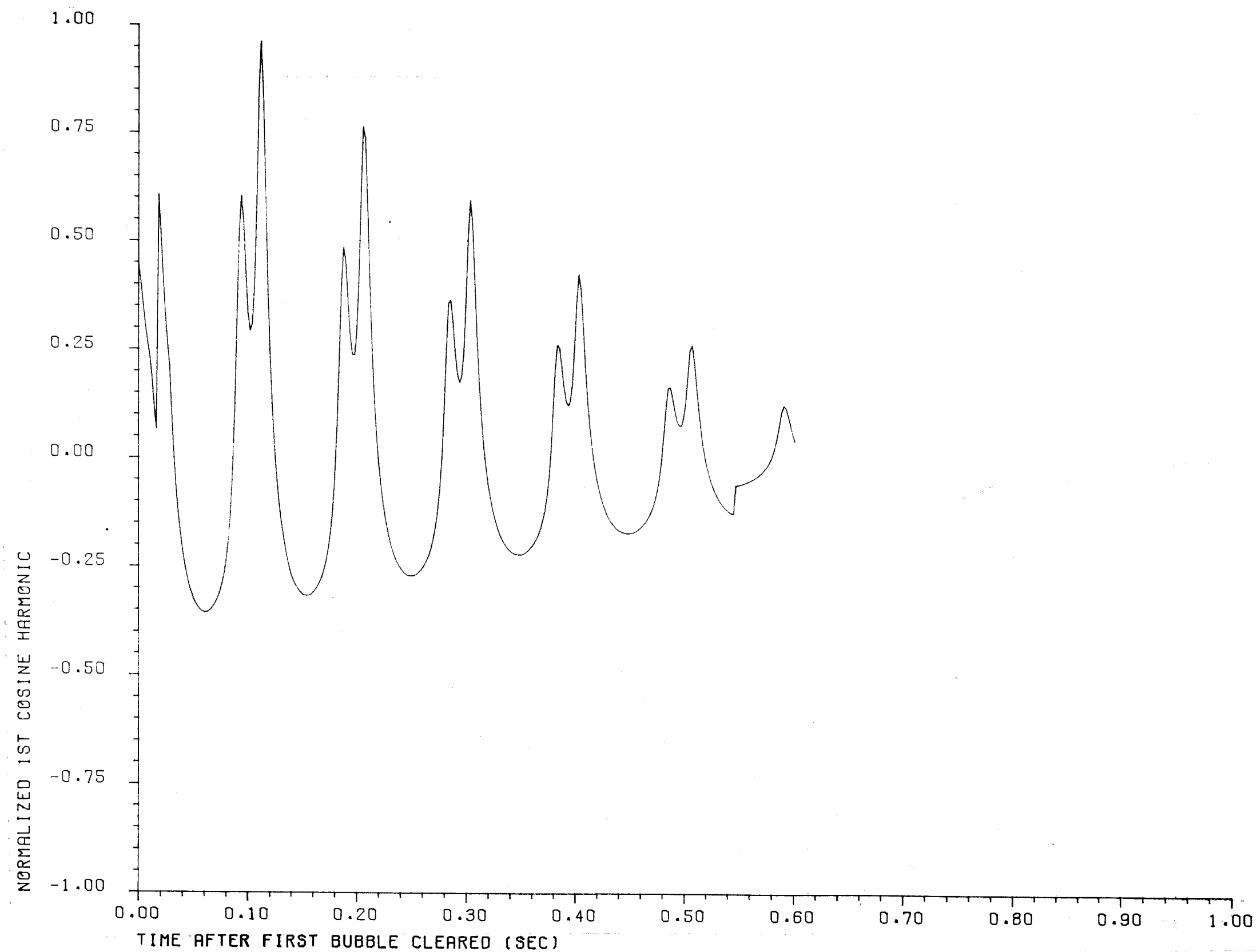
FIGURE A3.8-9
SYMMETRIC WALL LOADING
ZONE 4
NORMALIZED 4th COSINE HARMONIC



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UPDATED SAFETY ANALYSIS REPORT

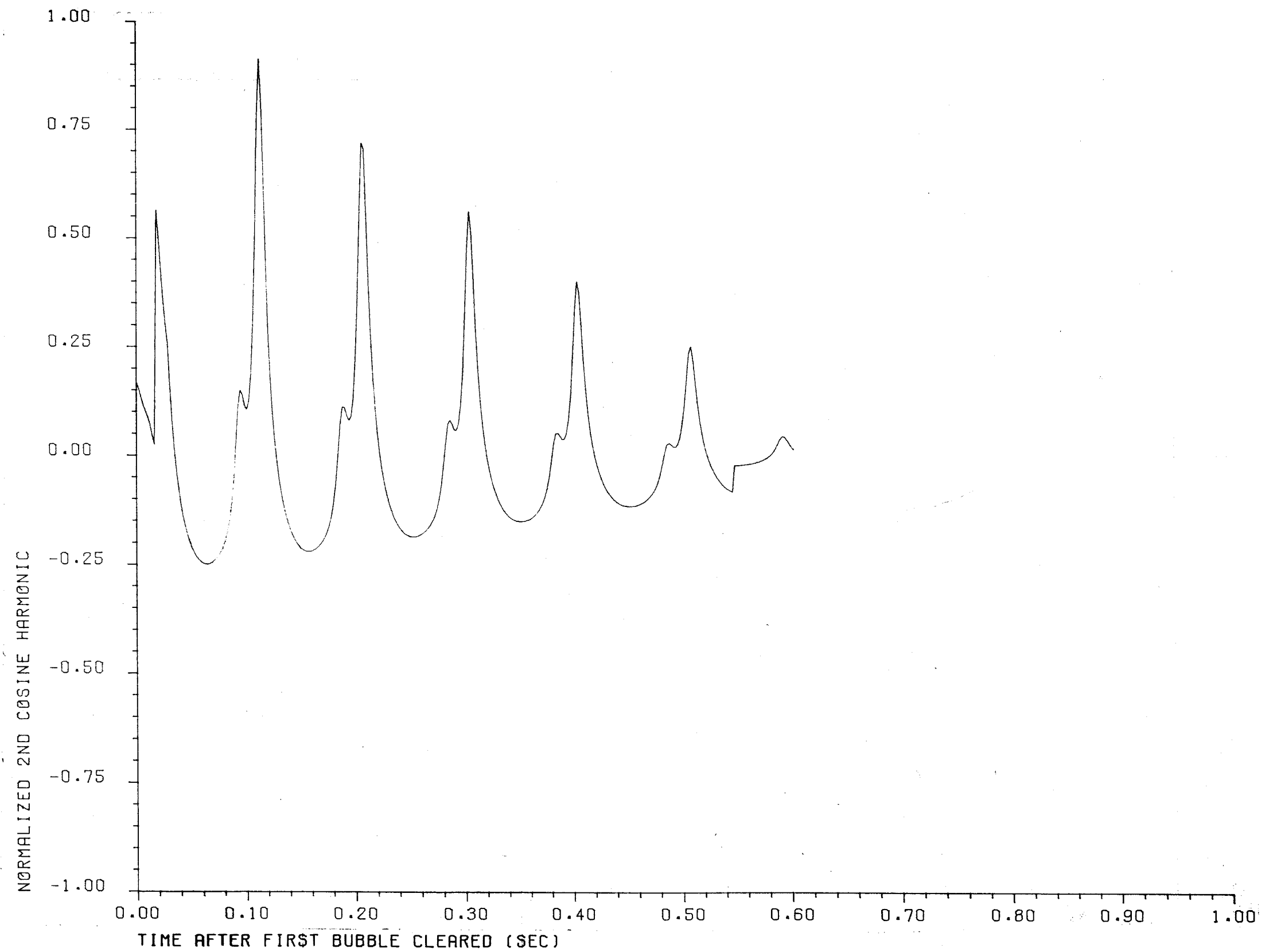
FIGURE A3.8-10

ASYMMETRIC DISCHARGE WALL LOADING
ZONE 4
NORMALIZED AVERAGE PRESSURE



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UPDATED SAFETY ANALYSIS REPORT

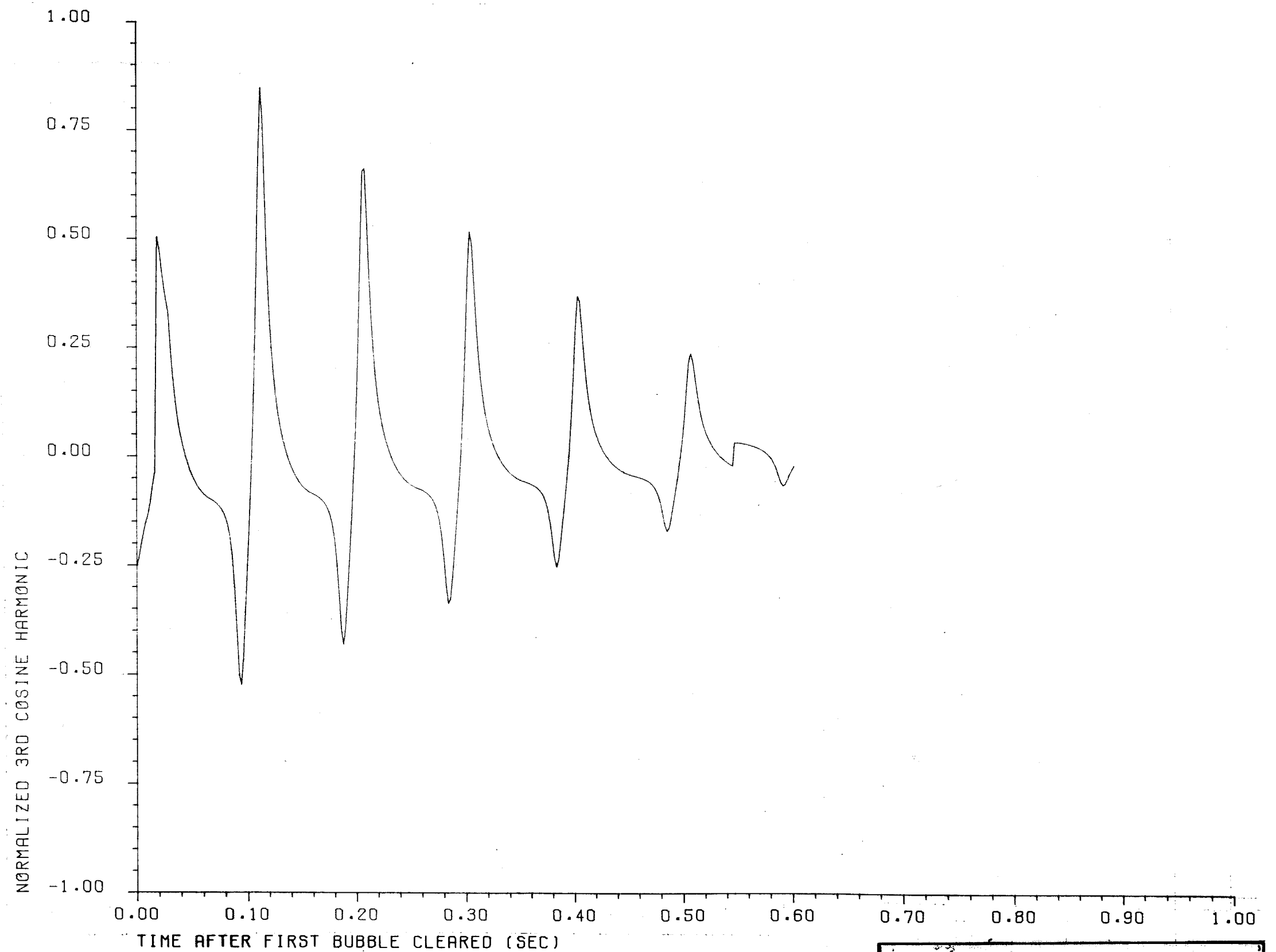
FIGURE A3.8-11
ASYMMETRIC DISCHARGE WALL LOADING
ZONE 4
NORMALIZED 1st COSINE HARMONIC



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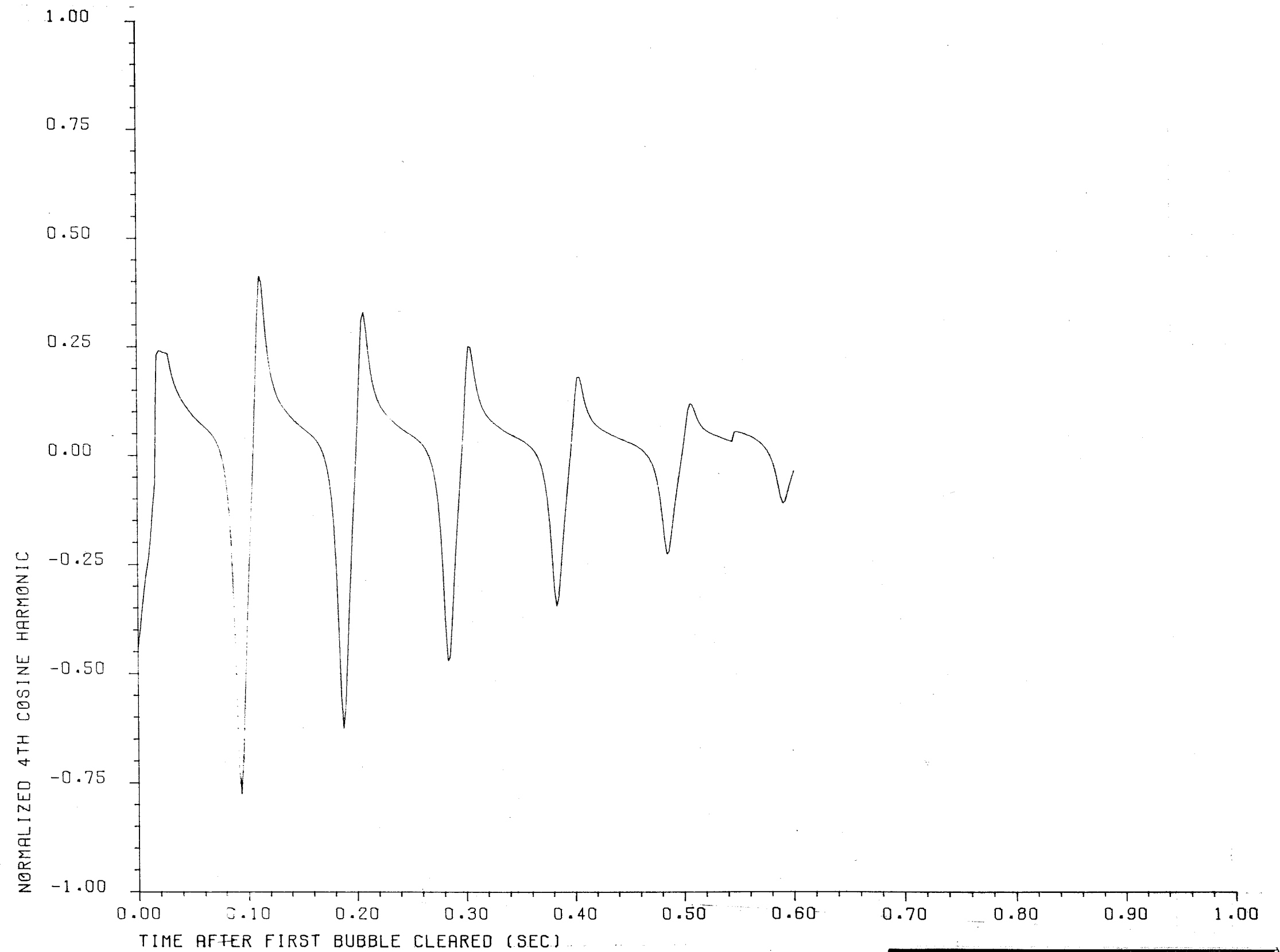
FIGURE A3.8-12

ASYMMETRIC DISCHARGE WALL LOADING
ZONE 4
NORMALIZED 2nd COSINE HARMONIC



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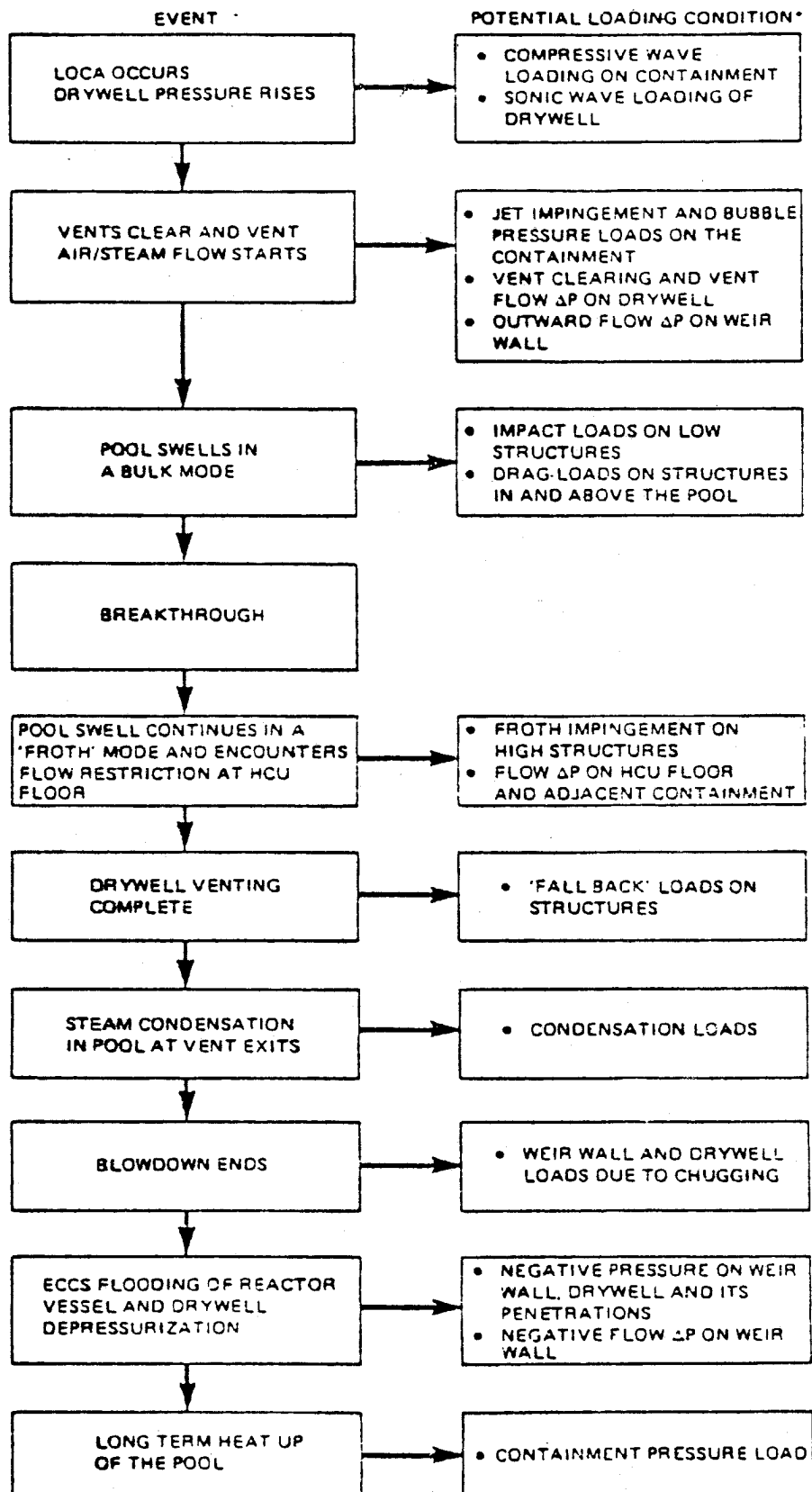
FIGURE A3.8-13
ASYMMETRIC DISCHARGE WALL LOADING
ZONE 4
NORMALIZED 3rd COSINE HARMONIC



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FIGURE A3.8-14

ASYMMETRIC DISCHARGE WALL LOADING
ZONE 4
NORMALIZED 4th COSINE HARMONIC

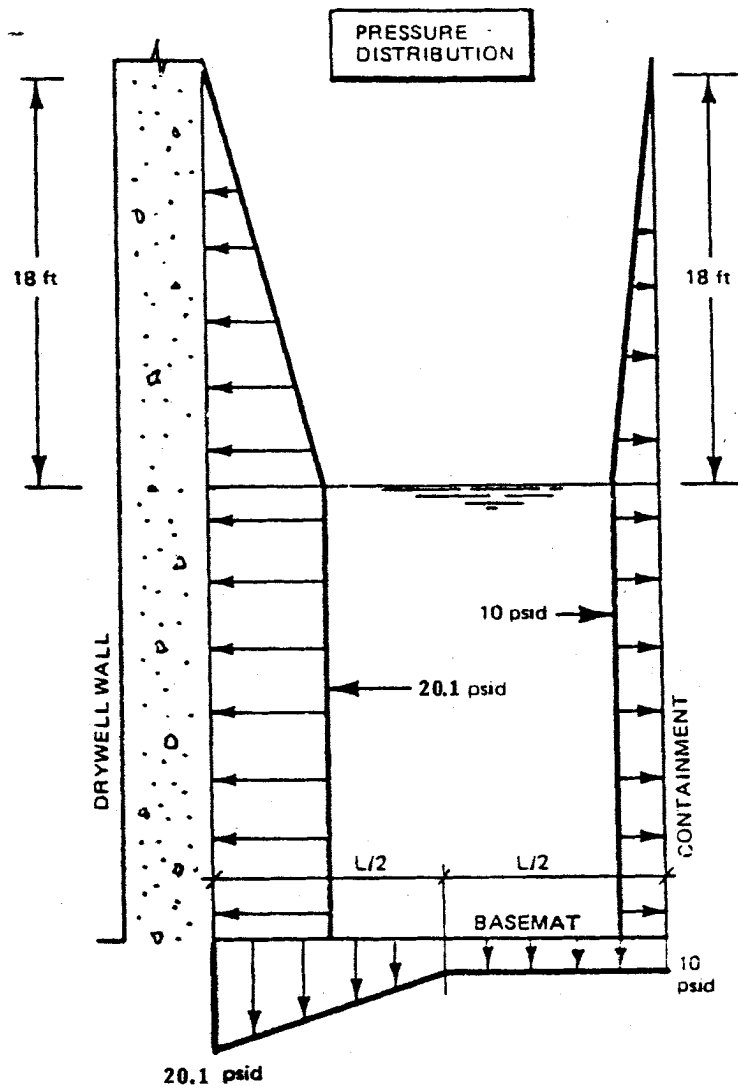


*ALL POTENTIAL LOCA DYNAMIC LOADS ARE IDENTIFIED, BUT ALL ARE NOT SIGNIFICANT (SEE TEXT FOR DETAILS)

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FIGURE A3.8-15

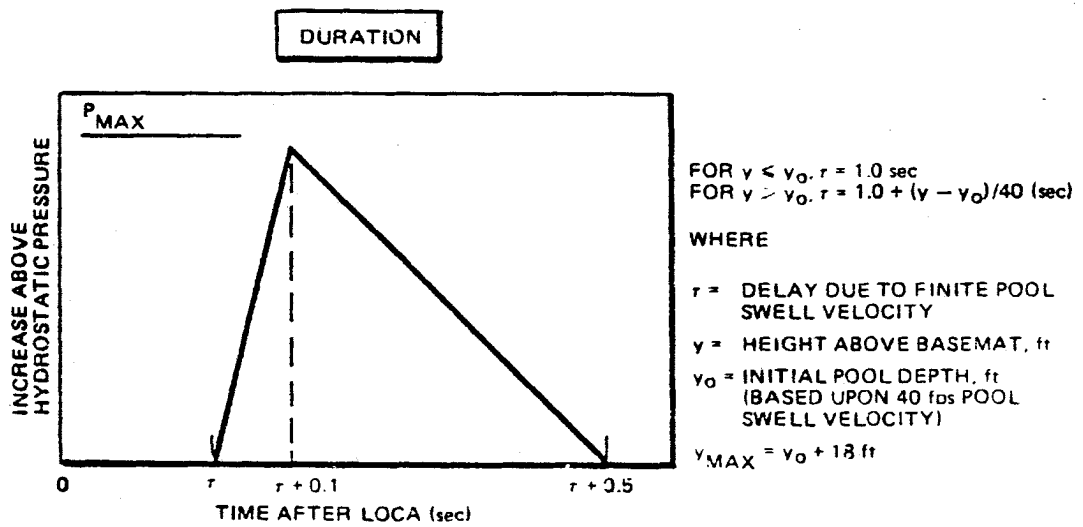
LOSS-OF-COOLANT
ACCIDENT CHRONOLOGY (DBA)



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FIGURE A3.8-16

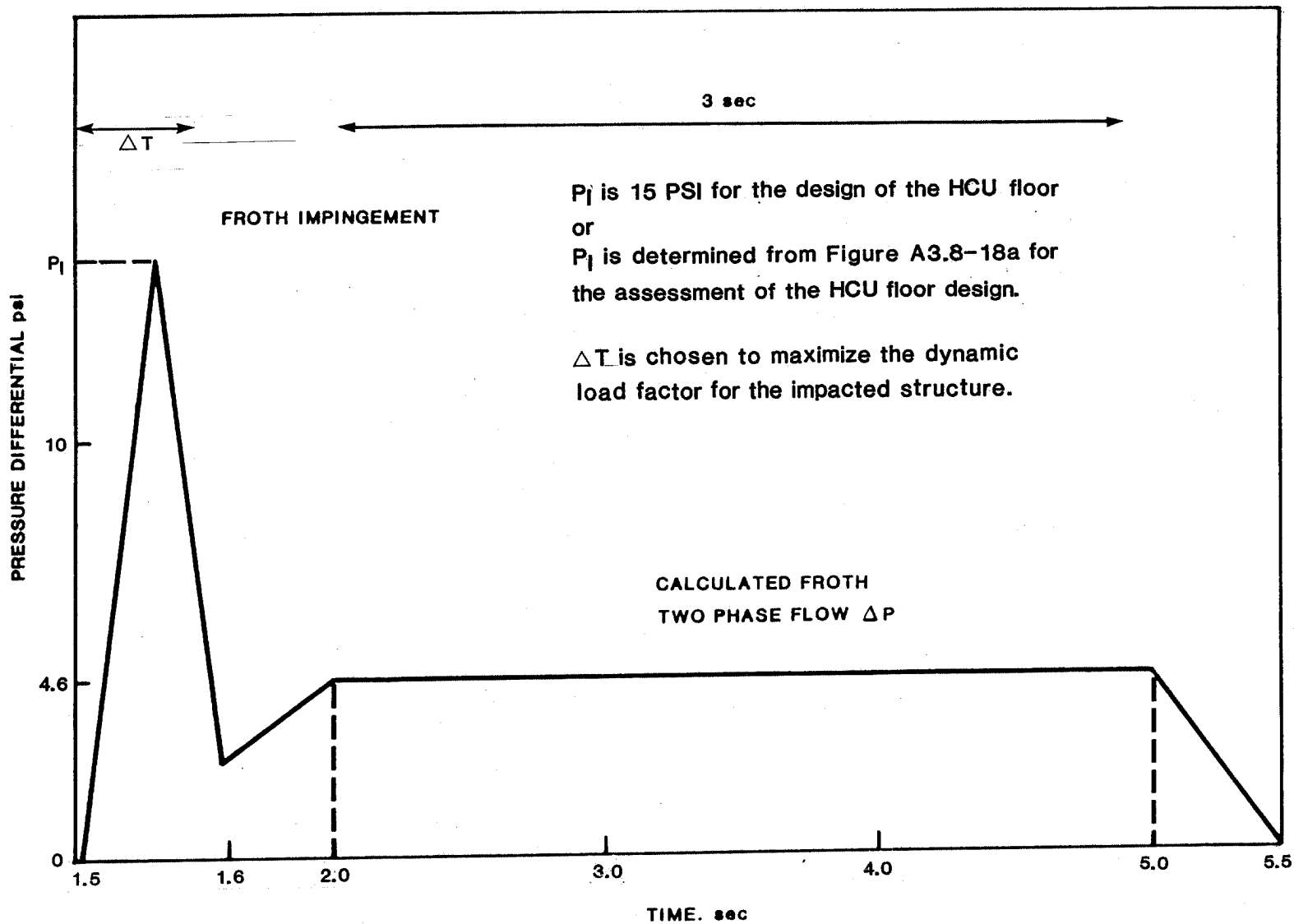
PRESSURE DISTRIBUTION ON SUPPRESSION
POOL WETTED SURFACE



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FIGURE A3.8-17

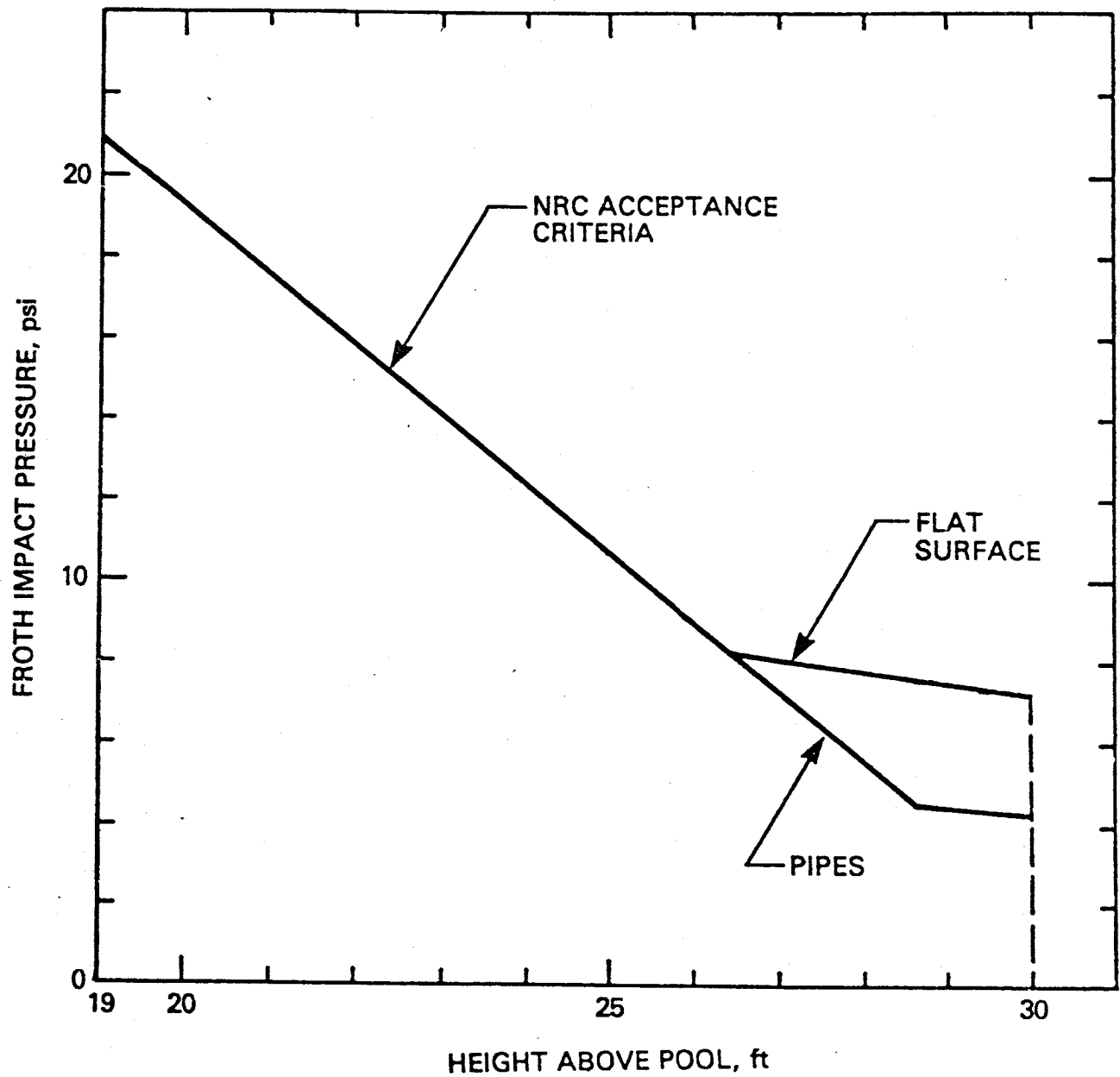
DYNAMIC LOADS ASSOCIATED WITH INITIAL
 BUBBLE FORMATION IN THE POOL



**CLINTON POWER STATION
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FIGURE A3.8-18

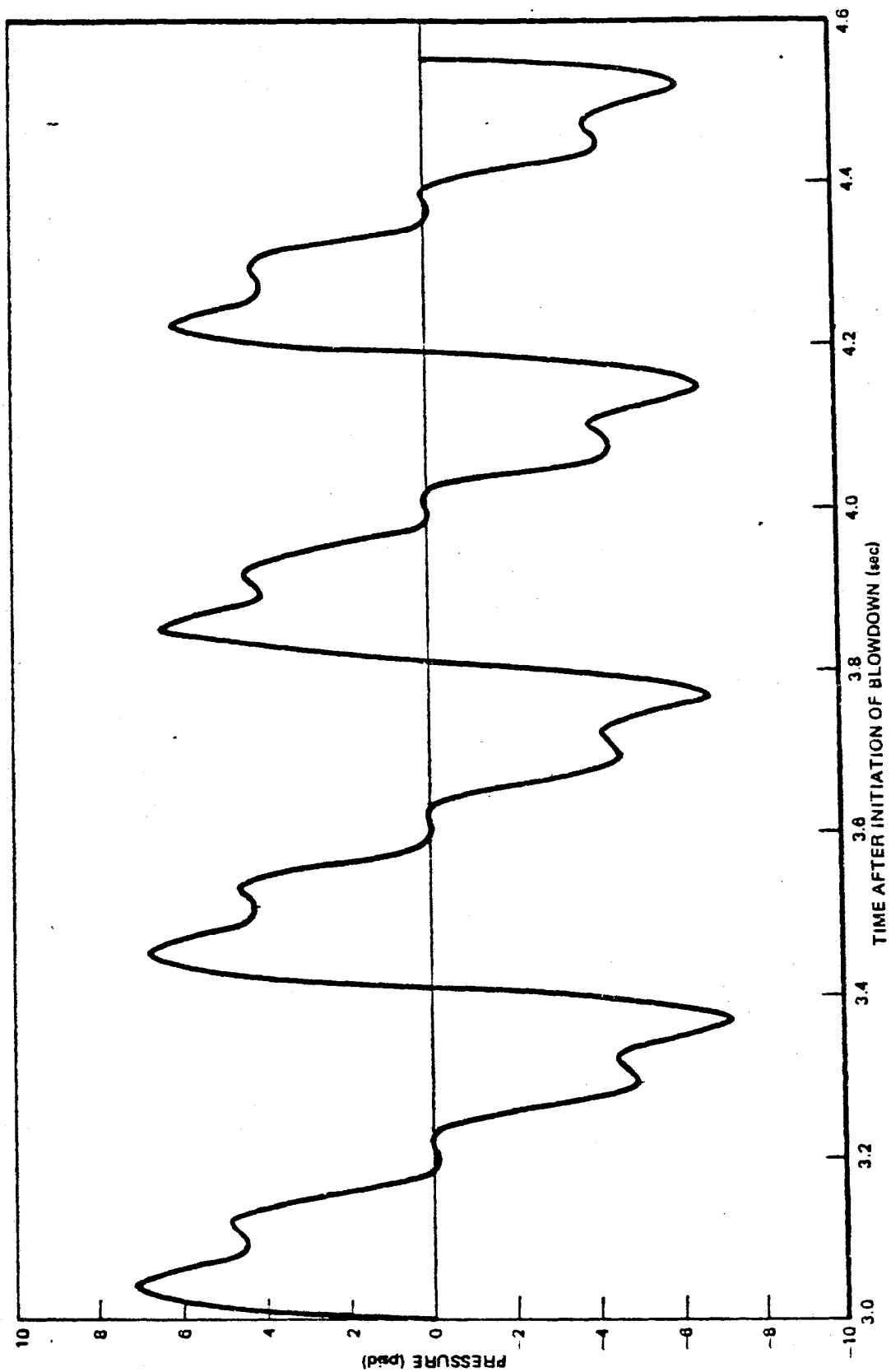
LOADS AT HCU FLOOR ELEVATION DUE TO POOL
 SWELL FROTH IMPACT AND TWO PHASE FLOW



**CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT**

FIGURE A3.8-18a

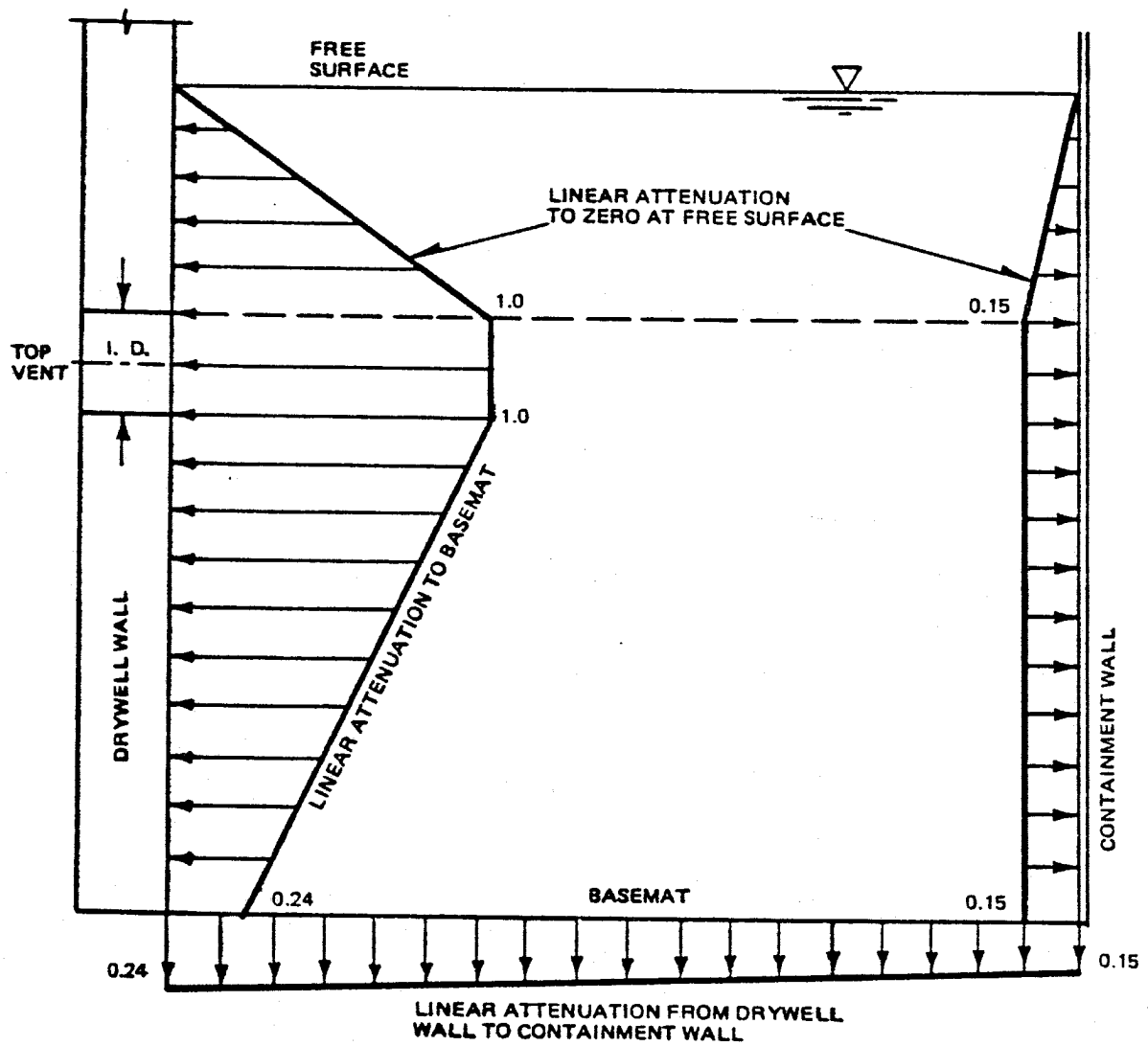
NRC ACCEPTANCE CRITERIA FOR FROTH
IMPACT: PEAK AMPLITUDE OF PRESSURE PULSE



**CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT**

FIGURE A3.8-19

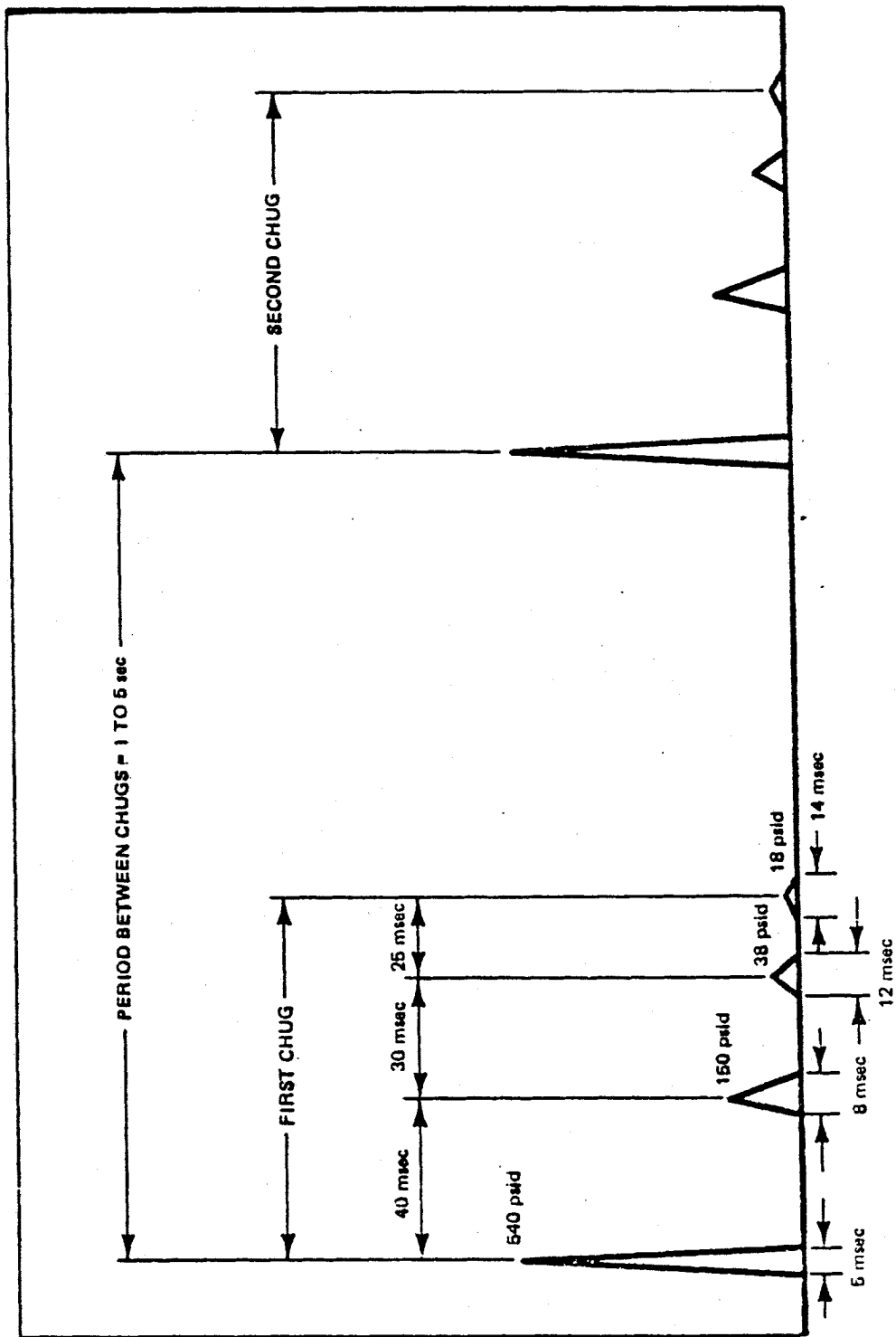
CONDENSATION OSCILLATION FORCING
FUNCTION ON THE DRYWELL WALL O.D.
ADJACENT THE TOP VENT



CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-20

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

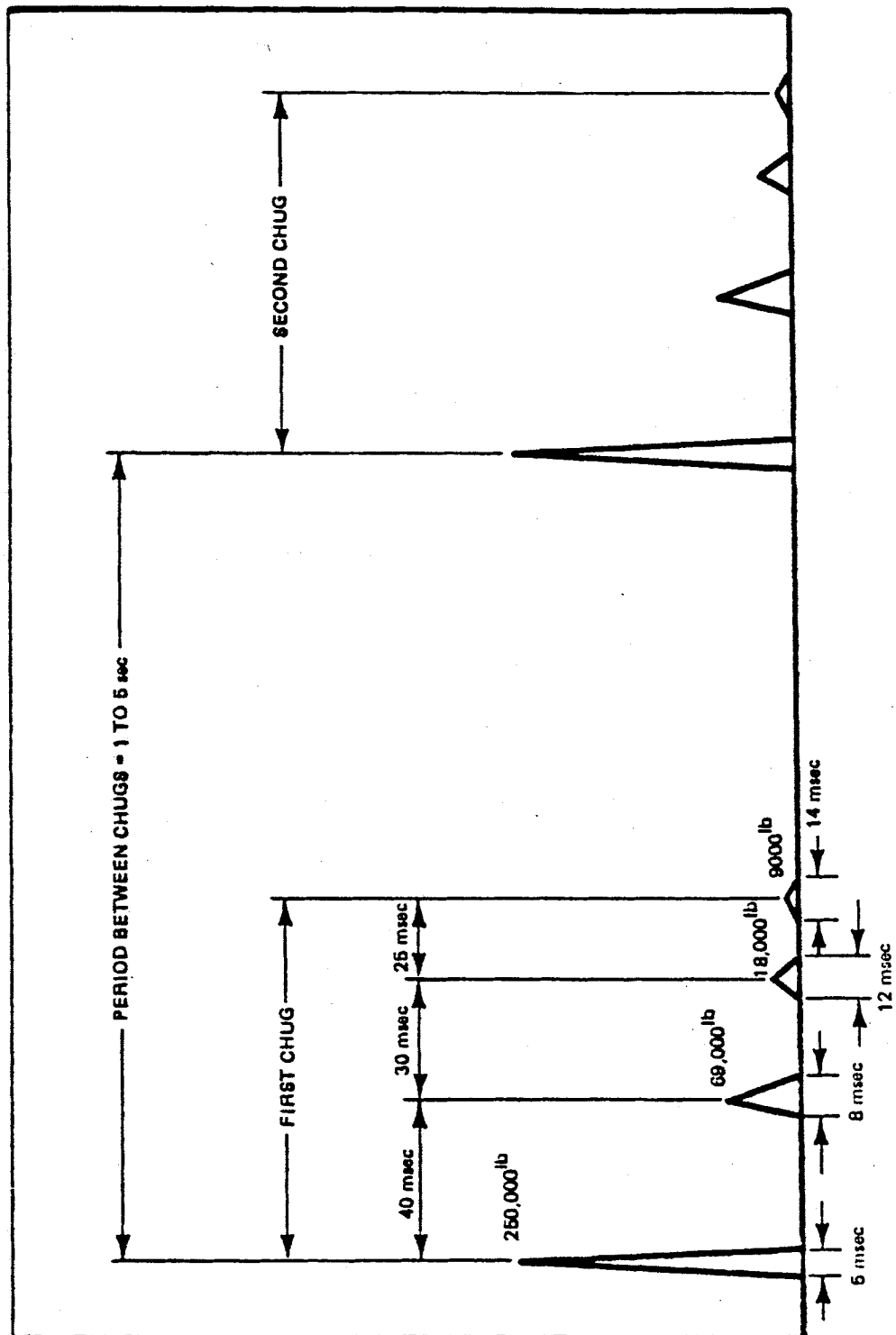


AMPLITUDE (psid)

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-21

PEAK PRESSURE PULSE TRAIN IN TOP
VENT DURING CHUGGING

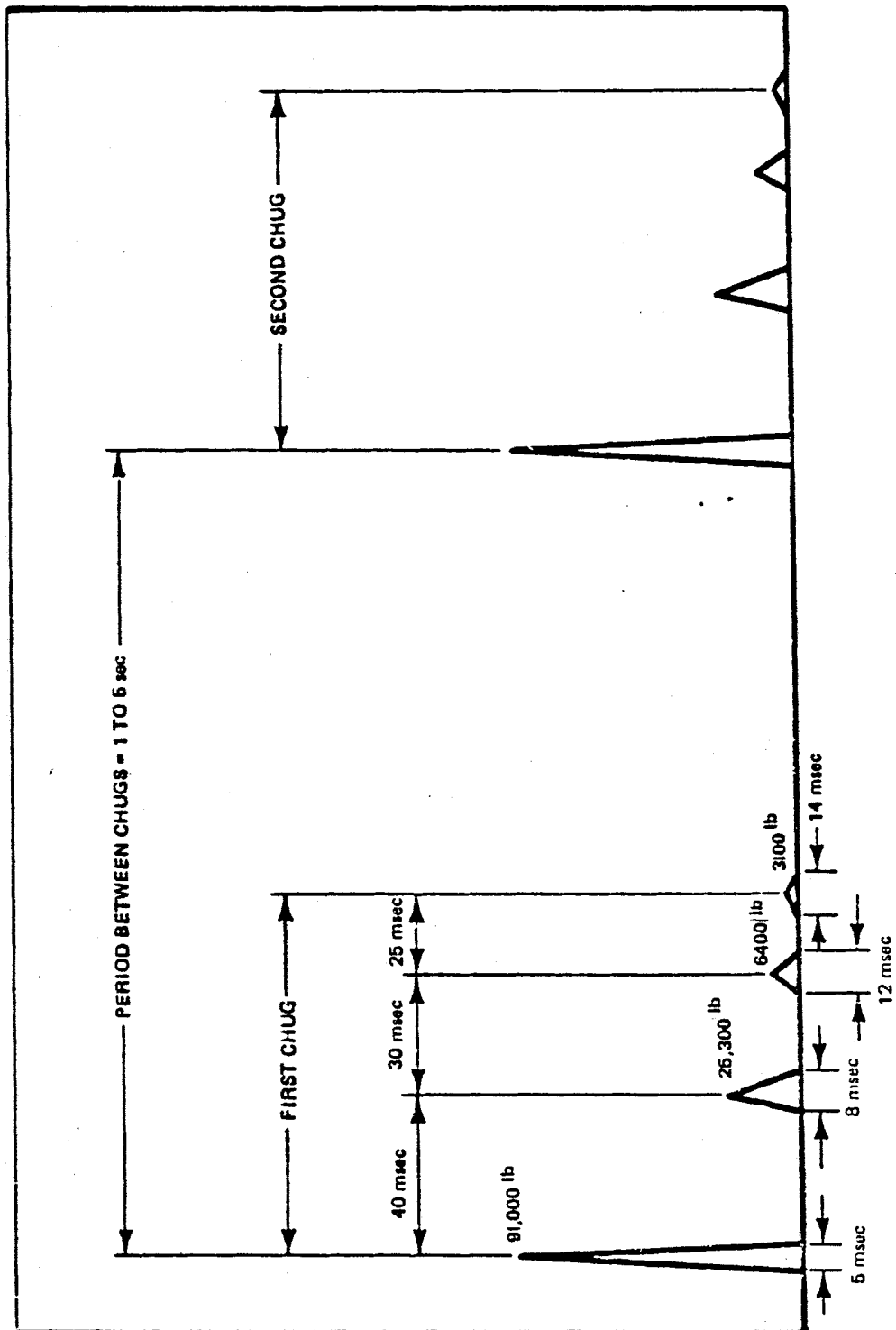


AMPLITUDE (lb)

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-22

PEAK FORCE PULSE TRAIN IN TOP
VENT DURING CHUGGING

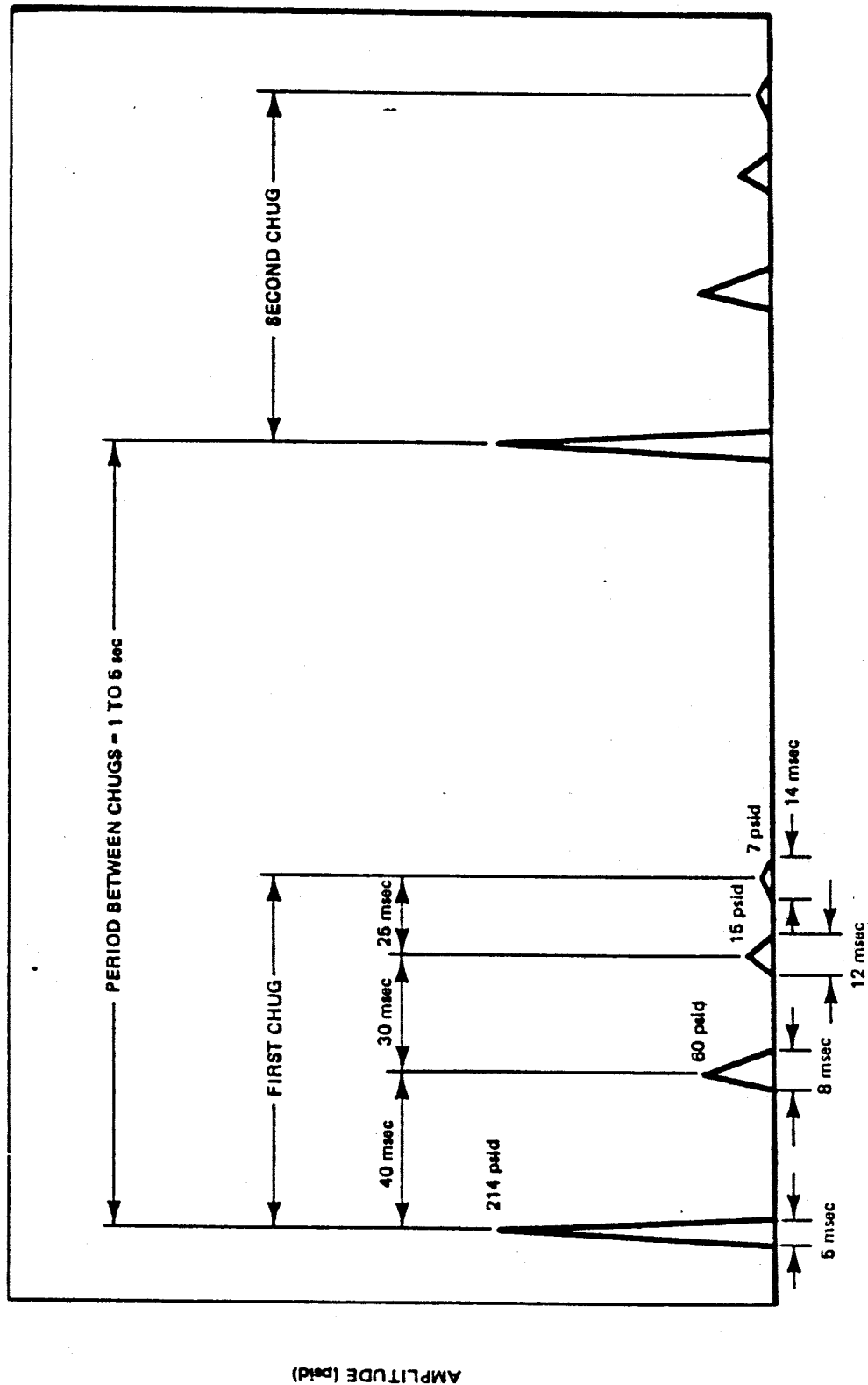


AMPLITUDE (lb)

CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-23

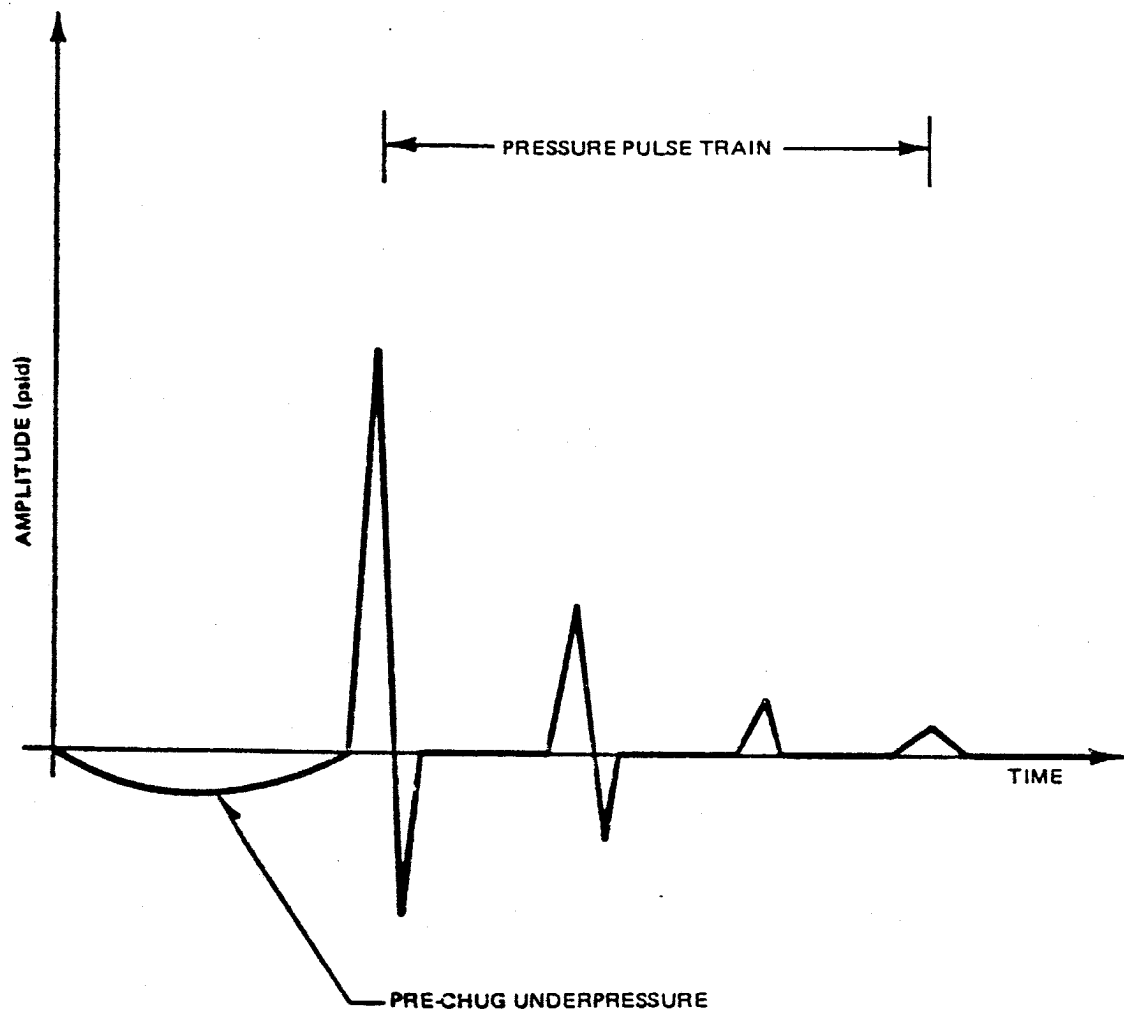
AVERAGE FORCE PULSE TRAIN IN TOP
VENT DURING CHUGGING



CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-24

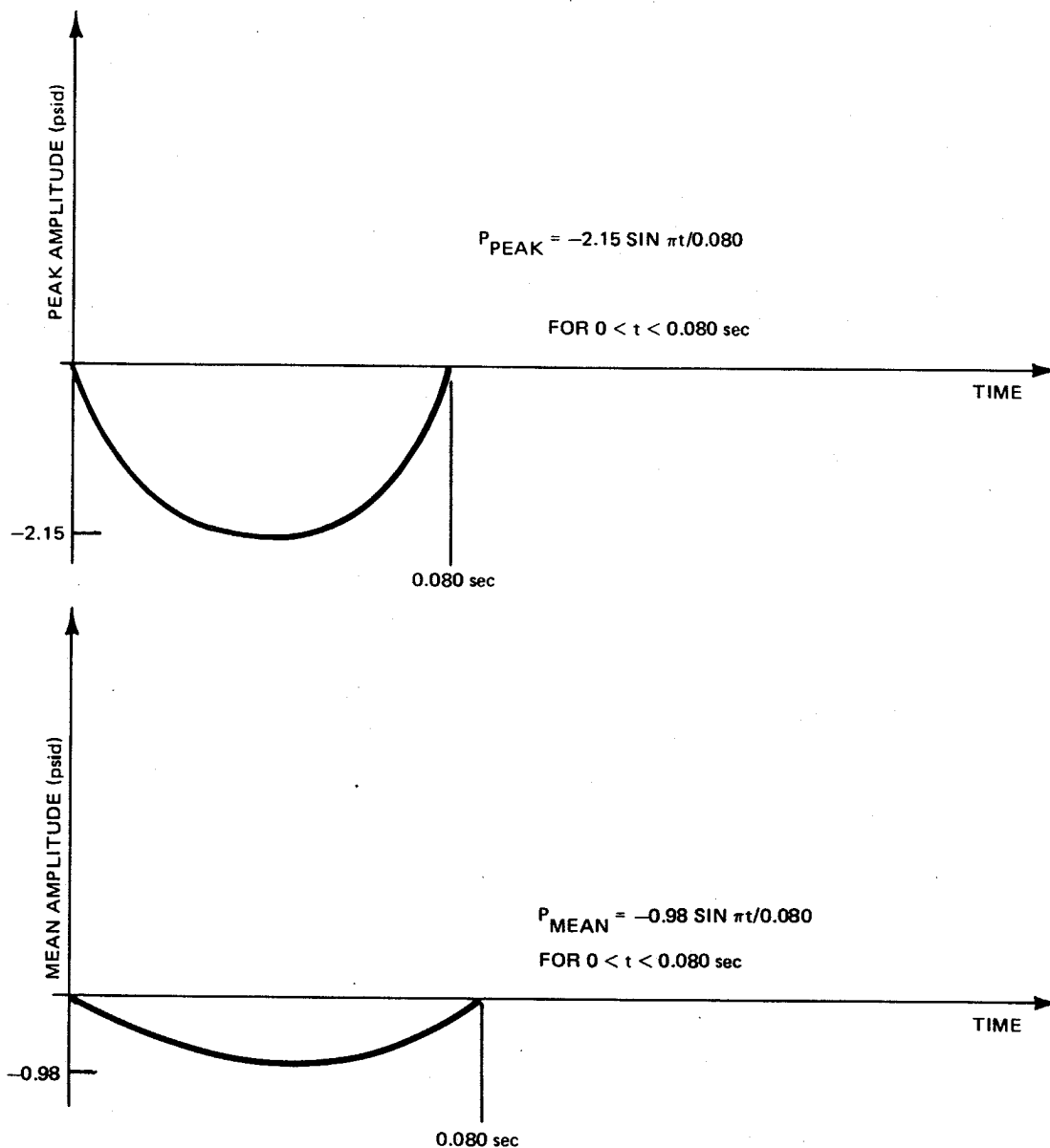
AVERAGE PRESSURE PULSE TRAIN IN TOP
VENT DURING CHUGGING



CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-25

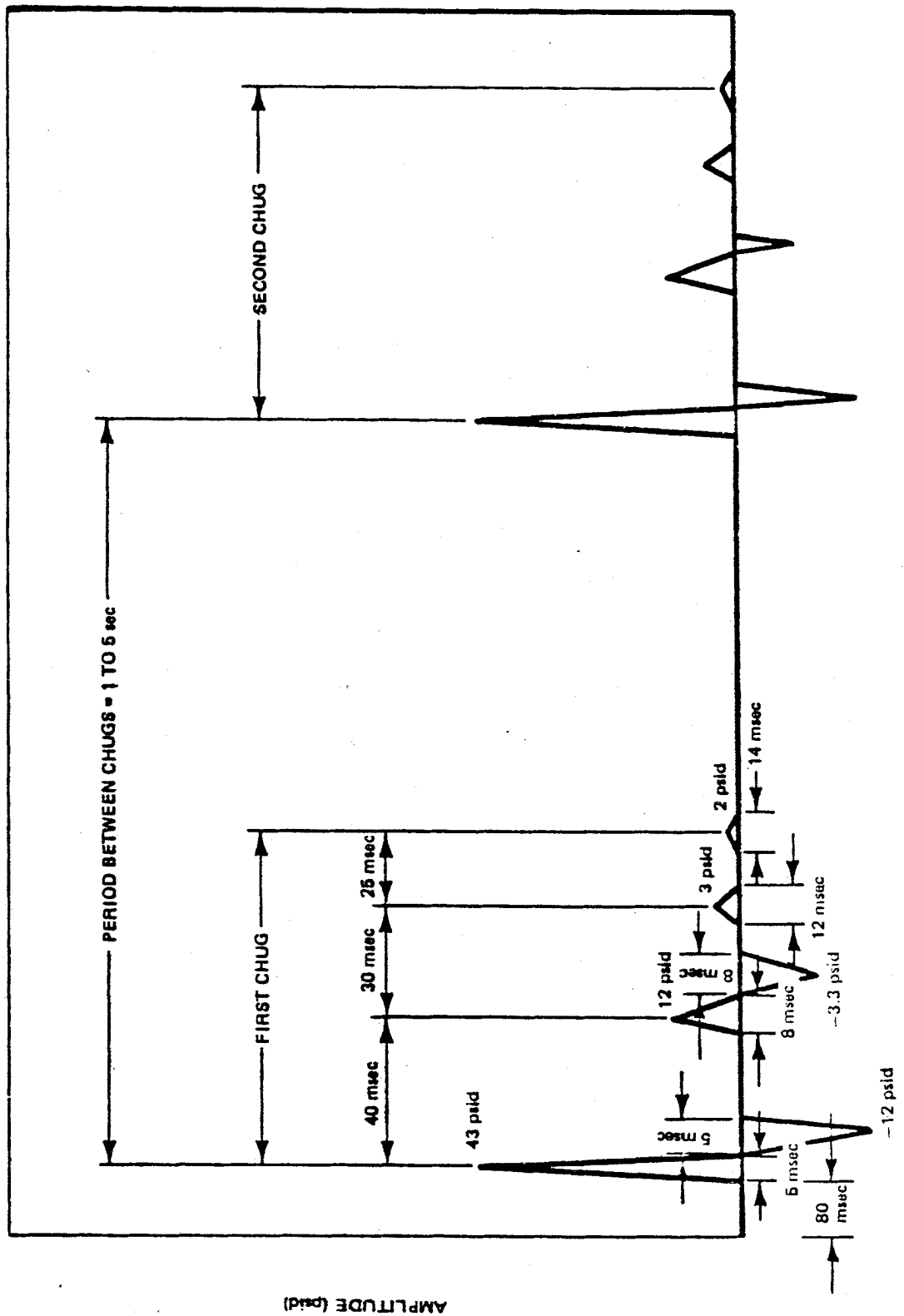
TYPICAL PRESSURE TIME-HISTORY FOR
WEIR ANNULUS DURING CHUGGING



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UPDATED SAFETY ANALYSIS REPORT**

FIGURE A3.8-26

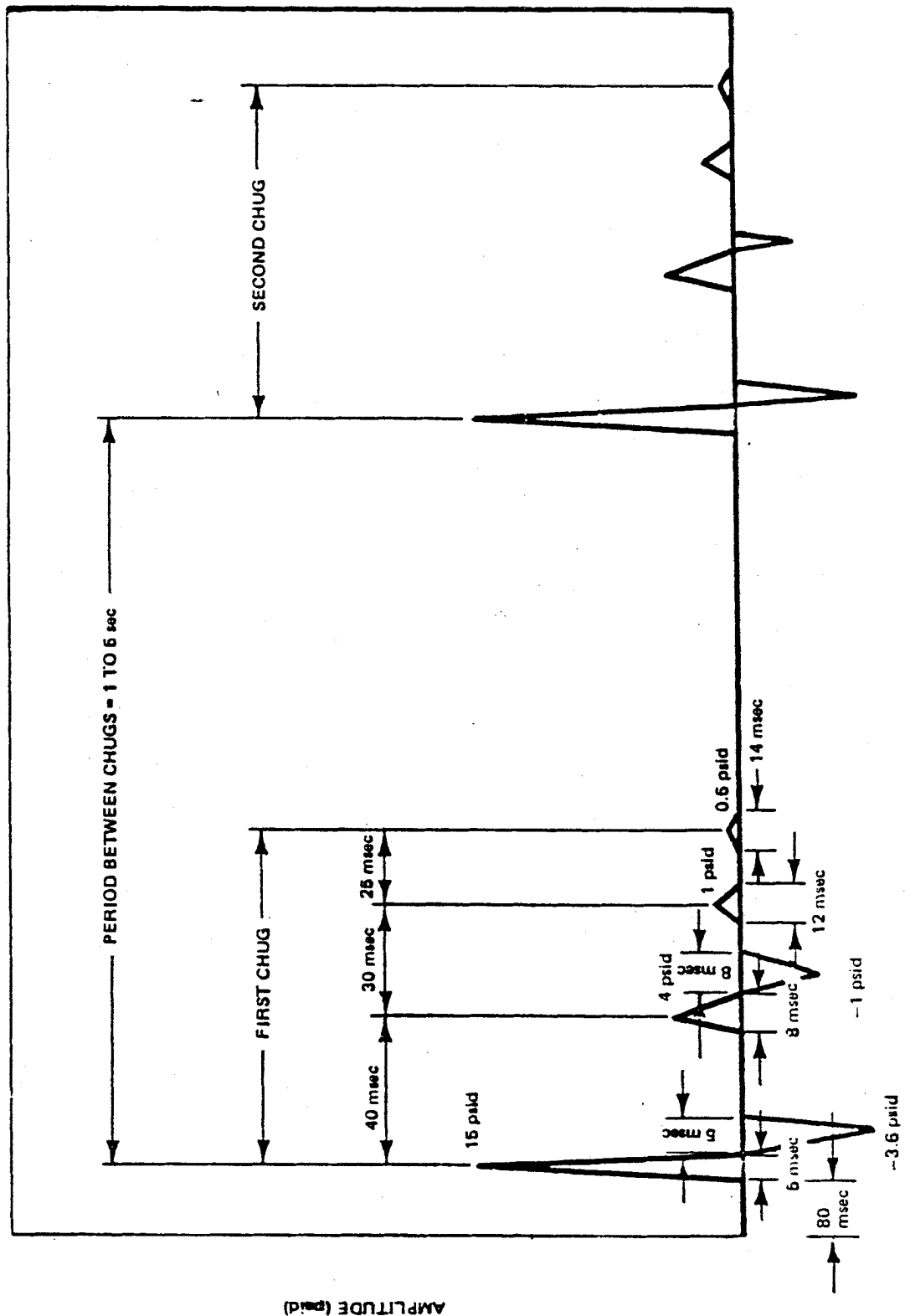
UNDERPRESSURE DISTRIBUTION ON THE WEIR
WALL AND DRYWELL I.D. WALL
DURING CHUGGING



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UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-27

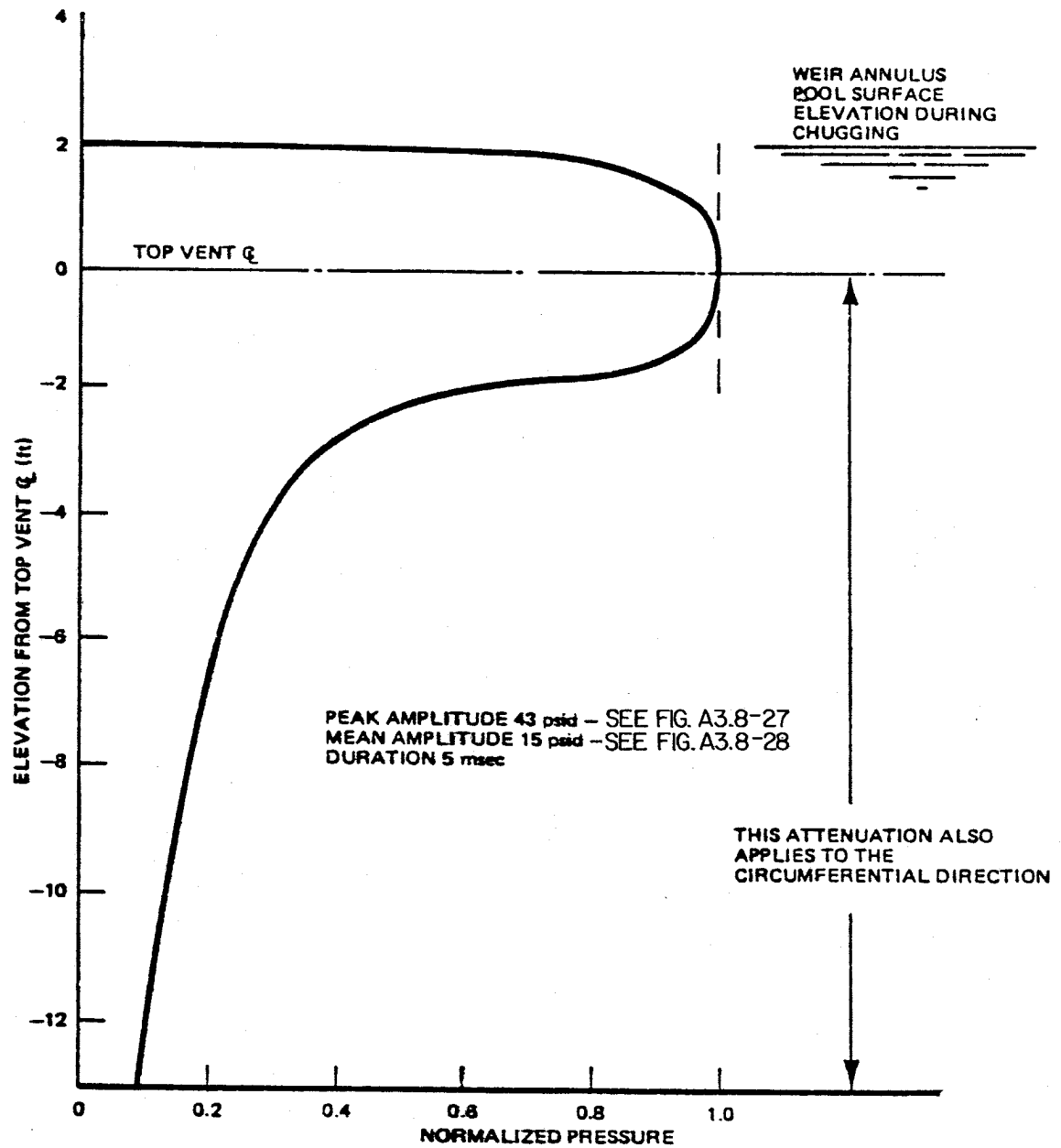
PEAK PRESSURE PULSE TRAIN ON THE
WEIR WALL AND DRYWELL I.D.
WALL DURING CHUGGING



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FIGURE A3.8-28

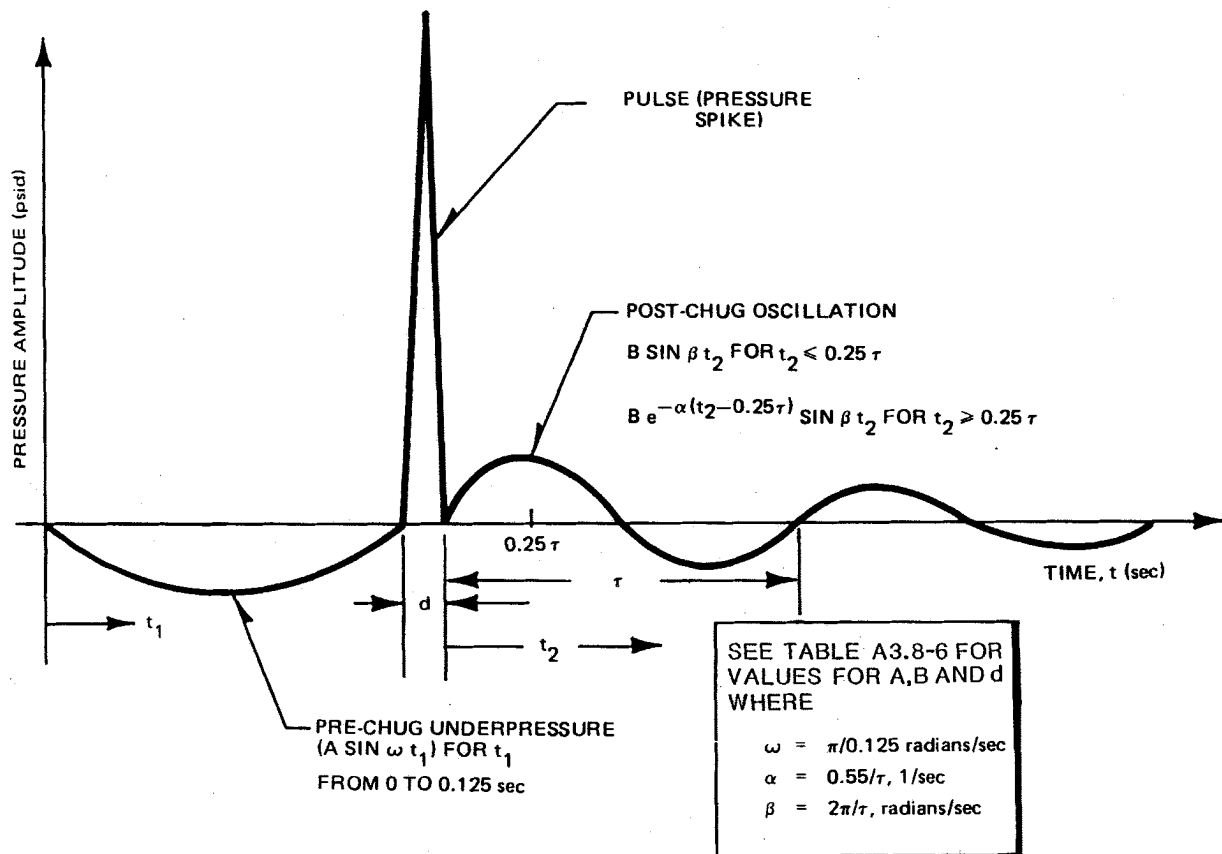
MEAN PRESSURE PULSE TRAIN ON THE WEIR
WALL AND DRYWELL I.D. WALL
DURING CHUGGING



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FIGURE A3.8-29

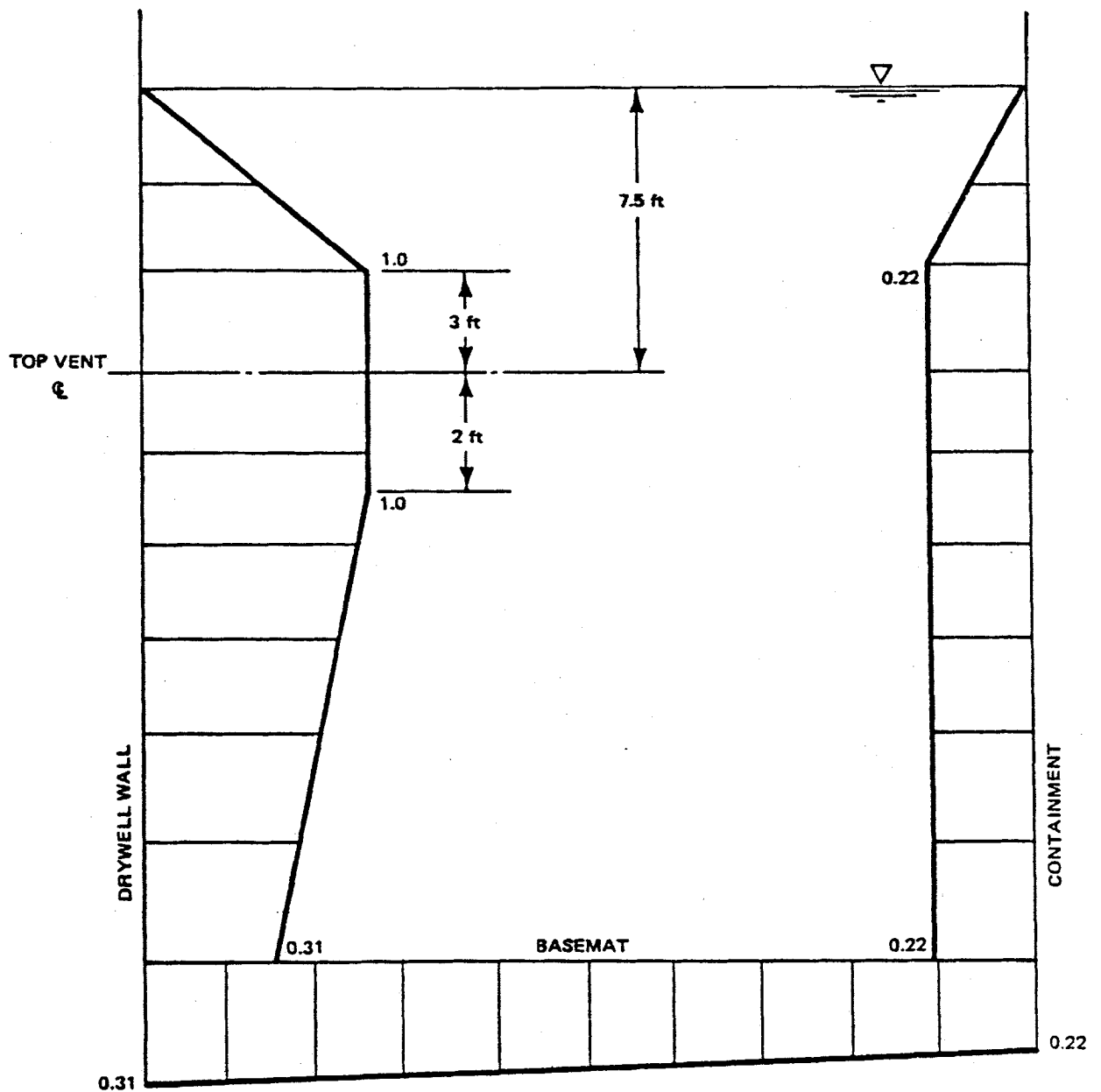
NORMALIZED WEIR ANNULUS PRESSURE
PULSE ATTENUATION



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FIGURE A3.8-30

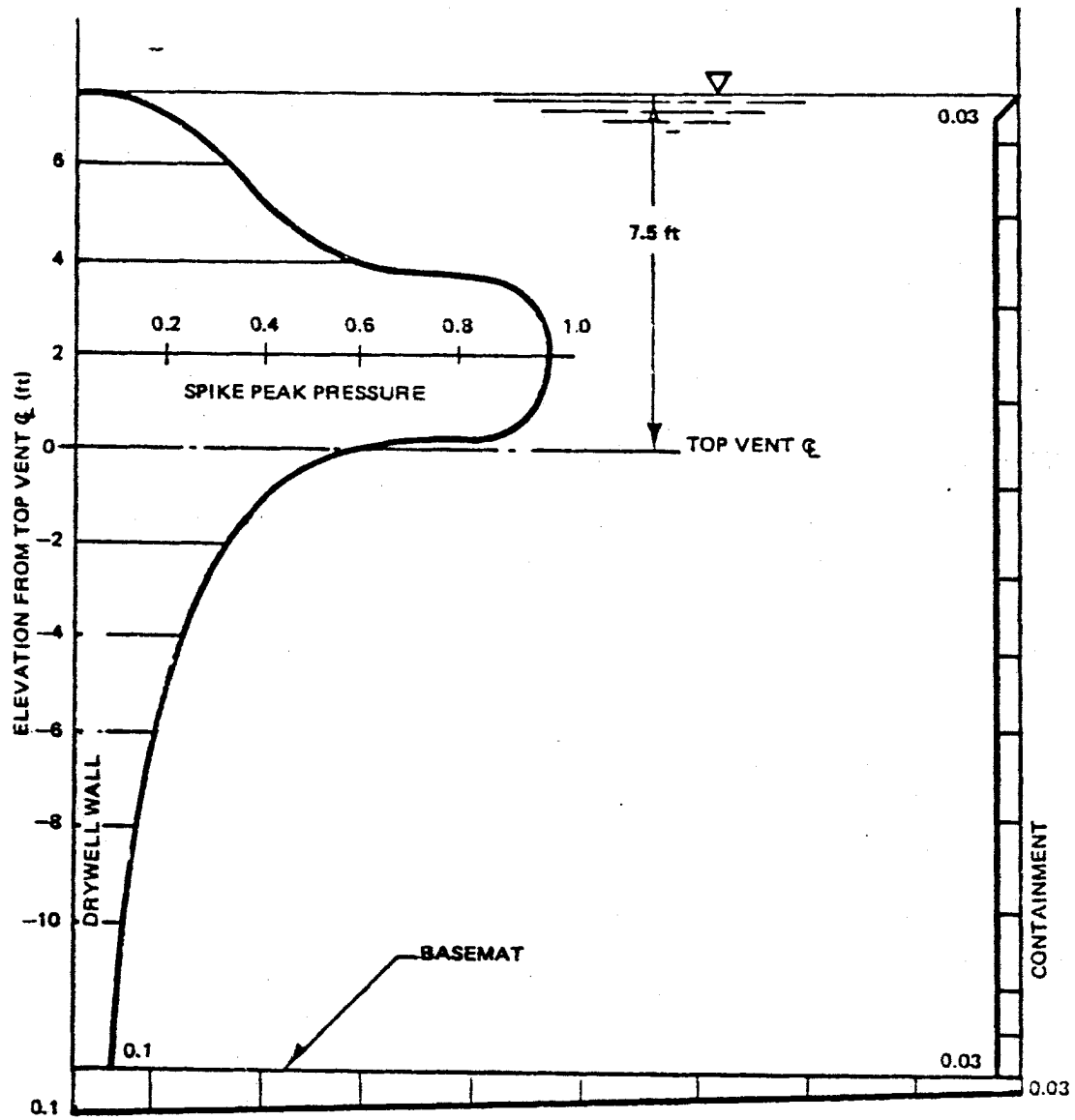
TYPICAL PRESSURE TIME-HISTORY ON
THE POOL BOUNDARY DURING CHUGGING



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UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-31

