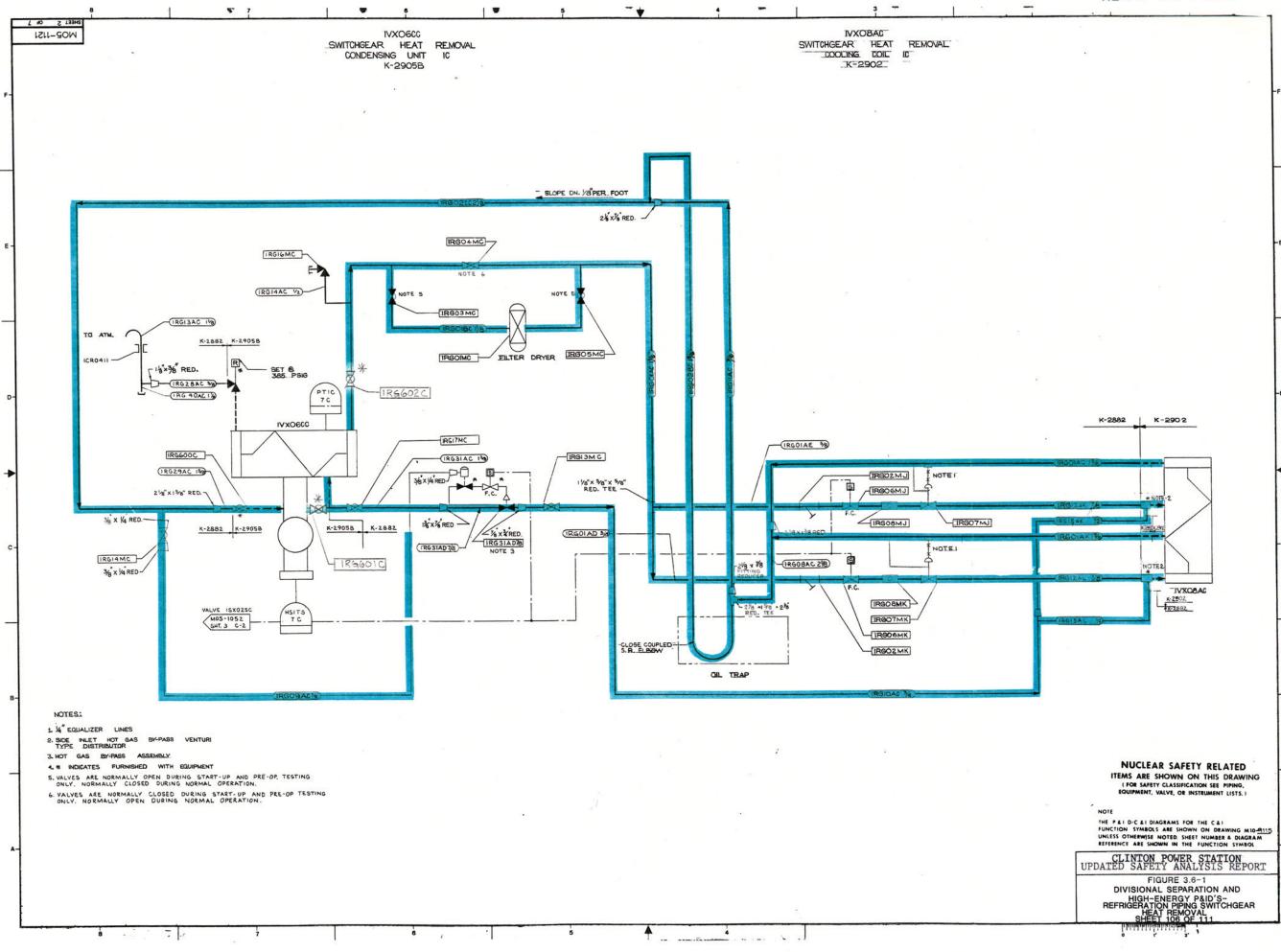
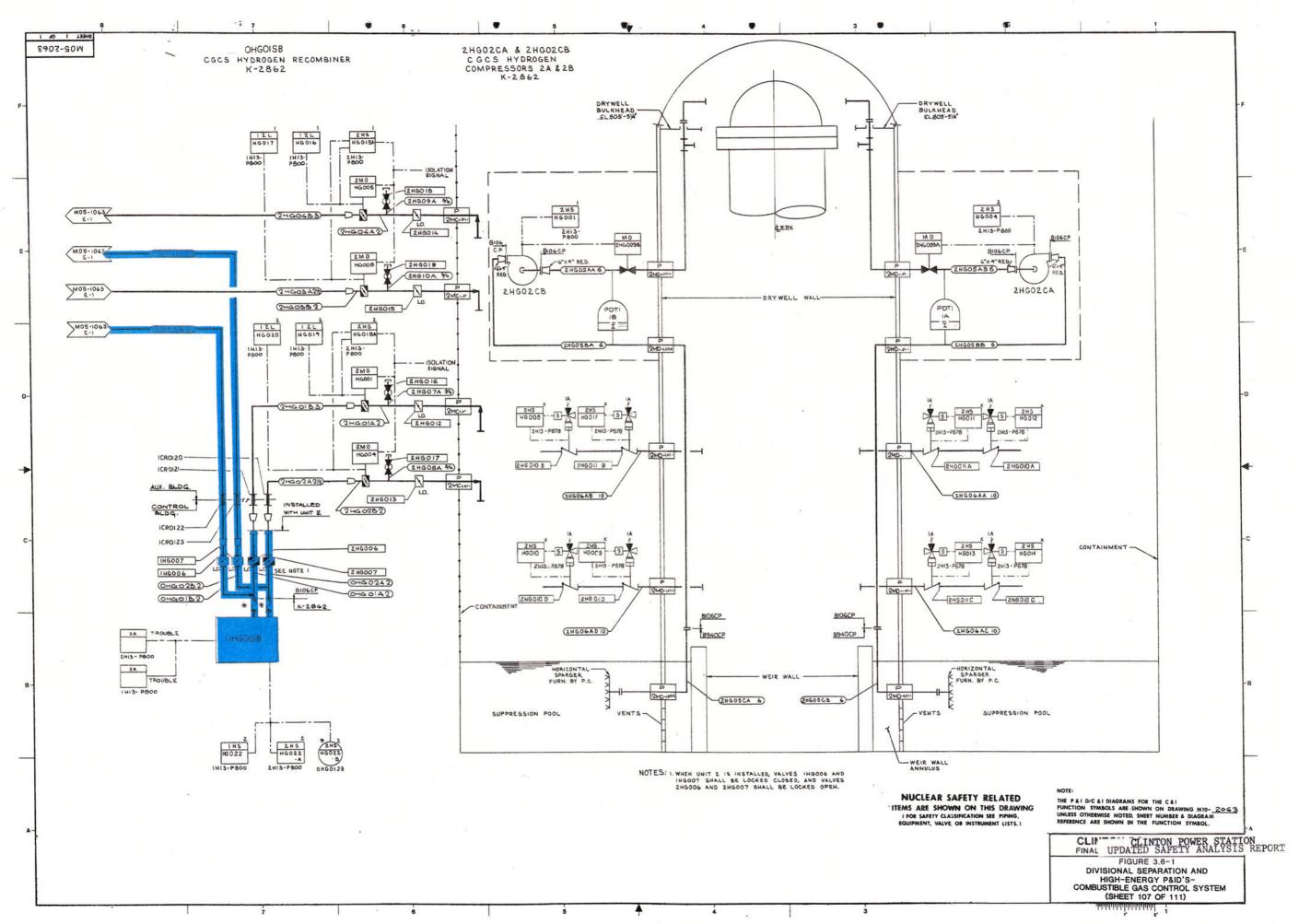
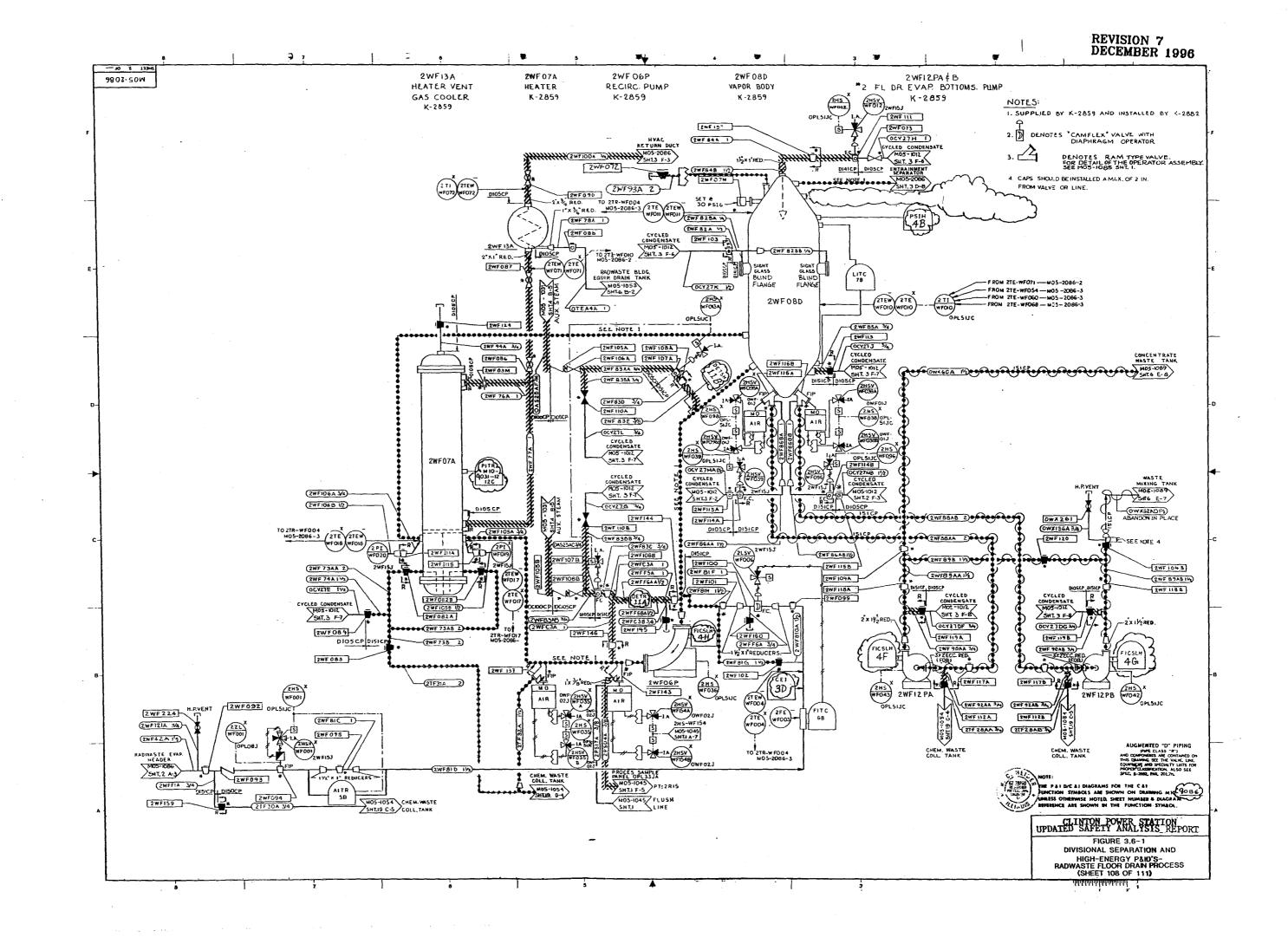
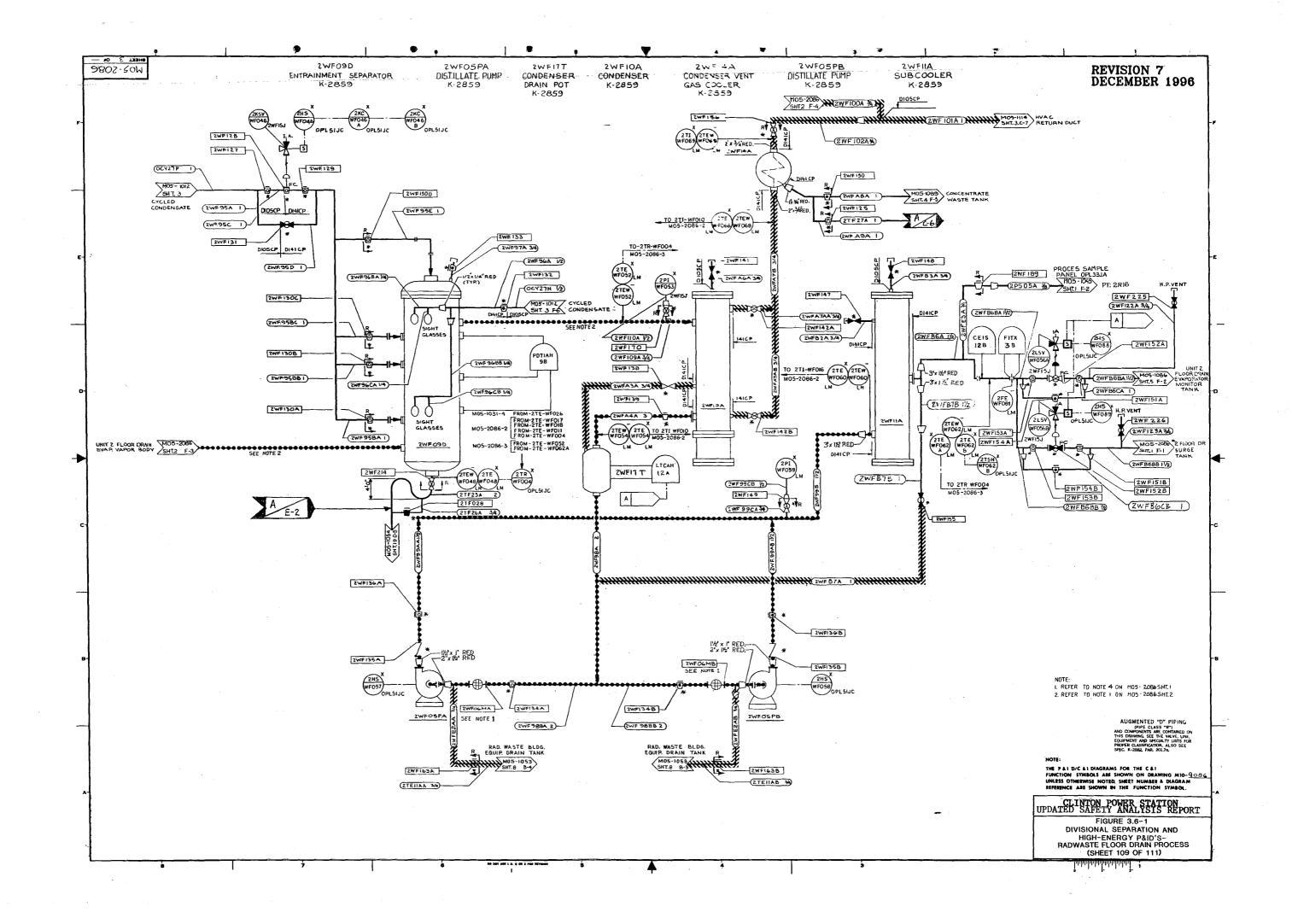


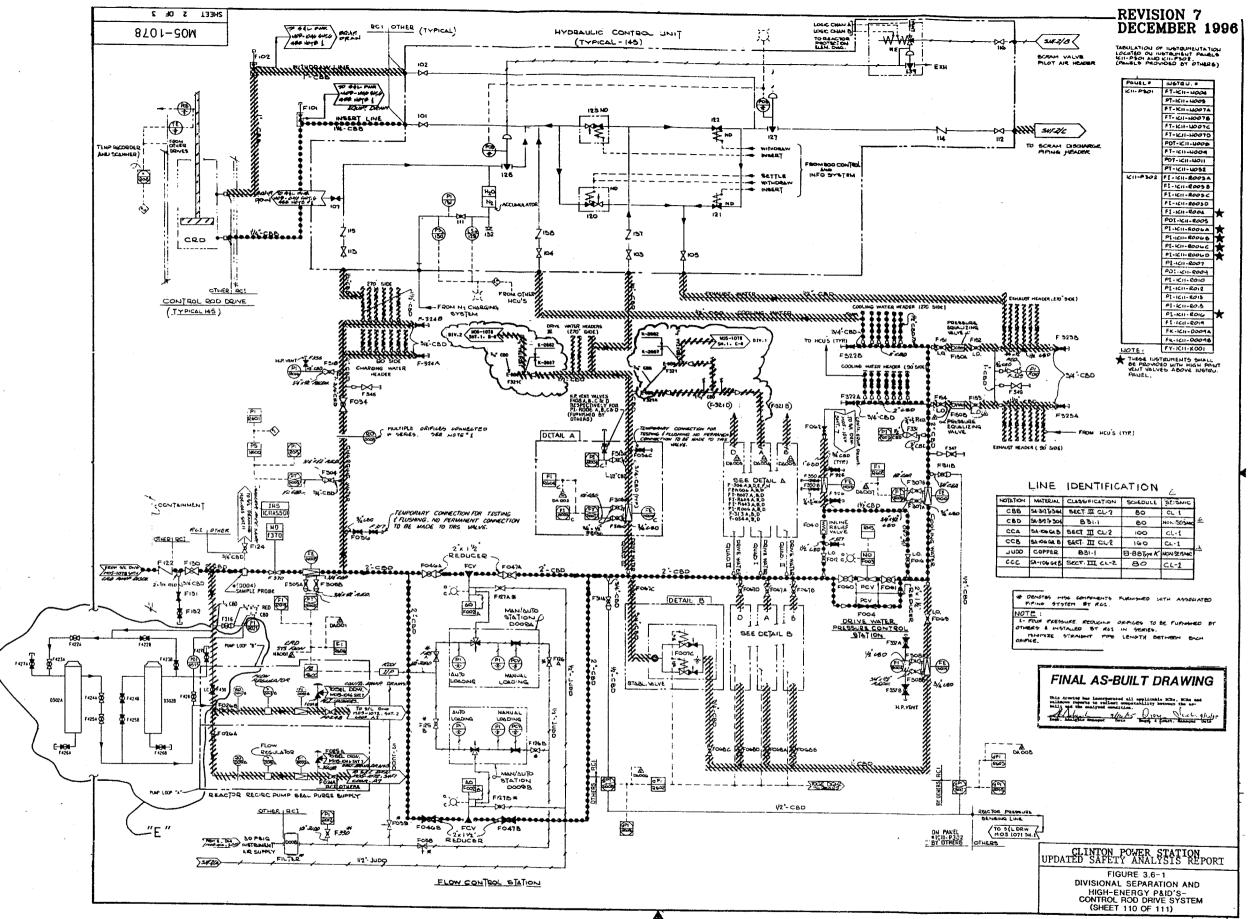
REV. 2 SEPT. 1990

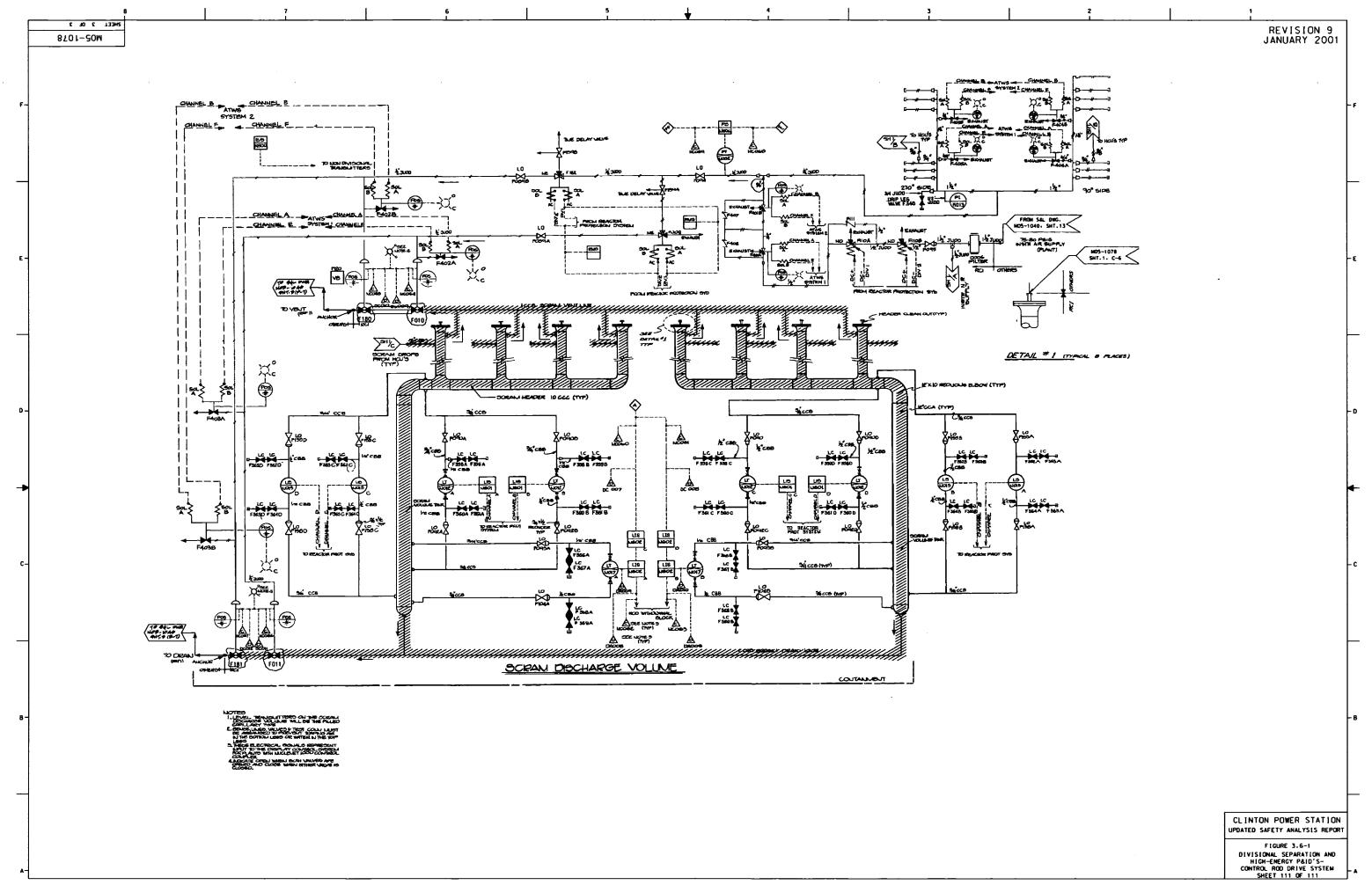


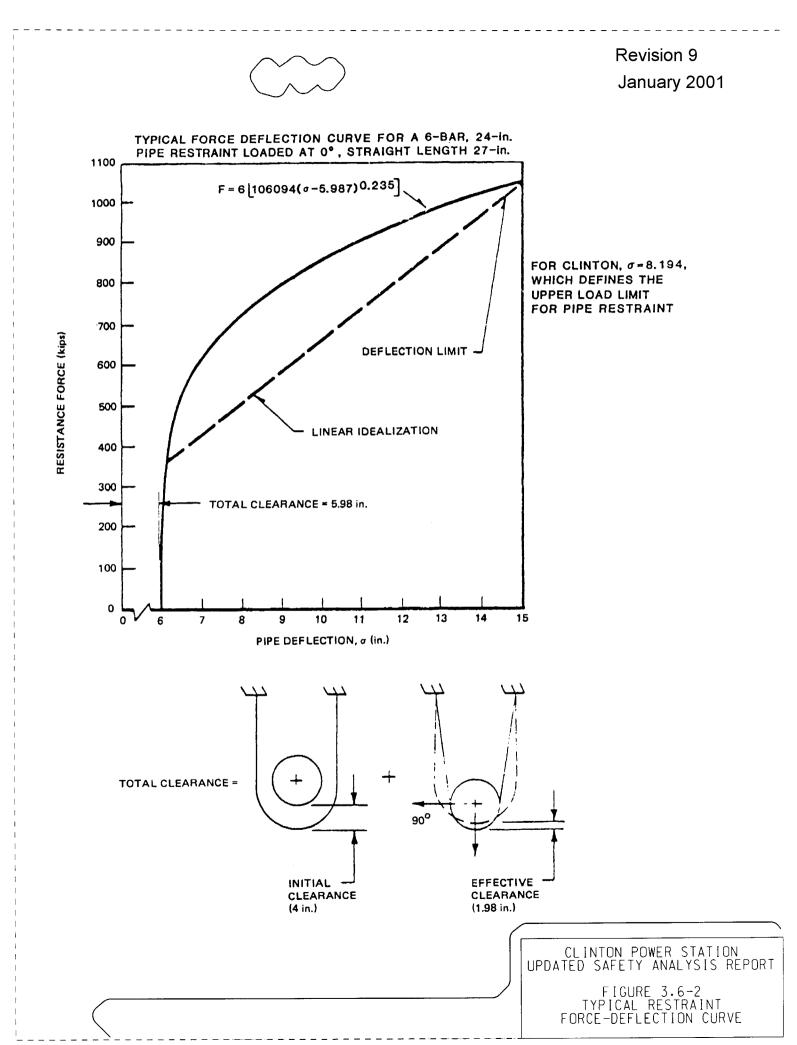


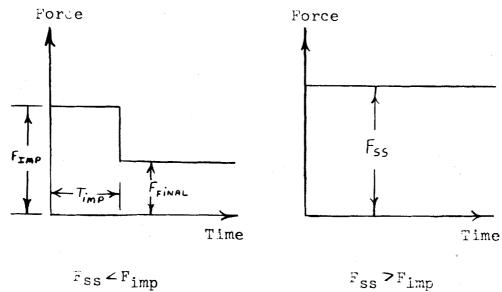














RESULTING FROM A CIRCUMFERENTIAL BREAK

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.6-3

PIPE THRUST

FIGURE 3.6-4

HAS BEEN DELETED

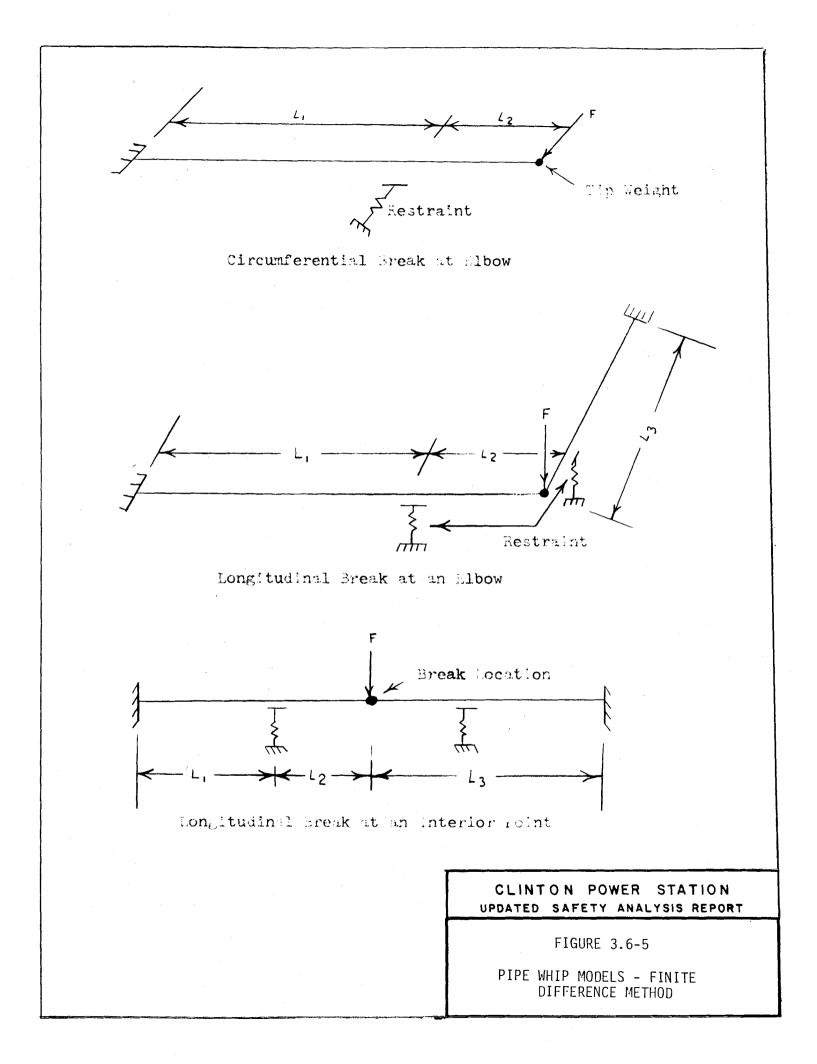
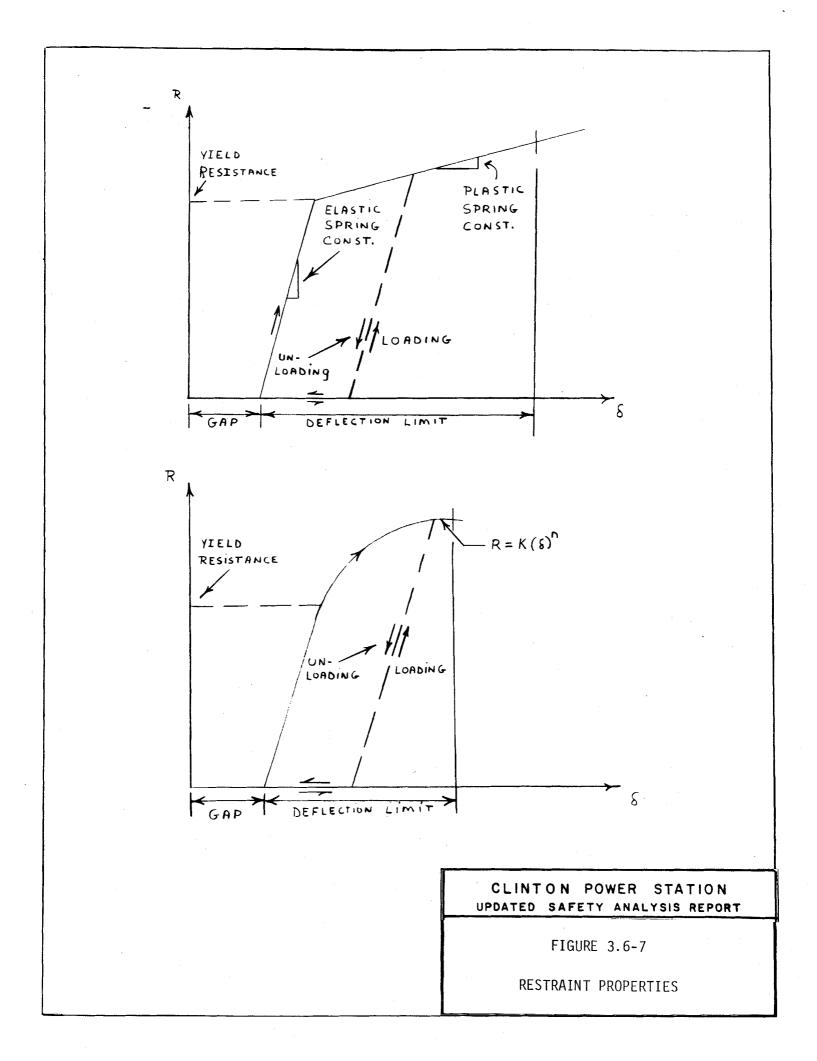
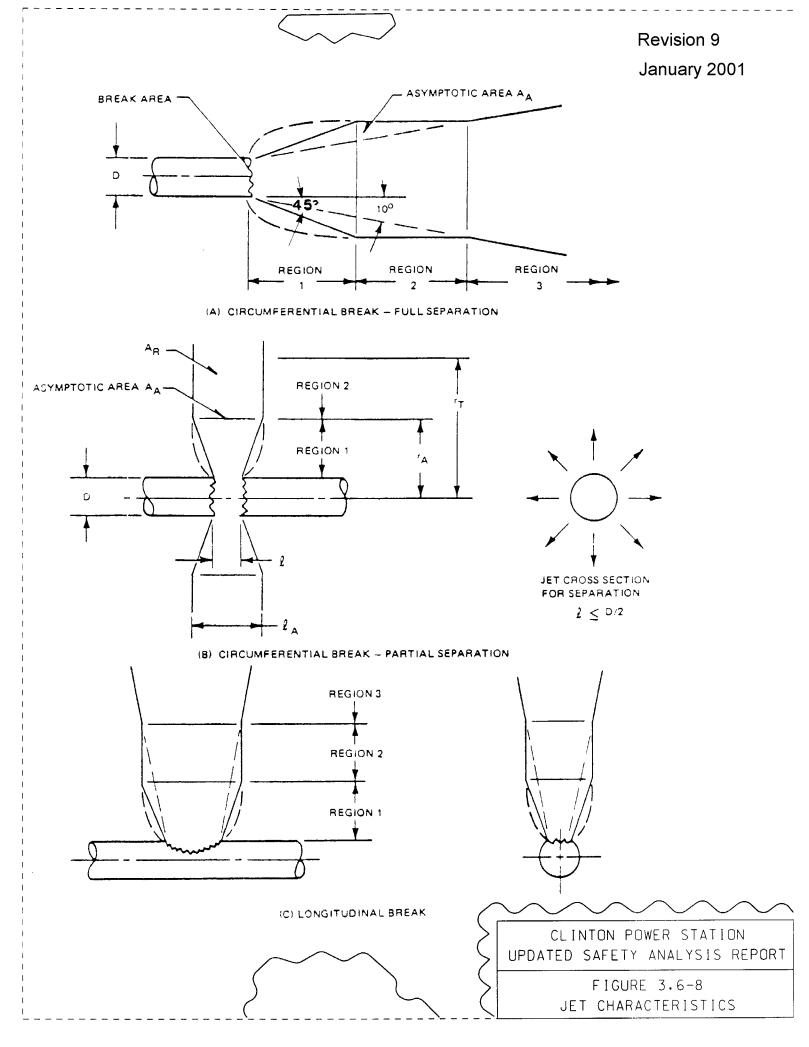


FIGURE 3.6-6

HAS BEEN DELETED





FIGURES 3.6-9 AND 3.6-10 HAVE BEEN DELETED

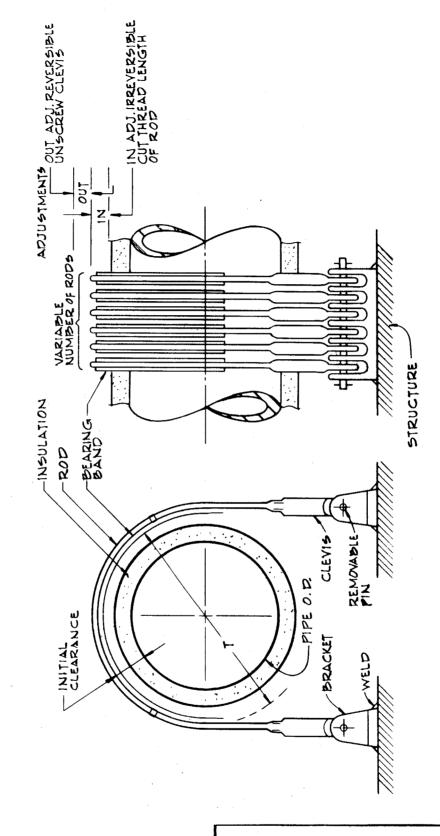


FIGURE 3.6-11

TYPICAL TENSION RESTRAINT

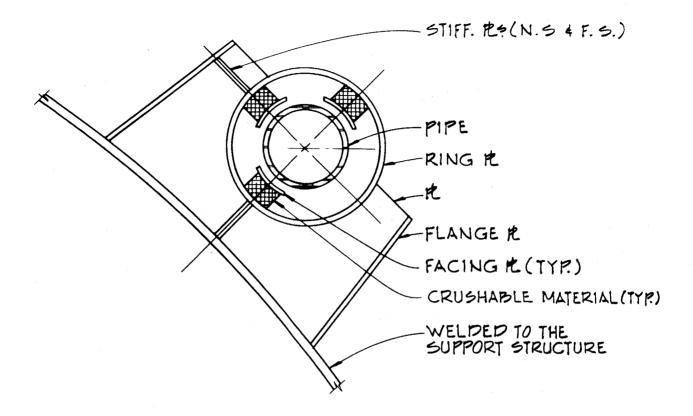


FIGURE 3.6-12

TYPICAL CRUSHABLE MATERIAL RESTRAINT

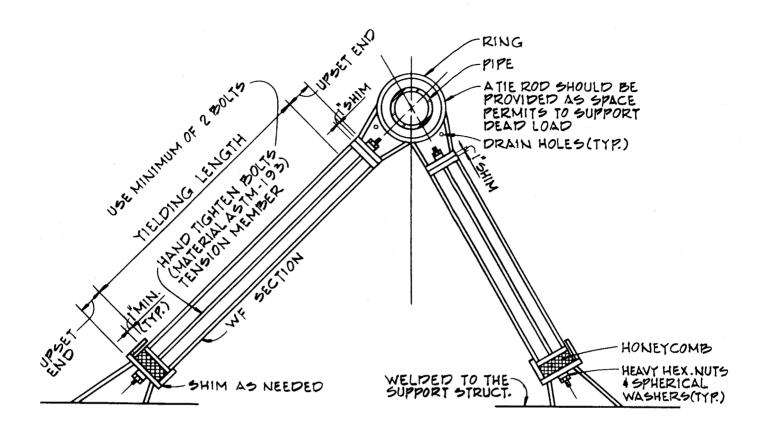
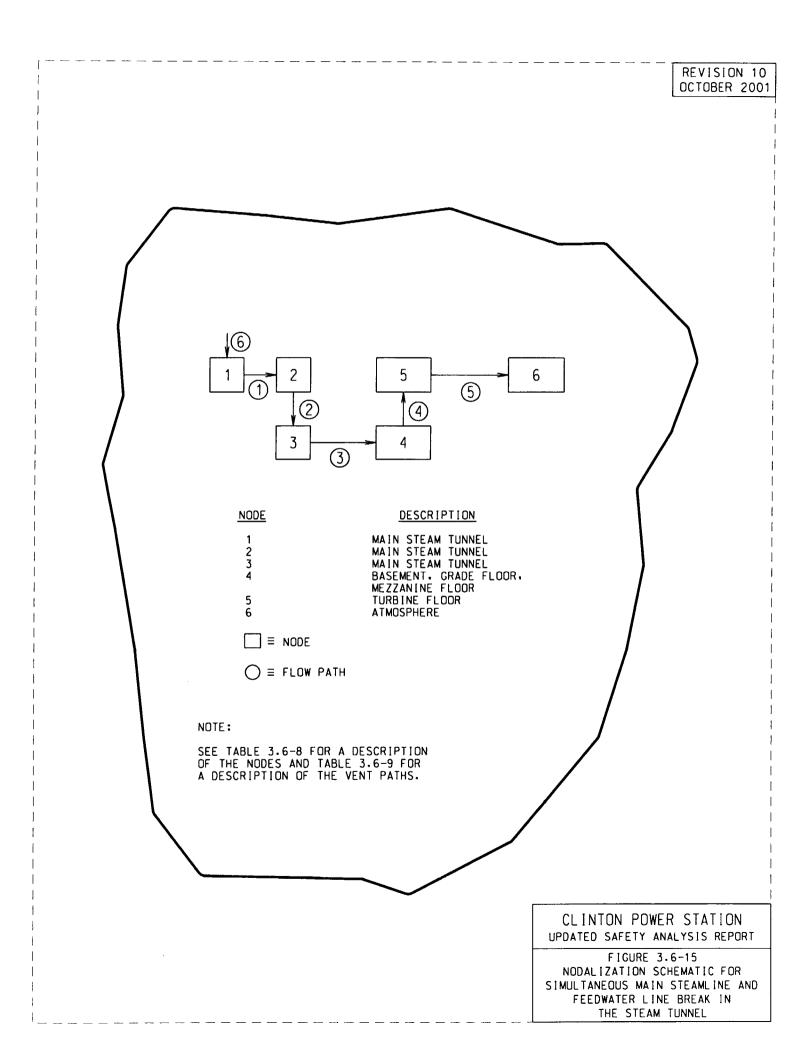
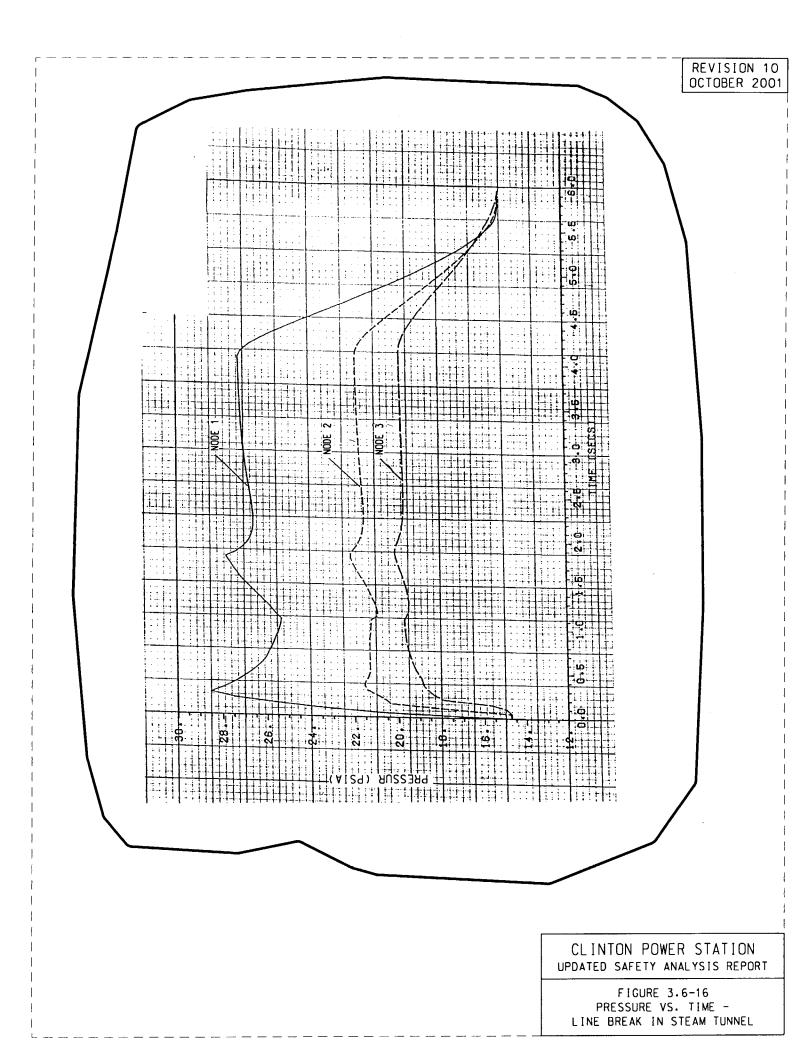


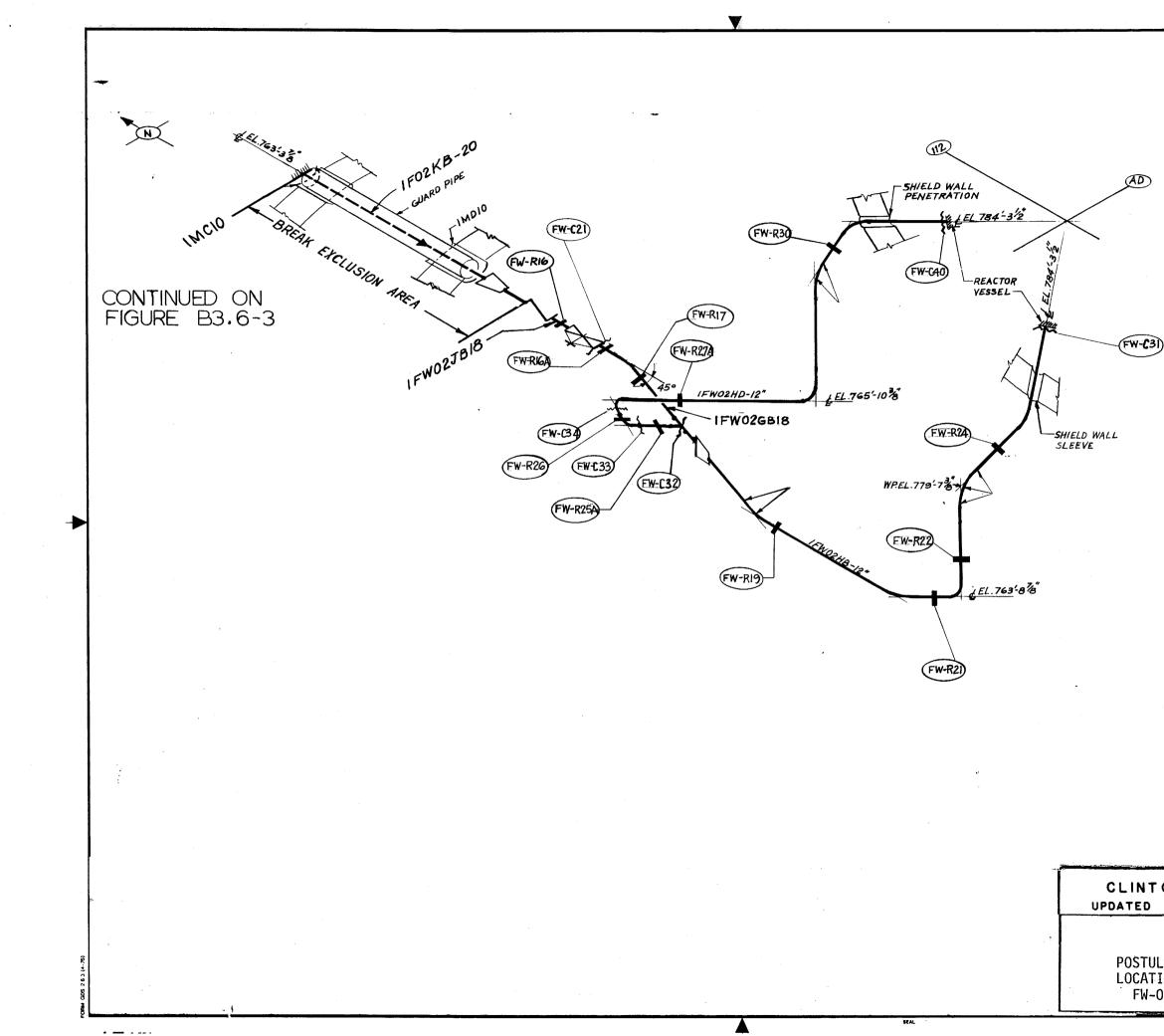
FIGURE 3.6-13

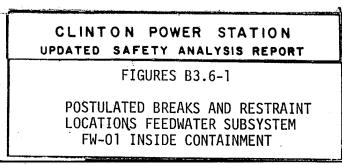
TYPICAL TWO-LEGGED RESTRAINT

Figure 3.6-14 Deleted



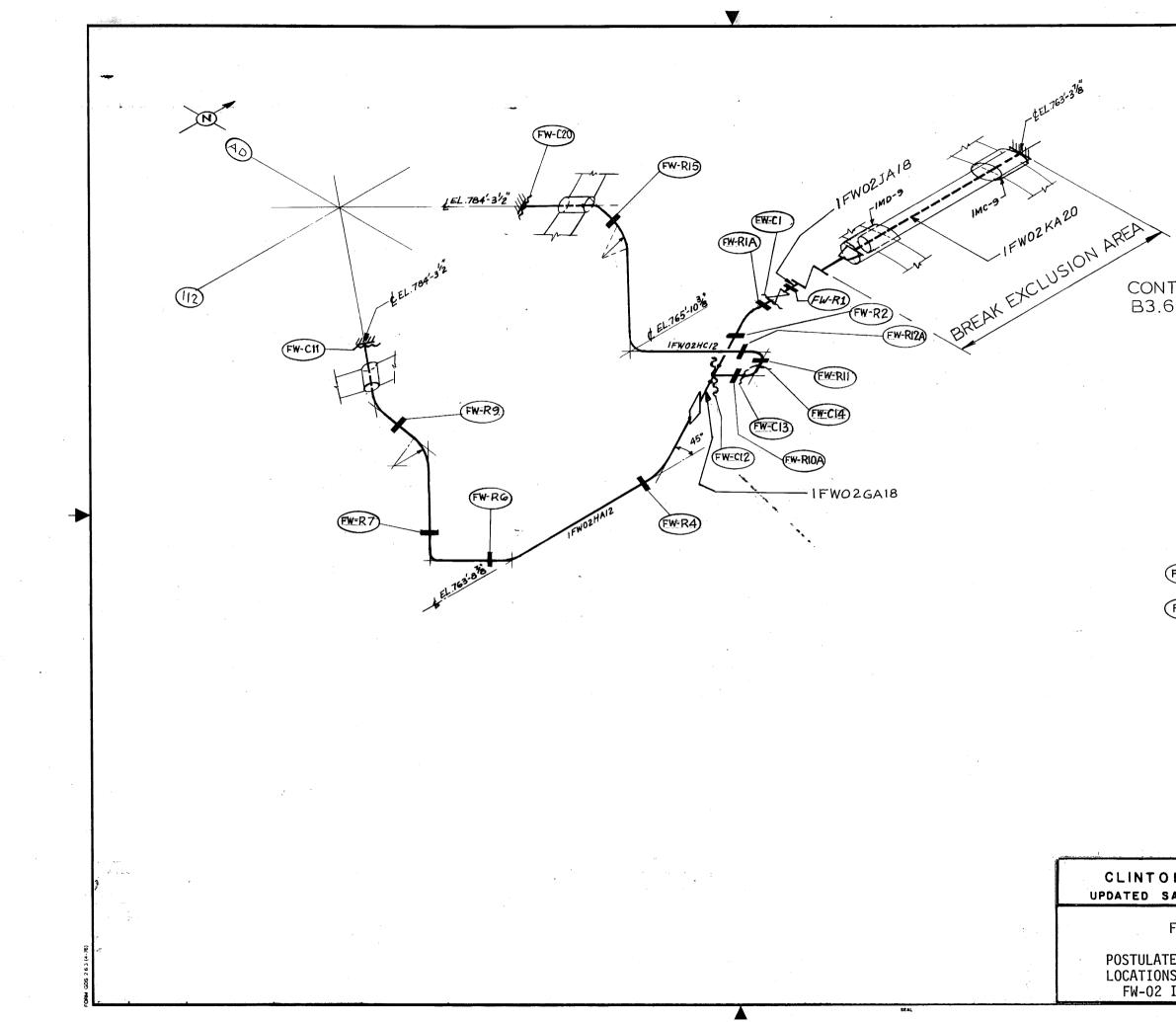






(FW-R) PIPE RESTRAINT

(FW-C) PIPE BREAK



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

UPDATED SAFETY ANALYSIS REPORT

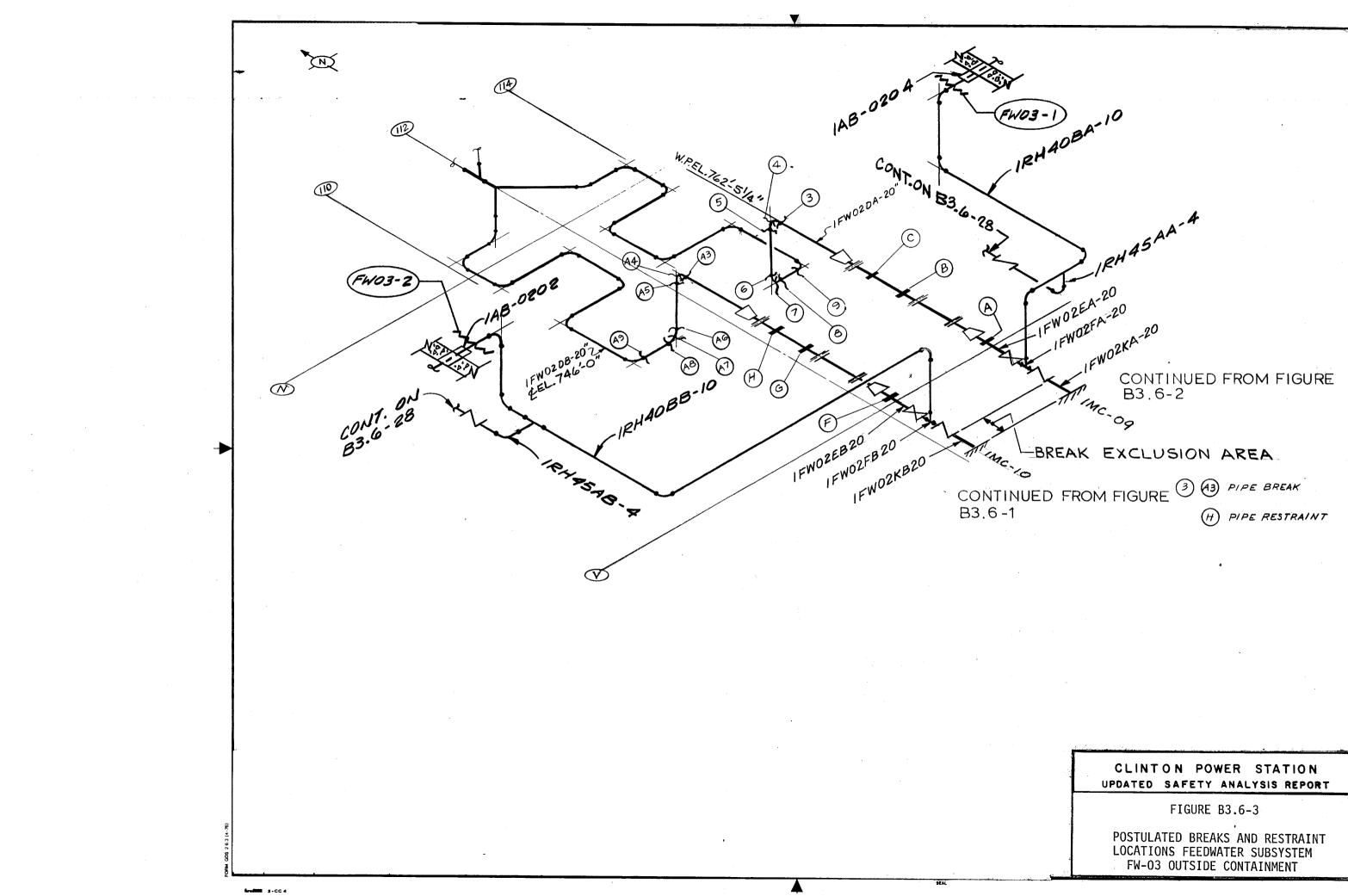
FIGURE B3.6-2

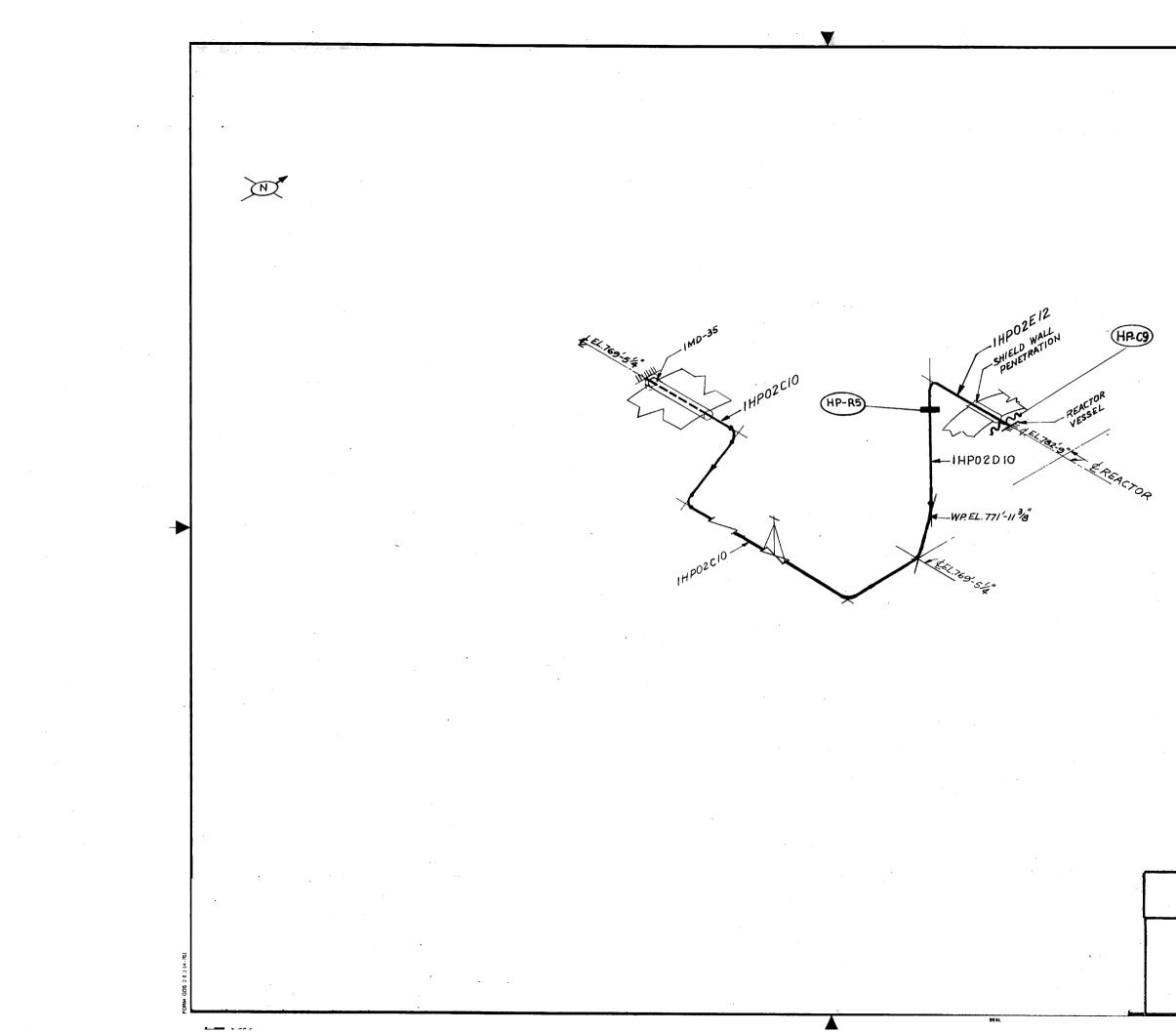
CLINTON POWER STATION

(FW-C) PIPE BREAK

(FW-R) PIPE RESTRAINT

CONTINUED ON FIGURE B3.6-3





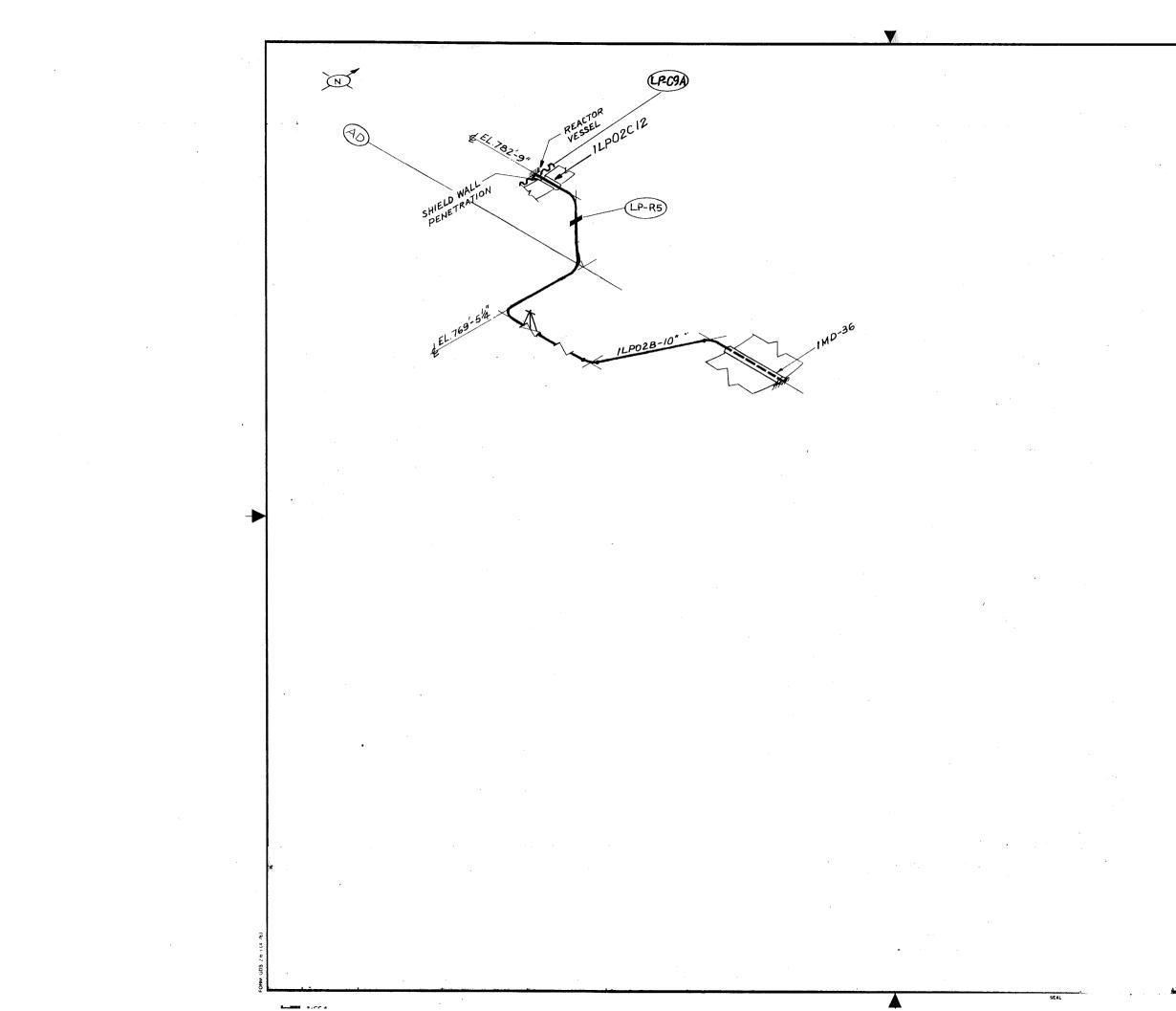
POSTULATED BREAKS AND RESTRAINT LOCATION HPCS SUBSYSTEM HP-01 INSIDE CONTAINMENT

FIGURE B3.6-4

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT



(HP-R) PIPE RESTRAINT



POSTULATED BREAKS AND RESTRAINT LOCATIONS LPCS SUBSYSTEM LP-01 INSIDE CONTAINMENT

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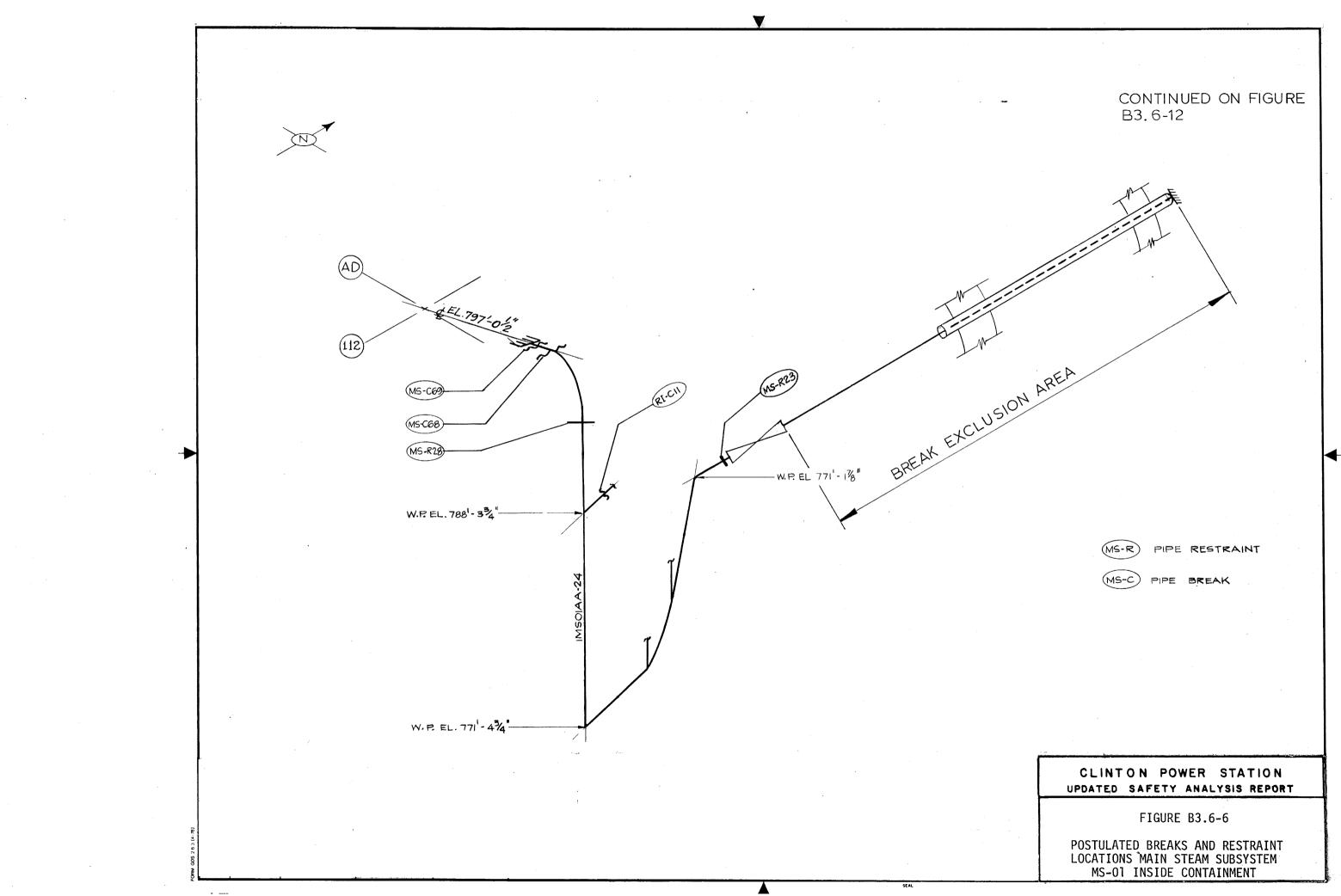
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