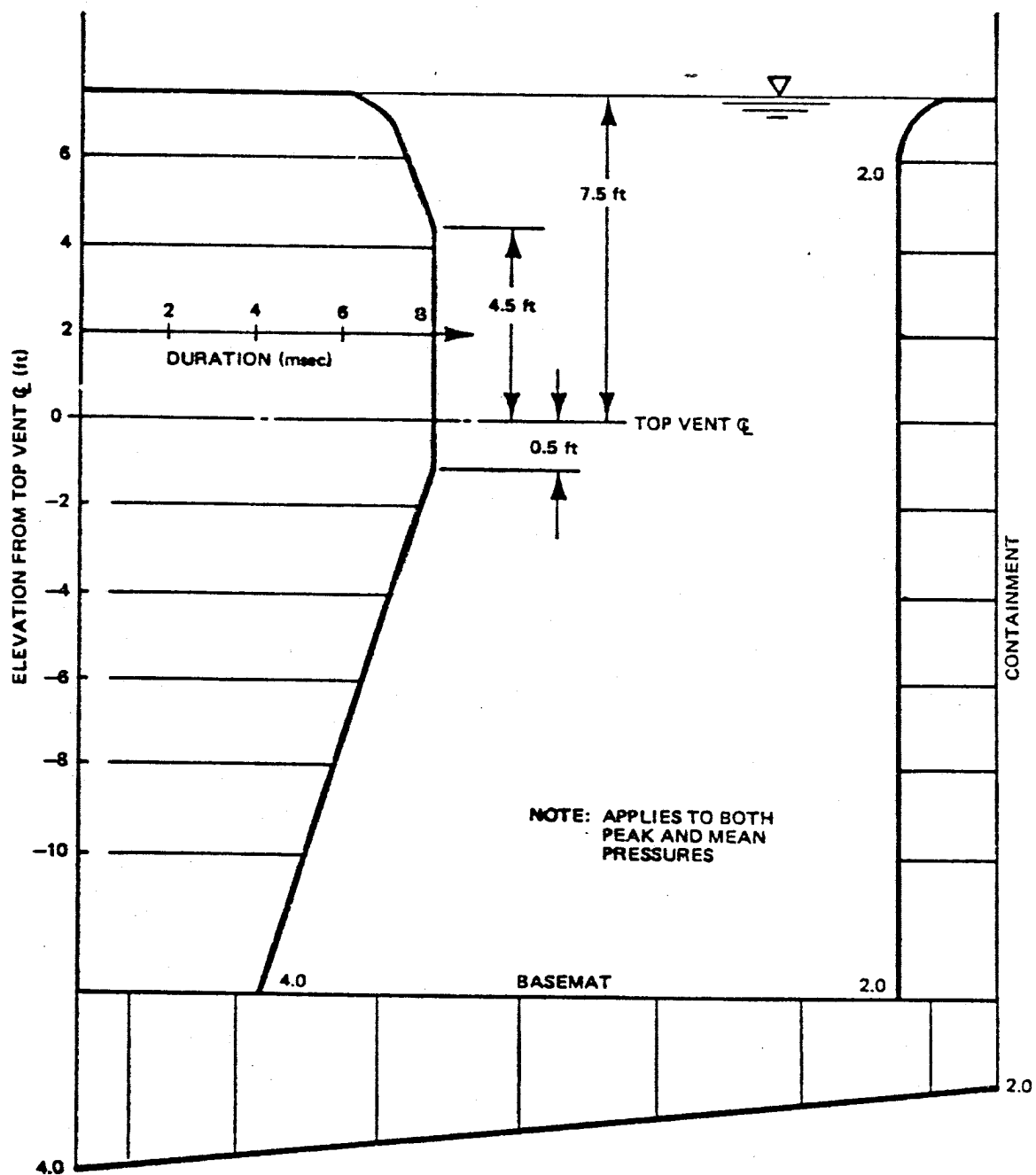
SUPPRESSION POOL CHUGGING NORMALIZED
PEAK UNDERPRESSURE ATTENUATION



CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-32

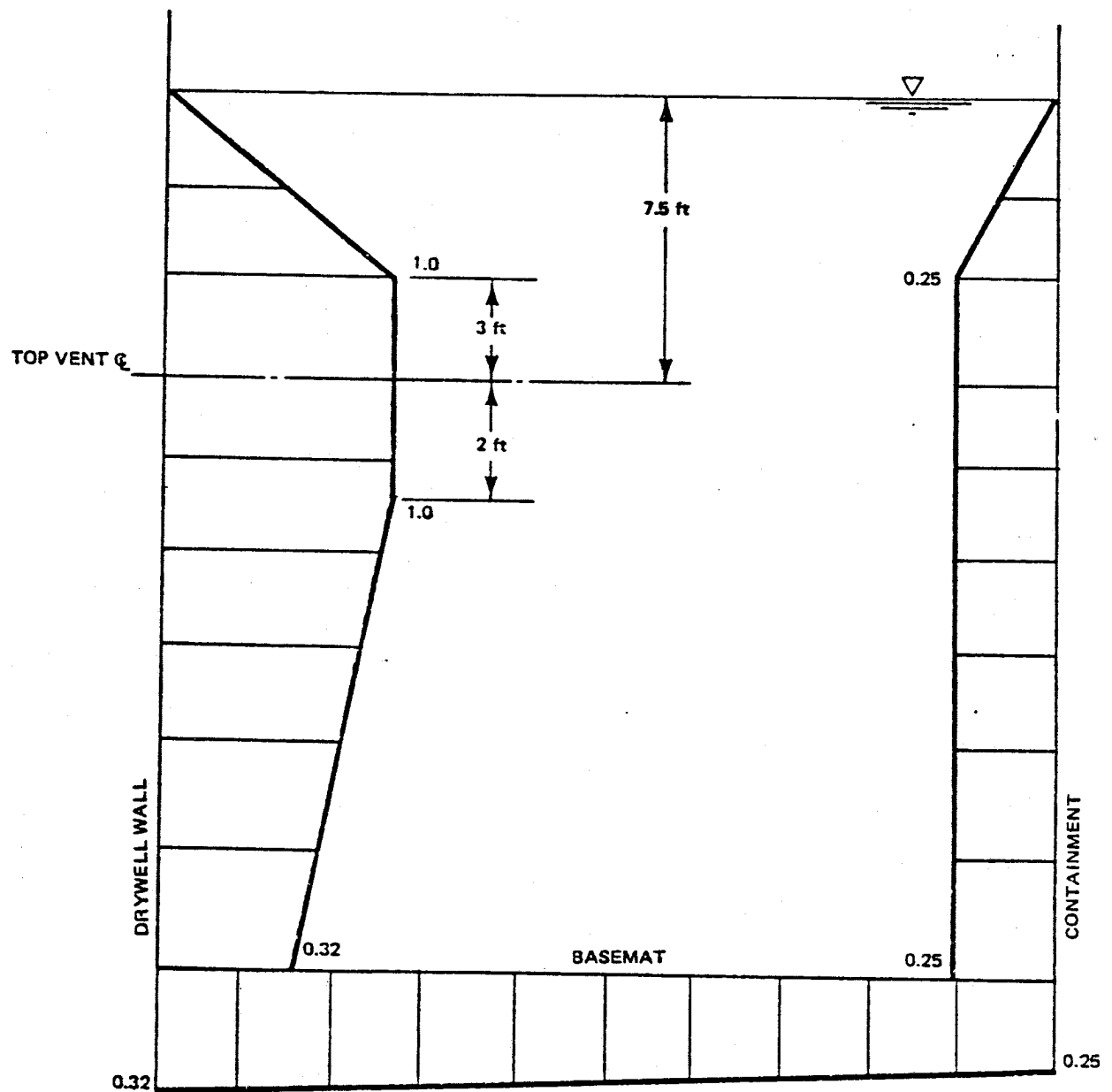
SUPPRESSION POOL CHUGGING
NORMALIZED SPIKE ATTENUATION



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UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-33

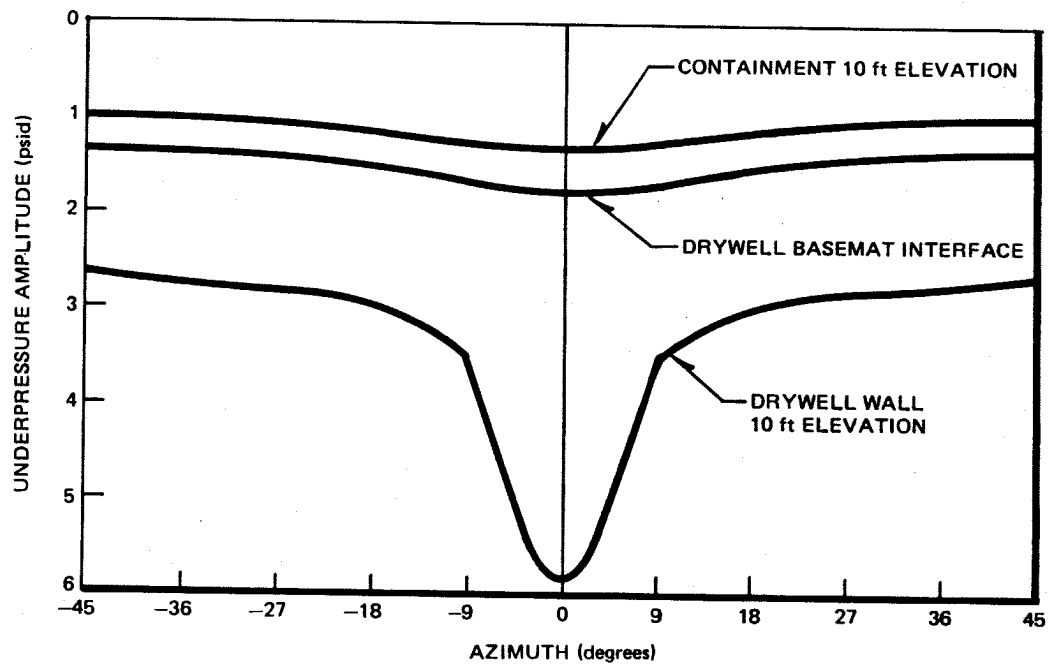
SUPPRESSION POOL CHUGGING SPIKE
DURATION "d" AS A FUNCTION OF LOCATION
IN THE POOL



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FIGURE A3.8-34

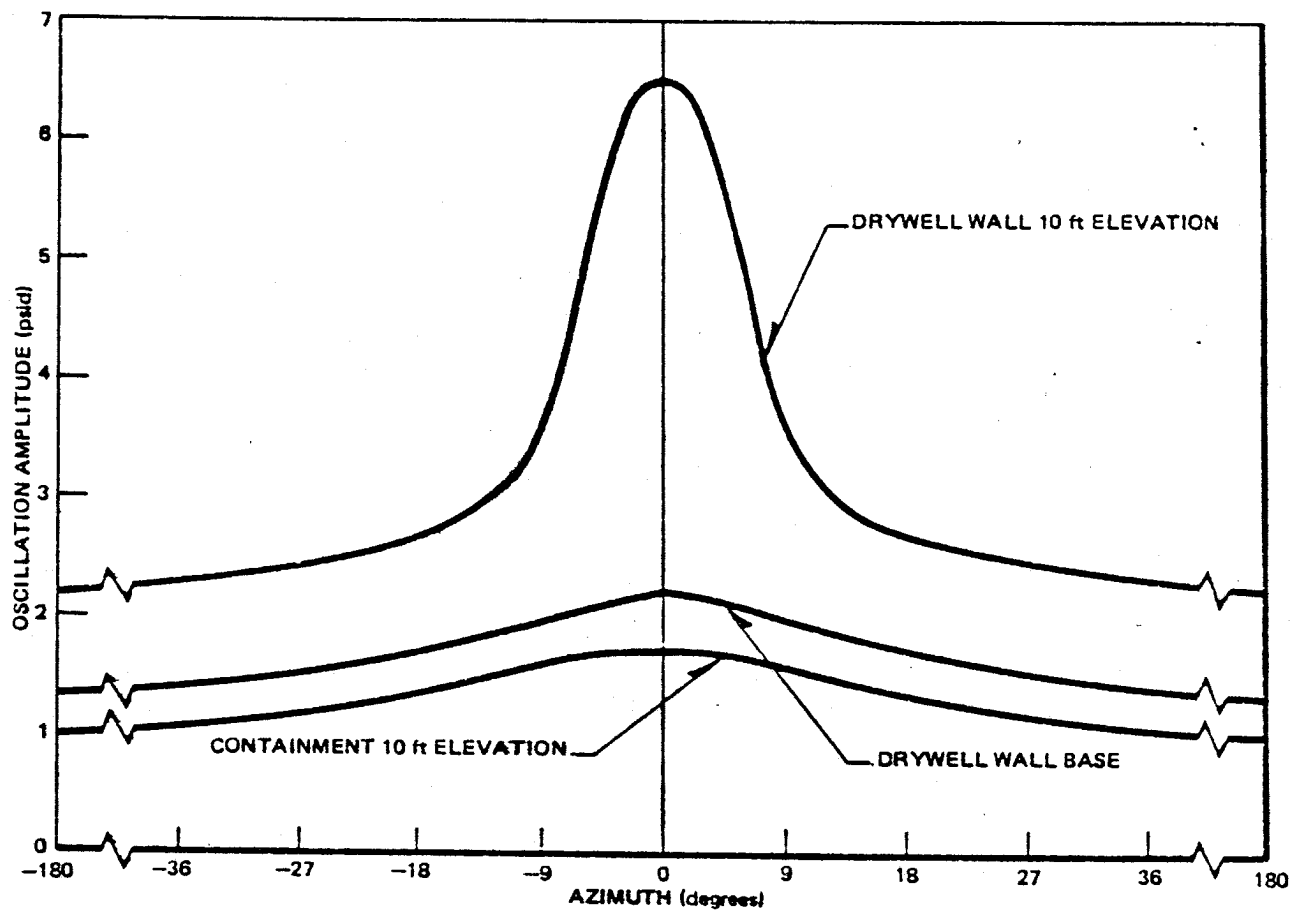
SUPPRESSION POOL CHUGGING NORMALIZED
PEAK POST CHUG OSCILLATIONS



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UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-35

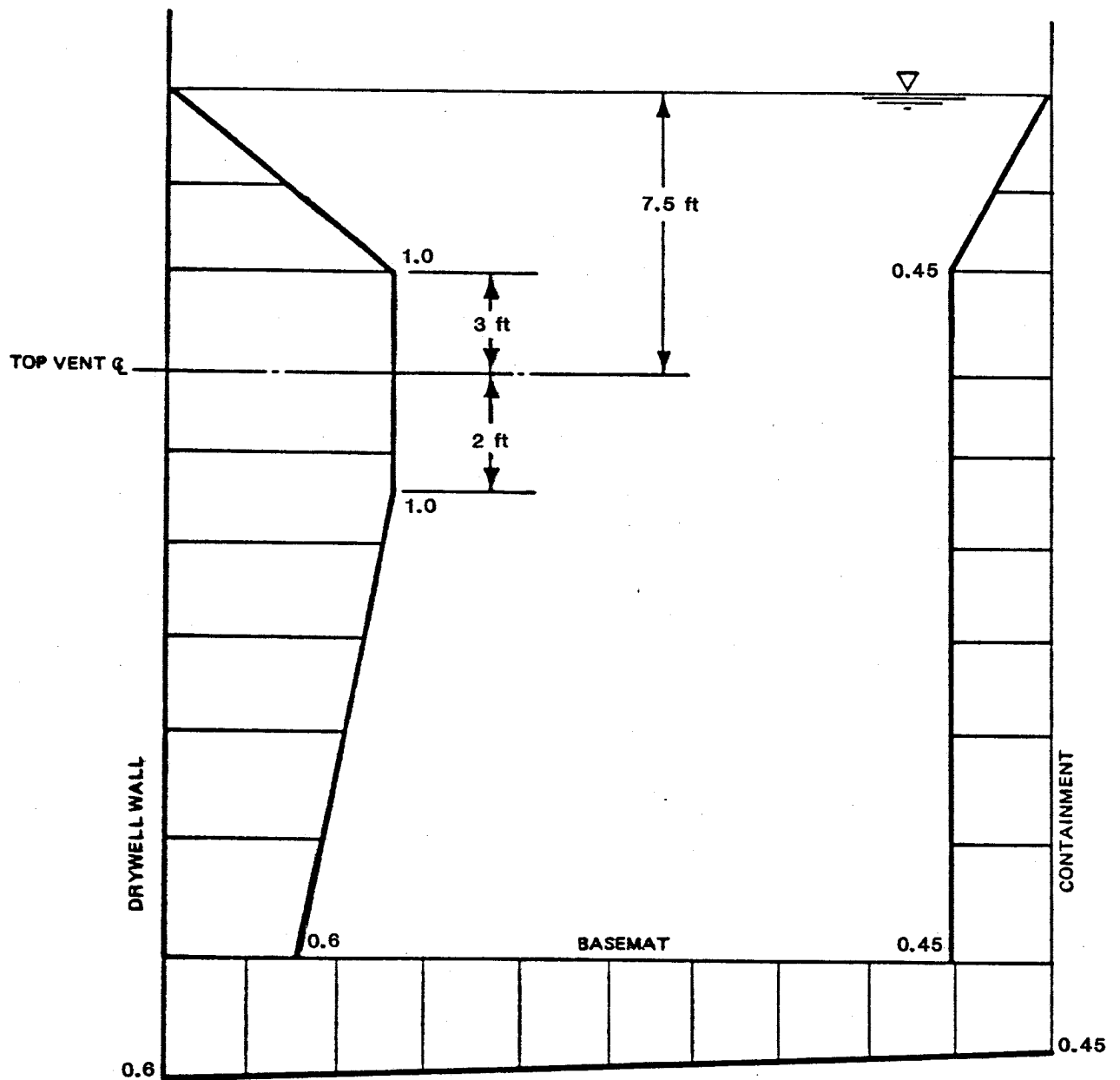
CIRCUMFERENTIAL UNDERPRESSURE
AMPLITUDE ATTENUATION



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FIGURE A3.8-36

CIRCUMFERENTIAL POST CHUG OSCILLATION
AMPLITUDE ATTENUATION



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UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-37

SUPPRESSION POOL CHUGGING
NORMALIZED POST CHUG
OSCILLATIONS ATTENUATION

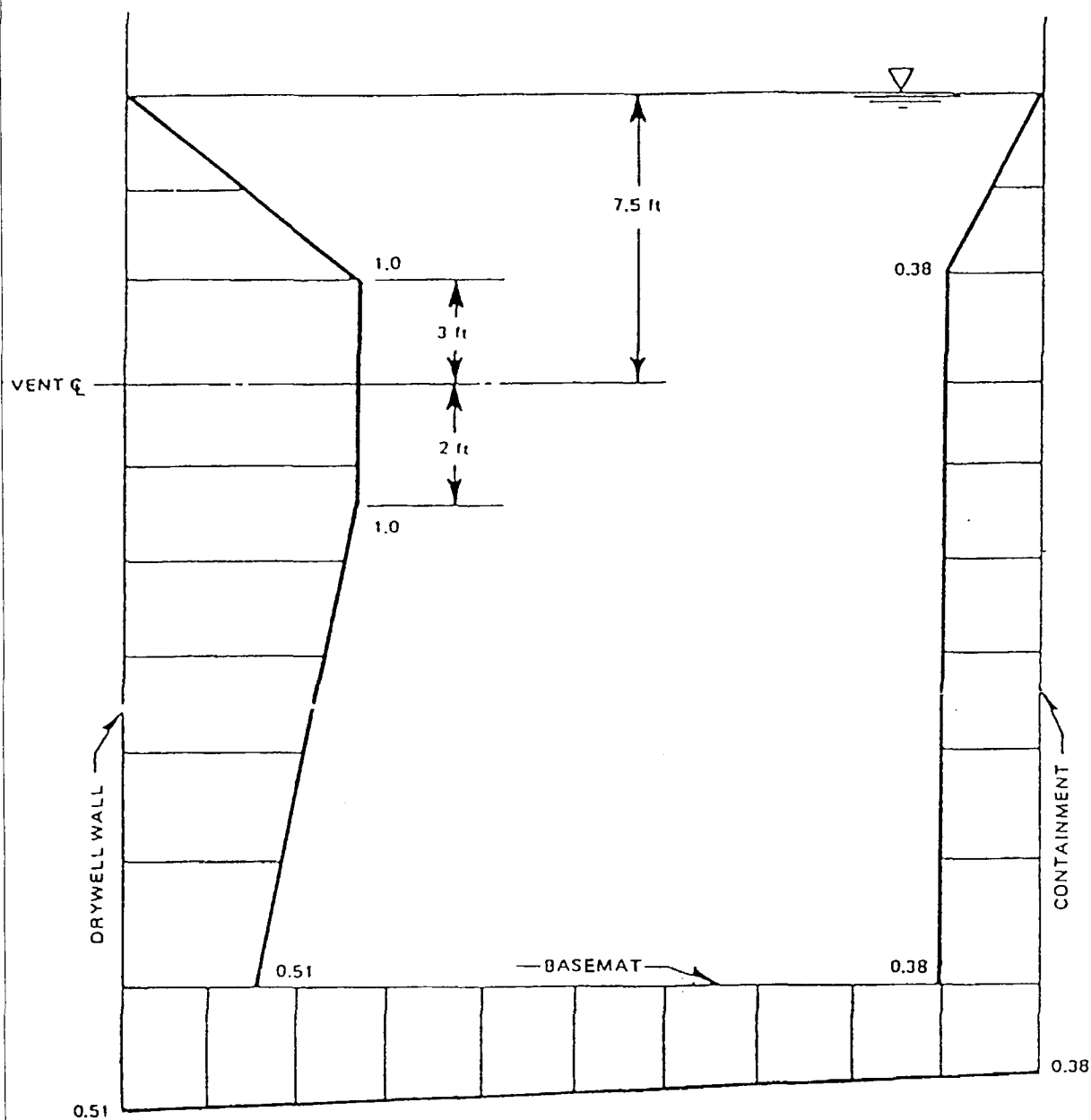
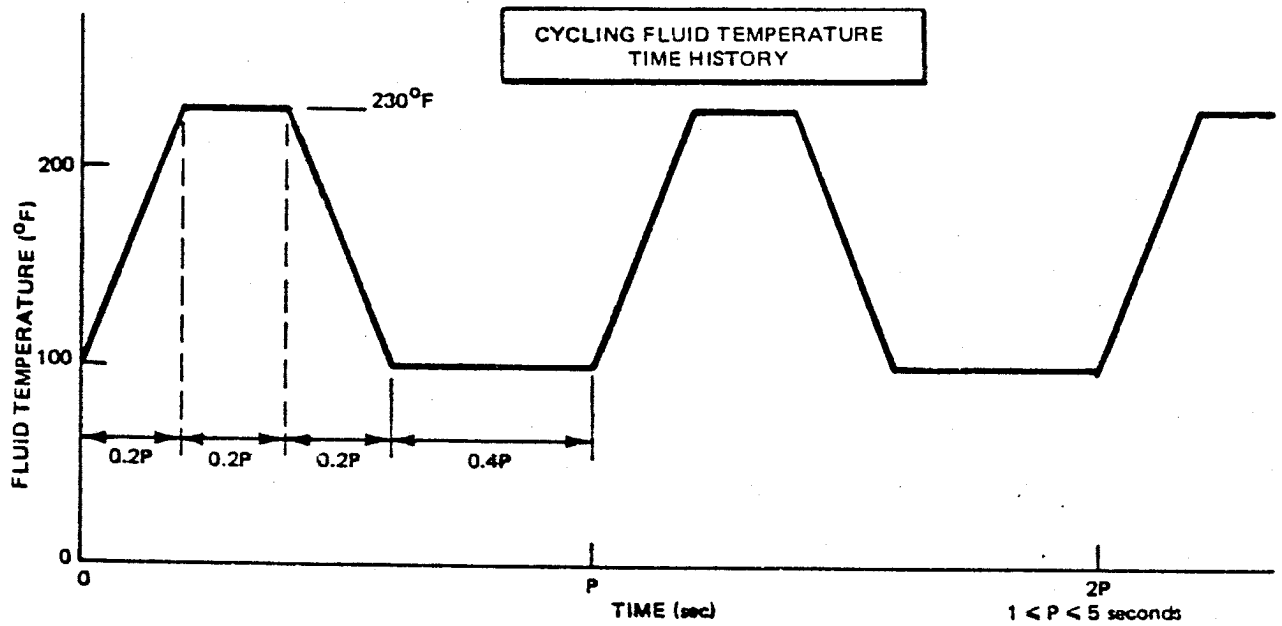
CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

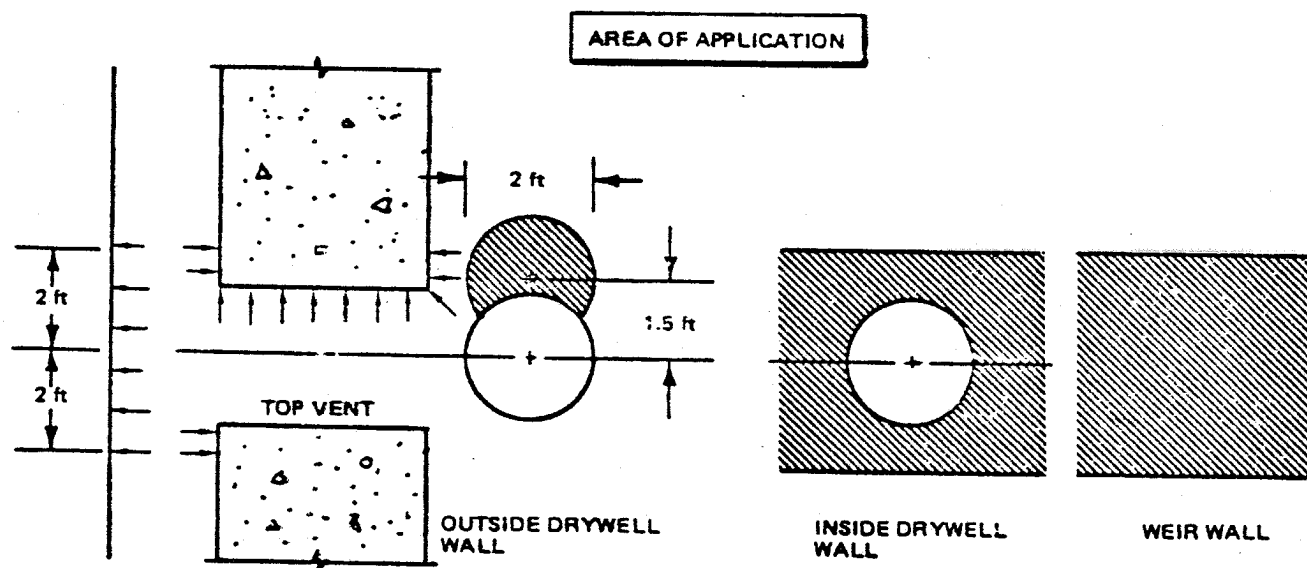
FIGURE A3.8-37A
SUPPRESSION POOL CHUGGING
NORMALIZED POST MEAN
UNDERPRESSURE ATTENUATION



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FIGURE A3.8-38

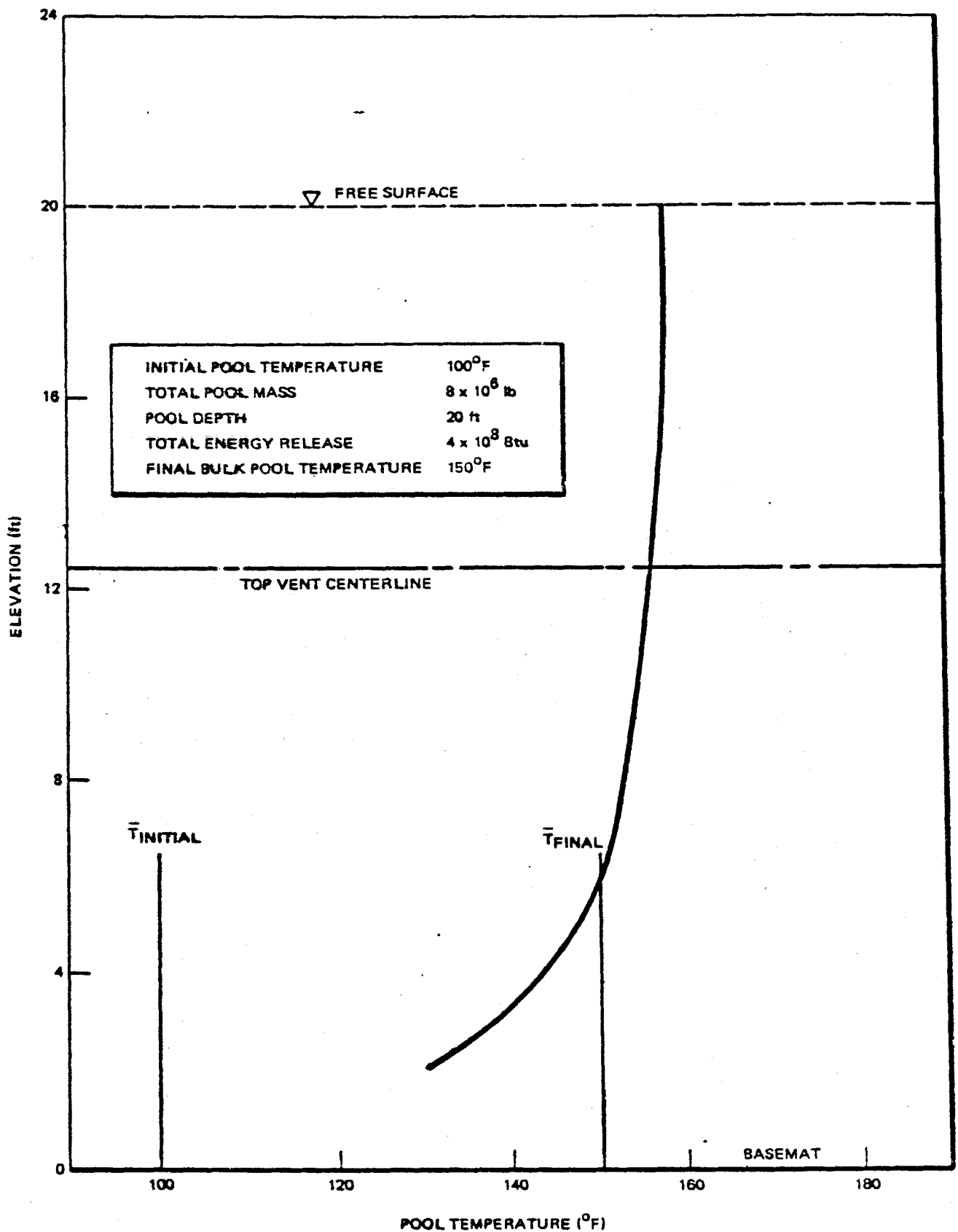
DRYWELL TOP VENT CYCLIC TEMPERATURE
PROFILE AND AREA OF APPLICATION
DURING CHUGGING



CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-39

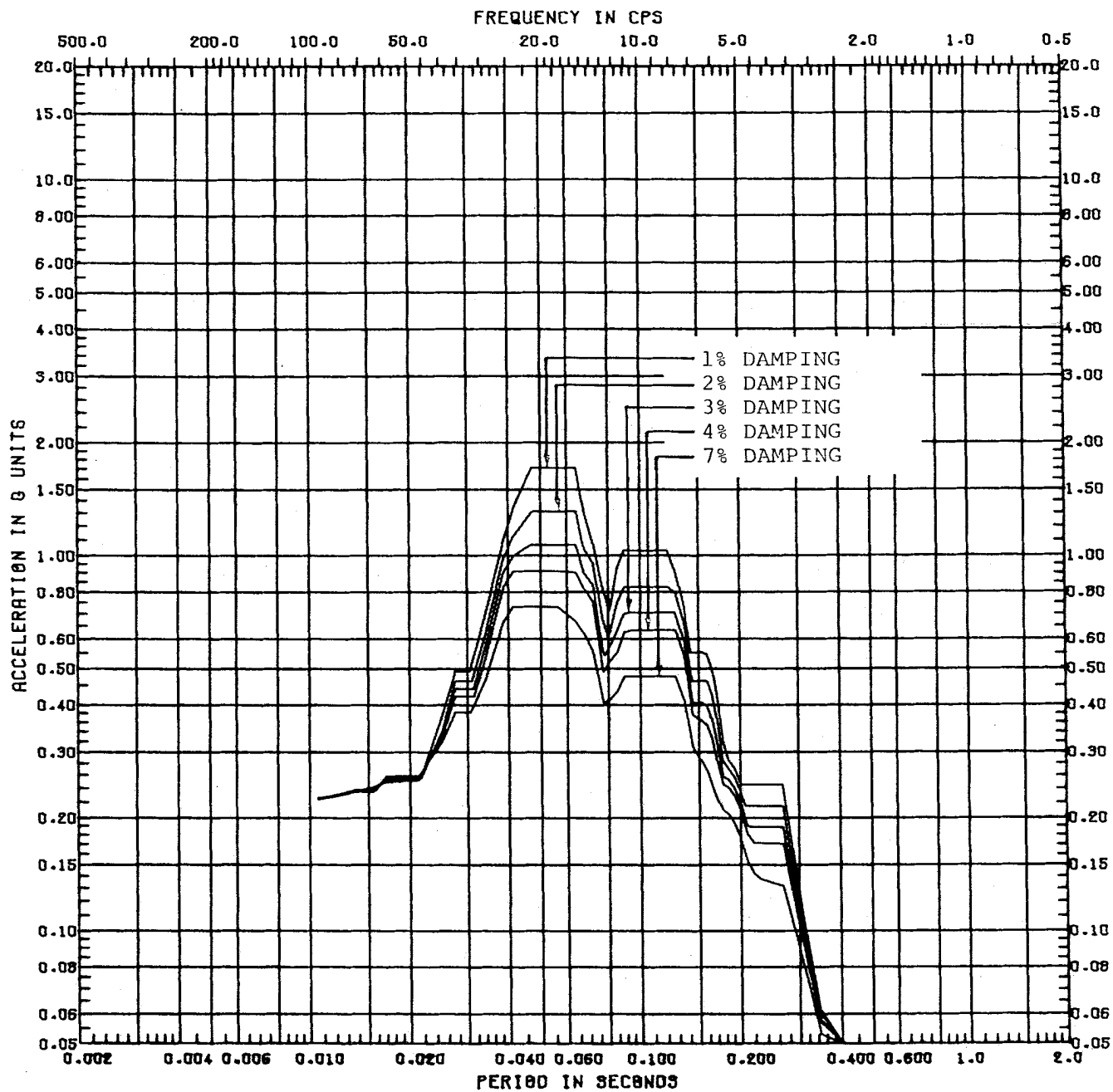
DRYWELL TOP VENT CYCLIC TEMPERATURE
PROFILE DURING CHUGGING



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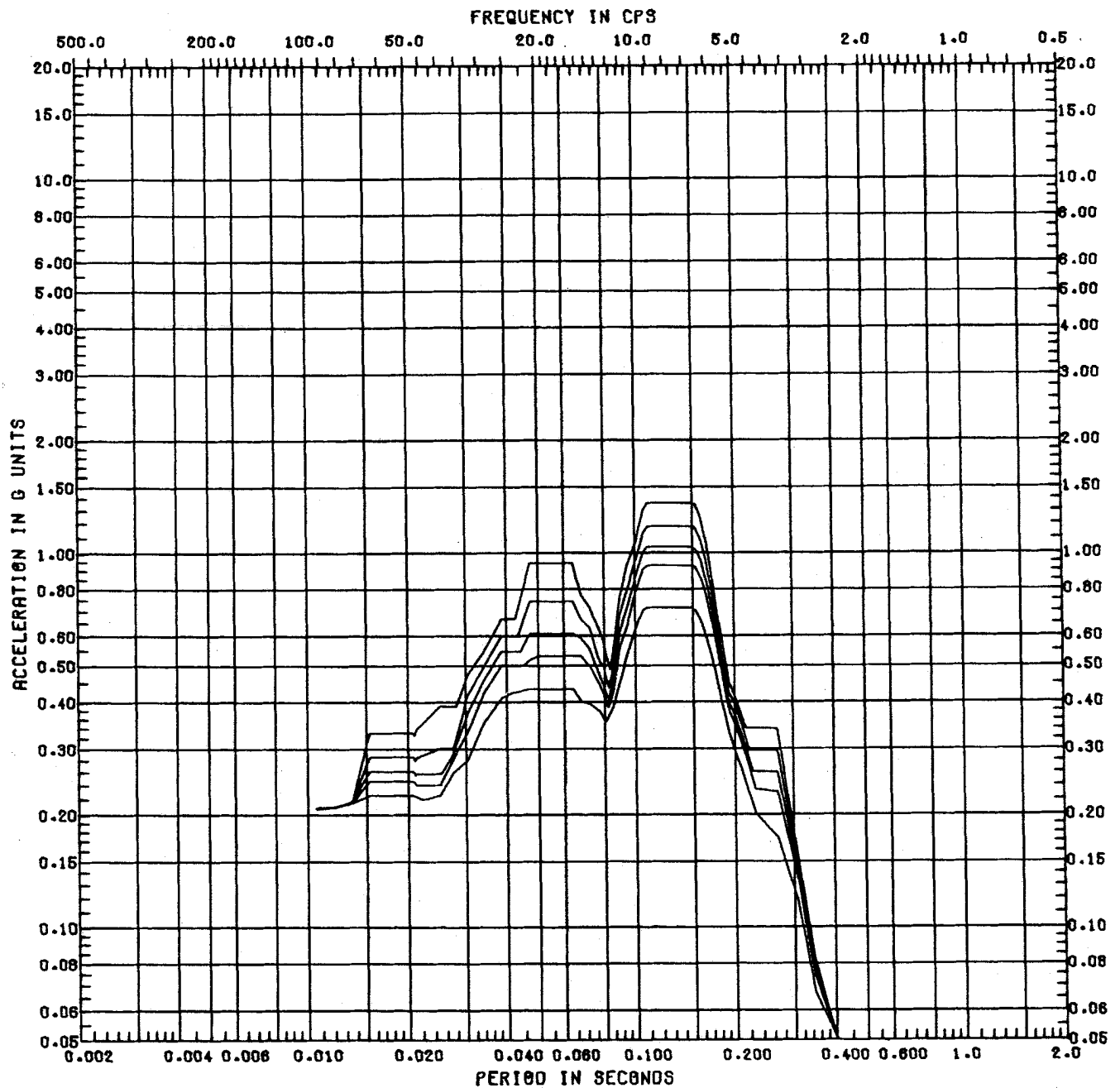
FIGURE A3.8-40

SUPPRESSION POOL TEMPERATURE
 PROFILE FOR LARGE BREAKS



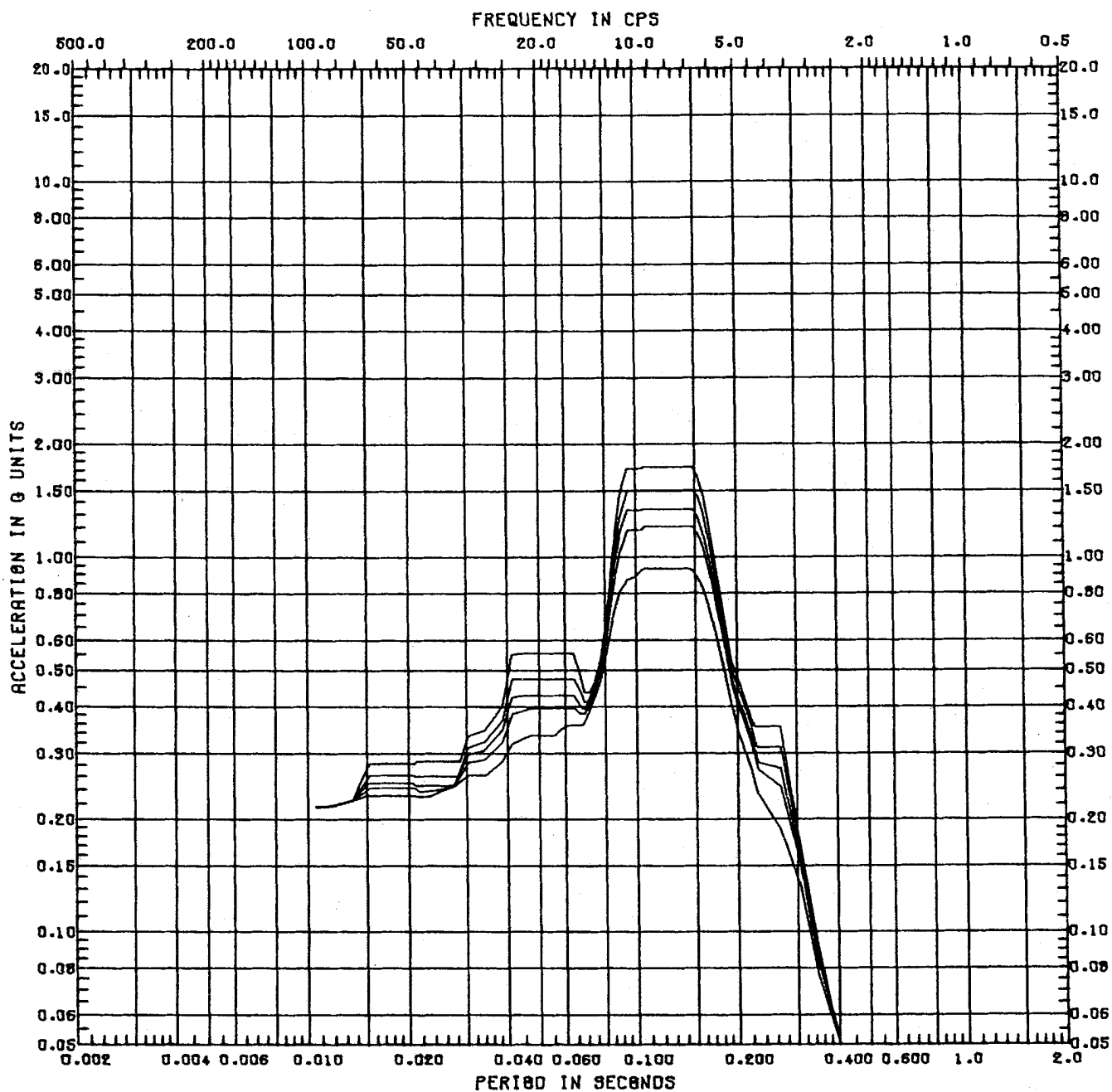
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FIGURE A3.8-41
SRV QUENCHER ALL VALVE
VERTICAL RESPONSE SPECTRA
FOR CONTAINMENT WALL,
ELEVATION 712'-0"