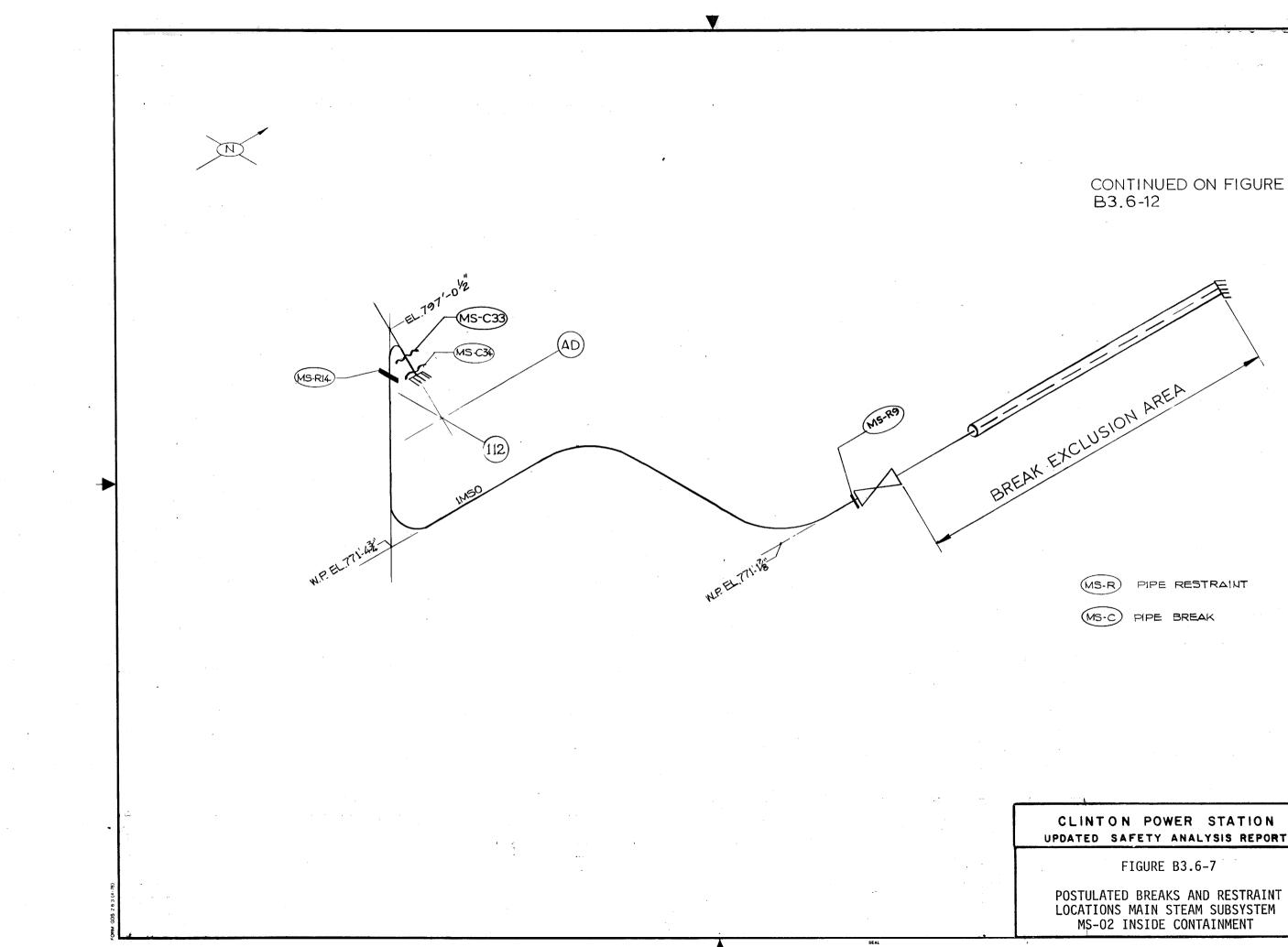
FIGURE B3.6-5

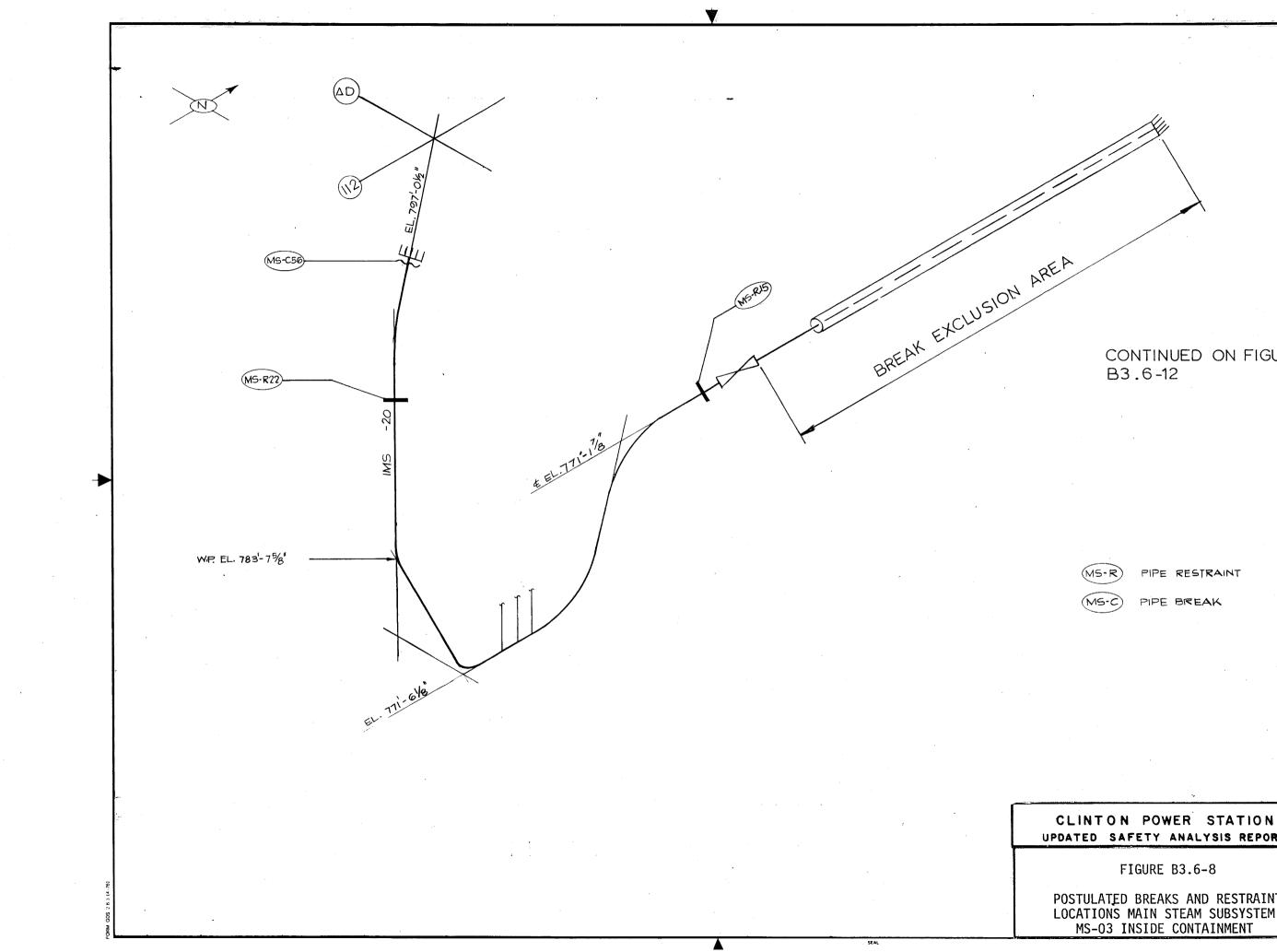
LP-C PIPE BREAK

(LP-R) PIPE RESTRAINT

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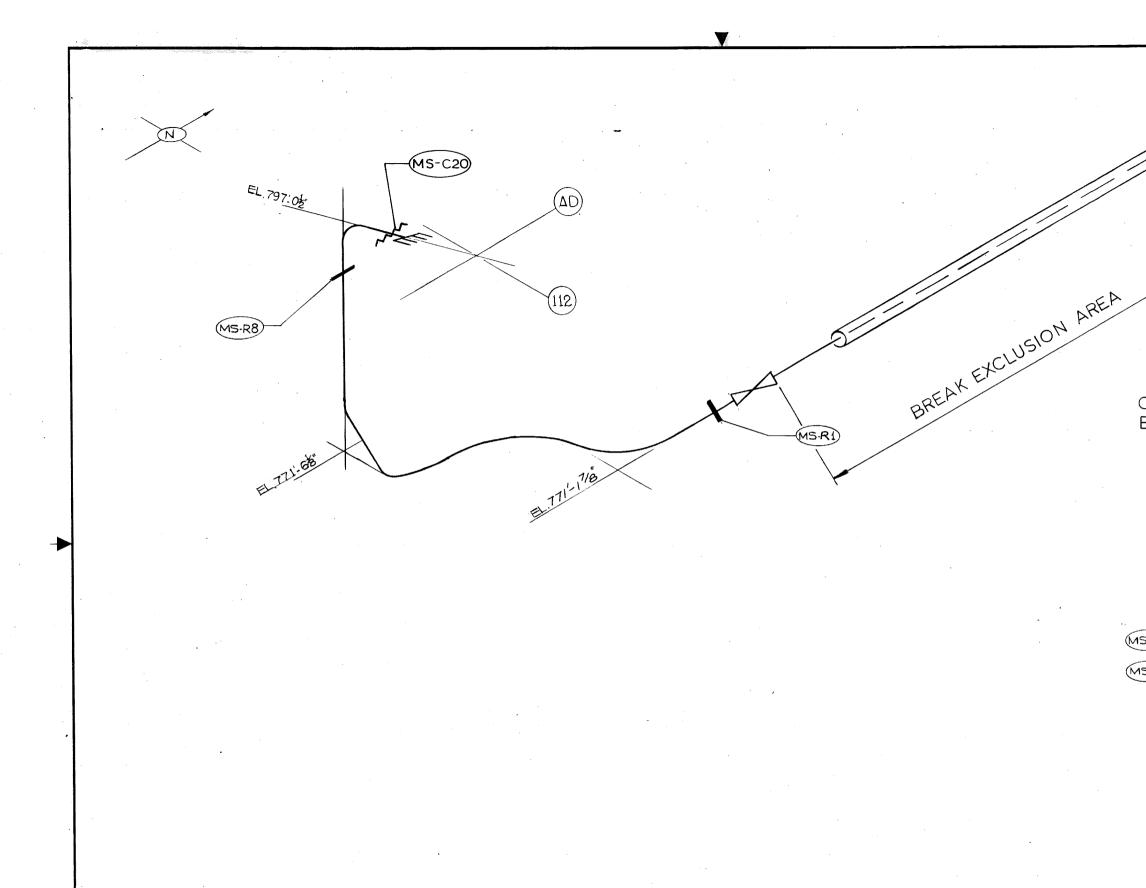
POSTULATED BREAKS AND RESTRAINT LOCATIONS MAIN STEAM SUBSYSTEM MS-03 INSIDE CONTAINMENT

UPDATED SAFETY ANALYSIS REPORT





CONTINUED ON FIGURE B3.6-12



CONTINUED ON FIGURE B3. 6-12

PIPE RESTRAINT

PIPE BREAK

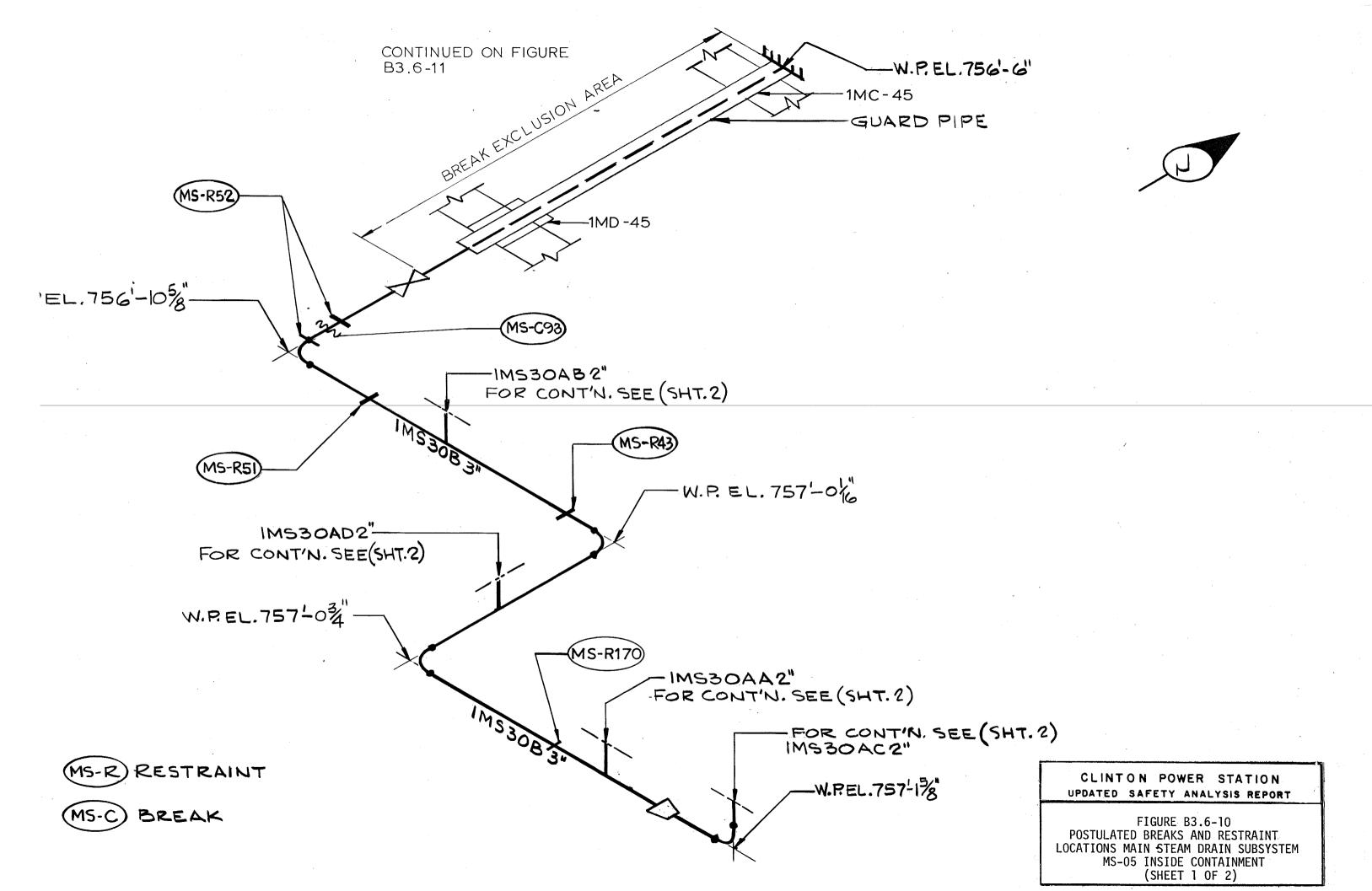
(MS-R)

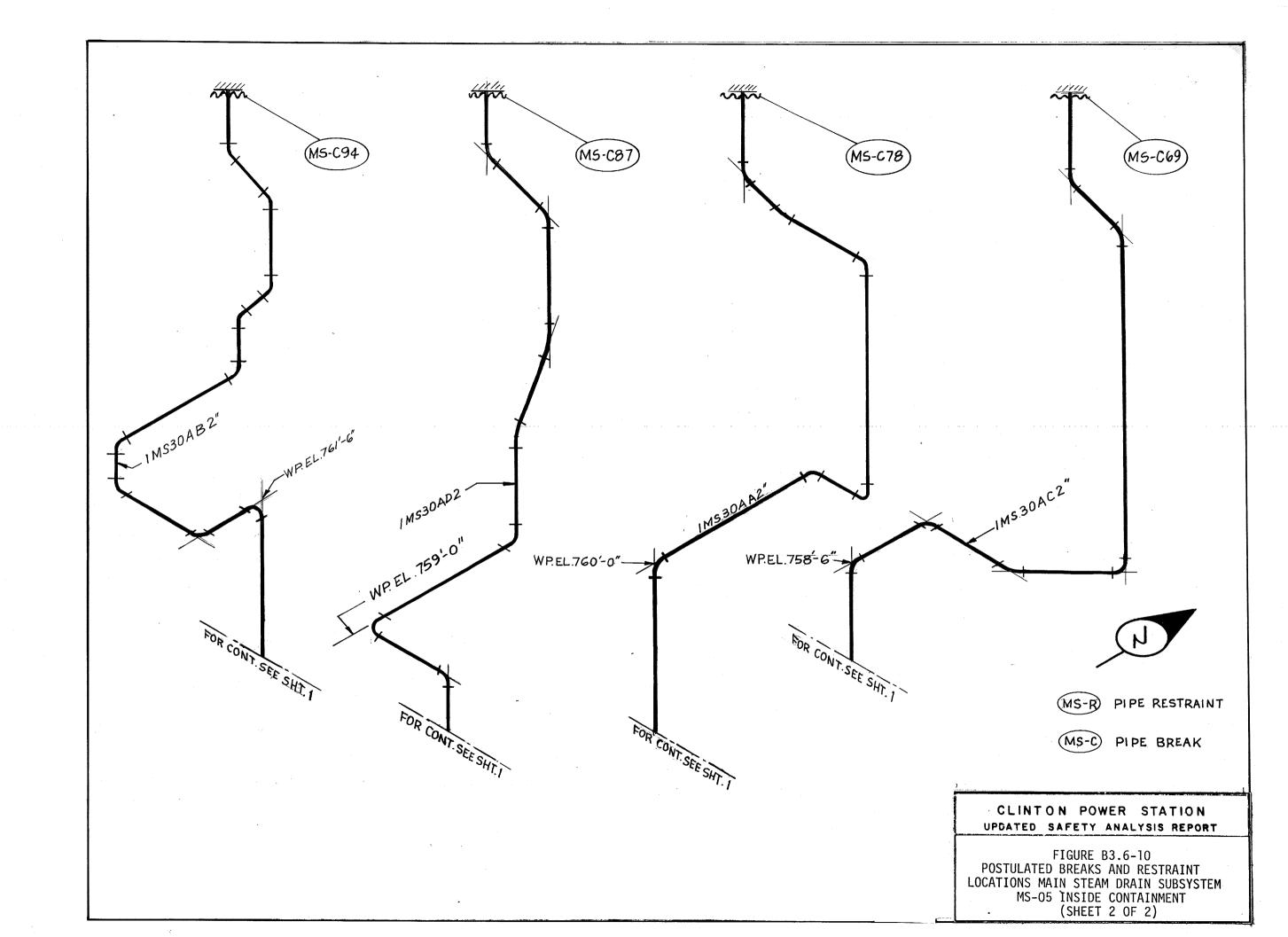
(MS-C)

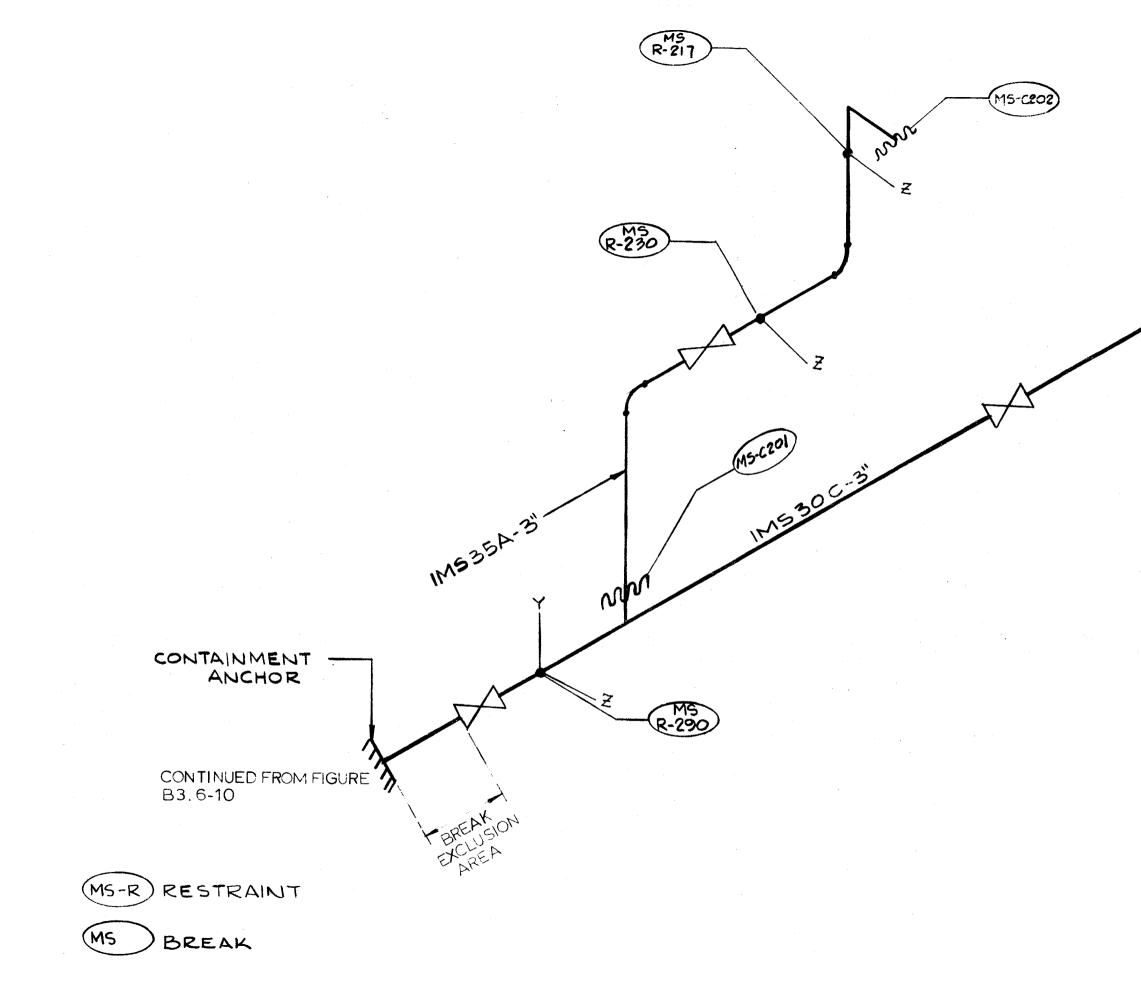
SEAL

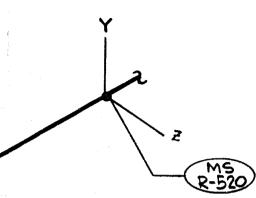
FIGURE B3.6-9

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









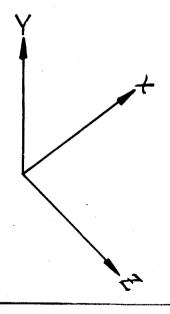
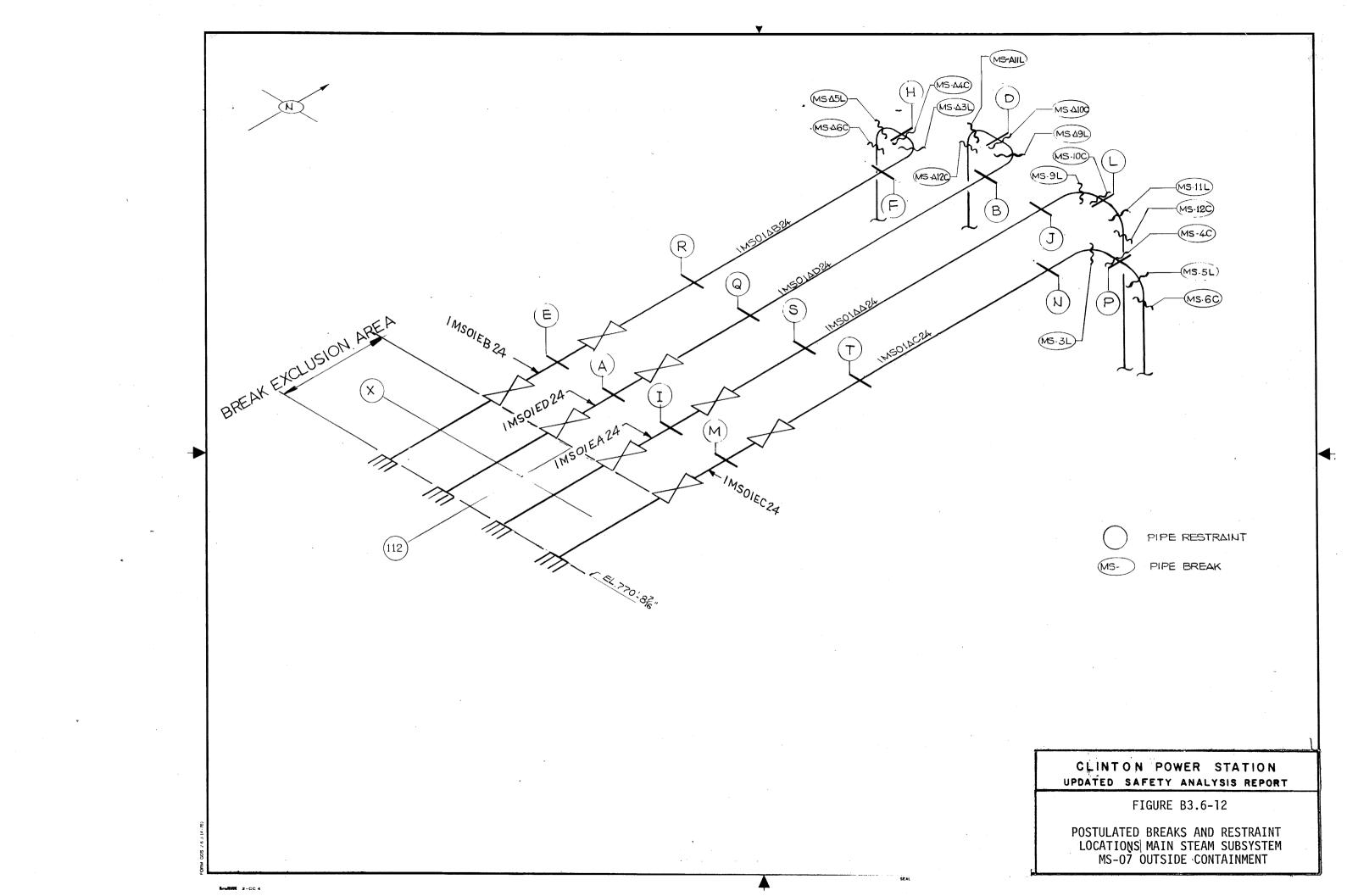
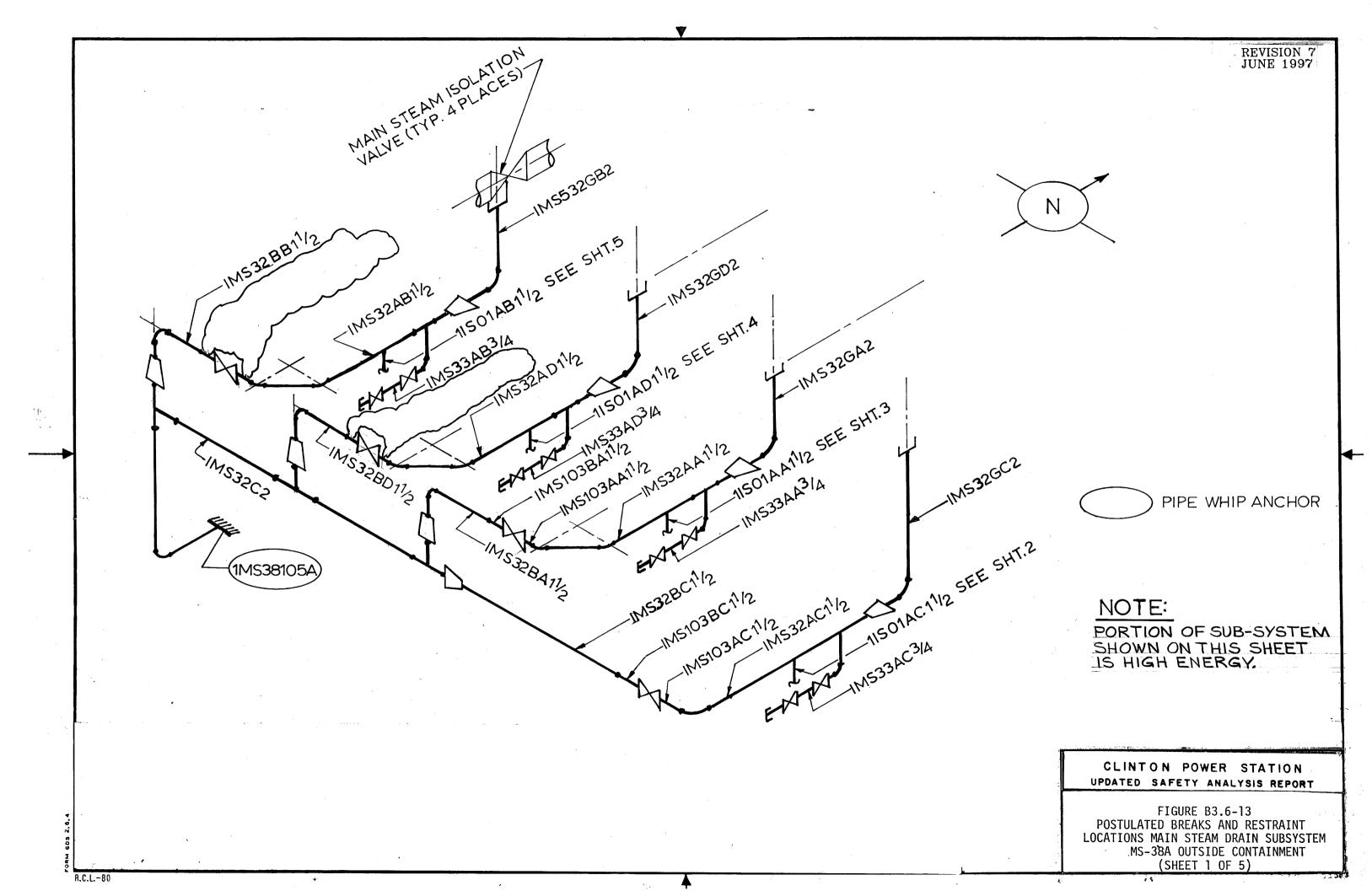
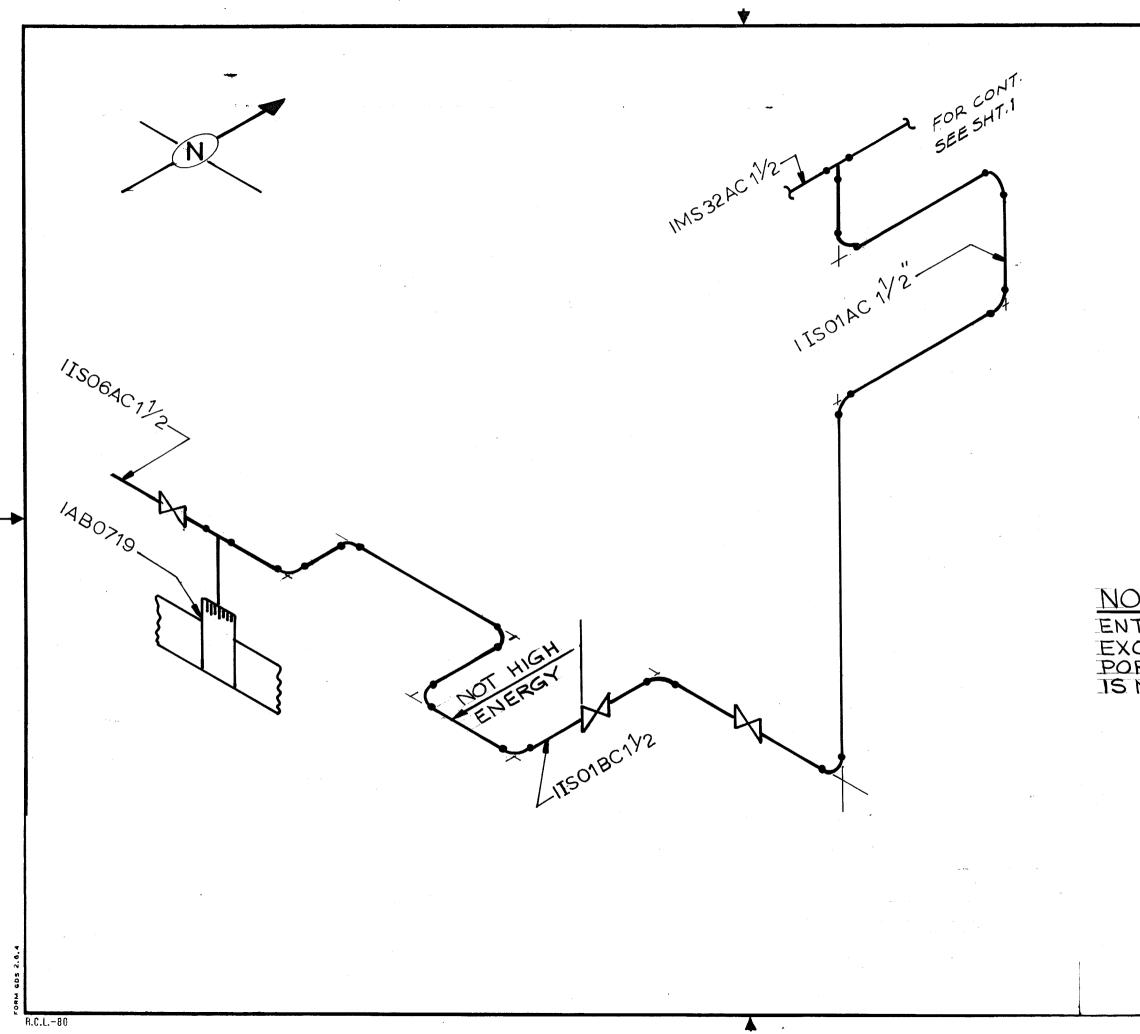
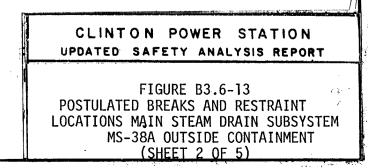


FIGURE B3.6-11 POSTULATED BREAKS AND RESTRAINT LOCATIONS MAIN STEAM DRAIN SUBSYSTEM MS-06 OUTSIDE CONTAINMENT









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

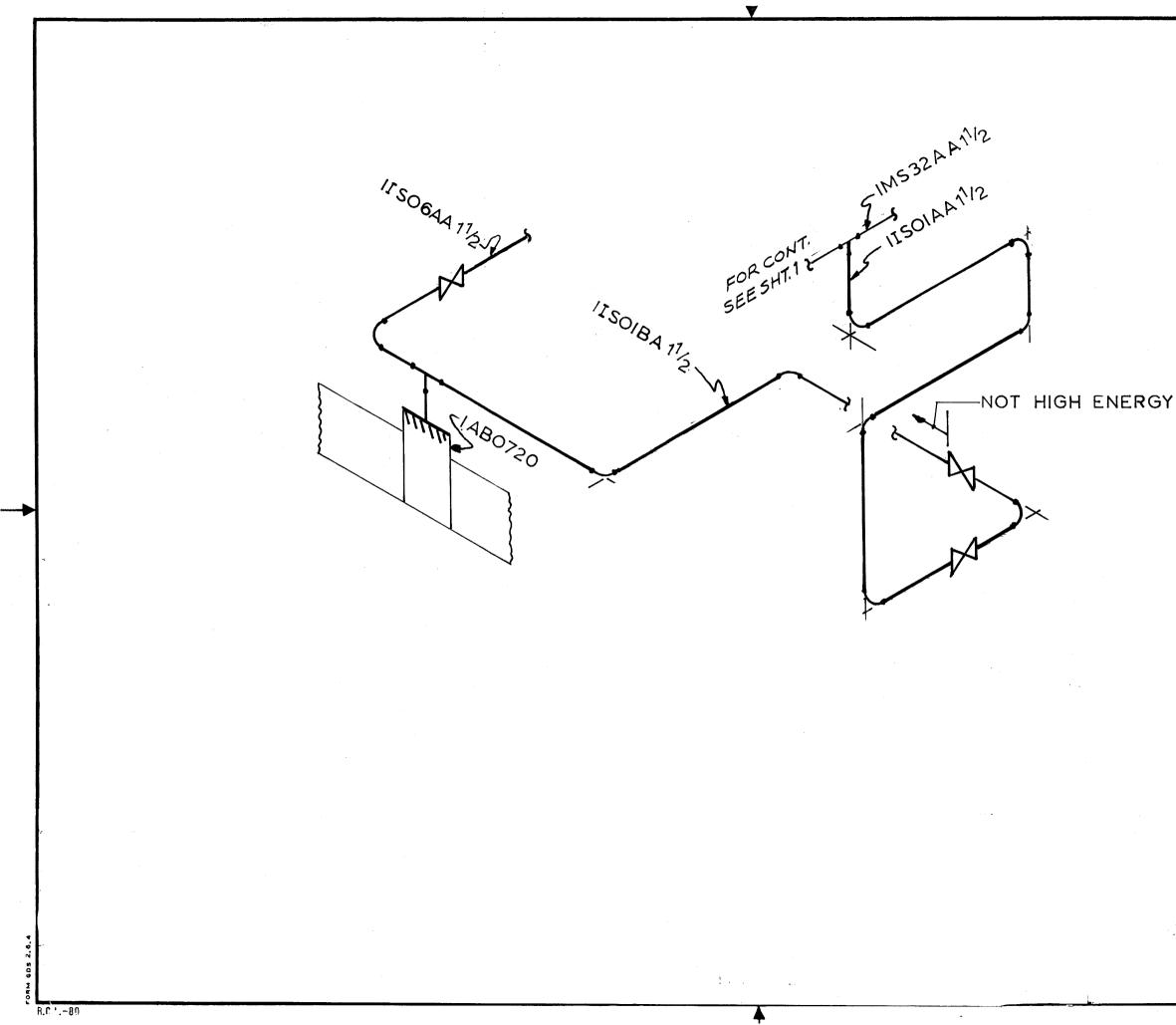
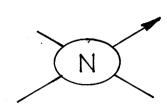


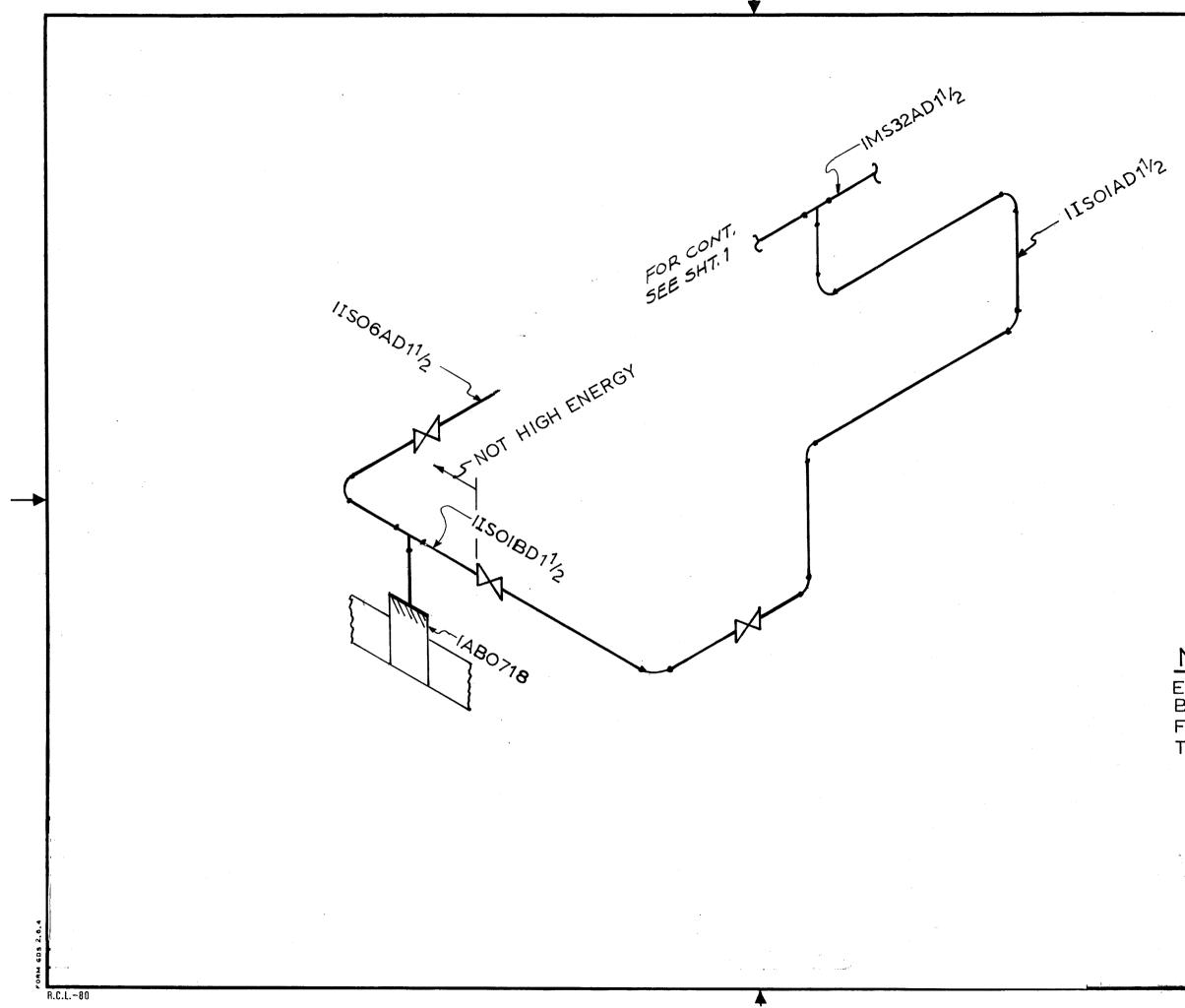
FIGURE B3.6-13 POSTULATED BREAKS AND RESTRAINT LOCATIONS MAIN STEAM DRAIN SUBSYSTEM MS-38A OUTSIDE CONTAINMENT (SHEET 3 OF 5)

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

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

NOTE:

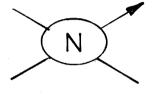




	CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
F	FIGURE B3.6-13
	POSTULATED BREAKS AND RESTRAINT LOCATIONS MAIN STEAM DRAIN SUBSYSTEM
	MS-38A OUTSIDE CONTAINMENT (SHEET 4 OF 5)

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

NOTE:



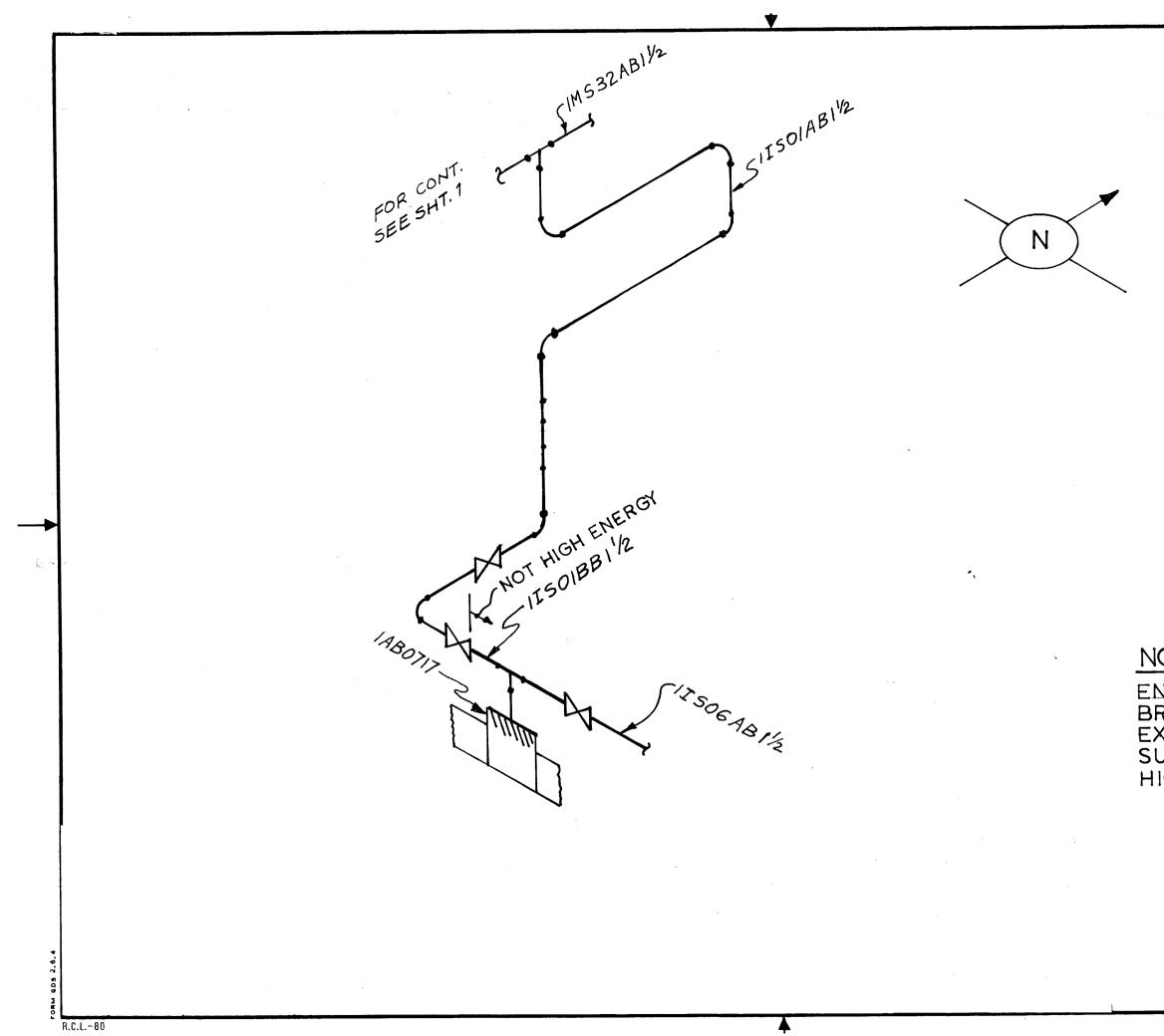


FIGURE B3.6-13 POSTULATED BREAKS AND RESTRAINT LOCATIONS MAIN STEAM DRAIN SUBSYSTEM MS-38A OUTSIDE CONTAINMENT (SHEET 5 OF 5)

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

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

NOTE:

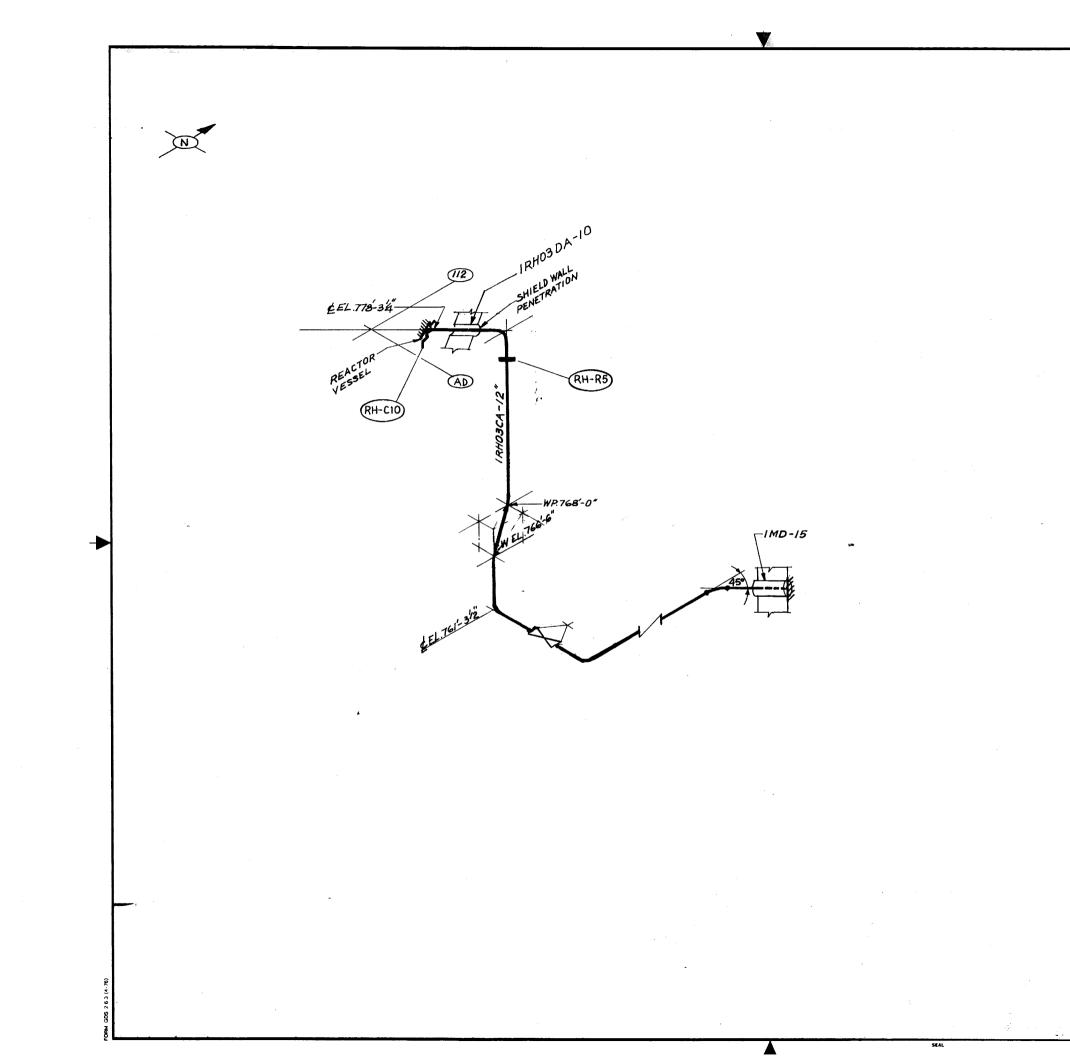


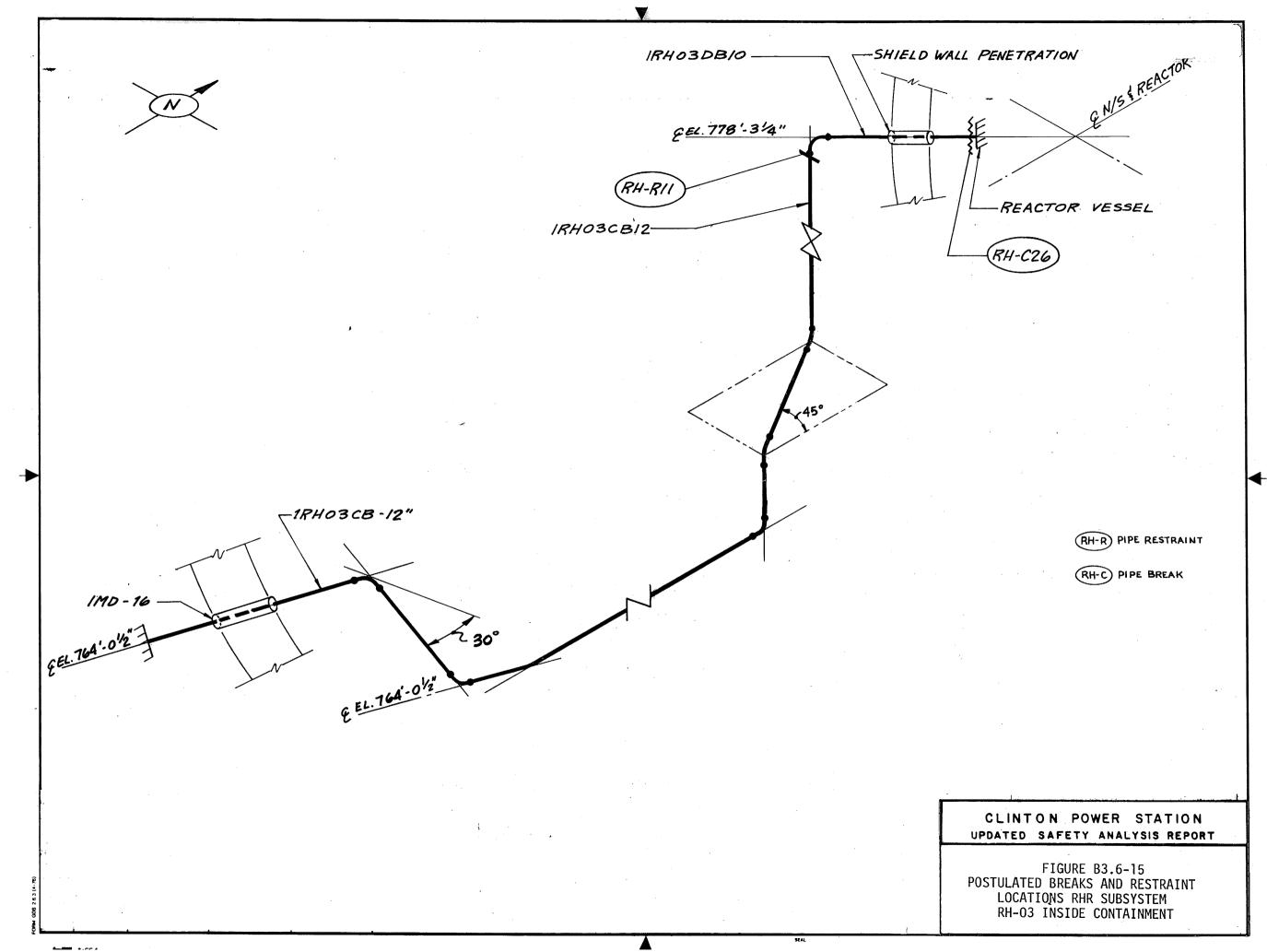
FIGURE B3.6-14 POSTULATED BREAKS AND RESTRAINT LOCATIONS RHR SUBSYSTEM RH-01 INSIDE CONTAINMENT

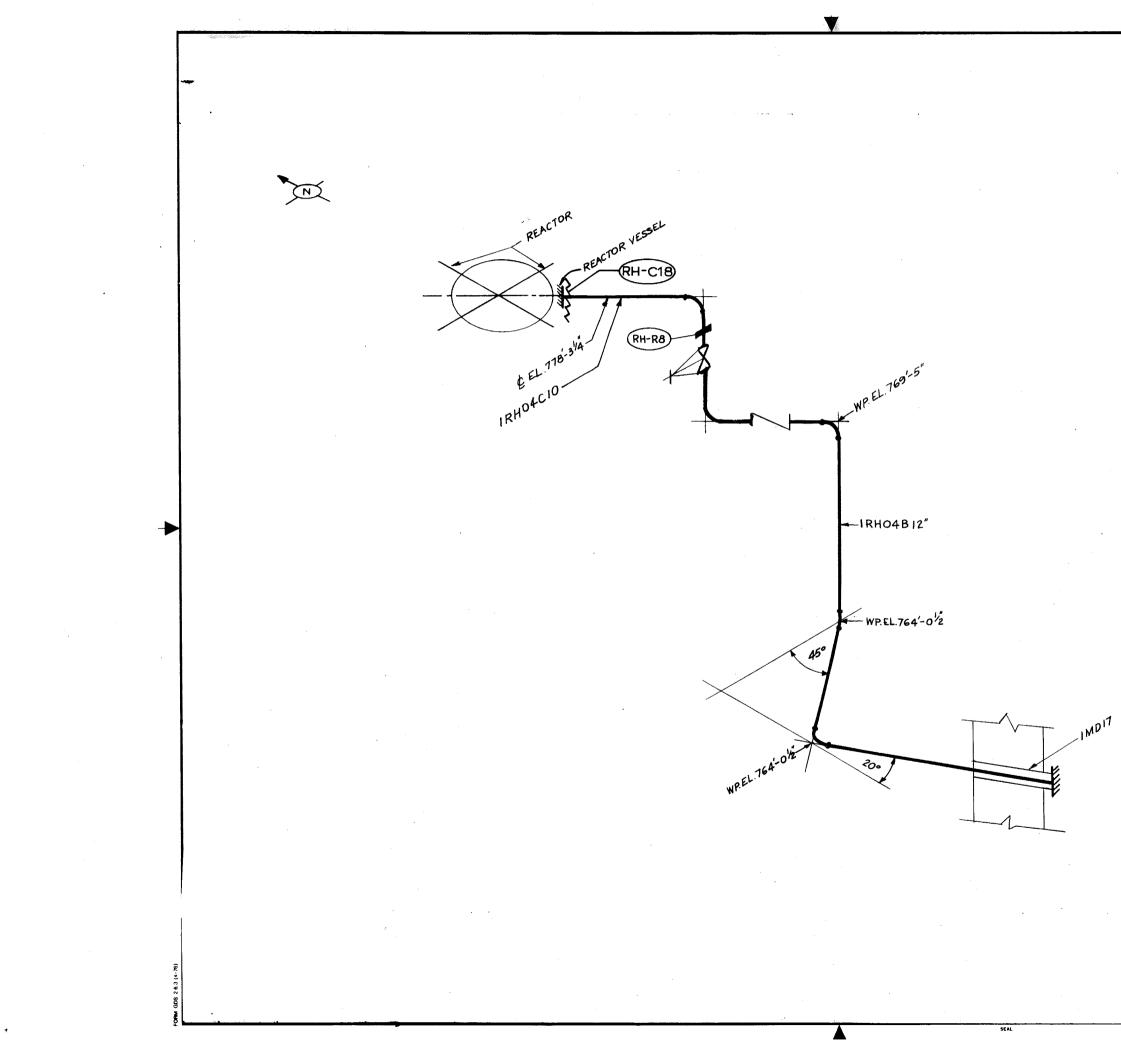
UPDATED SAFETY ANALYSIS REPORT

CLINTON POWER STATION



(RH-R) PIPE RESTRAINT





(RH-R) PIPE RESTRAINT

(RH-C) PIPE BREAK

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

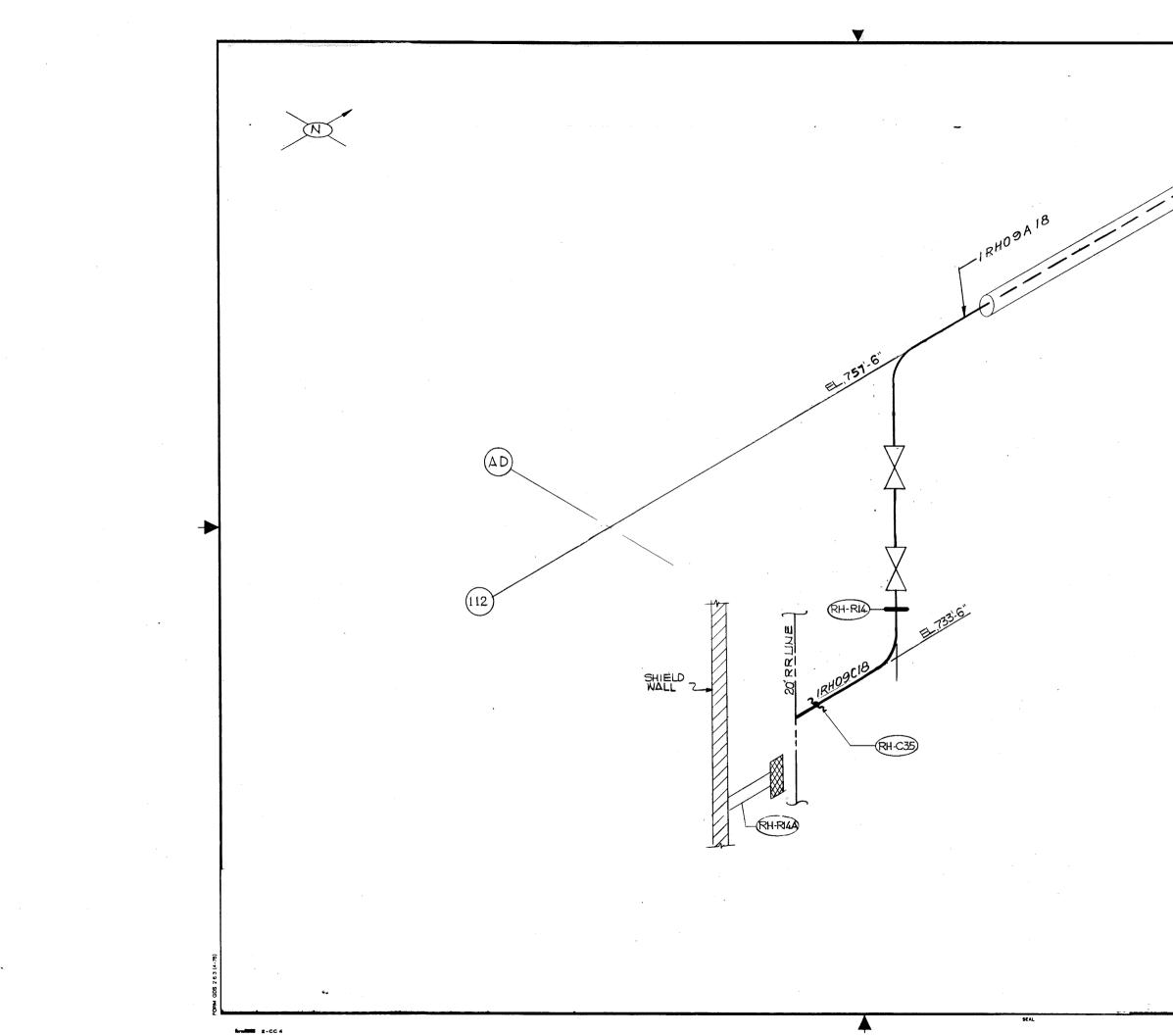
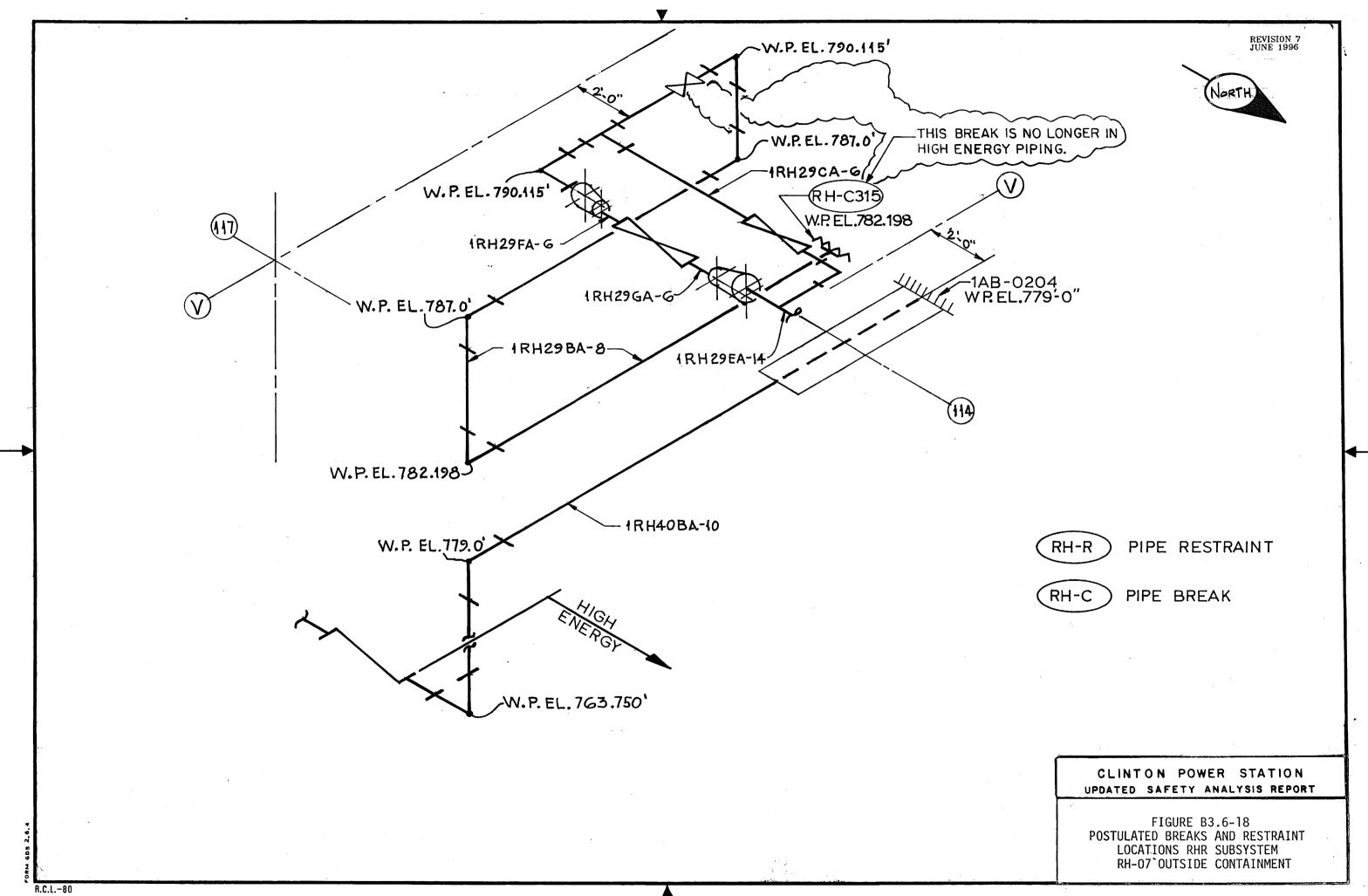
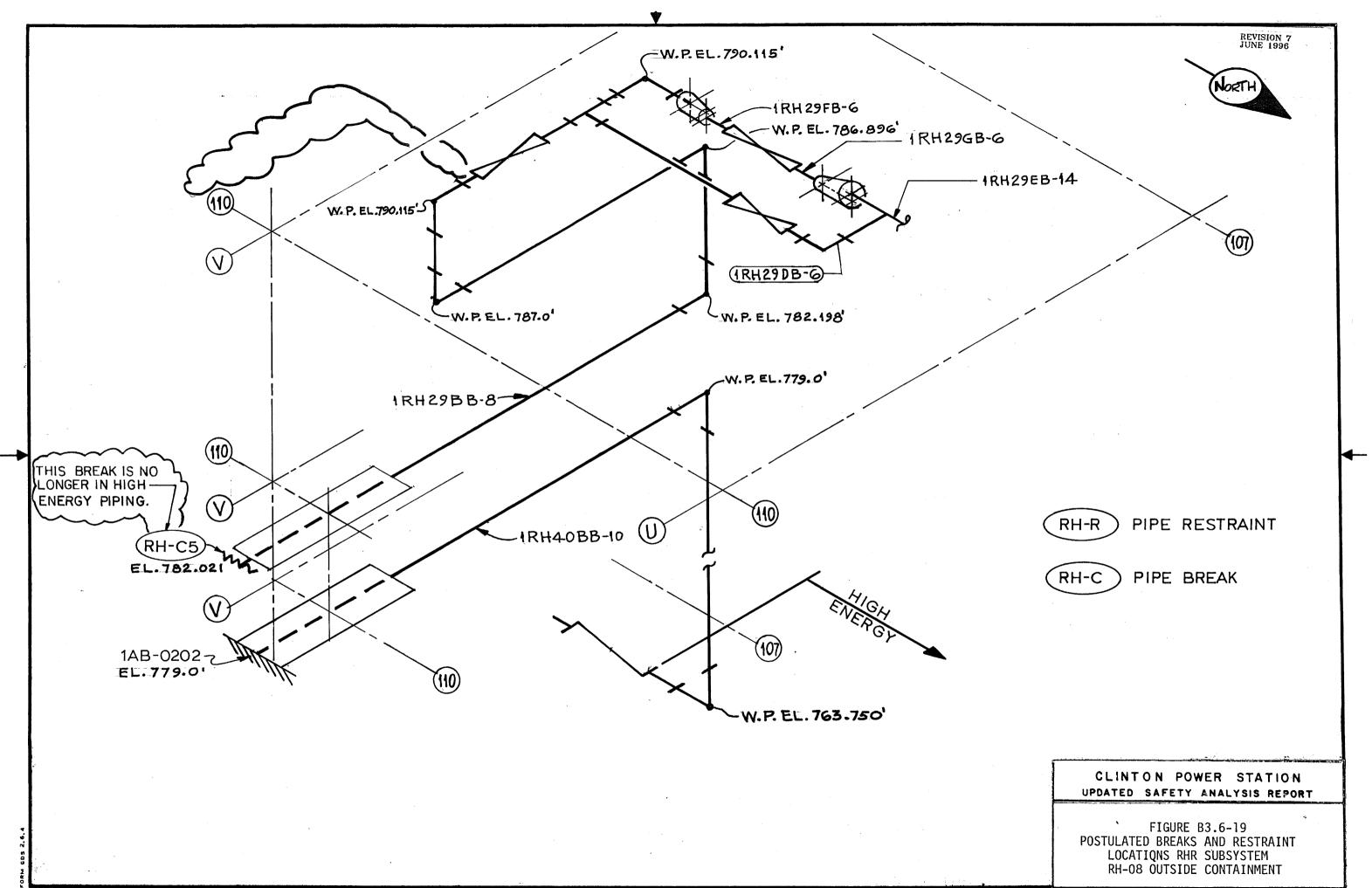