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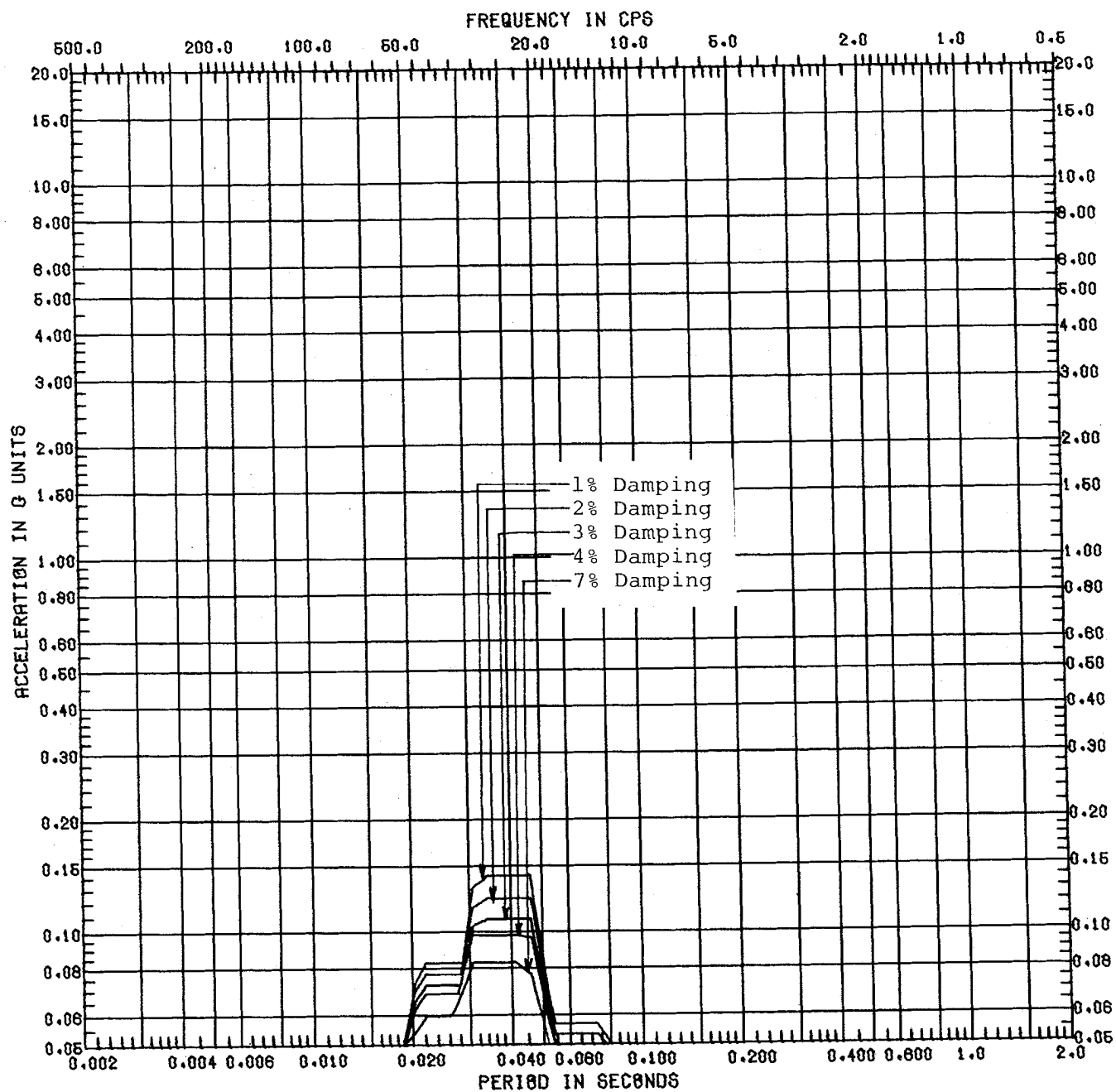
FIGURE A3.8-42
SRV QUENCHER ALL VALVE
VERTICAL RESPONSE SPECTRA
FOR DRYWELL WALL,
ELEVATION 712'-0"



CLINTON POWER STATION
UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-43

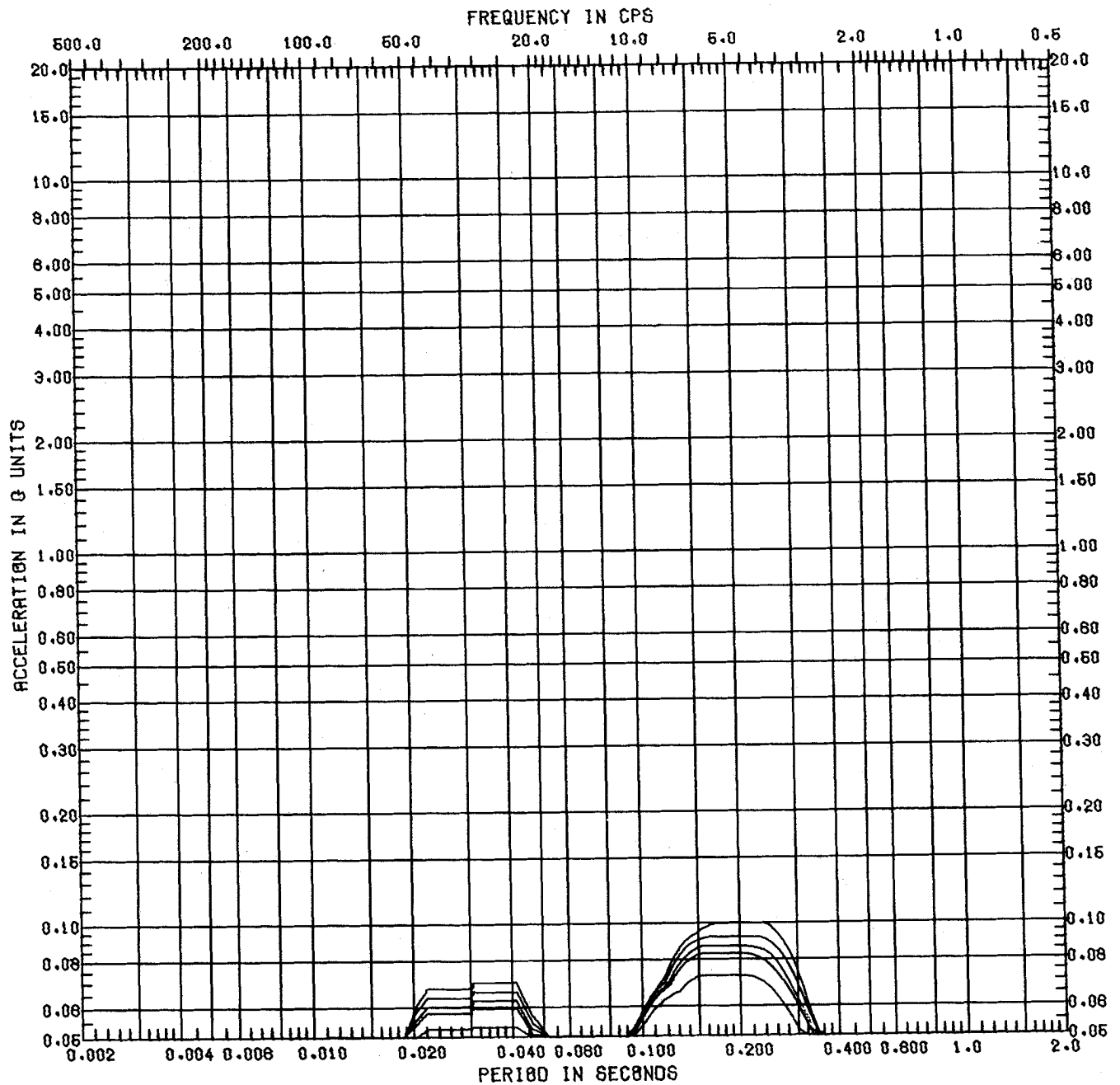
SRV QUENCHER ALL VALVE
VERTICAL RESPONSE SPECTRA
FOR PEDESTAL, ELEVATION 724'-1 3/4"



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UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-44

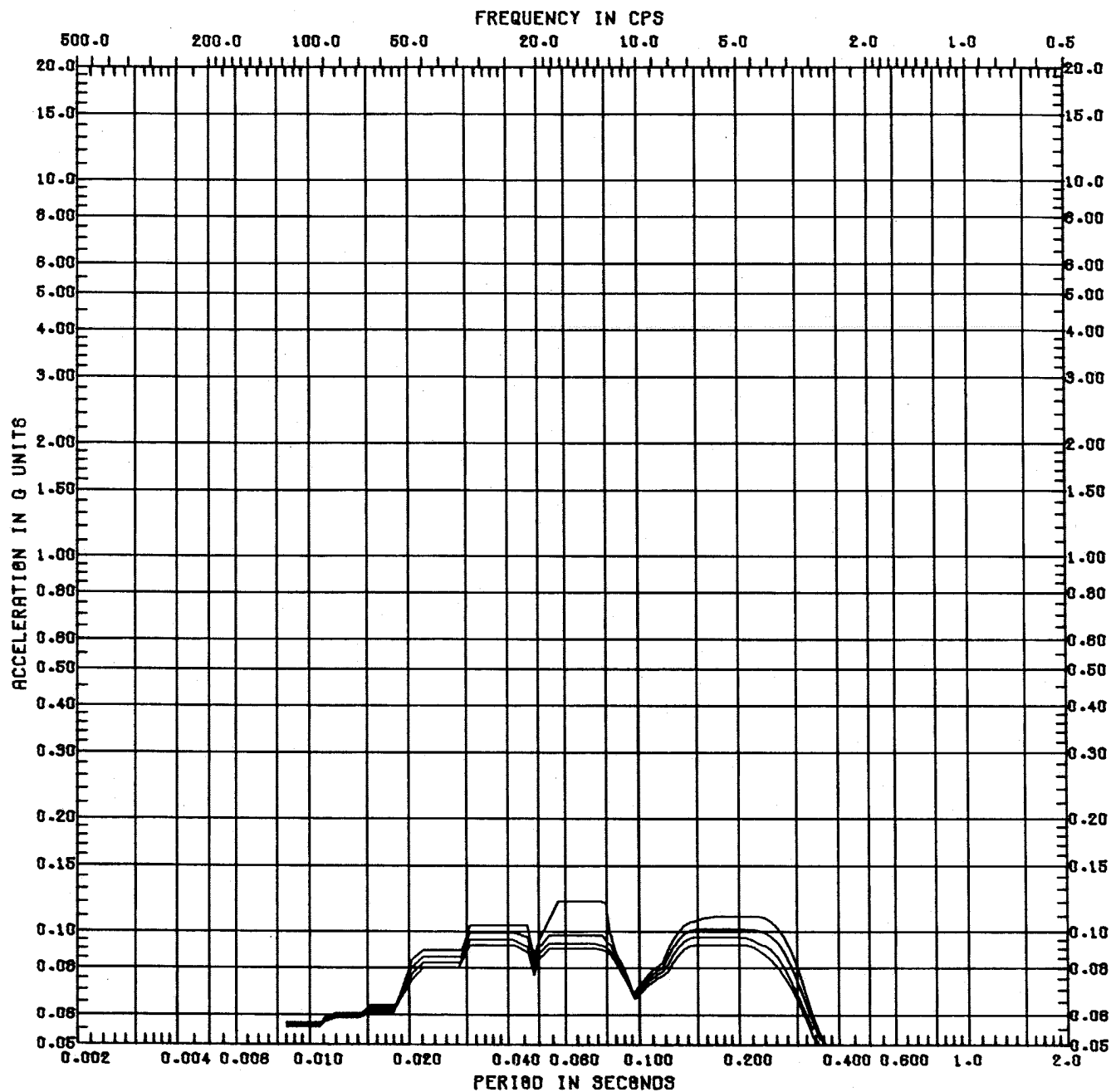
LOCA BUBBLE HORIZONTAL RESPONSE SPECTRA
FOR CONTAINMENT WALL
ELEVATION 712'-0"



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UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-45

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

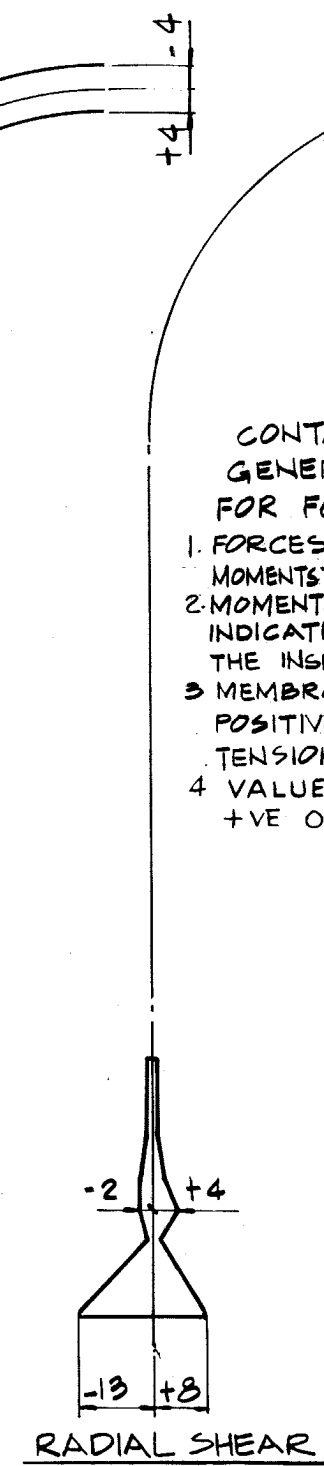
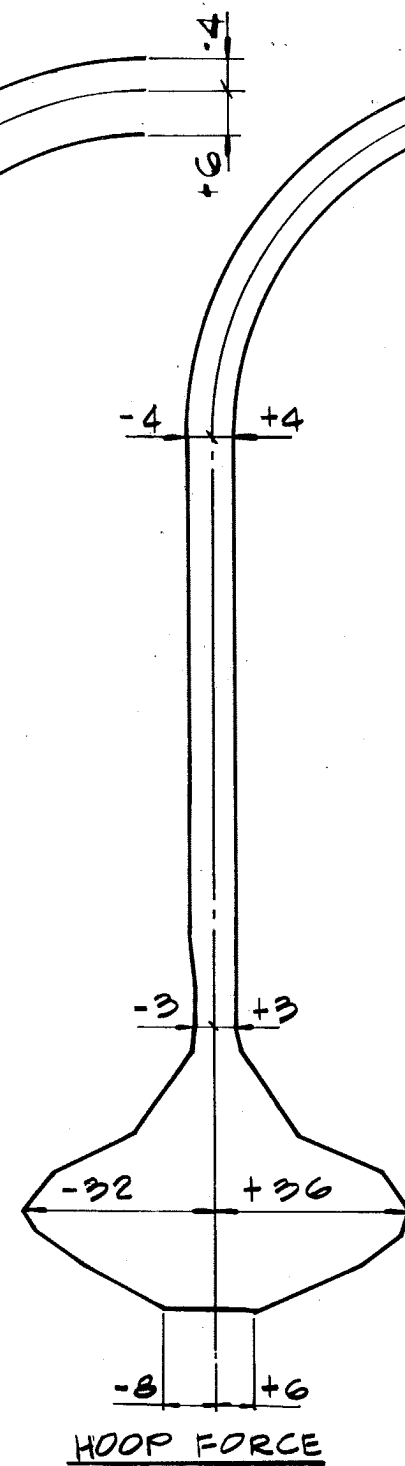
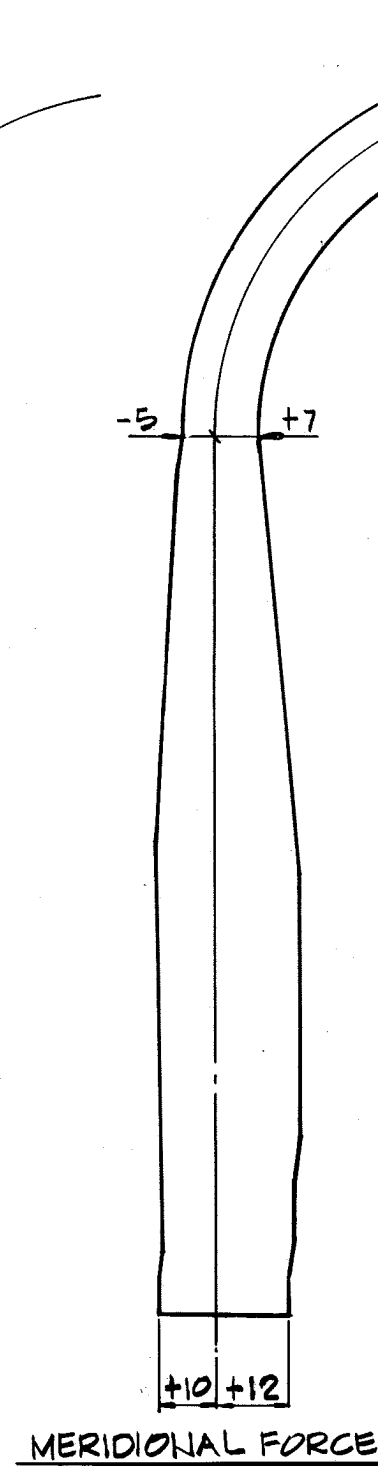
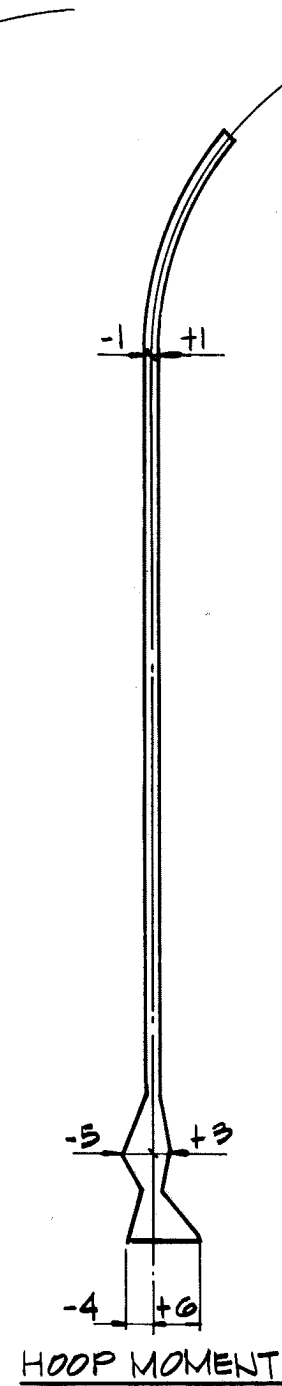
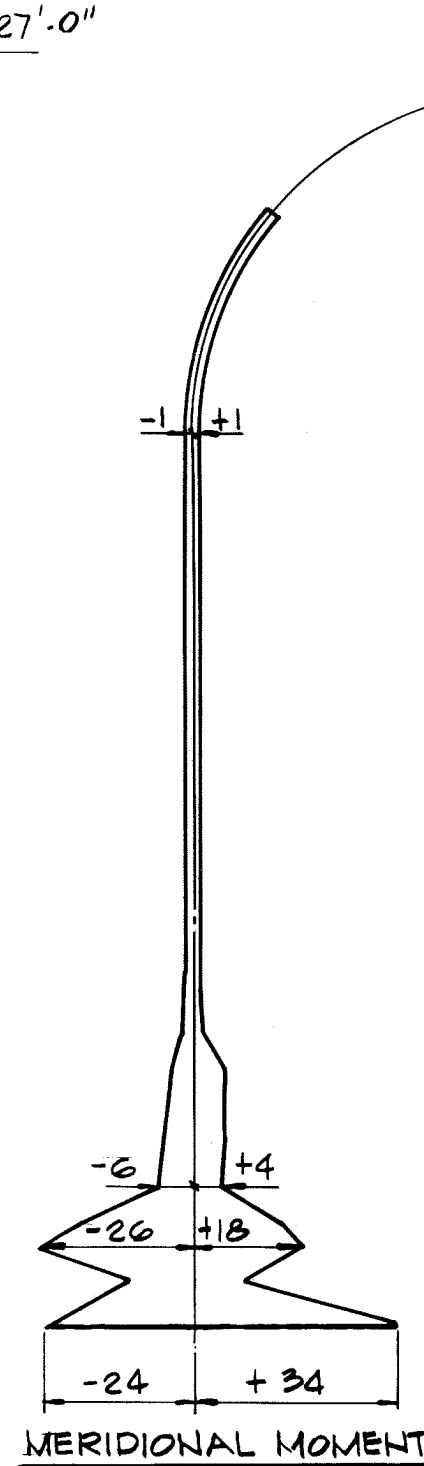
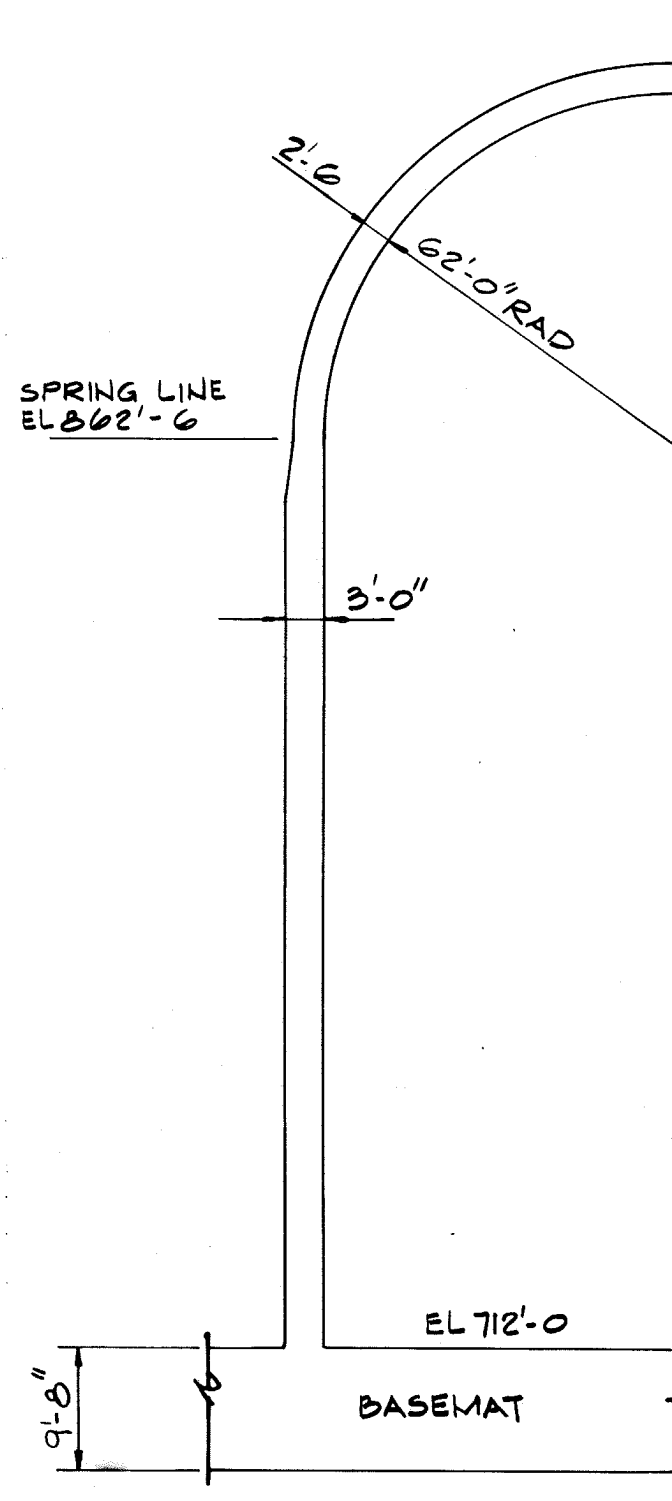


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UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-46

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

FIGURE A3.8-47
HAS BEEN DELETED



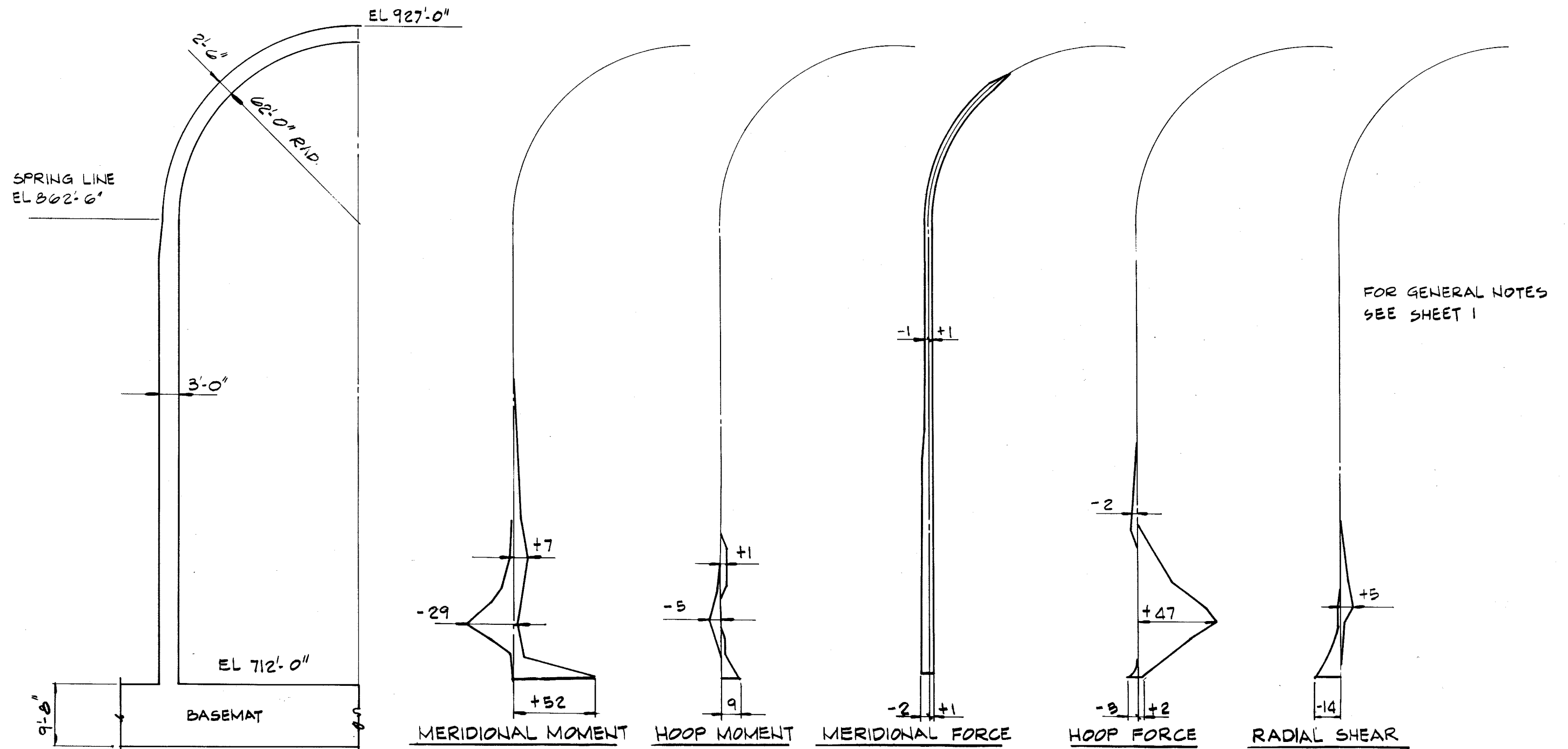
**CONTAINMENT
GENERAL NOTES
FOR FORCE PLOTS**

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

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UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.8-1

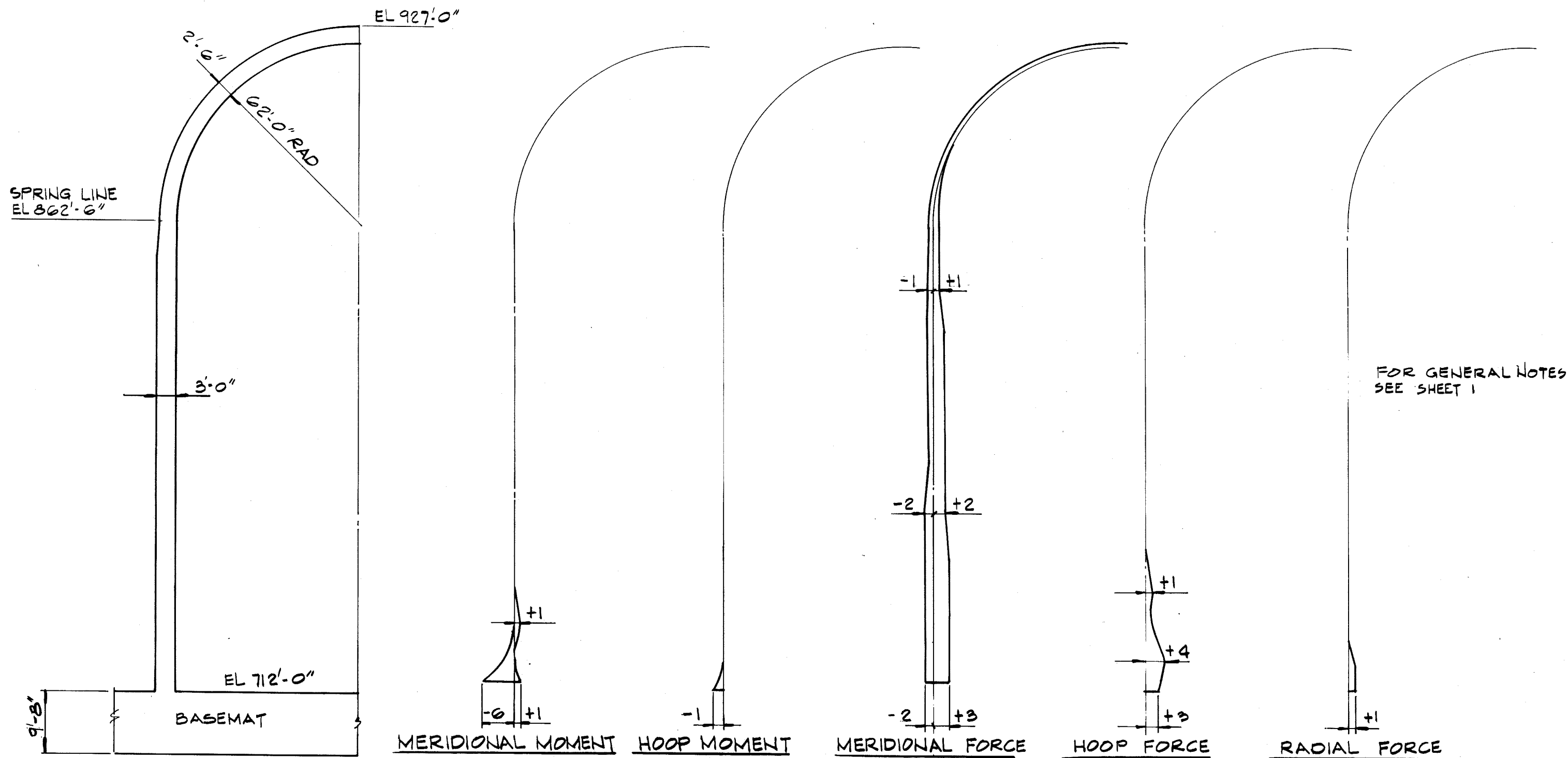
FORCE PLOTS CONTAINMENT
WALL SRV - ALL VALVE



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UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.8-2

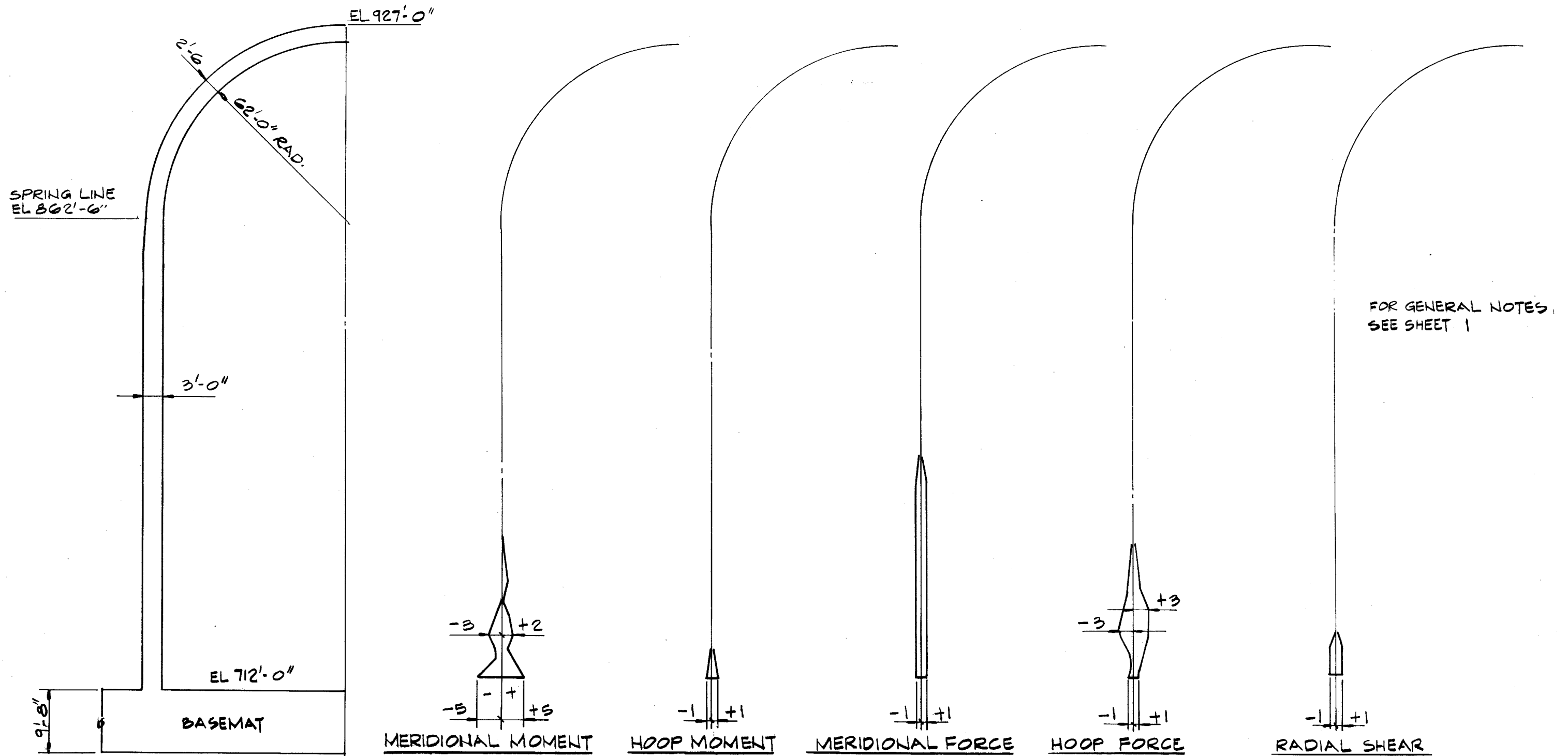
FORCE PLOTS CONTAINMENT
WALL - LOCA BUBBLE



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UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.8-3

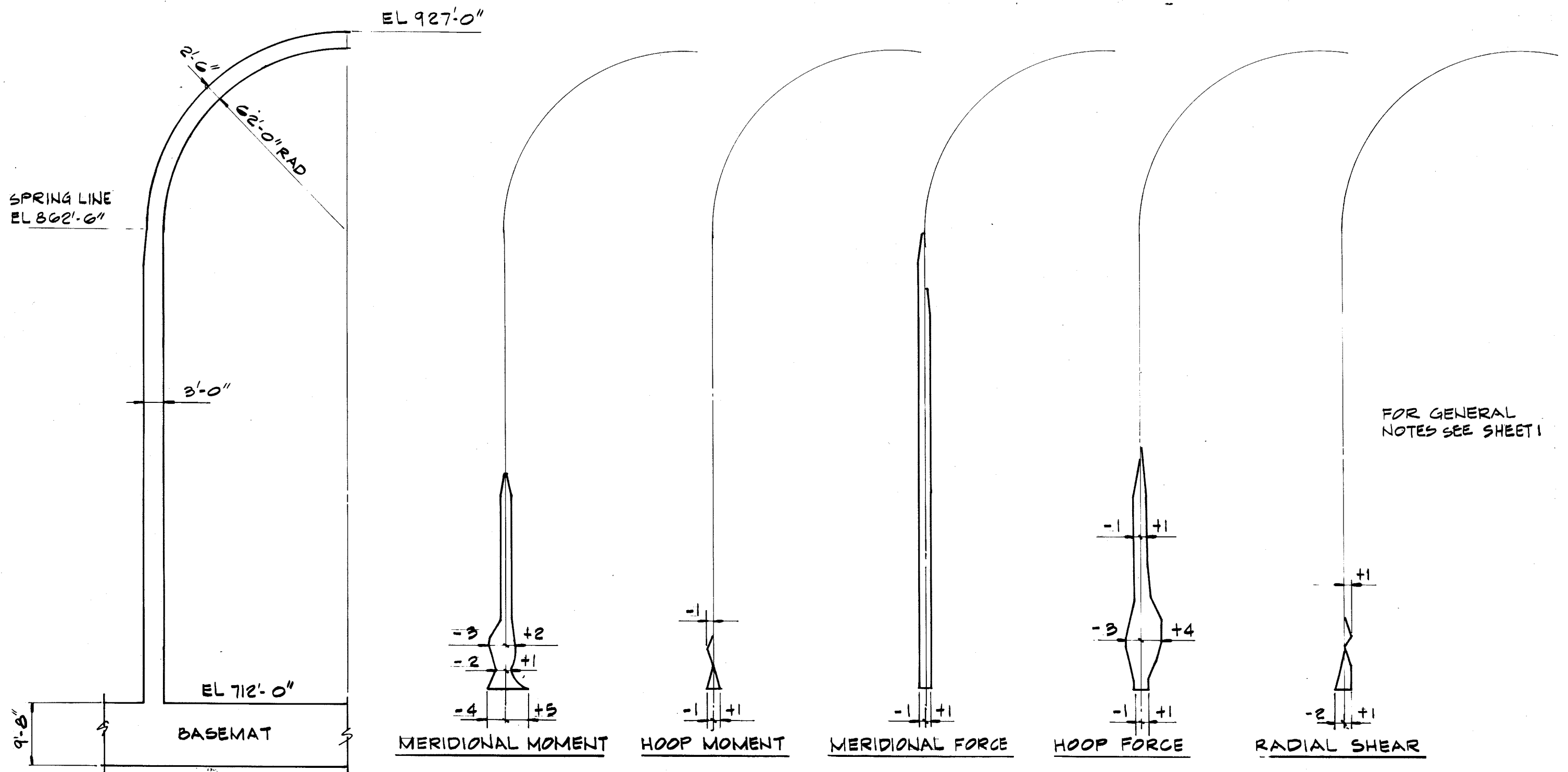
FORCE PLOTS CONTAINMENT
WALL - LOCA - FROTH IMPINGEMENT



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UPDATED SAFETY ANALYSIS REPORT