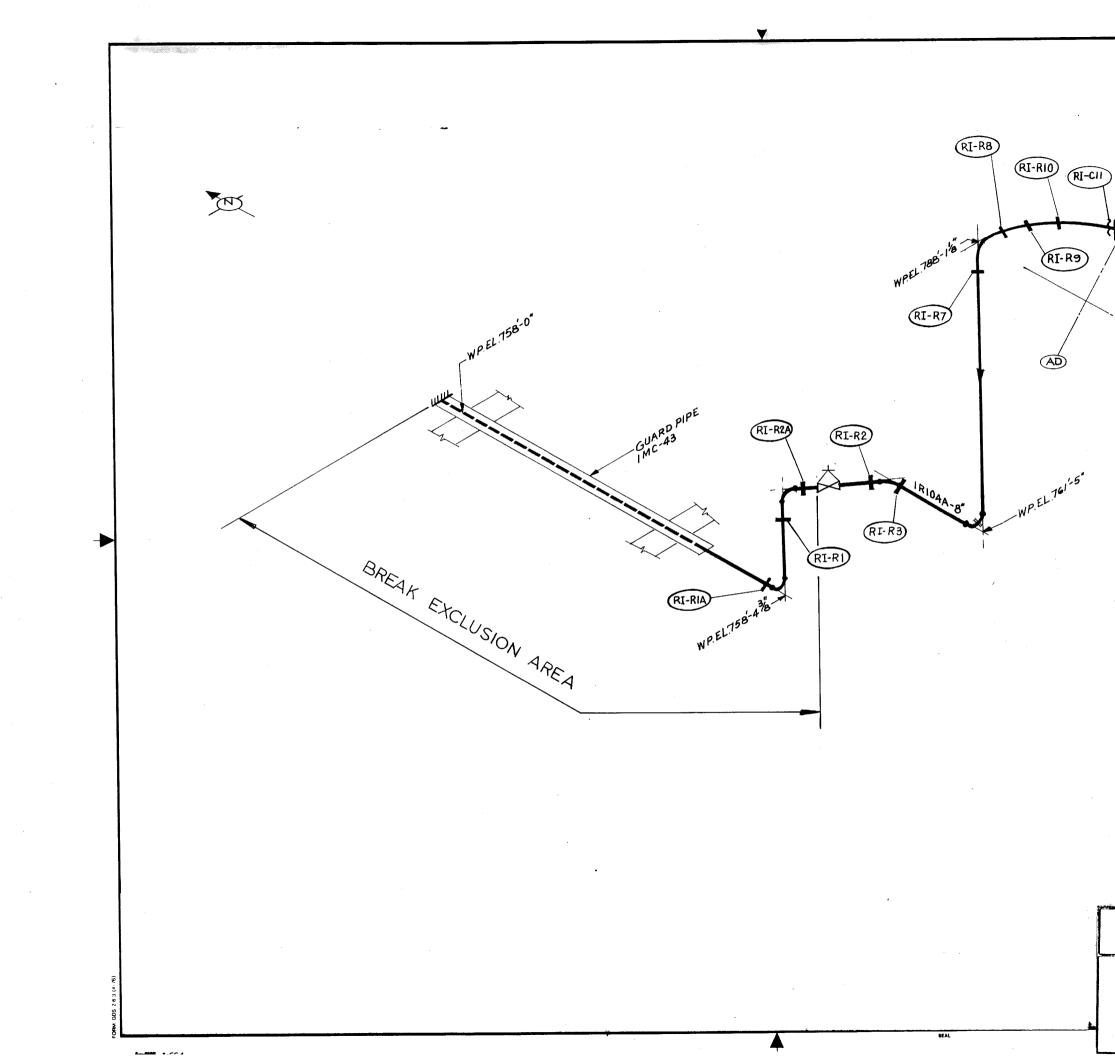
FIGURE B3.6-17 POSTULATED BREAKS AND RESTRAINT LOCATIONS RHR SUBSYSTEM RH-34 INSIDE CONTAINMENT

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

RH-R PIPE RESTRAINT







RI-R PIPE RESTRAINT

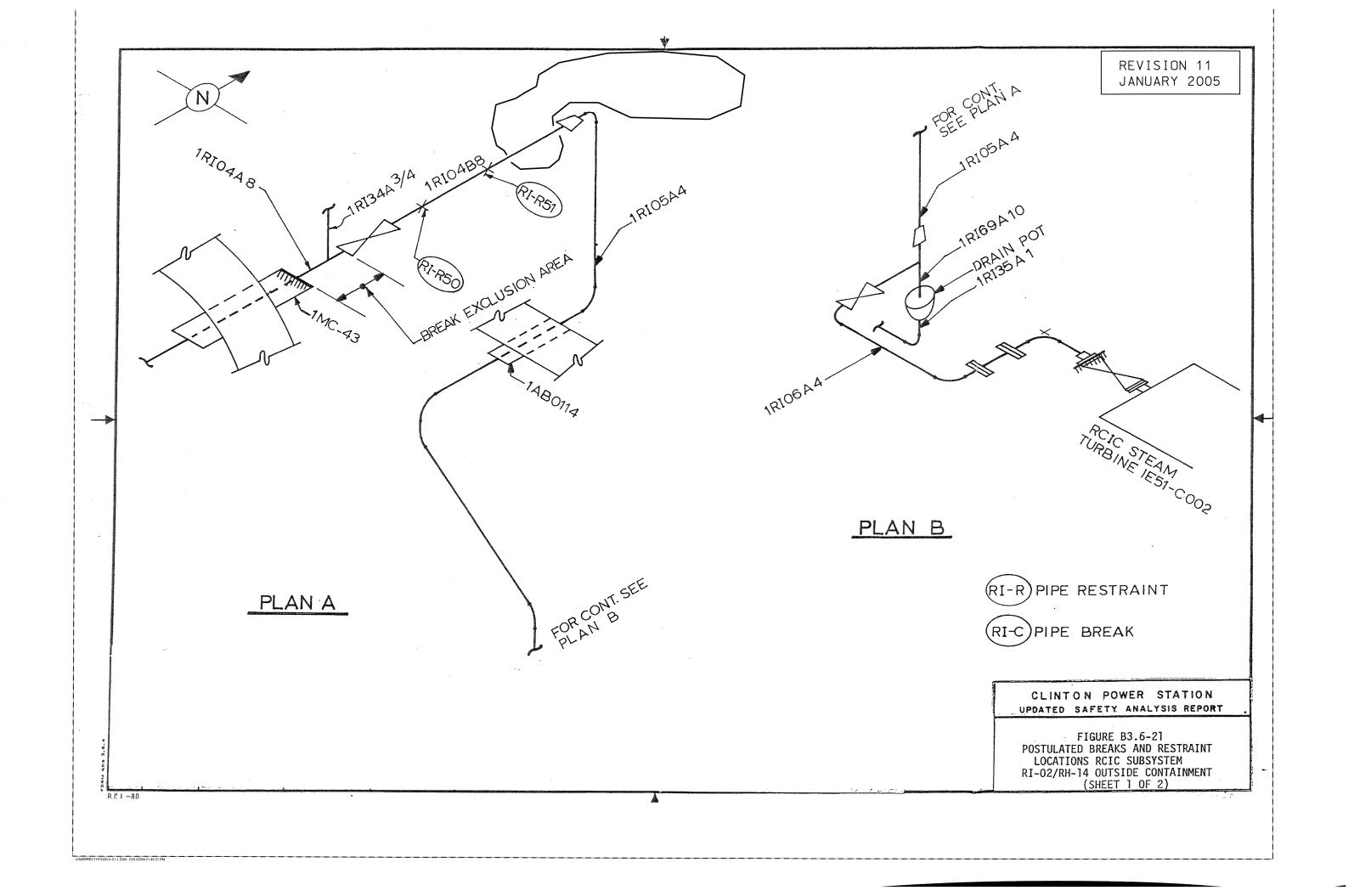
(RI-C) PIPE BREAK

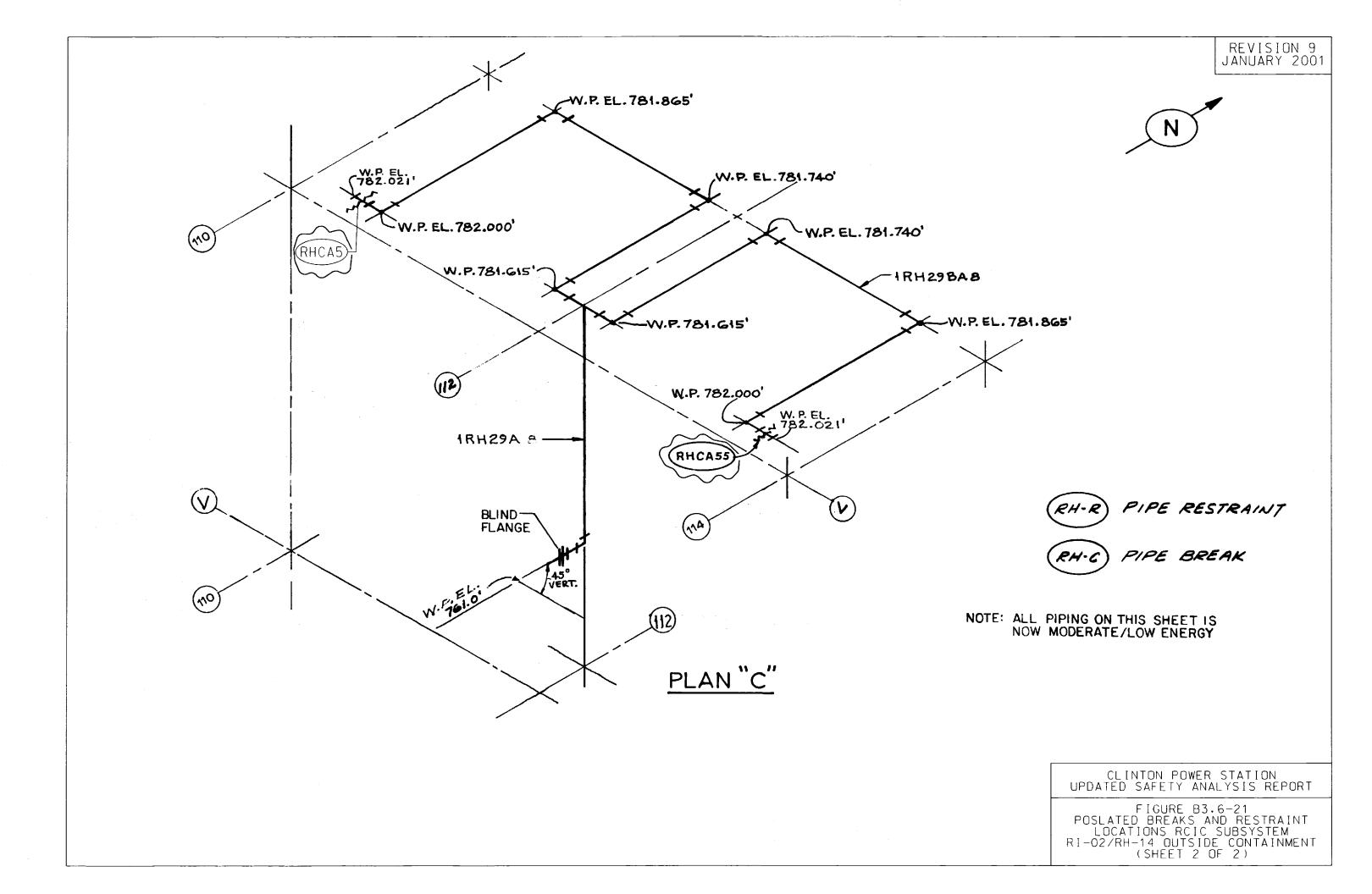
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FIGURE B3.6-20 POSTULATED BREAKS AND RESTRAINT LOCATIONS RCIC SUBSYSTEM RI-01 INSIDE CONTAINMENT





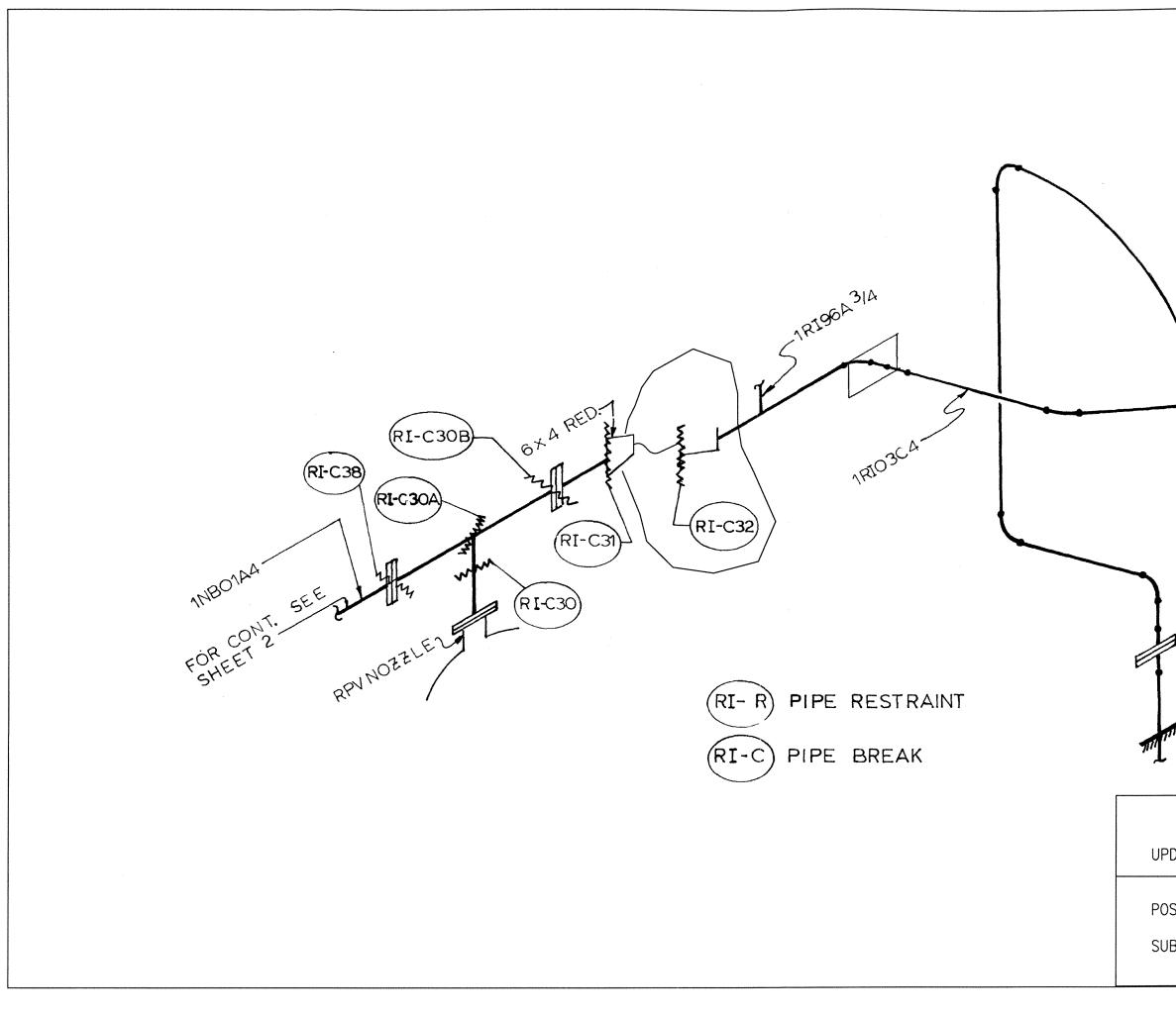


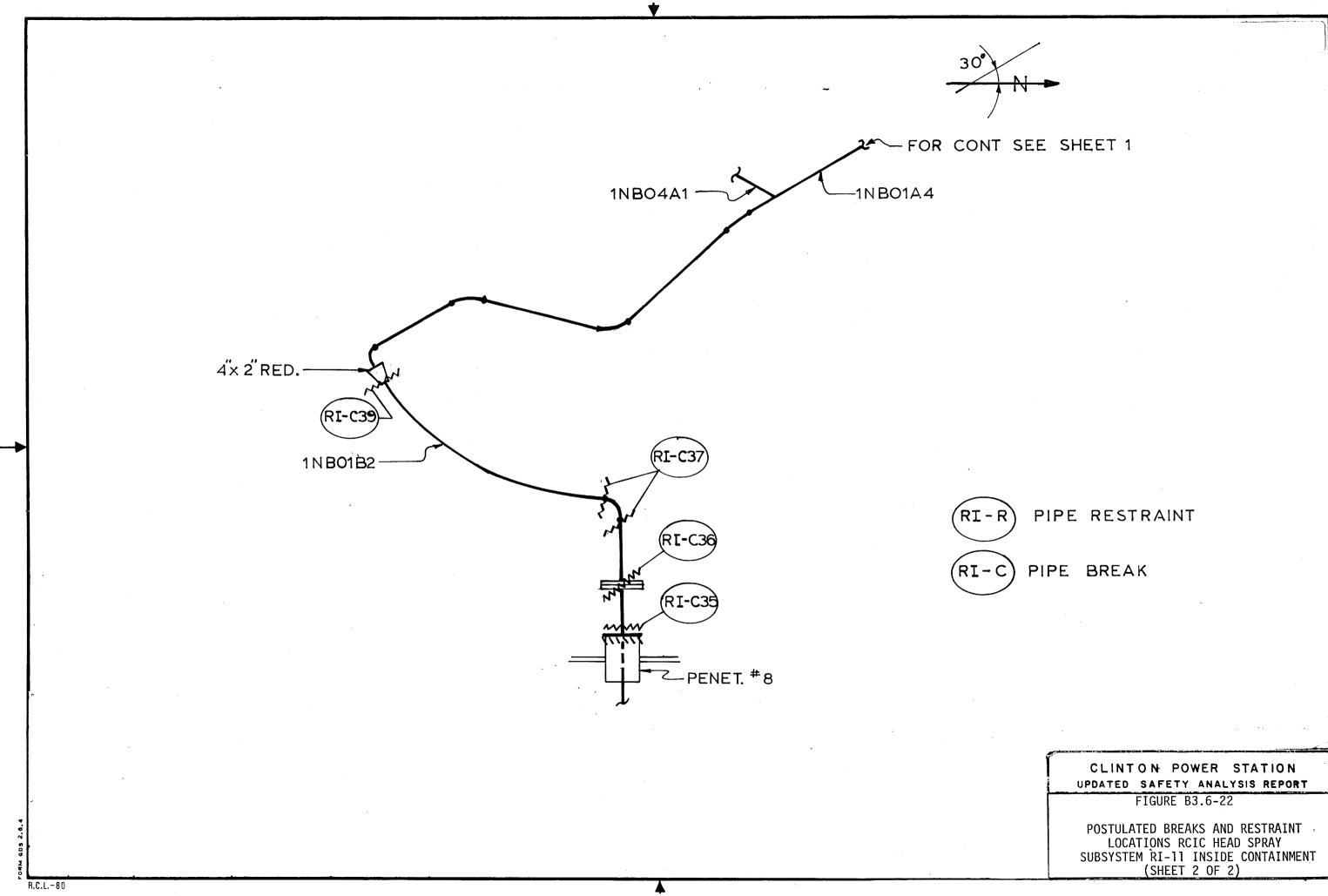
FIGURE B3.6-22 POSTULATED BREAKS AND RESTRAINT LOCATIONS RCIC HEAD SPRAY SUBSYSTEM RI-11 INSIDE CONTAINMENT SHEET 1 OF 2

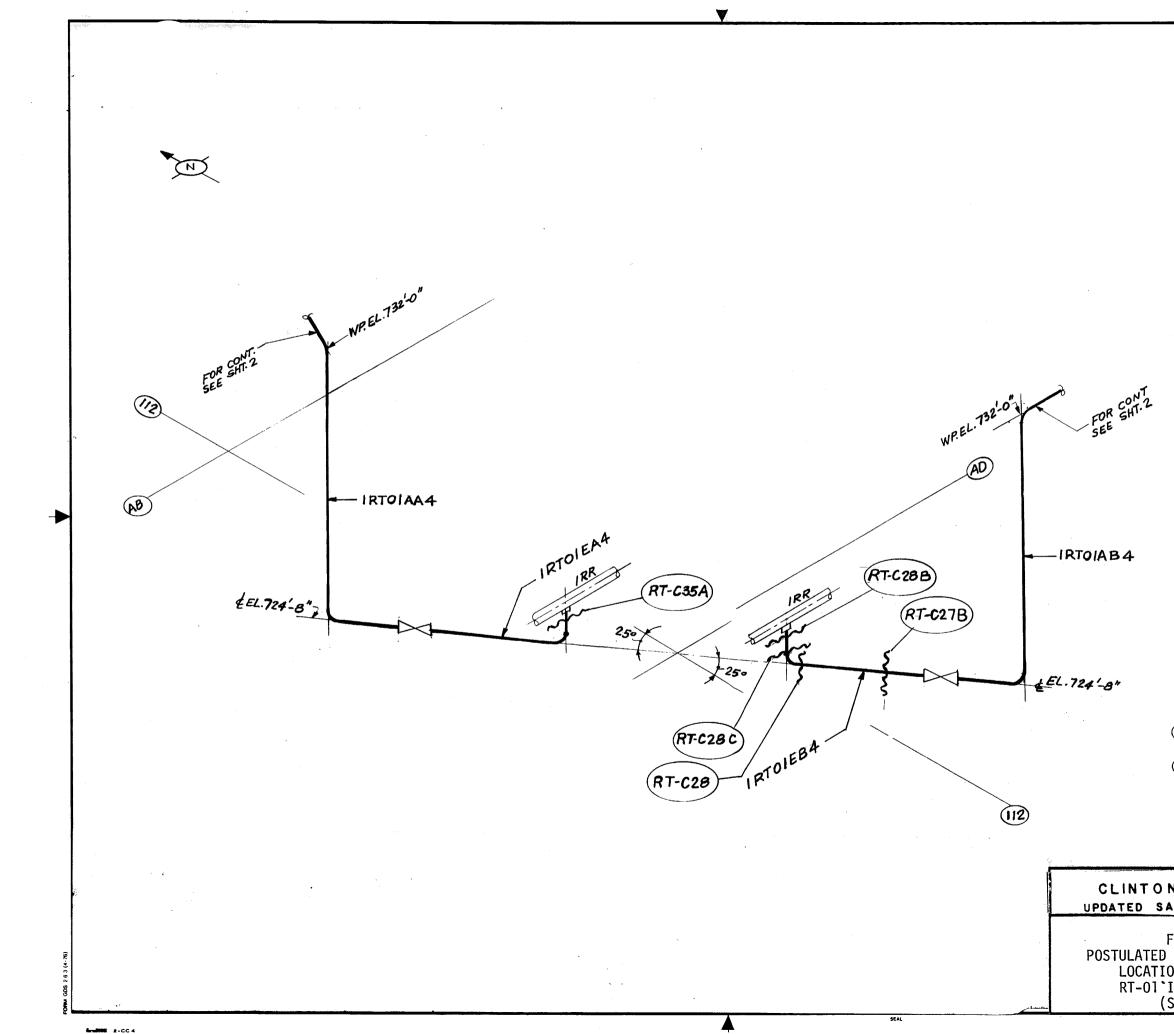
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

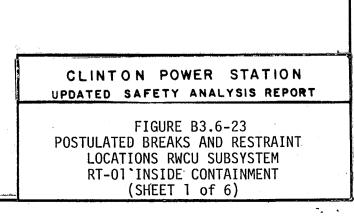
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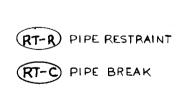
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REVISION 12 JANUARY 2007









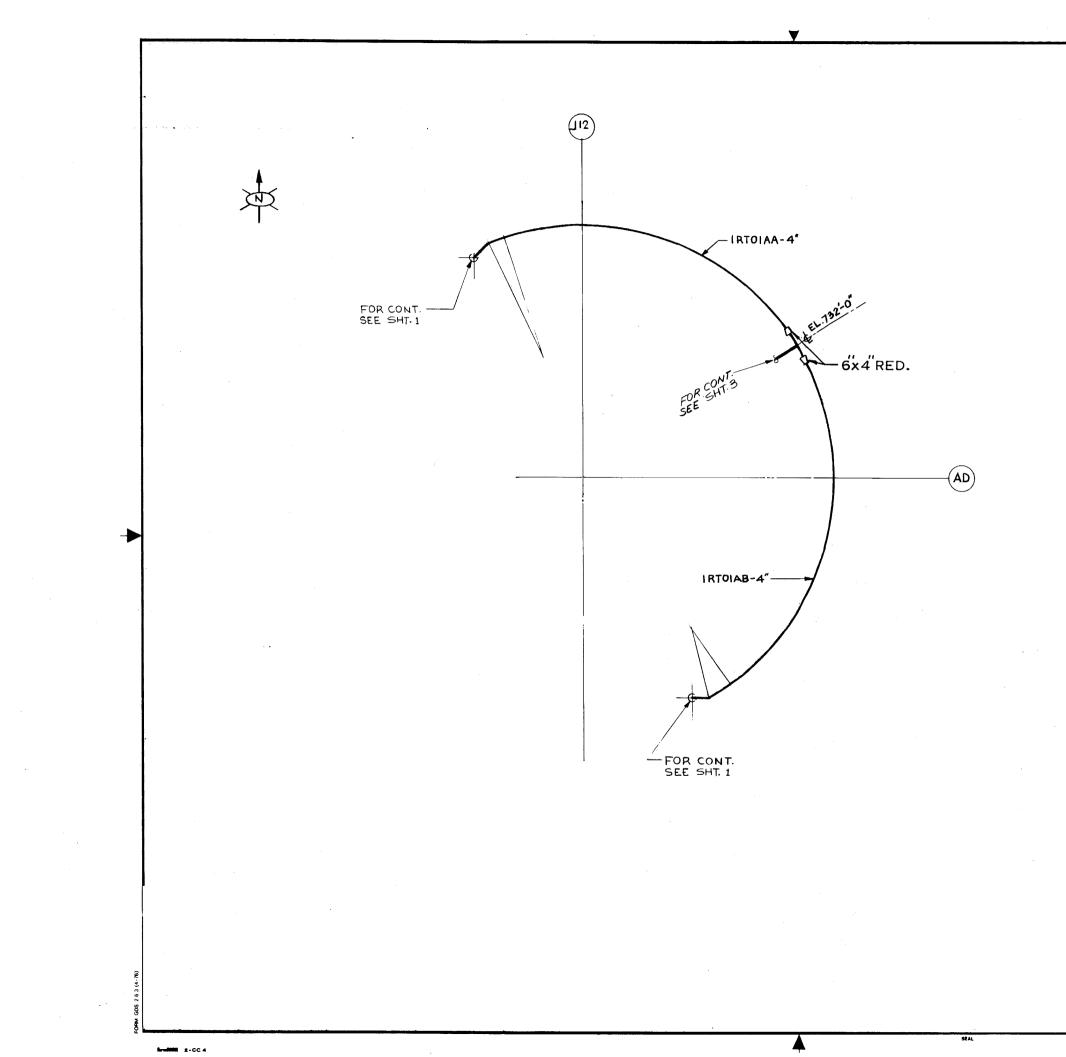


FIGURE B3. 6-23 POSTULATED BREAKS AND RESTRAINT LOCATIONS RWCU SUBSYSTEM RT-01 INSIDE CONTAINMENT (SHEET 2 OF 6)

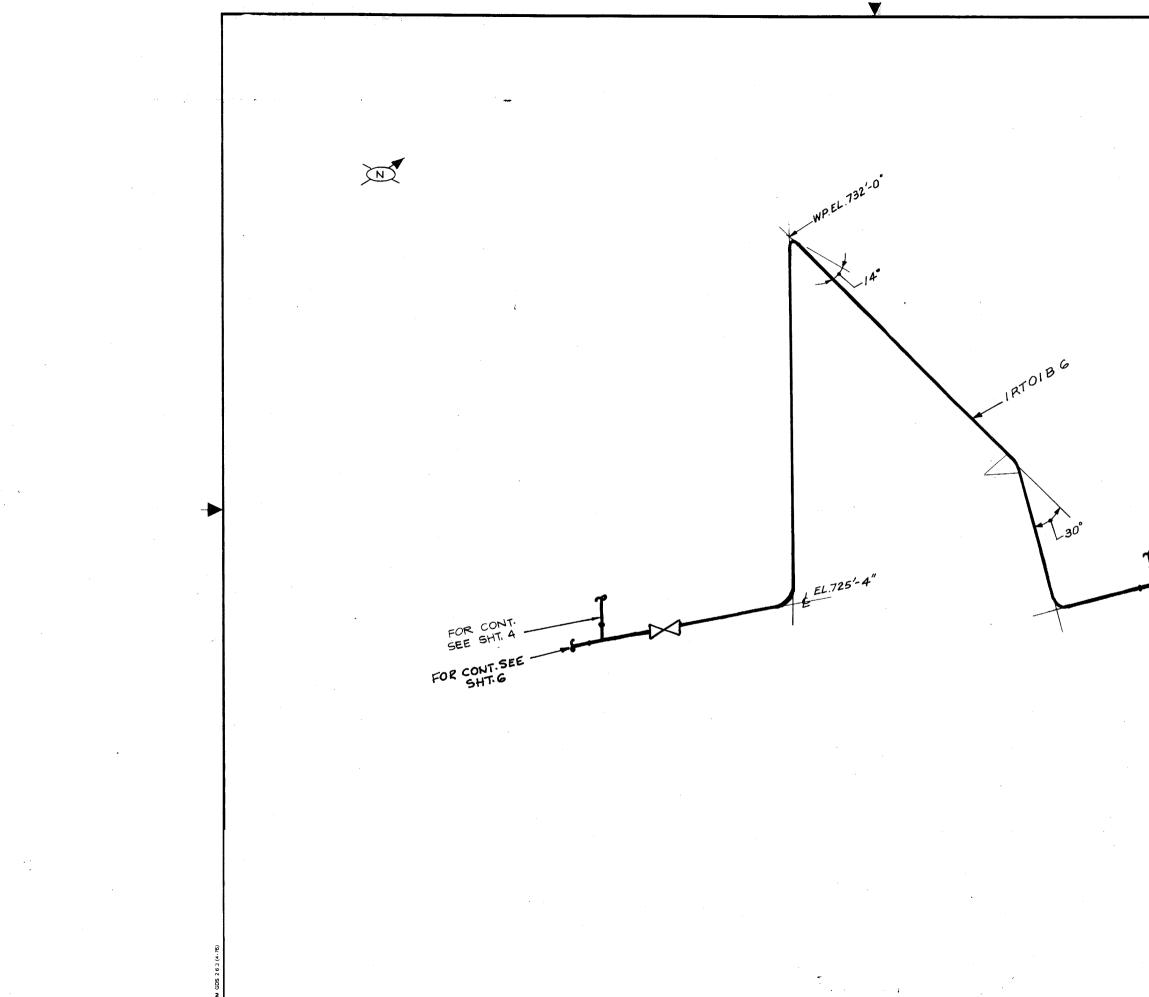
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

RT-C PIPE BREAK

(RT-R) PIPE RESTRAINT

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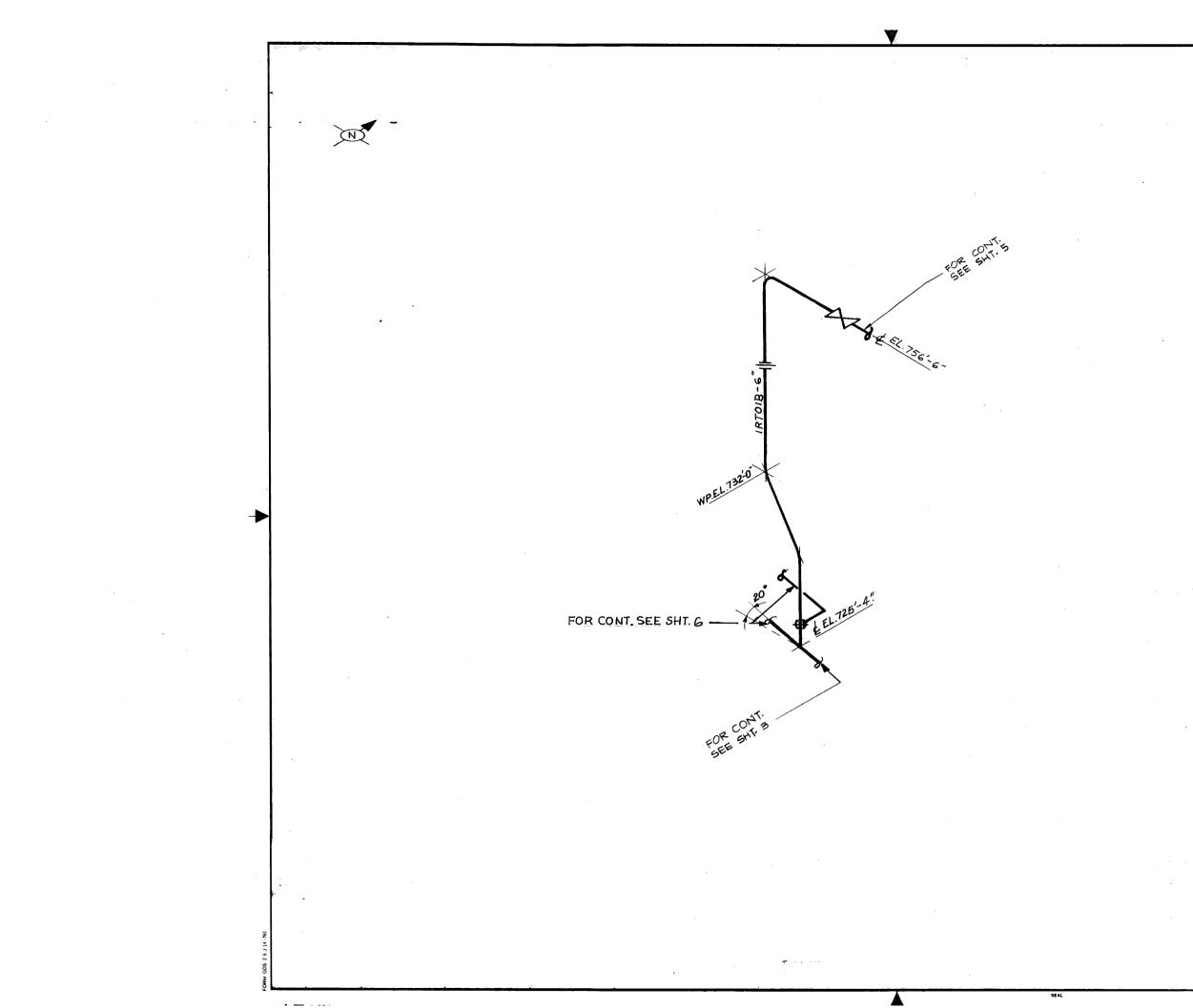
FIGURE B3.6-23 POSTULATED BREAKS AND RESTRAINT LOCATIONS RWCU SUBSYSTEM RT-01 INSIDE CONTAINMENT (SHEET 3 OF 6)

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT



RT-R PIPE RESTRAINT

SEE 4EL. 732'-0"



UPDATED SAFETY ANALYSIS REPORT FIGURE B3.6-23 POSTULATED BREAKS AND RESTRAINT LOCATIONS RWCU SUBSYTEM RT-01 INSIDE CONTAINMENT (SHEET 4 OF 6)

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

RI-C PIPE BREAK

(RI-R) PIPE RESTRAINT

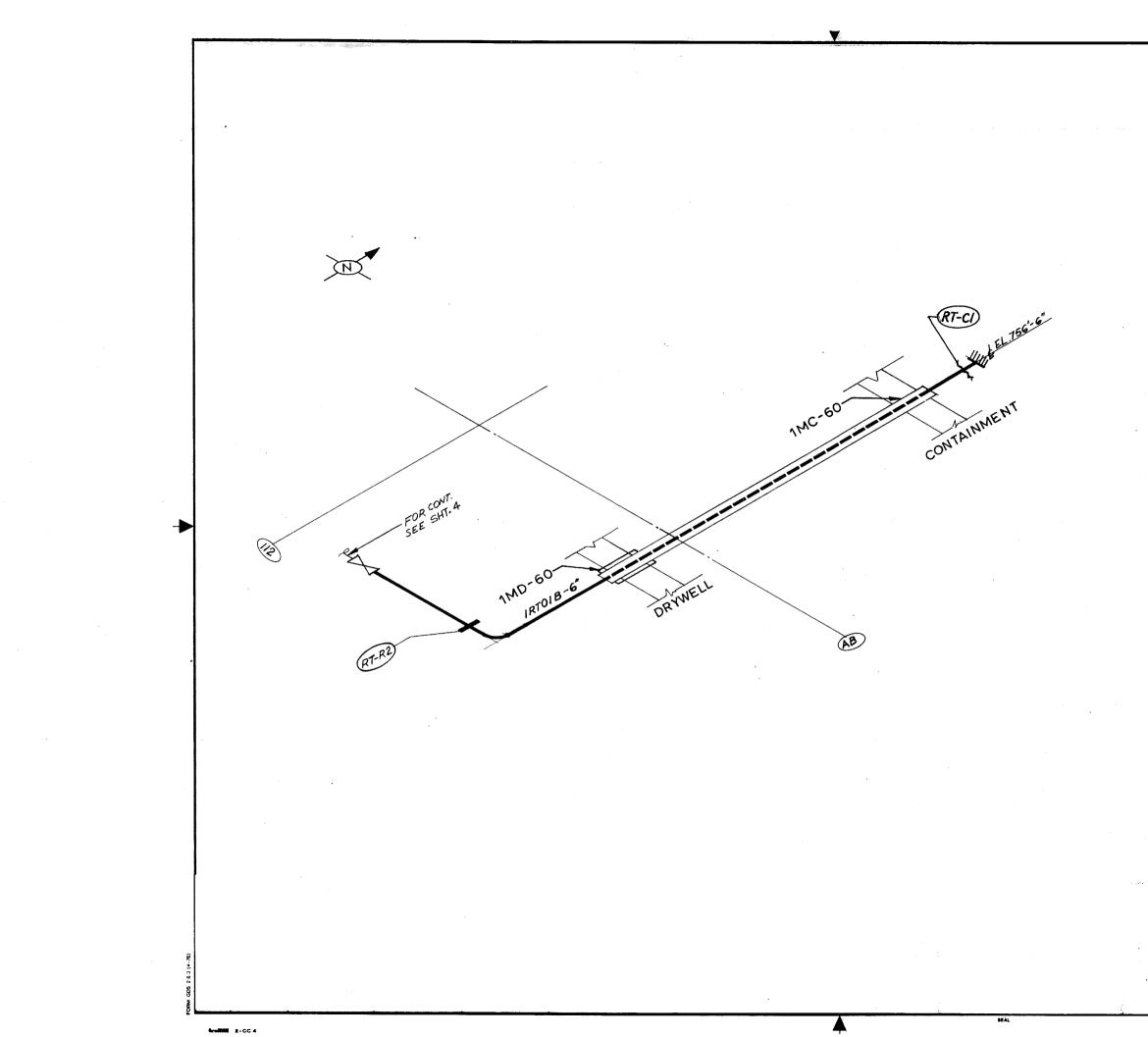
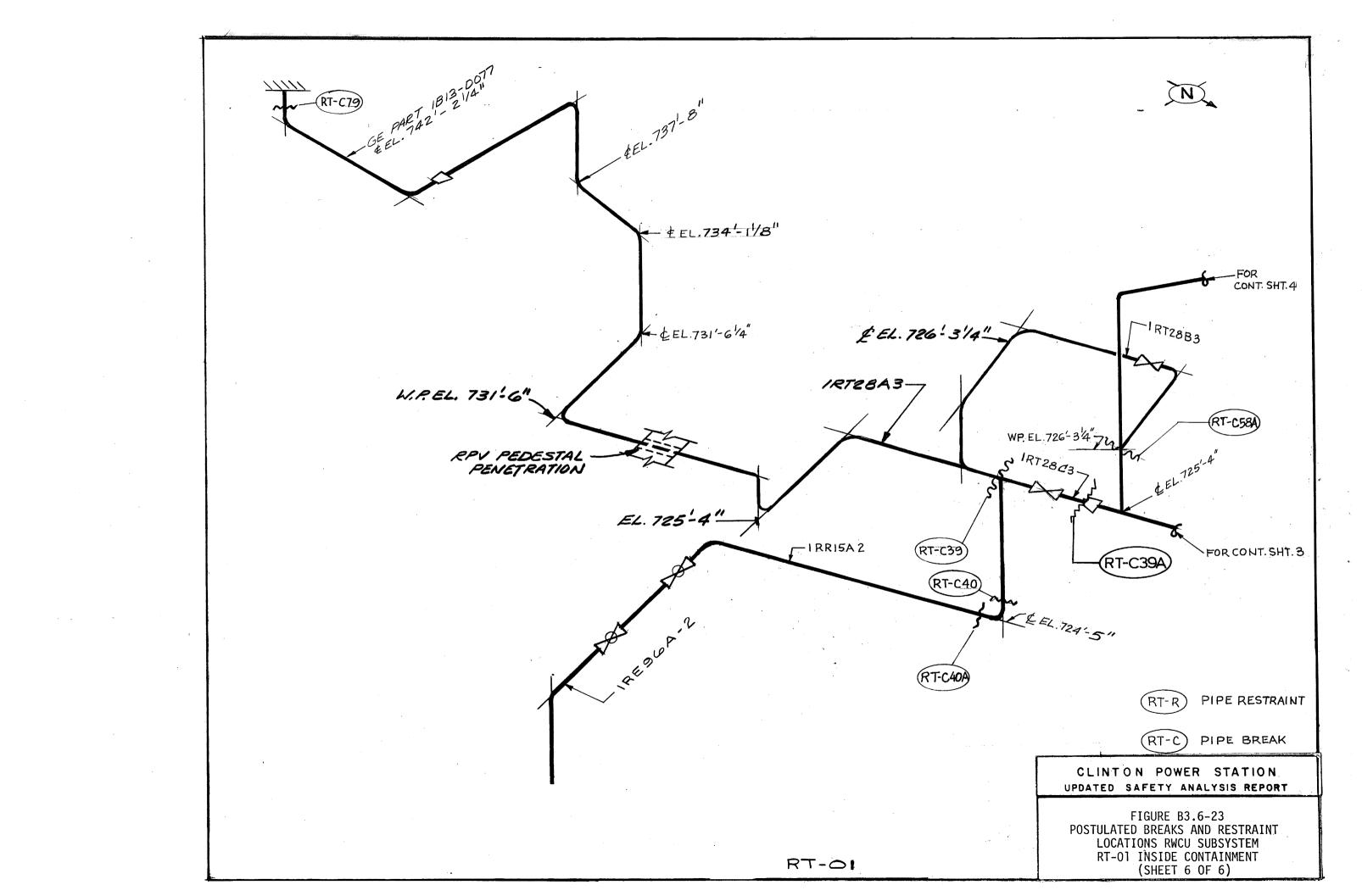


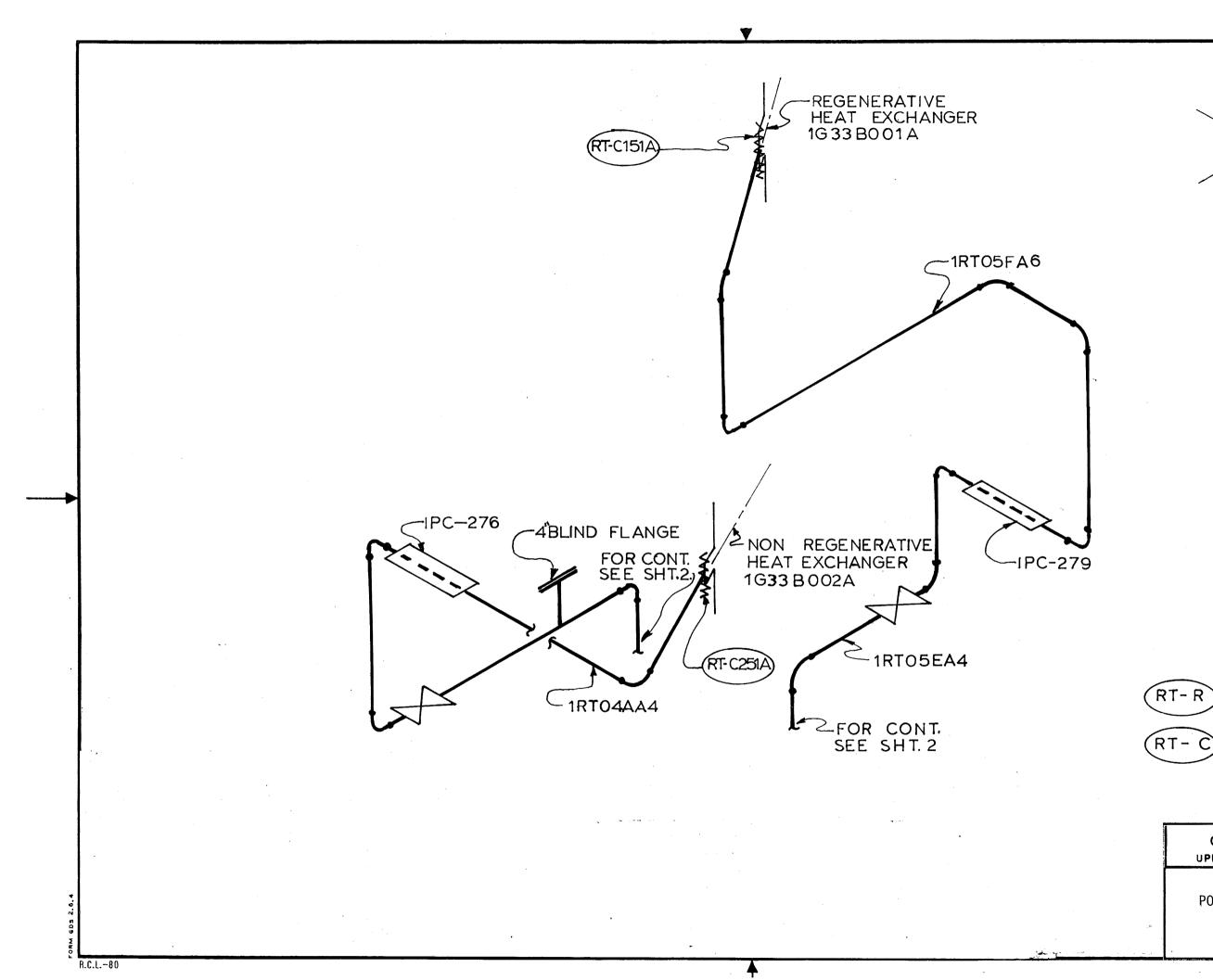
FIGURE B3.6-23 POSTULATED BREAKS AND RESTRAINT LOCATIONS RWCU SUBSYTEM RT-01 INSIDE CONTAINMENT (SHEET 5 OF 6)

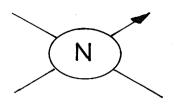
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT







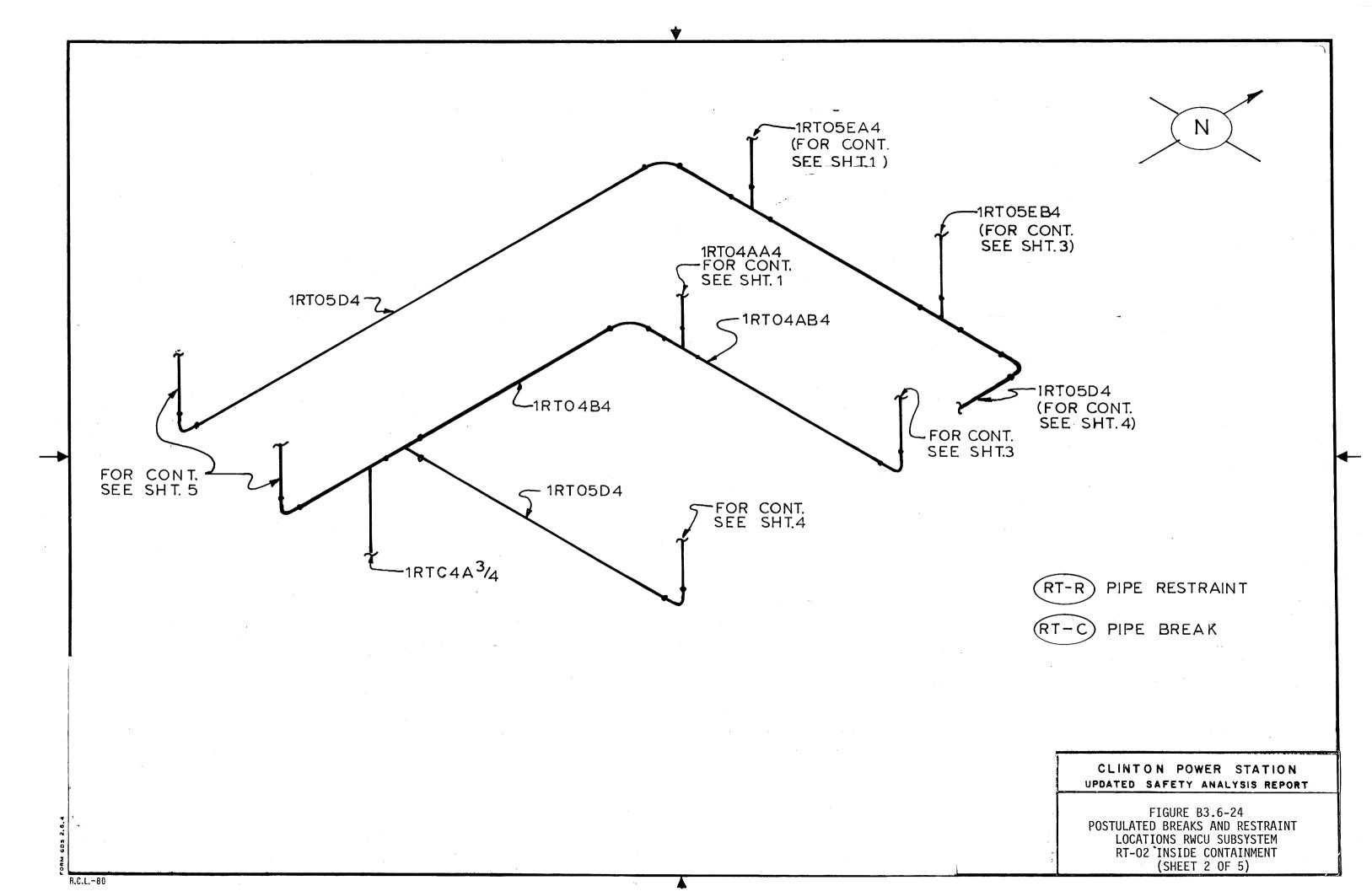


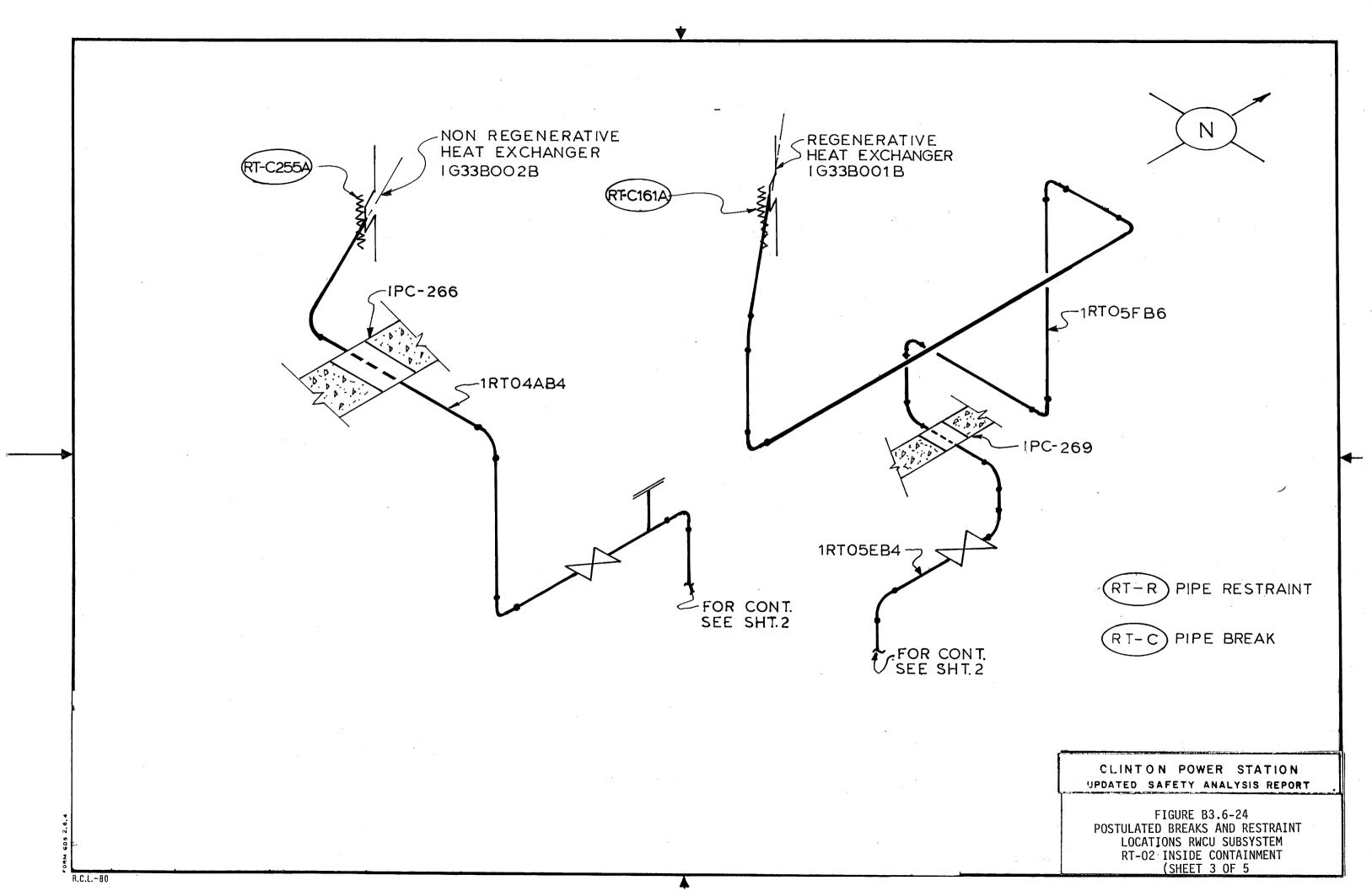


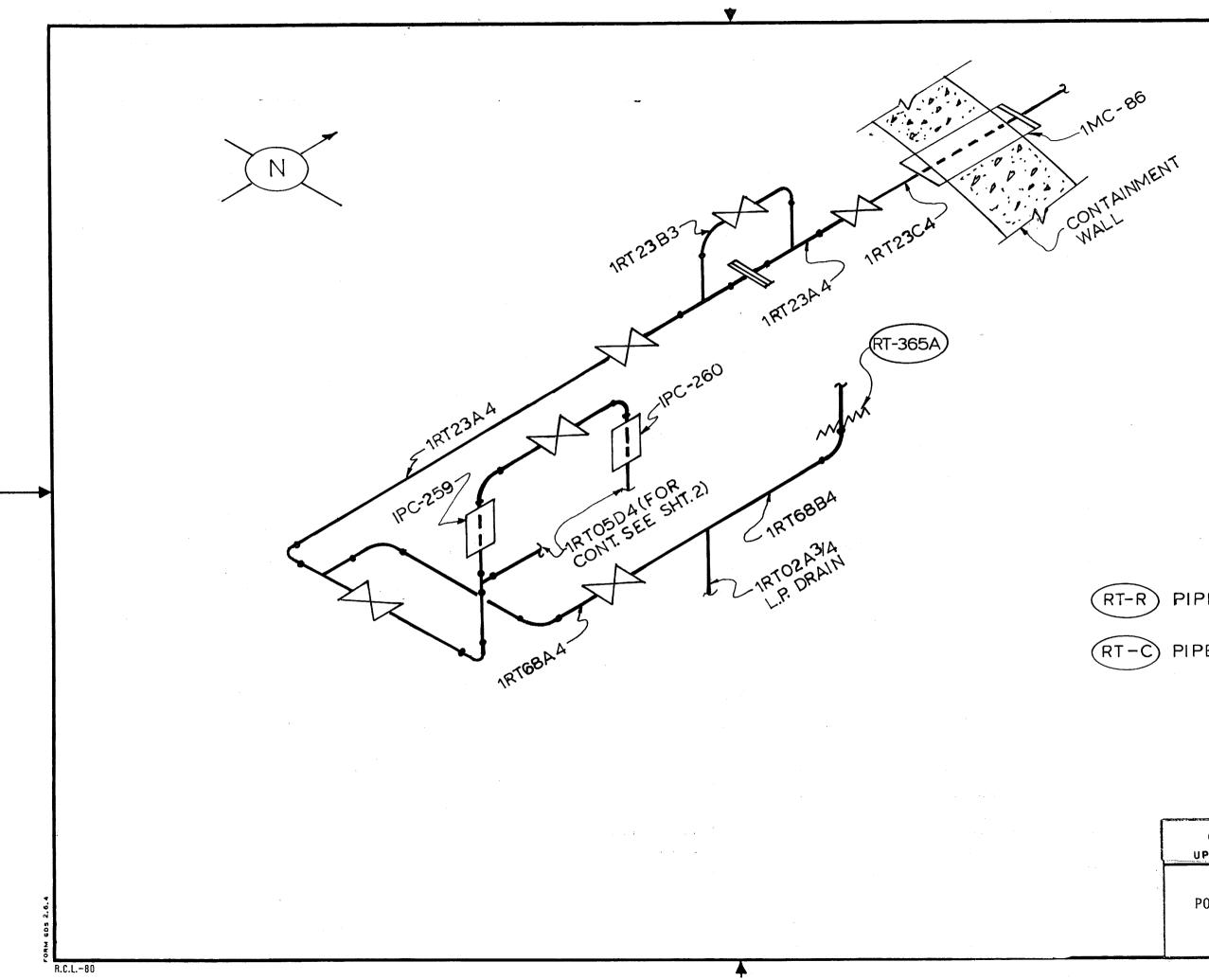
PIPE RESTRAINT

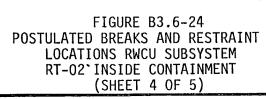
PIPE BREAK

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



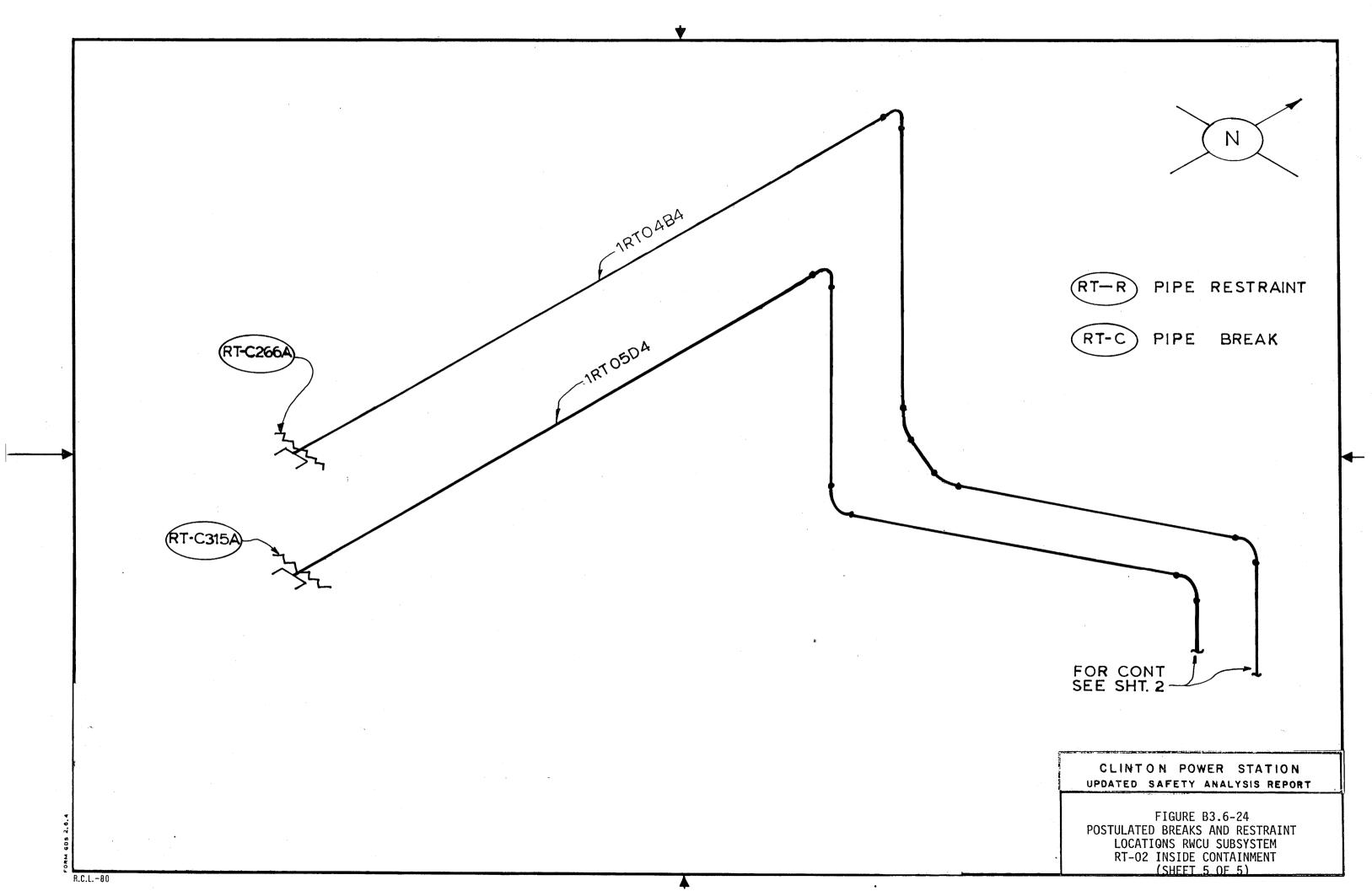


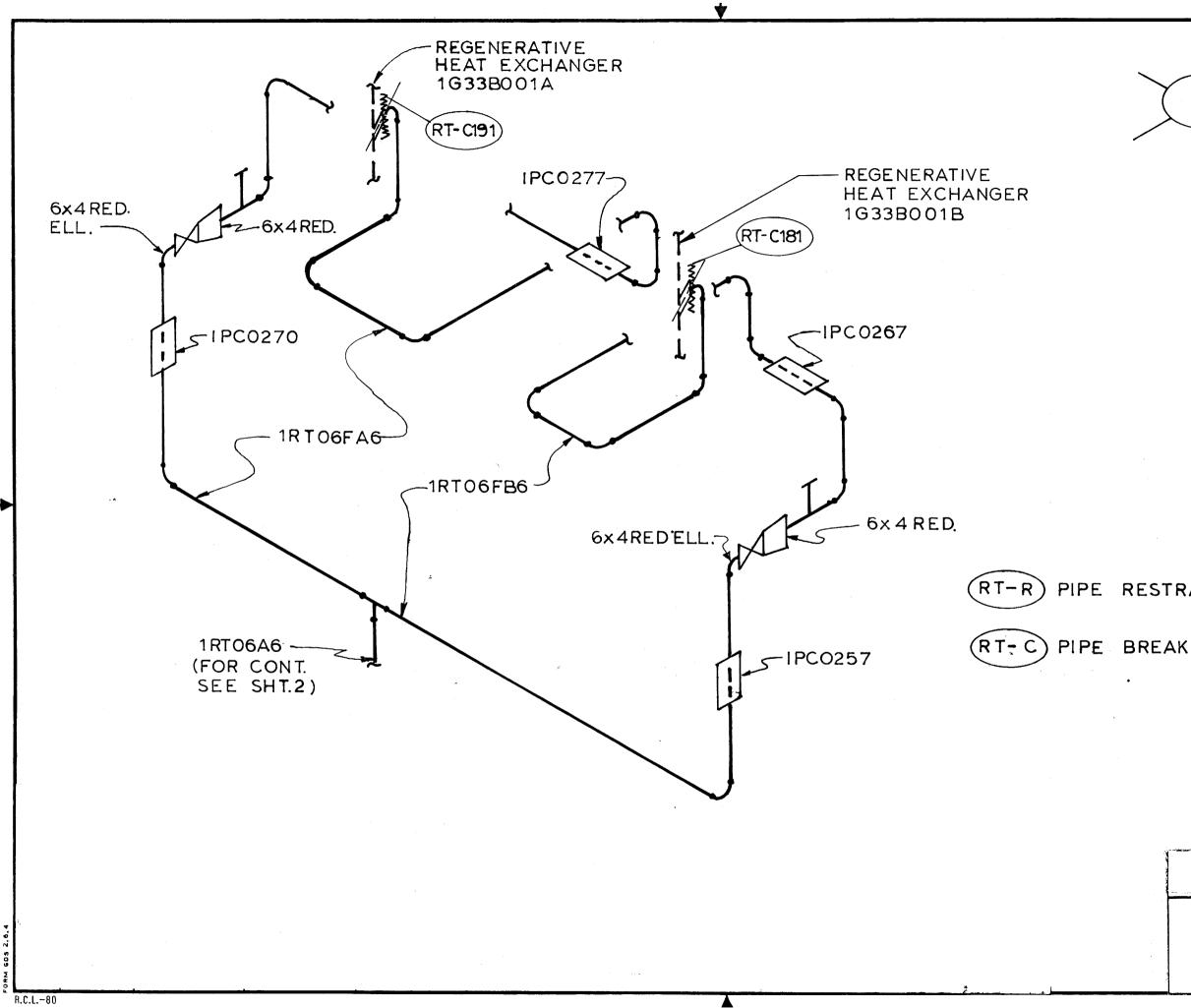


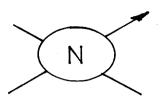


PIPE BREAK (RT-C)

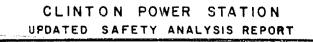
PIPE RESTRAINT RT-R





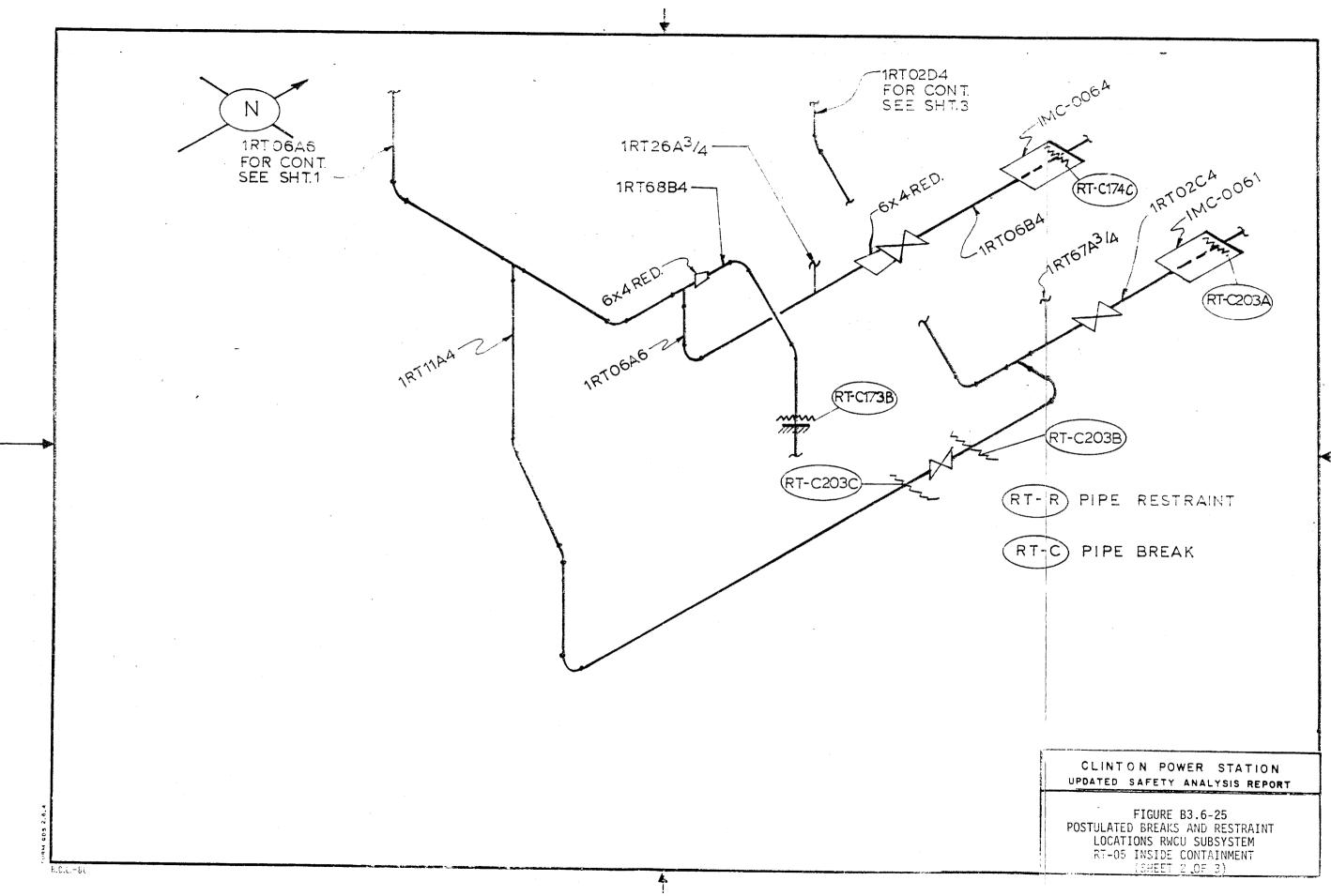


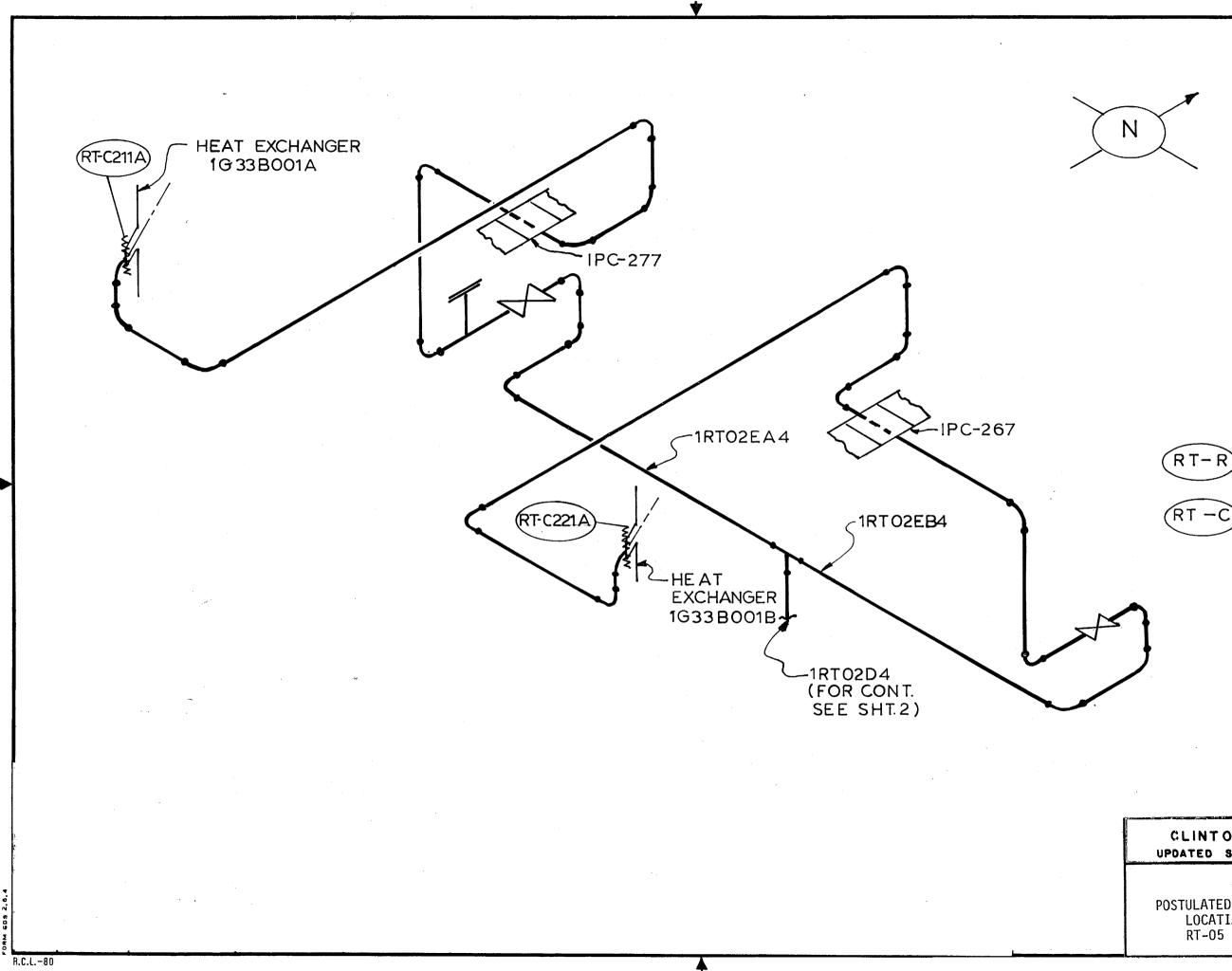
PIPE RESTRAINT



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





C) PIPE BREAK

PIPE RESTRAINT

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

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

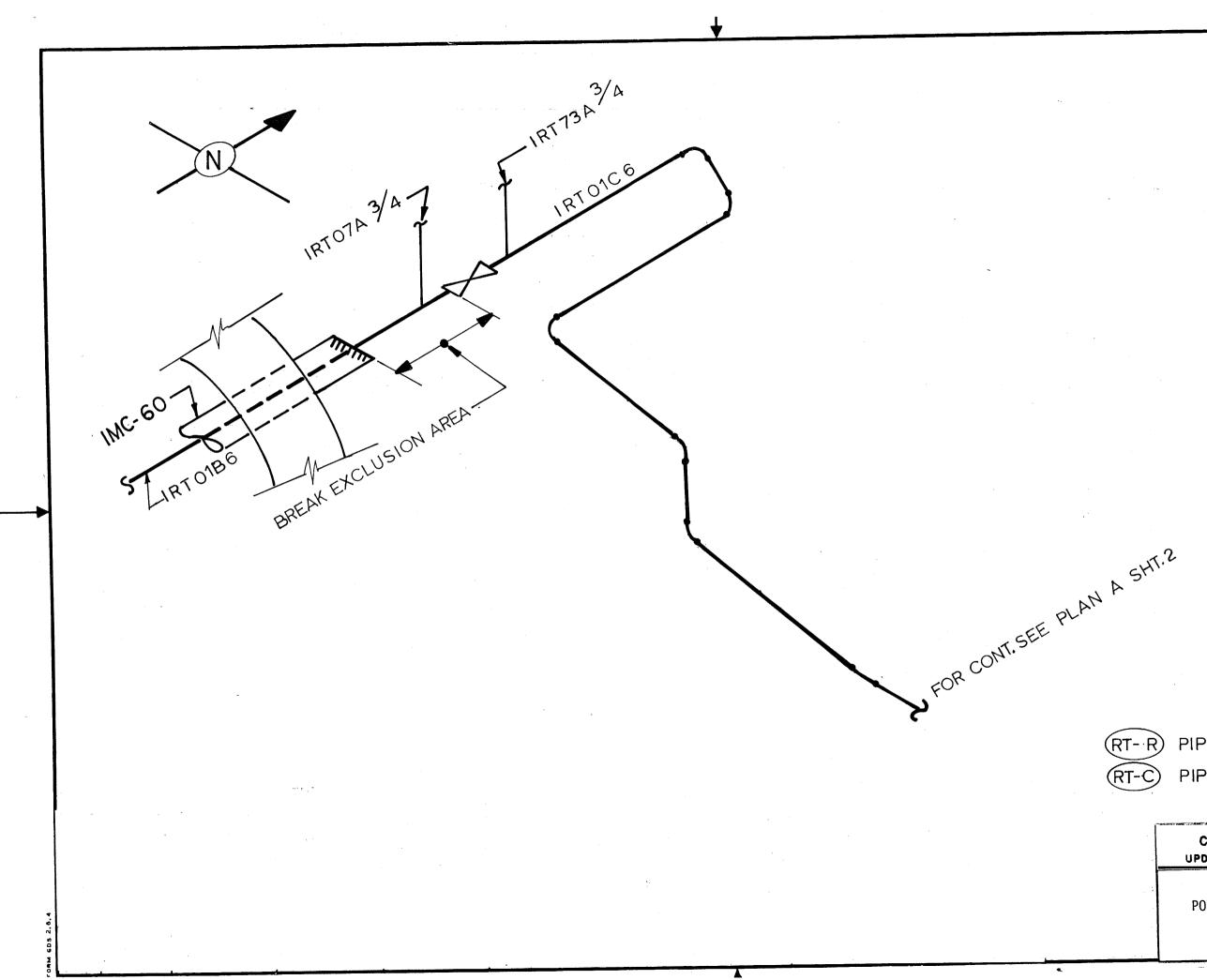
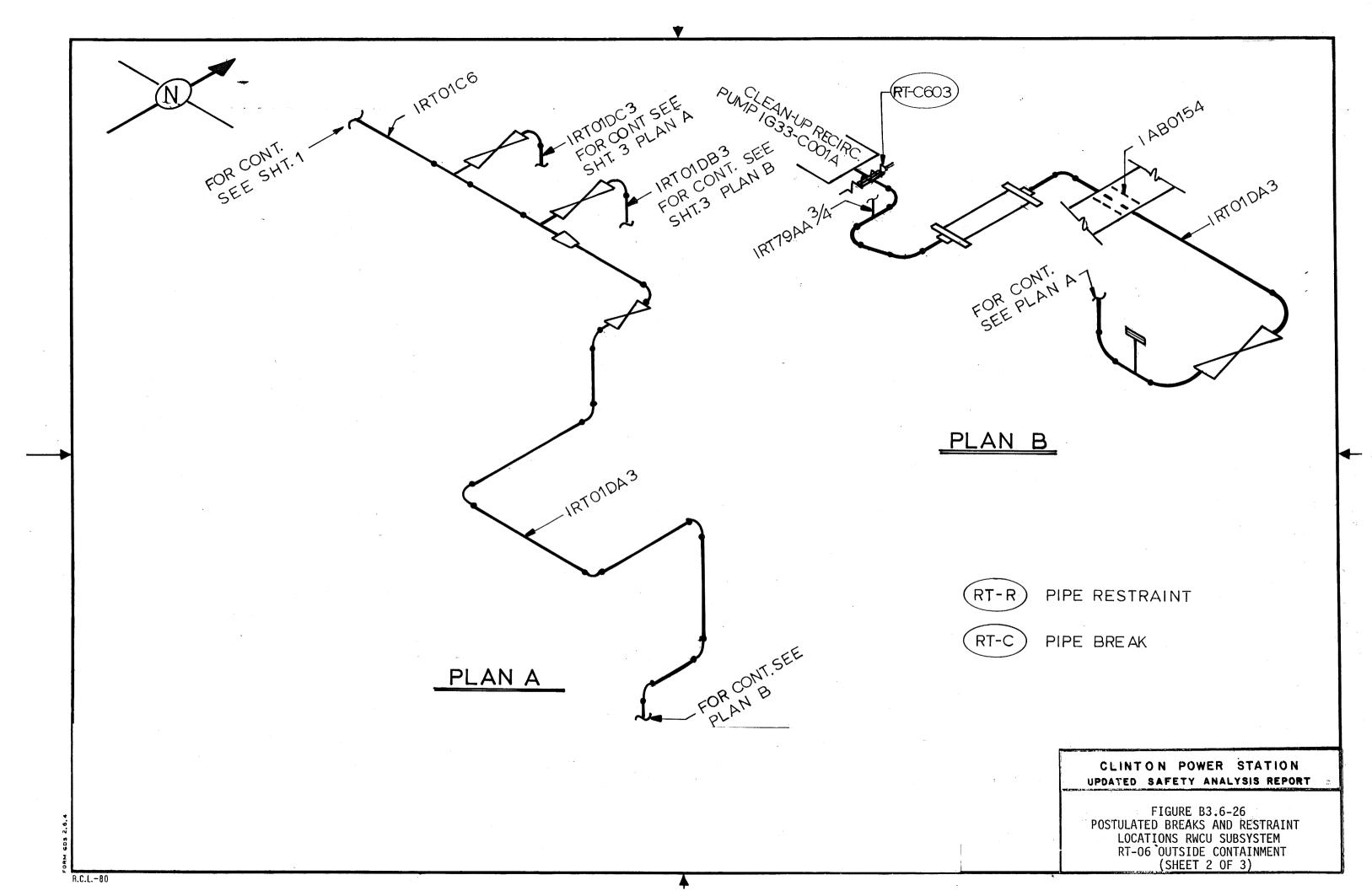


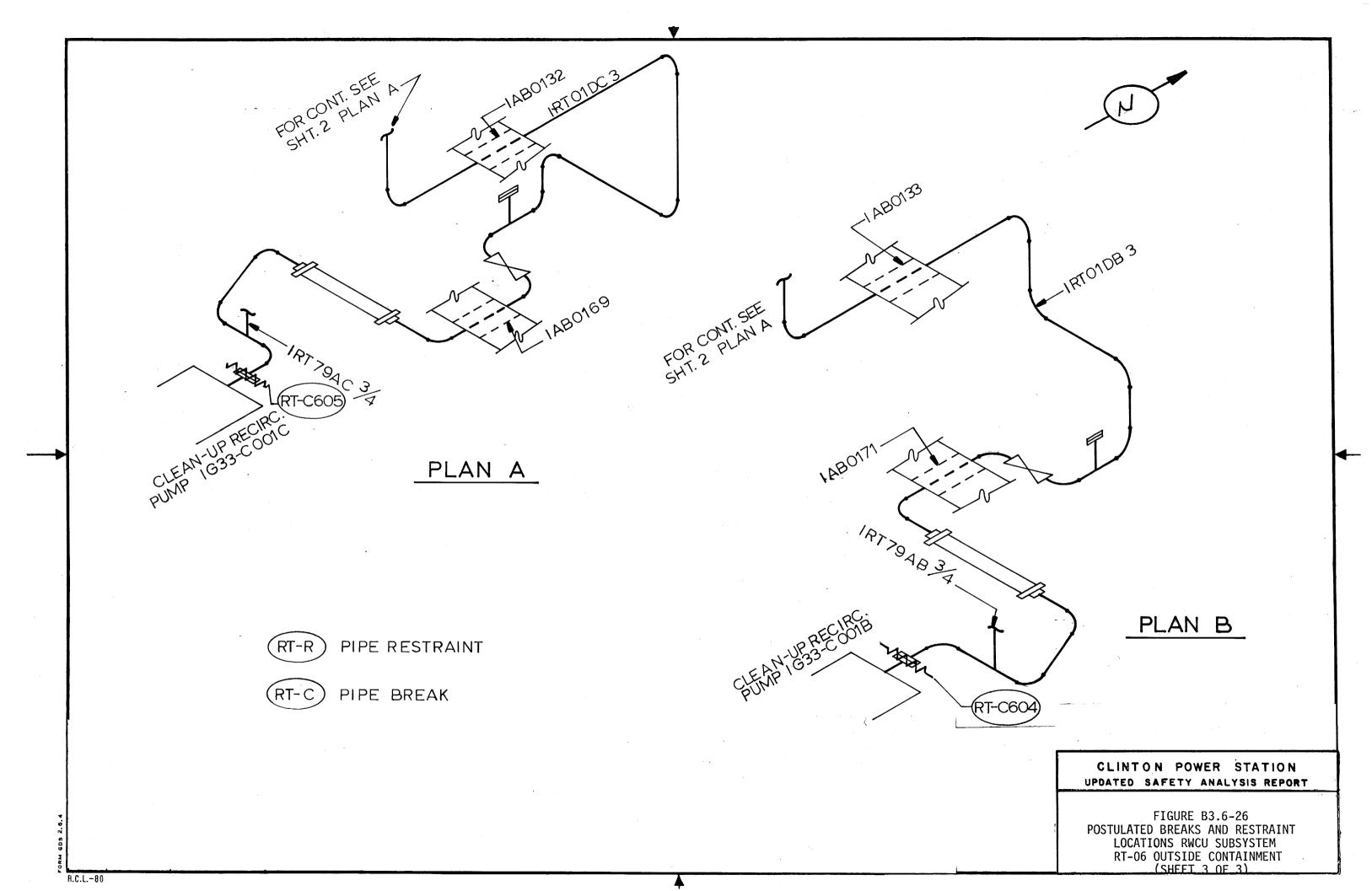
FIGURE B3.6-26 POSTULATED BREAKS AND RESTRAINT LOCATIONS RWCU SUBSYSTEM RT-06 OUTSIDE CONTAINMENT (SHEET 1 OF 3)

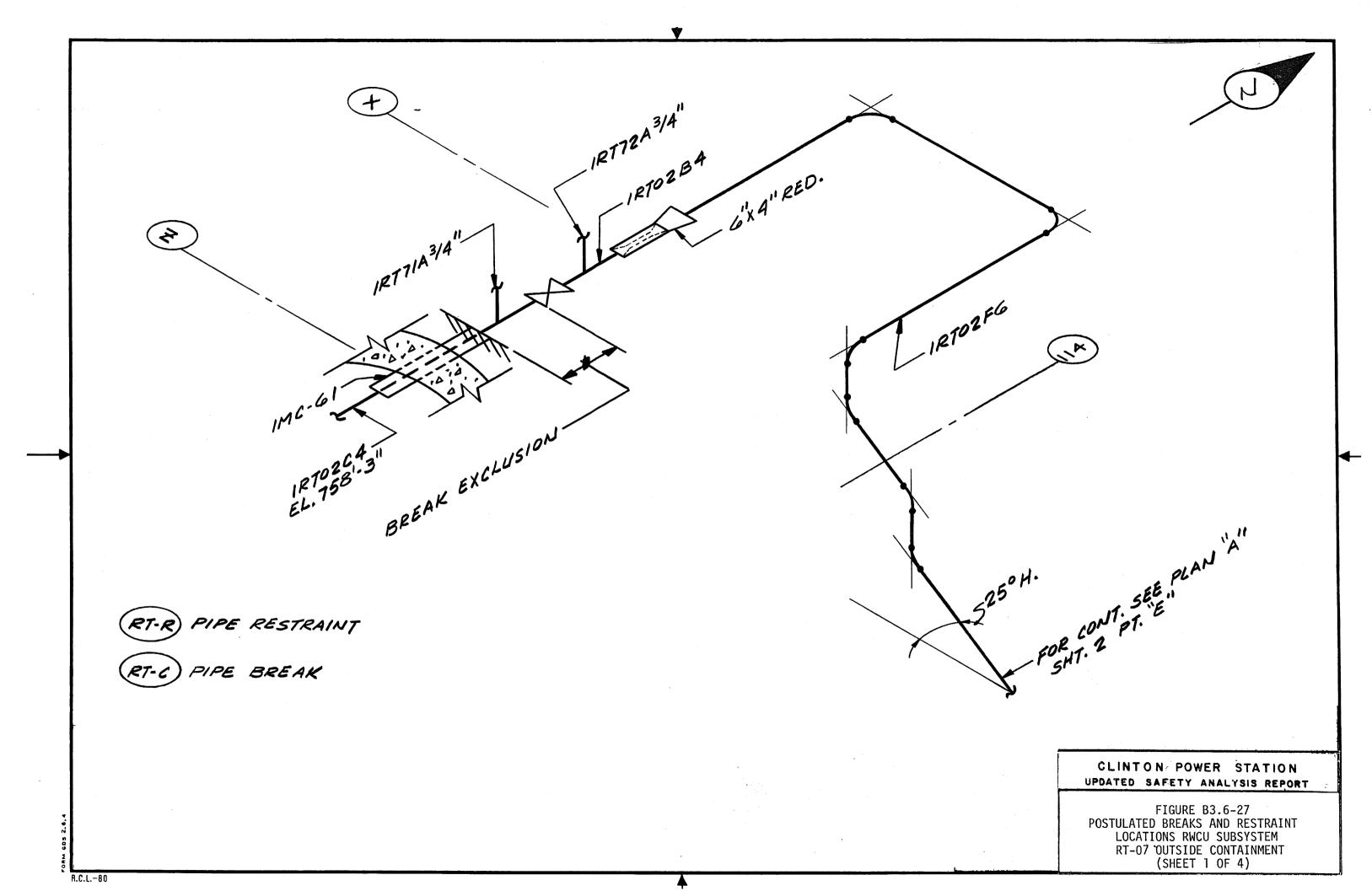
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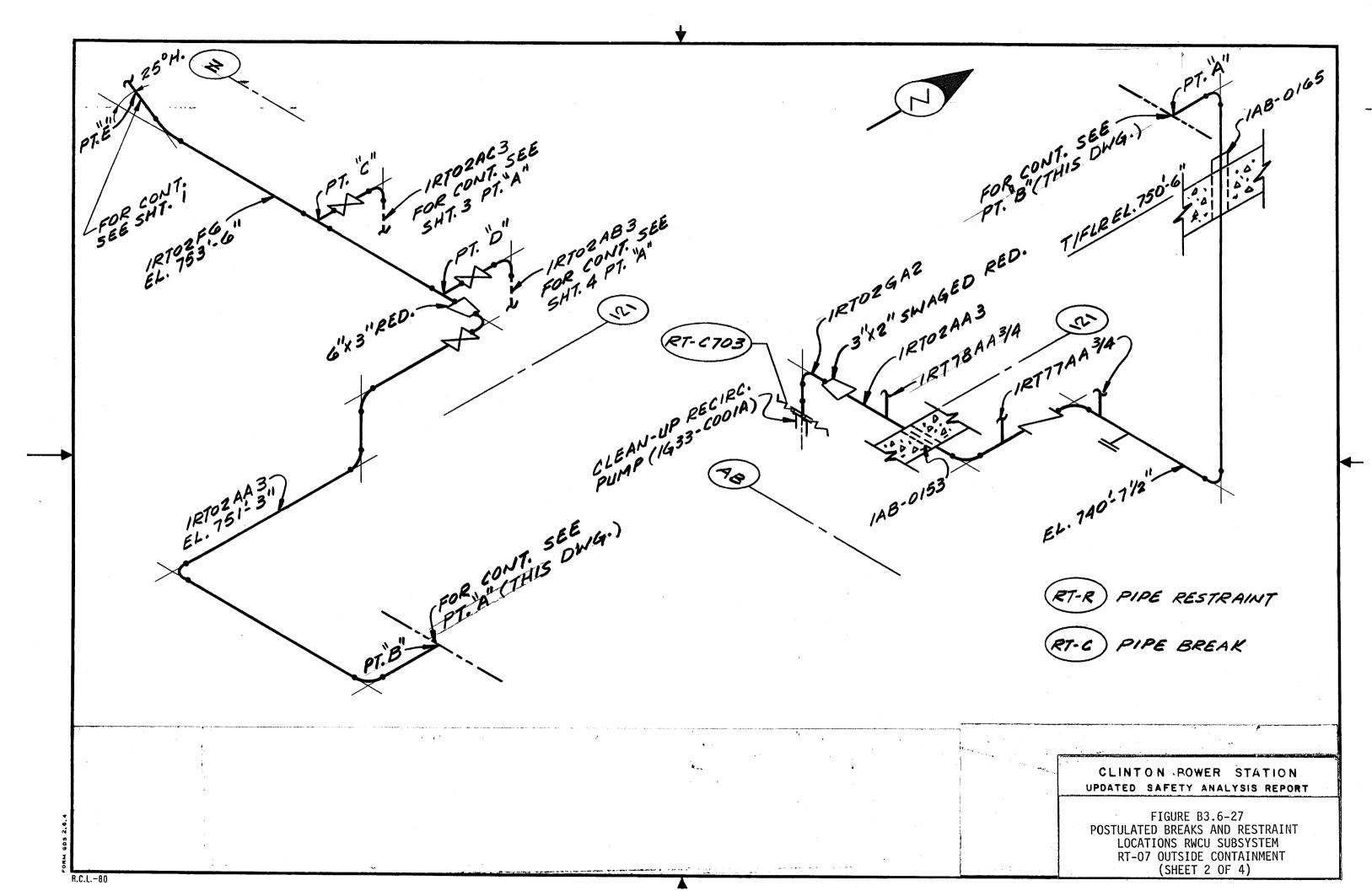


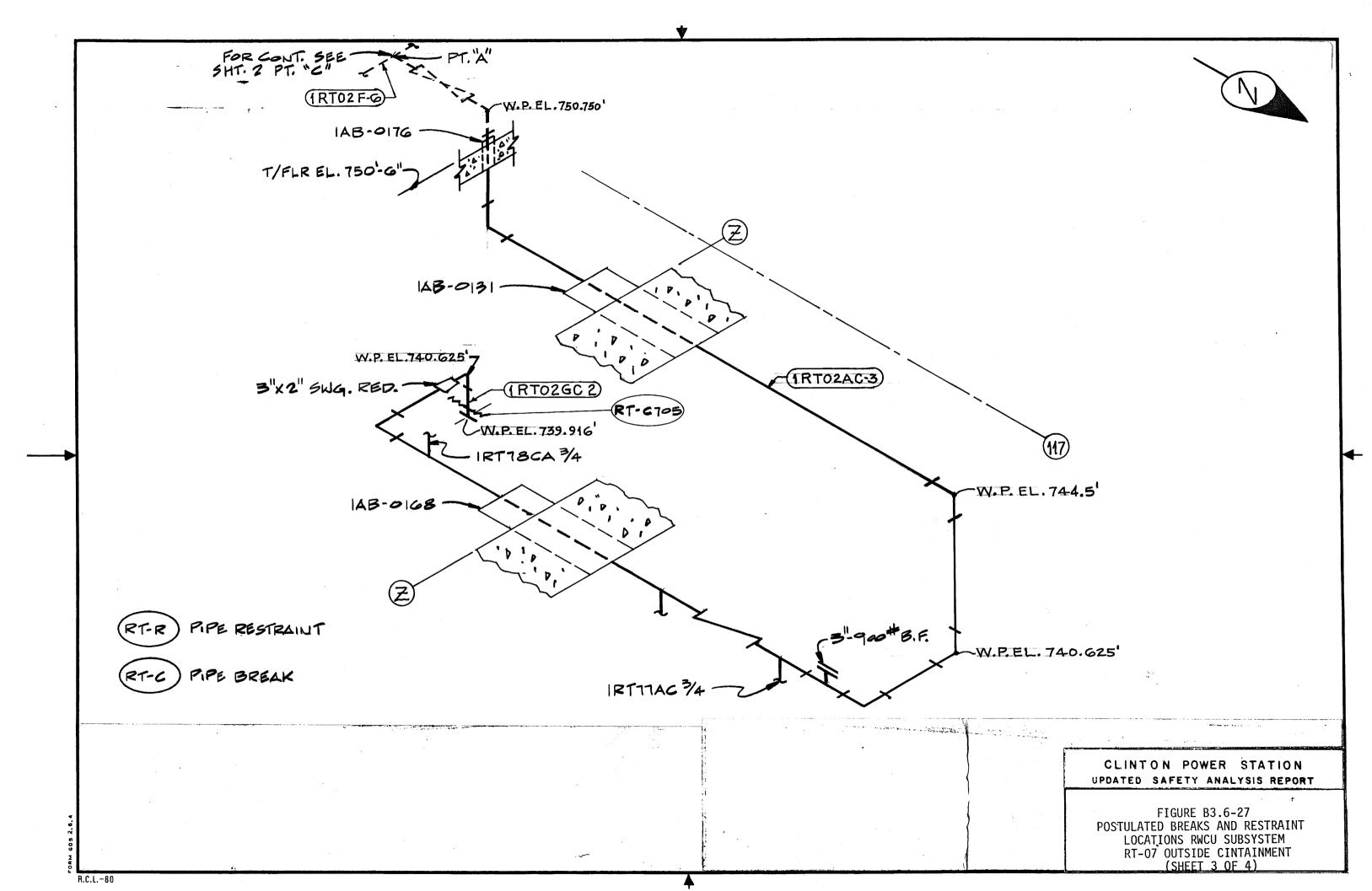
PIPE RESTRAINT PIPE BREAK

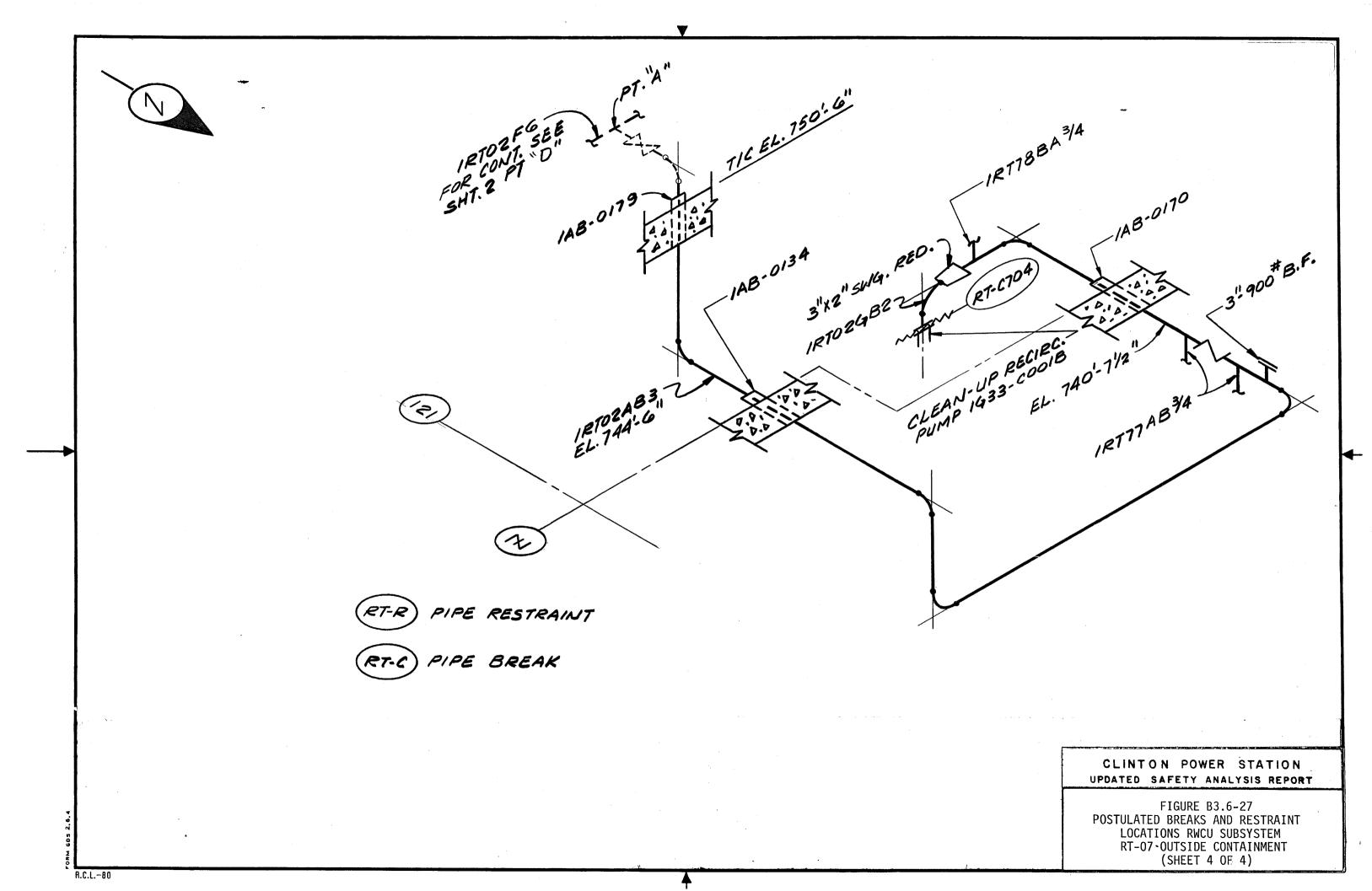


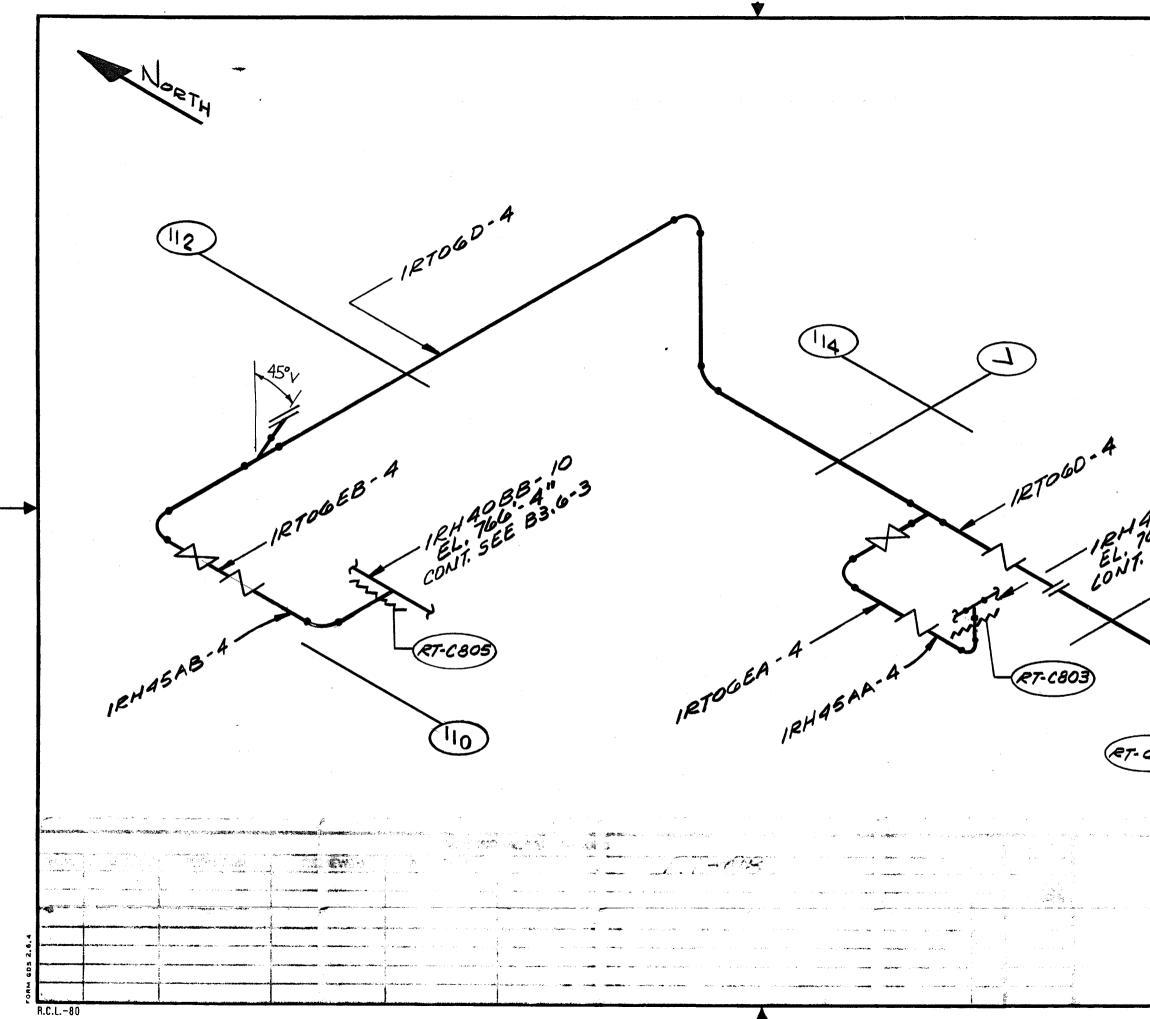




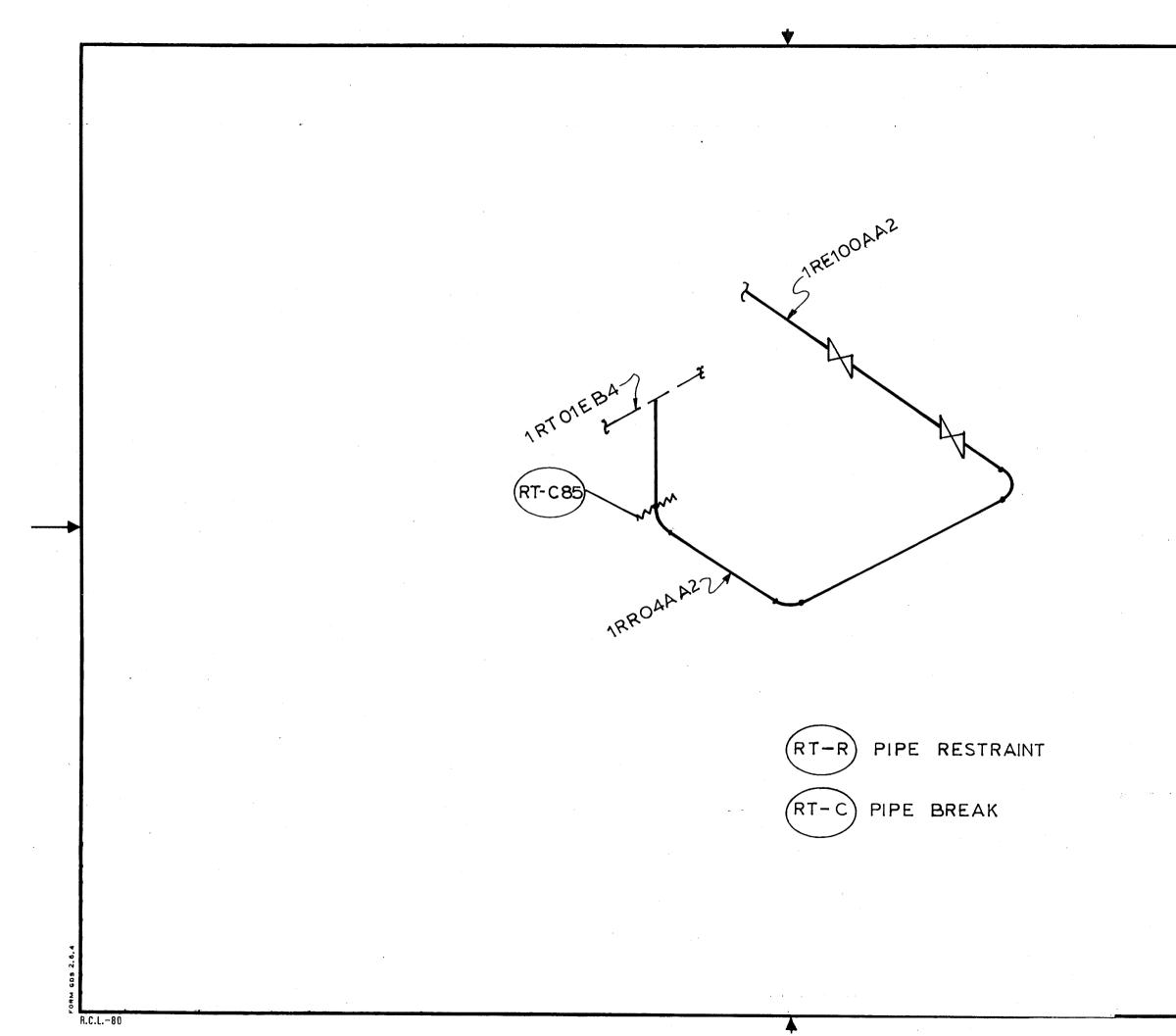


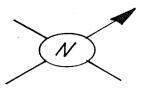






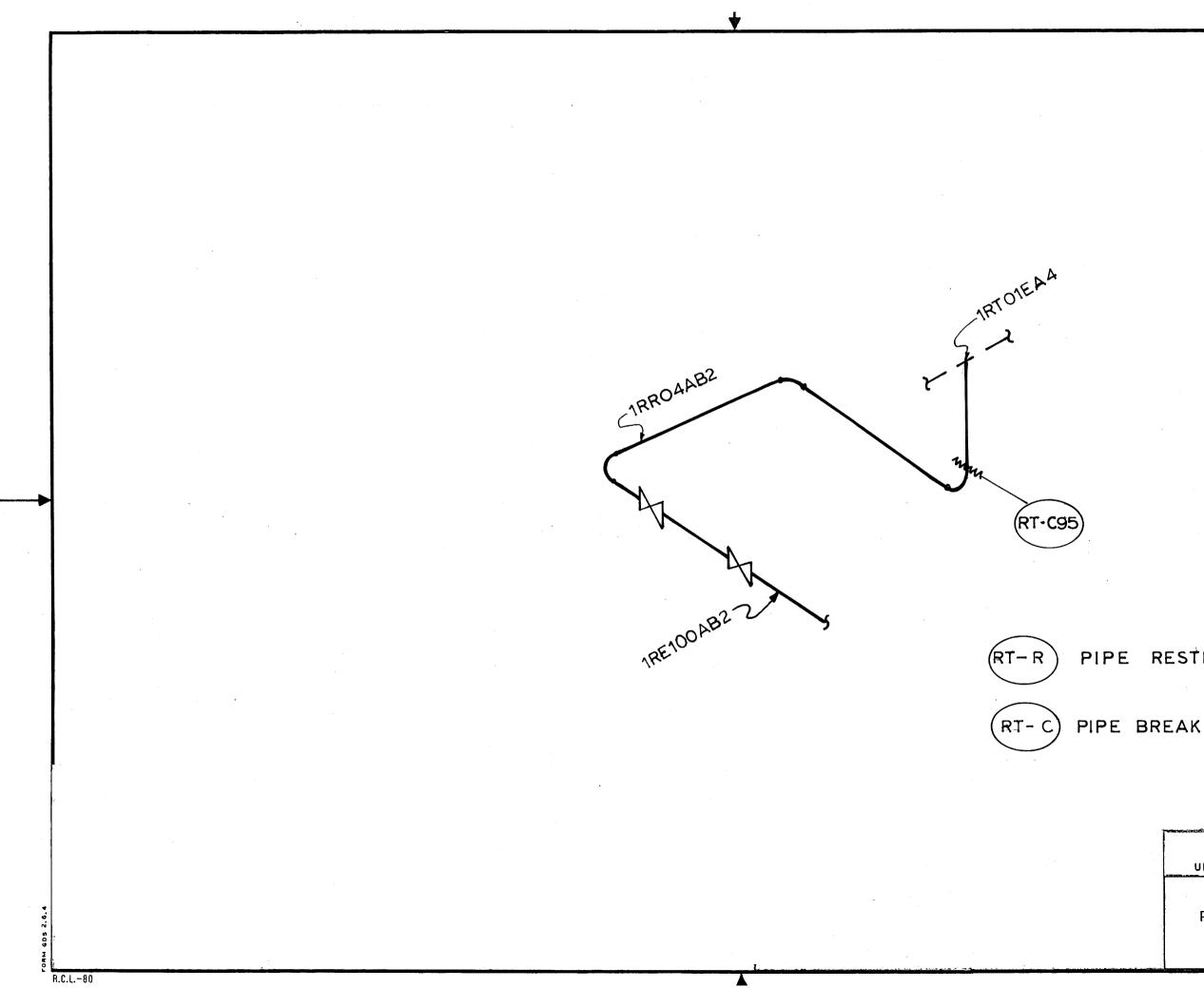
REV. 5 PIPE BREAK *B3.6-3 3/4 RTTOA. , 3/4 MCG CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT FIGURE B3.6-28 POSTULATED BREAKS AND RESTRAINT LOCATIONS RWCU SUBSYSTEM RT-08 OUTSIDE CONTAINMENT 1-

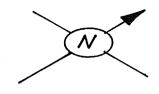




CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

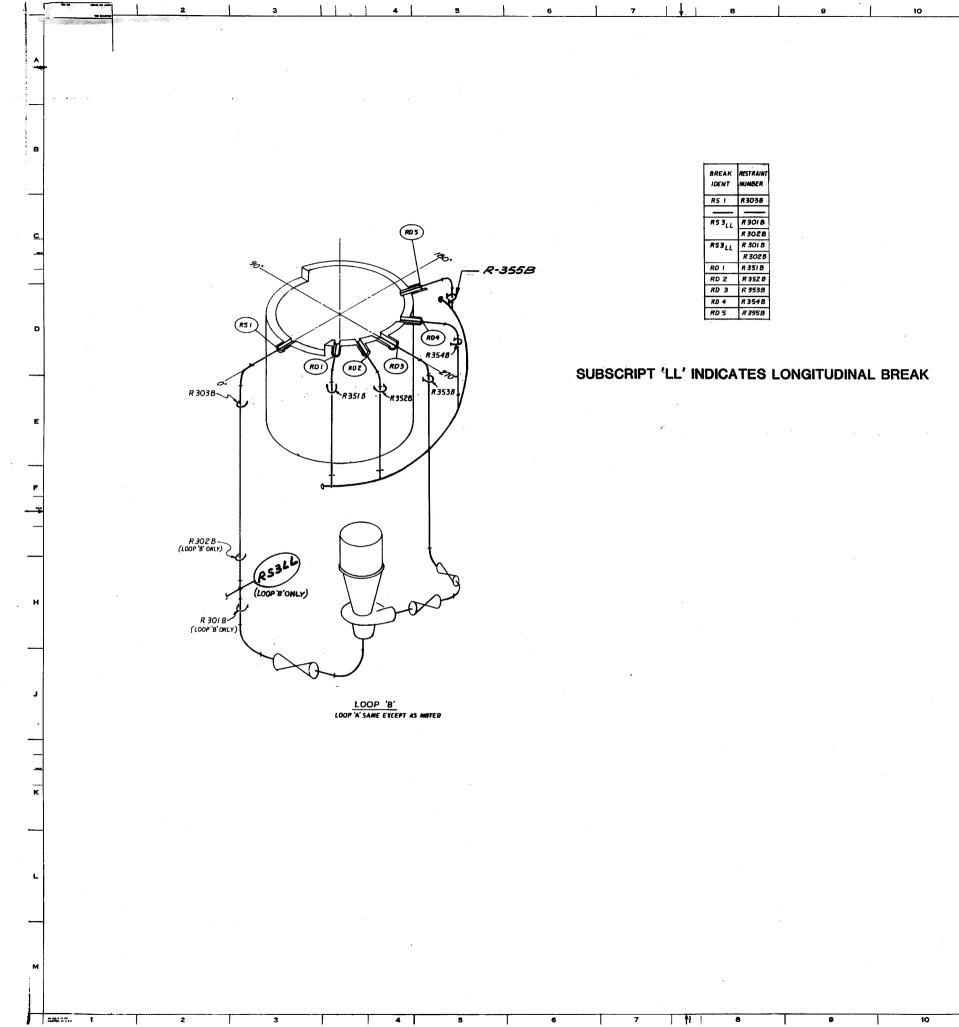
FIGURE B3.6-29 POSTULATED BREAKS AND RESTRAINT LOCATIONS RWCU DRAIN SUBSYSTEM RR-32 INSIDE CONTAINMENT



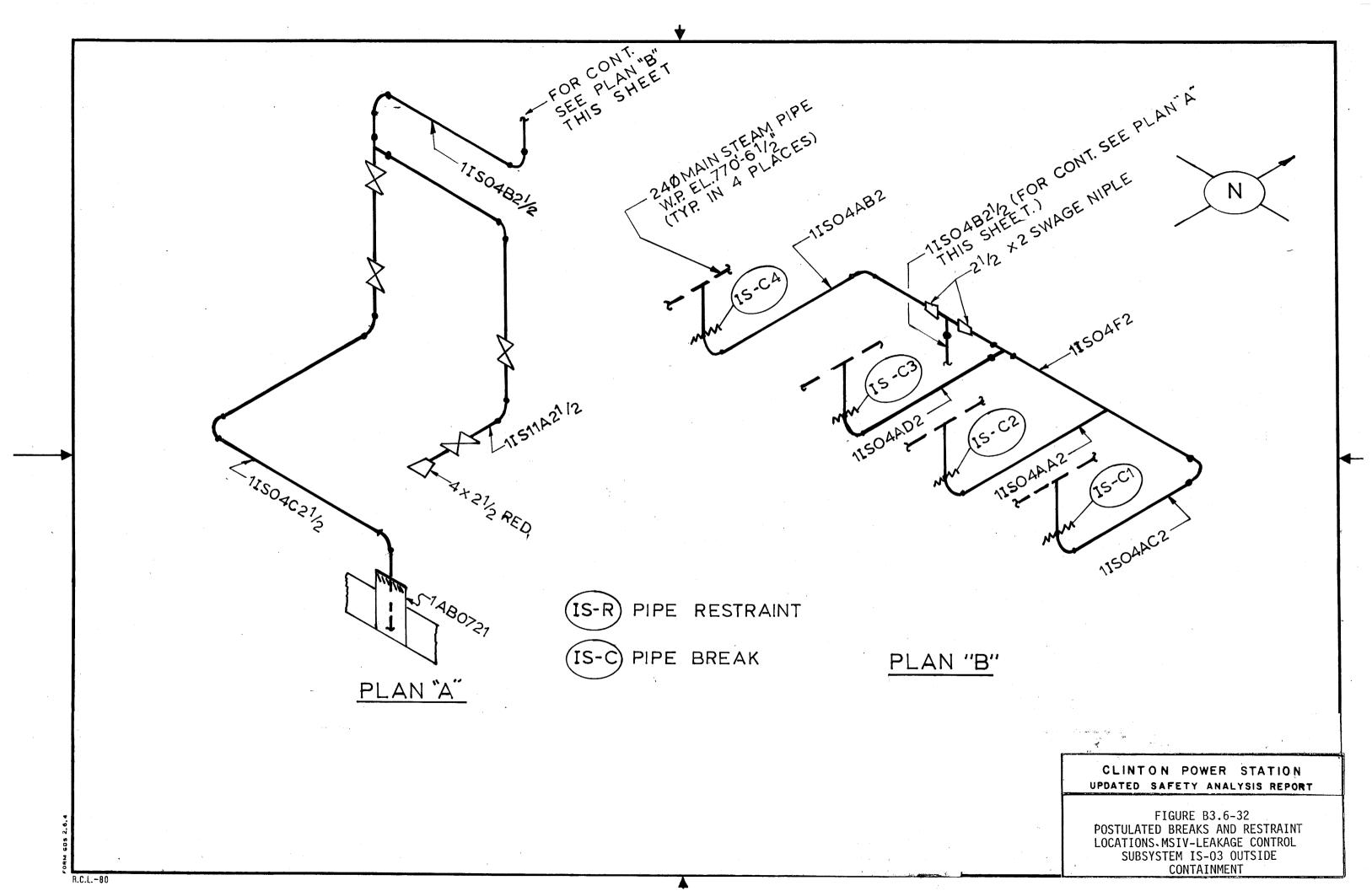


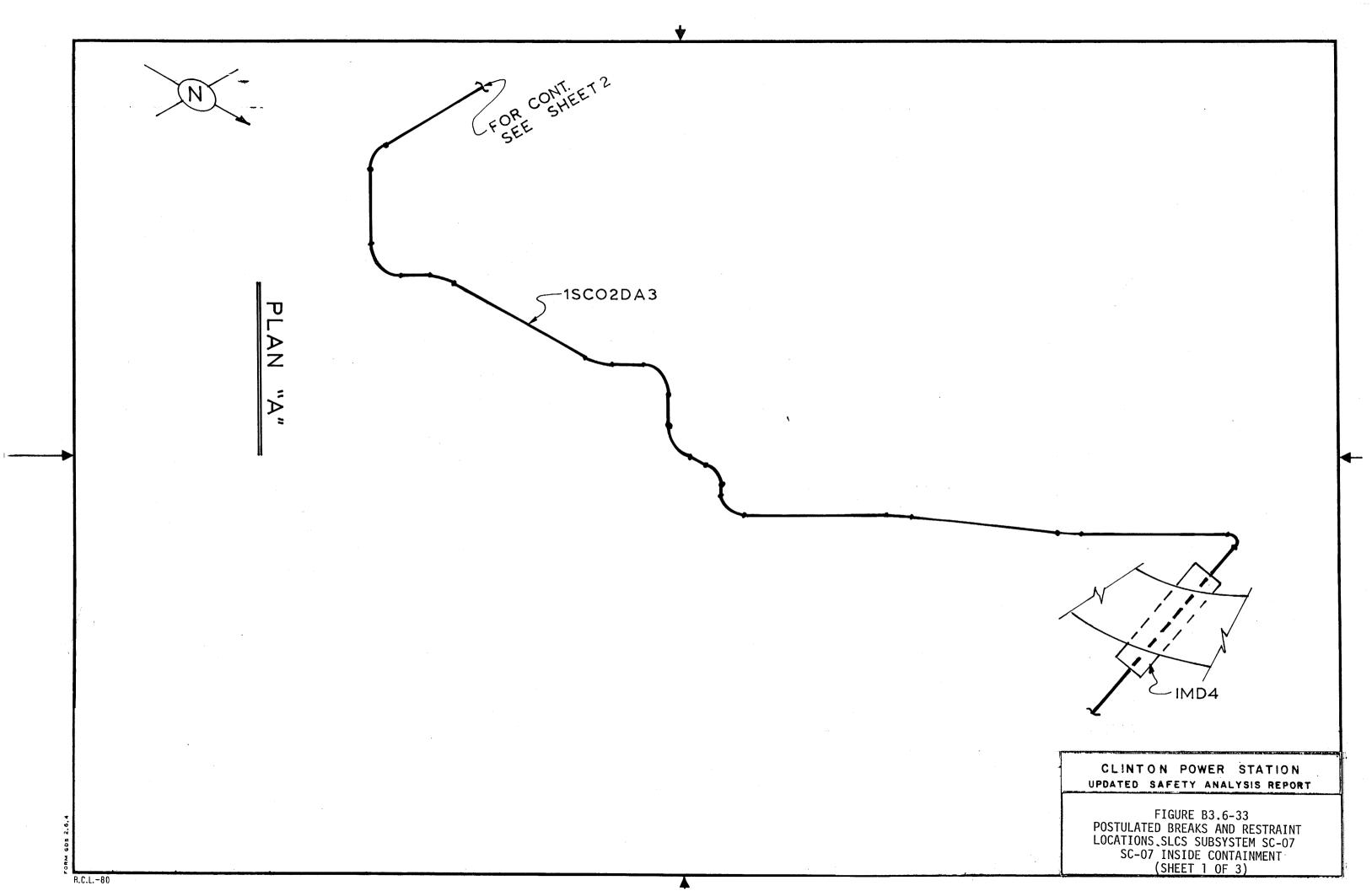
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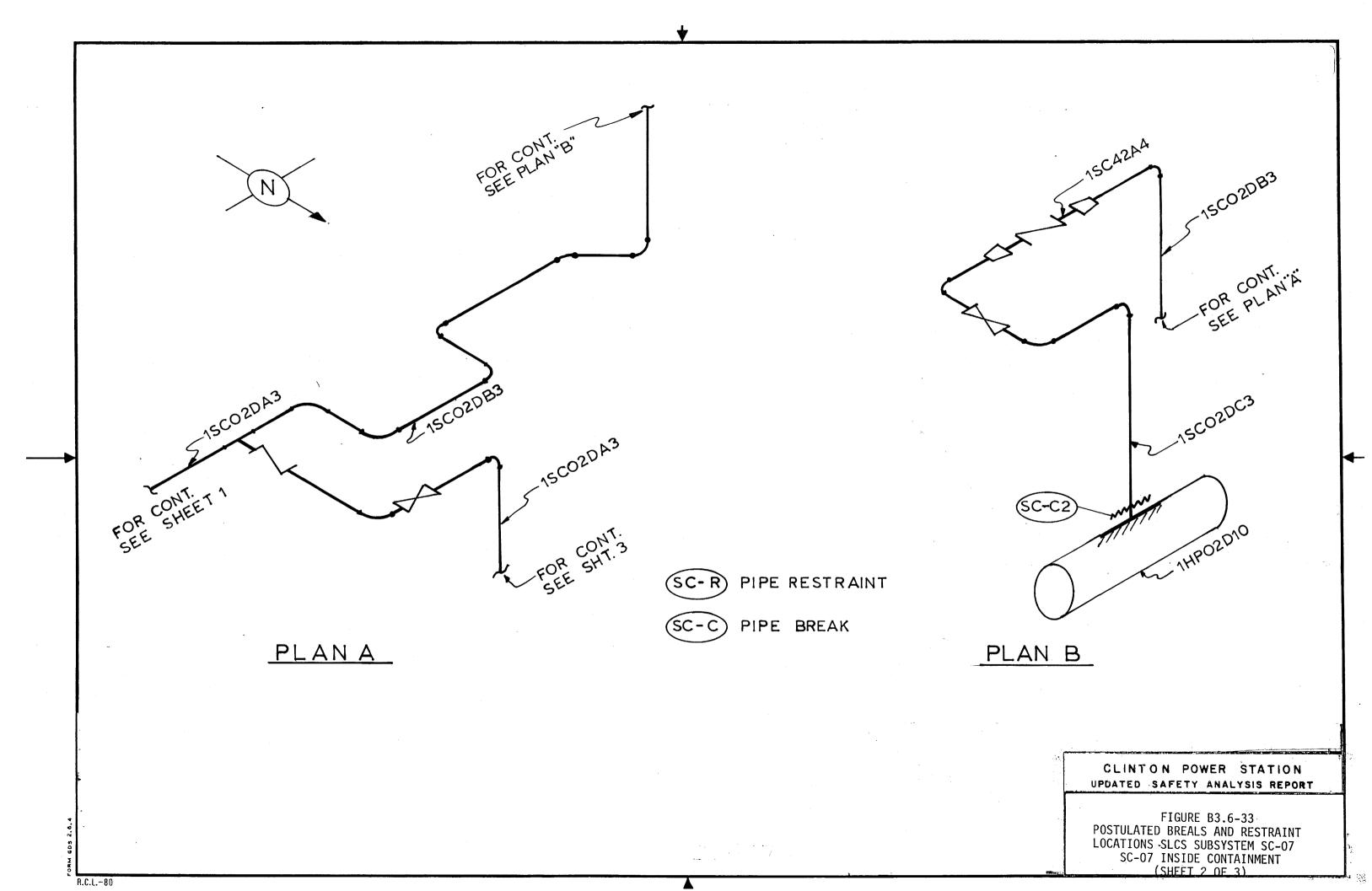
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT FIGURE B3.6-30 POSTULATED BREAKS AND RESTRAINT LOCATIONS RWCU DRAIN SUBSYSTEM RR-33 INSIDE CONTAINMENT

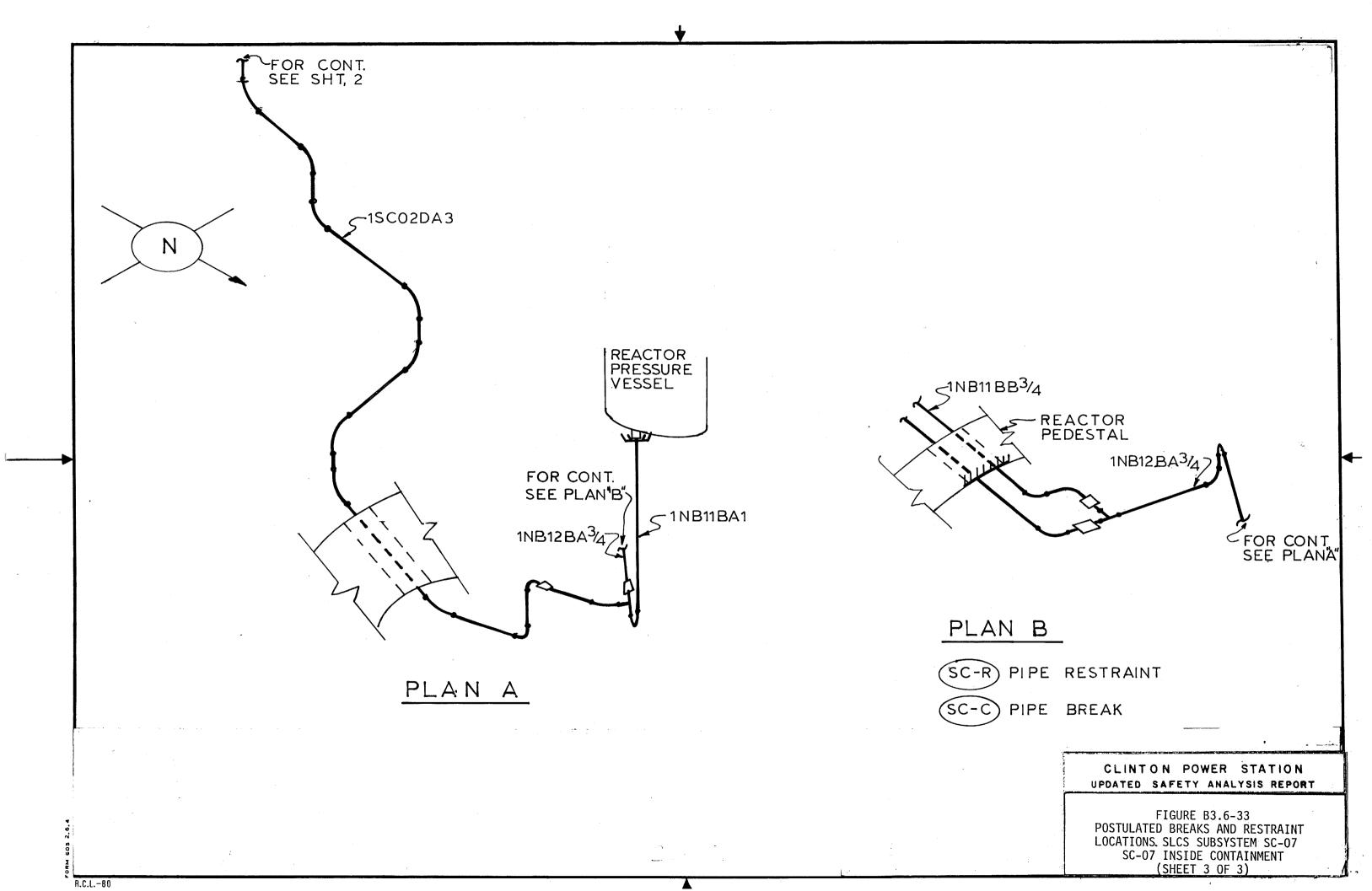


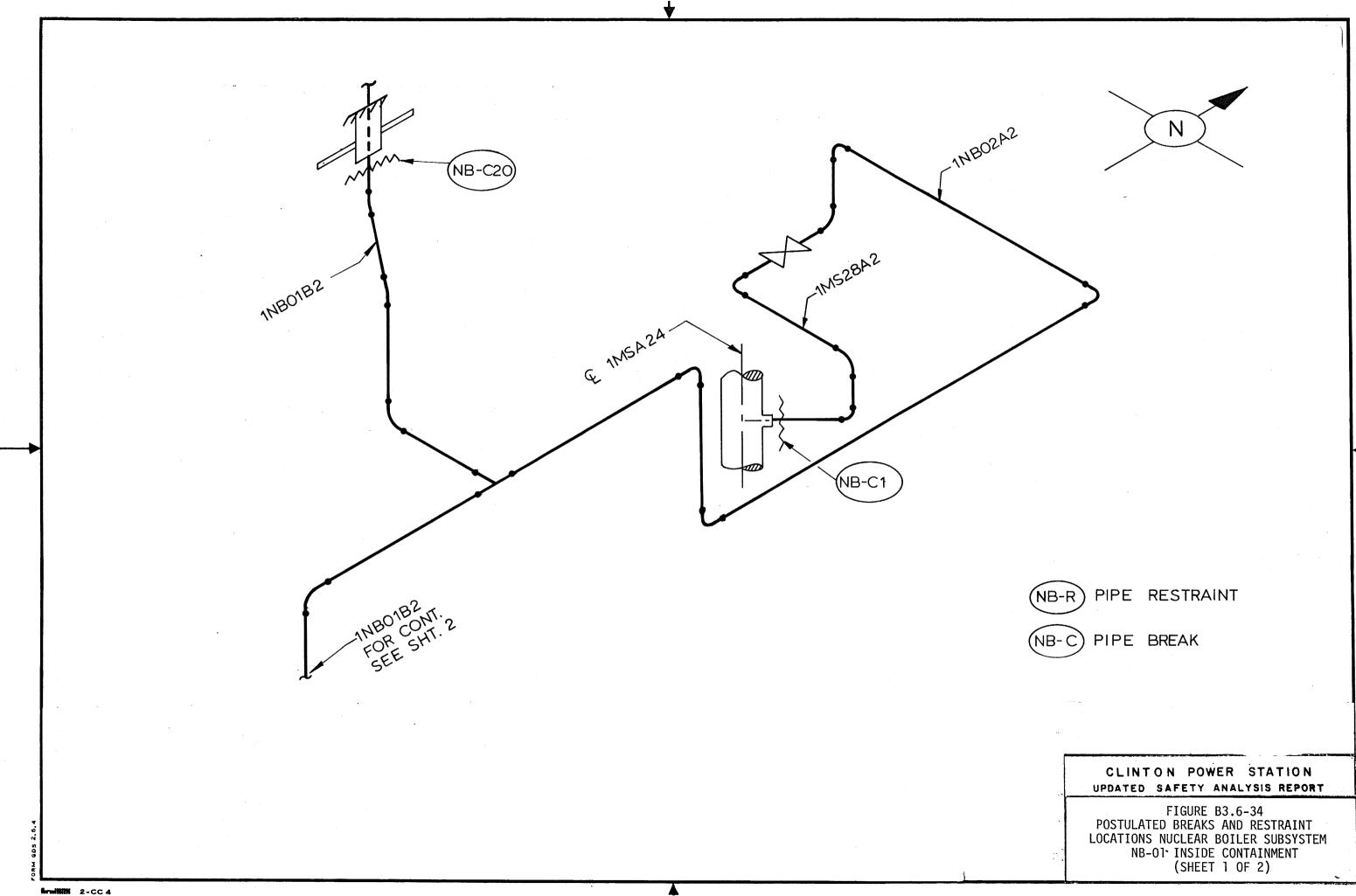
11 767 / 936 CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT FIGURE B3.6-31 POSTULATED BREAKS AND RESTRAINT LOCATIONS REACTOR RECIRCULATION (RR) INSIDE CONTAINMENT Marine 13 12 R