FIGURE B3.8-4

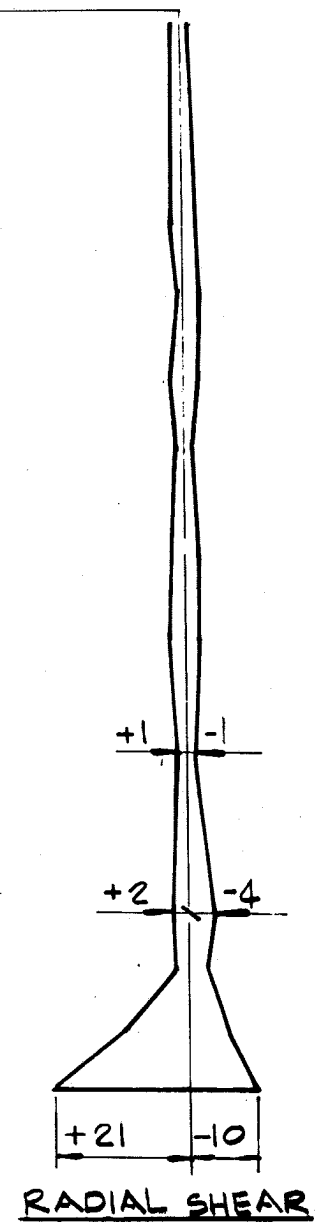
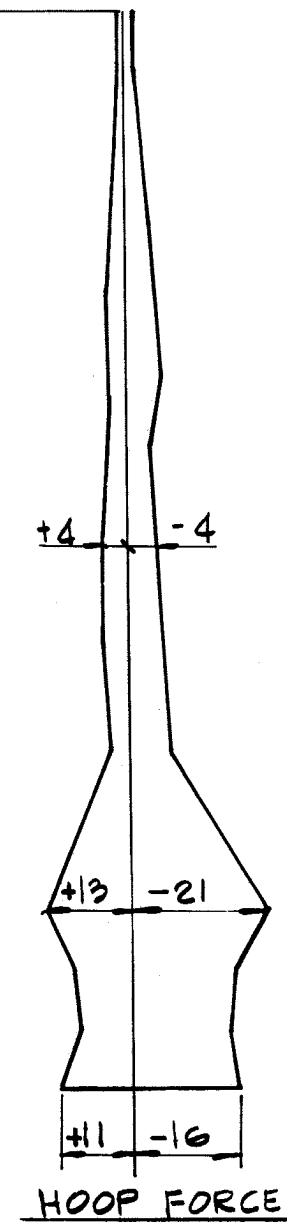
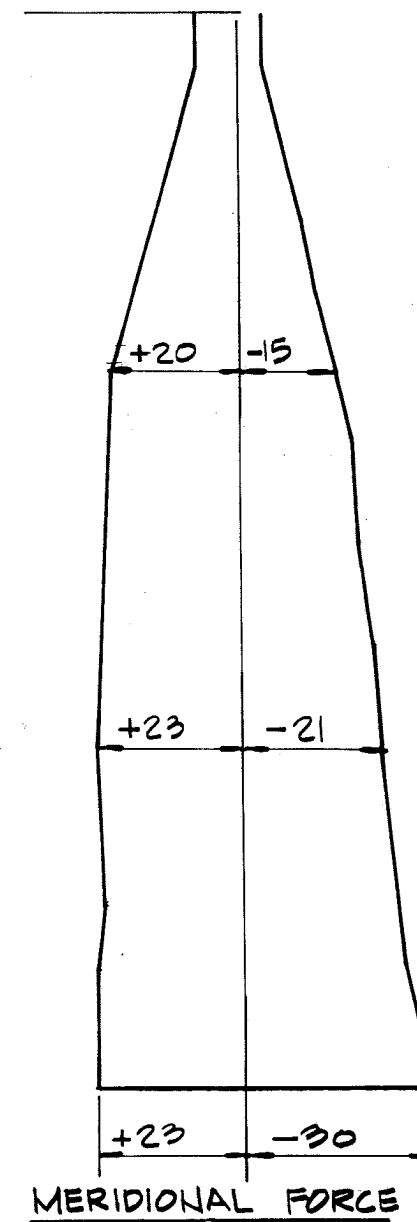
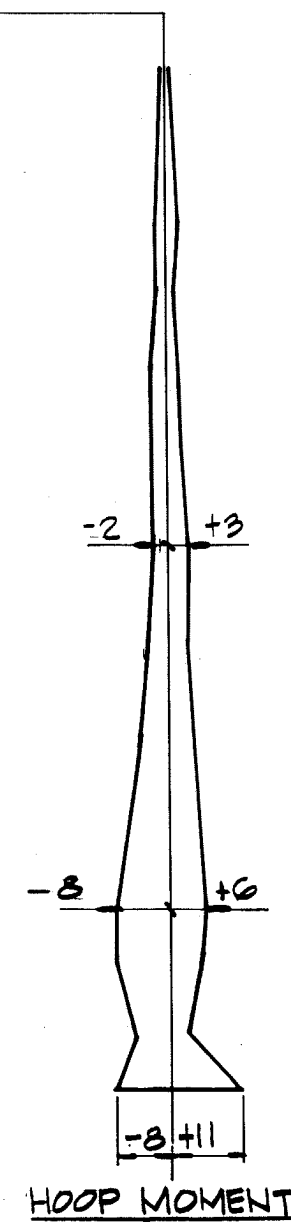
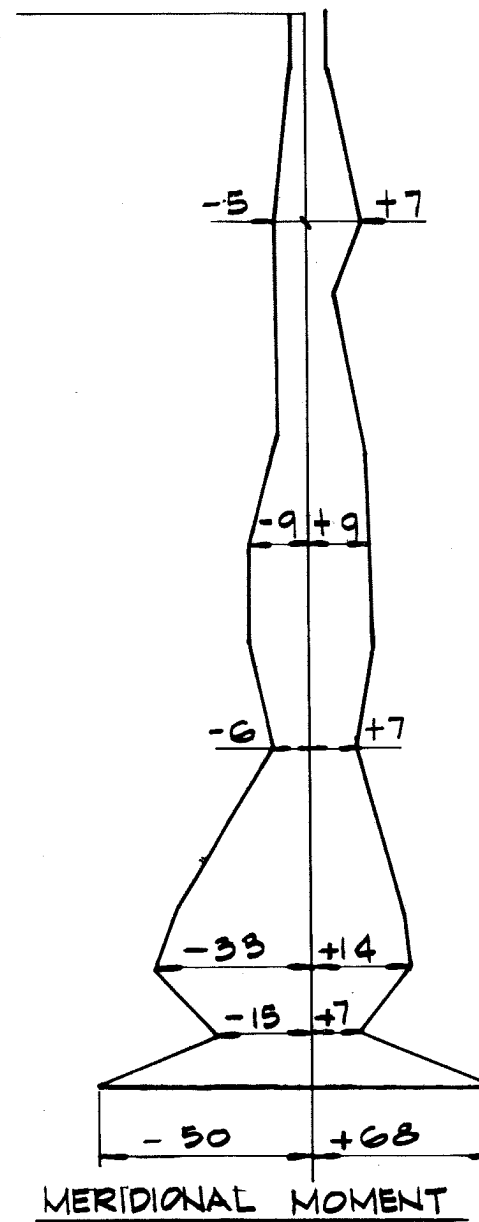
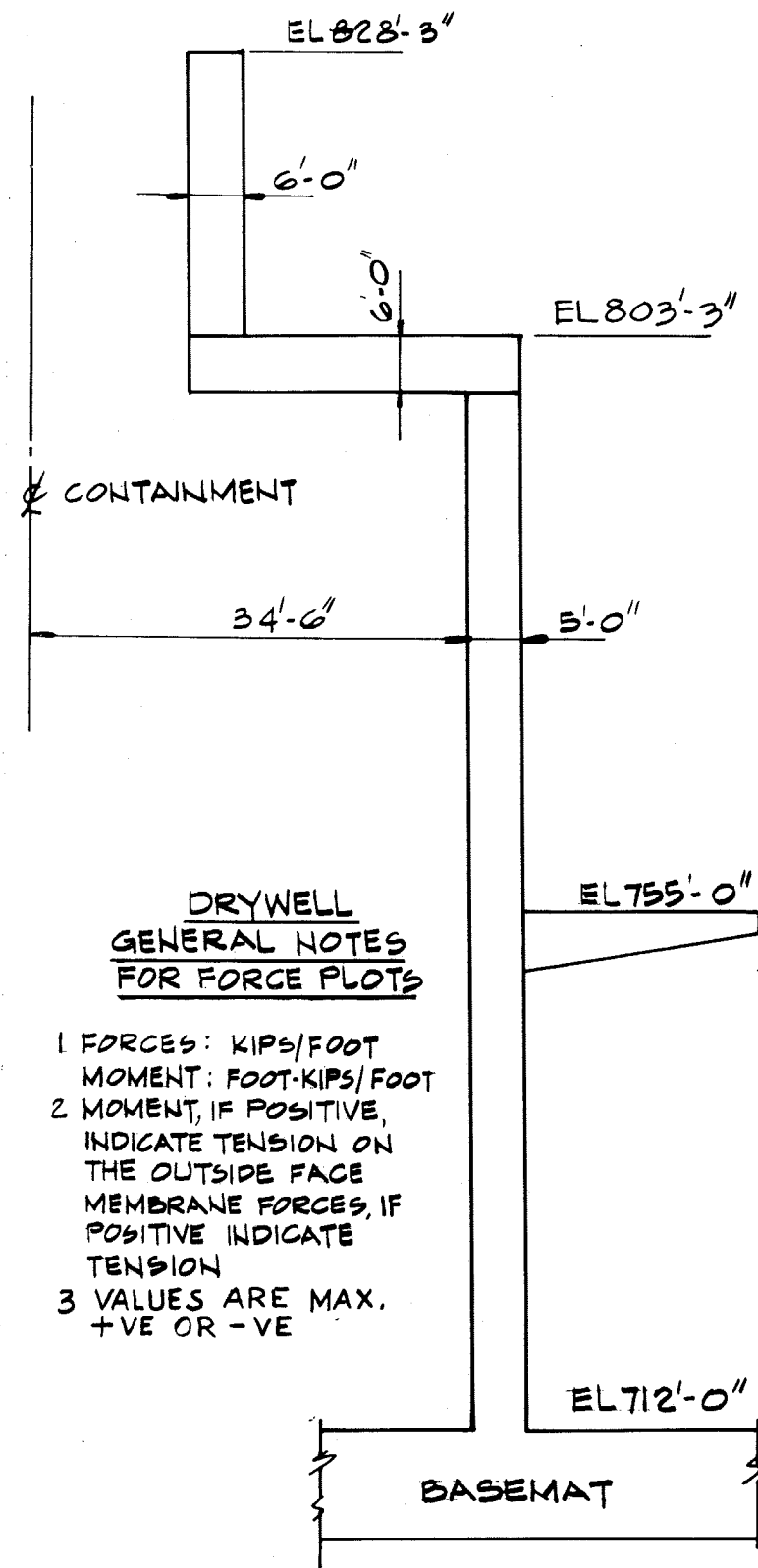
FORCE PLOTS CONTAINMENT WALL -
LOCA - CONDENSATION OSCILLATION



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FIGURE B3.8-5

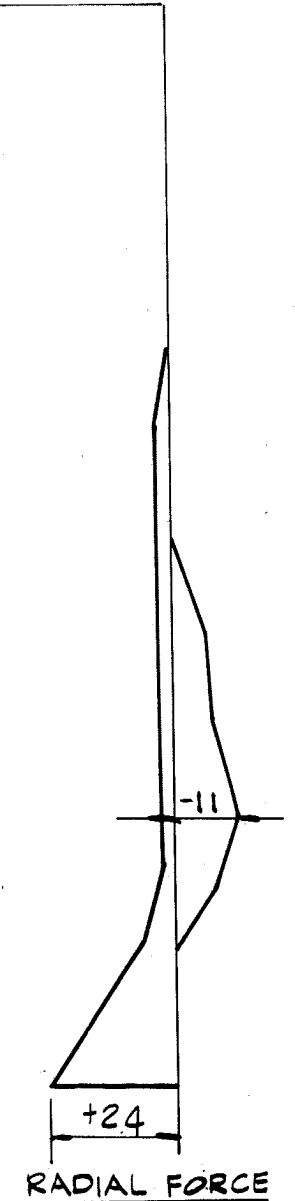
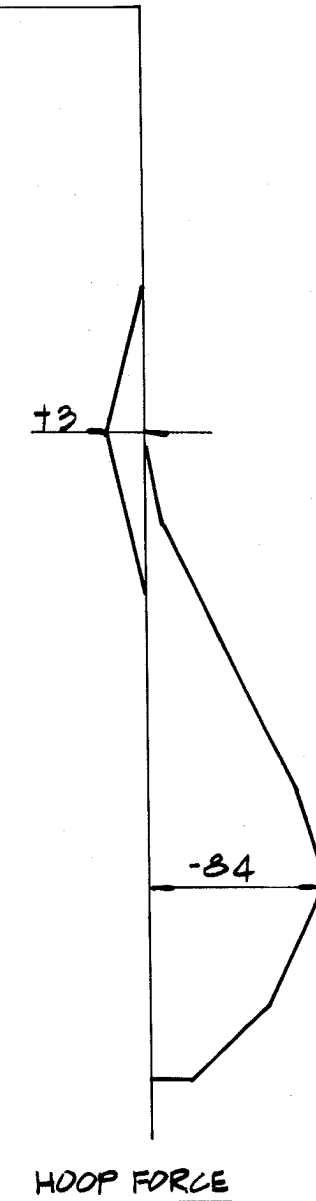
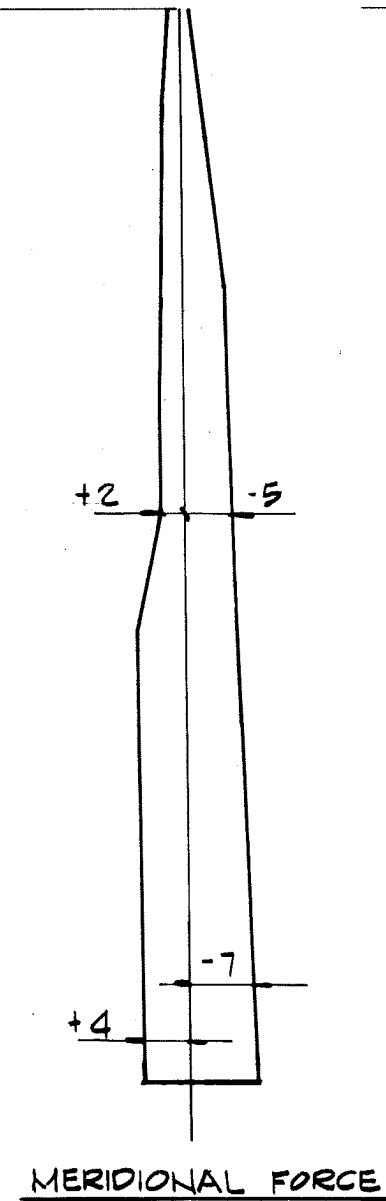
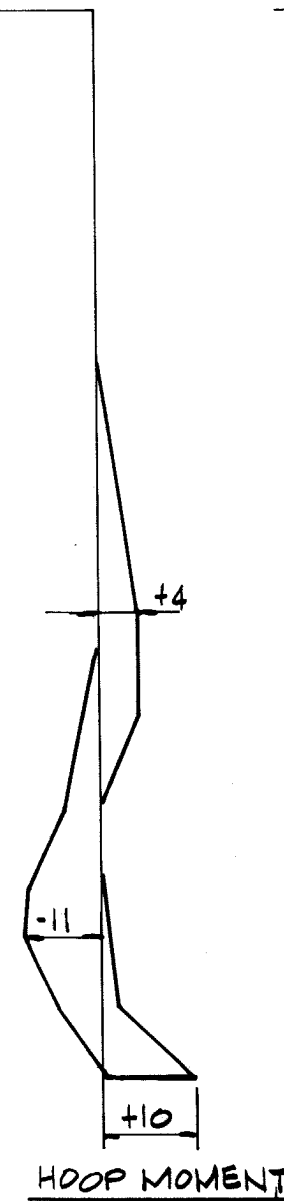
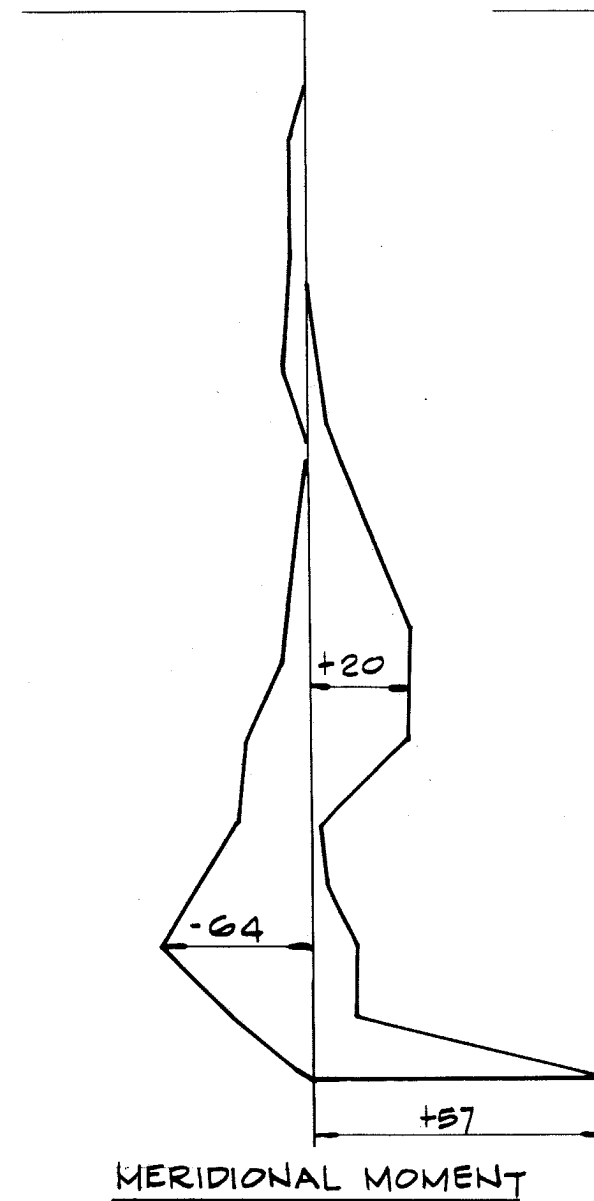
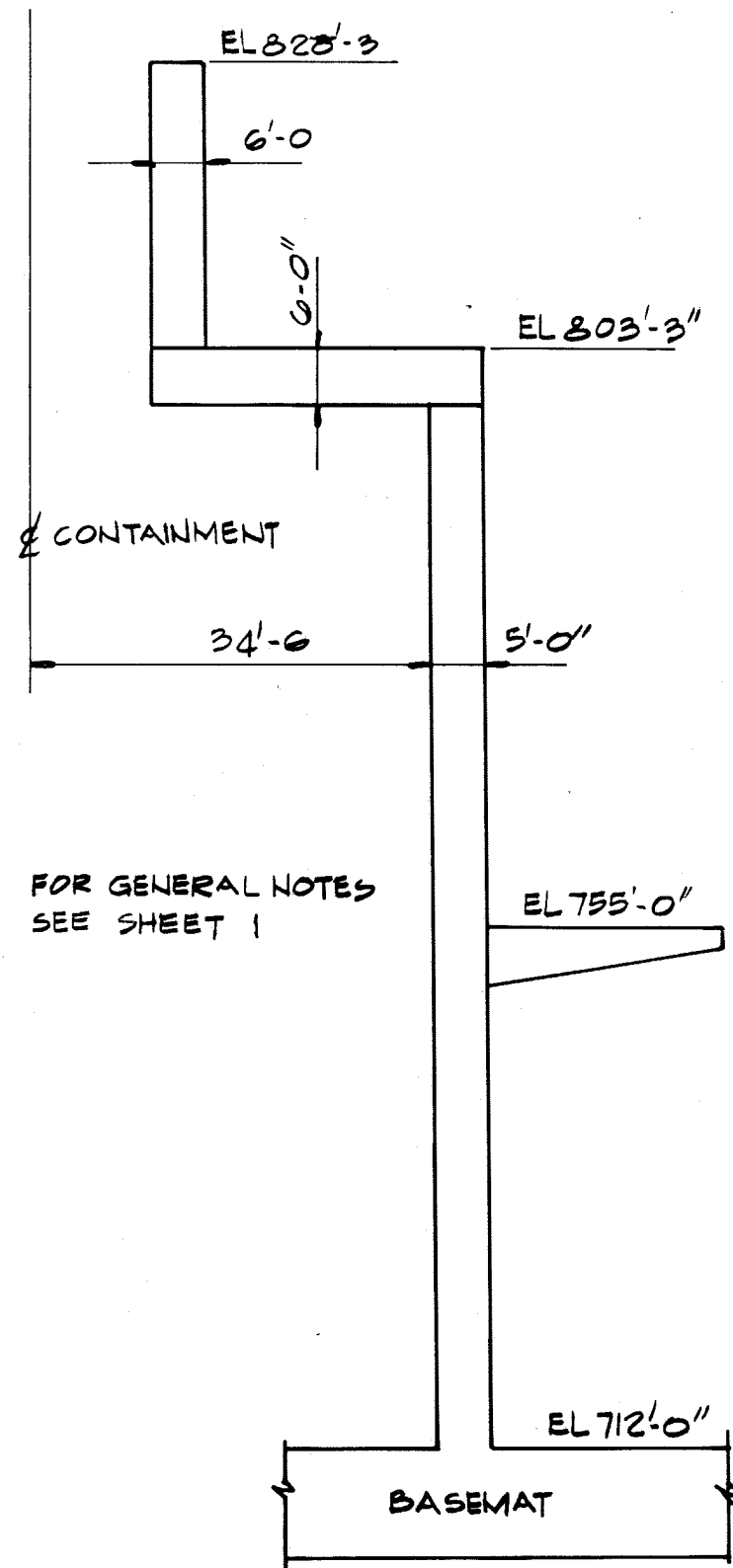
FORCE PLOTS CONTAINMENT
WALL - LOCA CHUGGING



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FIGURE B3.8-6

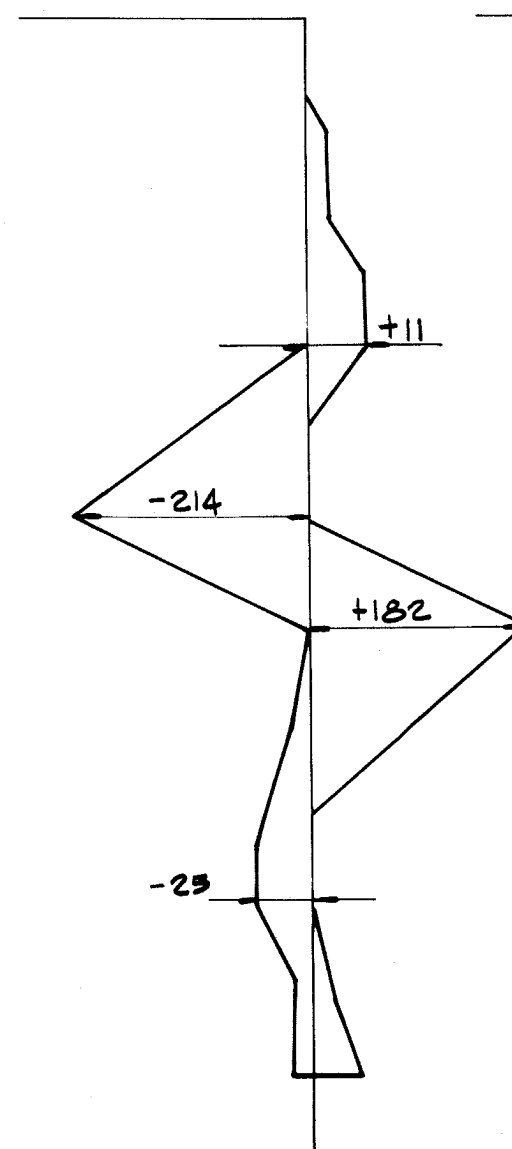
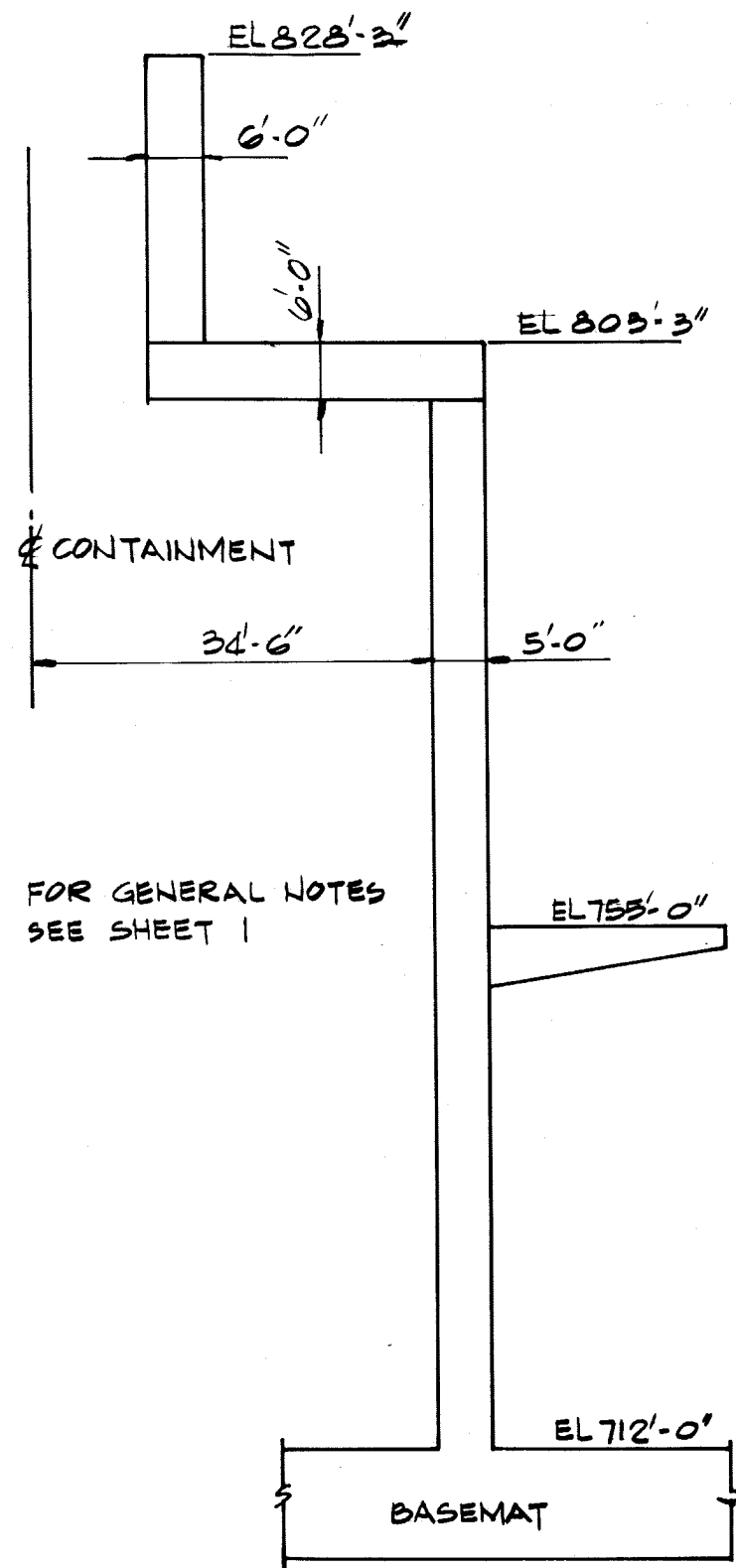
FORCE PLOTS DRYWELL SRV -
ALL VALVE



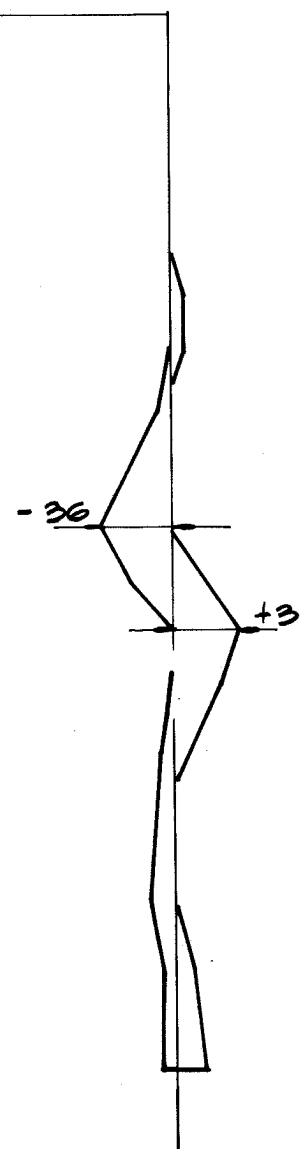
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FIGURE B3.8-7

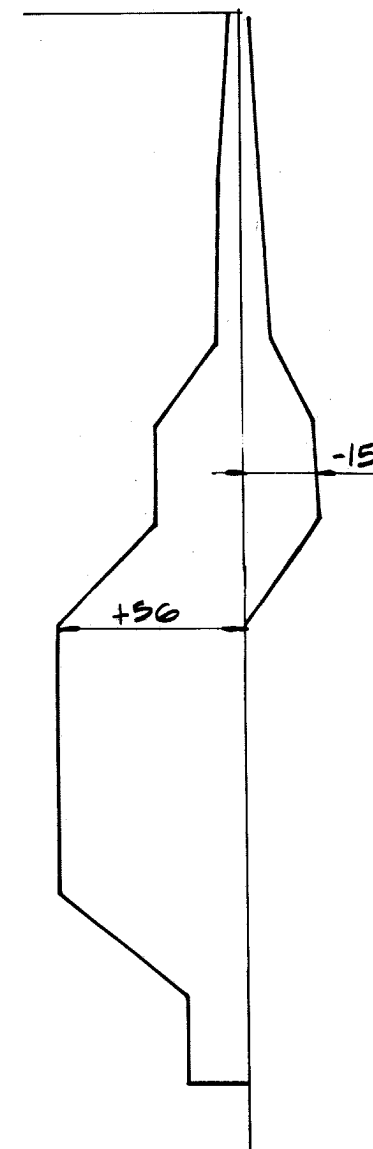
FORCE PLOTS DRYWELL LOCA BUBBLE



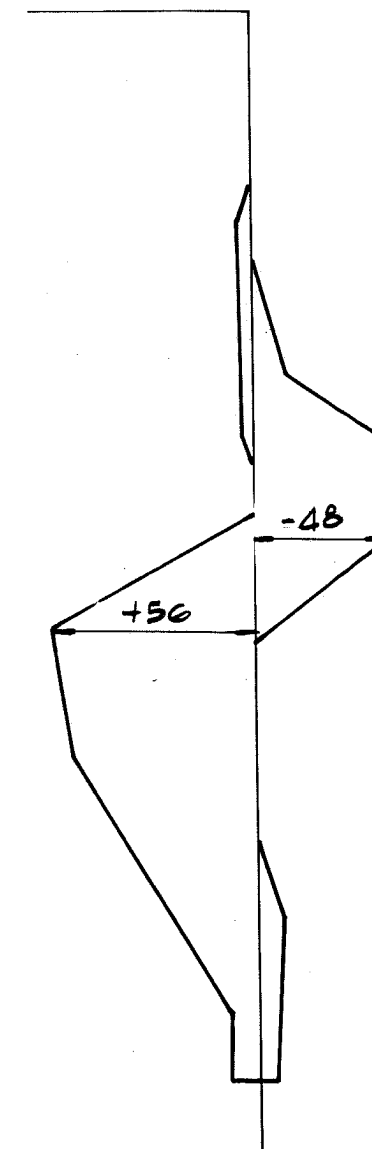
MERIDIONAL MOMENT



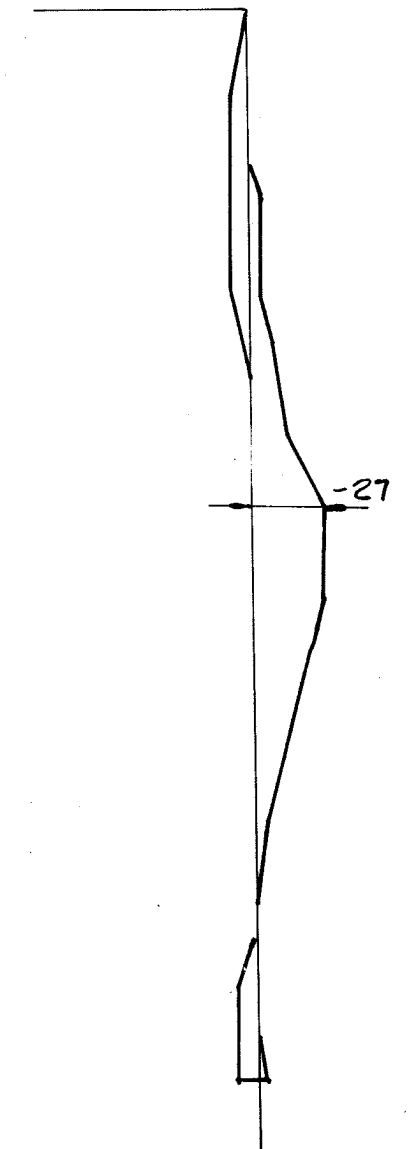
HOOP MOMENT



MERIDIONAL FORCE



HOOP FORCE

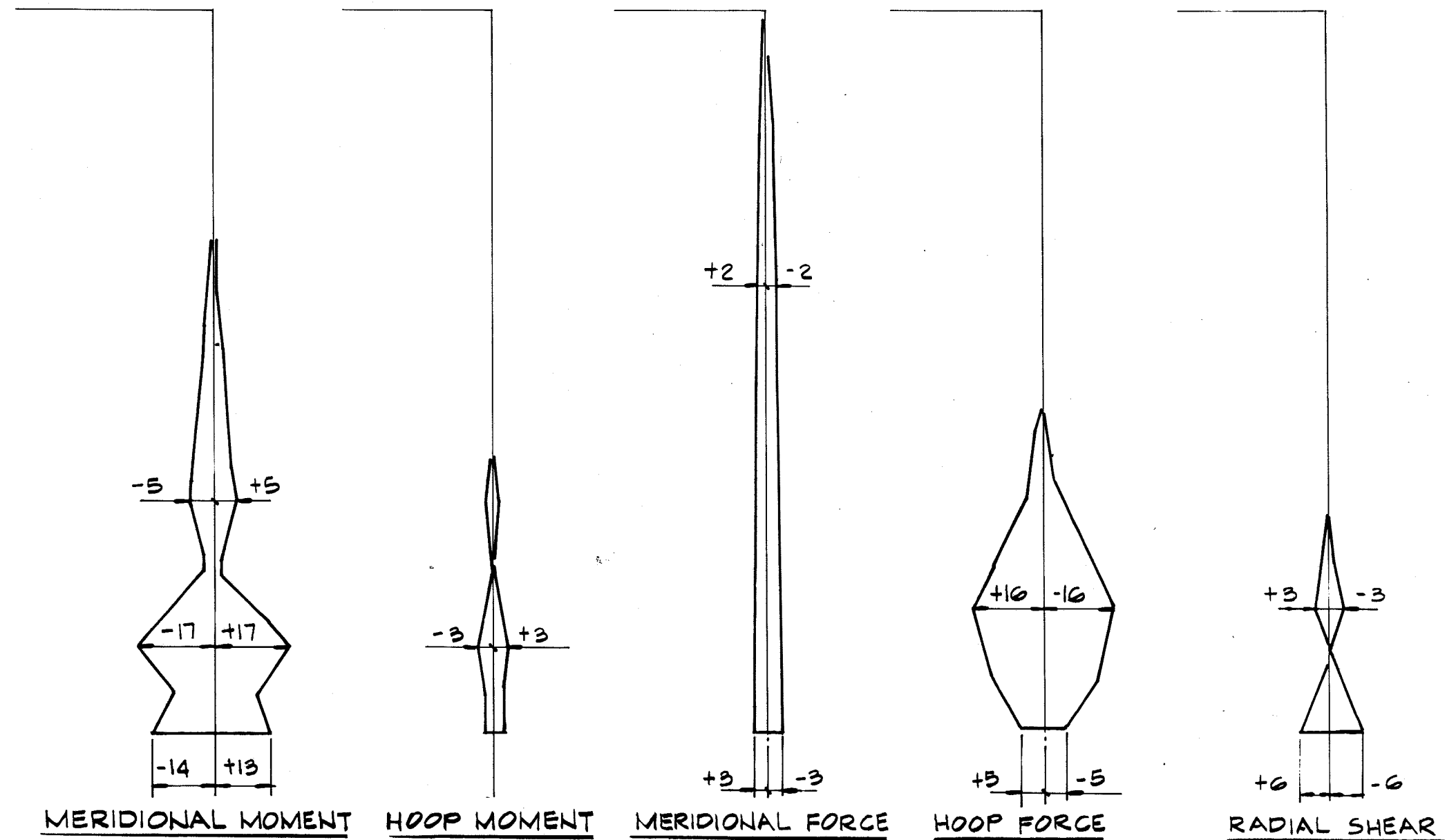
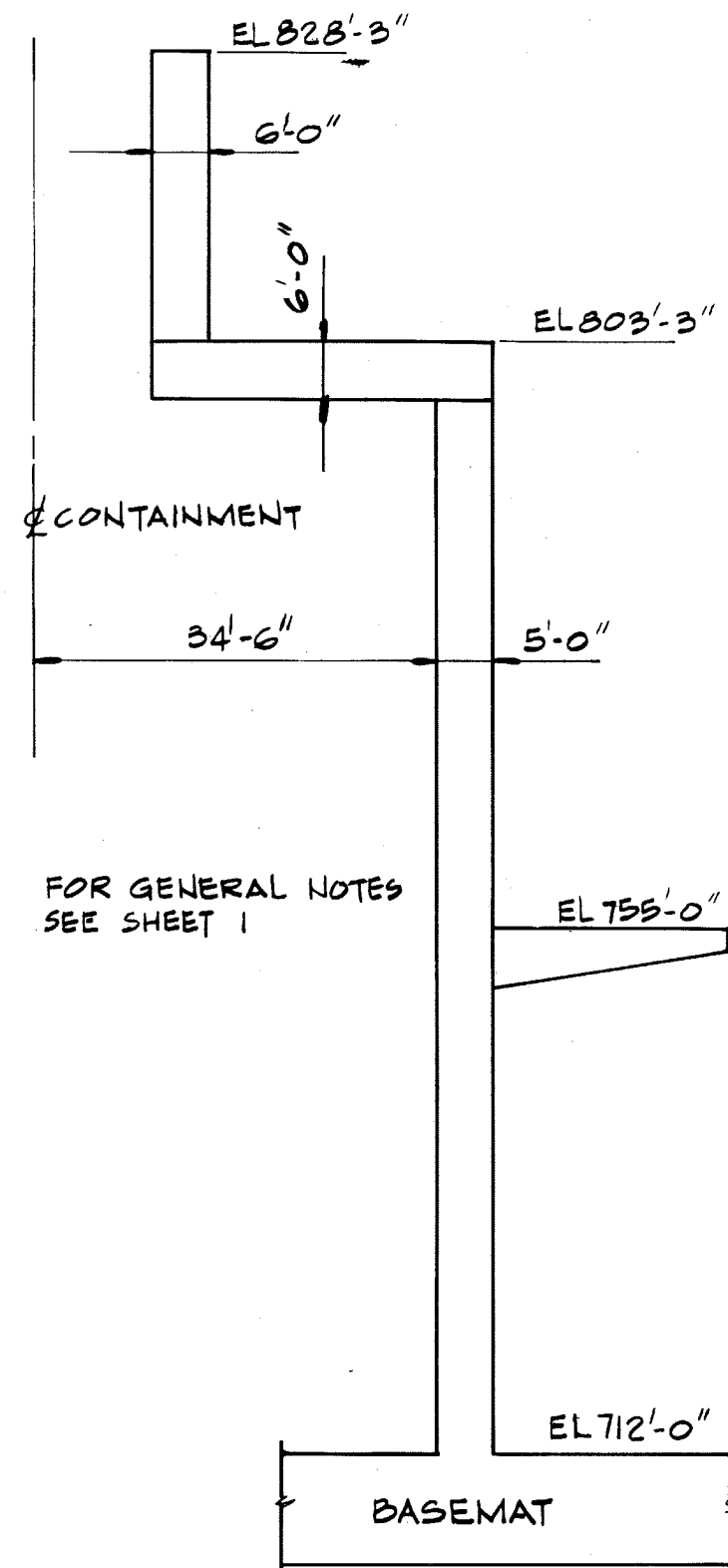


RADIAL SHEAR

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FIGURE B3.8-8

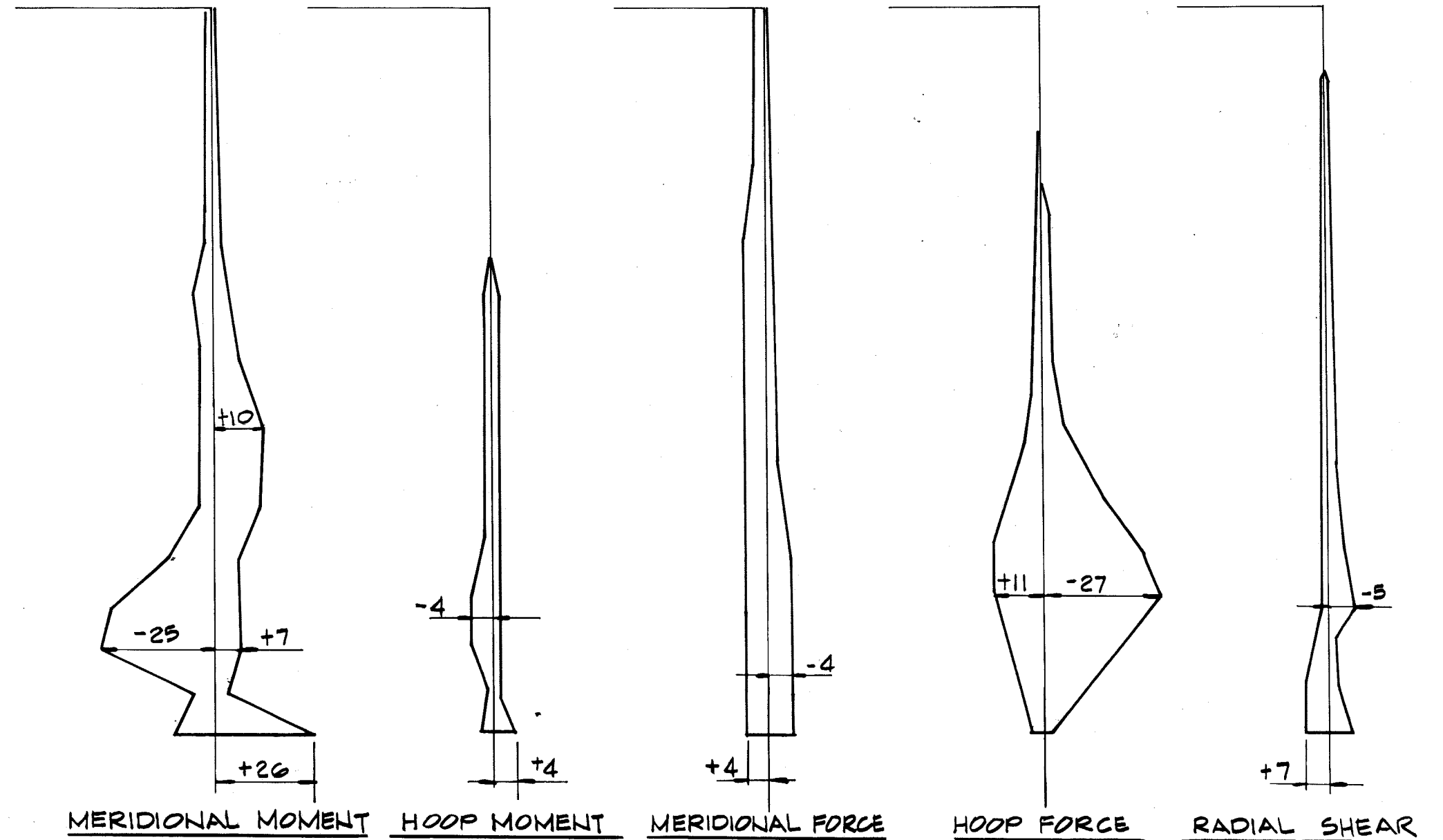
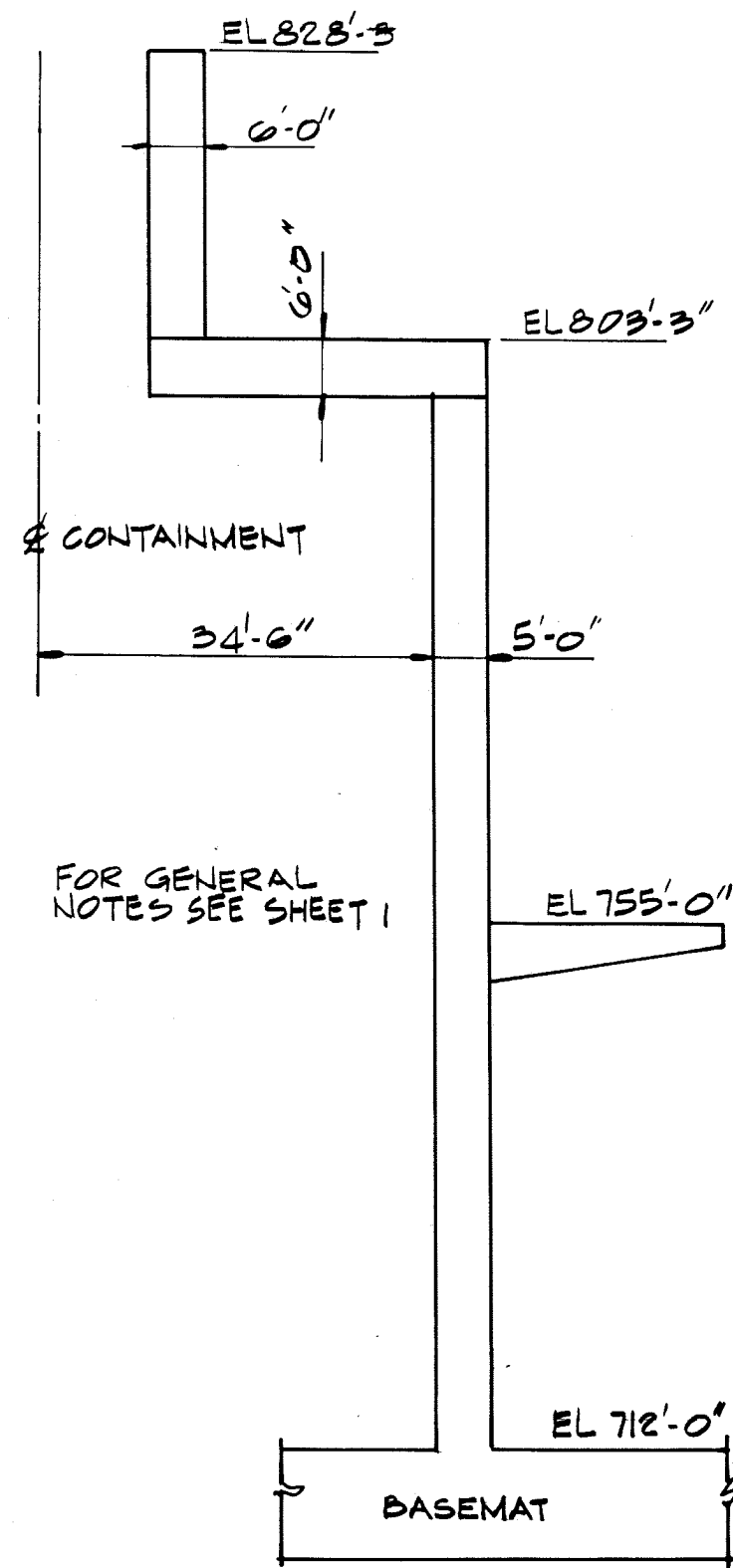
FORCE PLOTS DRYWELL LOCA -
FROTH IMPINGEMENT