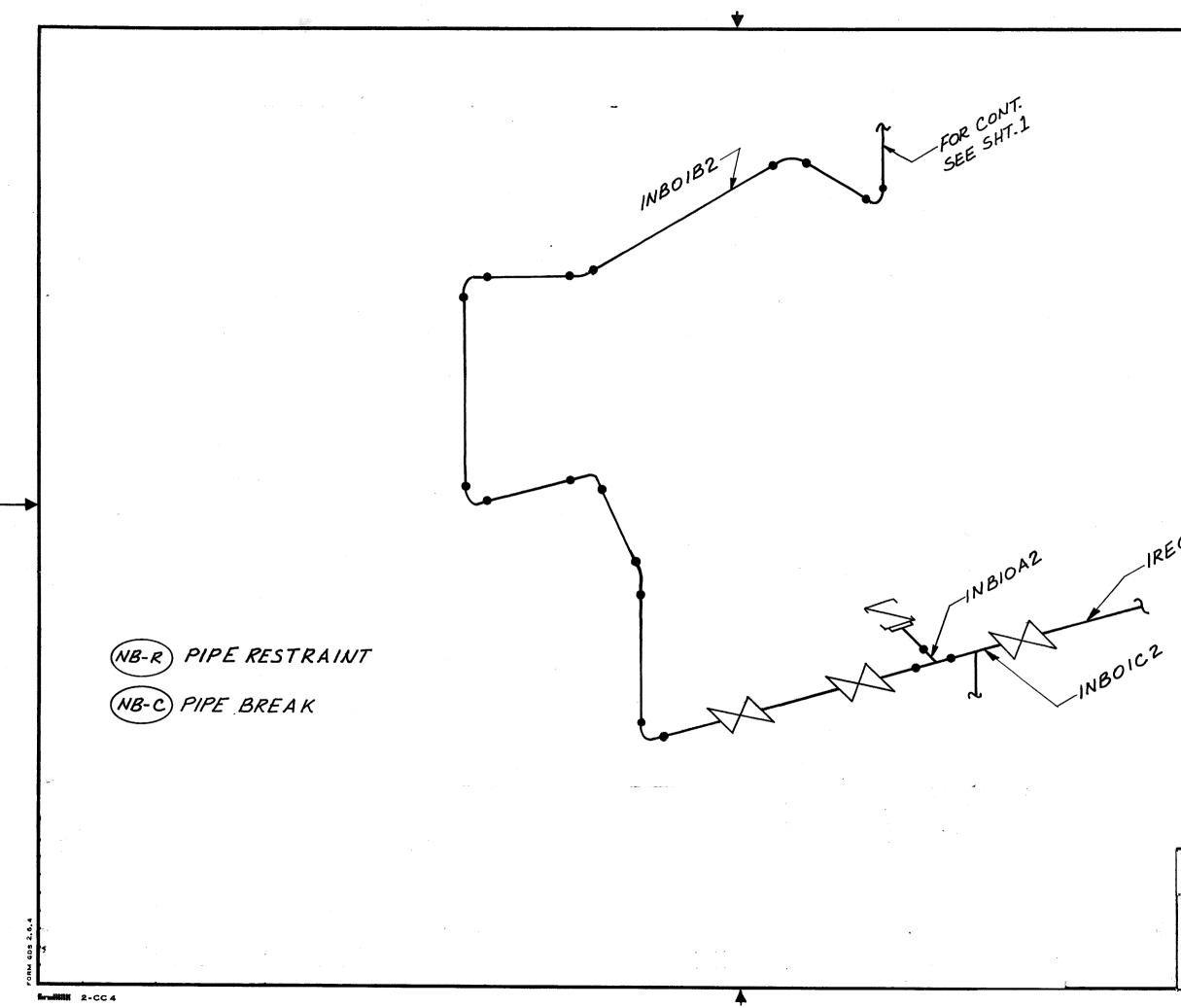






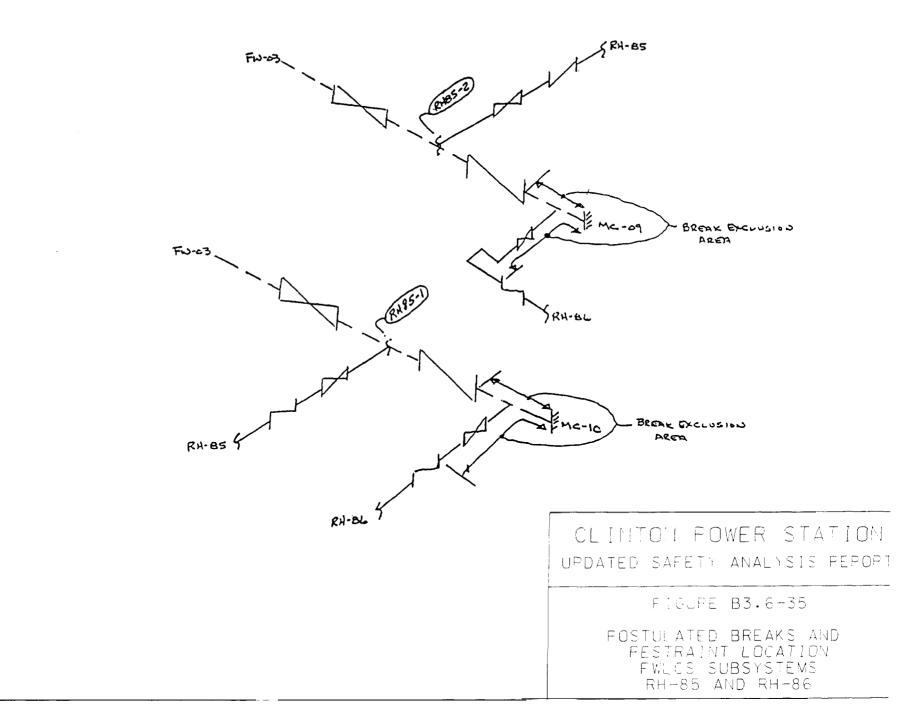


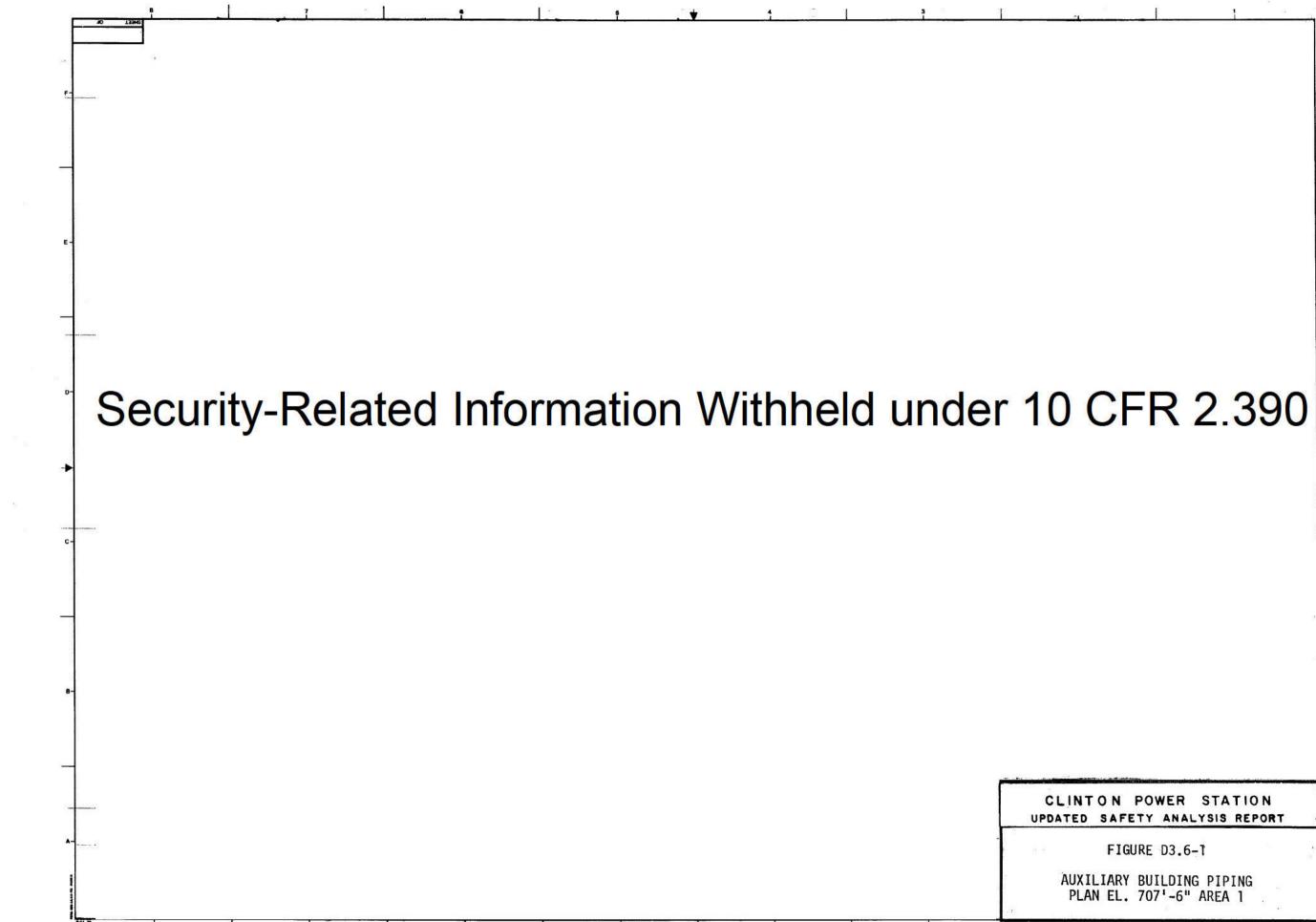




IRE 60A2 CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT FIGURE B3.6-34 POSTULATED BREAKS AND RESTRAINT LOCATIONS NUCLEAR BOILER SUBSYSTEM NB-01 INSIDE CONTAINMENT (SHEET 2 OF 2)

REVISION 9 November 2000

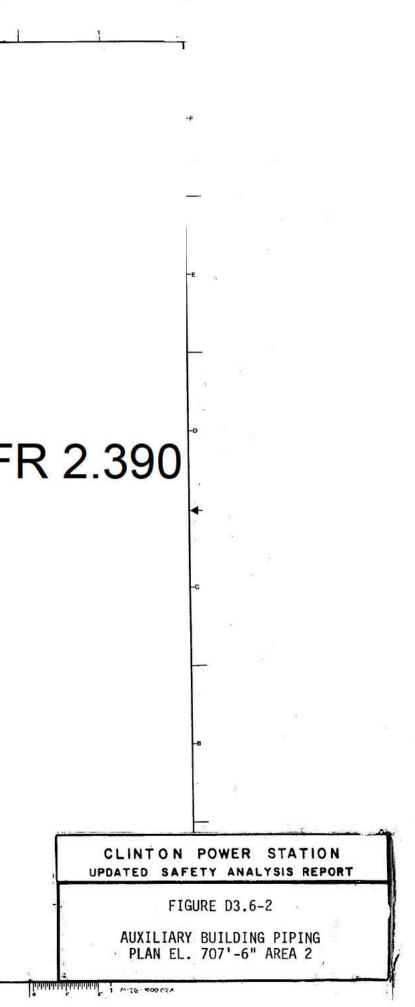




CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-1

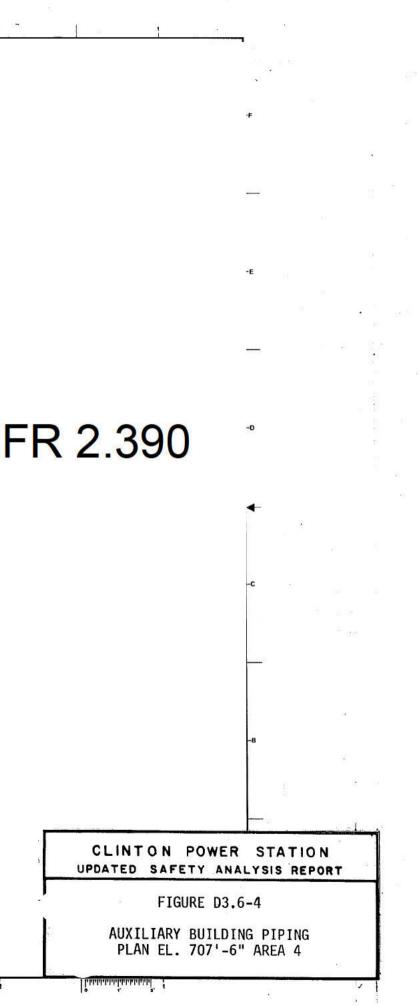
AUXILIARY BUILDING PIPING PLAN EL. 707'-6" AREA 1

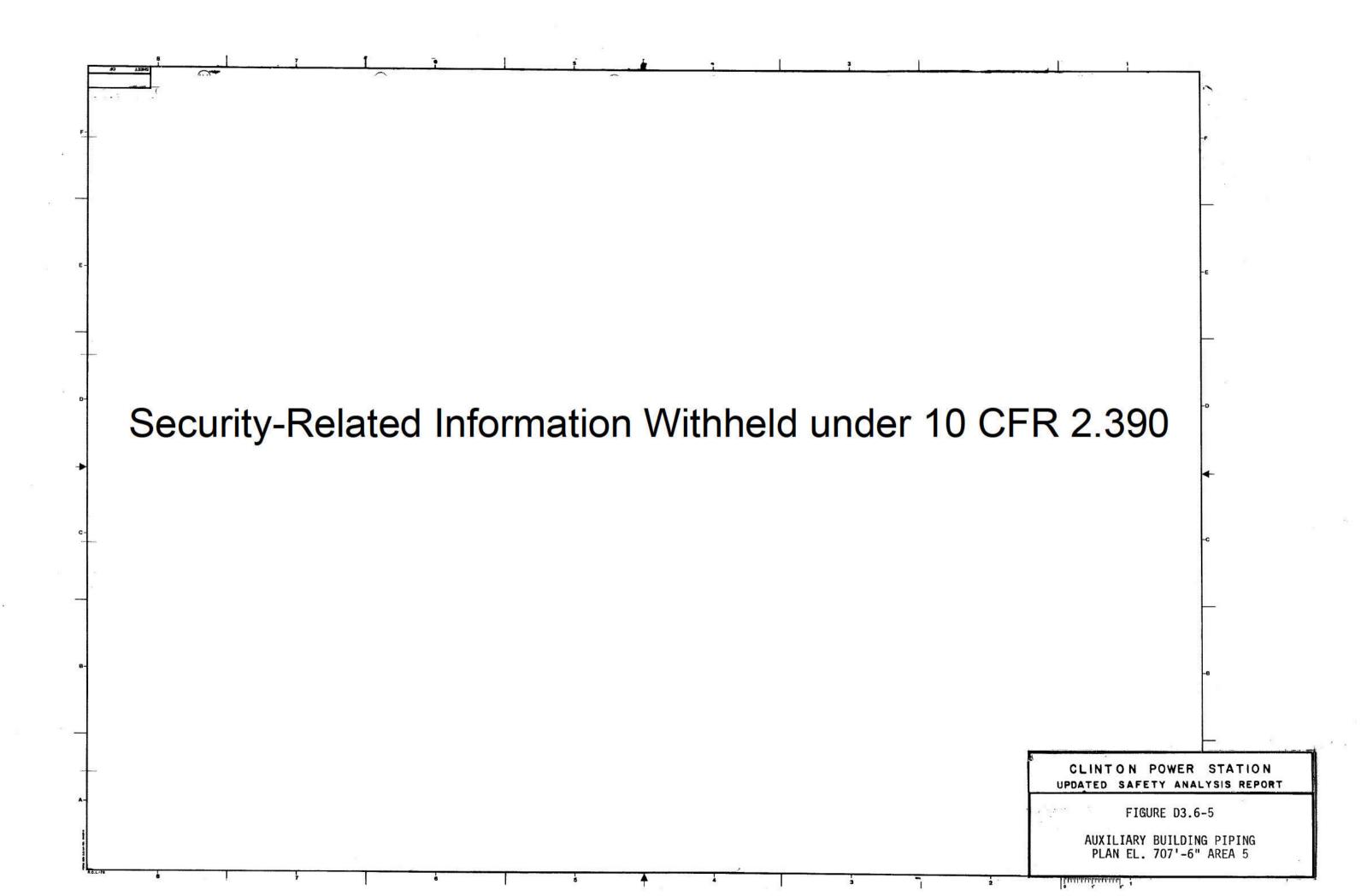


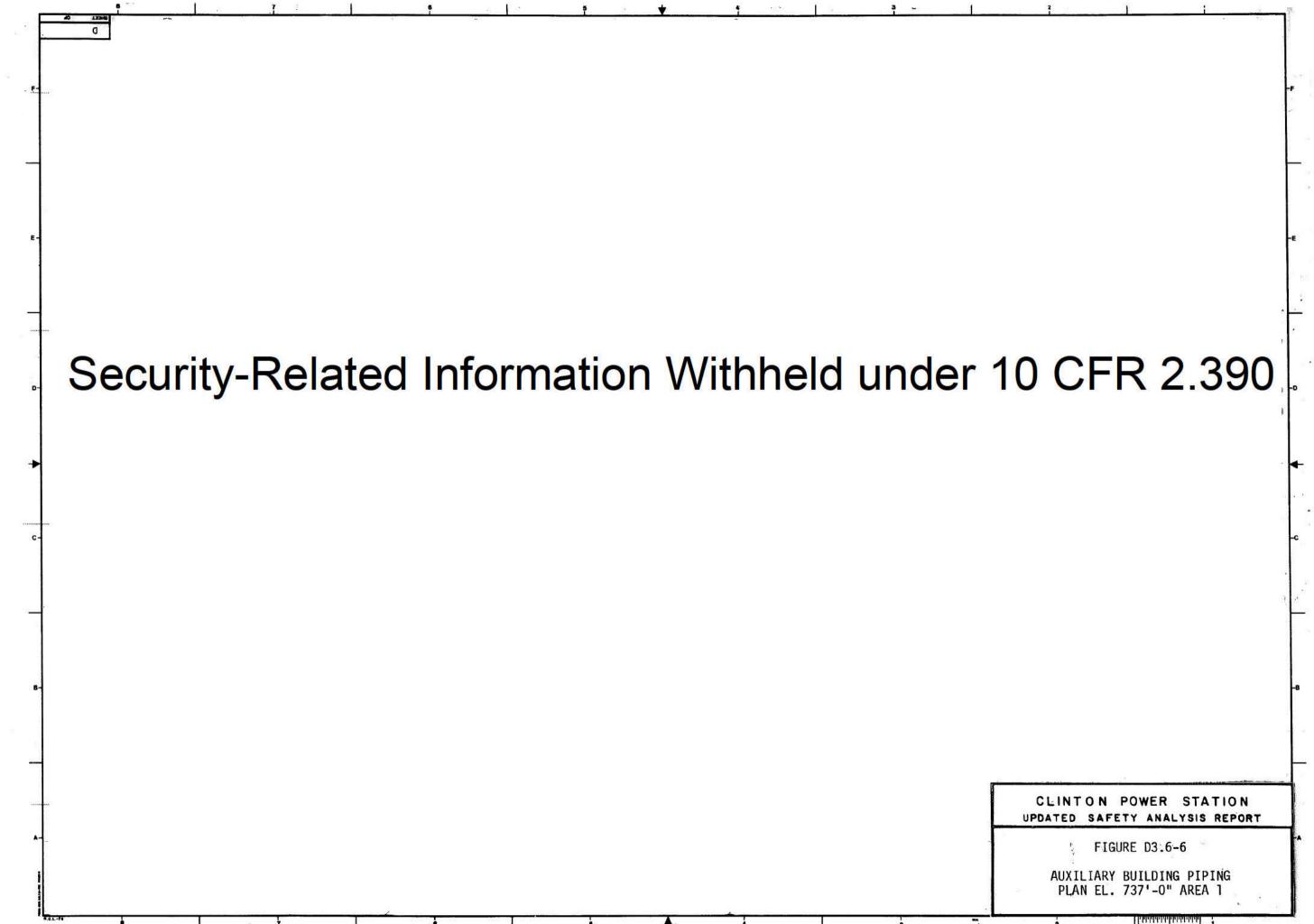
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-3

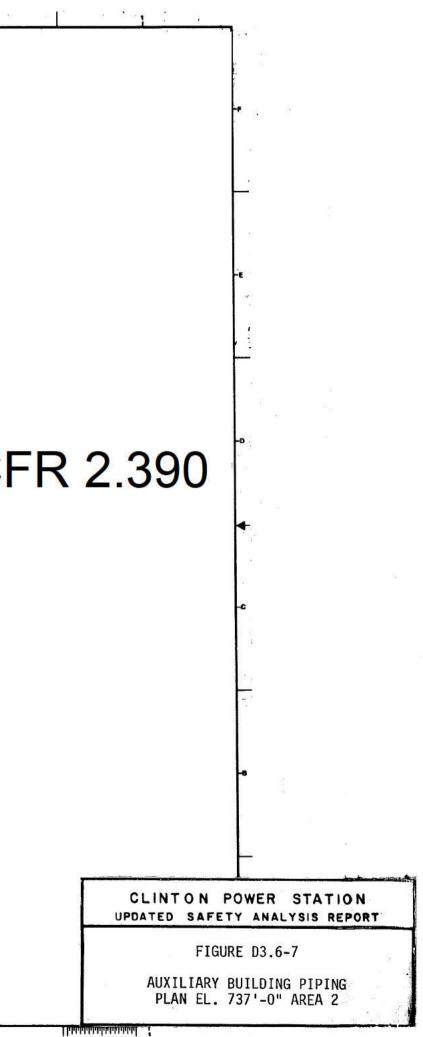
AUXILIARY BUILDING PIPING PLAN EL. 707'-6" AREA 3

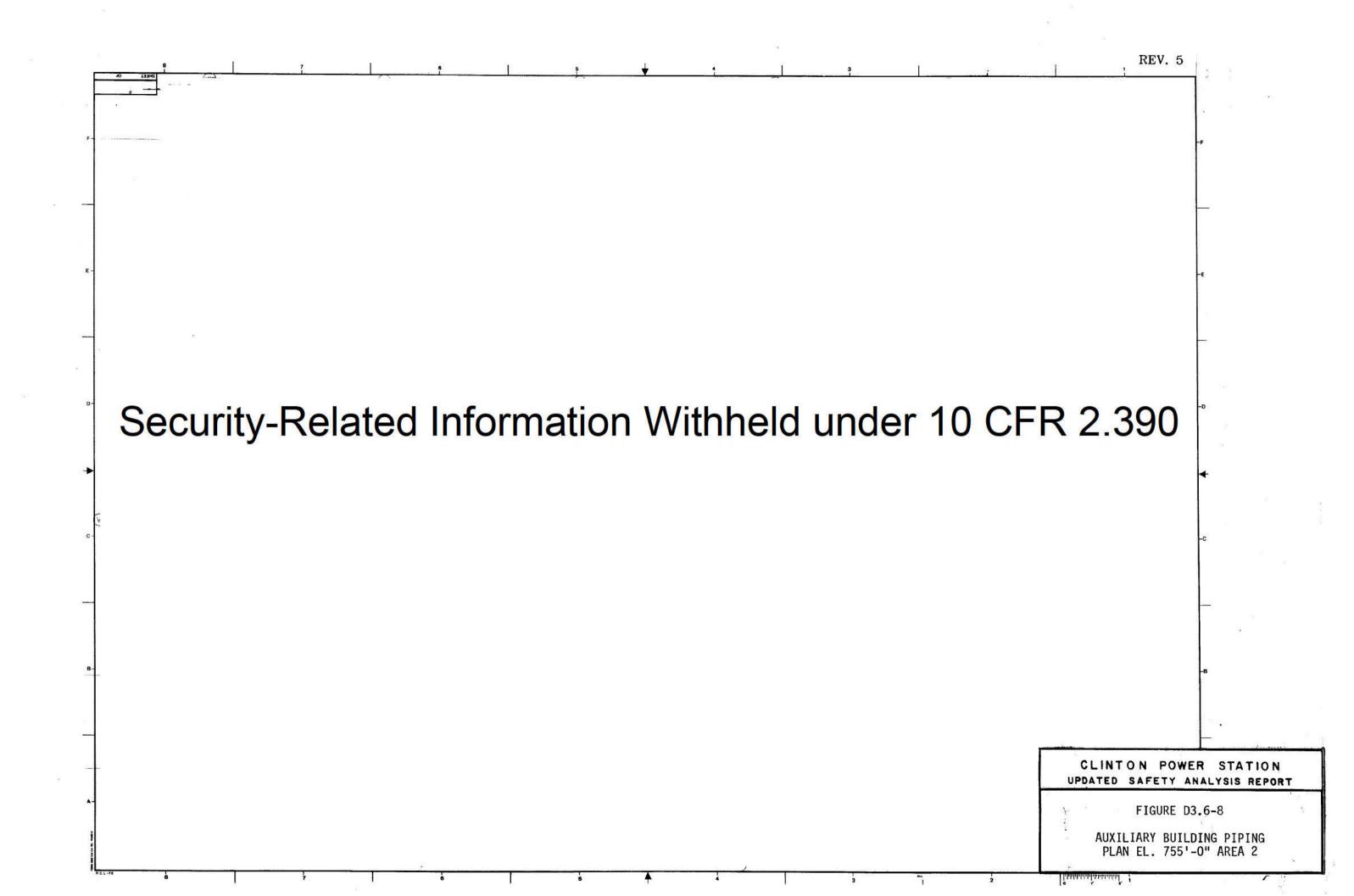


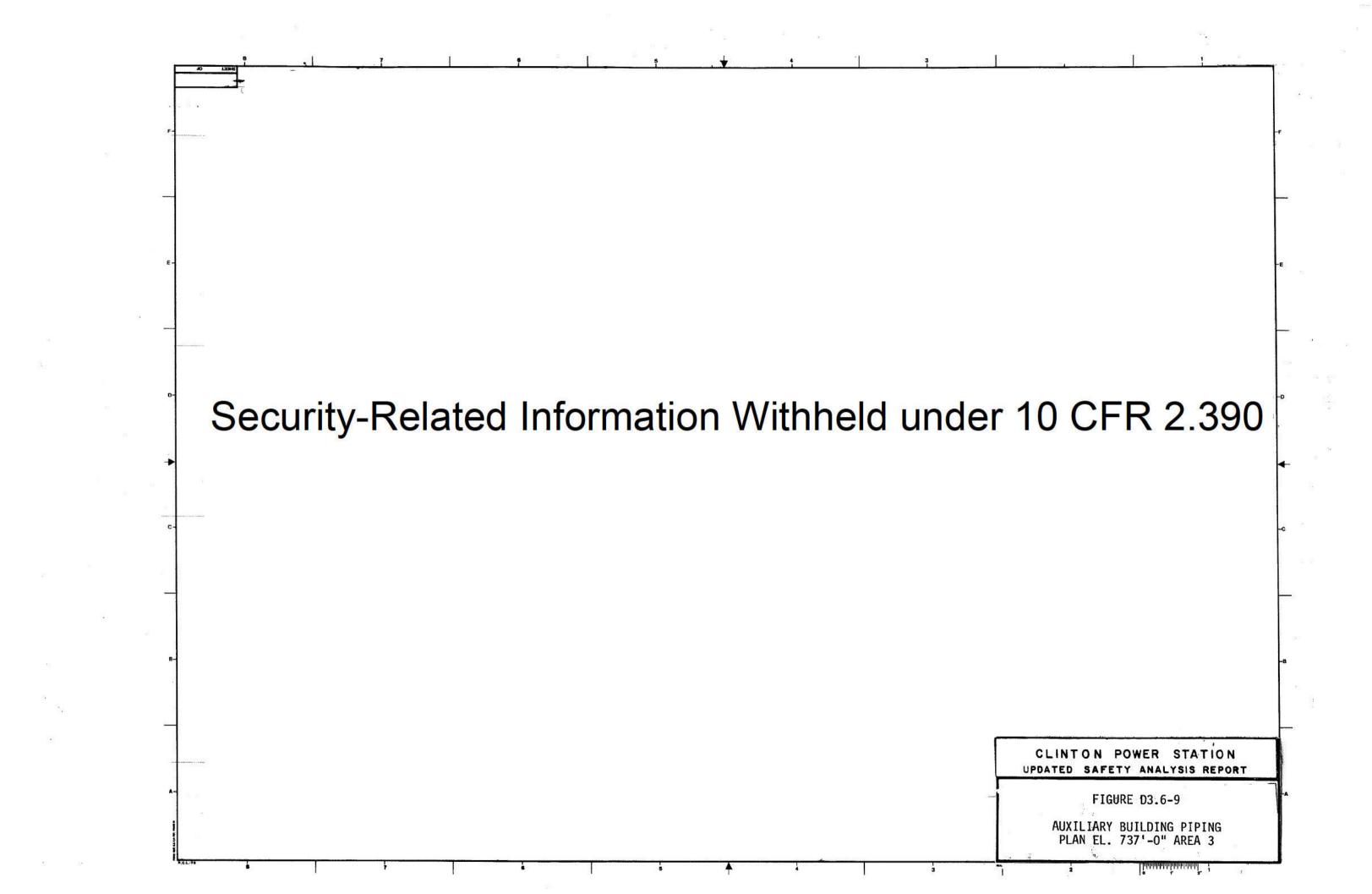


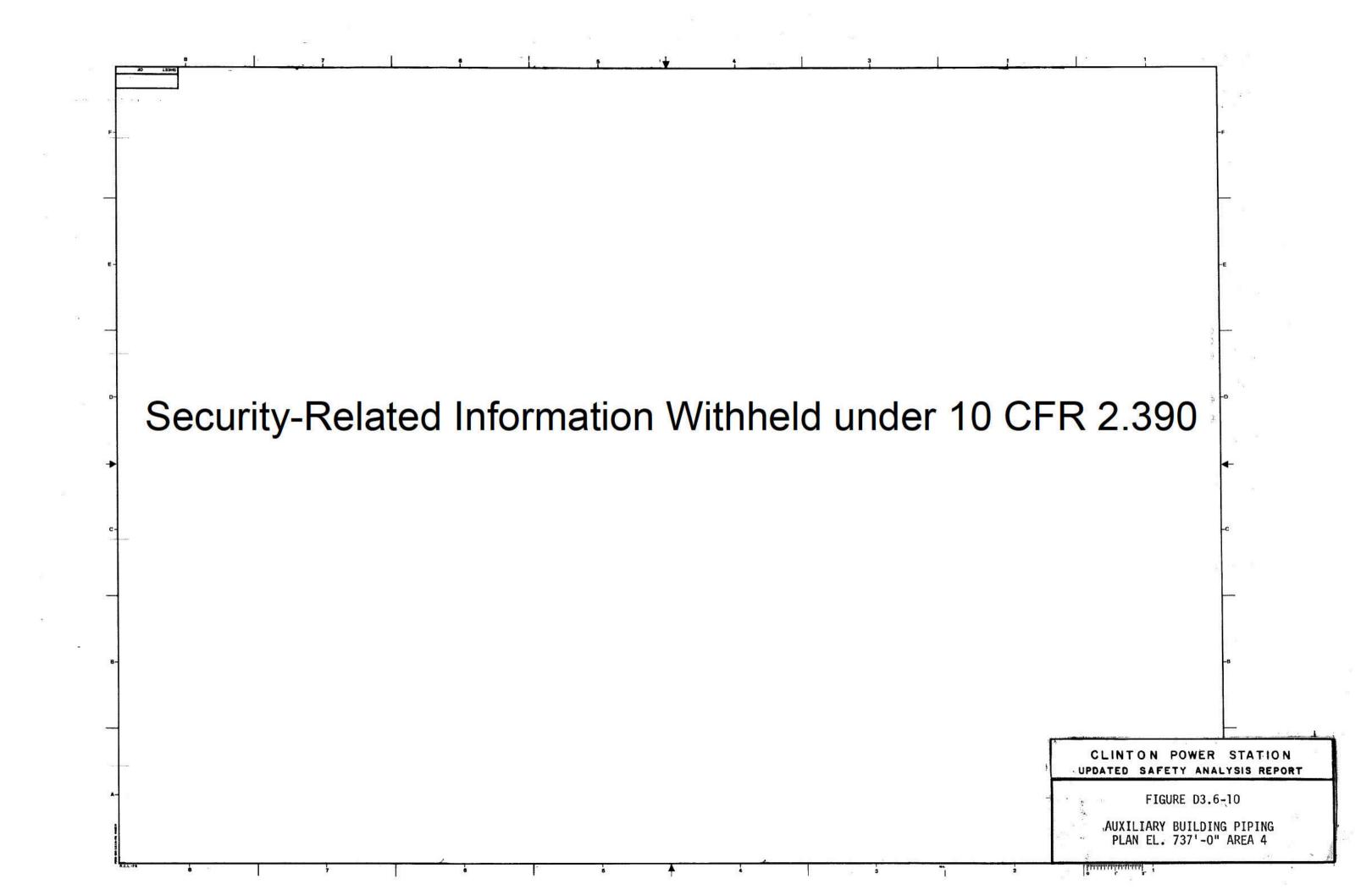


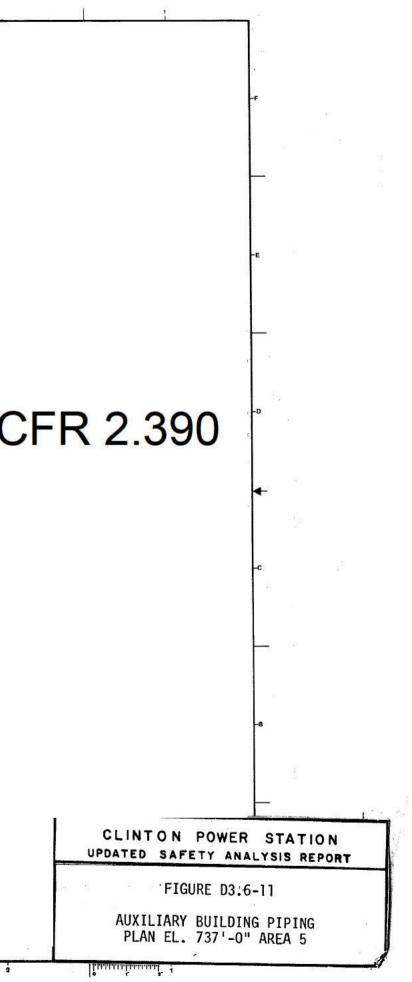
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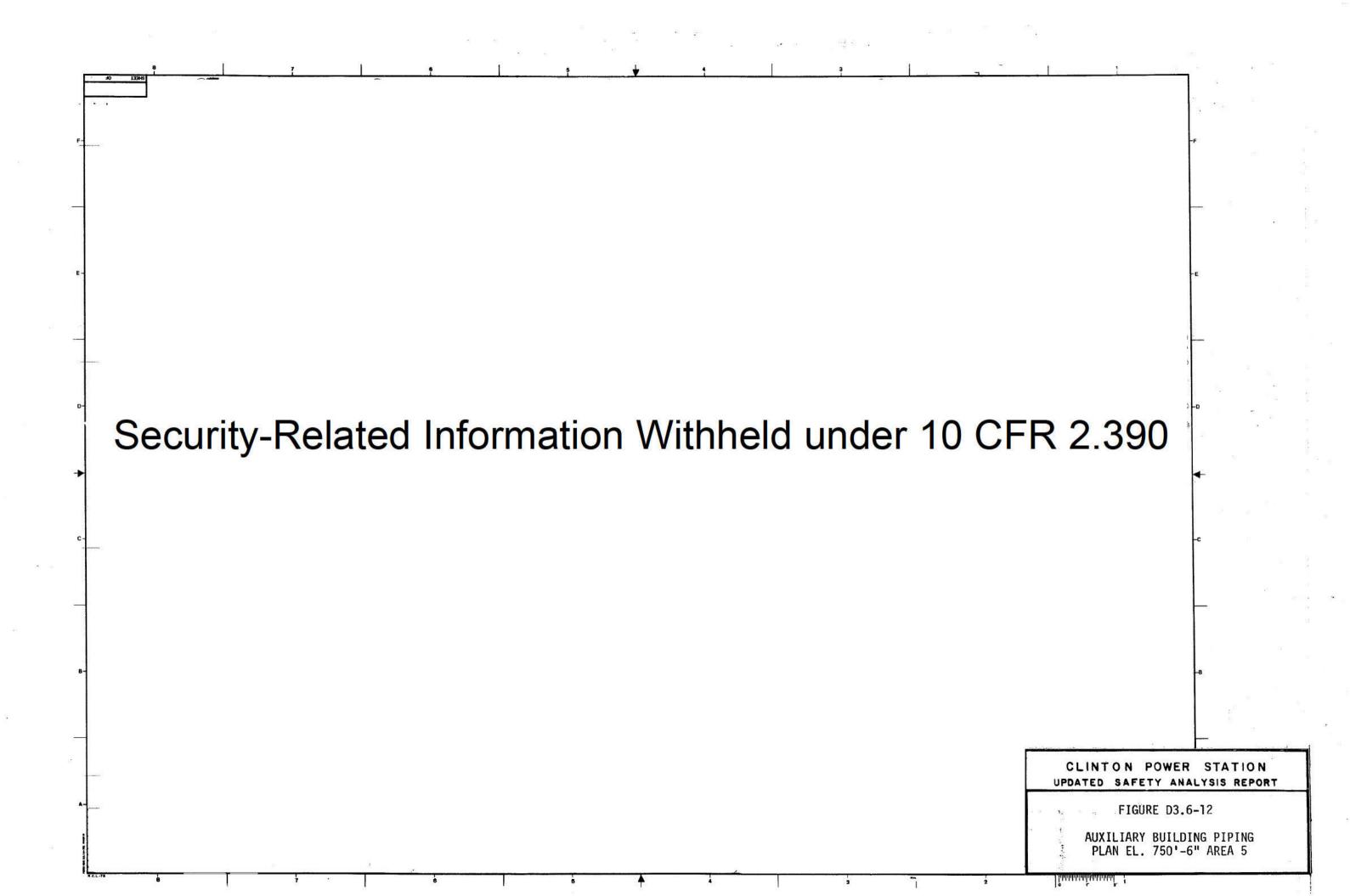


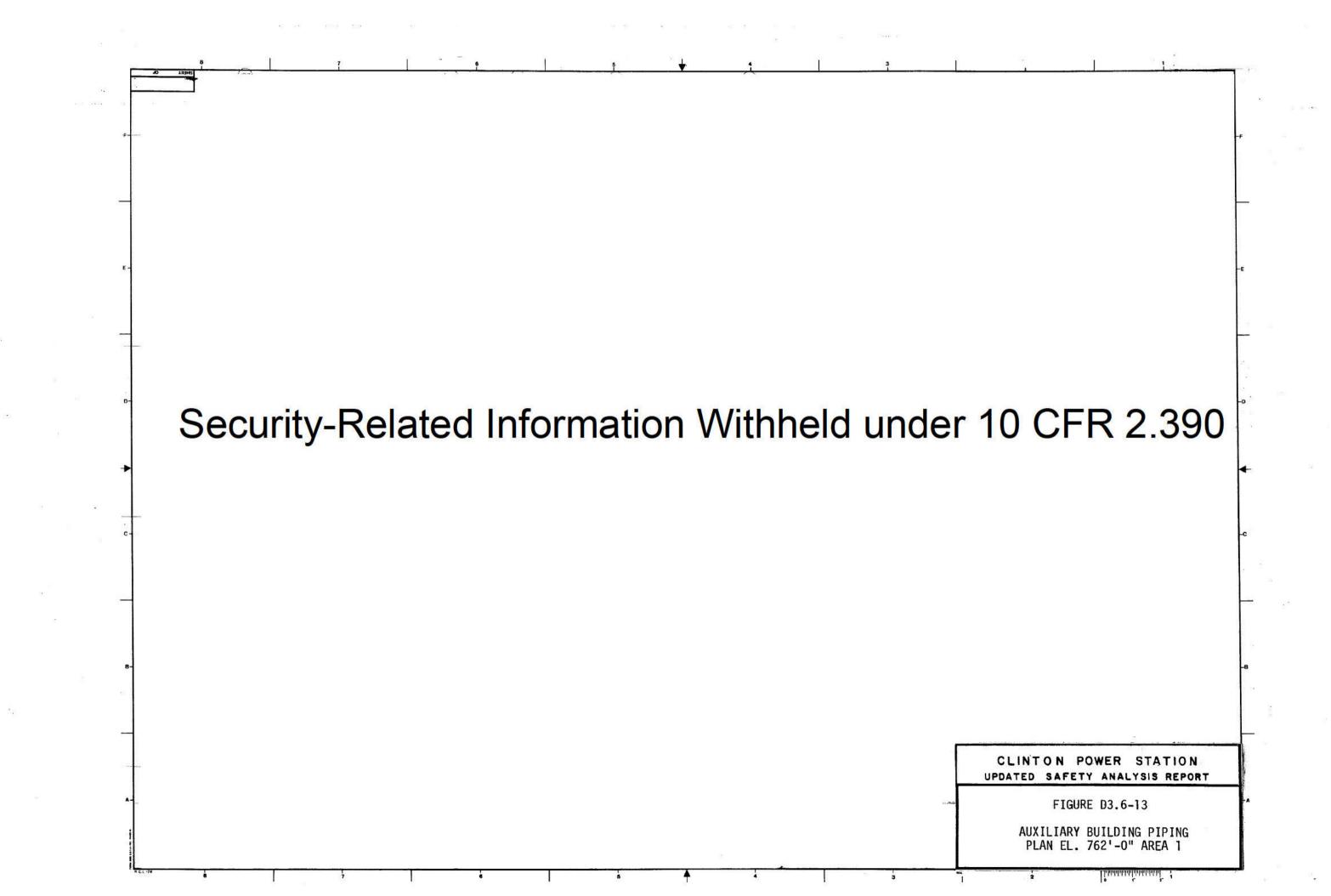


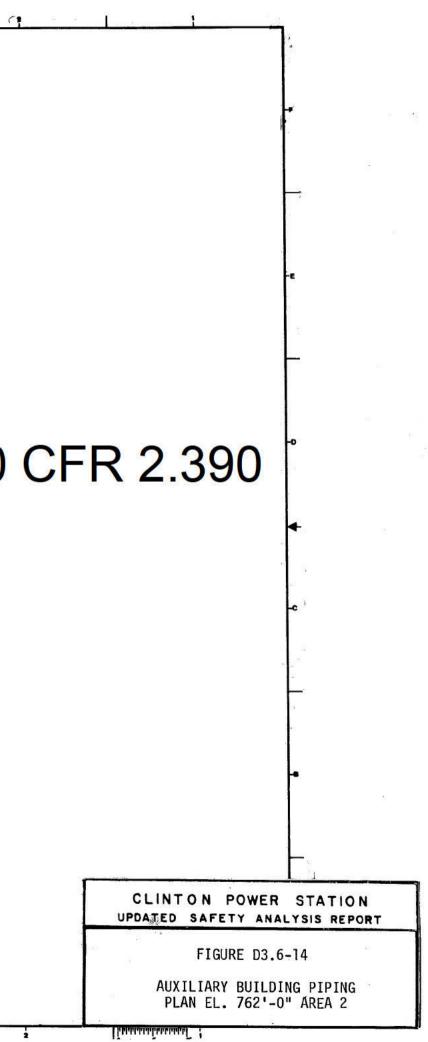


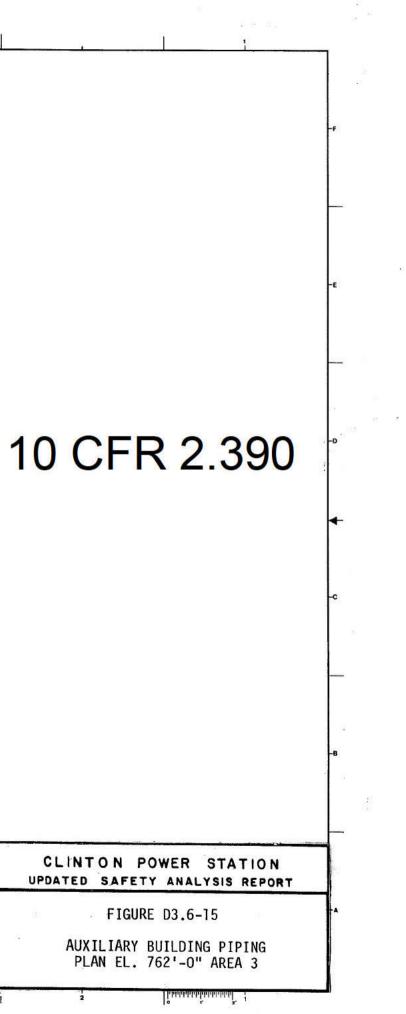


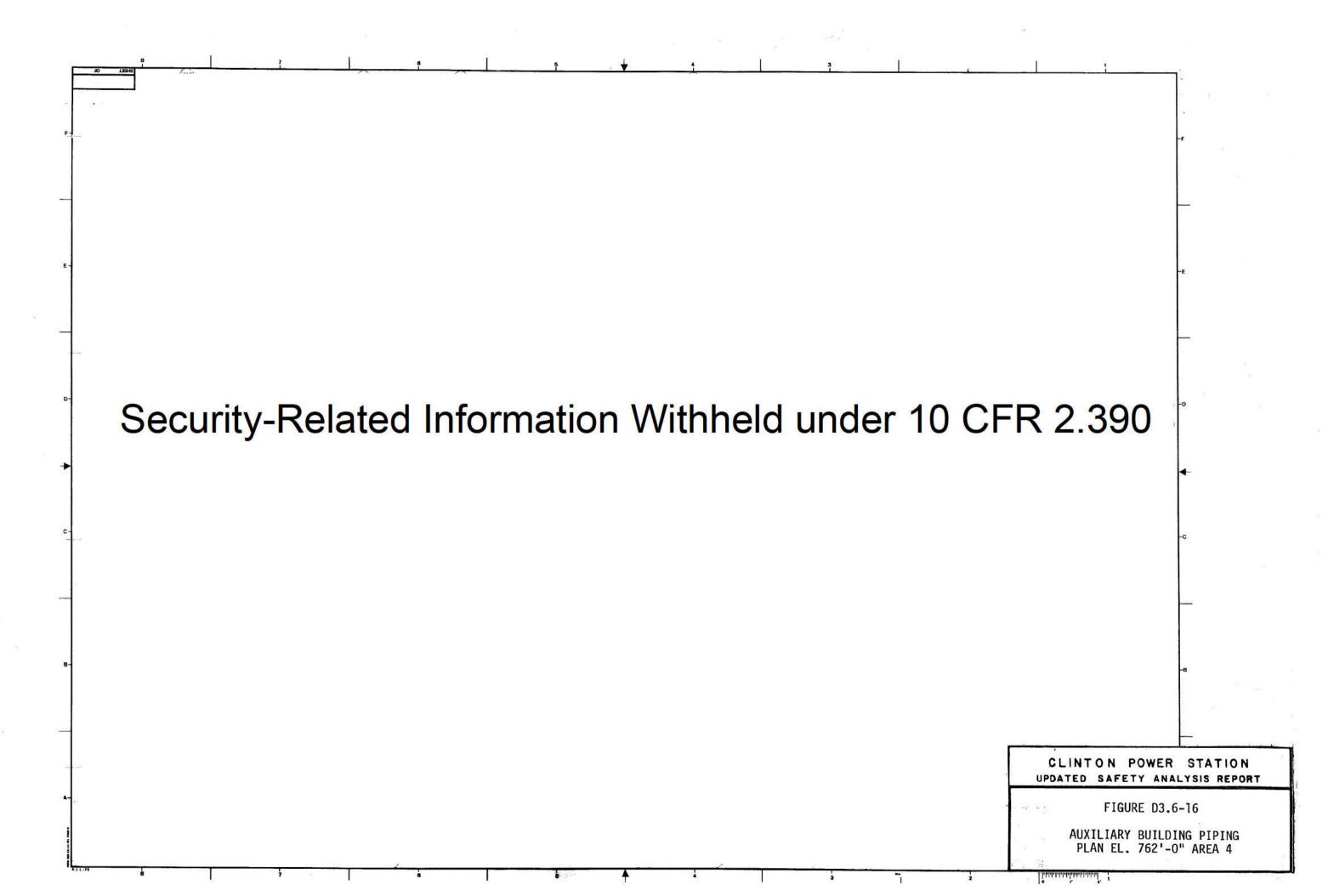






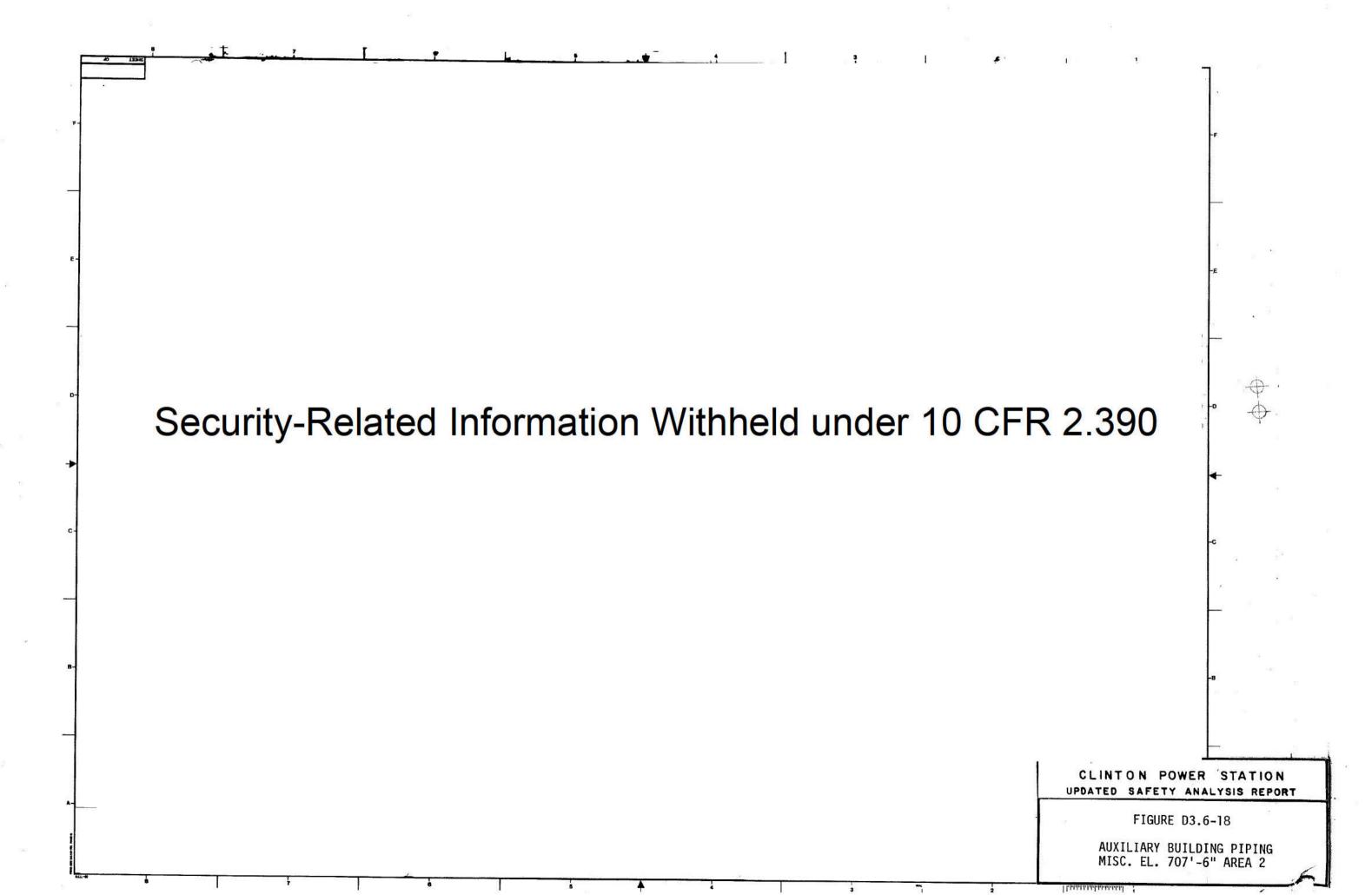


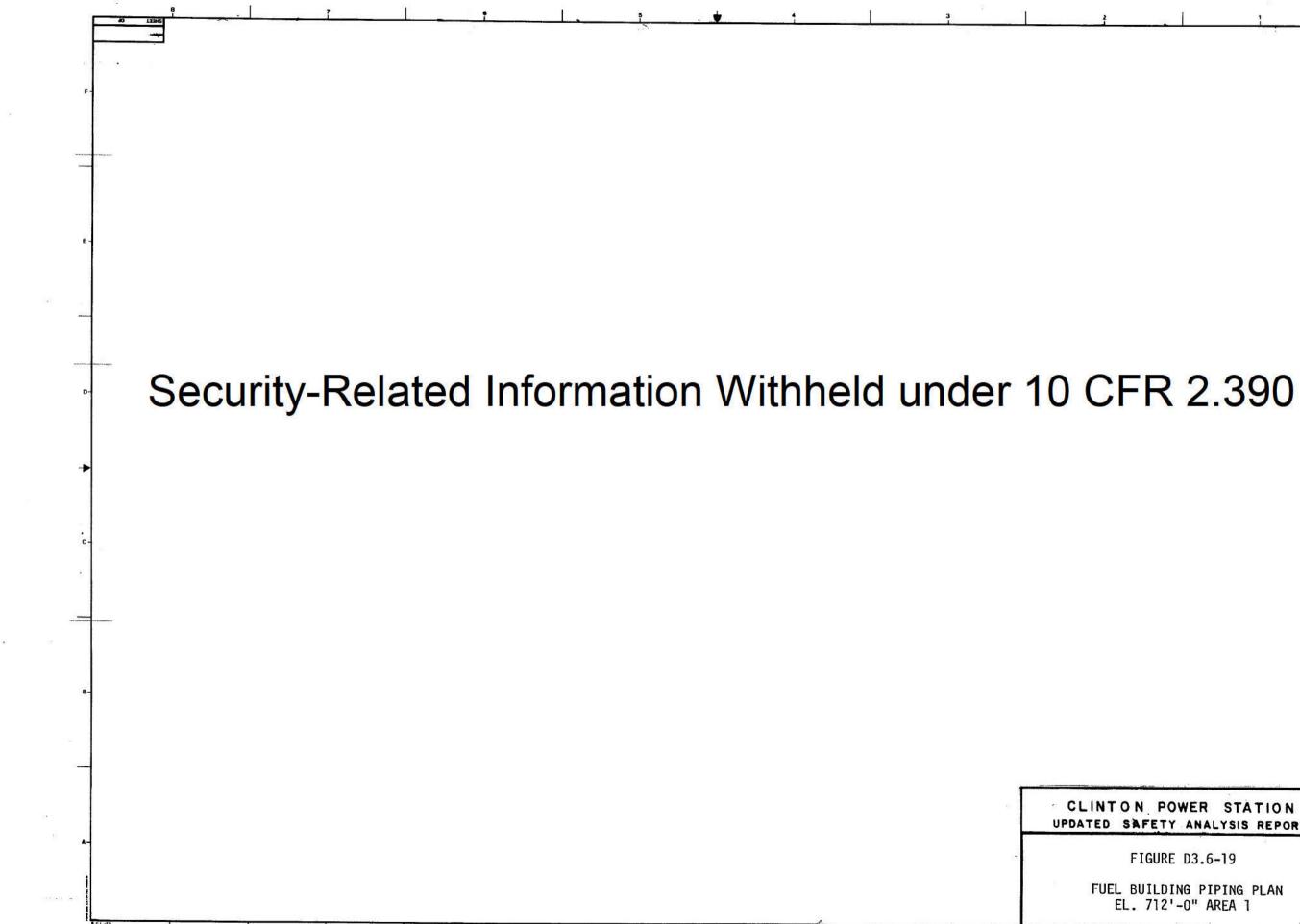




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CLINTON POWER	STATION
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FIGURE D3.6 AUXILIARY BUILD PLAN EL. 762'-0	ING PIPING
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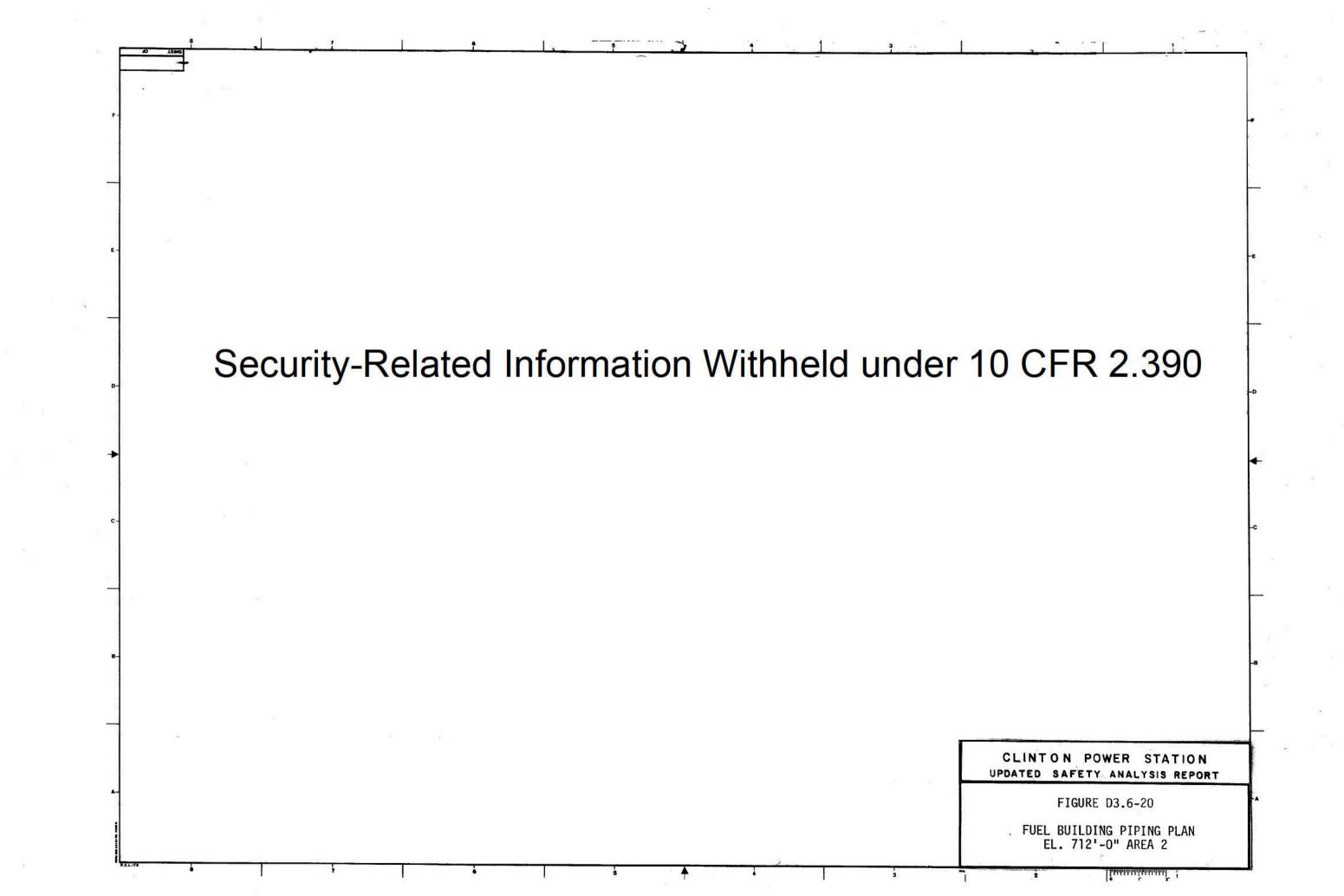


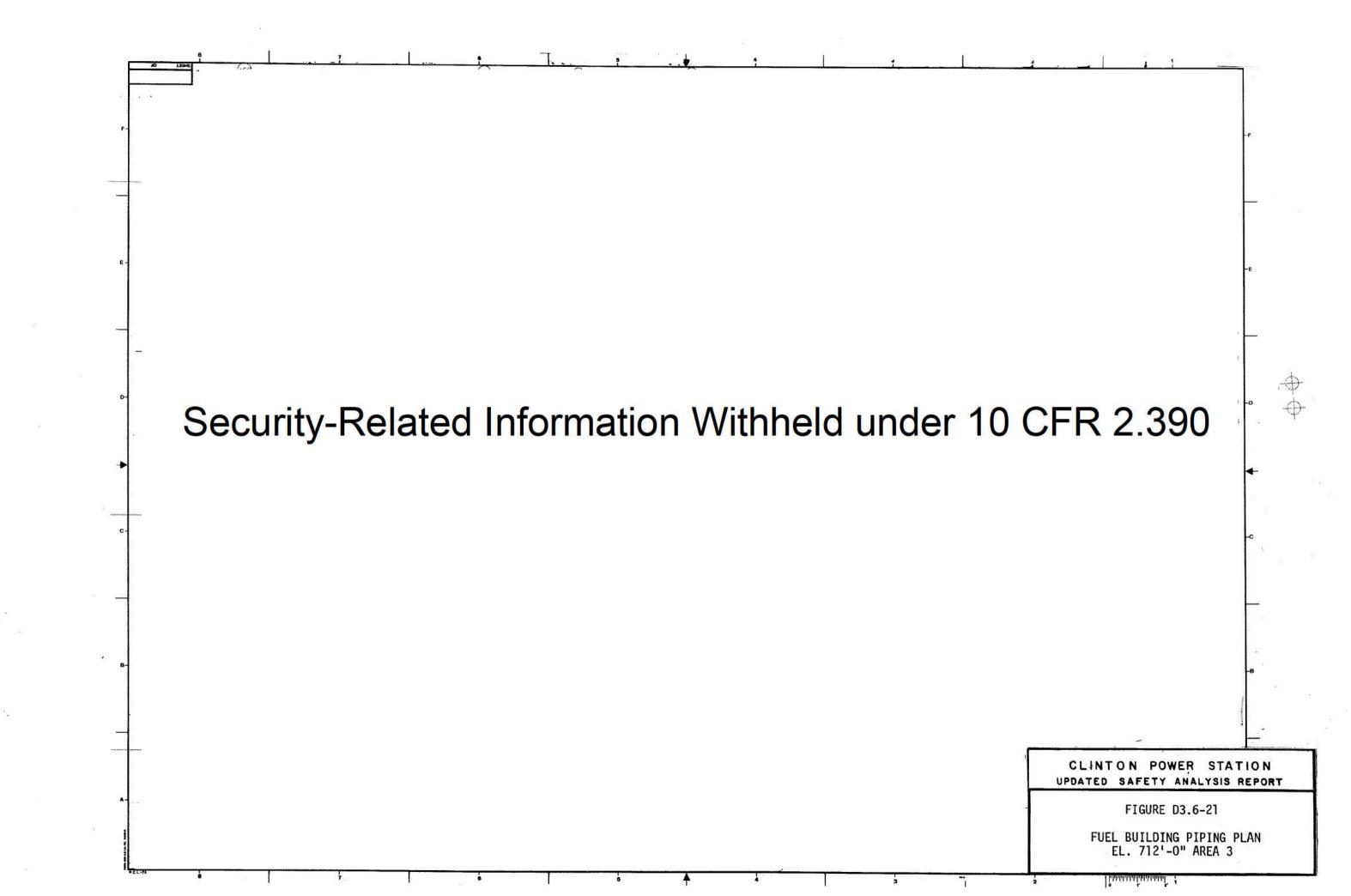
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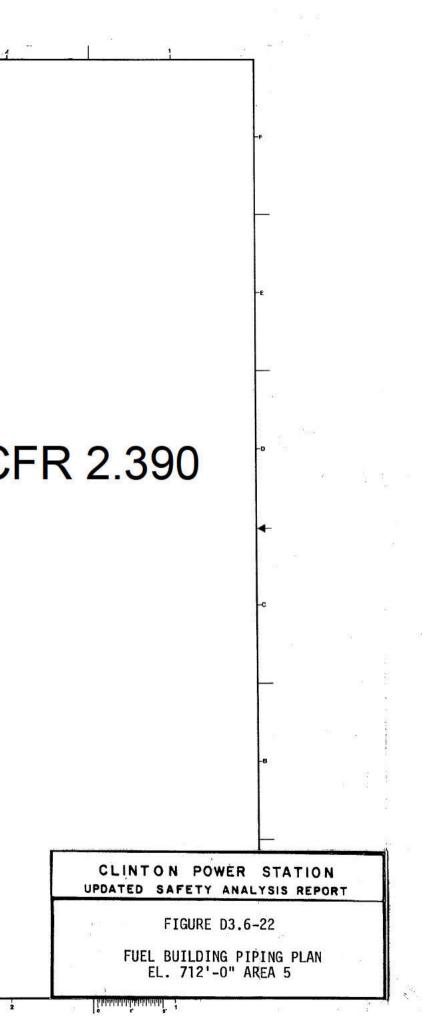
FIGURE D3.6-19

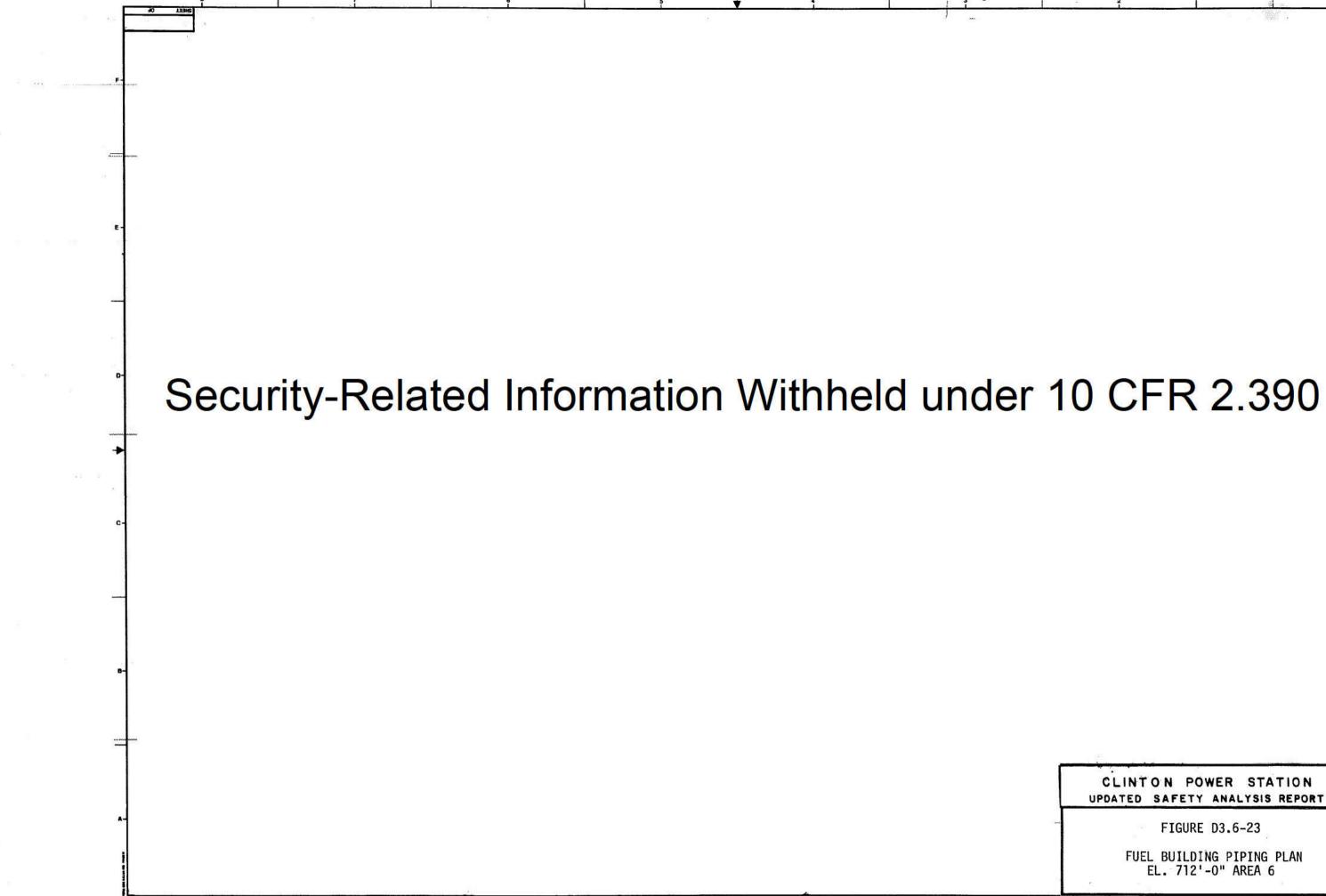
FUEL BUILDING PIPING PLAN EL. 712'-0" AREA 1

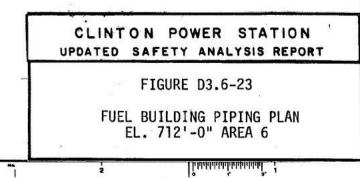
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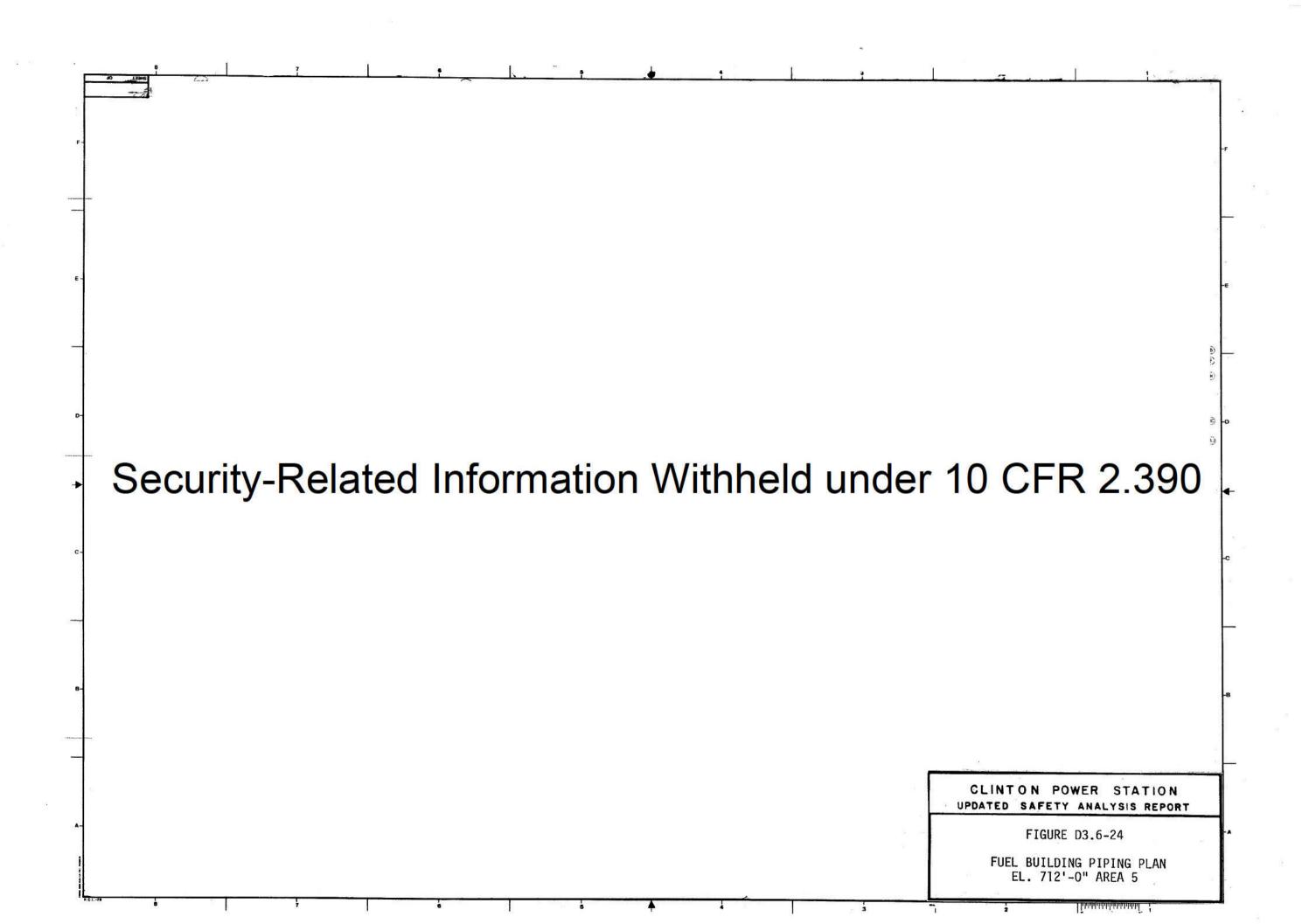


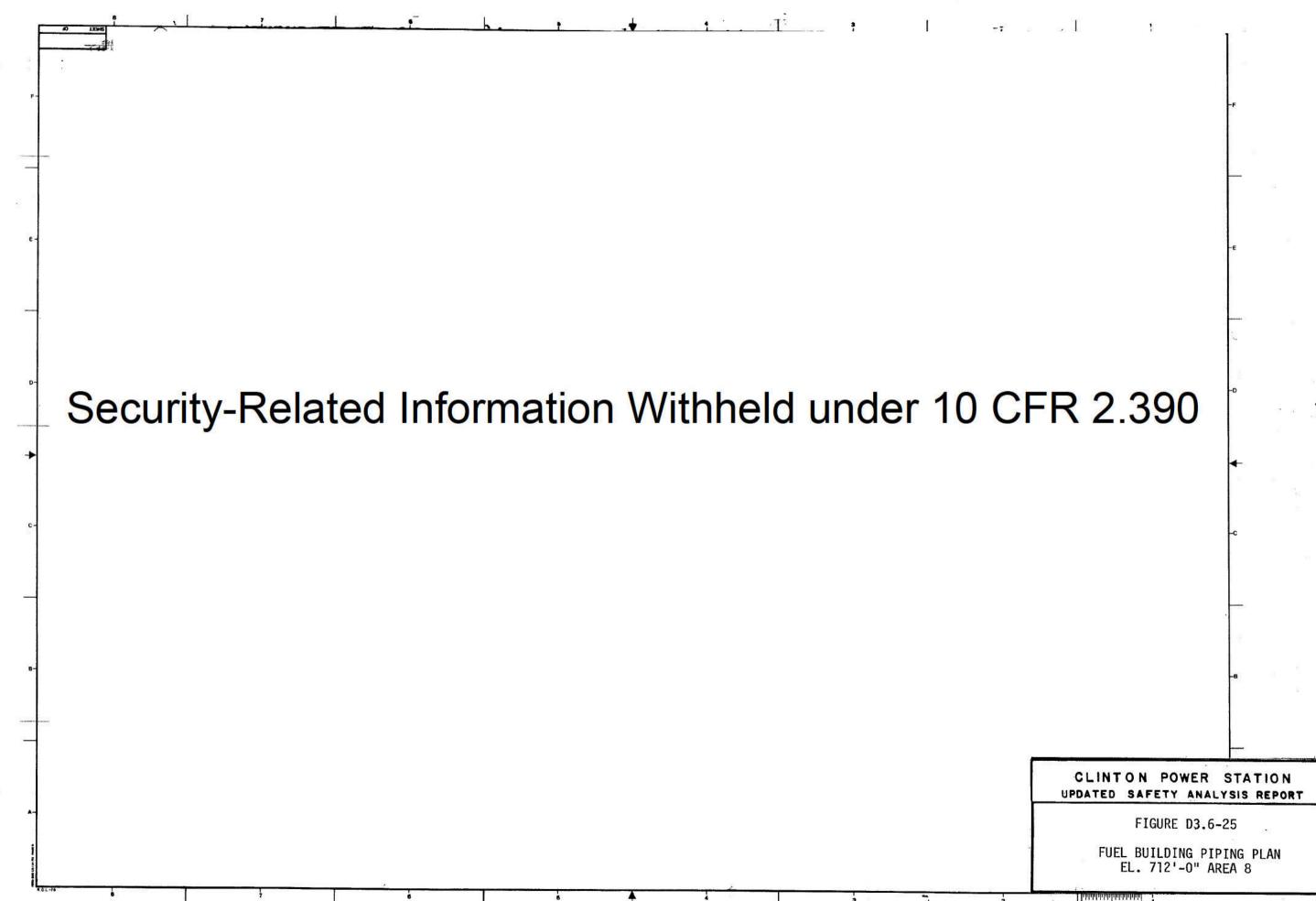








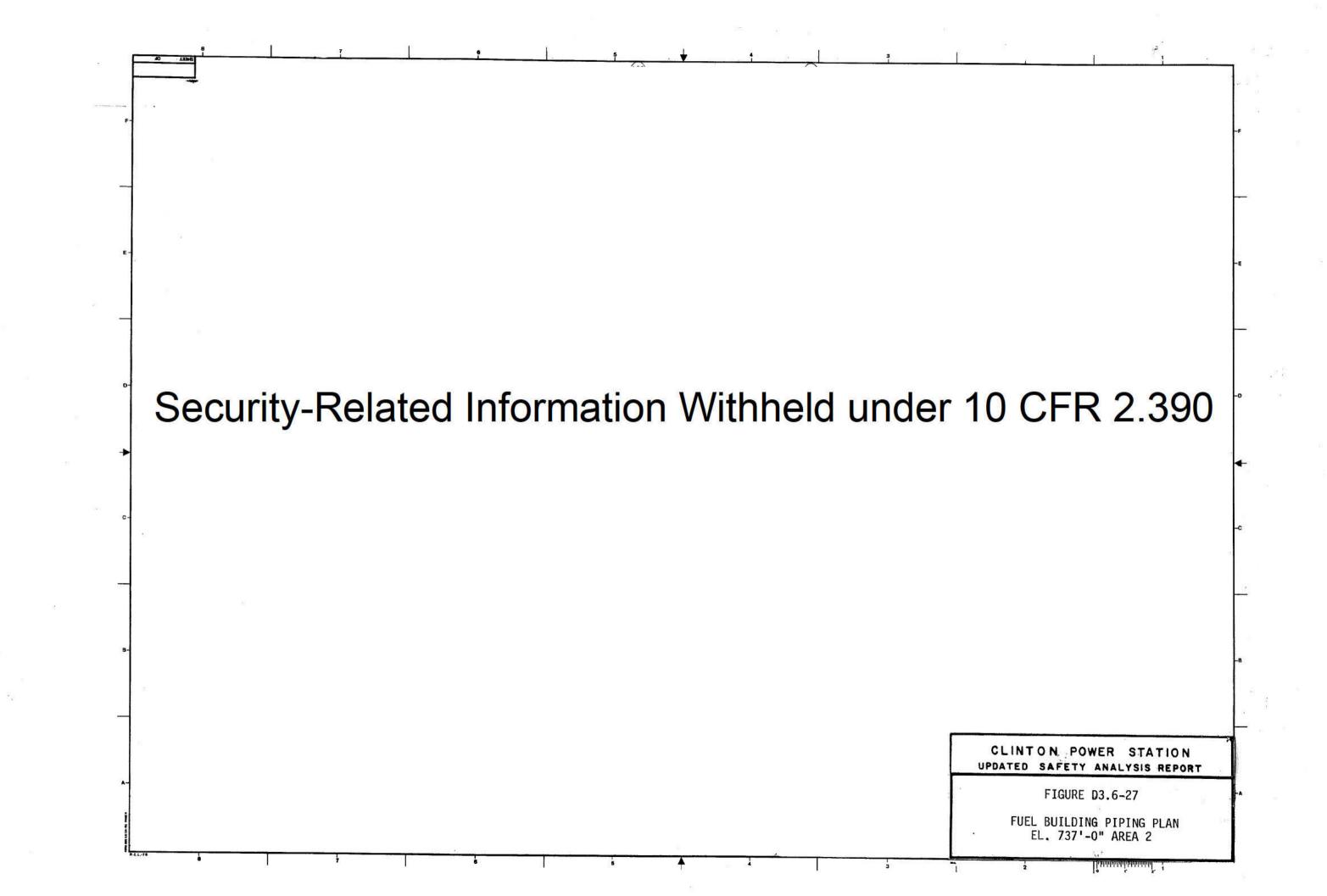


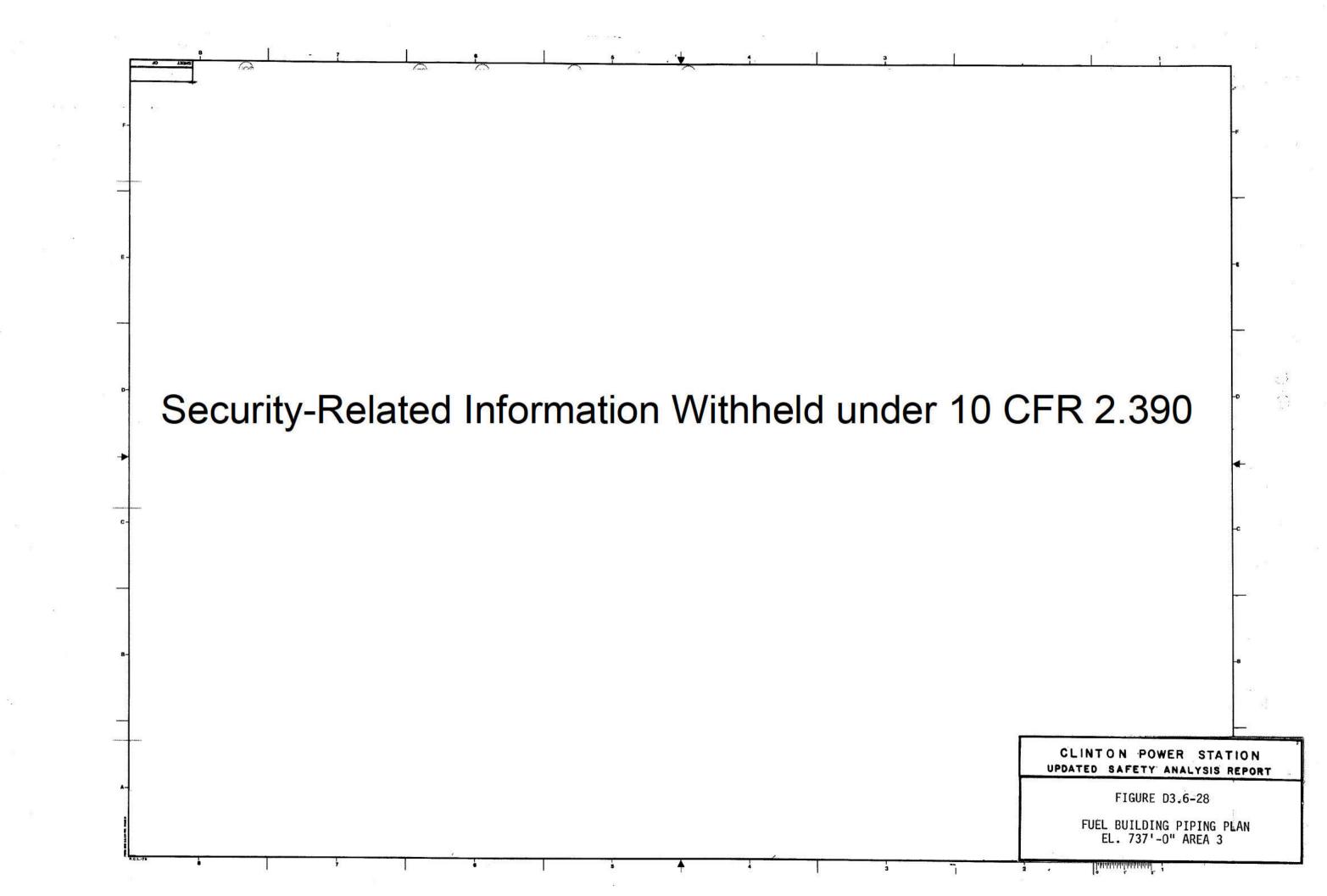


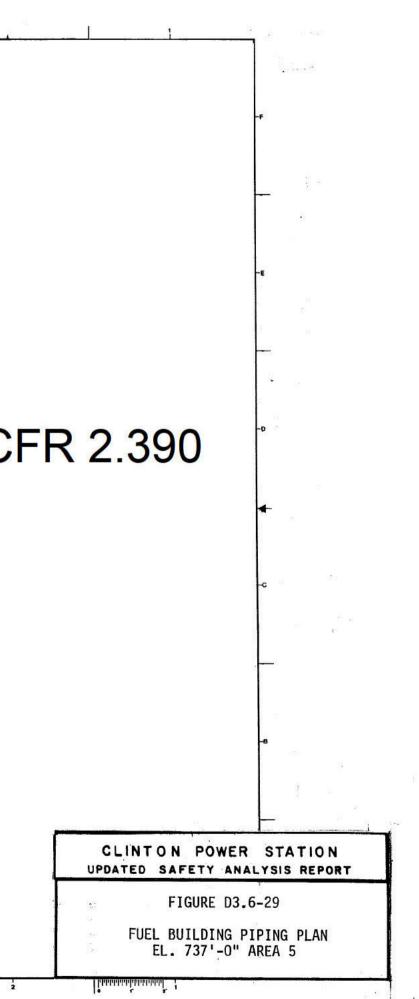
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

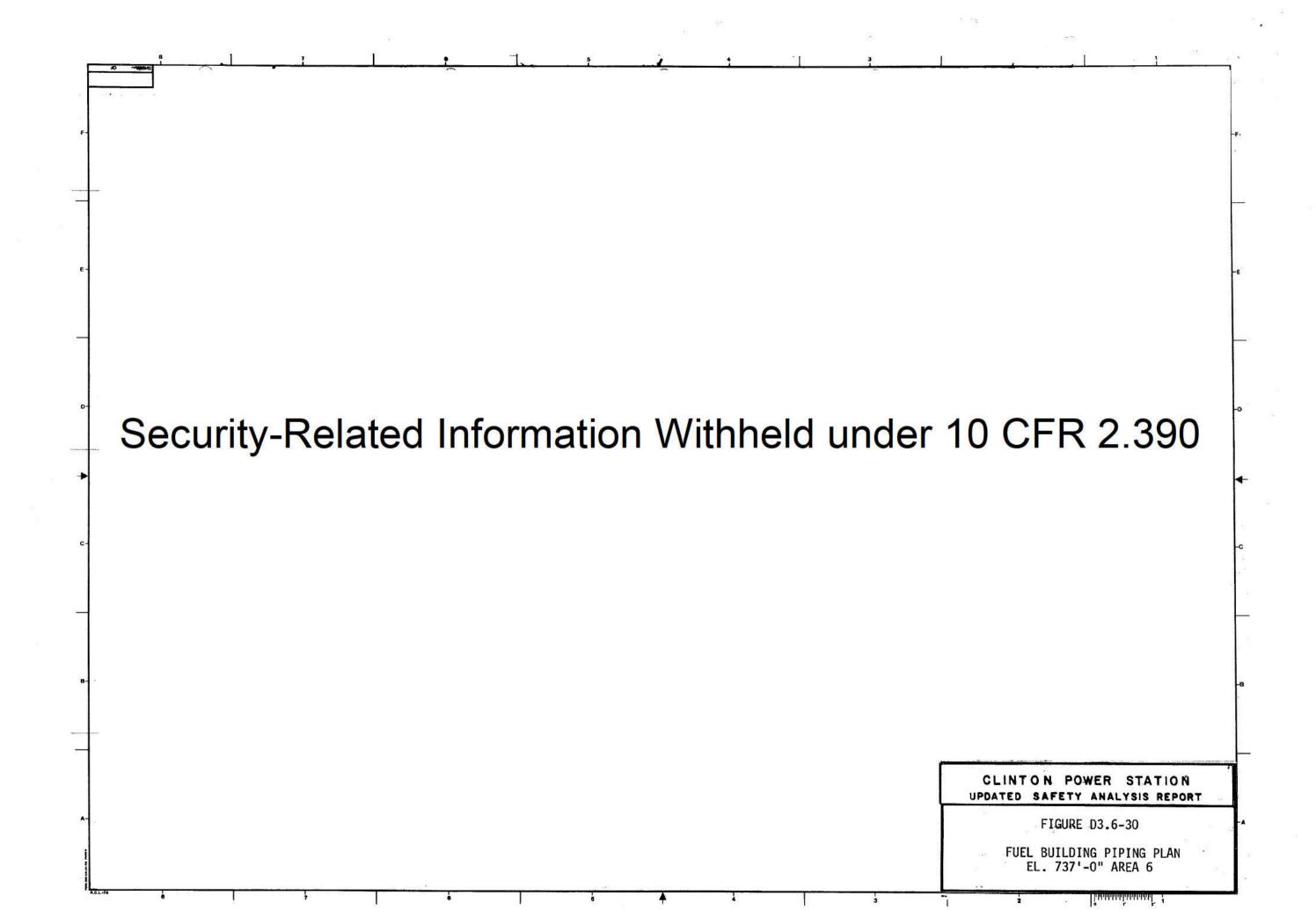
FIGURE D3.6-26

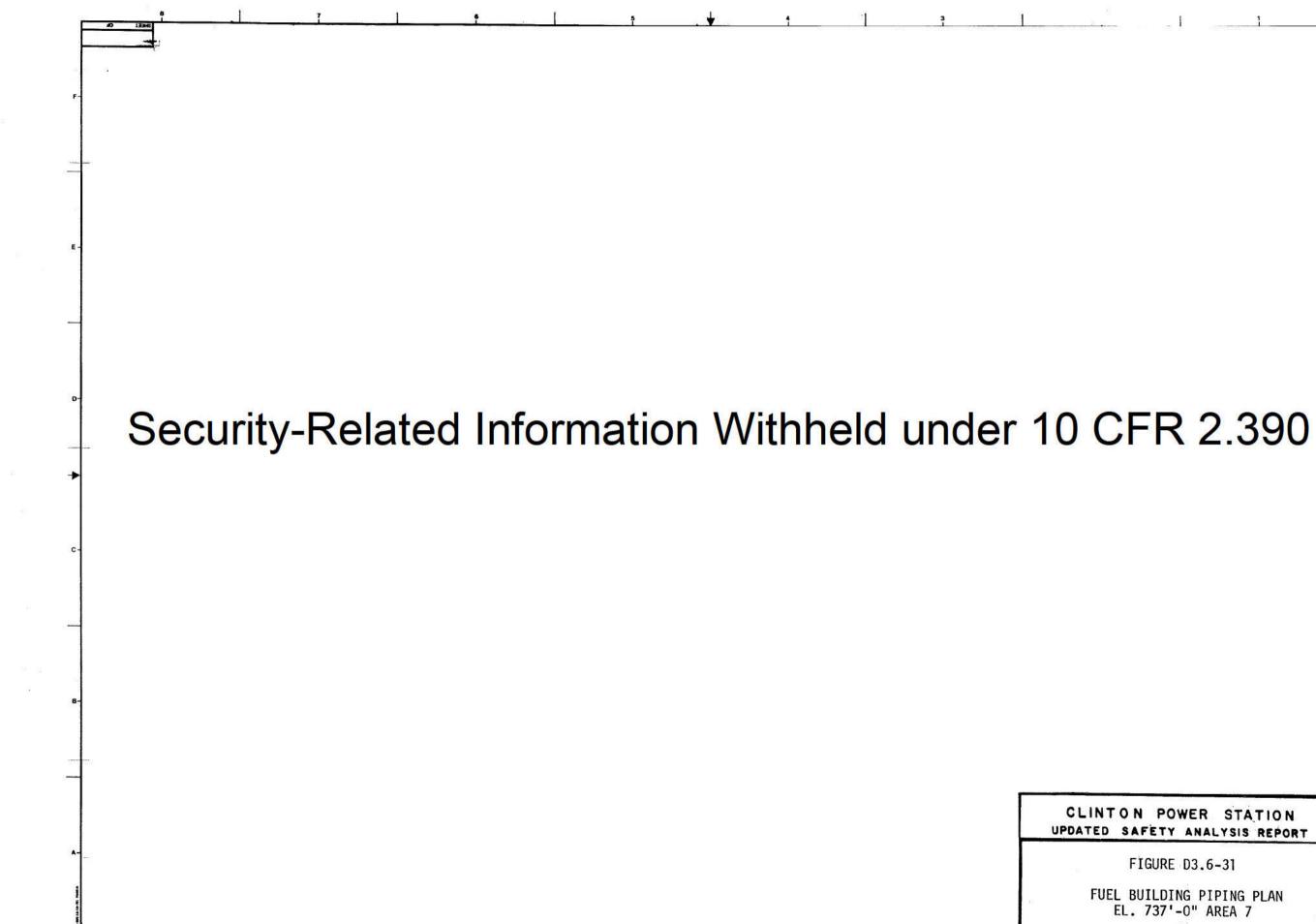
FUEL BUILDING PIPING PLAN EL. 737'-O" AREA 1











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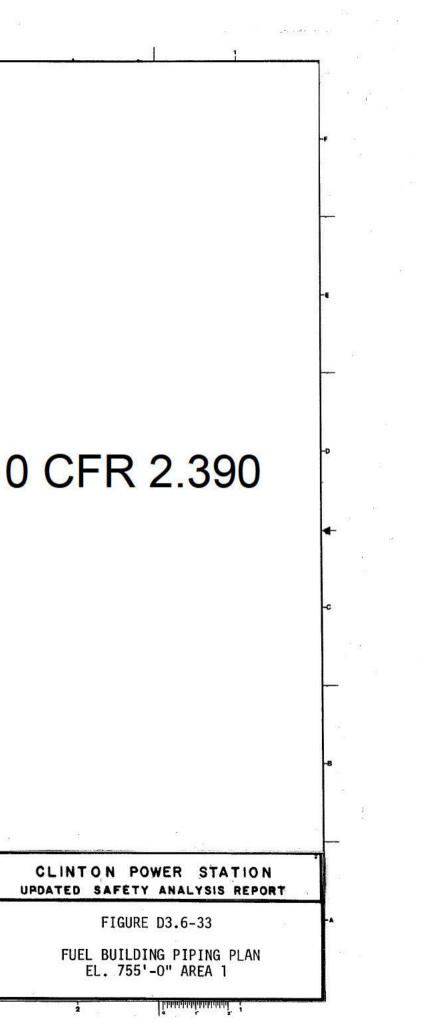
FIGURE D3.6-31

FUEL BUILDING PIPING PLAN EL. 737'-O" AREA 7

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

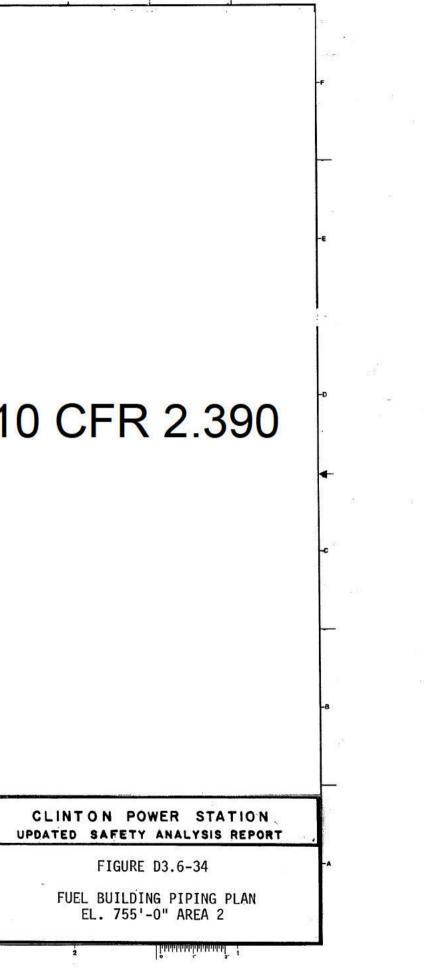
FIGURE D3.6-32

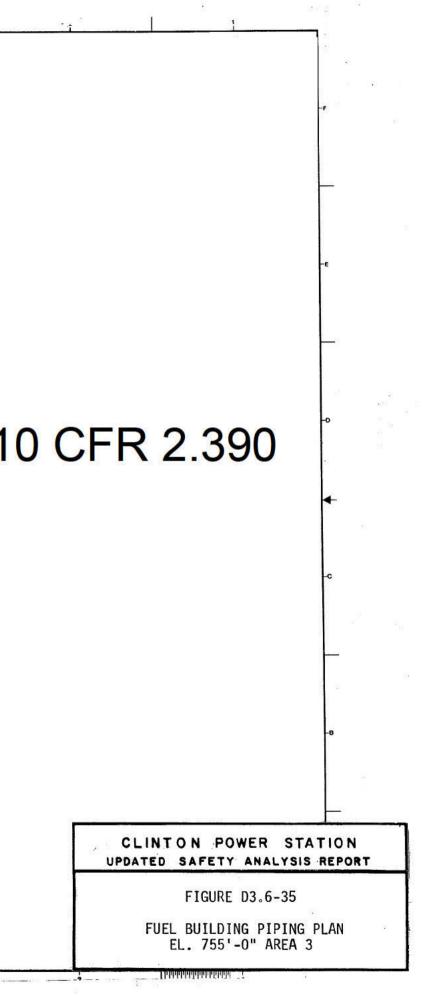
FUEL BUILDING PIPING PLAN EL. 737'-O" AREA 8

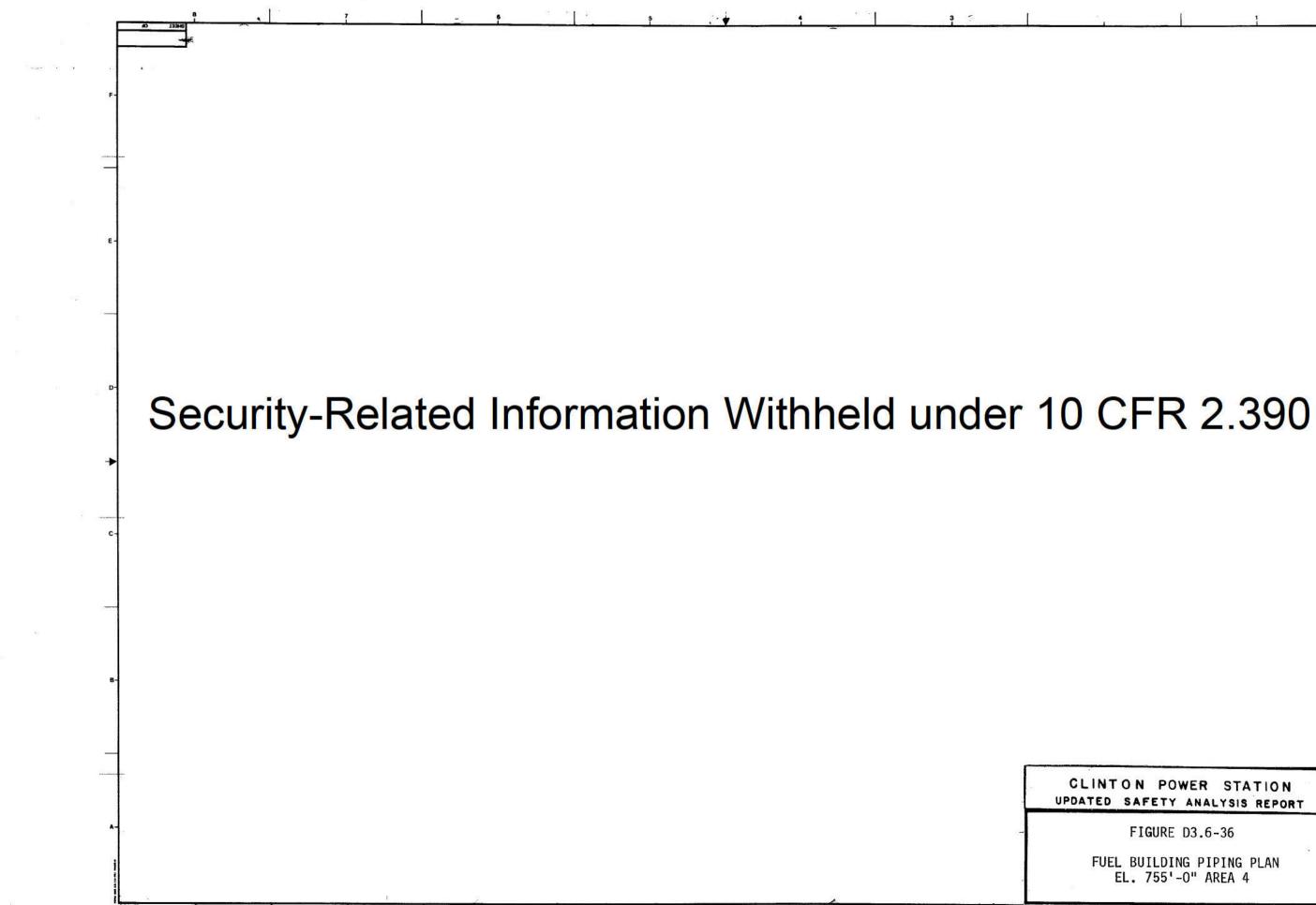




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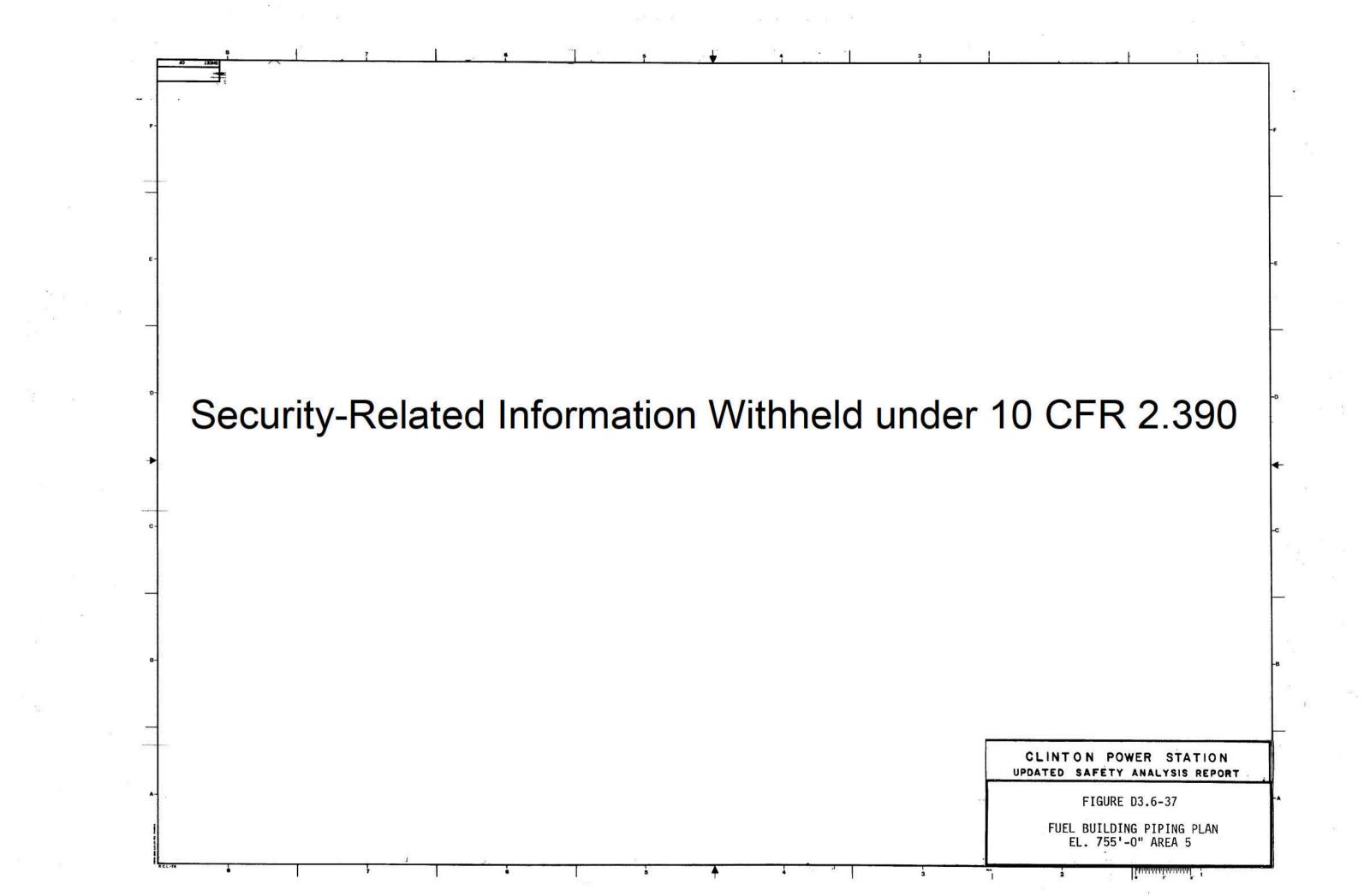


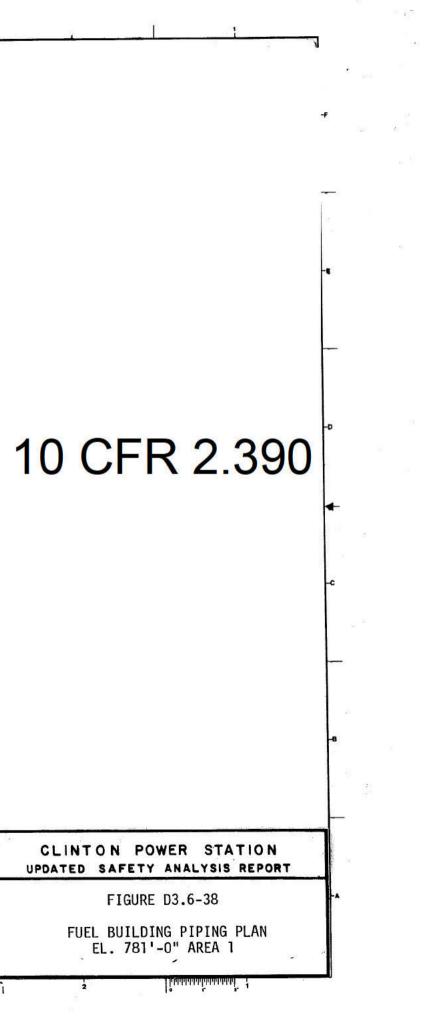


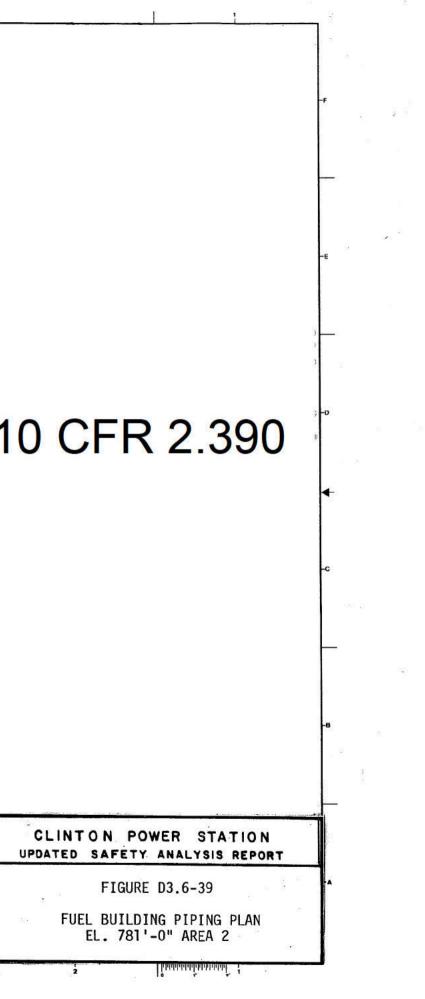
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-36

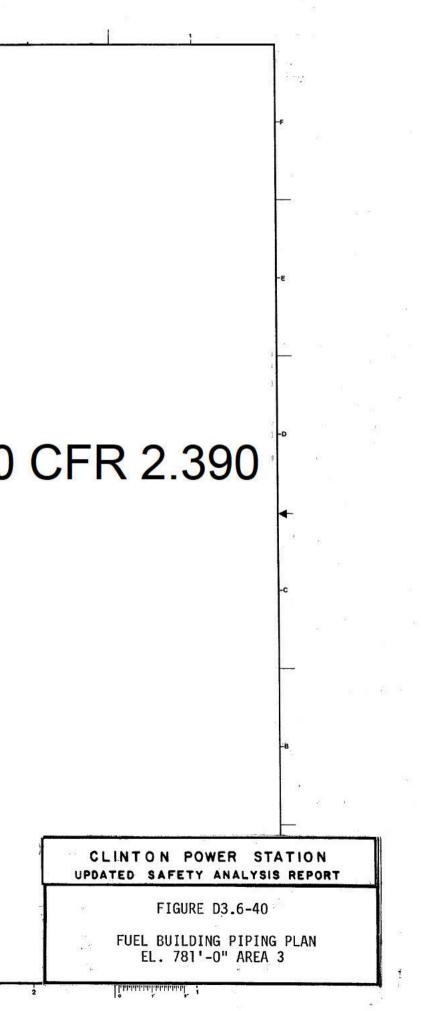
FUEL BUILDING PIPING PLAN EL. 755'-O" AREA 4

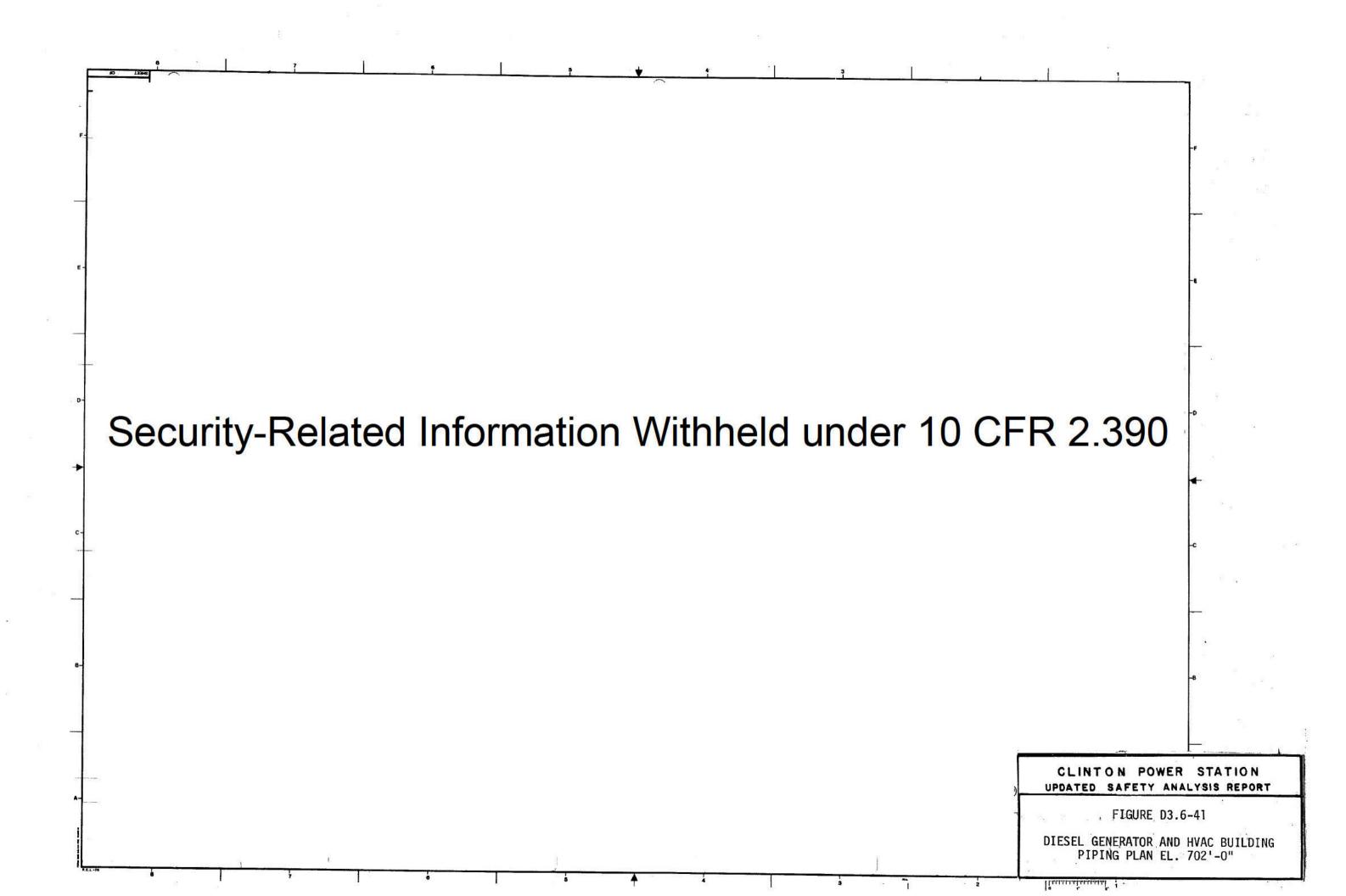


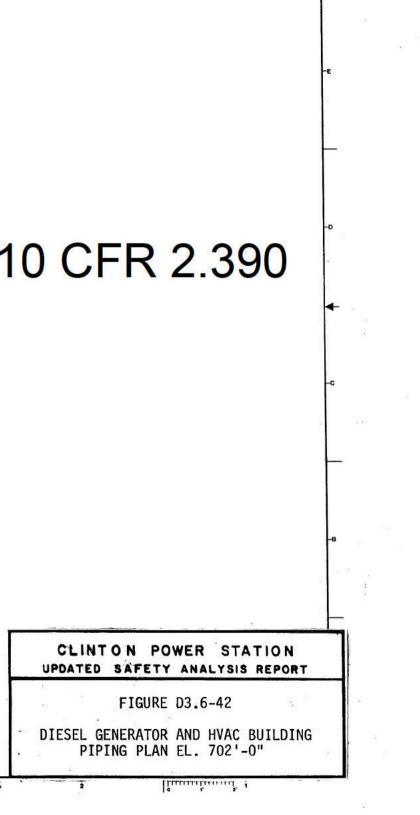


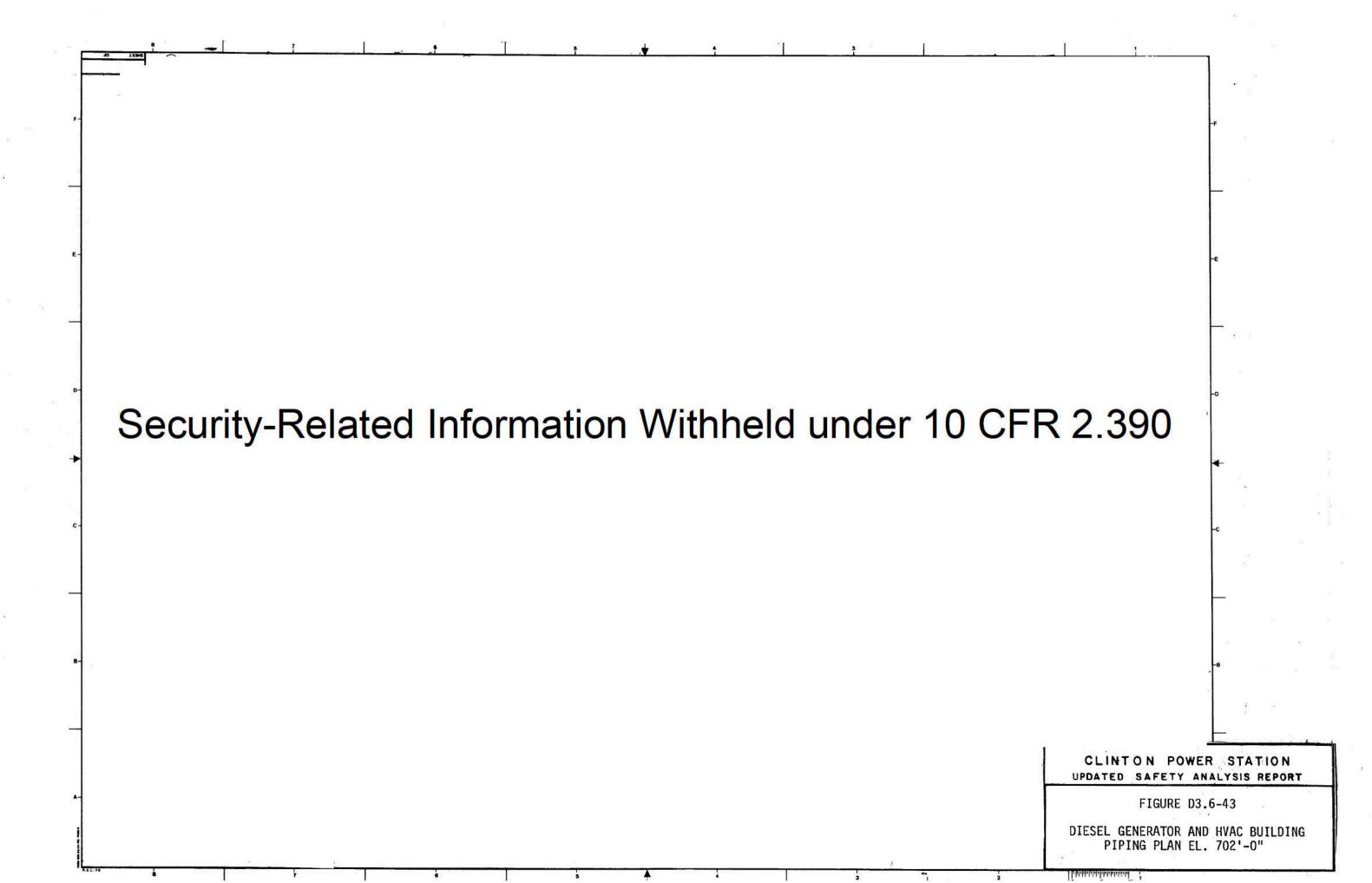


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CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE D3.6-44

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

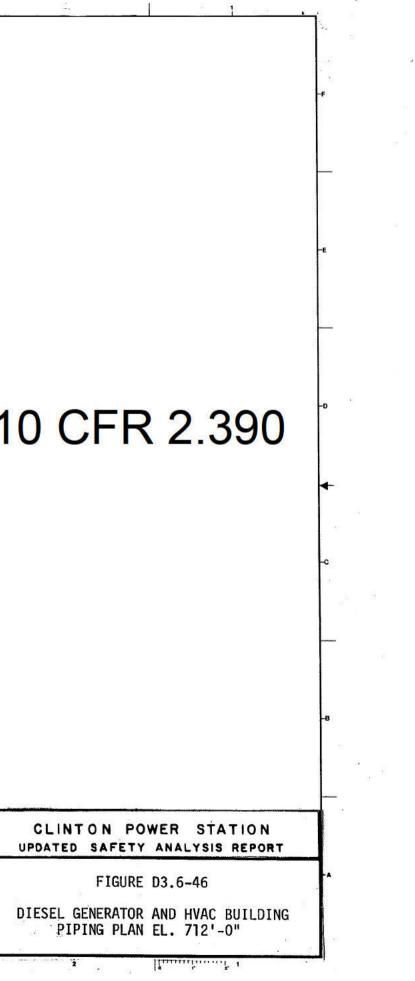
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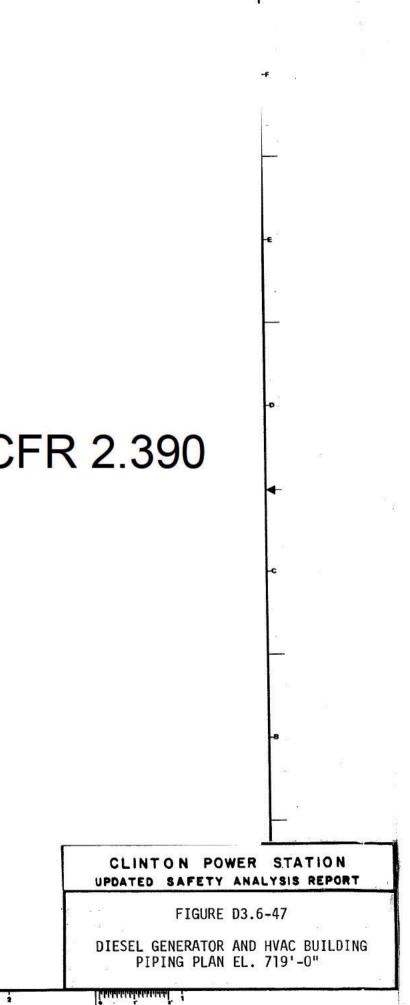
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

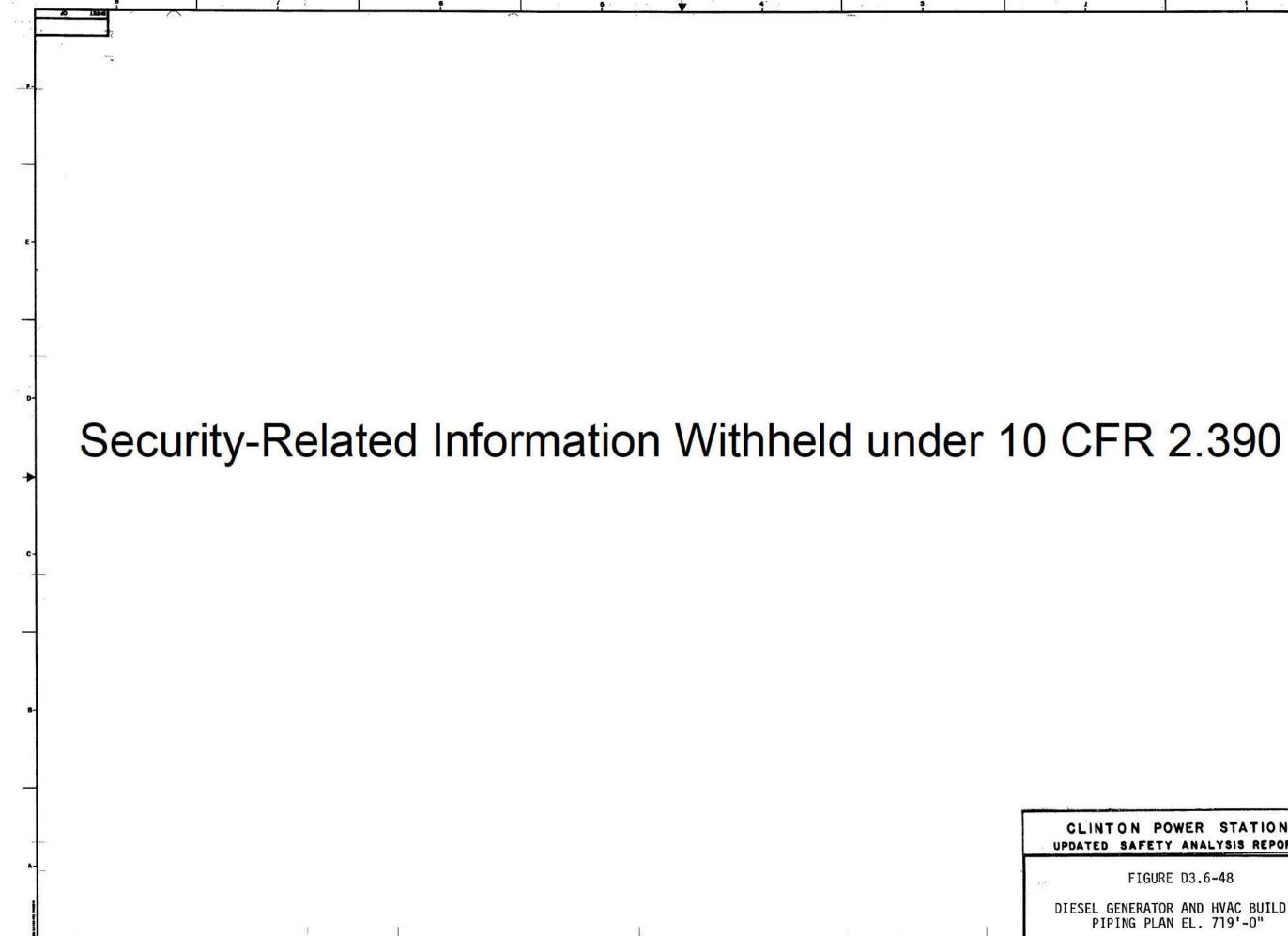
FIGURE D3.6-45

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

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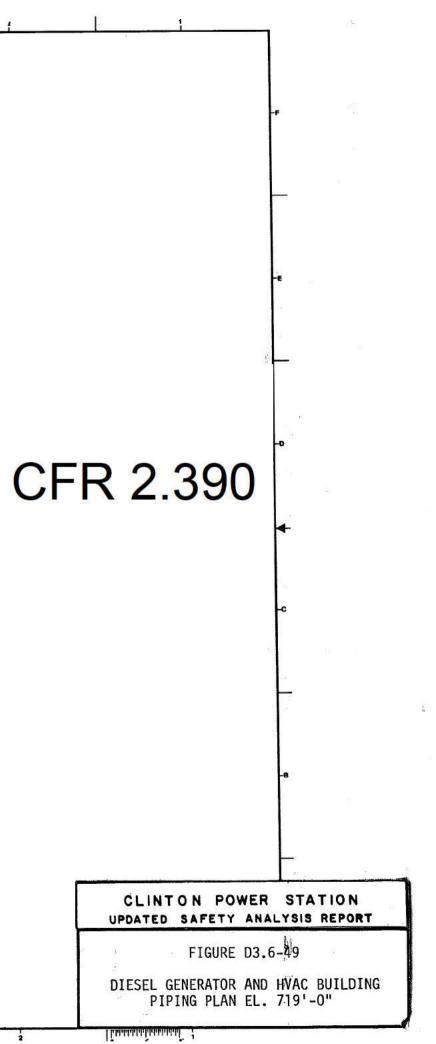


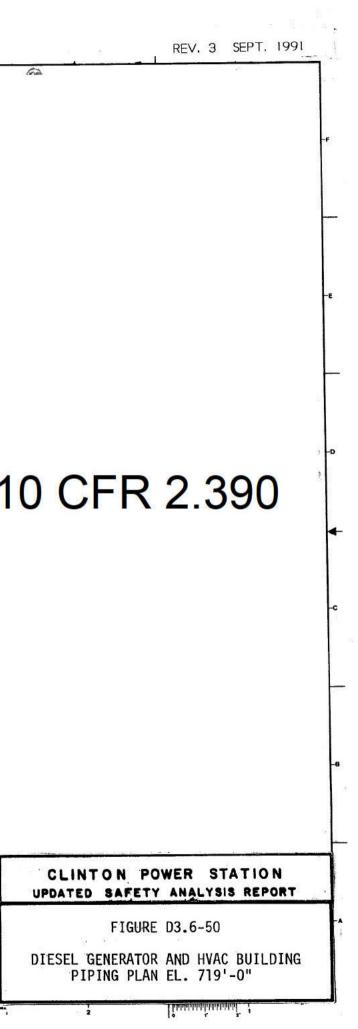
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

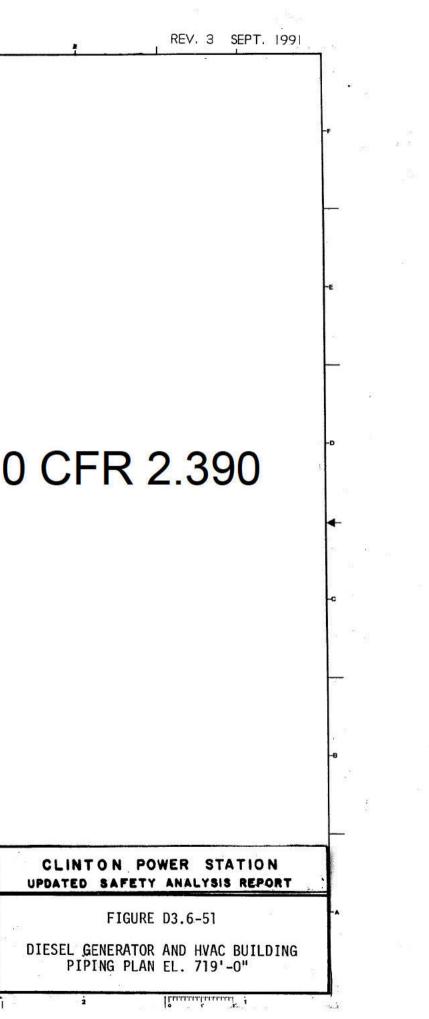
FIGURE D3.6-48

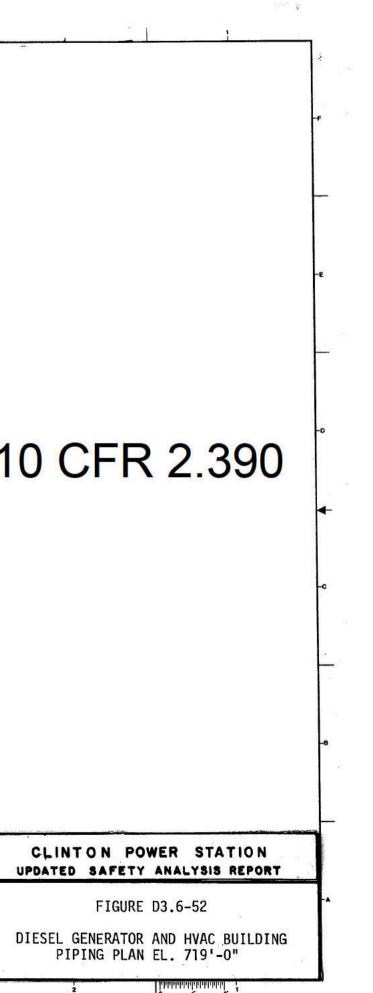
DIESEL GENERATOR AND HVAC BUILDING PIPING PLAN EL. 719'-0"

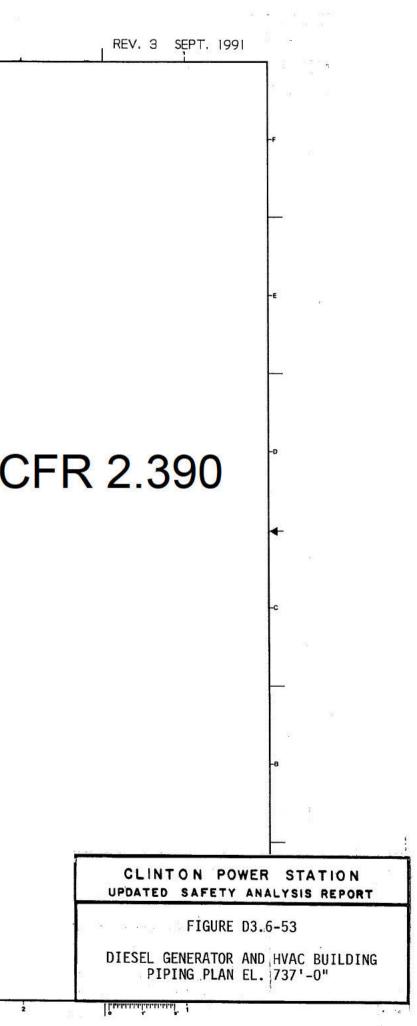
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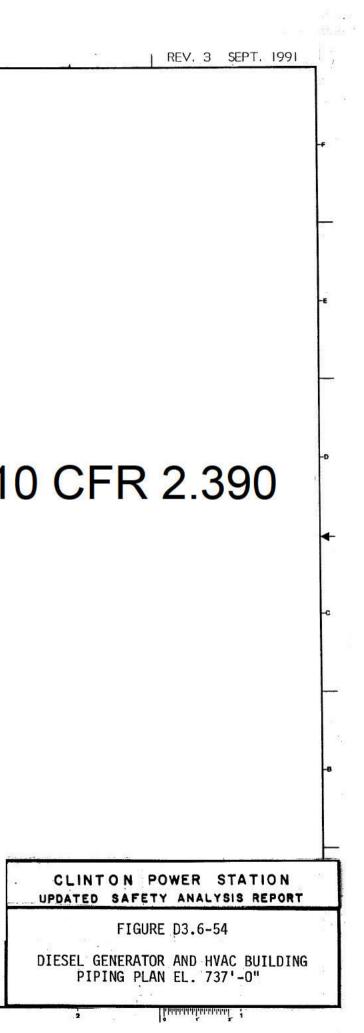