CLINTON POWER STATION
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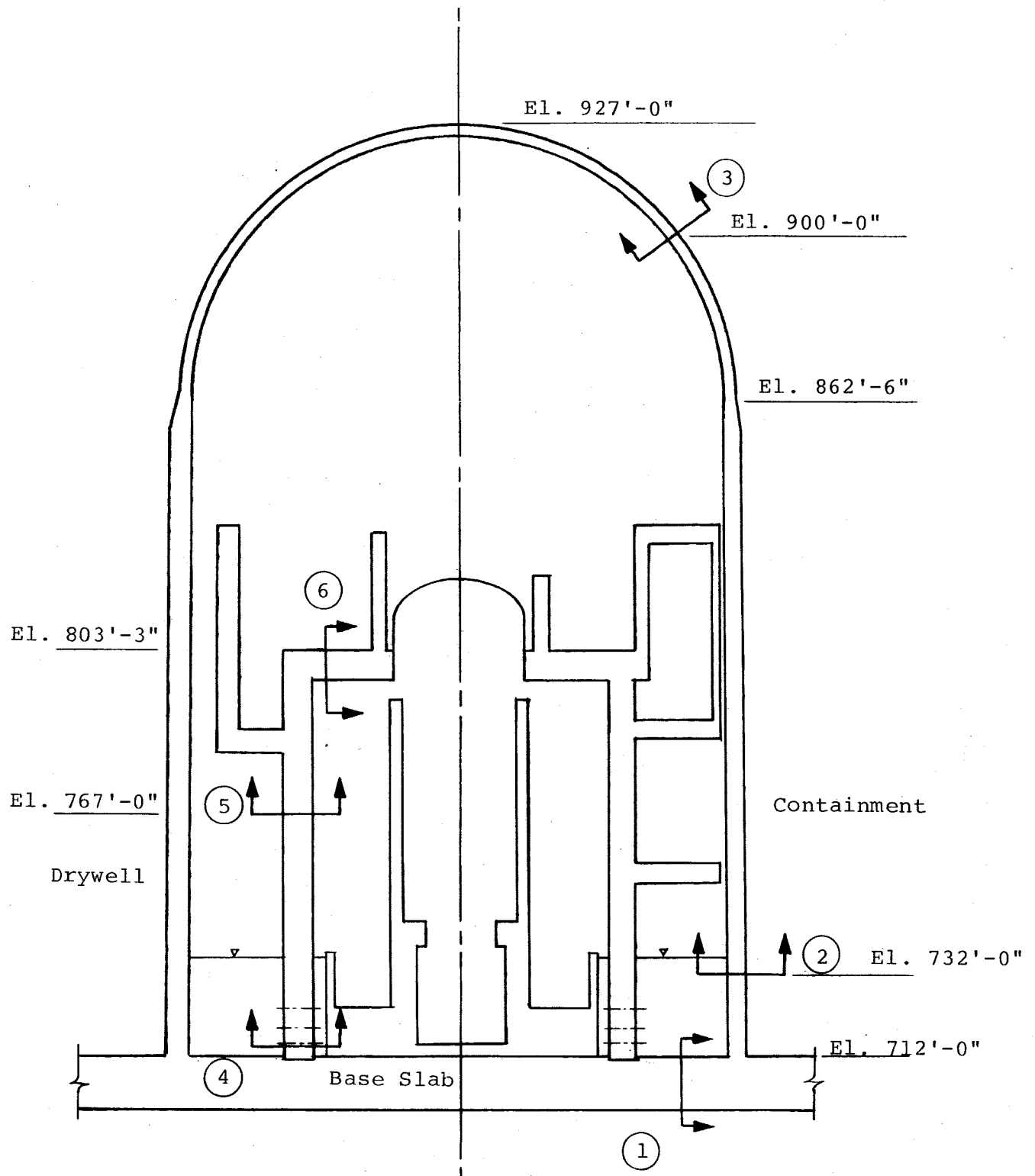
FIGURE B3.8-9

FORCE PLOTS DRYWELL LOCA -
CONDENSATION OSCILLATION



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FIGURE B3.8-10
FORCE PLOTS DRYWELL LOCA -
CHUGGING



**CLINTON POWER STATION
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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

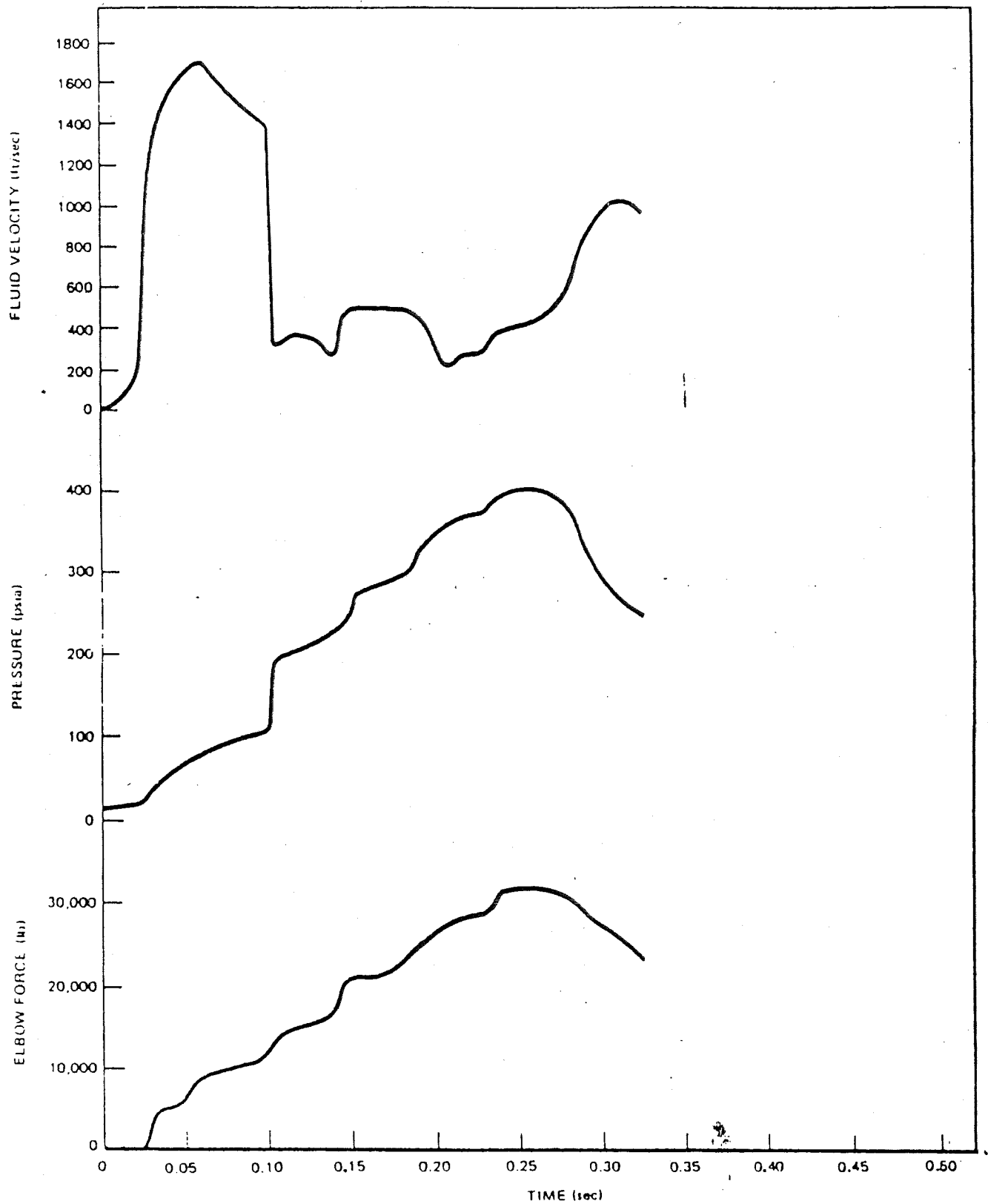


Figure 3.9-6. Typical Relief Valve Transient

CPS-USAR

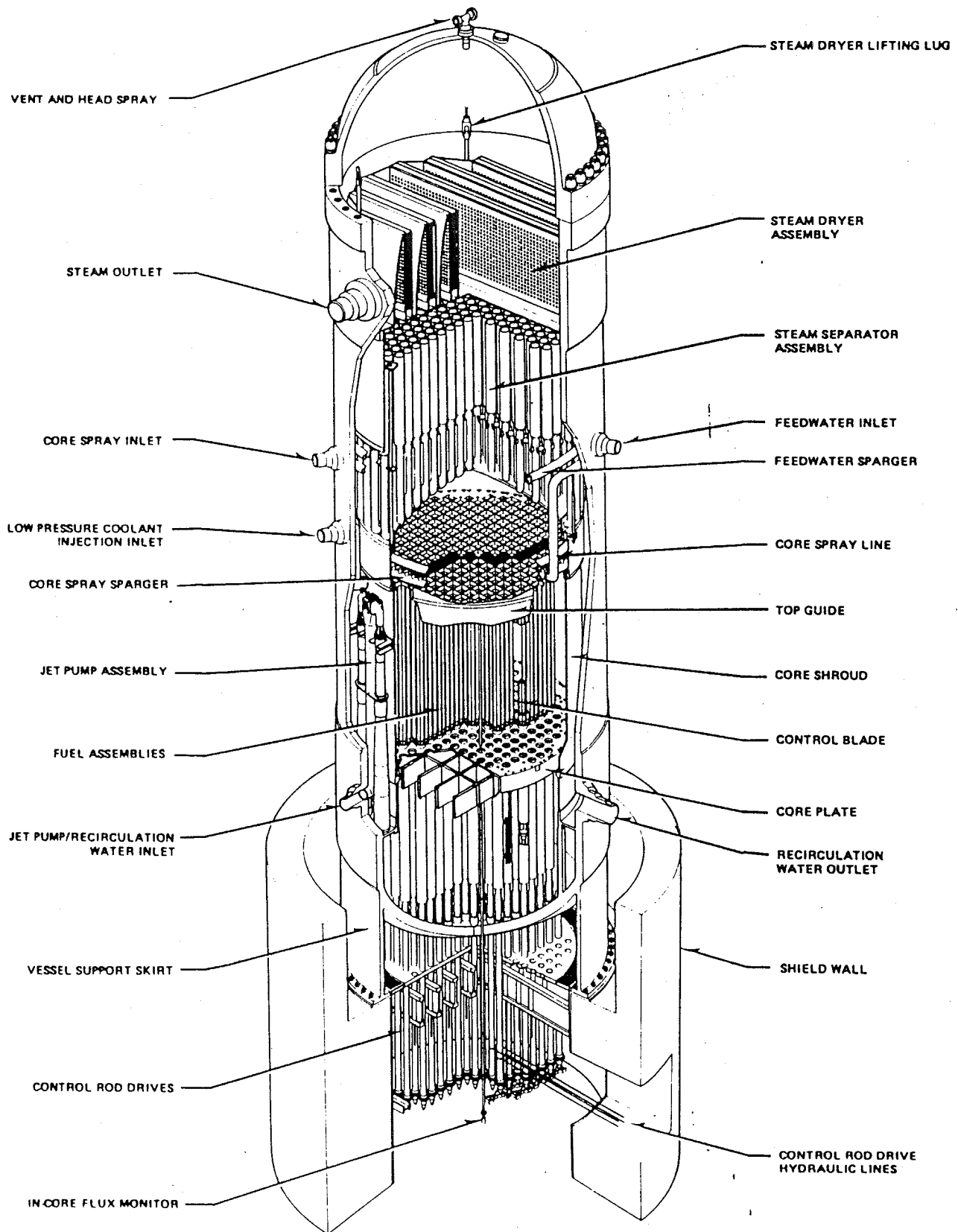


Figure 3.9-7. Reactor Vessel Cutaway

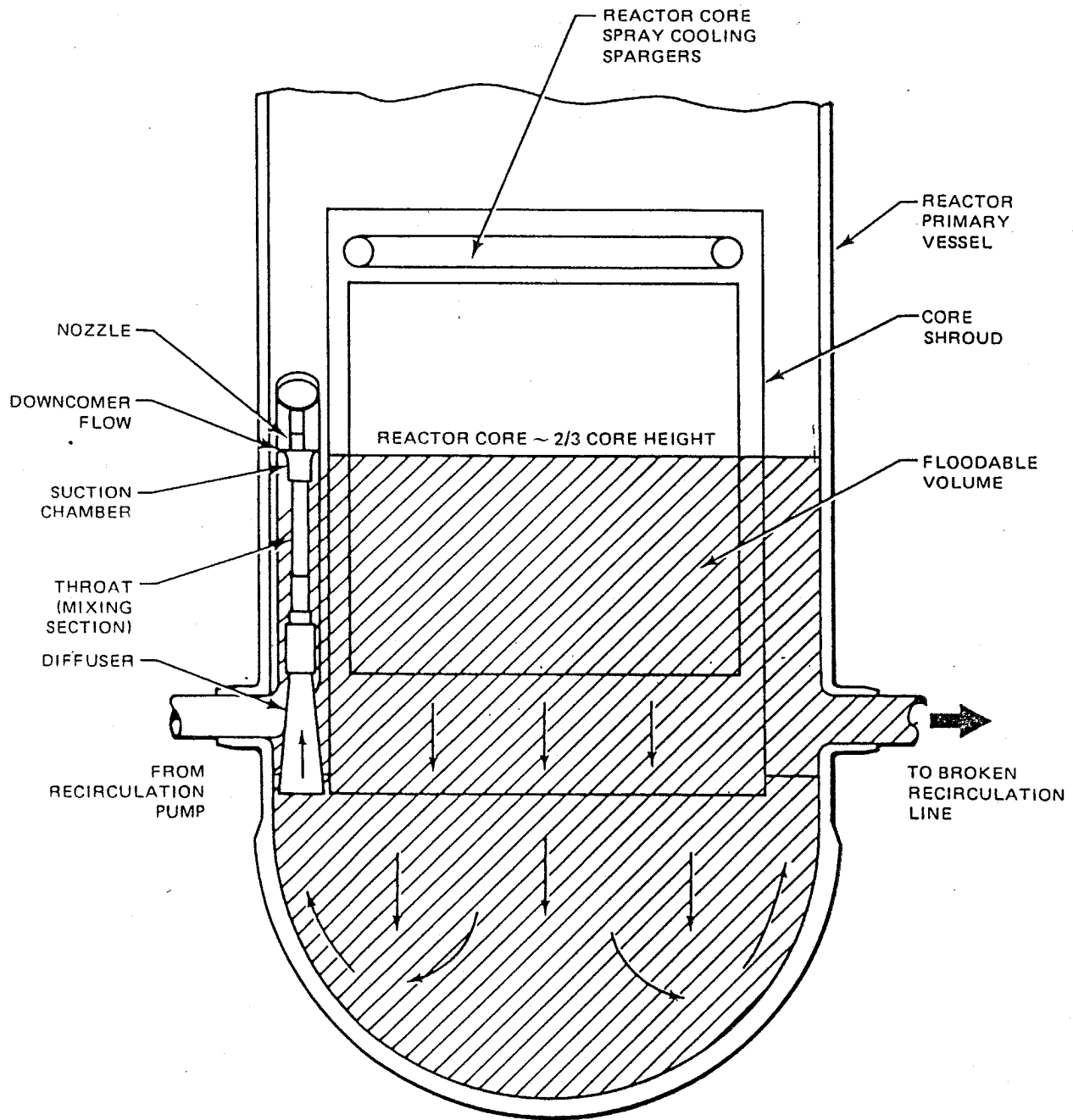


Figure 3.9-8 REACTOR INTERNALS FLOW PATHS

CPS-USAR

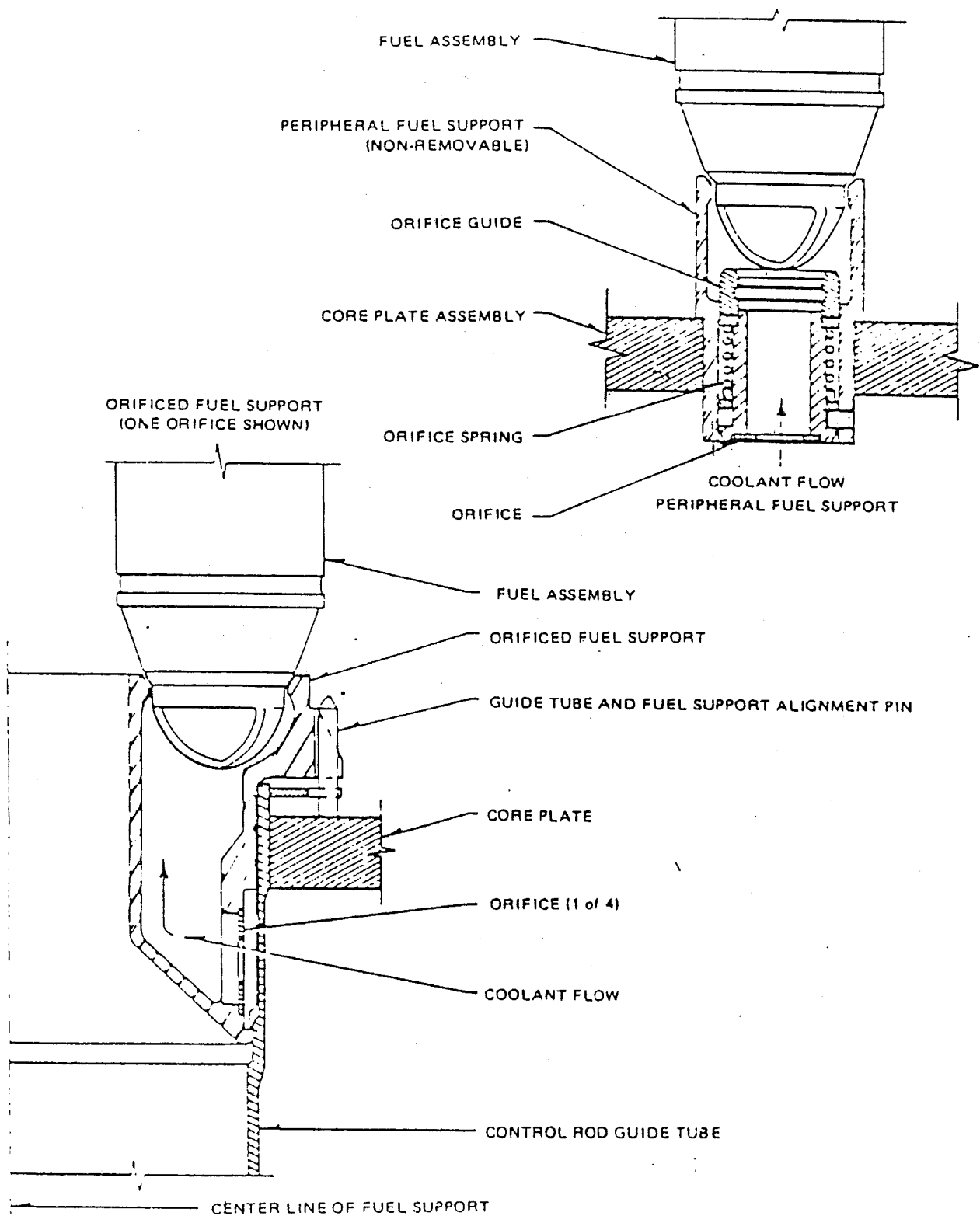


Figure 3.9-9. Fuel Support Pieces

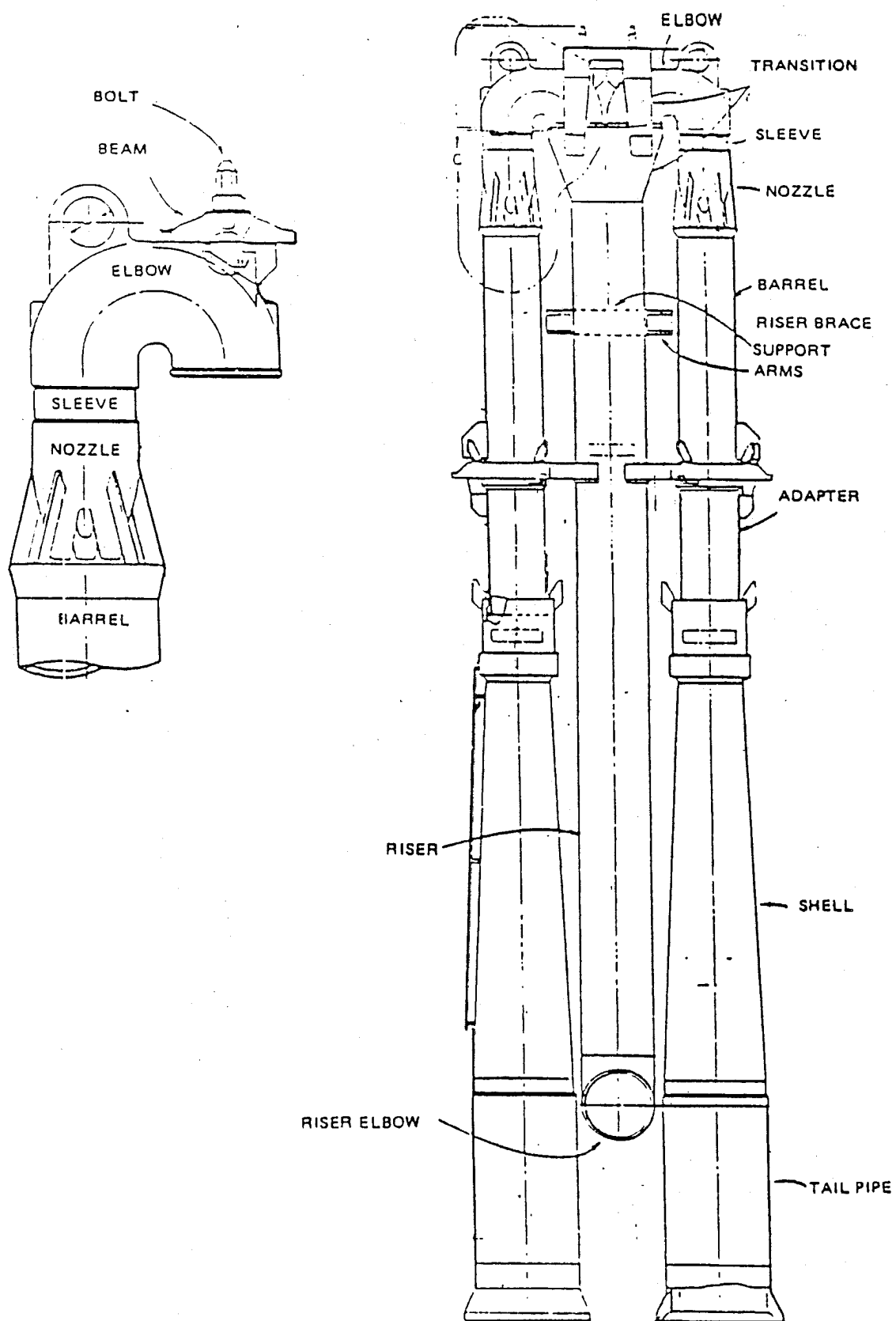
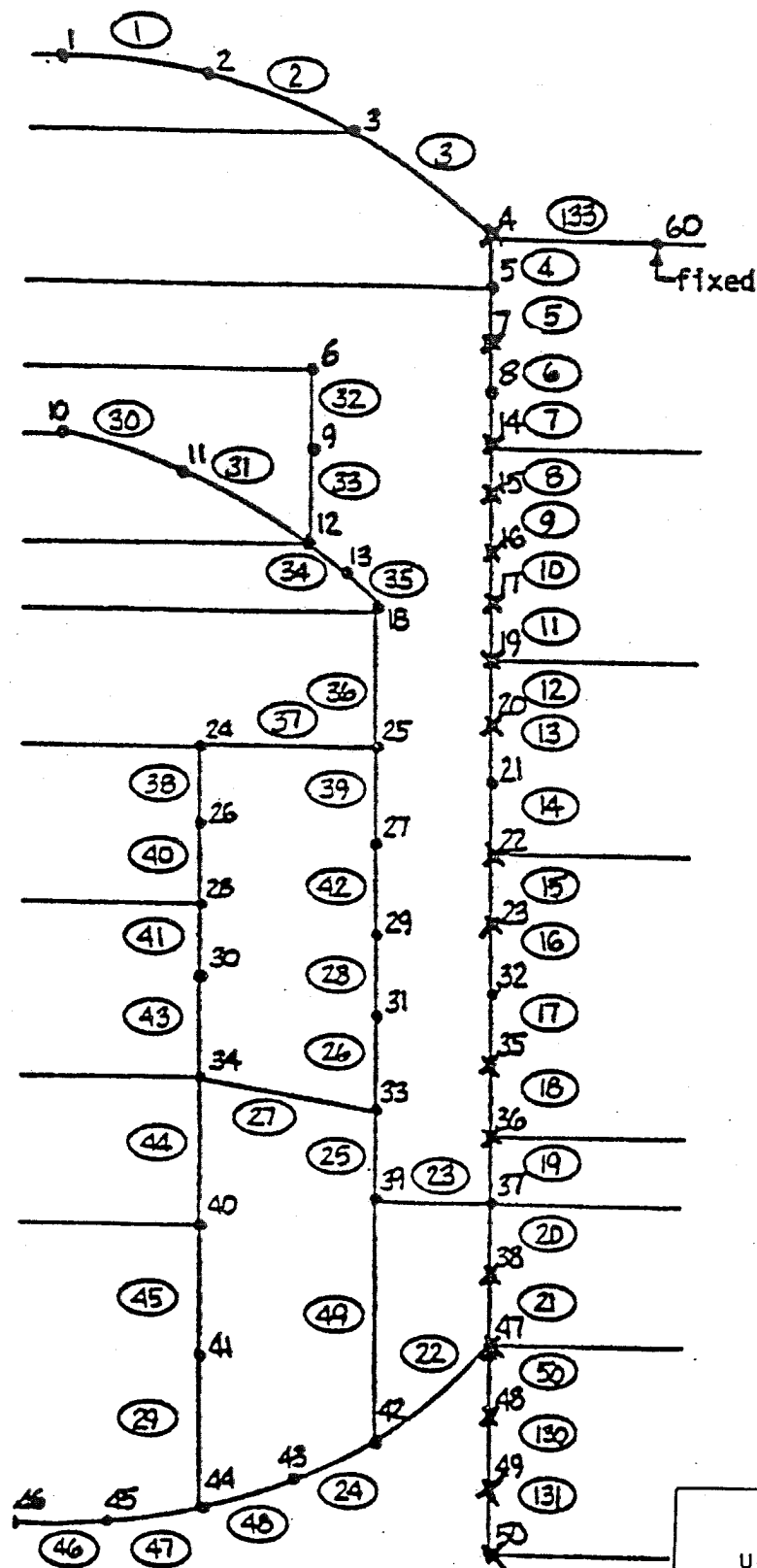




Figure 3.9-10. Jet Pump

Figure 3.9-11. Pressure Nodes Used for Depressurization Analysis

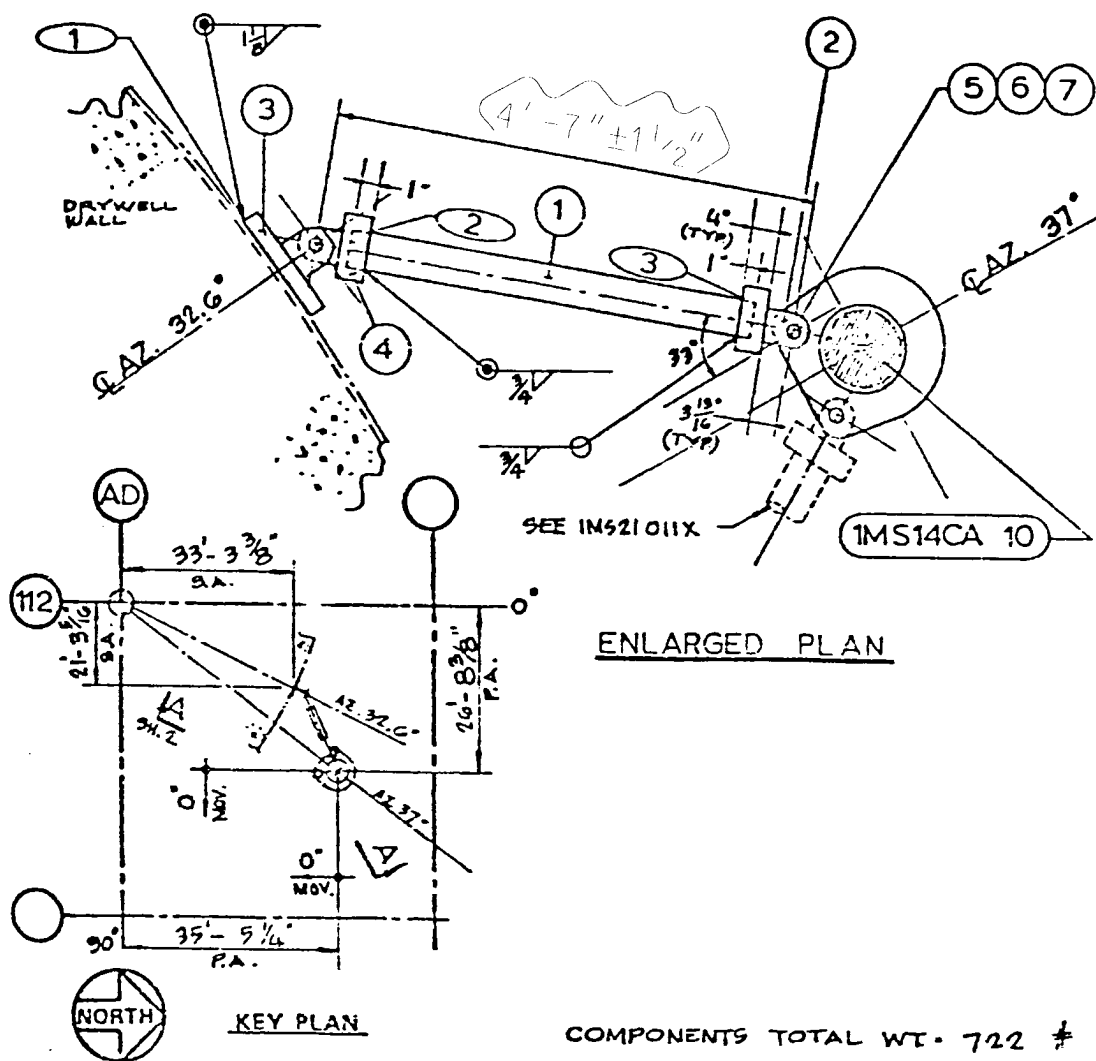


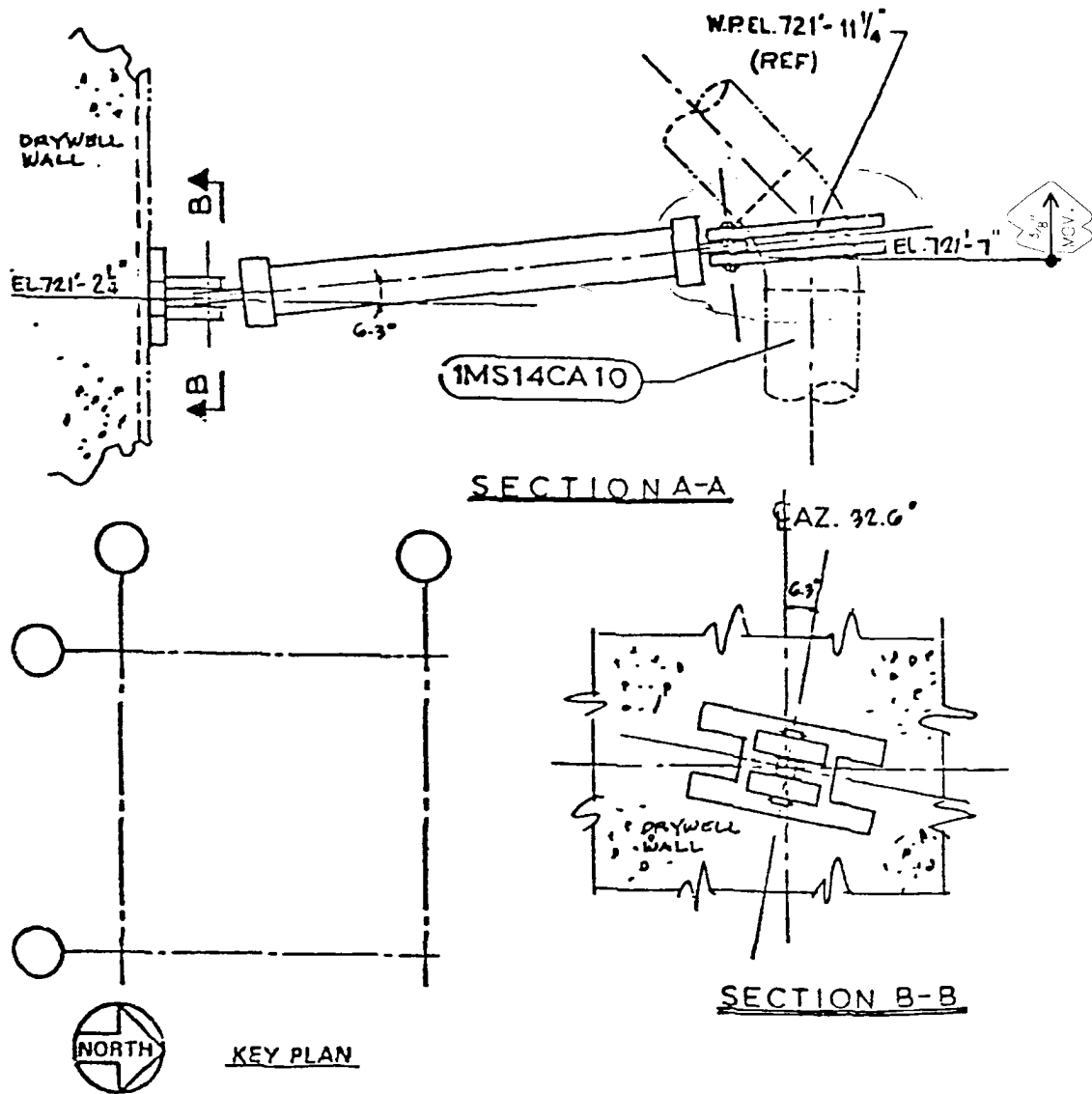
LEGEND	
	SHELL ELEMENT
	MASS POINT

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FIGURE 3.9-12

Q & R MEB (DSER) 67B
REACTOR PRESSURE VESSELS AND
INTERNALS HORIZONTAL SHELL MATH
MODEL

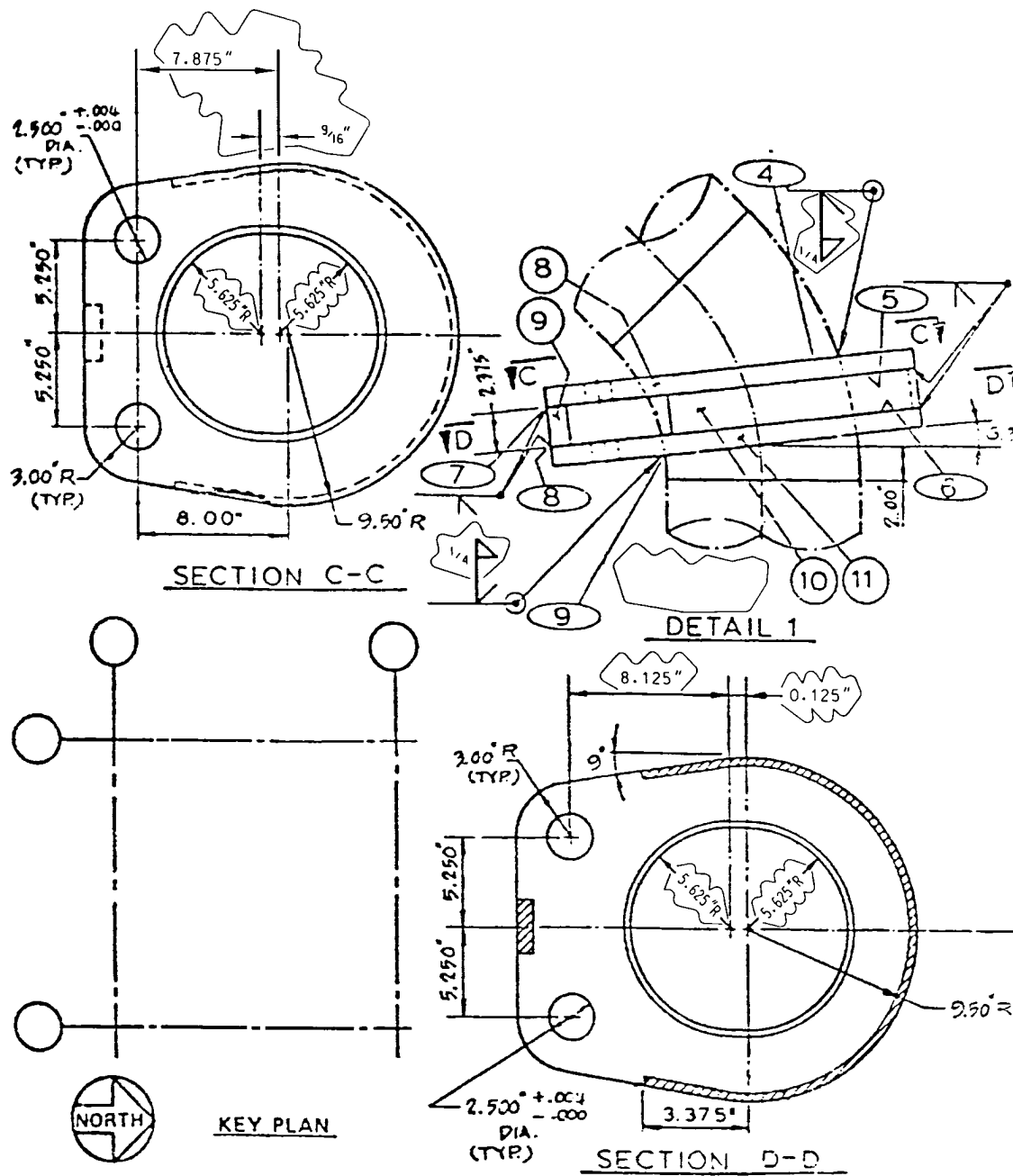




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Figure 3.9-13
(Q & R 210.01)

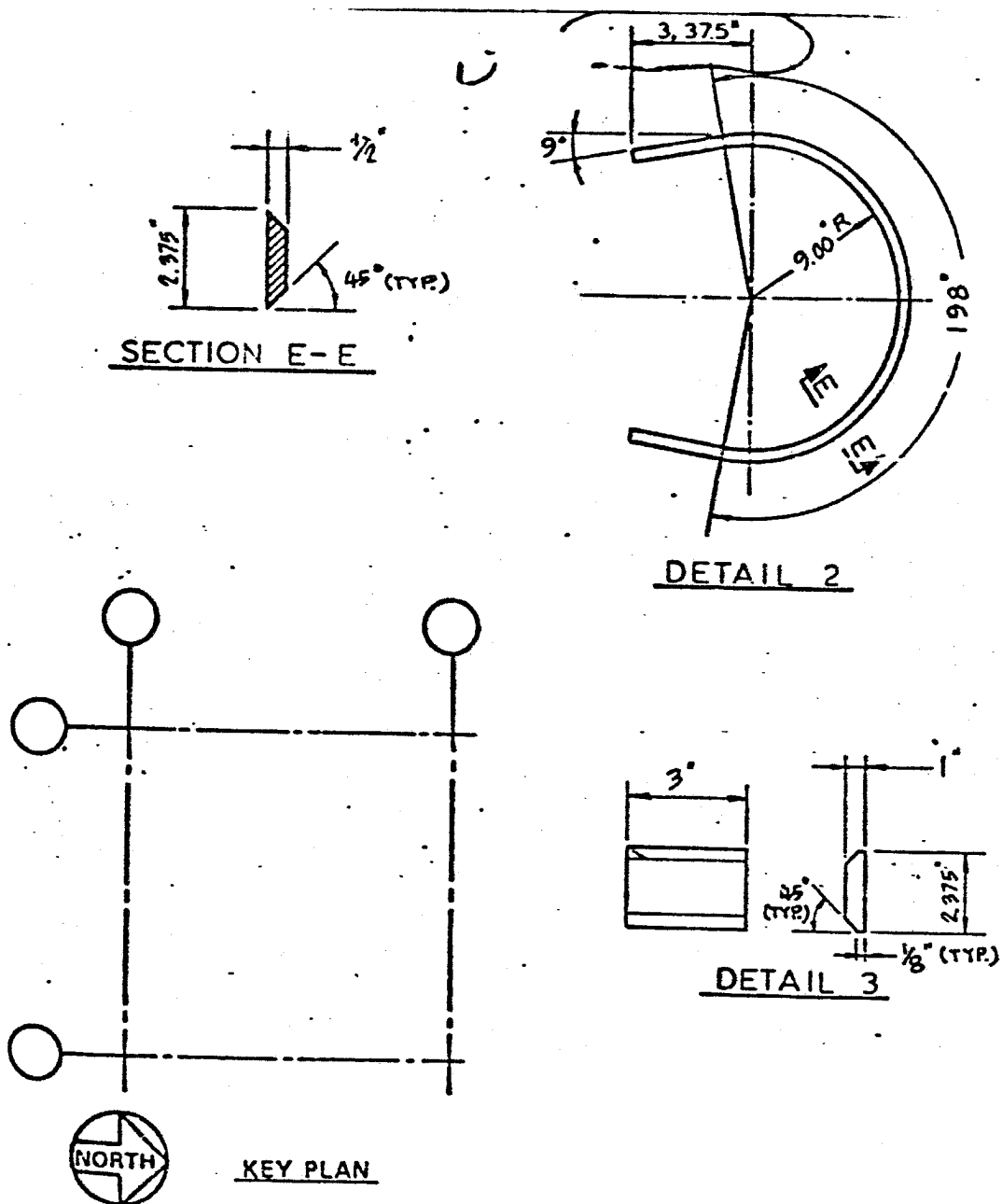
SRV DISCHARGE LINE SUPPORT
WELDED ATTACHMENT DETAIL
SHEET 2 OF 4



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Figure 3.9-13
(Q & R 210.01)
SRV DISCHARGE LINE SUPPORT
WELDED ATTACHMENT DETAIL

SHEET 3 OF 4



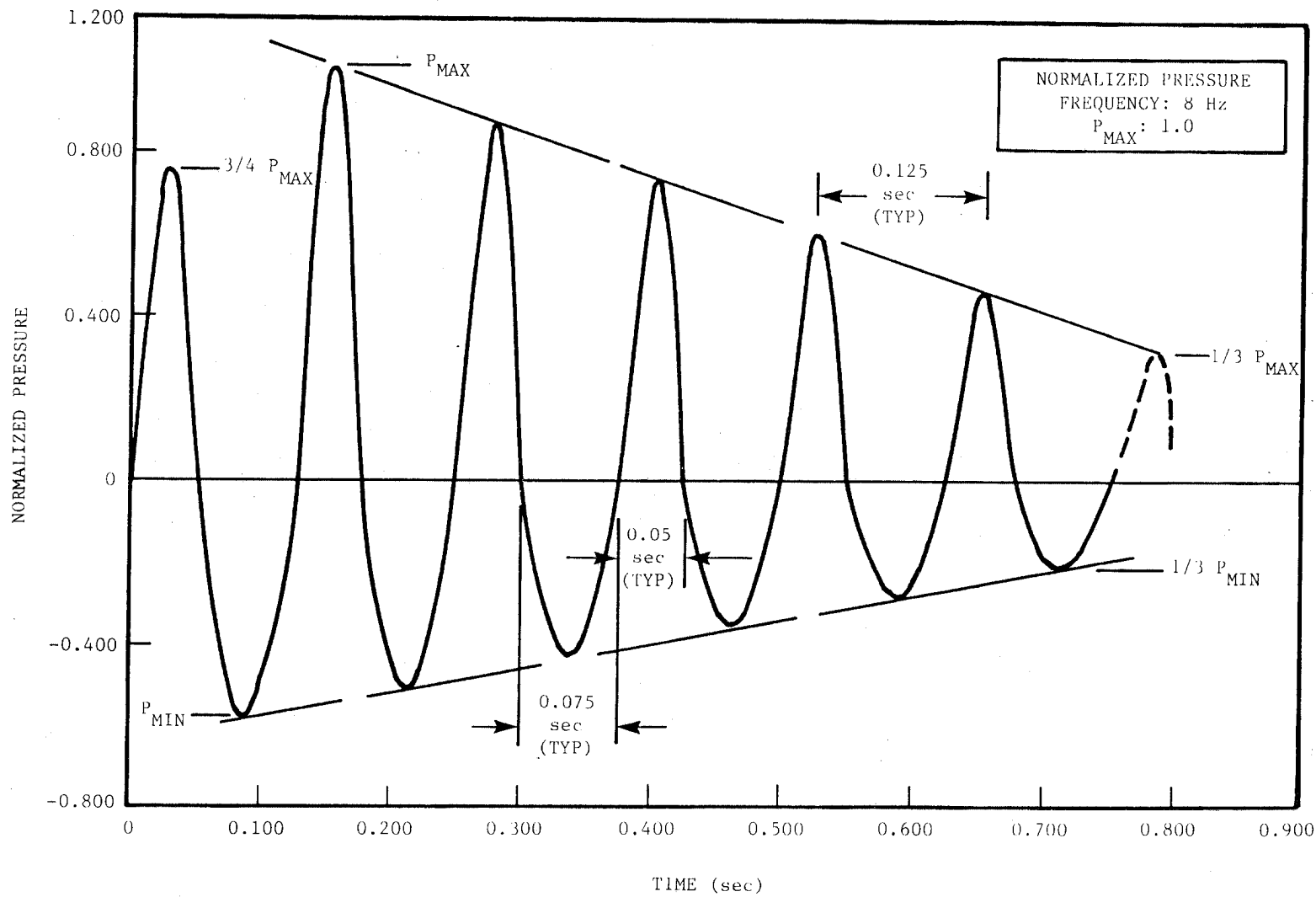
CLINTON POWER STATION
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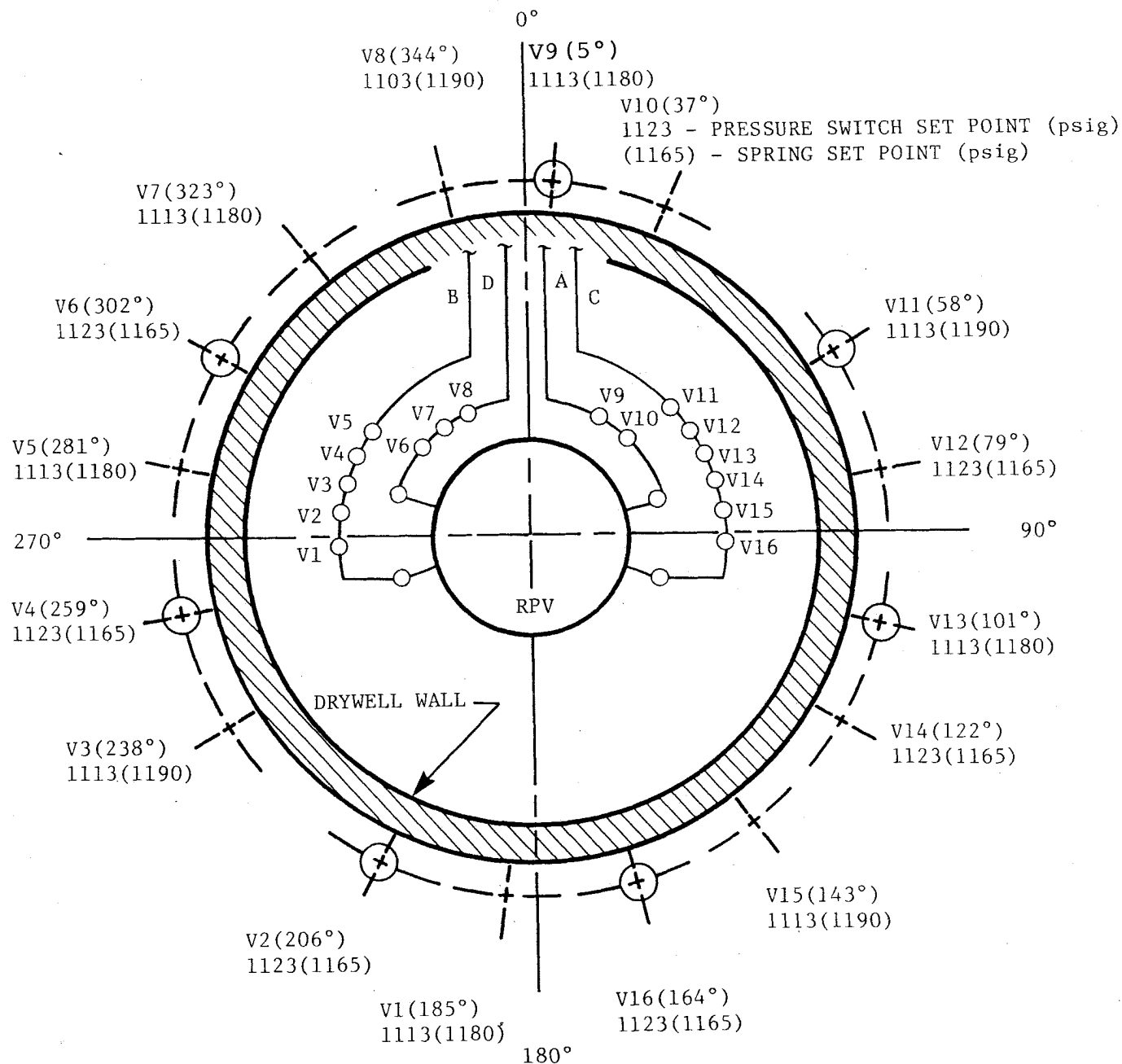
Figure 3.9-13
(Q & R 210.01)

SRV DISCHARGE LINE SUPPORT
WELDED ATTACHMENT DETAIL
SHEET 4 OF 4

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FIGURE A3.9-1
QUENCHER BUBBLE PRESSURE TIME HISTORY

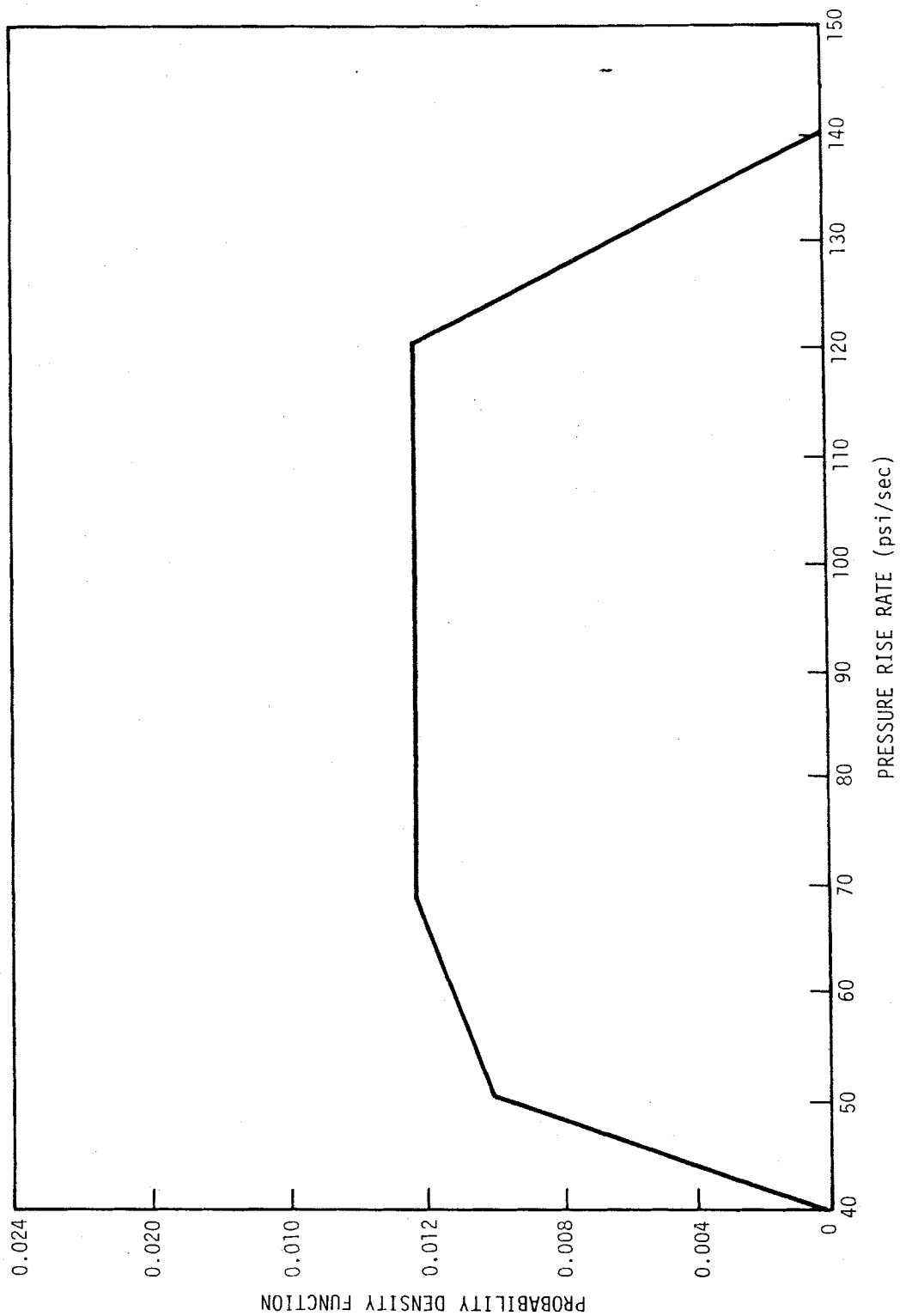




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FIGURE A3.9-2

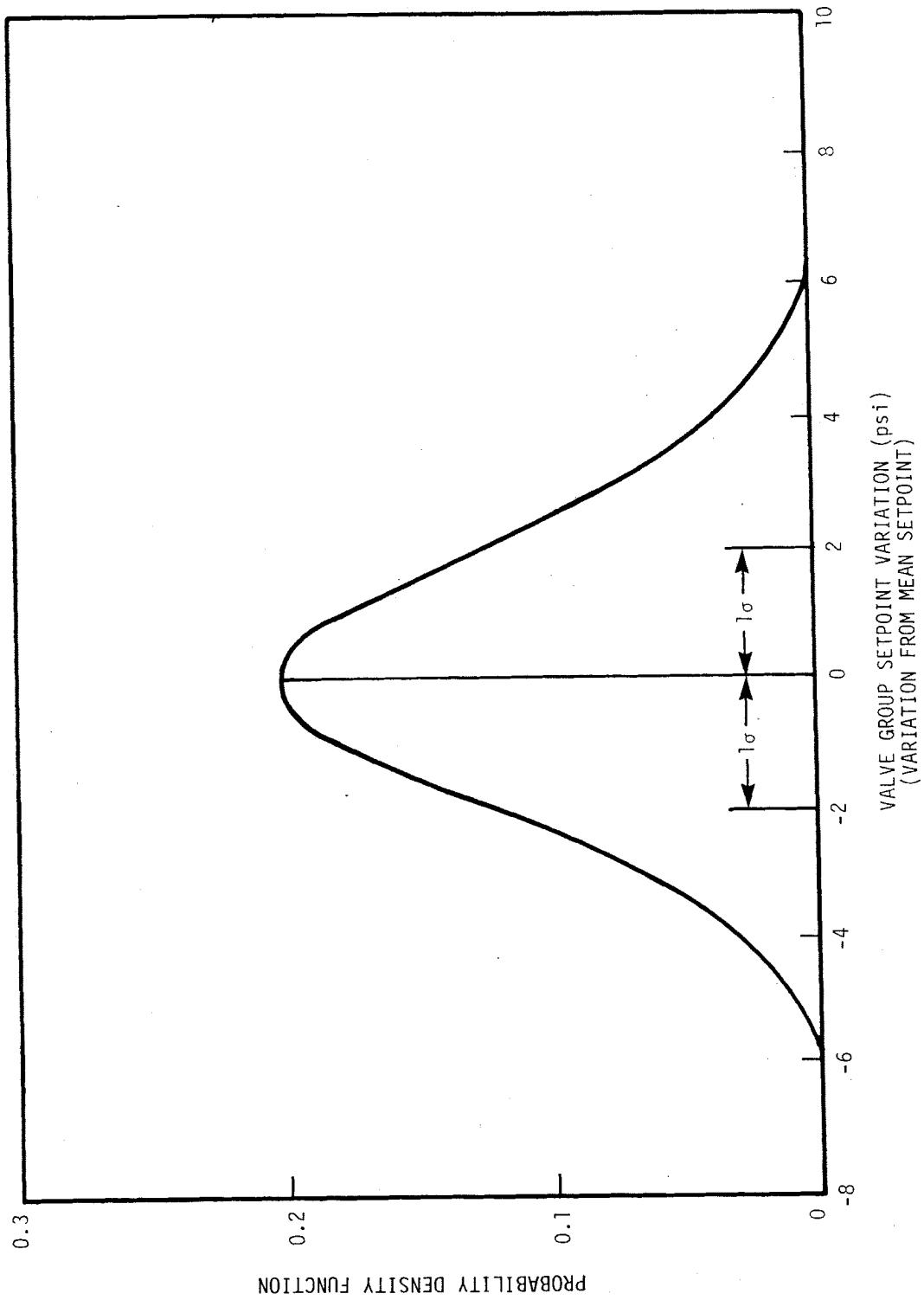
**S/R VALVE DISCHARGE LOCATIONS FOR
218-624 PLANT**



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FIGURE A3.9-3

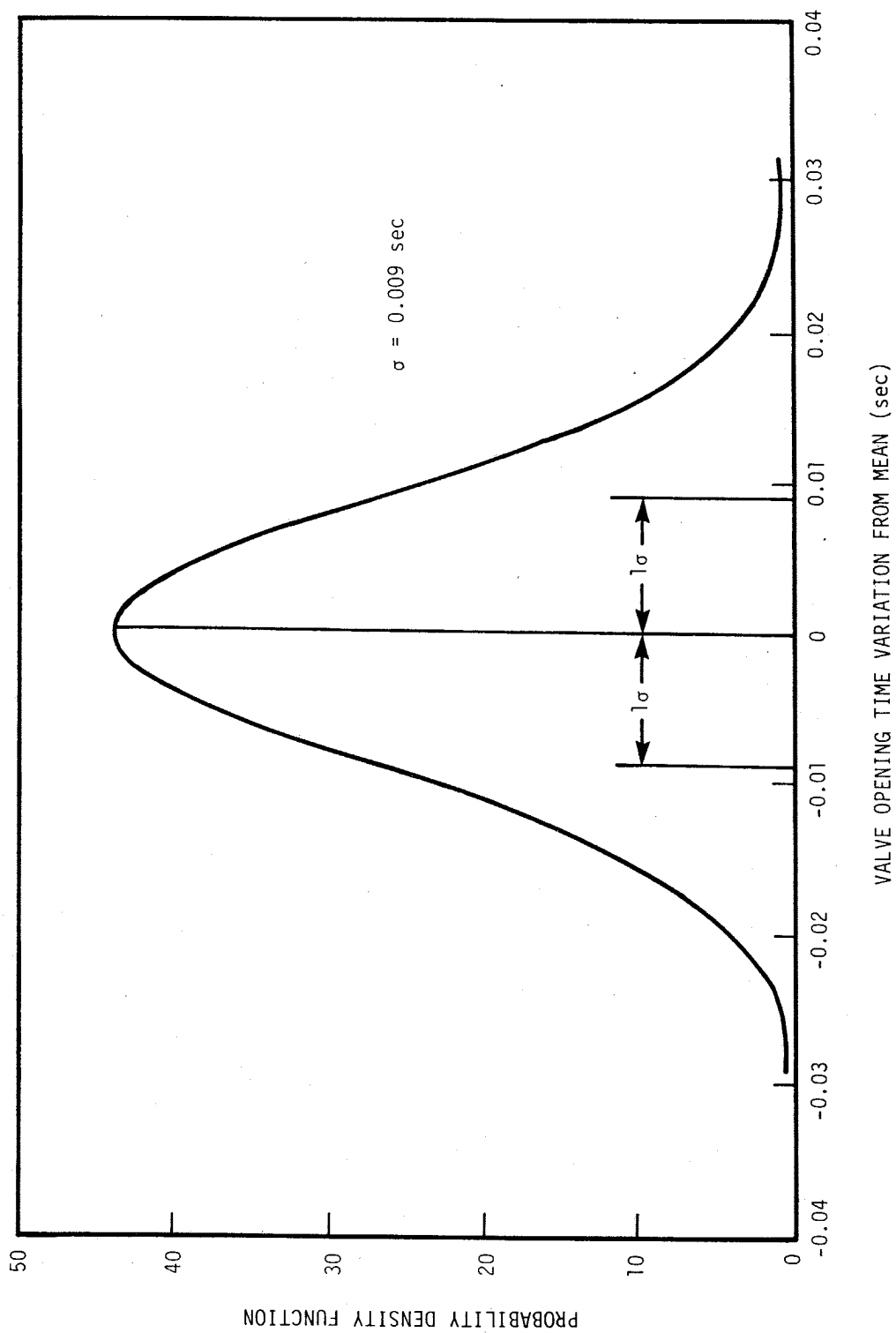
**PROBABILITY DENSITY FUNCTION VS.
PRESSURE RISE RATE**



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UPDATED SAFETY ANALYSIS REPORT**

FIGURE A3.9-4

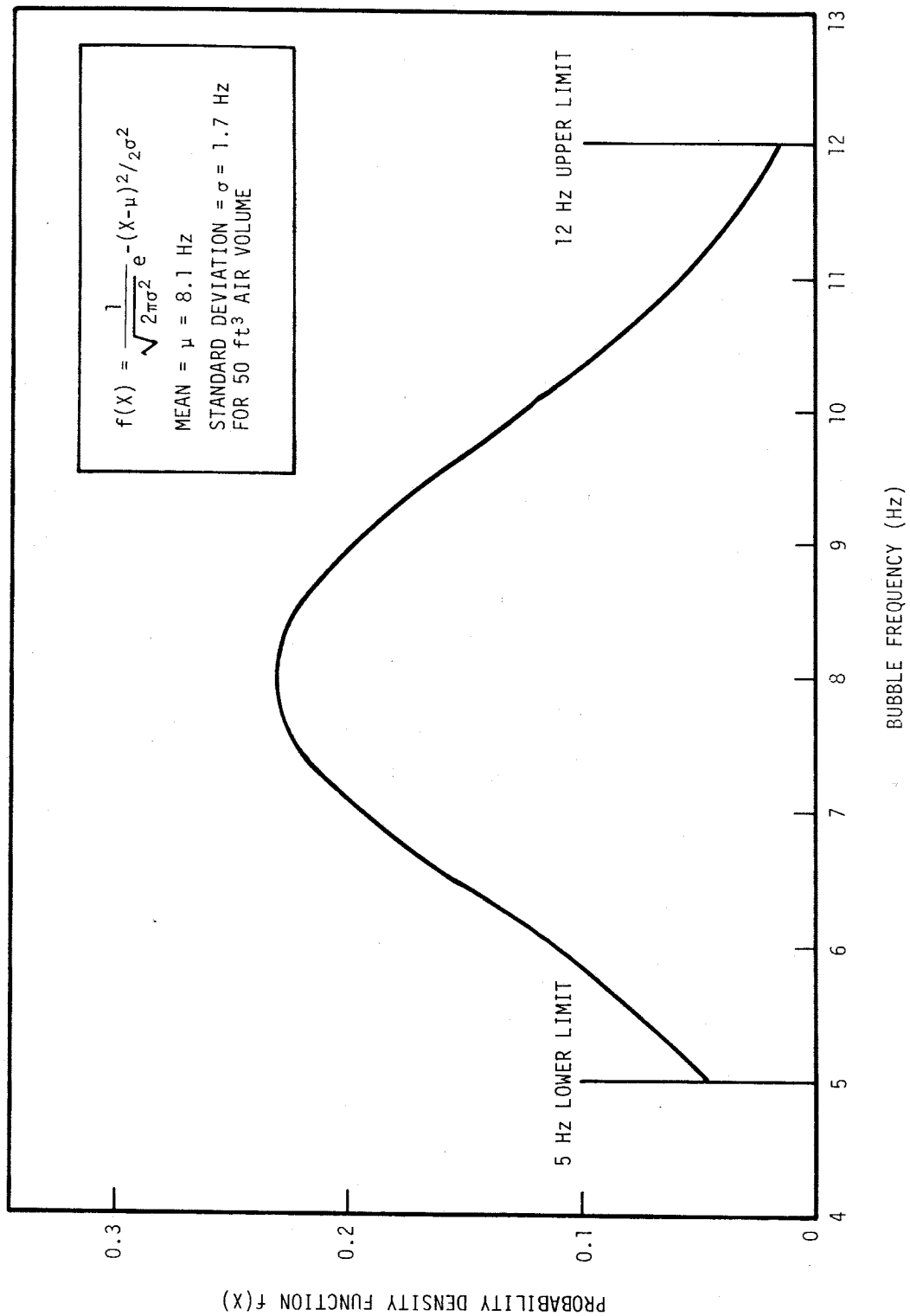
PROBABILITY DENSITY FUNCTION VS.
VALVE GROUP SETPOINT VARIATION



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FIGURE A3.9-5

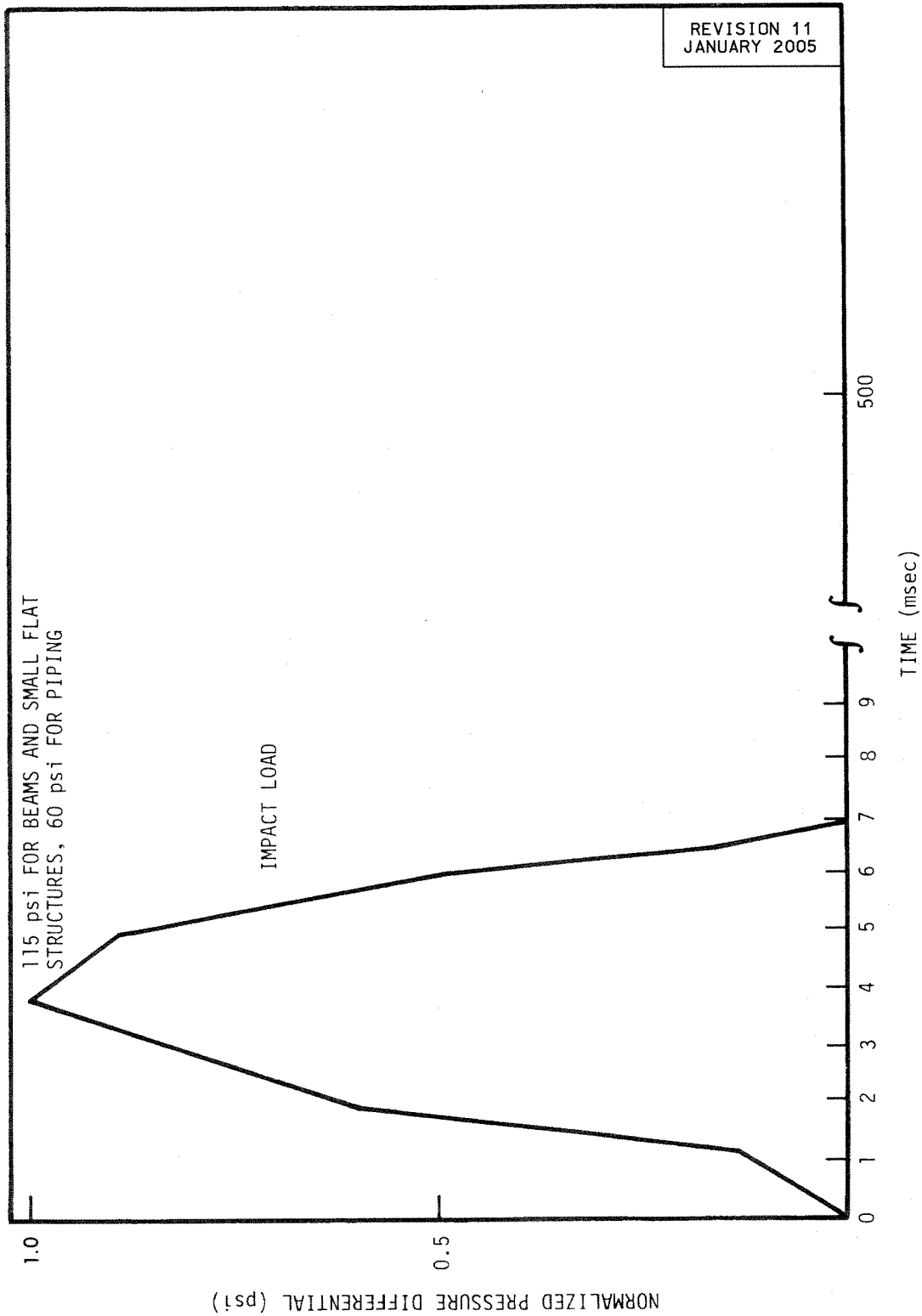
PROBABILITY DENSITY FUNCTION VS.
VALVE OPENING TIME VARIATION
(DIKKERS VALVES)



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

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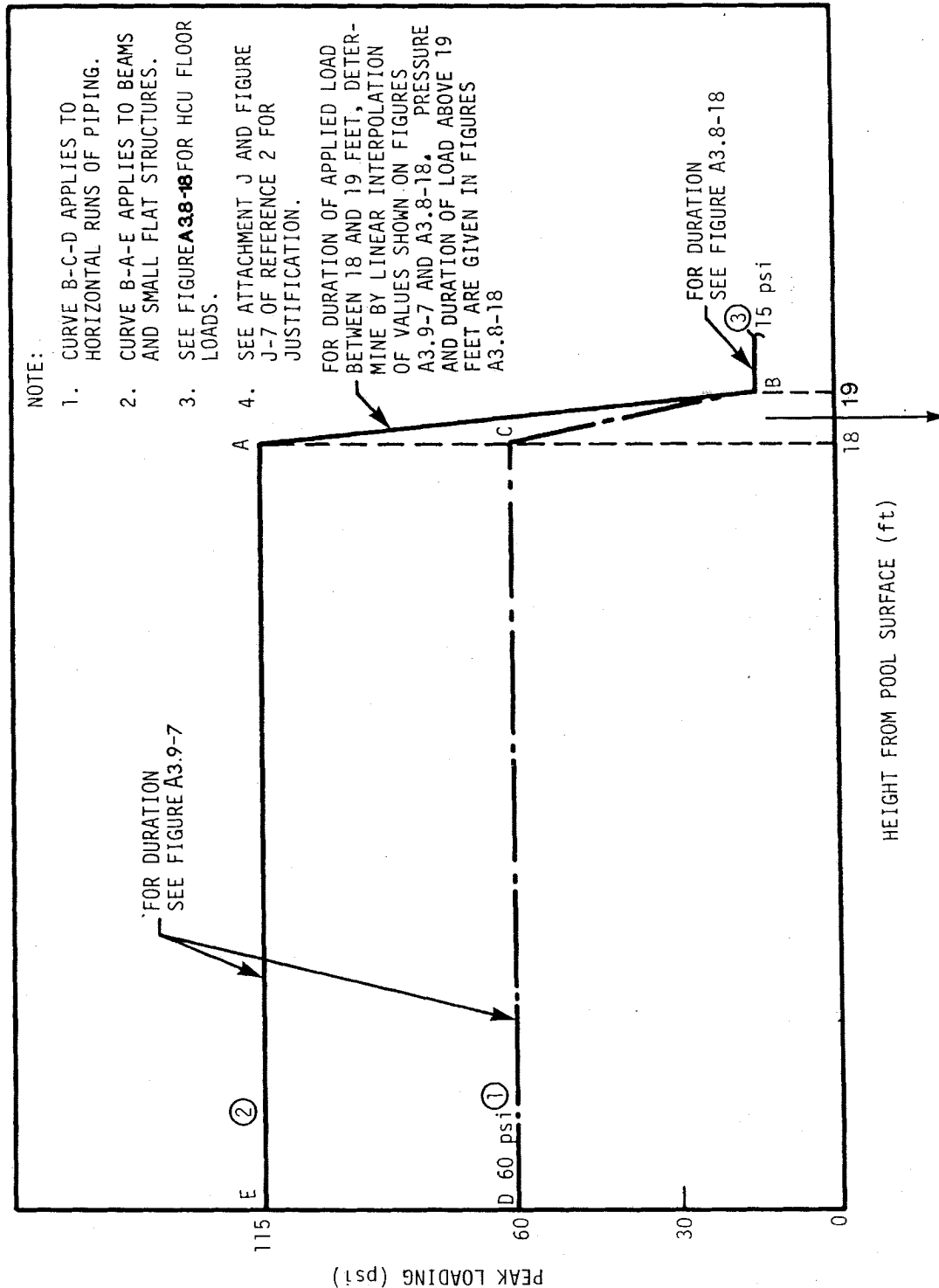
FIGURE A3.9-7

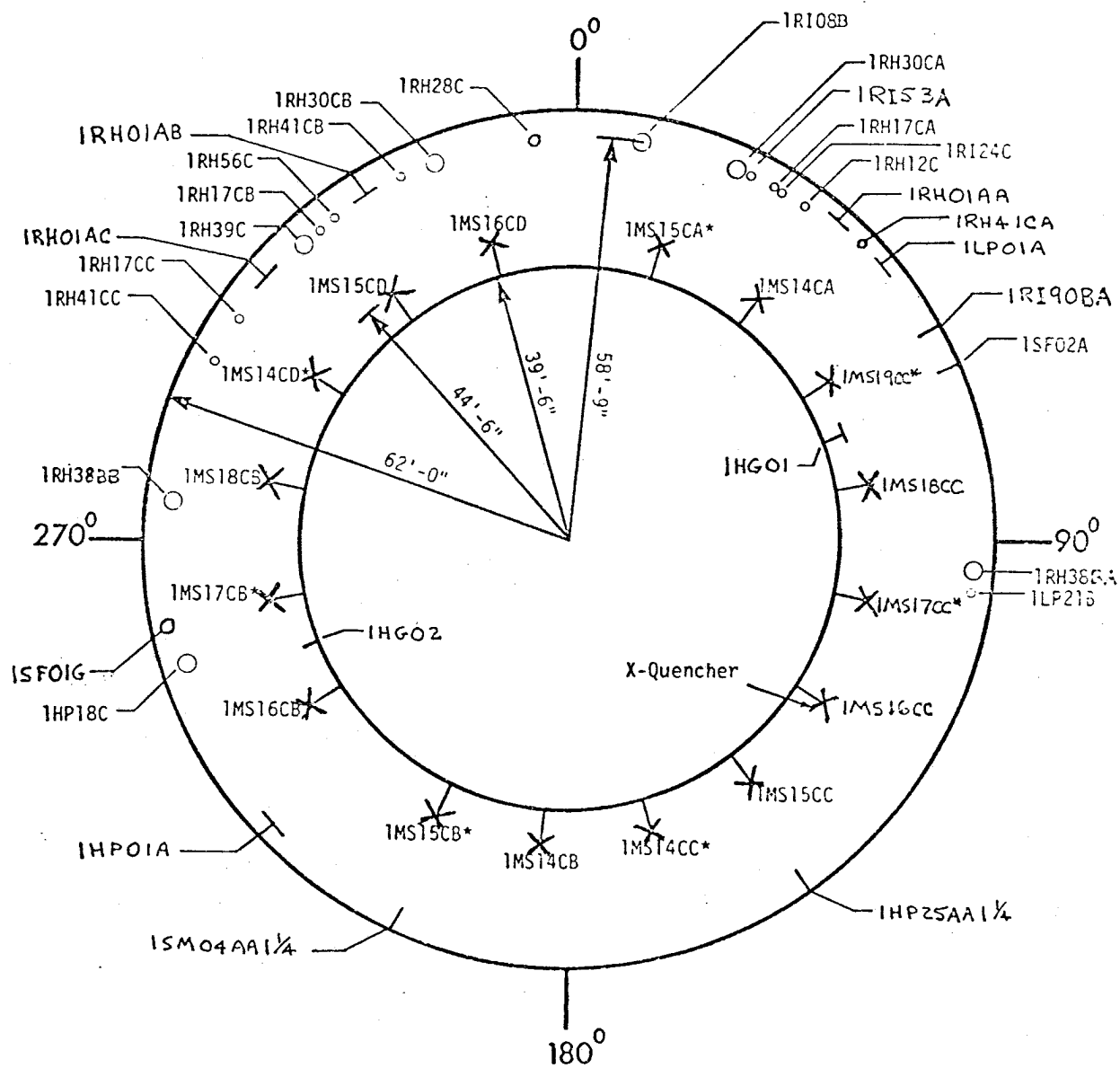
PROFILE OF IMPACT LOADS ON SMALL
STRUCTURES WITHIN 19.5 FT OF THE
POOL SURFACE

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

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)

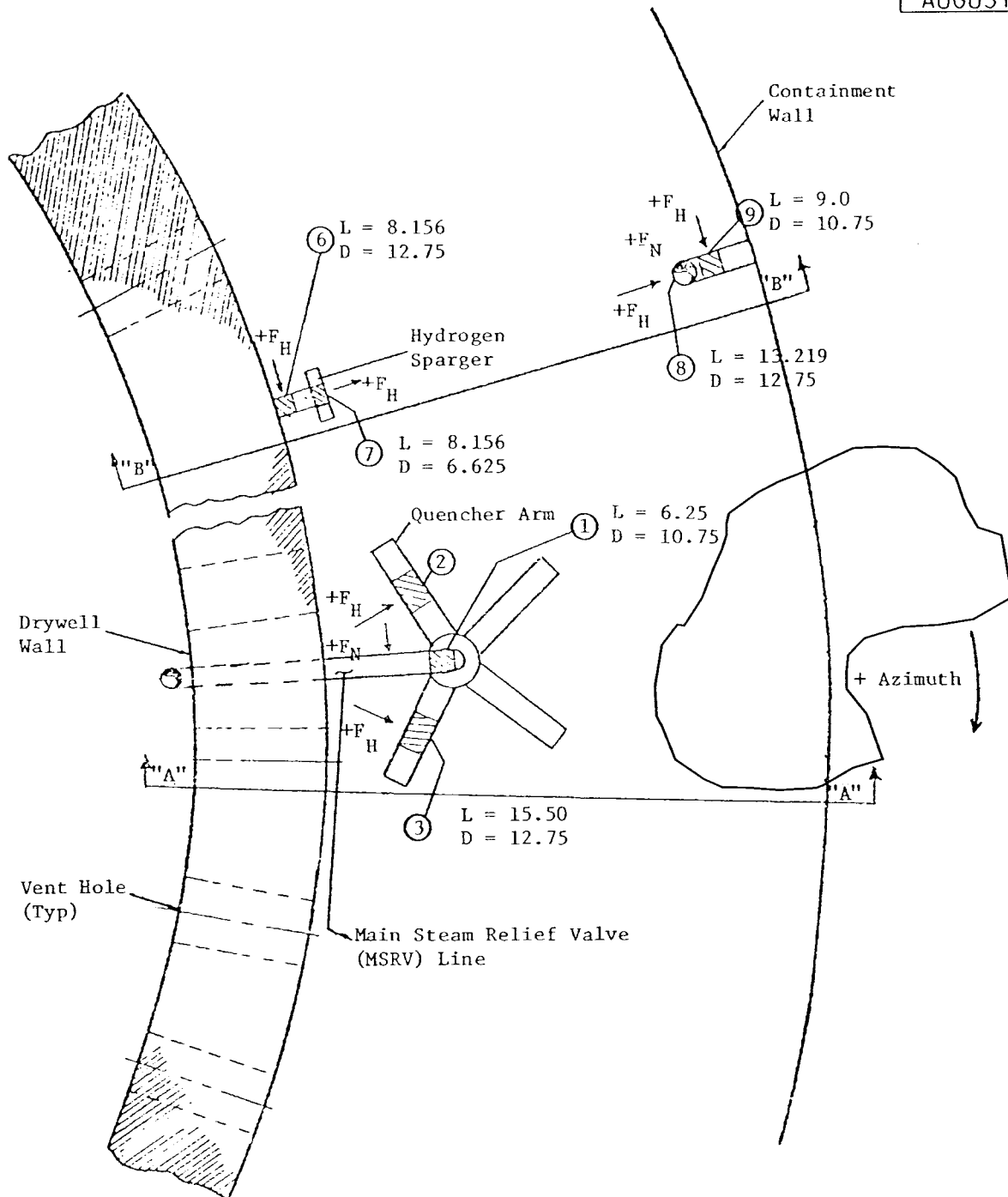




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FIGURE A3.9-9

PLAN OF SUPPRESSION POOL
SHOWING RELATIVE LOCATIONS OF SRV LINES,
QUENCHERS, AND MAJOR SUBMERGED PIPING



SYMBOL

- - Node Number
- +F_H - Positive Horizontal Direction
- +F_N - Positive Normal Direction
- L - Node Length ~ Inches
- D - Node Diameter ~ Inches

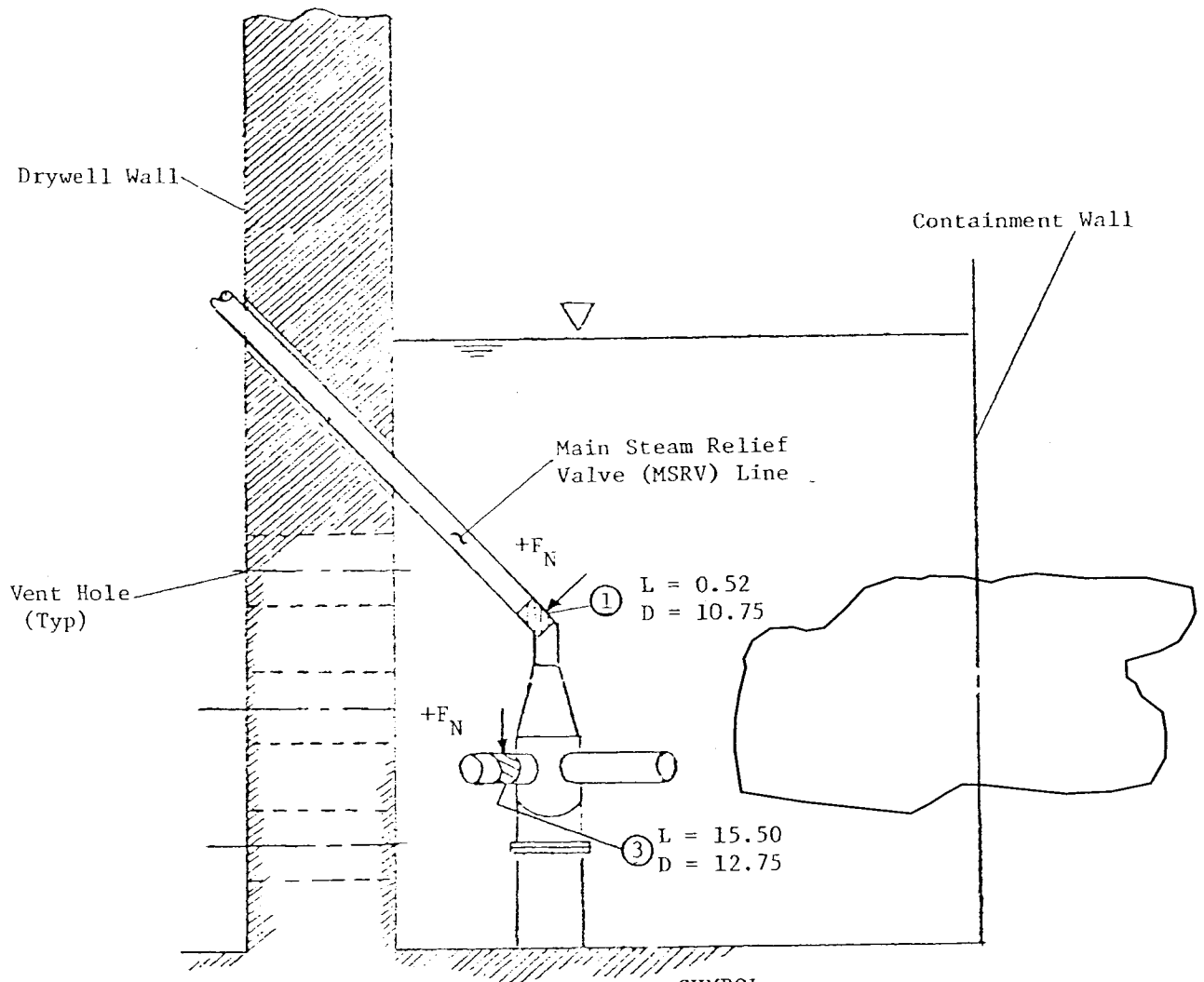
- Notes:
1. Not to scale
 2. Not actual azimuthal locations of submerged structures