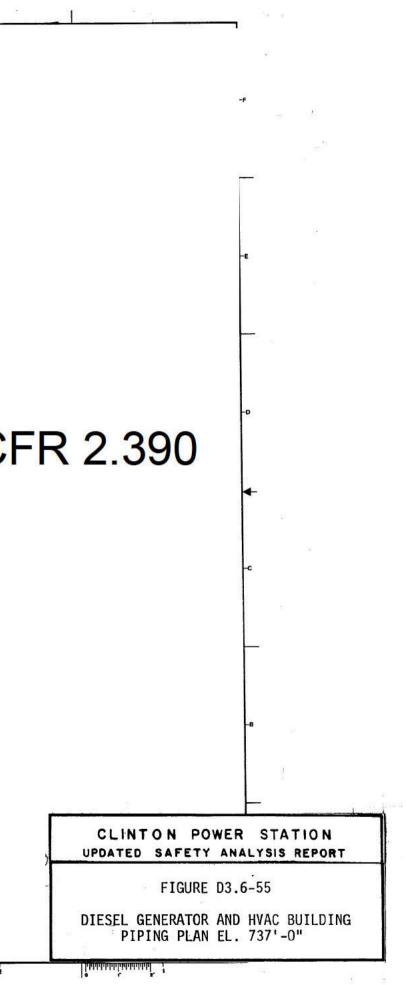


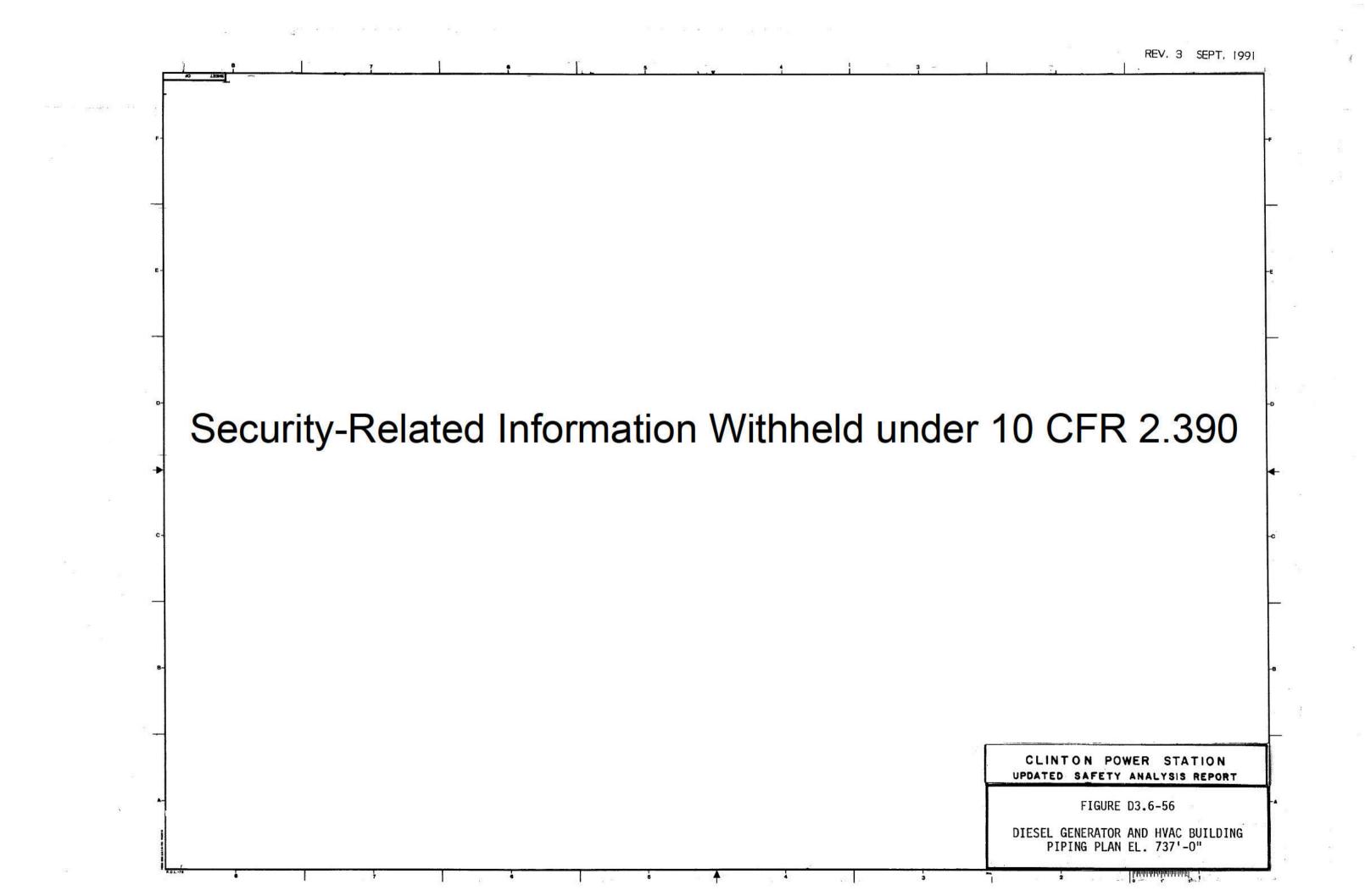


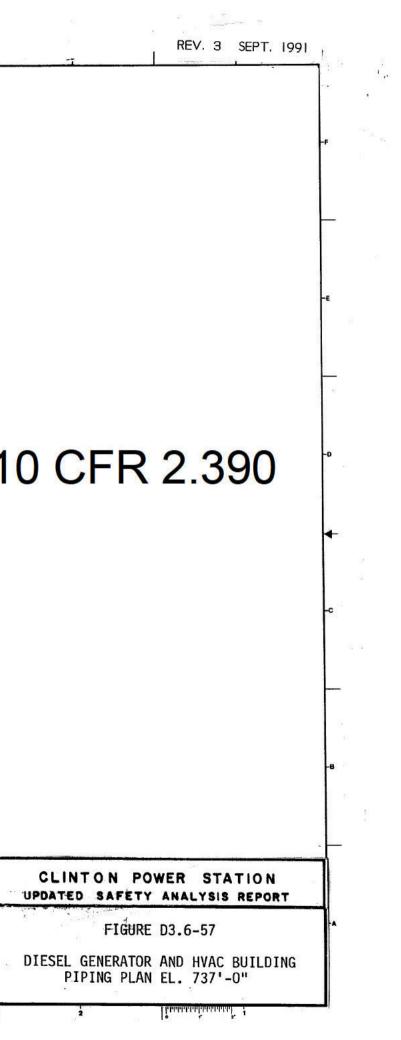


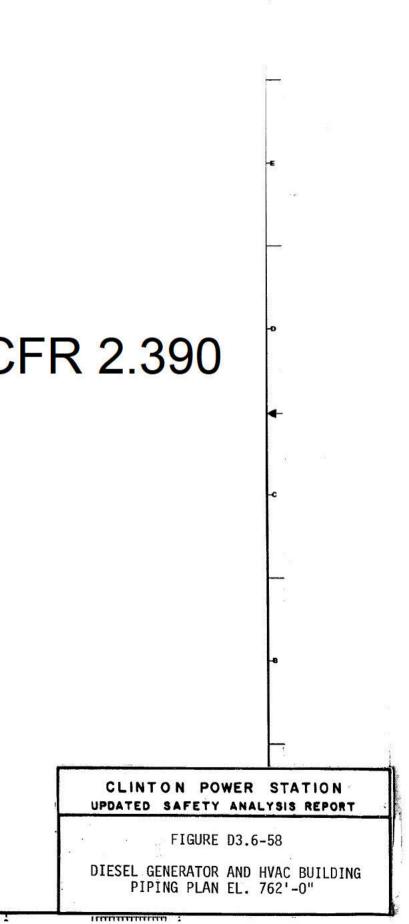


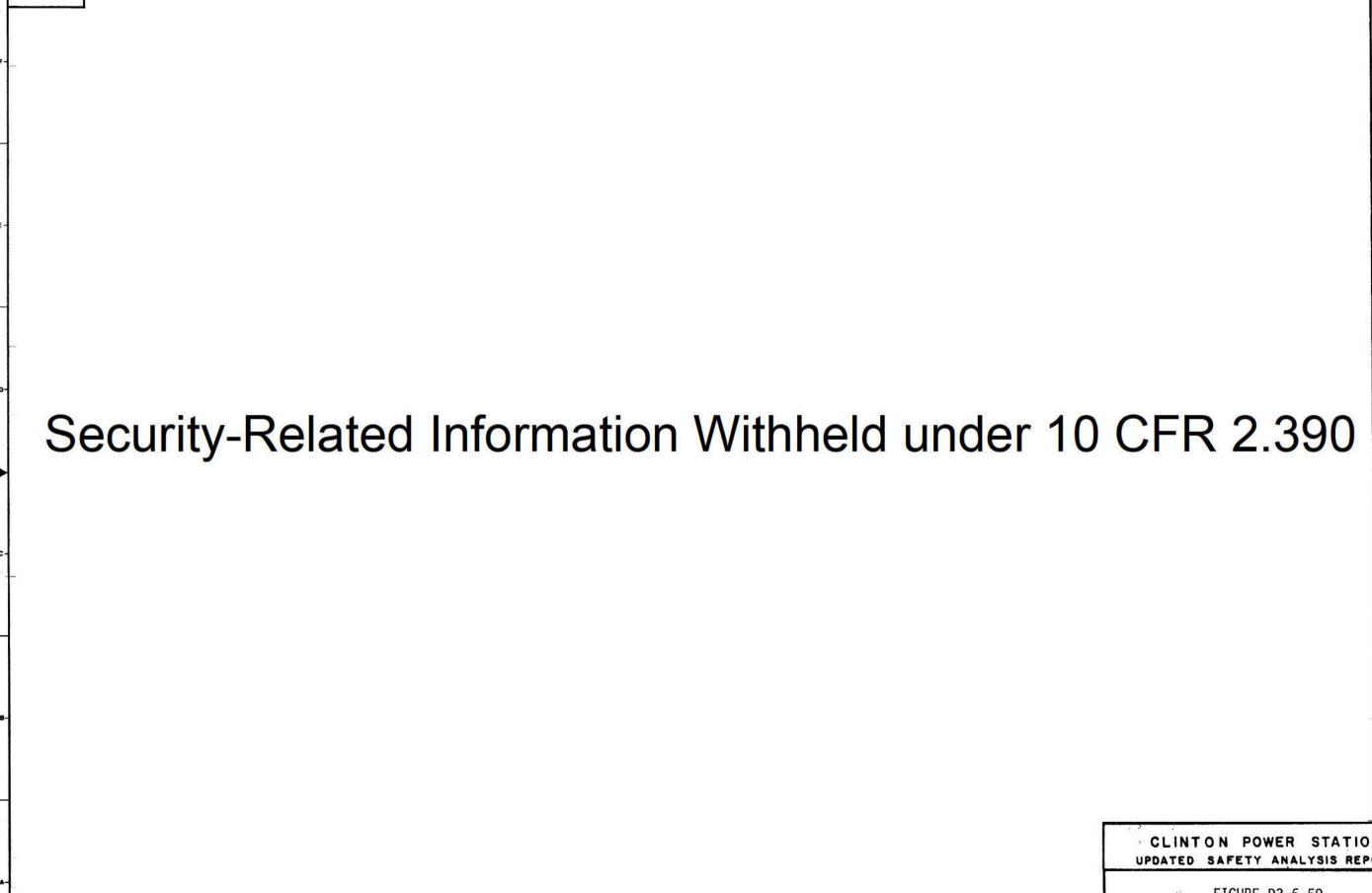










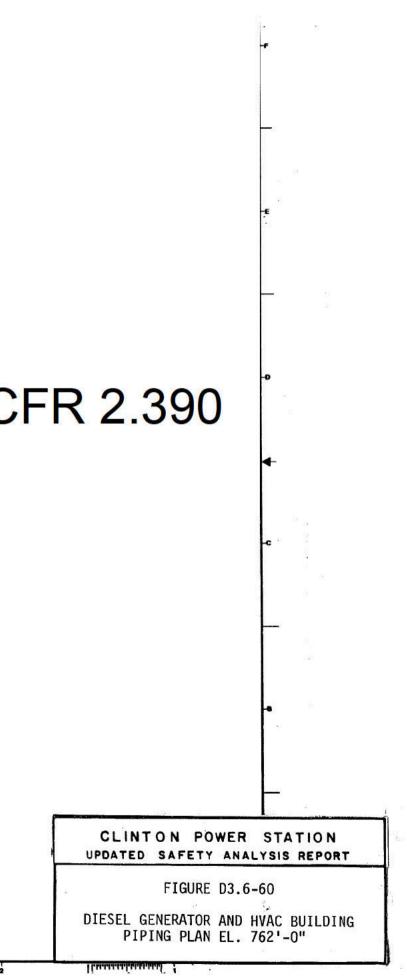


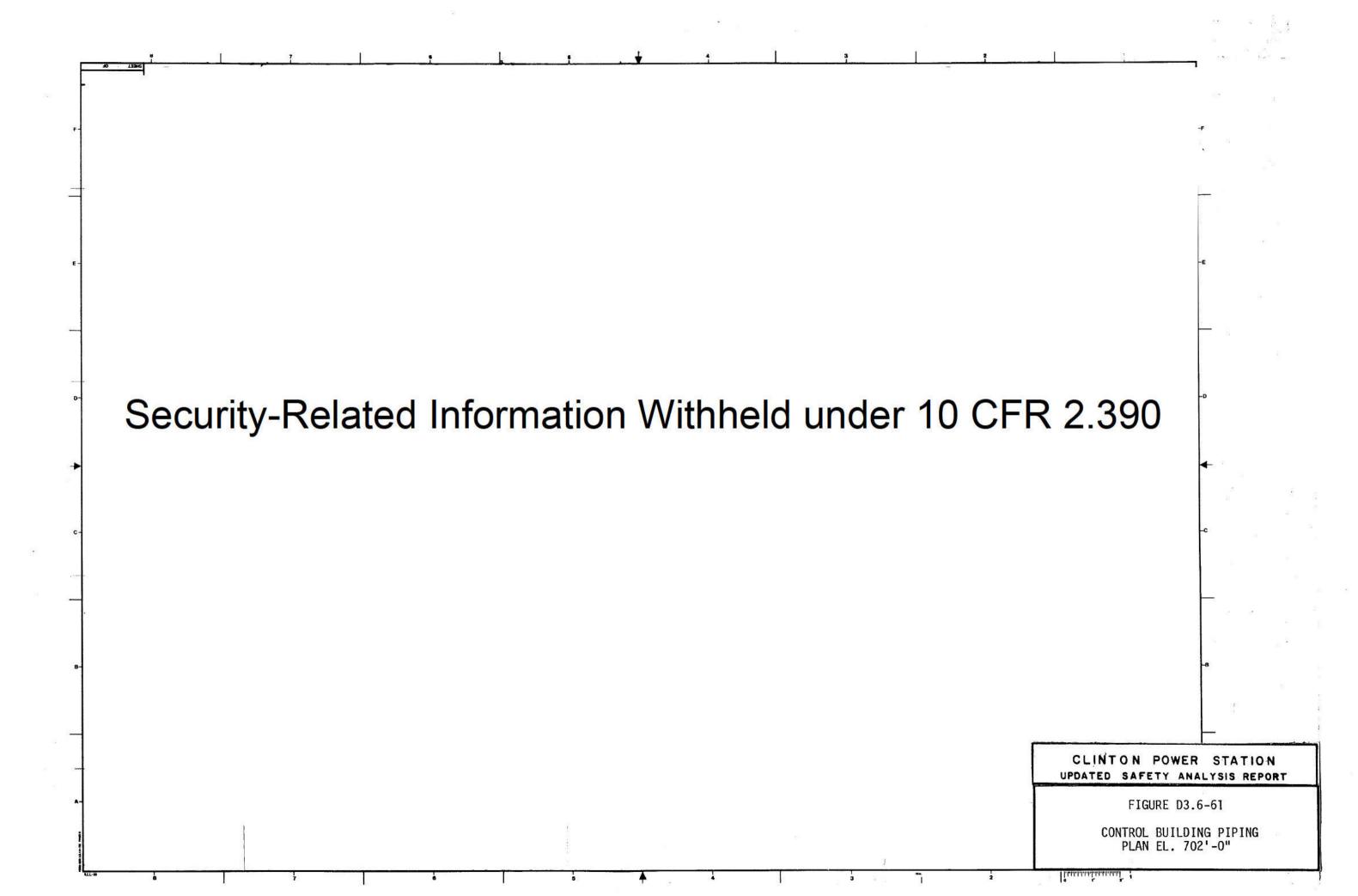
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

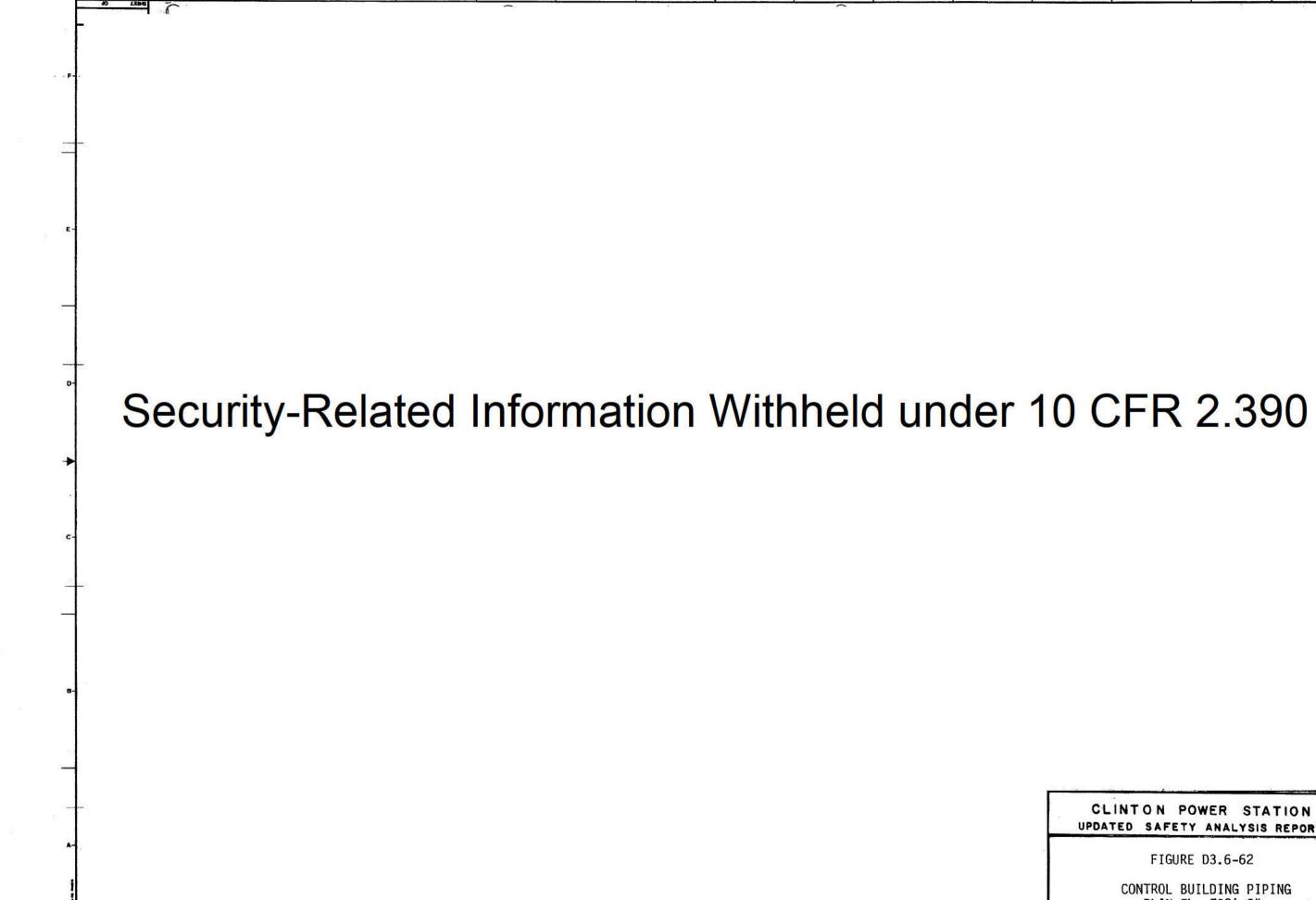
FIGURE D3.6-59

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

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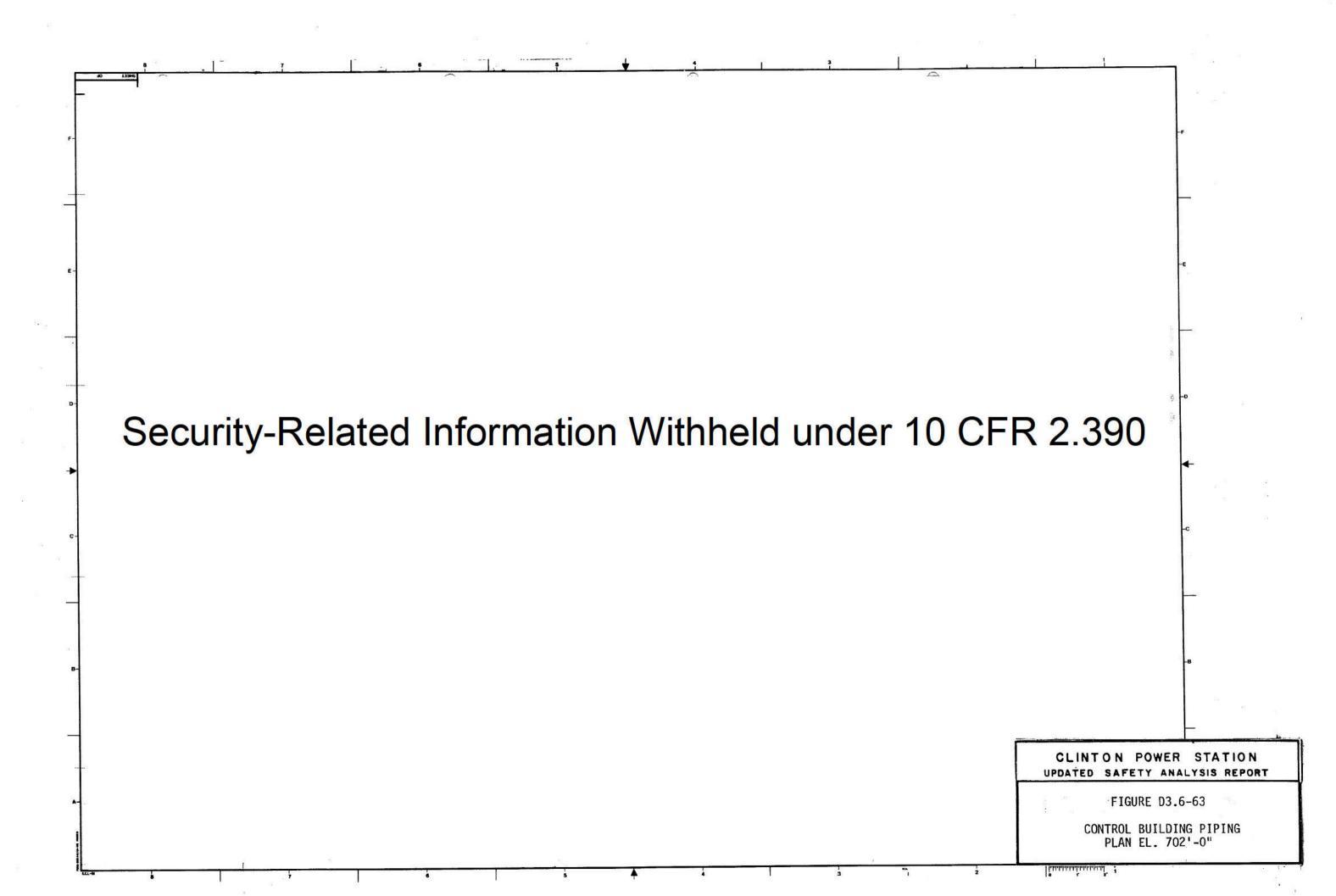
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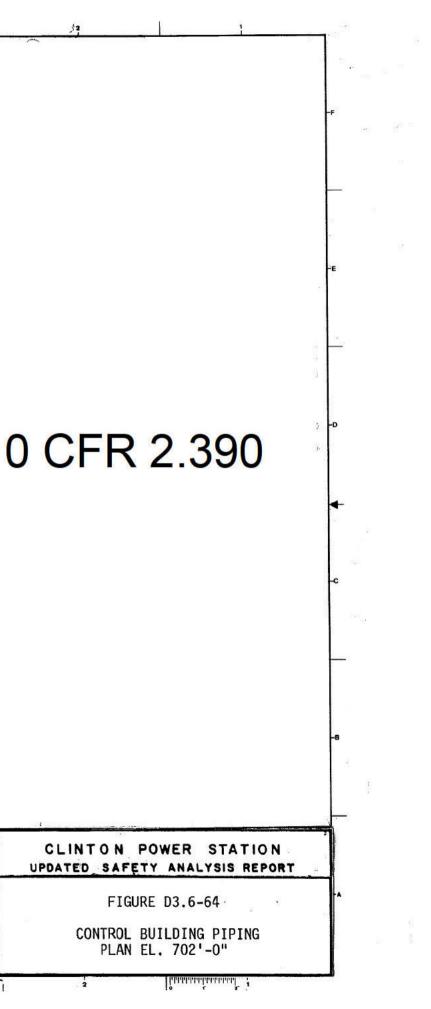
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

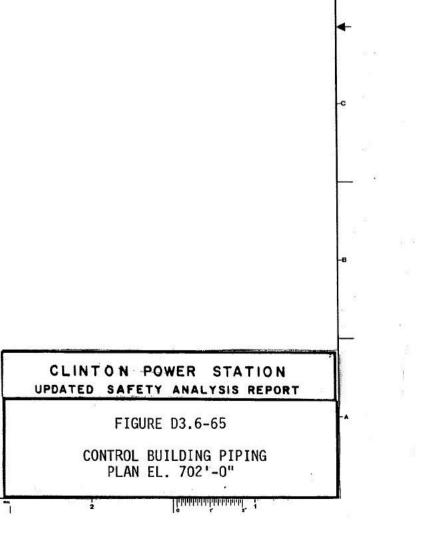
FIGURE D3.6-62

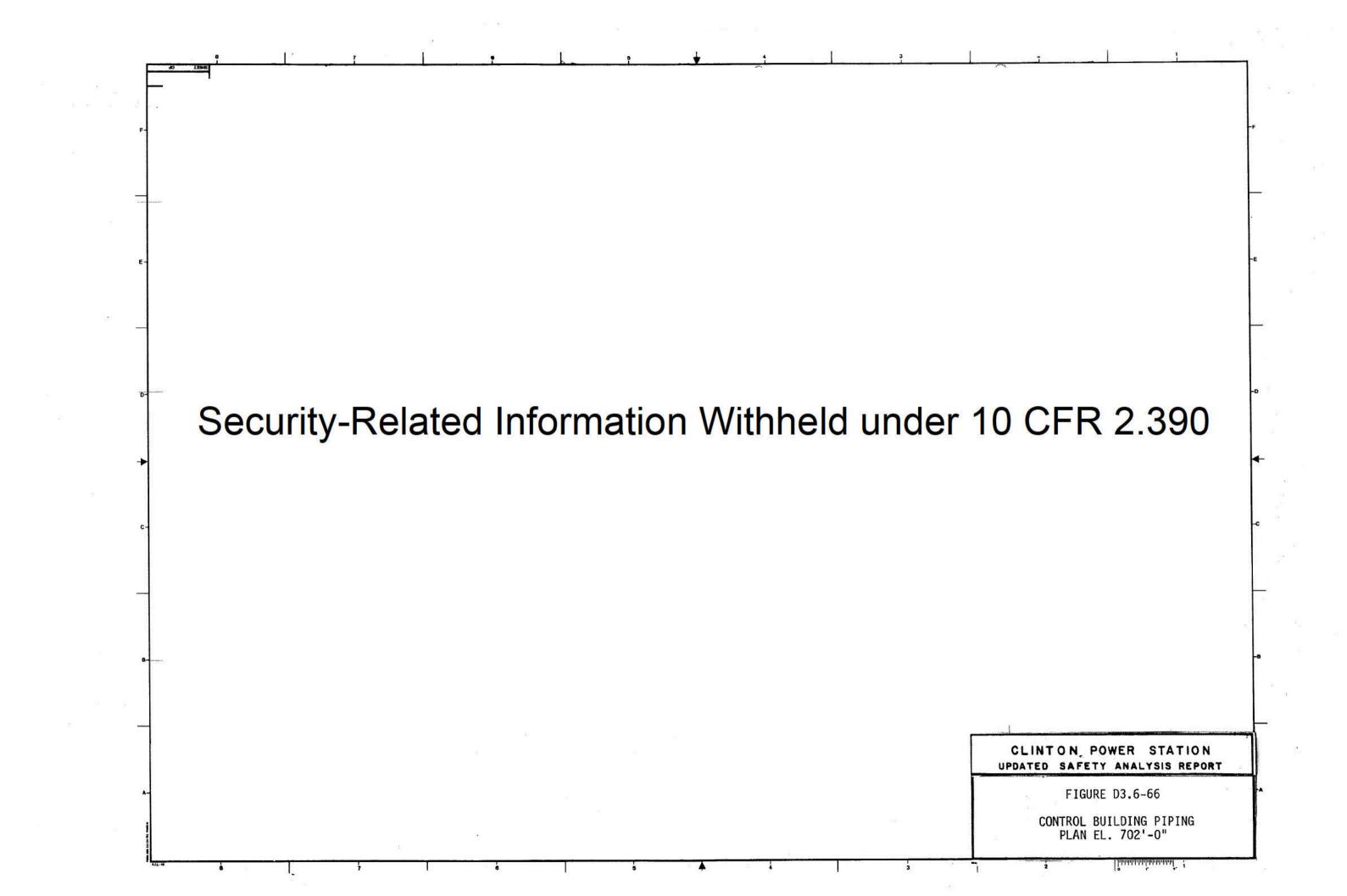
CONTROL BUILDING PIPING PLAN EL. 702'-0"

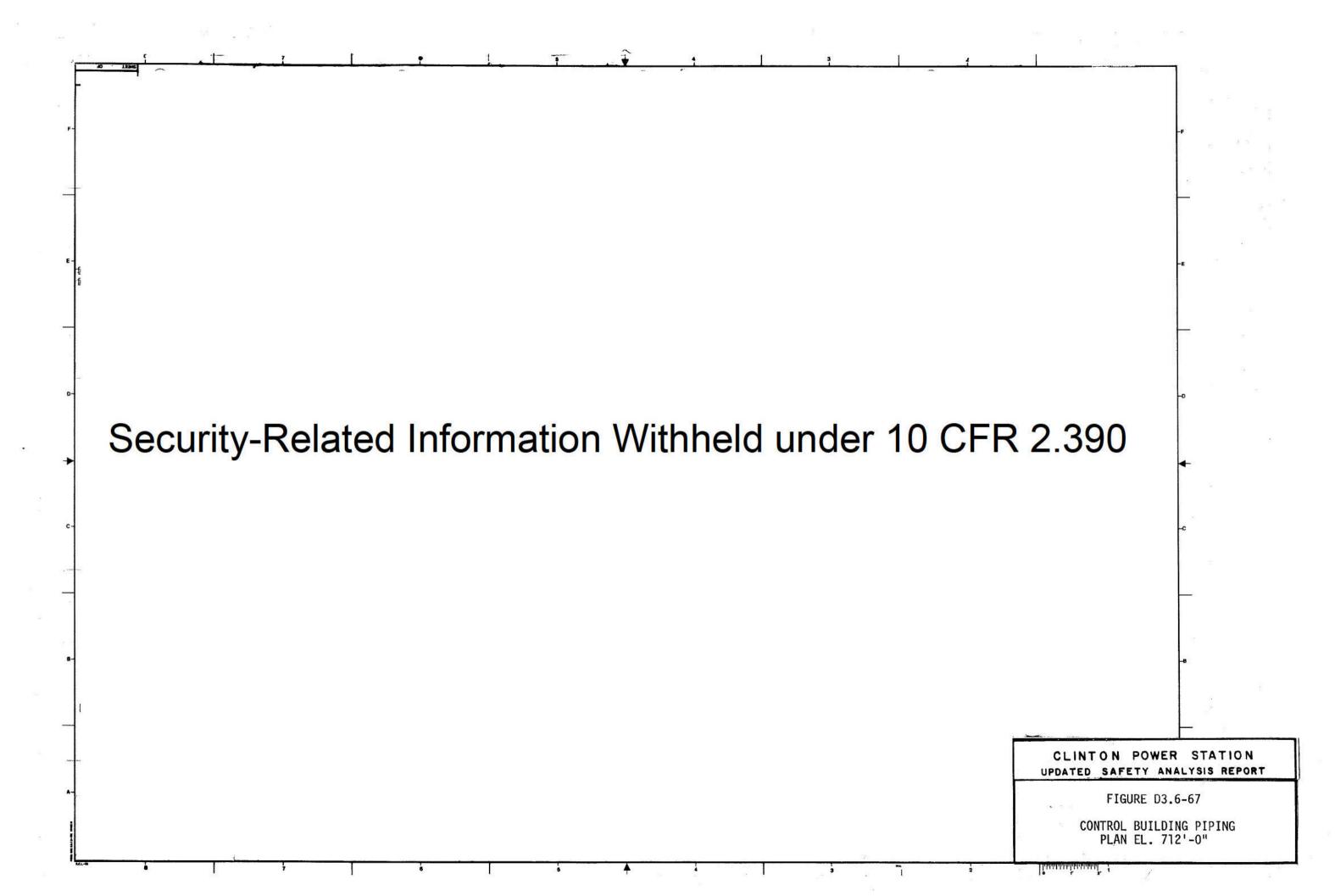
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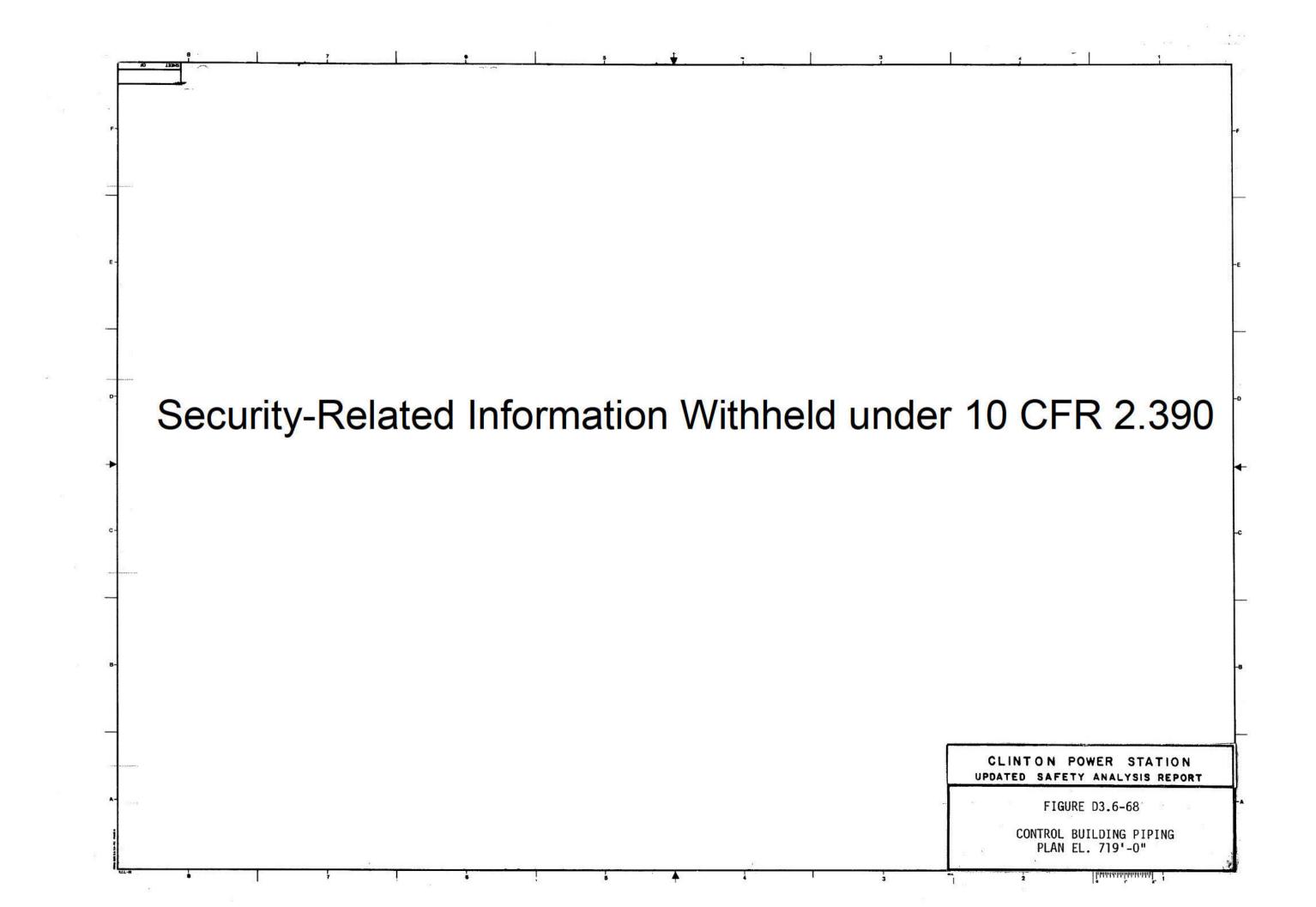