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FIGURE A3.9-10

SCHEMATIC OF SUPPRESSION POOL

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NOTE: Not to Scale

SYMBOL

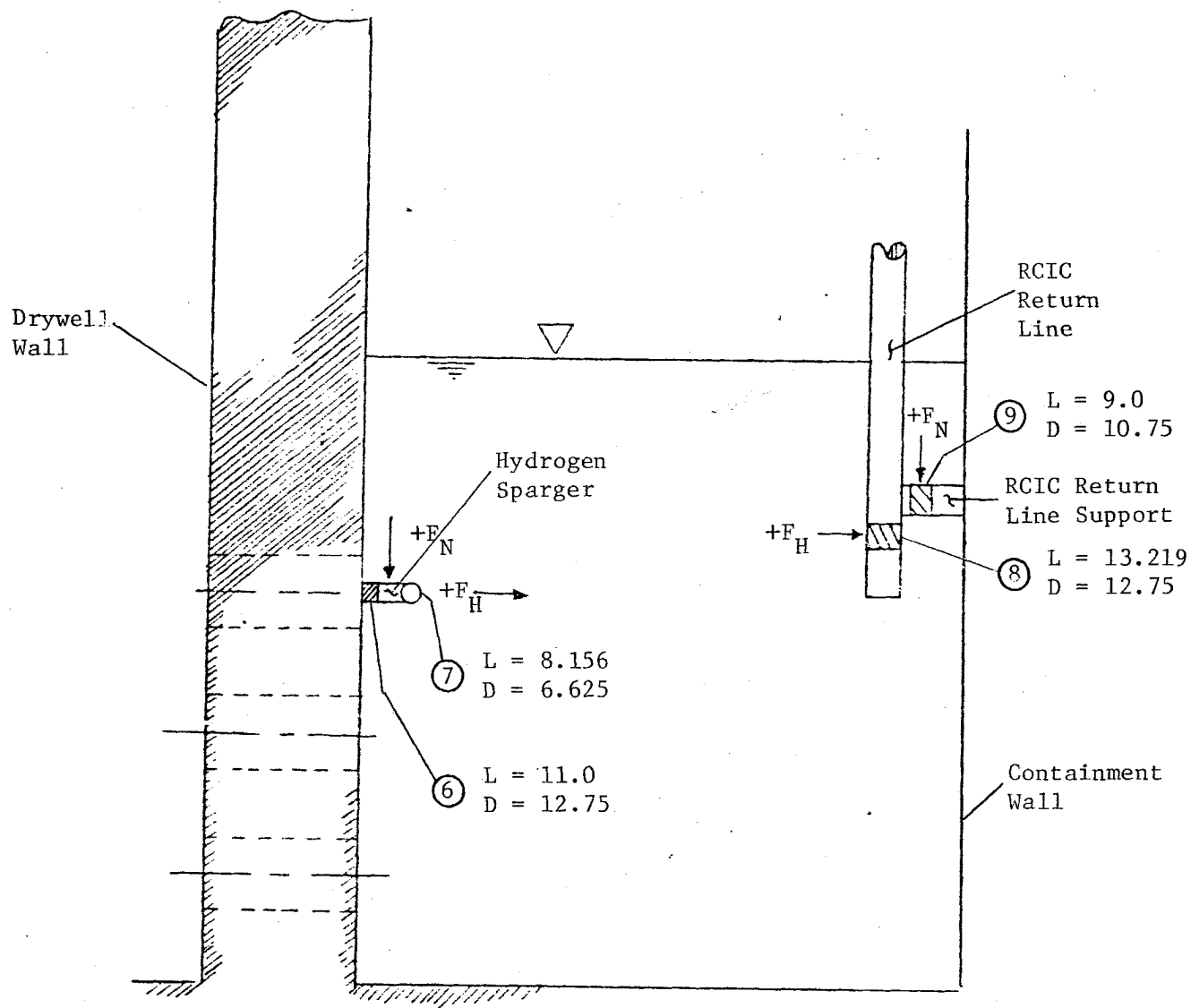
- - Node Numbers
- L - Node Length ~ Inches
- D - Node Diameter ~ Inches
- +F_N - Positive Normal Direction
- +F_H - Positive Horizontal Direction

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

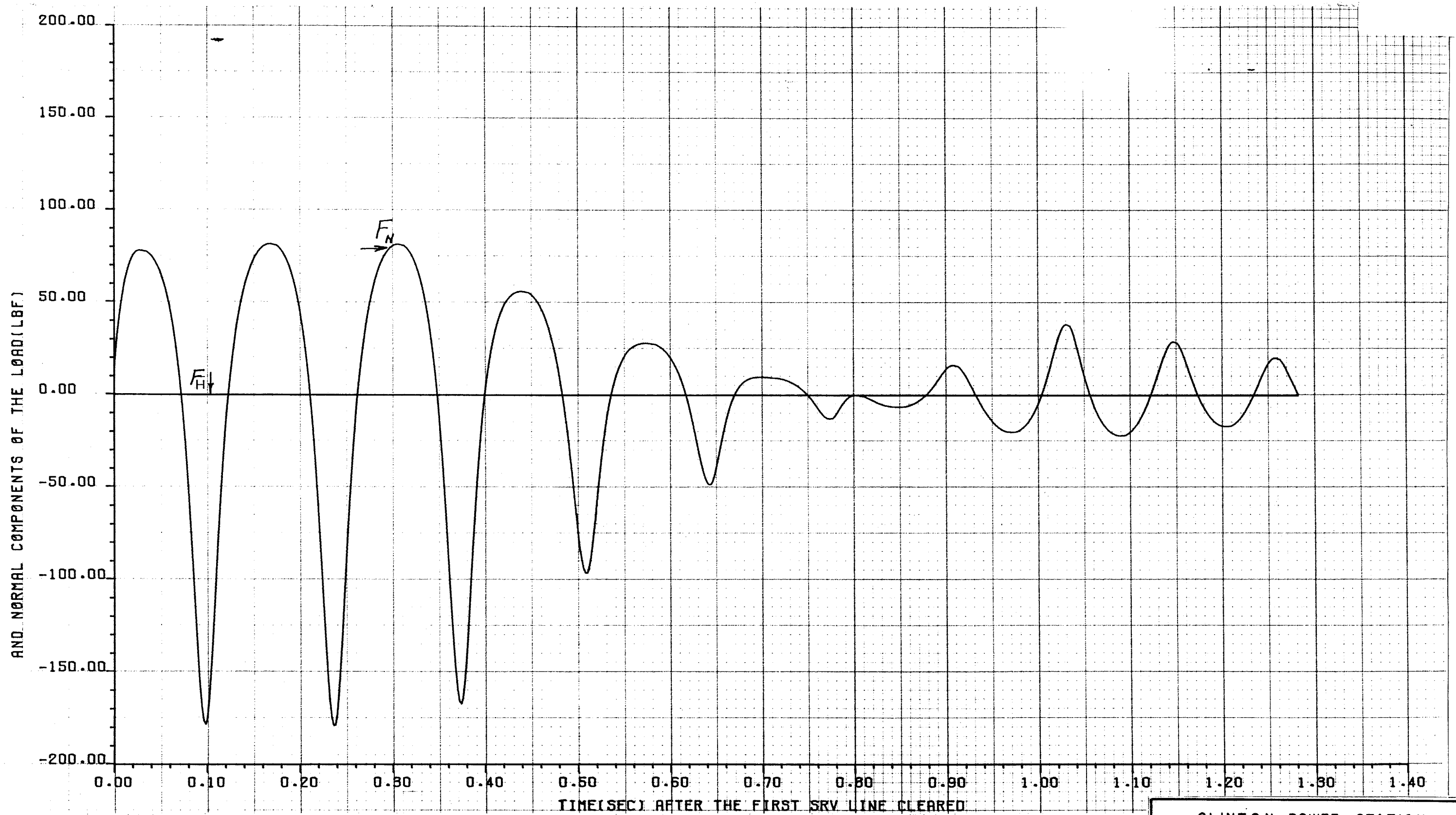
- - Node Number
- L - Node Length ~ Inches
- D - Diameter ~ Inches
- $+F_H$ - Positive Horizontal Direction
- $+F_N$ - Positive Normal Direction

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

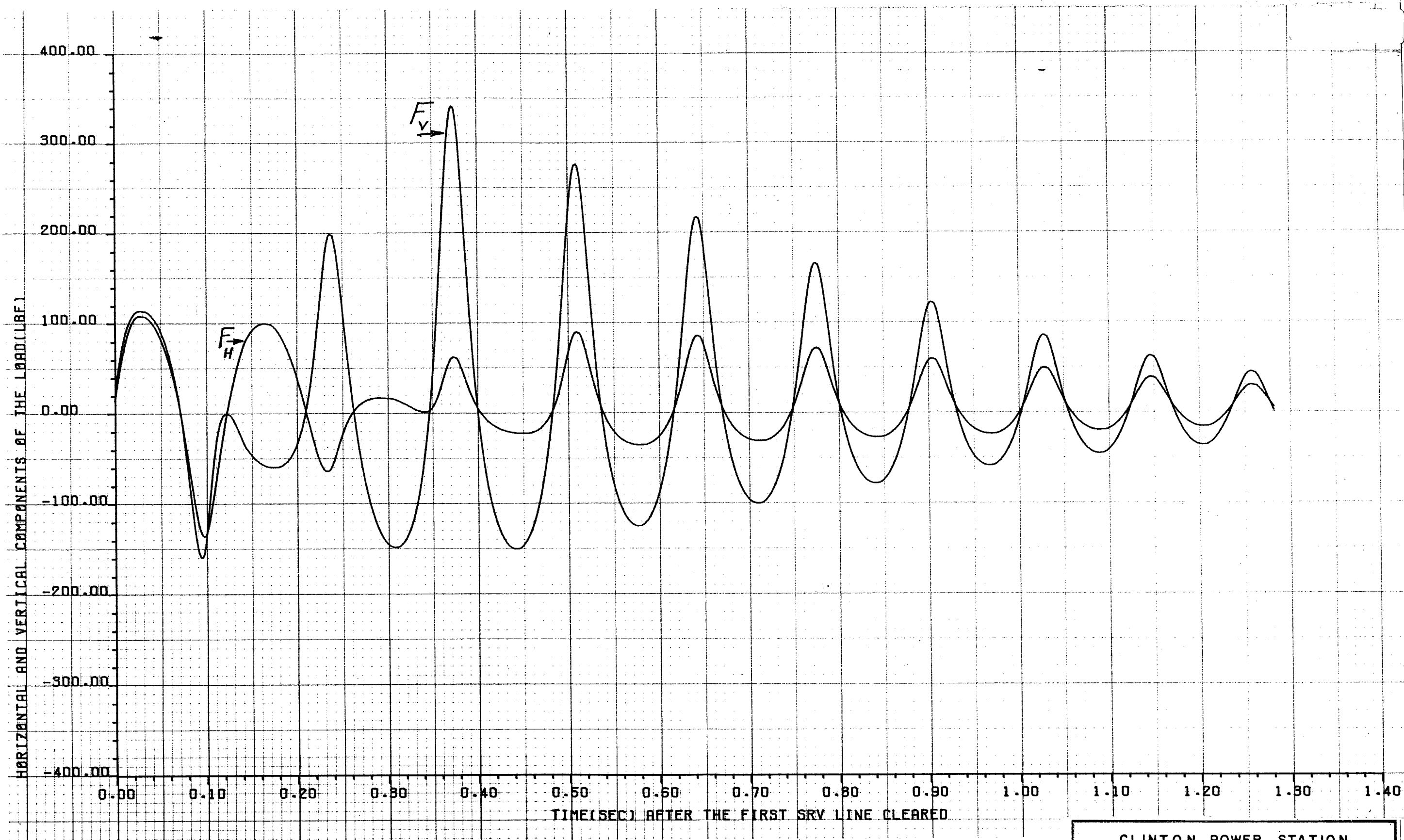
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FIGURE A3.9-12

SCHEMATIC OF SUPPRESSION POOL
SECTION B-B



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

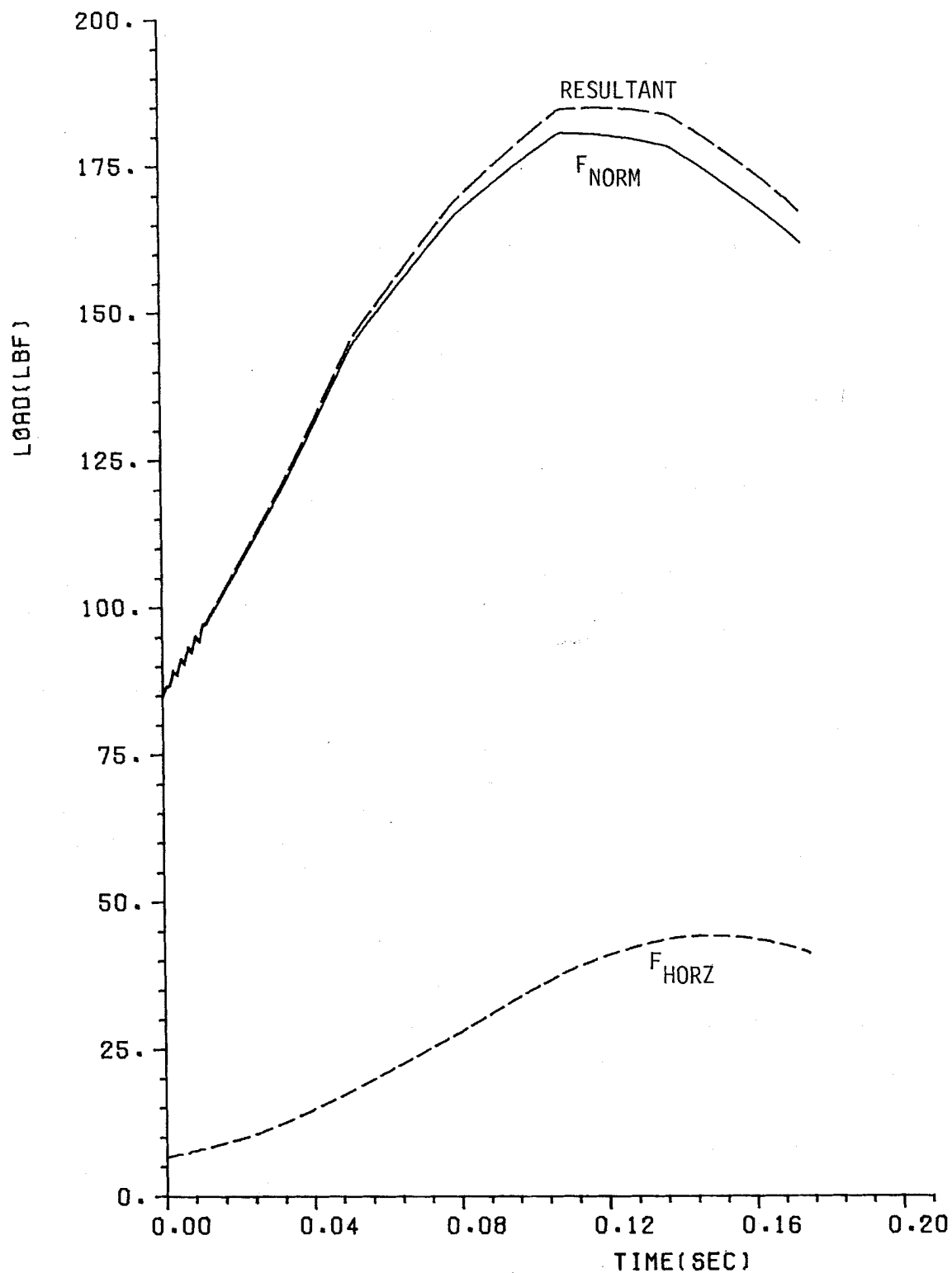


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FIGURE A3.9-14

SVSP SRV LOAD ON QUENCHER ARM 2
NODE 2 (MIDPOINT)

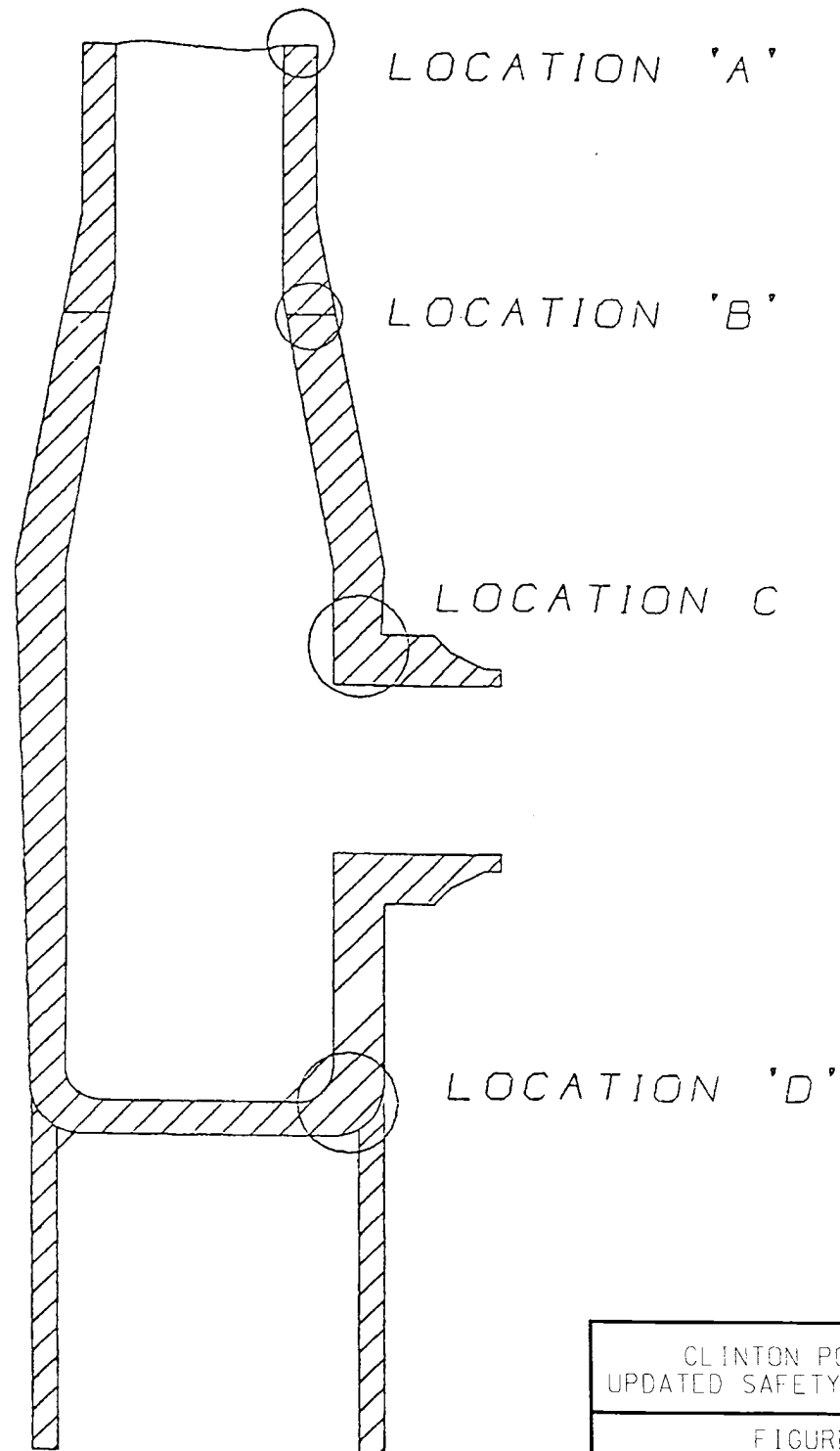
FIGURES A3.9-15 THROUGH A3.9-22
HAVE BEEN DELETED



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FIGURE A3.9-23

TYPICAL LOAD TIME HISTORY FOR SECTION 2,
LOCA CHARGING AIR BUBBLE



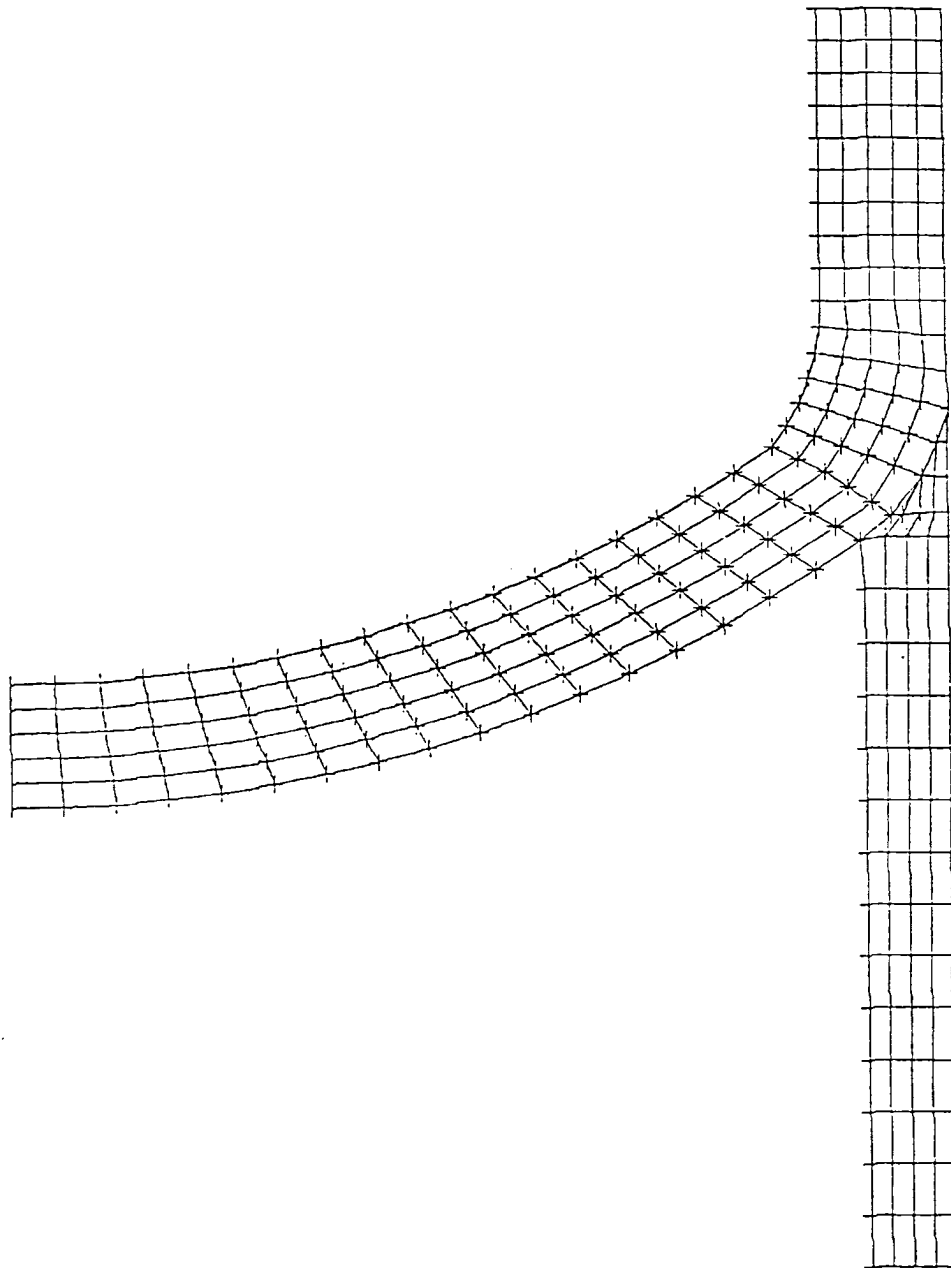
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FIGURE B3.9-1

CLINTON X-QUENCHER
CRITICAL LOCATIONS

Q&R 210.02

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JANUARY 2001



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

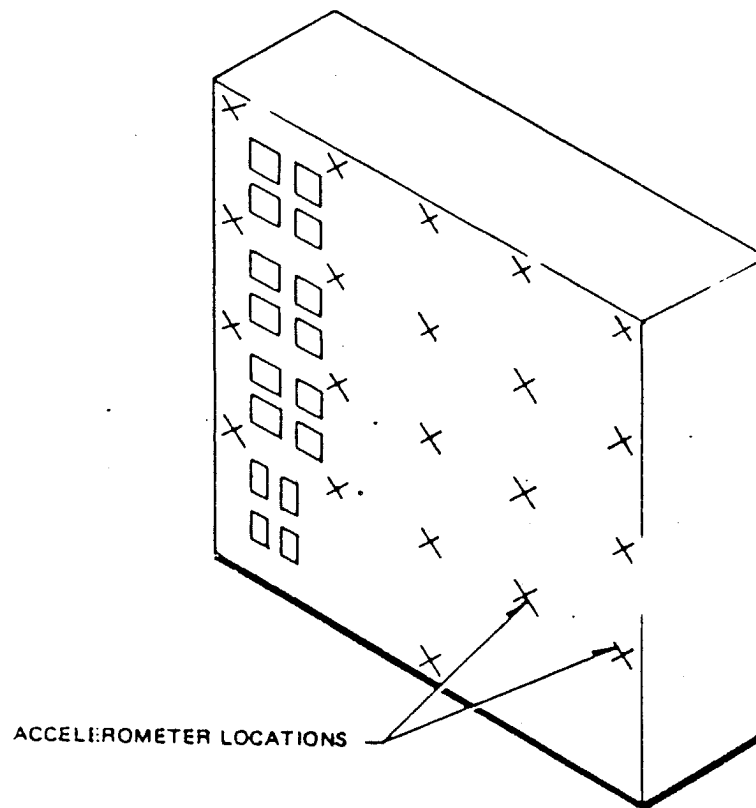


Figure 3.10-1. Typical Vertical Board (Benchboard Would be the Same with a Bench Section Protruding Out About Half-way Down)

CPS-USAR

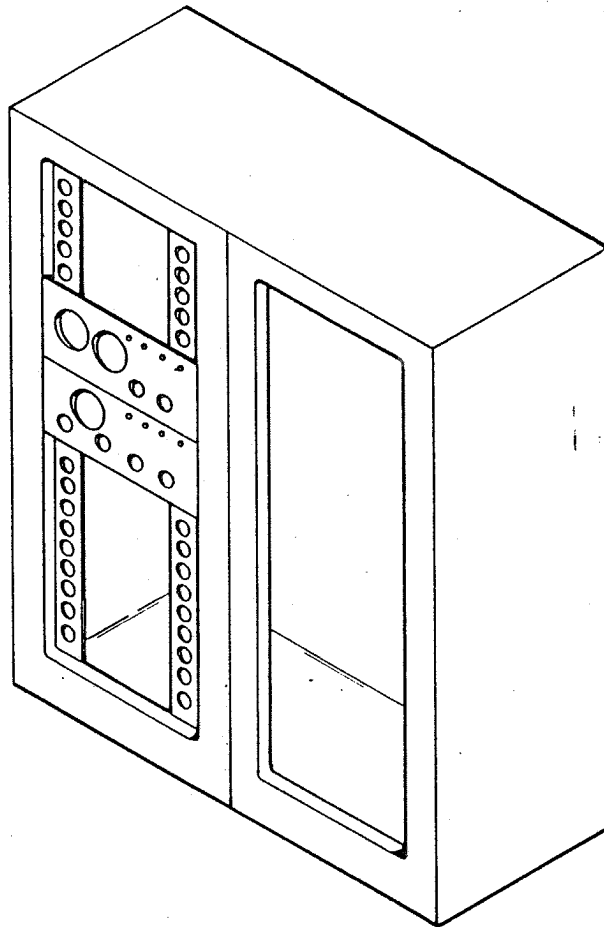


Figure 3.10-2. Instrument Rack (Cabinet would Contain Pages or Other Special Instruments instead of Simple Drawer Type Instruments)

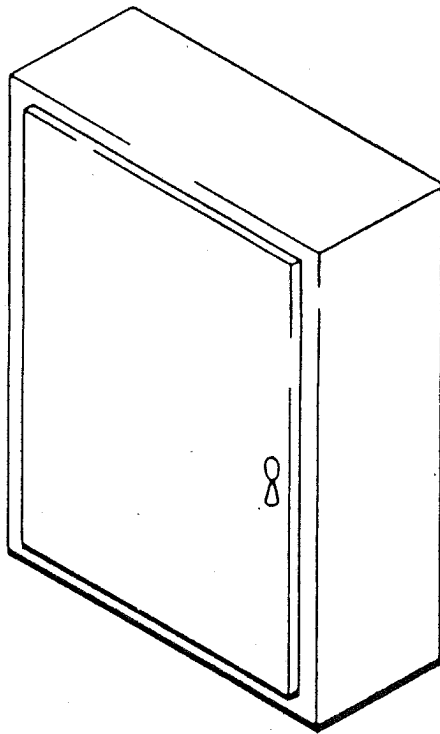


Figure 3.10-3. NEMA Type-12 Enclosure (Instruments Mounted Inside on Internal Membrane Mounted on Standoffs Attached to Back)

CPS-USAR

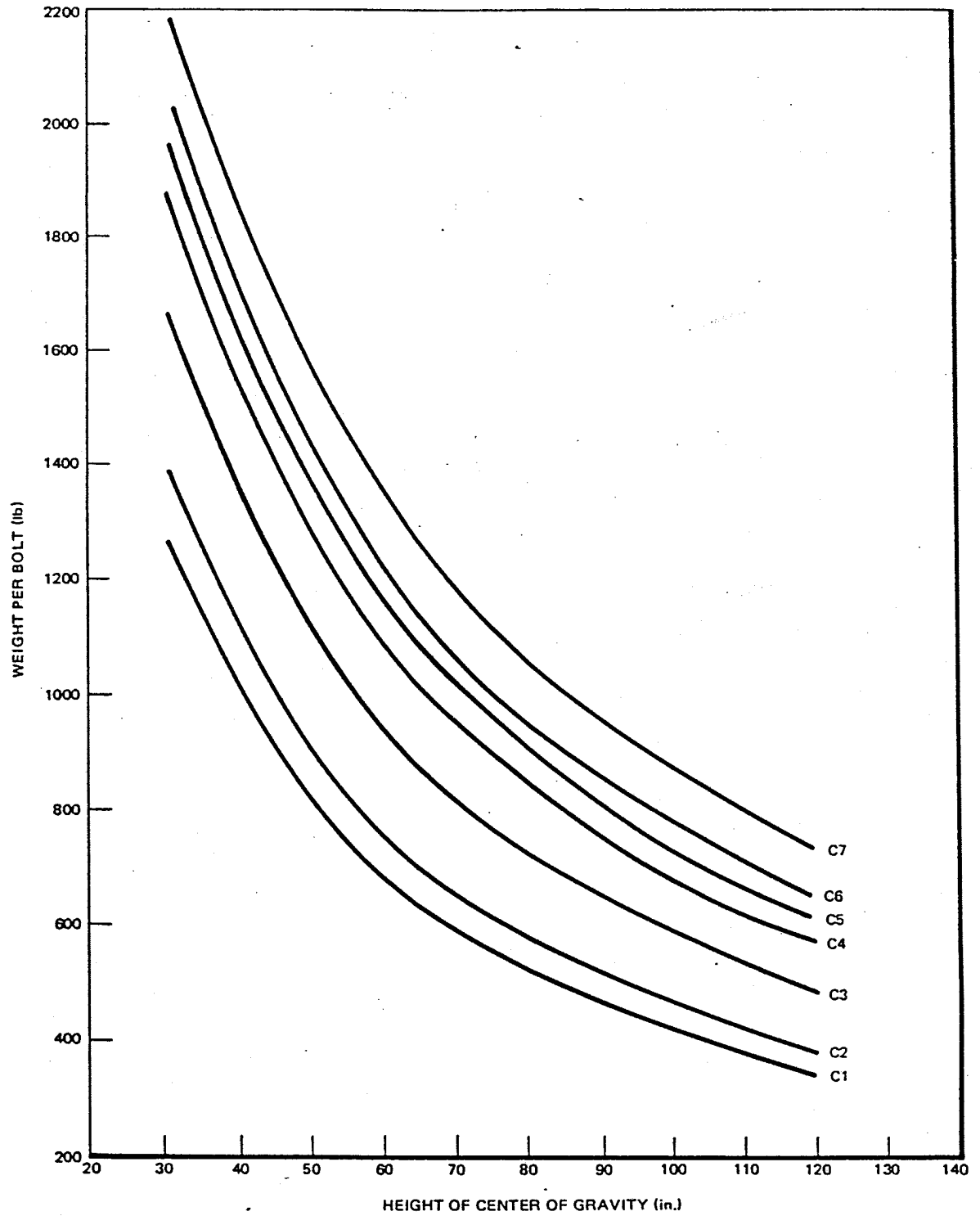


Figure A3.10-1 Maximum Safe Weight per Bolt for Standard Enclosure as a Function of the Height of the Center of Gravity

CPS-USAR

WEIGHT = 2500 lb
PANEL NO. = 730E811

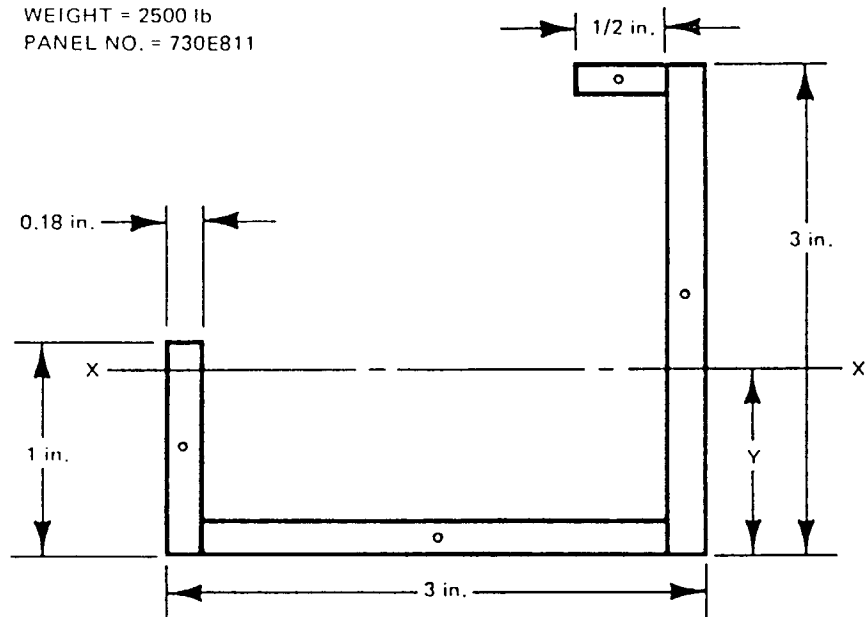


Figure B3.10-1. Corner Post

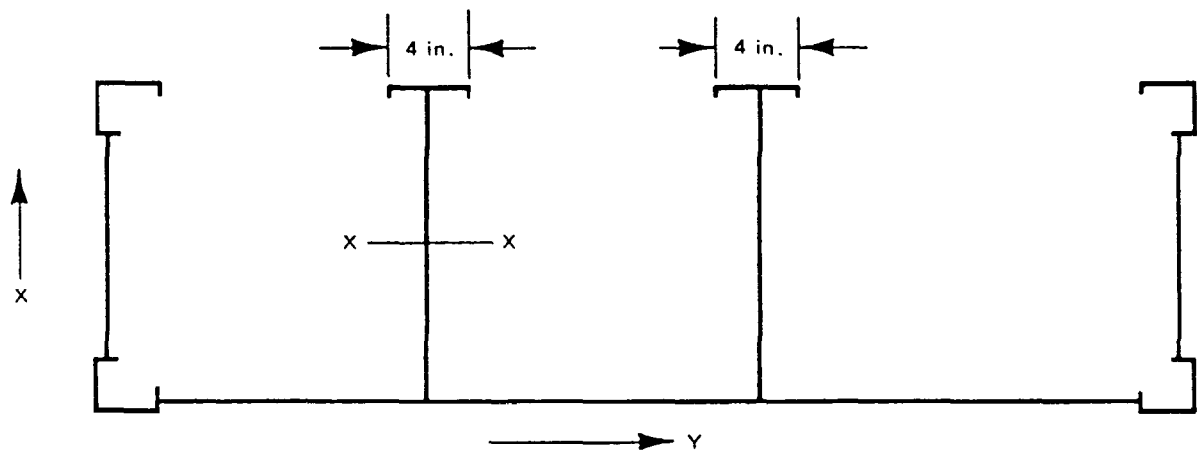


Figure B3.10-2. Plan View of Panel

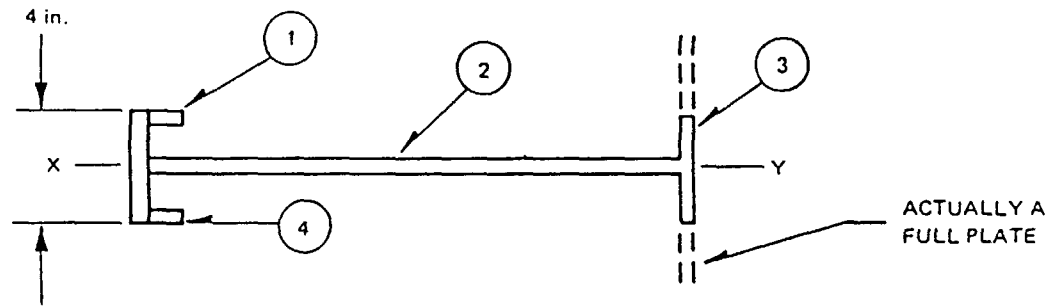


Figure B3.10-3. Barrier With Two End Plates

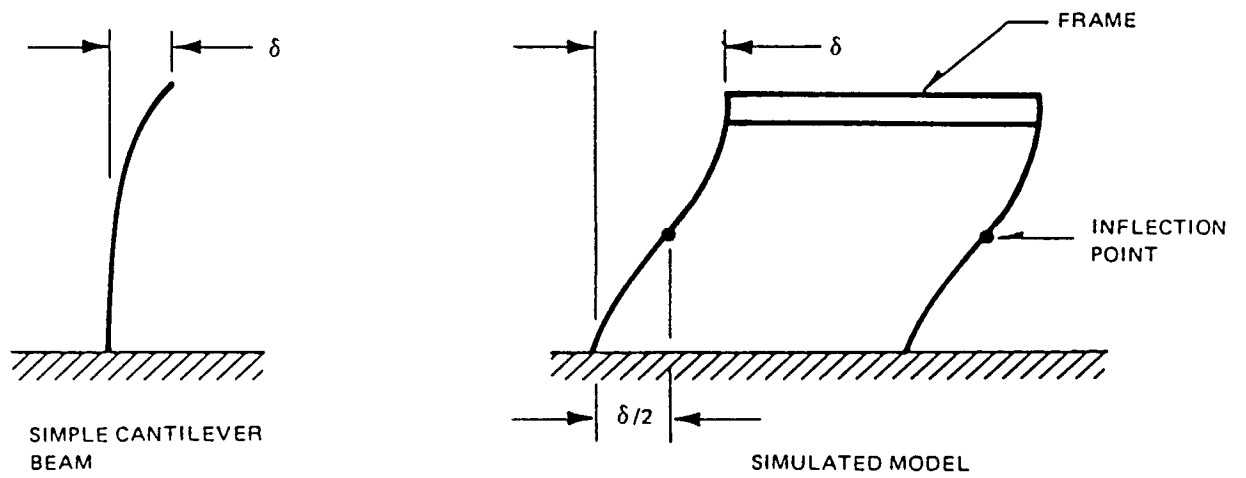
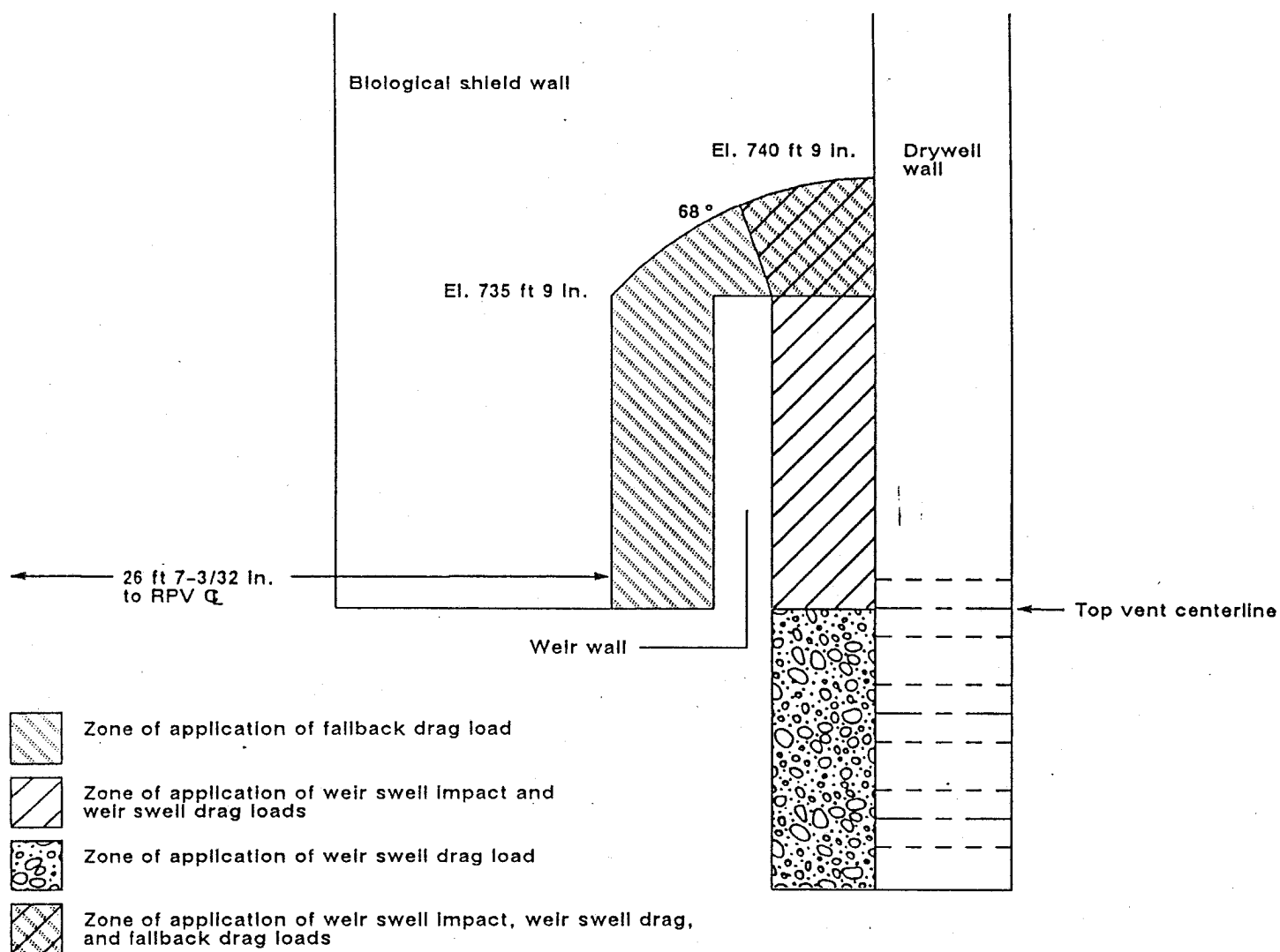


Figure B3.10-4. Panel Deflections

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