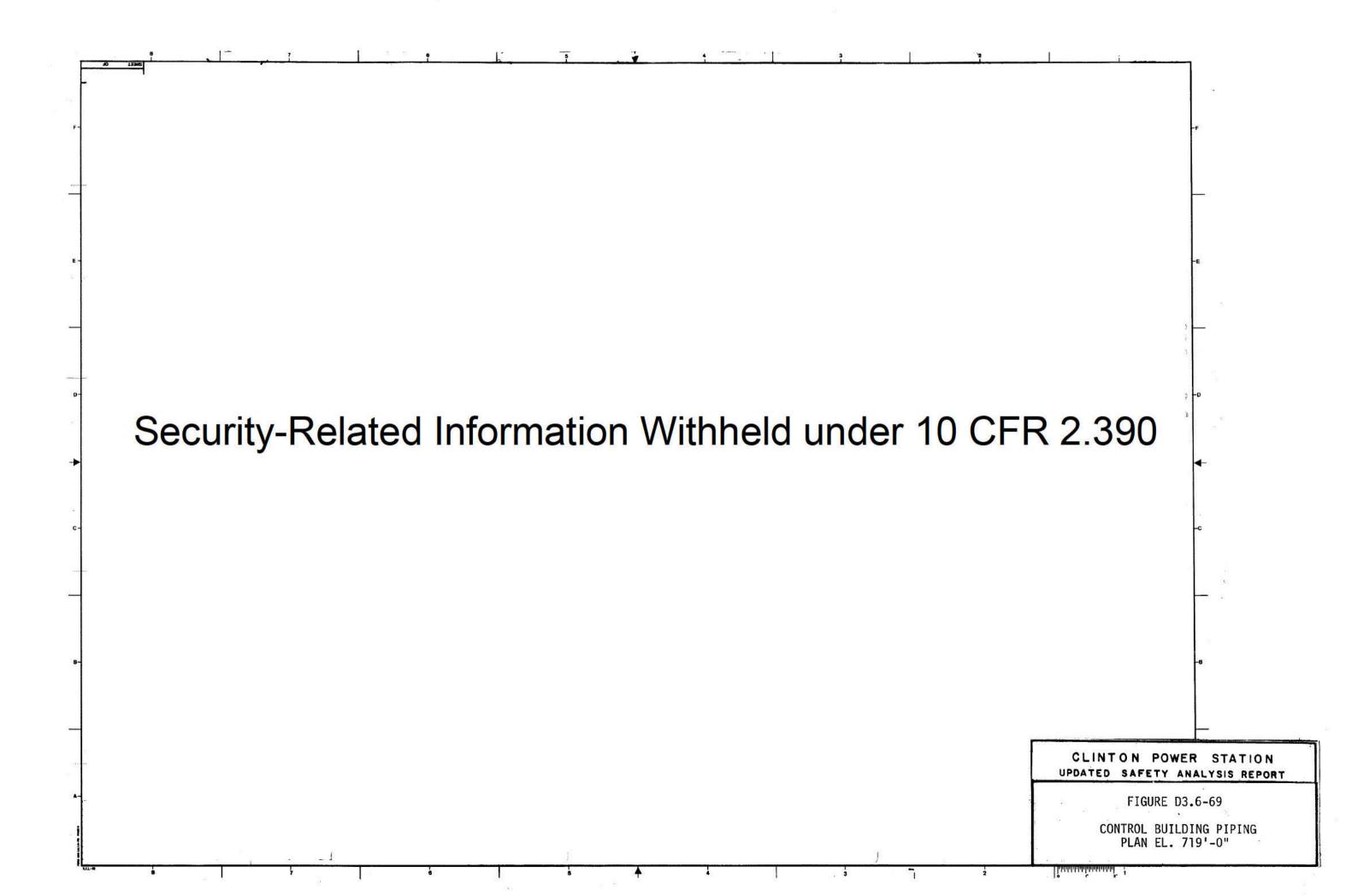


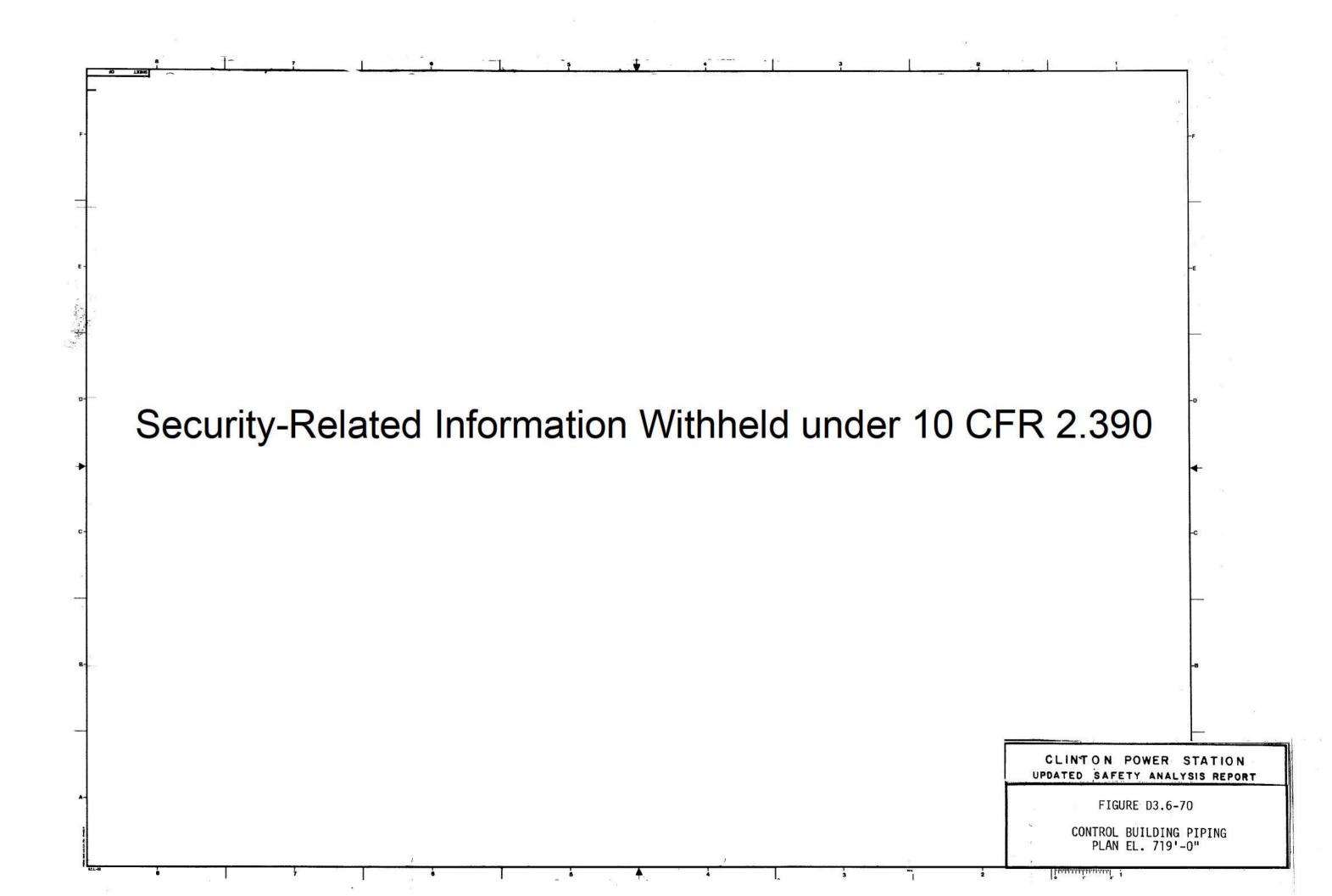


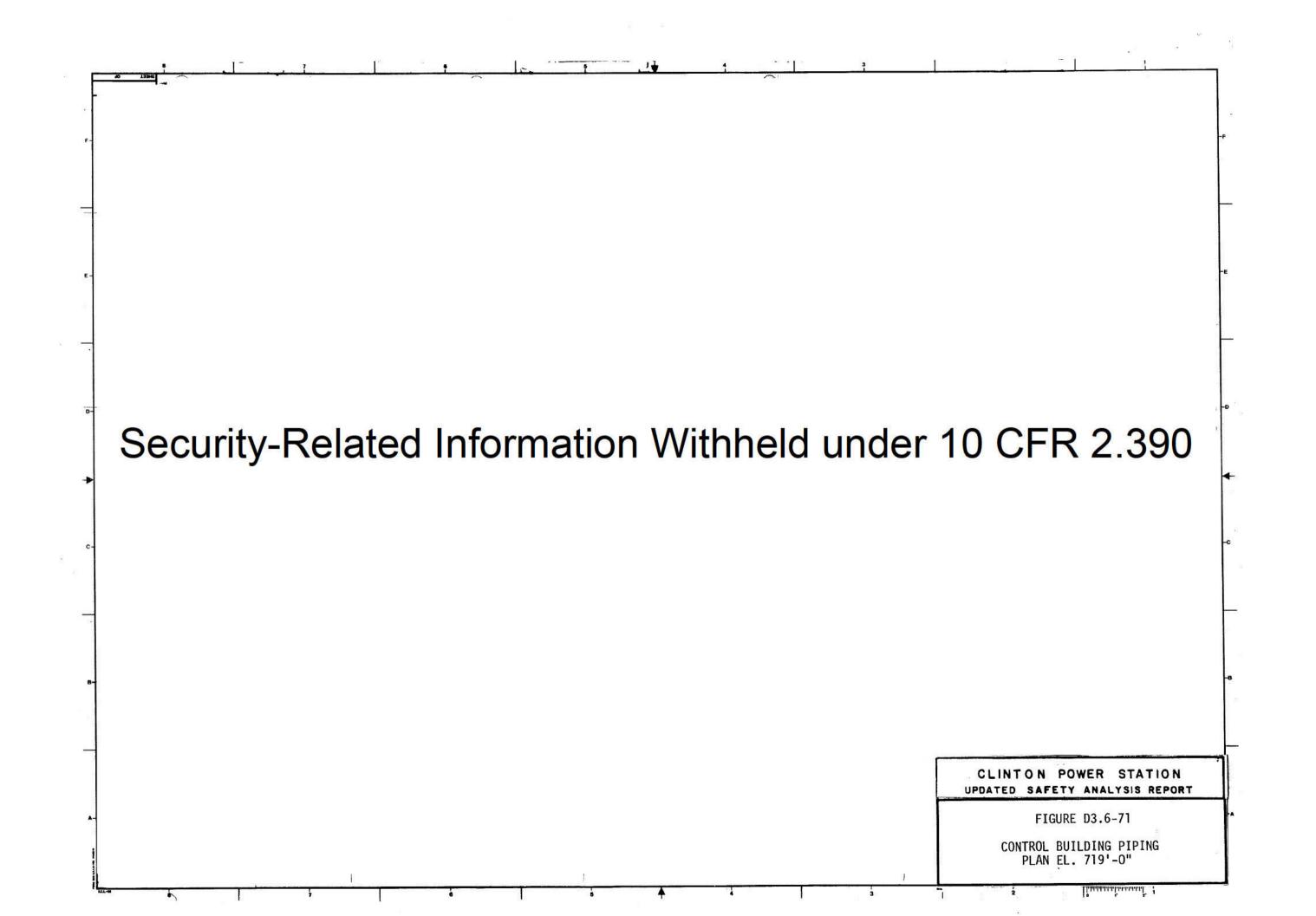


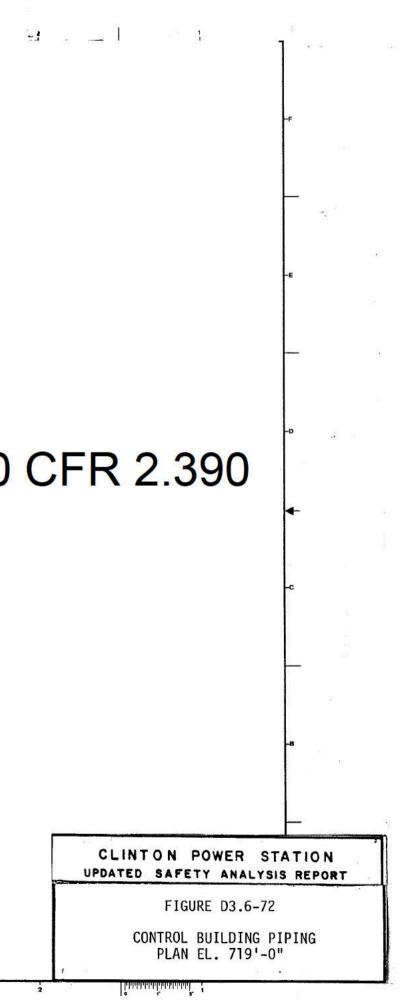


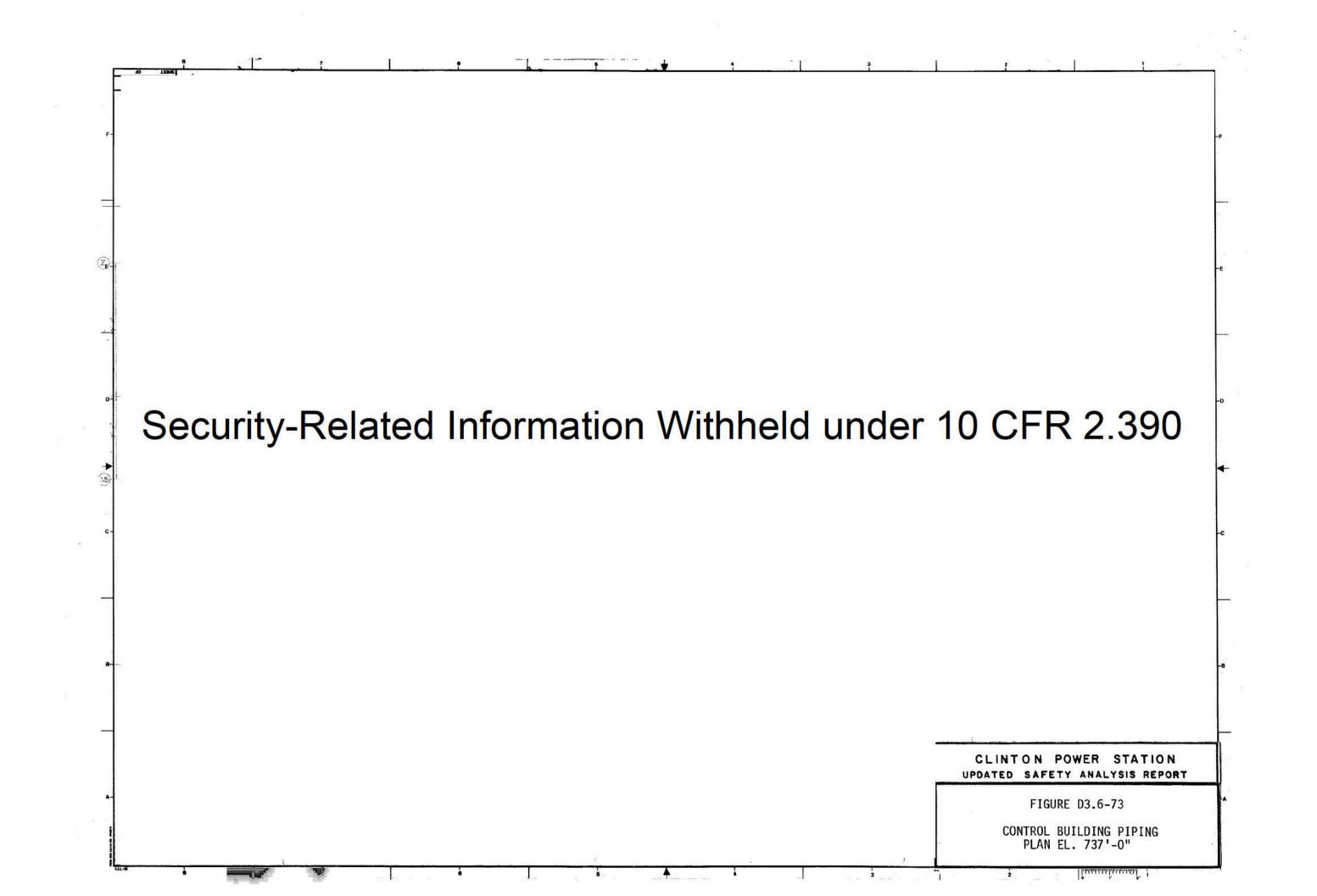


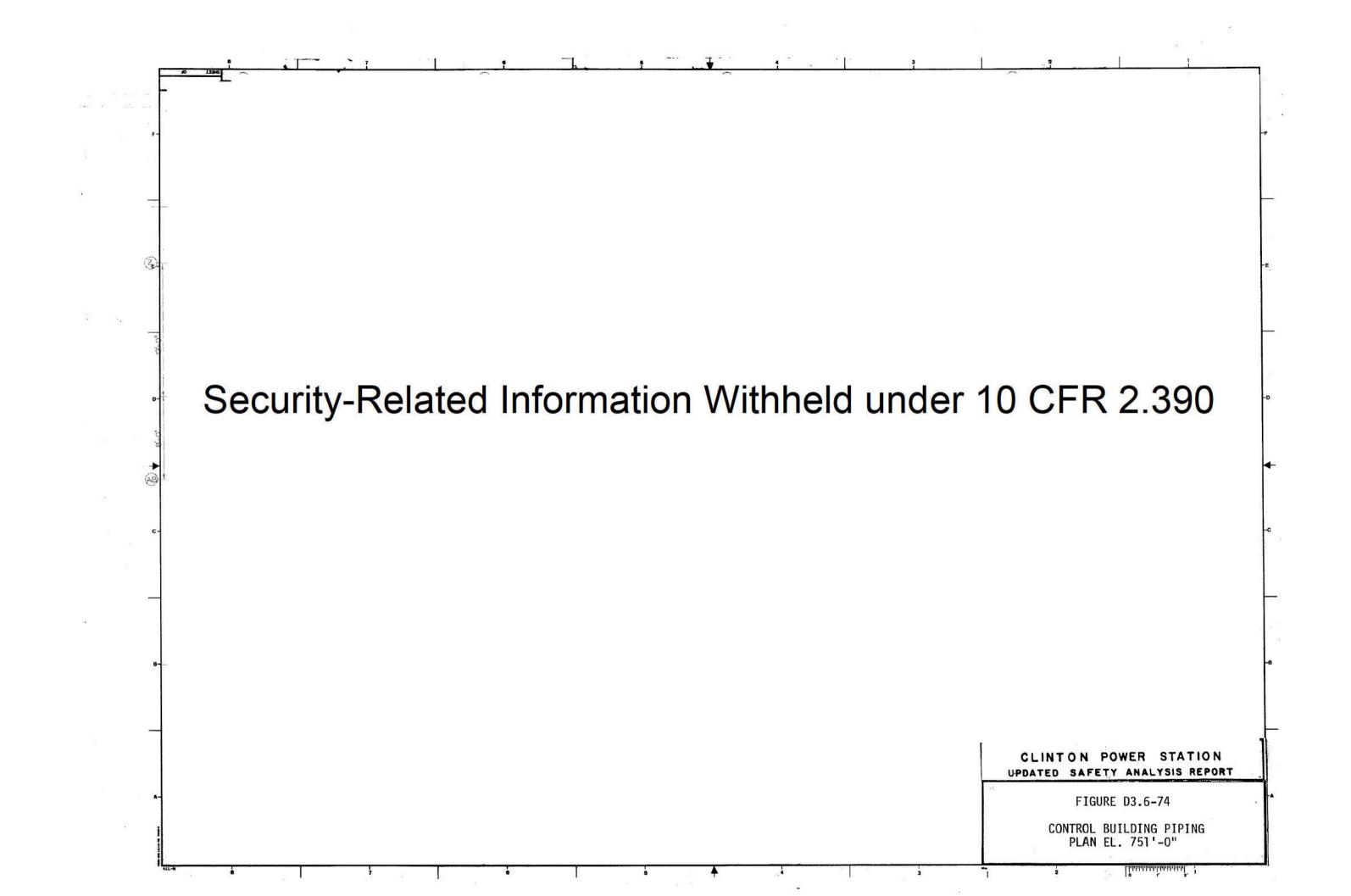


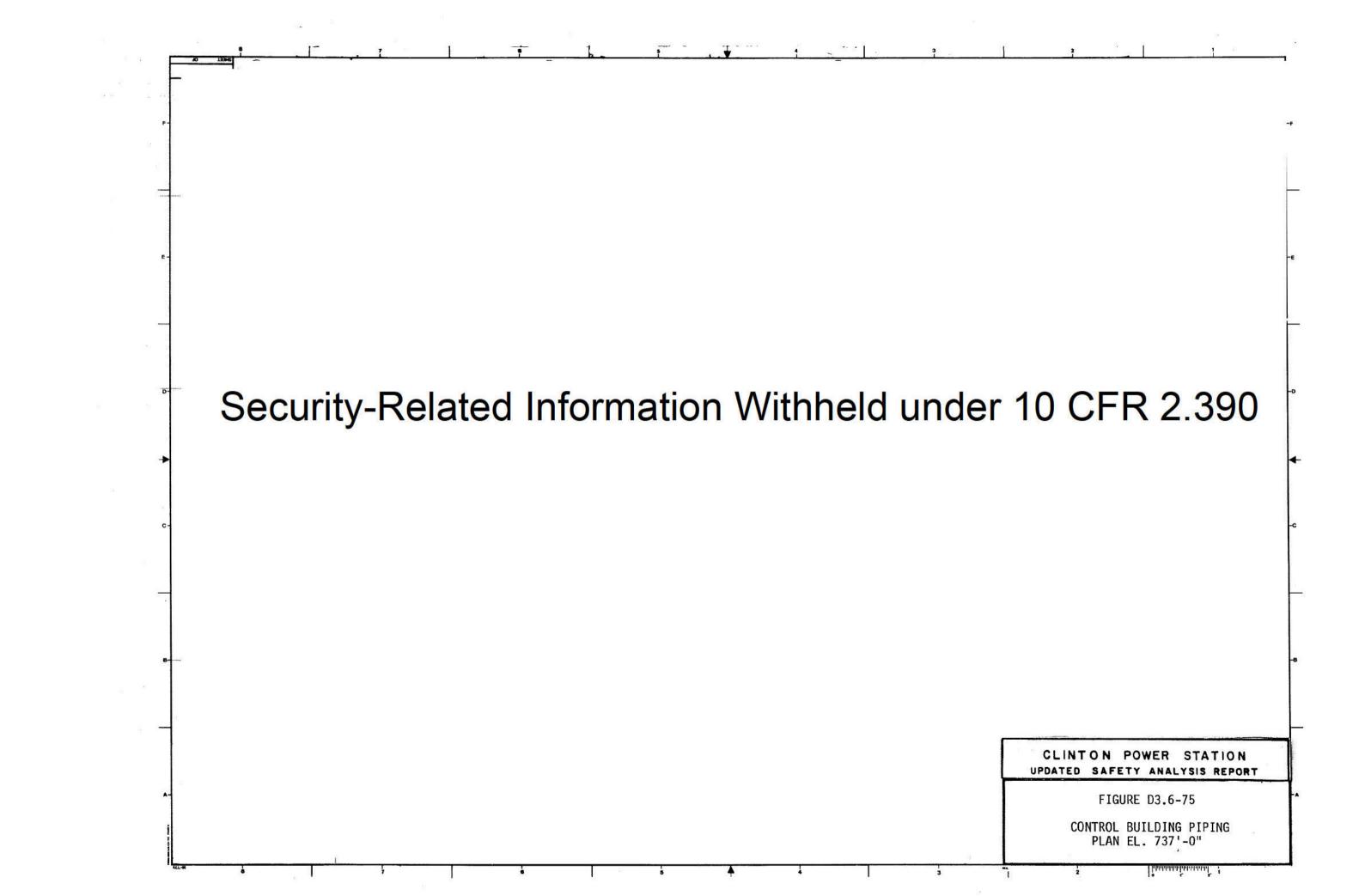


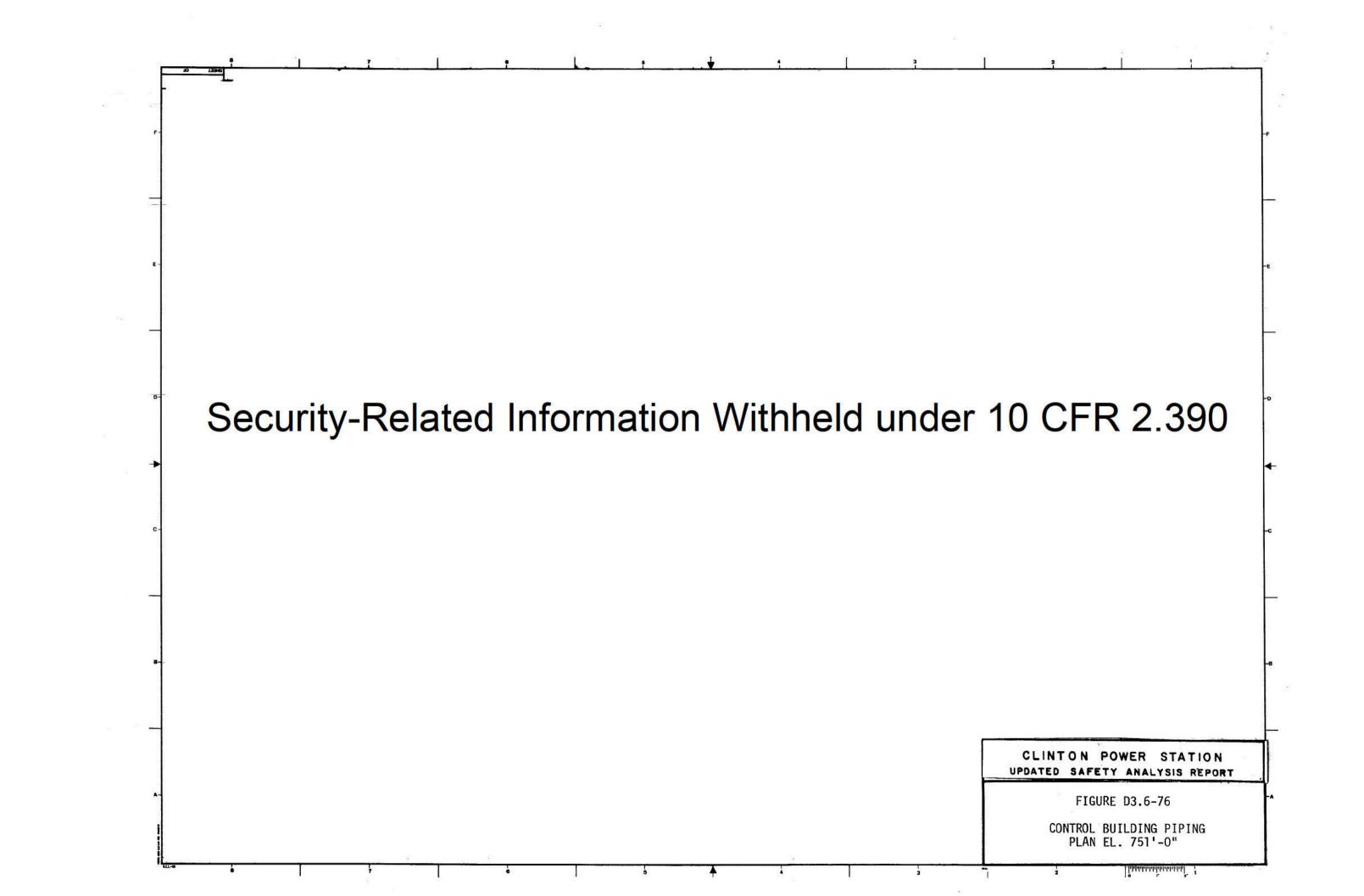


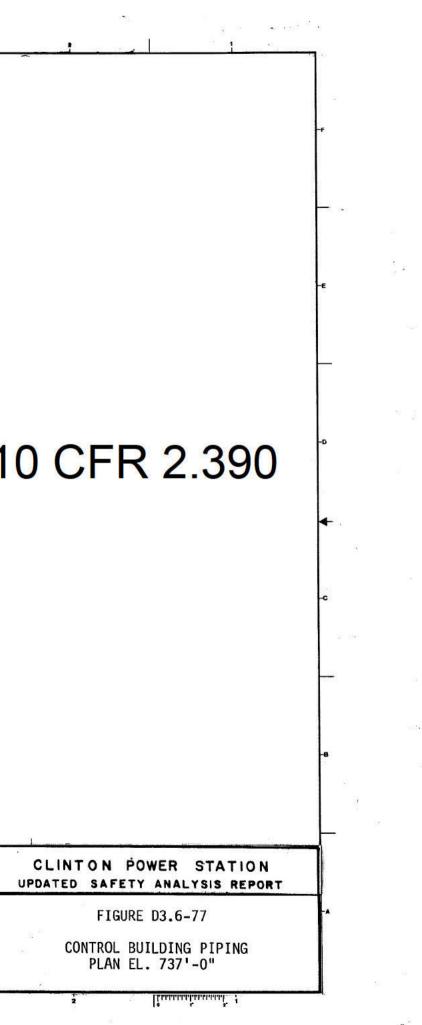


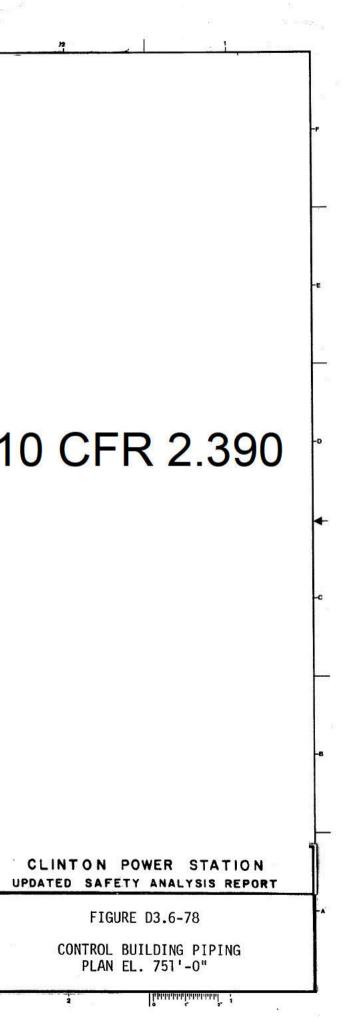


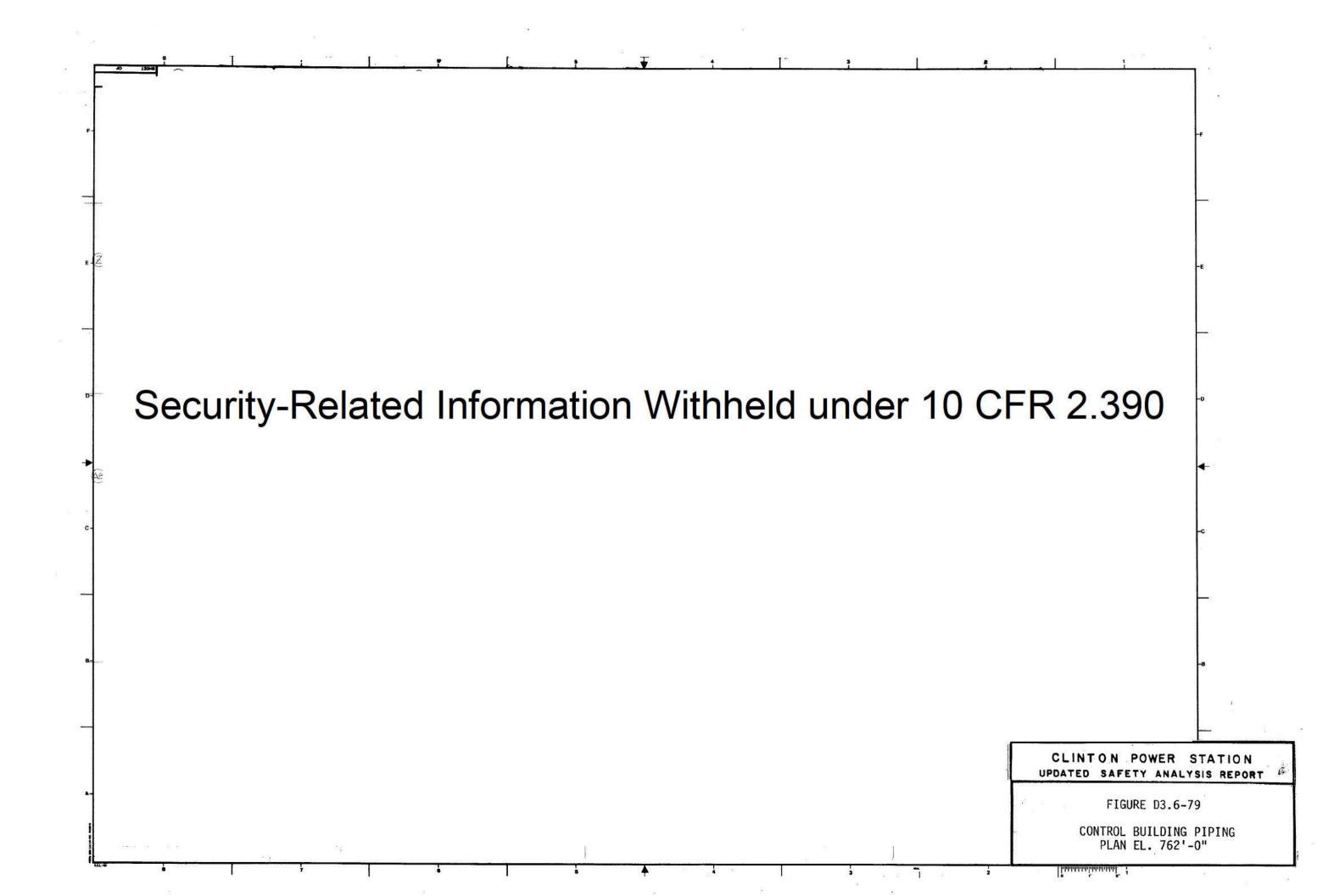


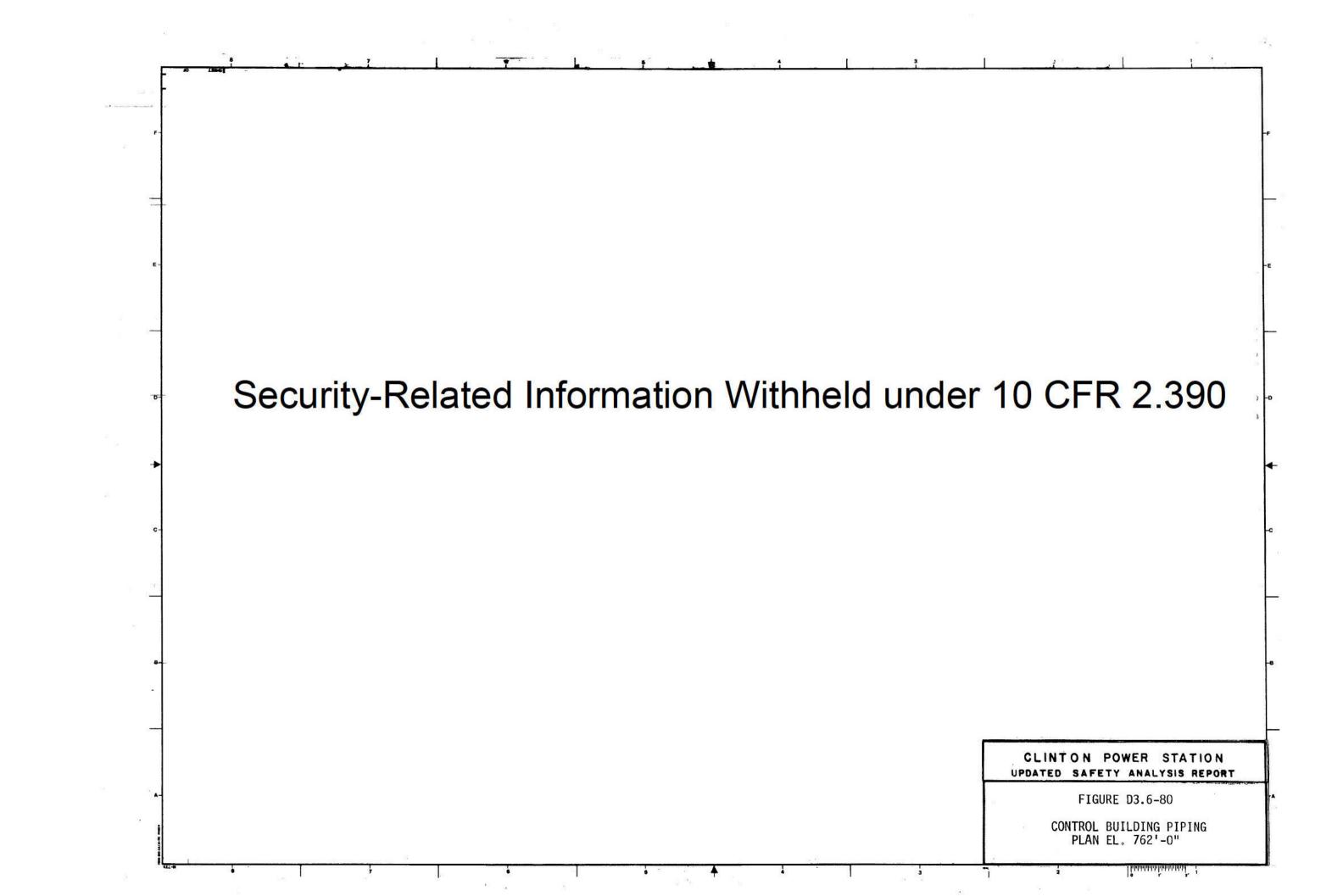


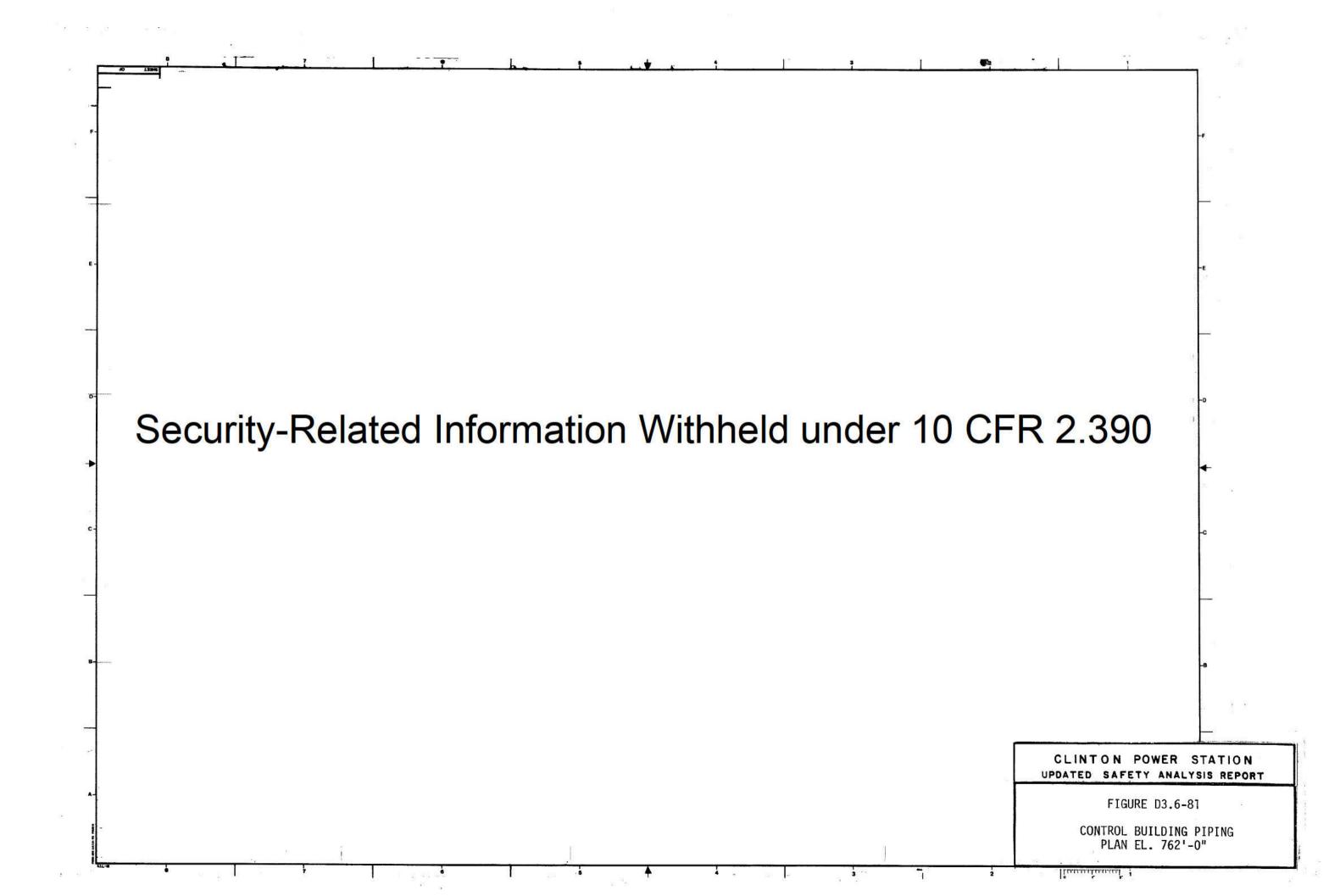


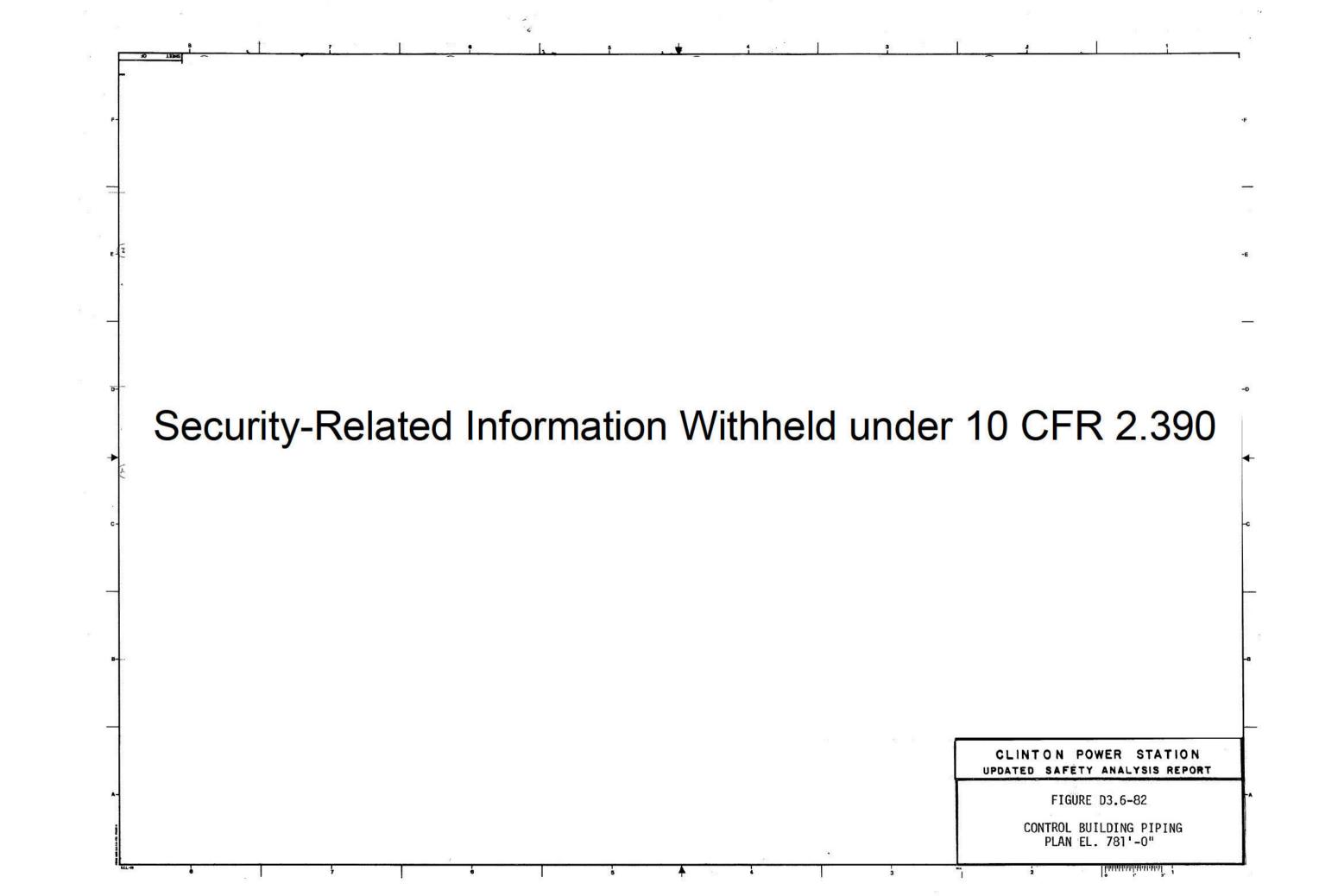


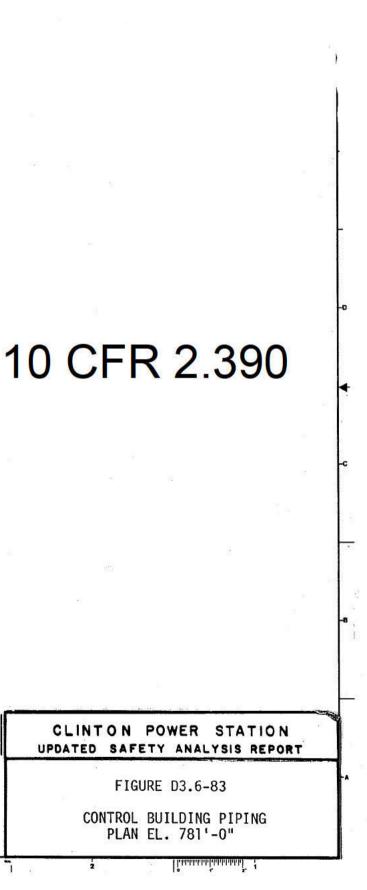




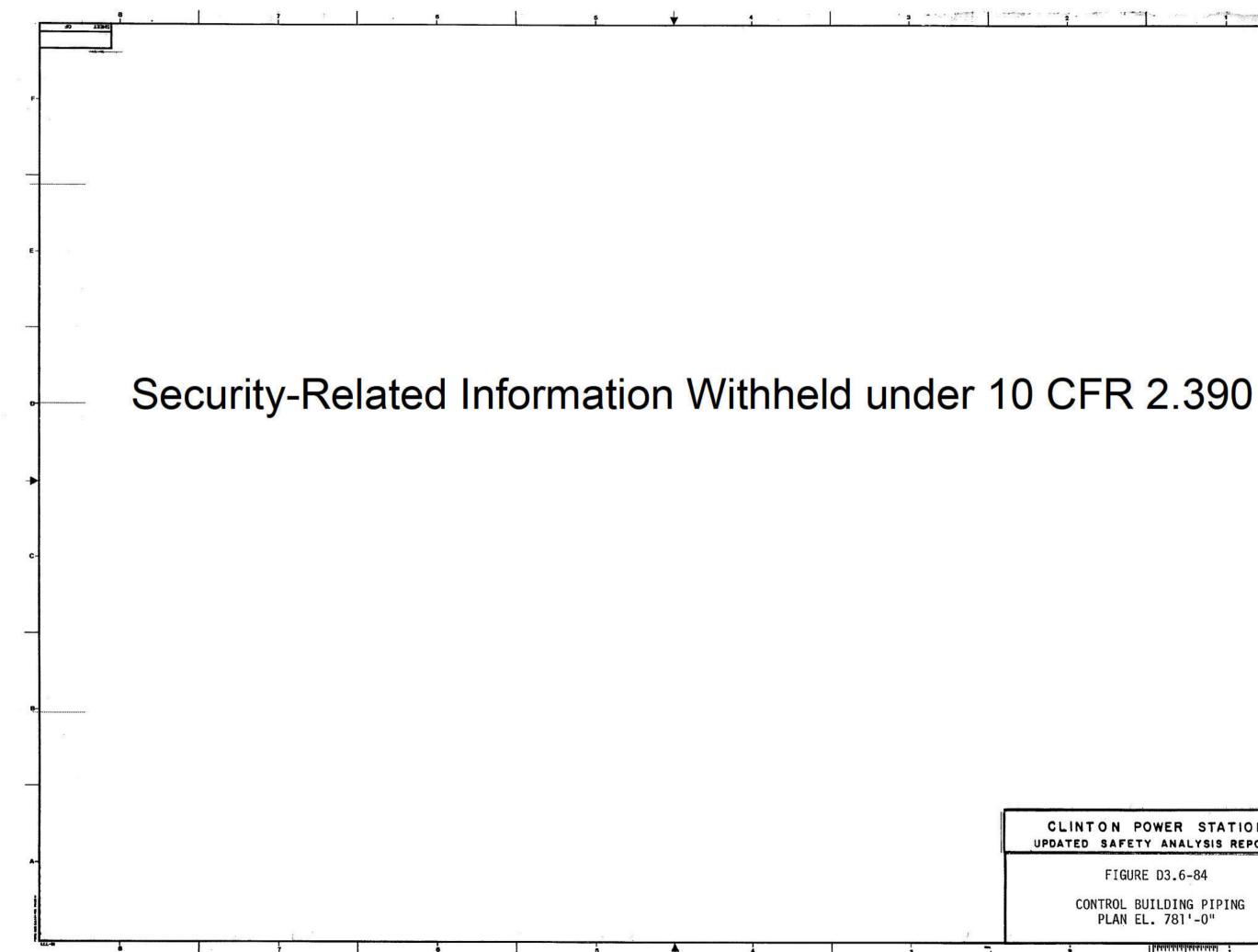








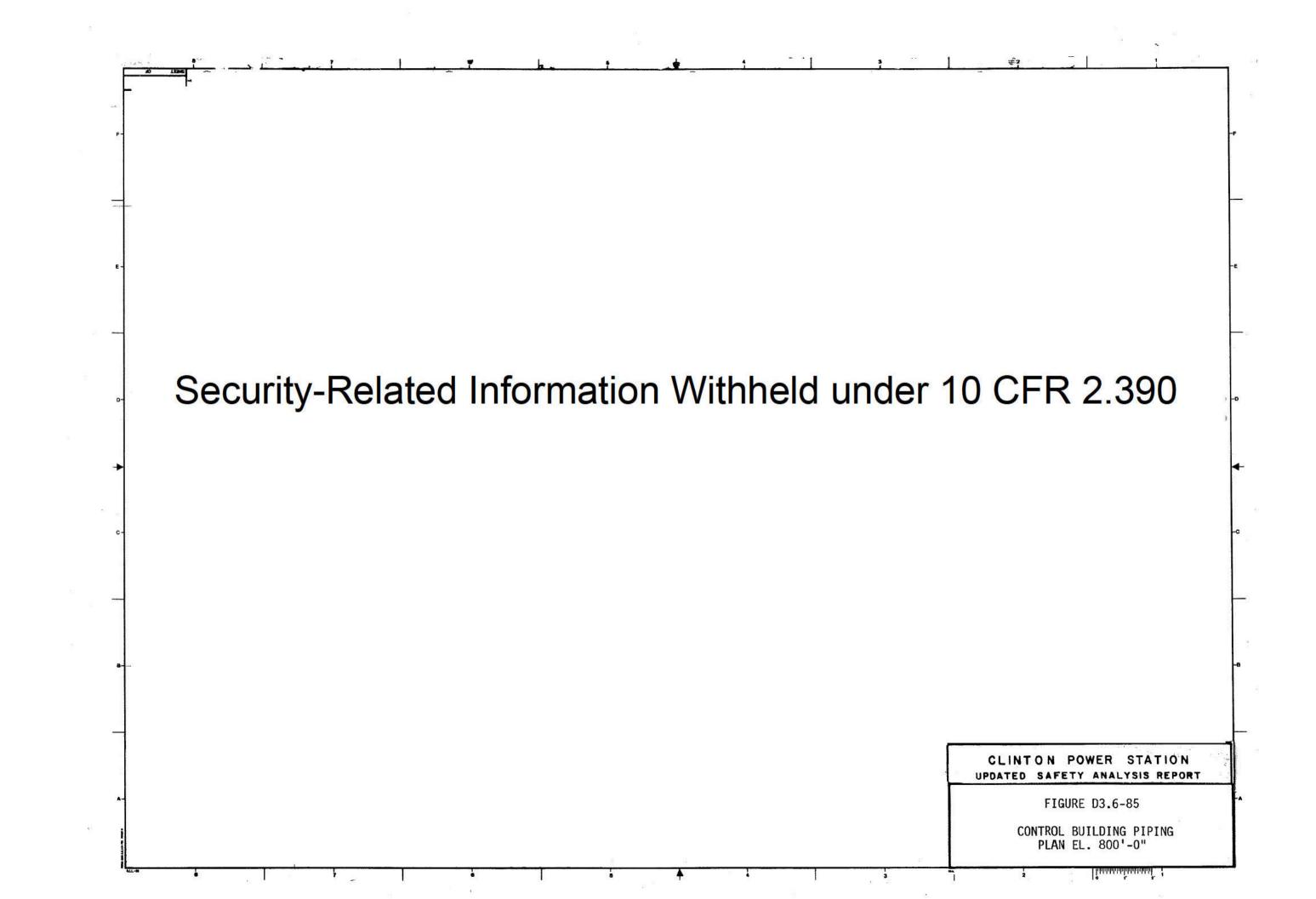
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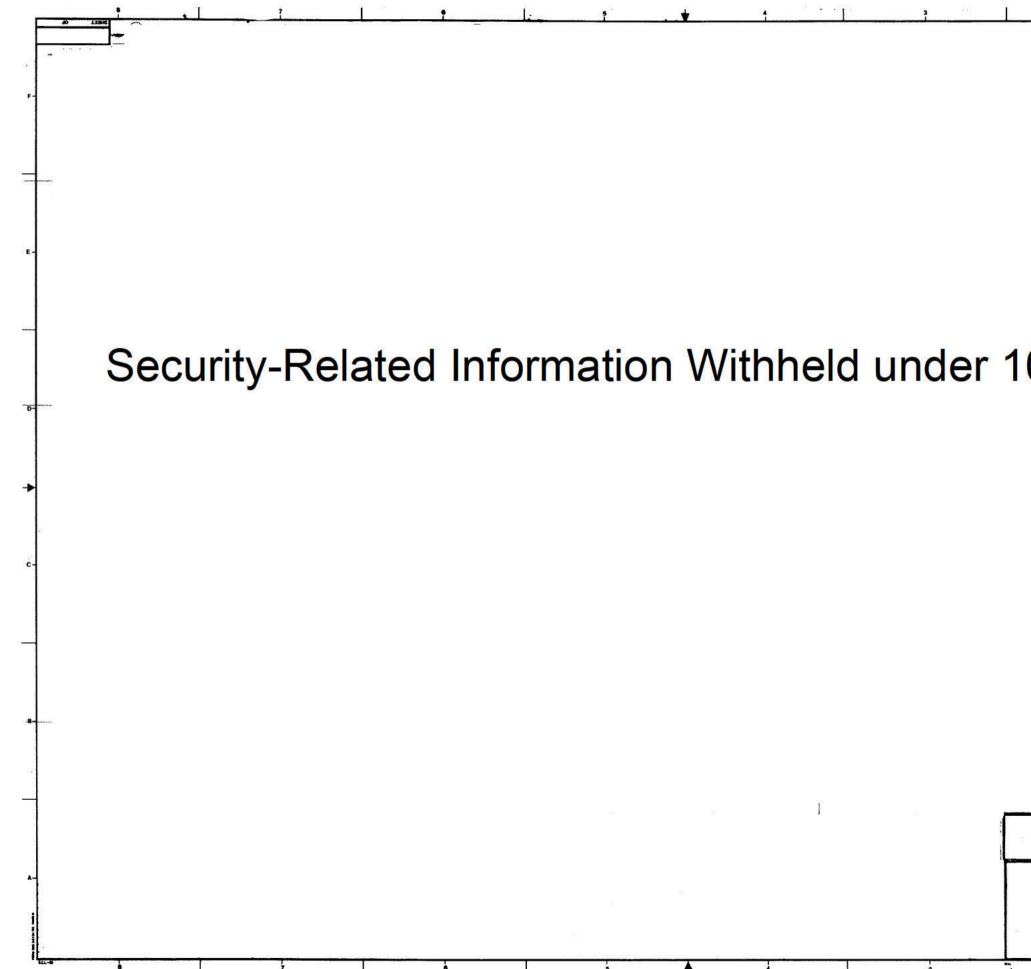


CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT FIGURE D3.6-84

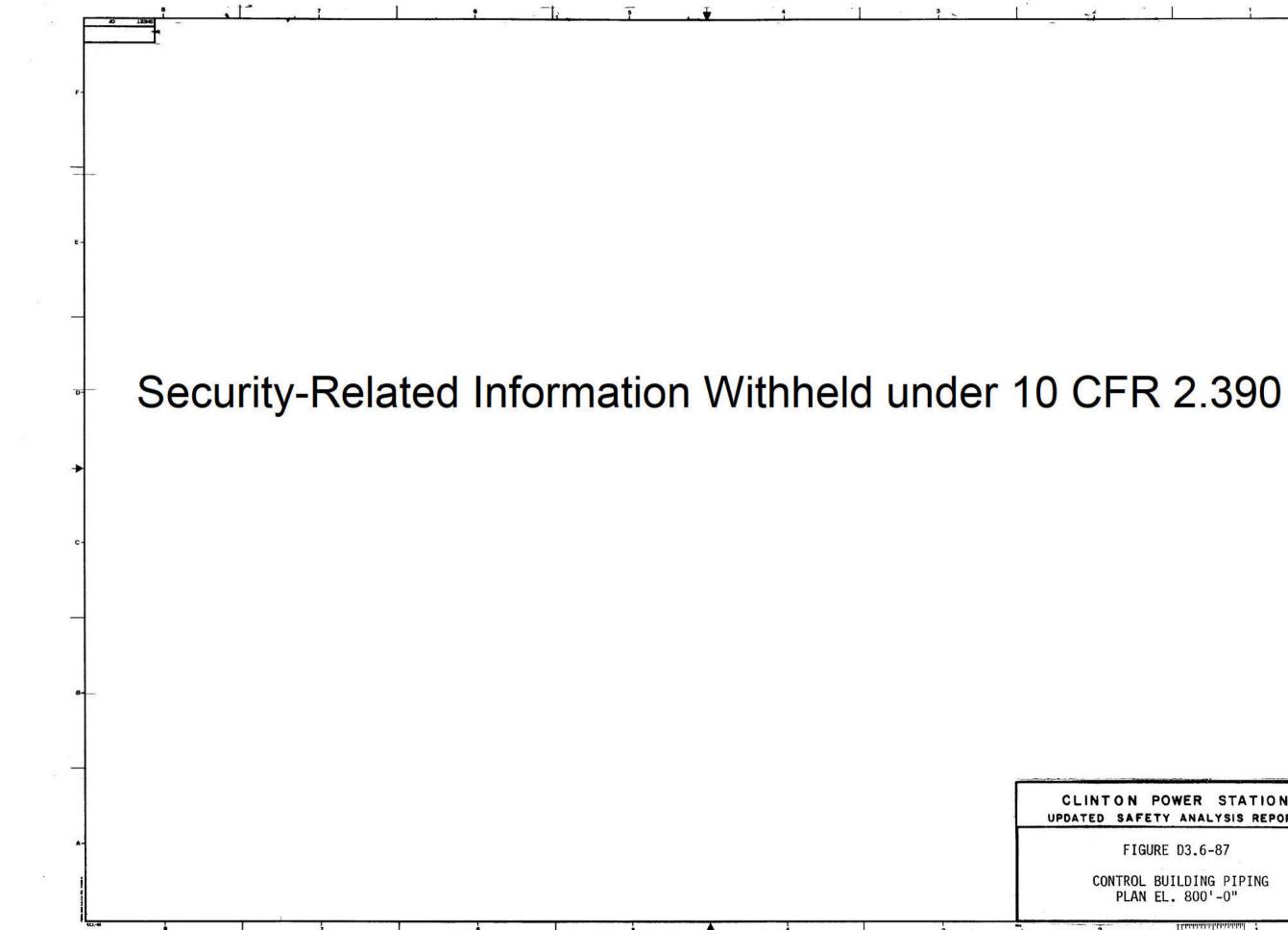
CONTROL BUILDING PIPING PLAN EL. 781'-0"

International !



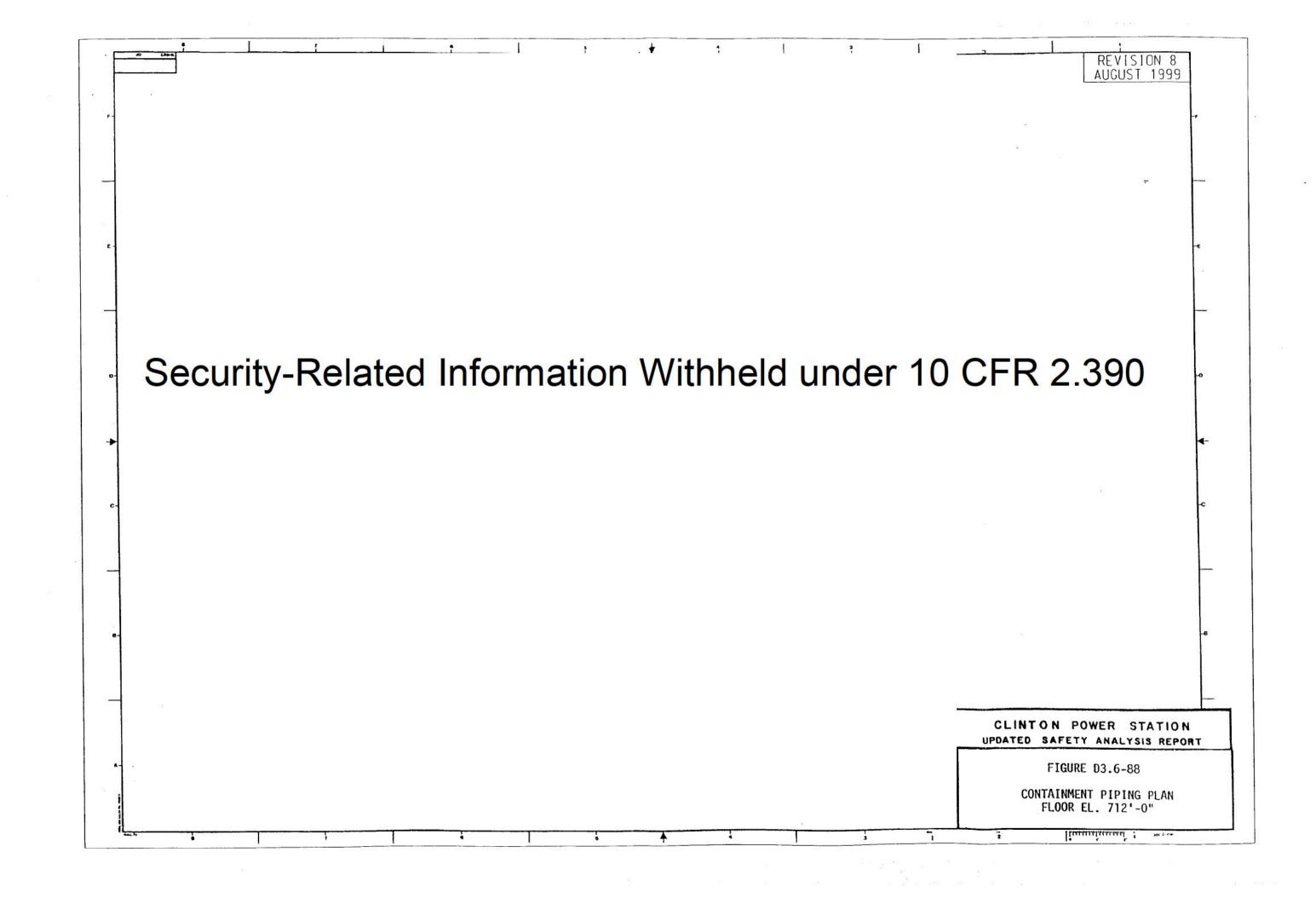


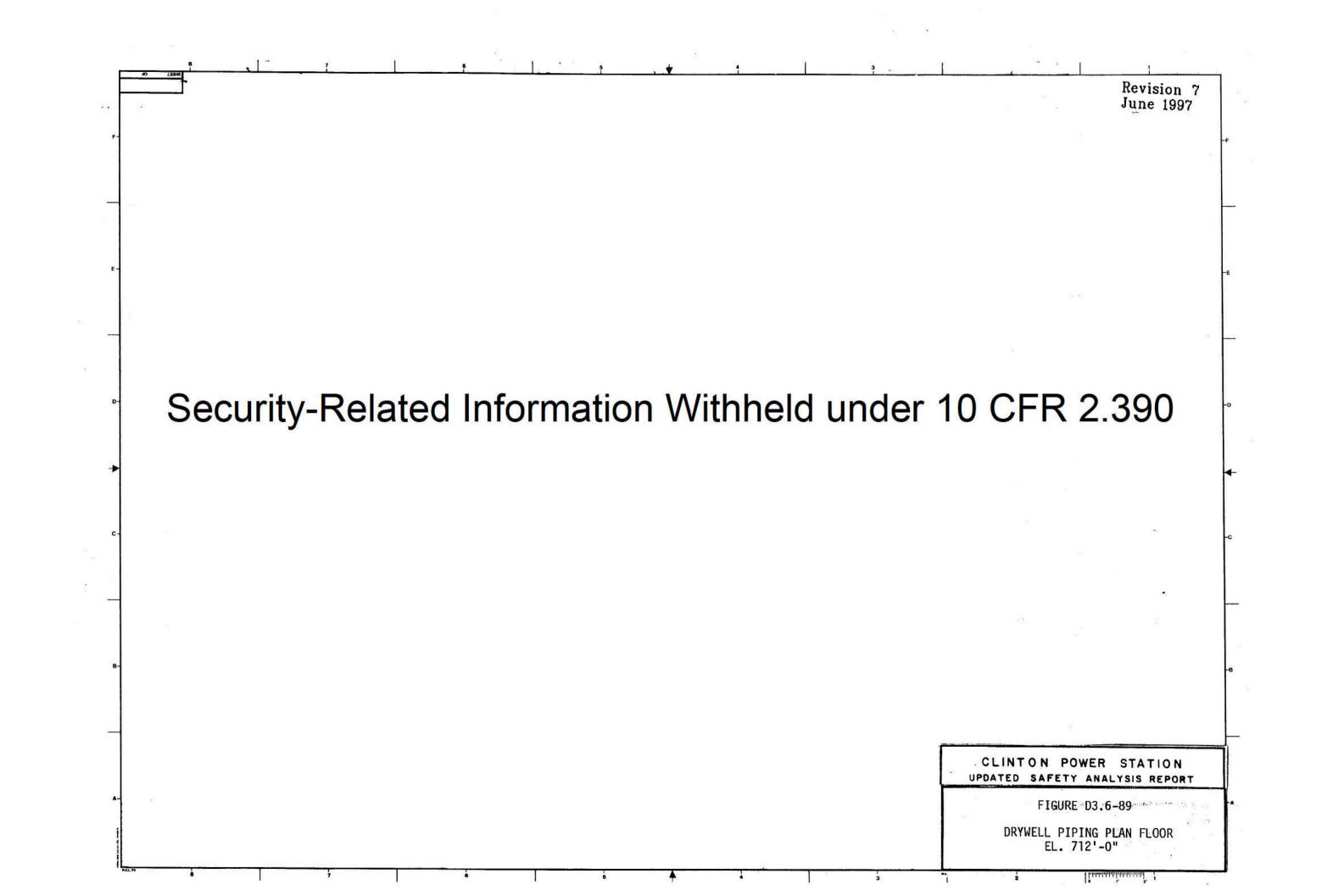
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CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT	
FIGURE D3.6-86	
CONTROL BUILDING PIPING PLAN EL. 800'-0"	
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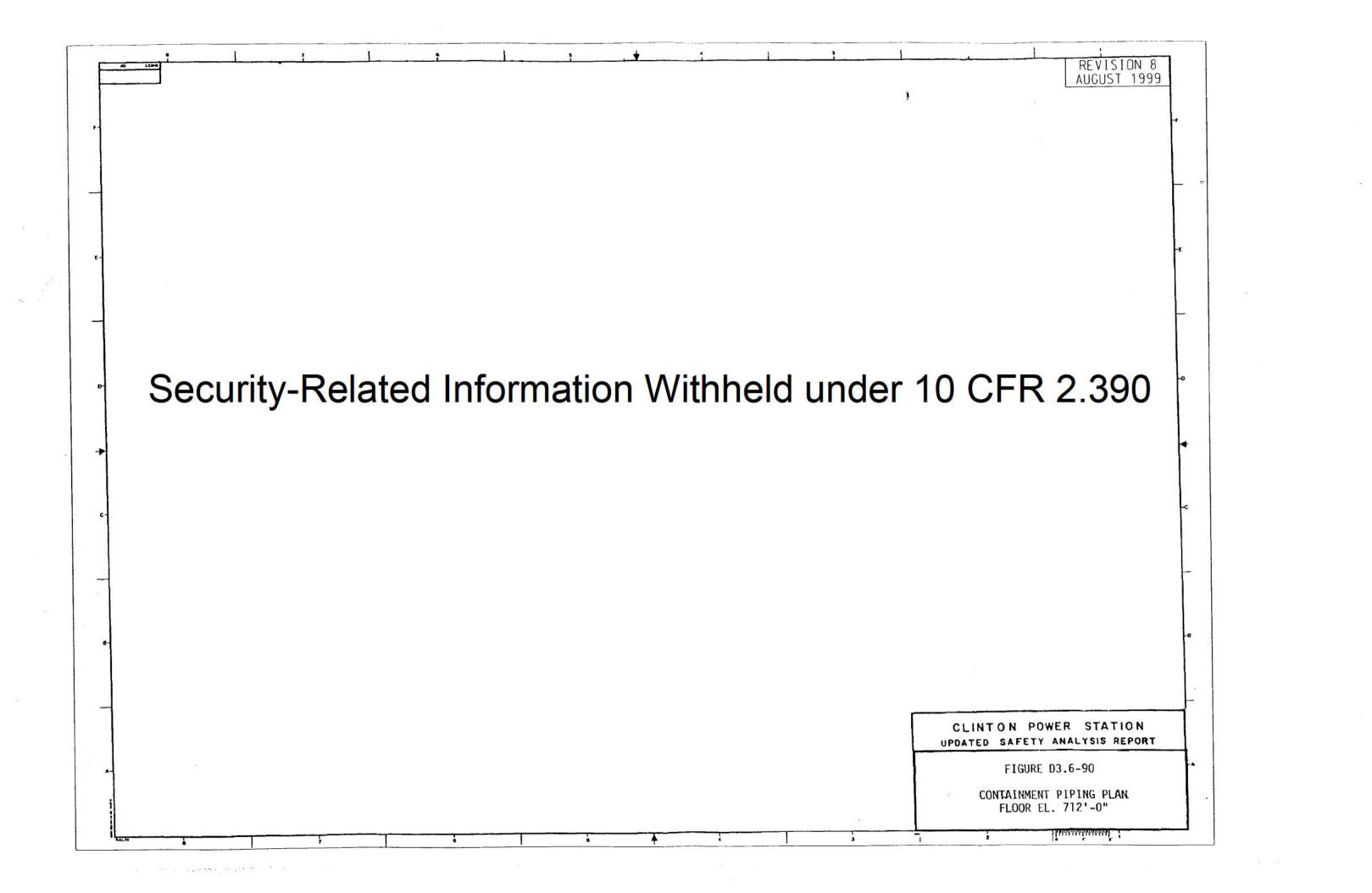


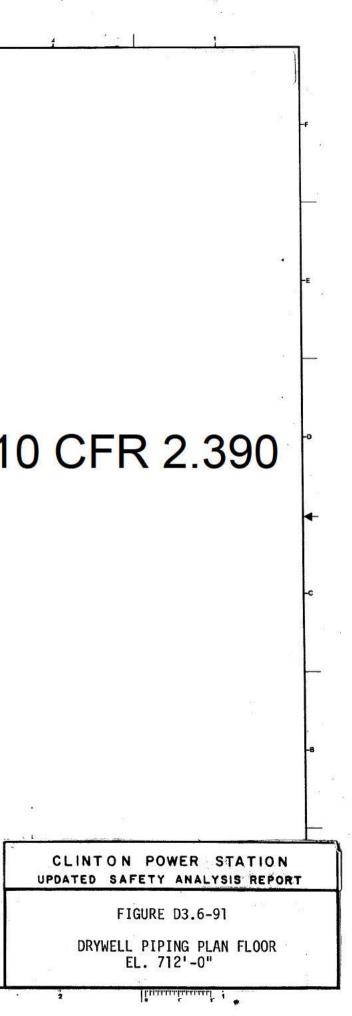
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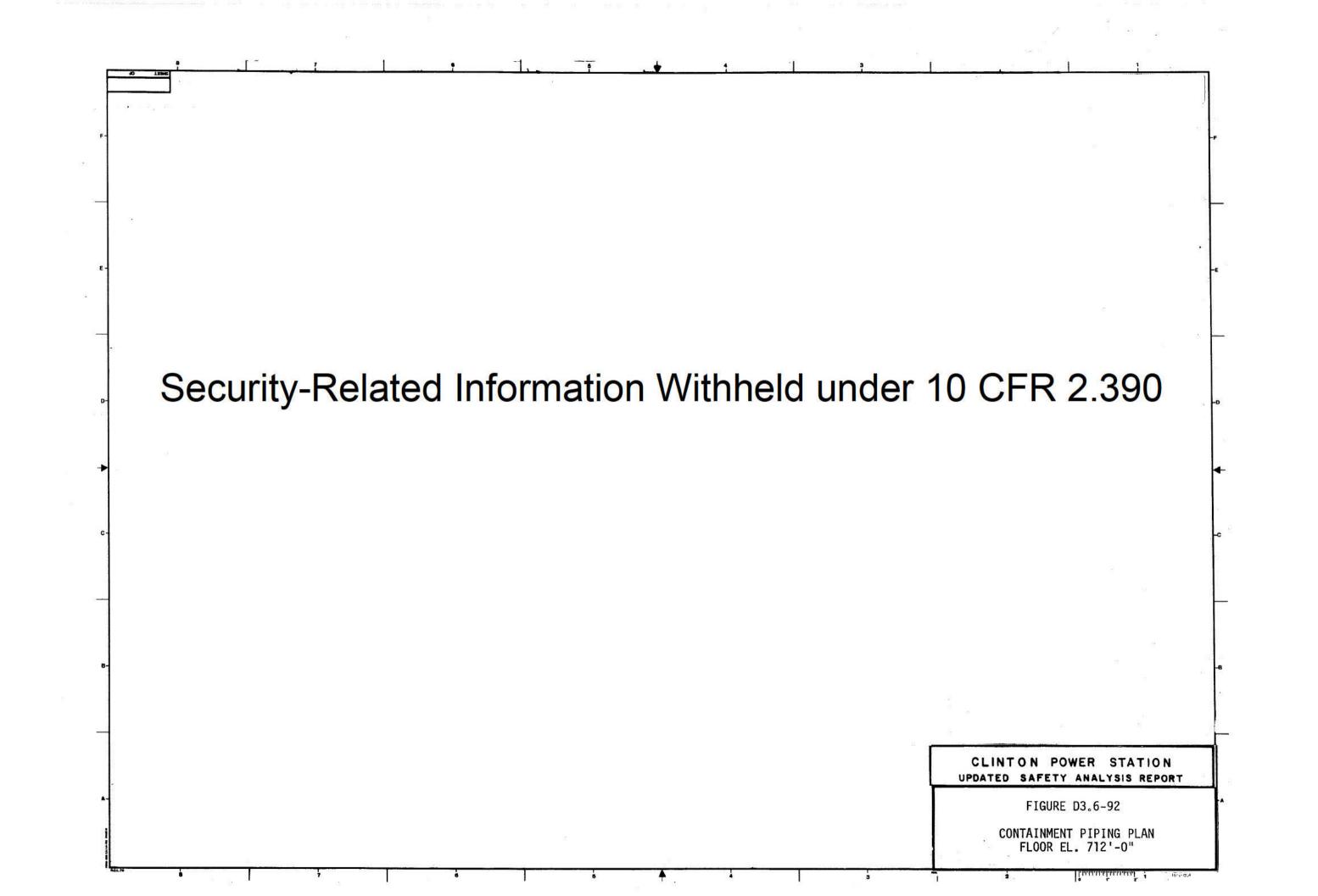
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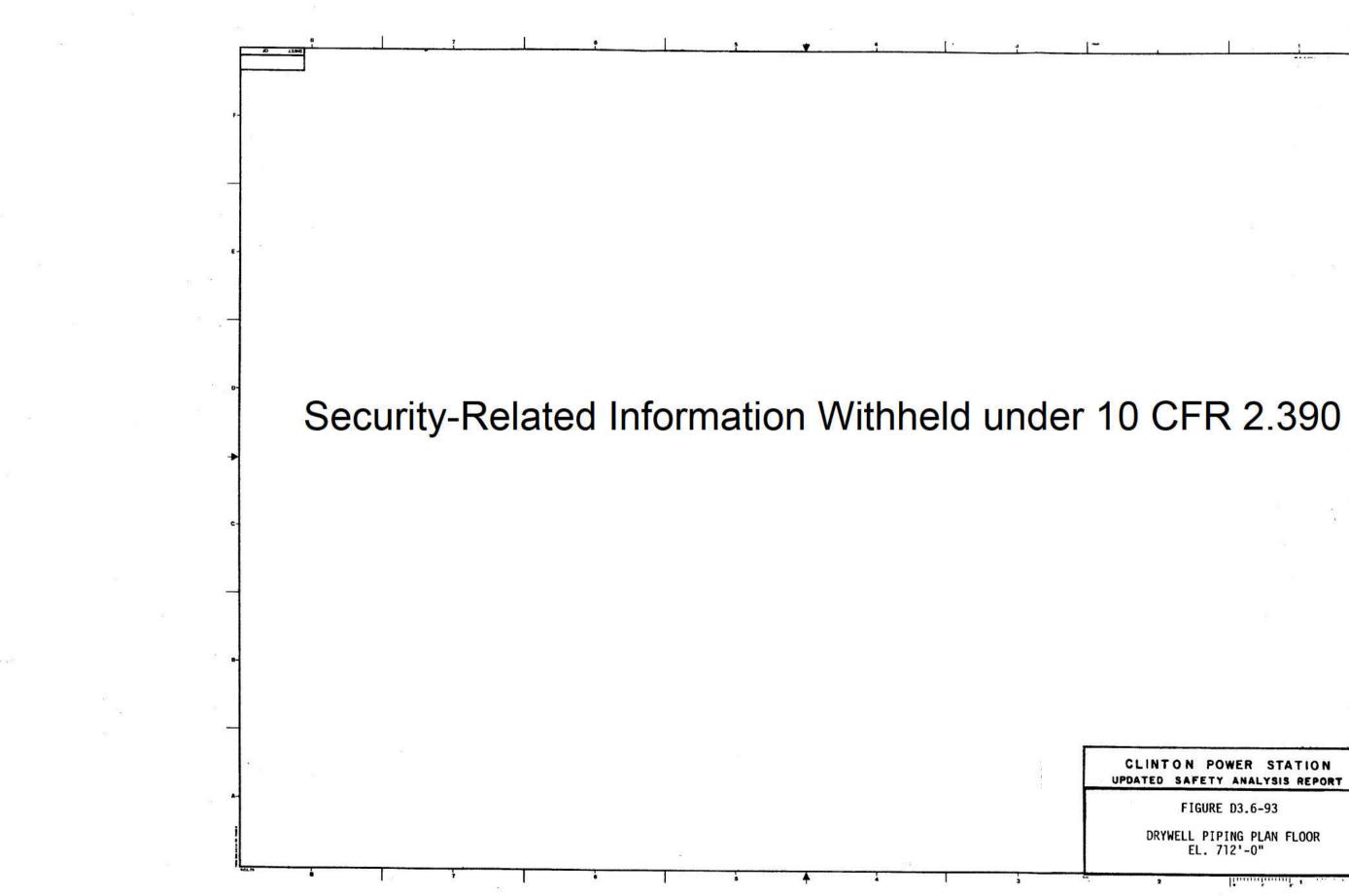








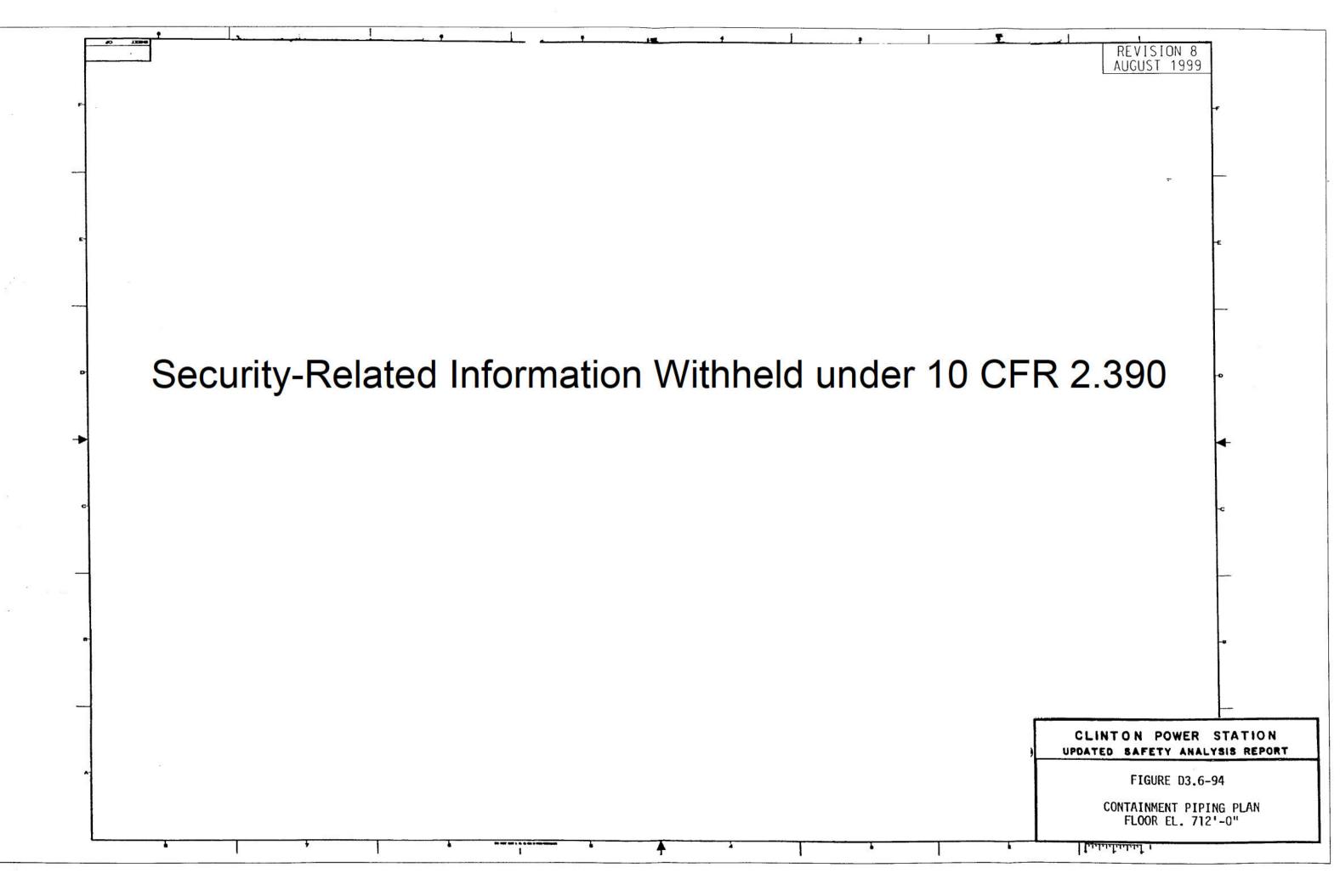


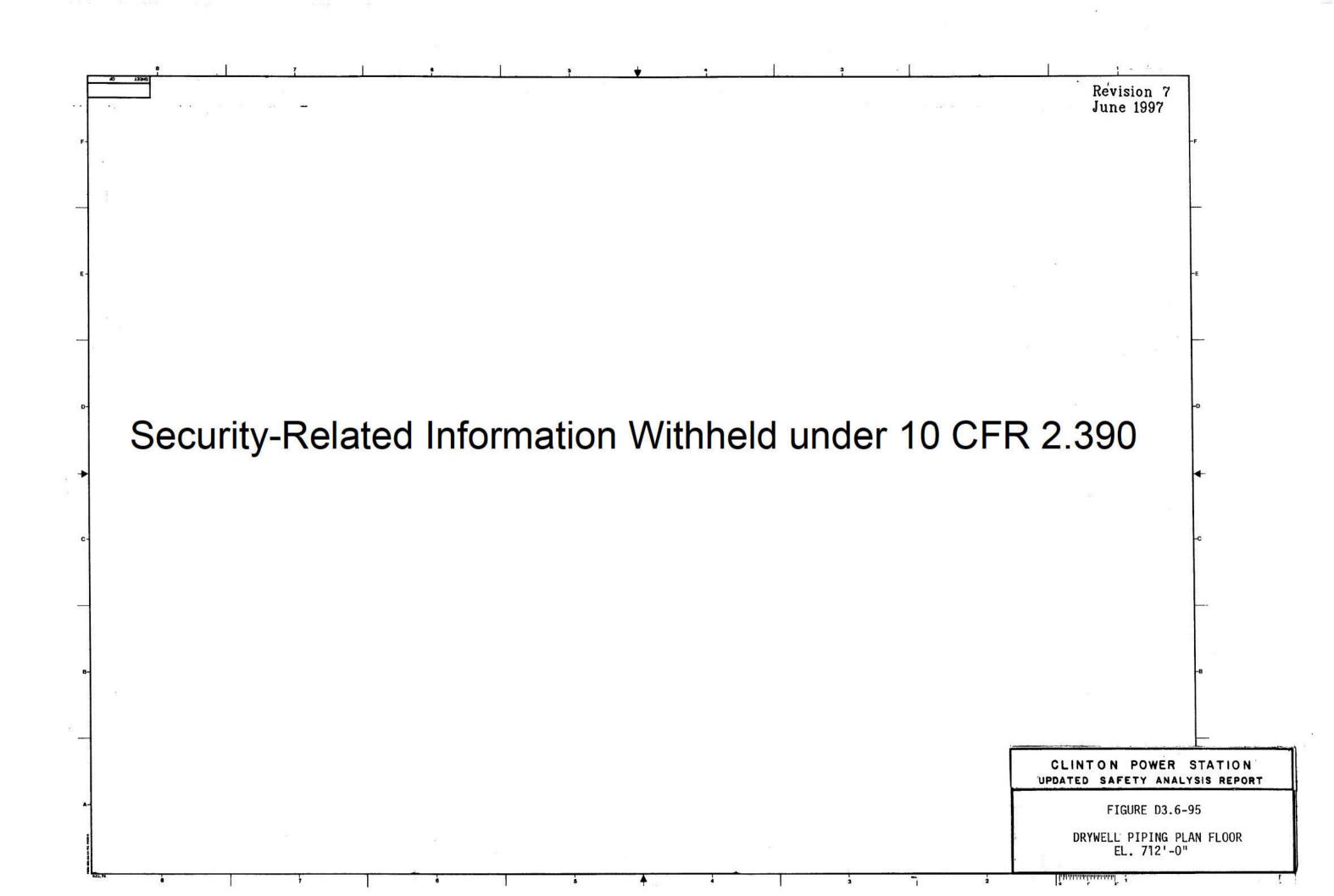


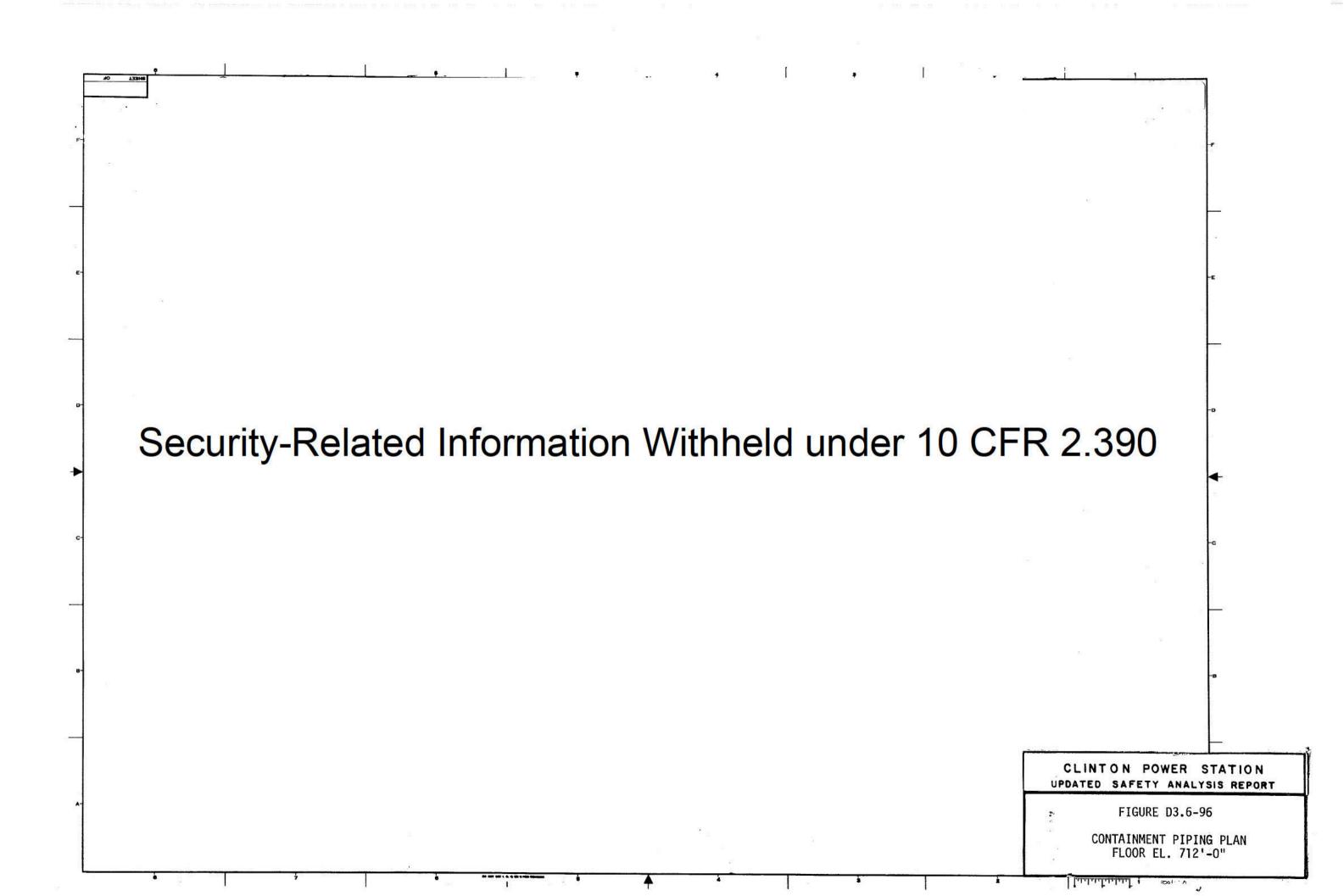
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

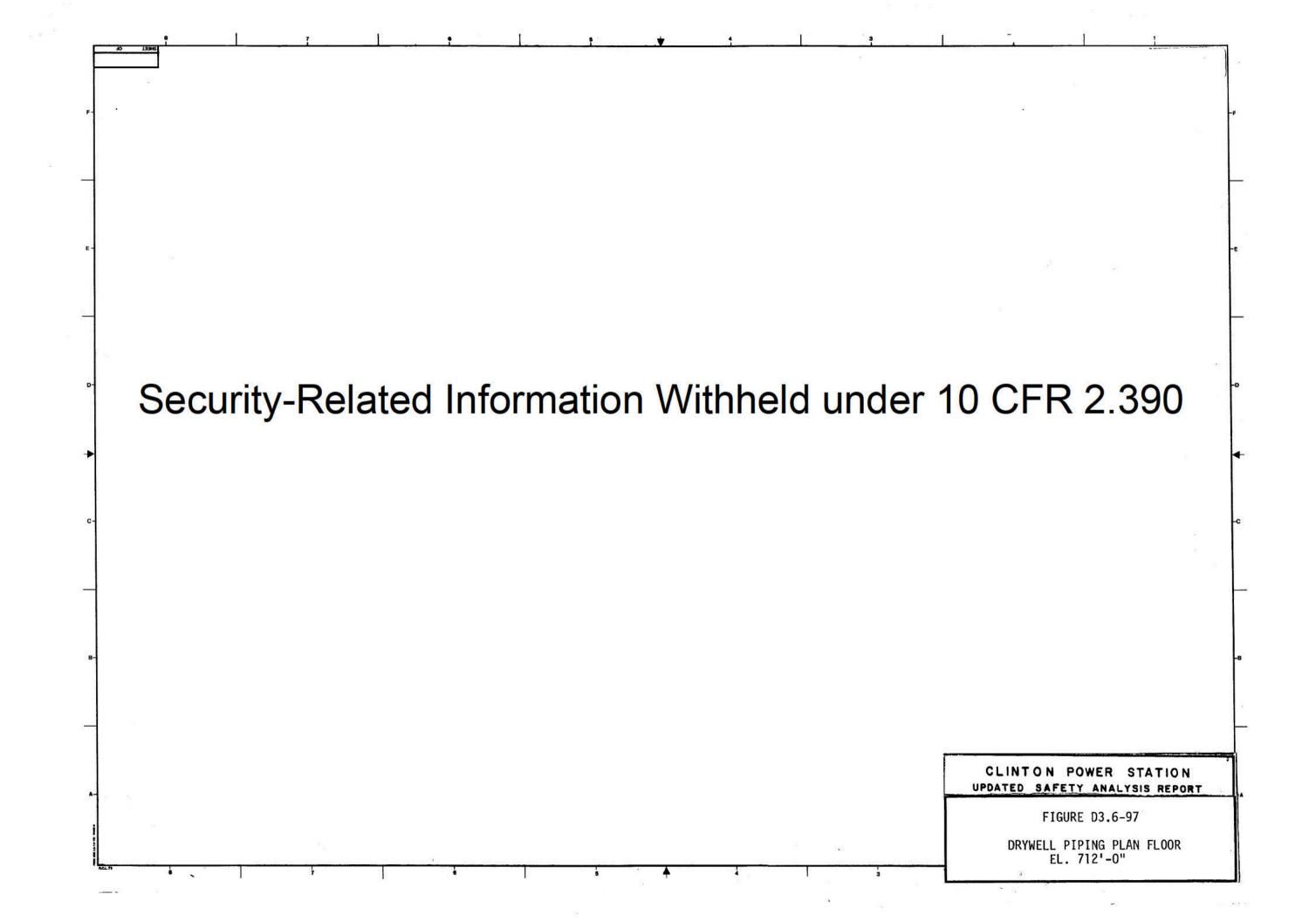
FIGURE D3.6-93

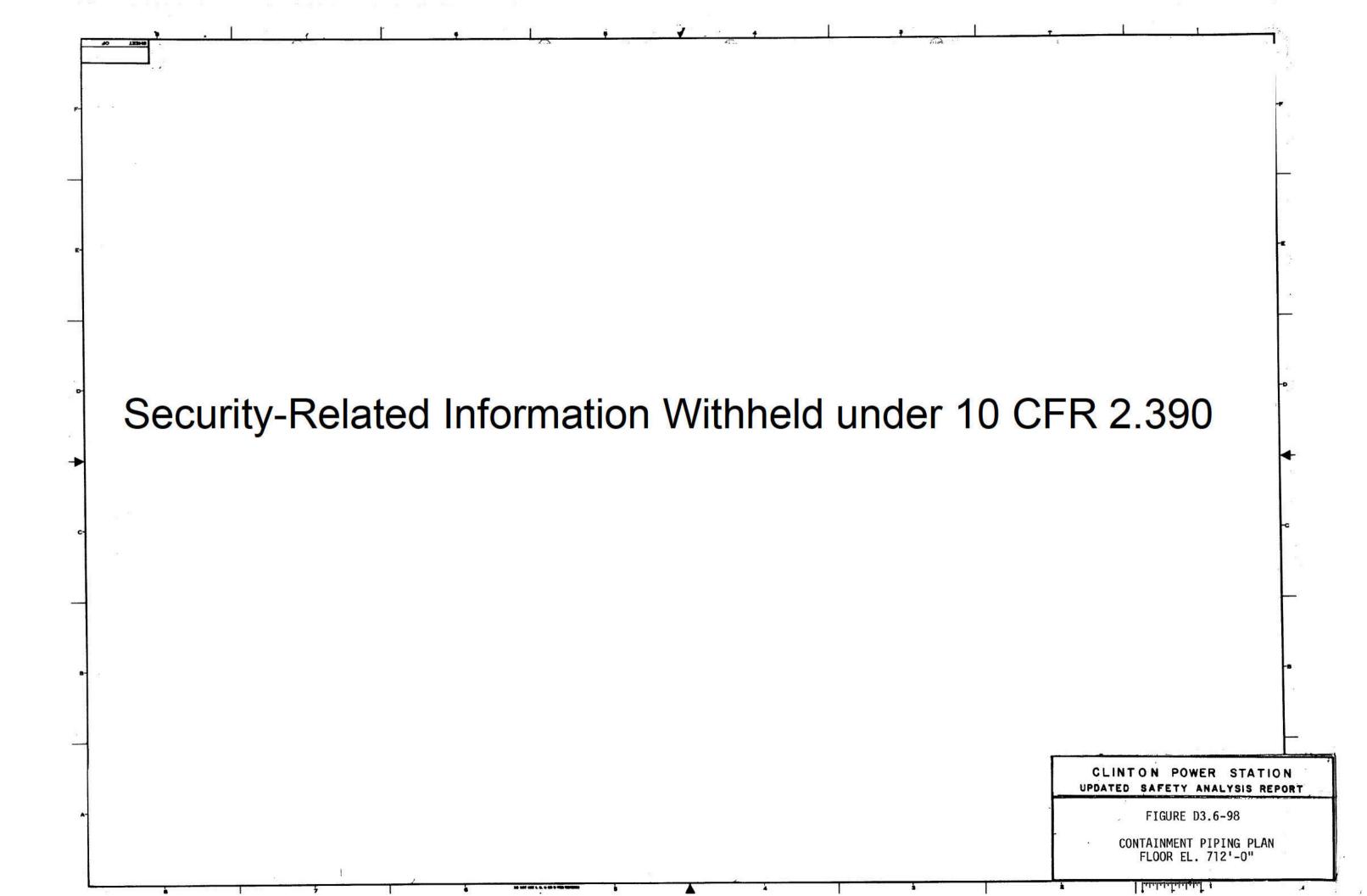
DRYWELL PIPING PLAN FLOOR EL. 712'-0"



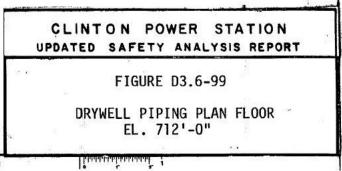


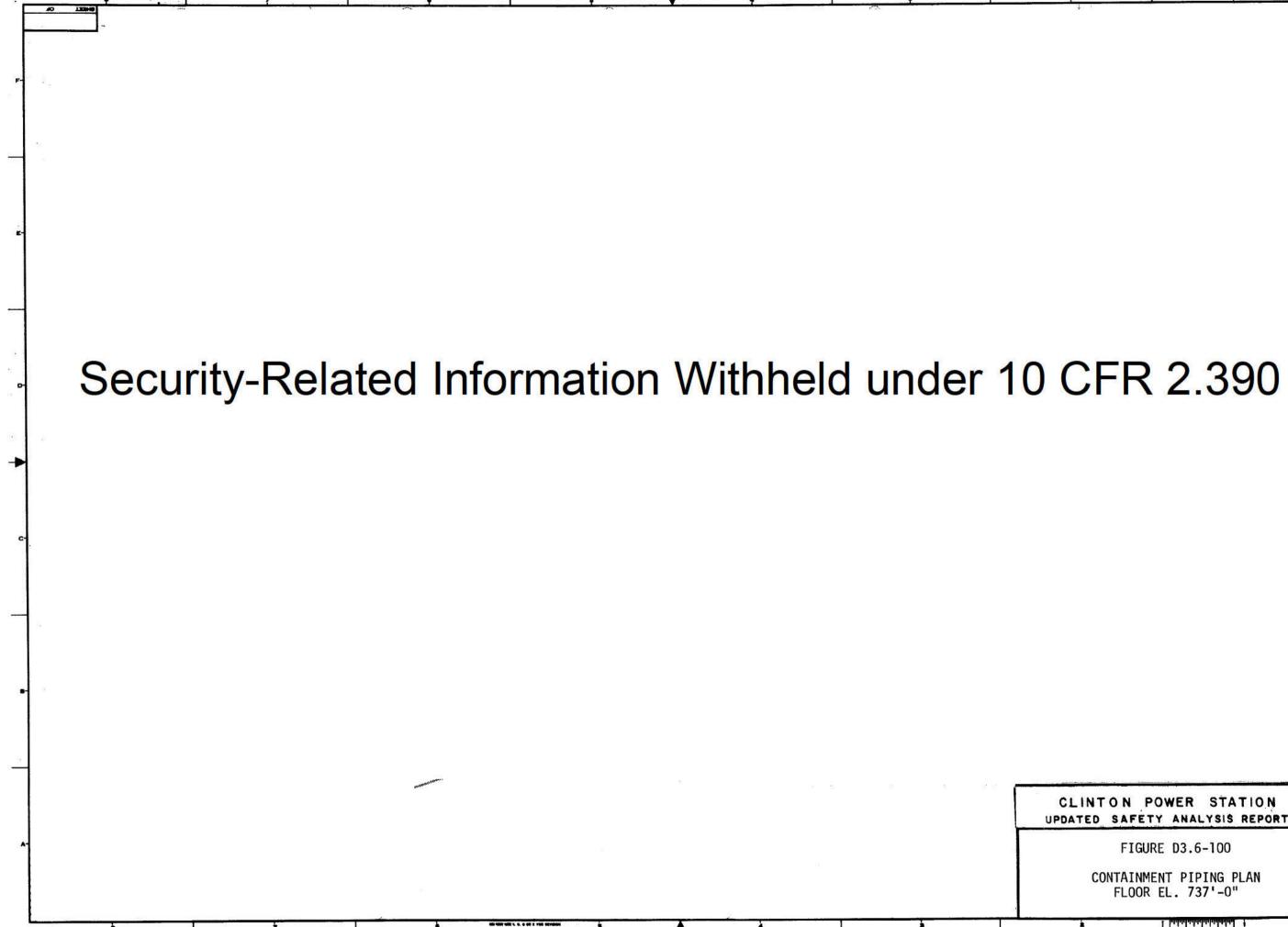






Security-Related Information Withheld under 10 CFR 2.390 FIGURE D3.6-99 EL. 712'-0"



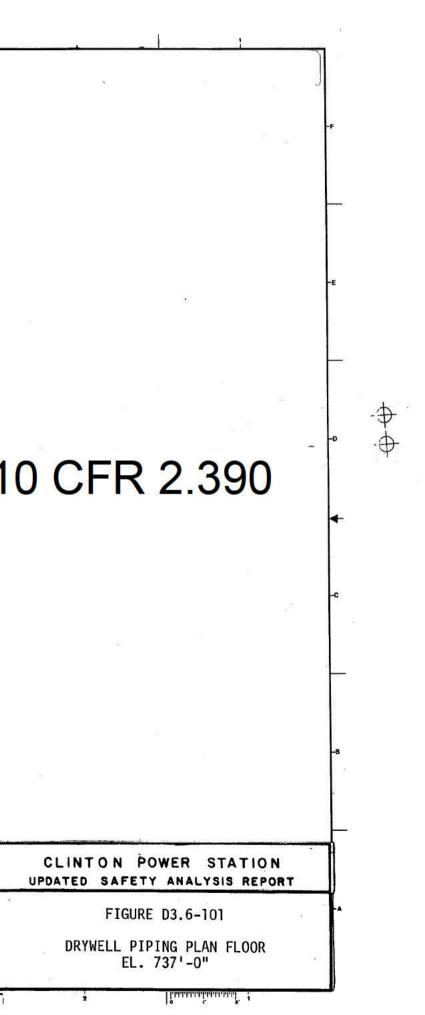


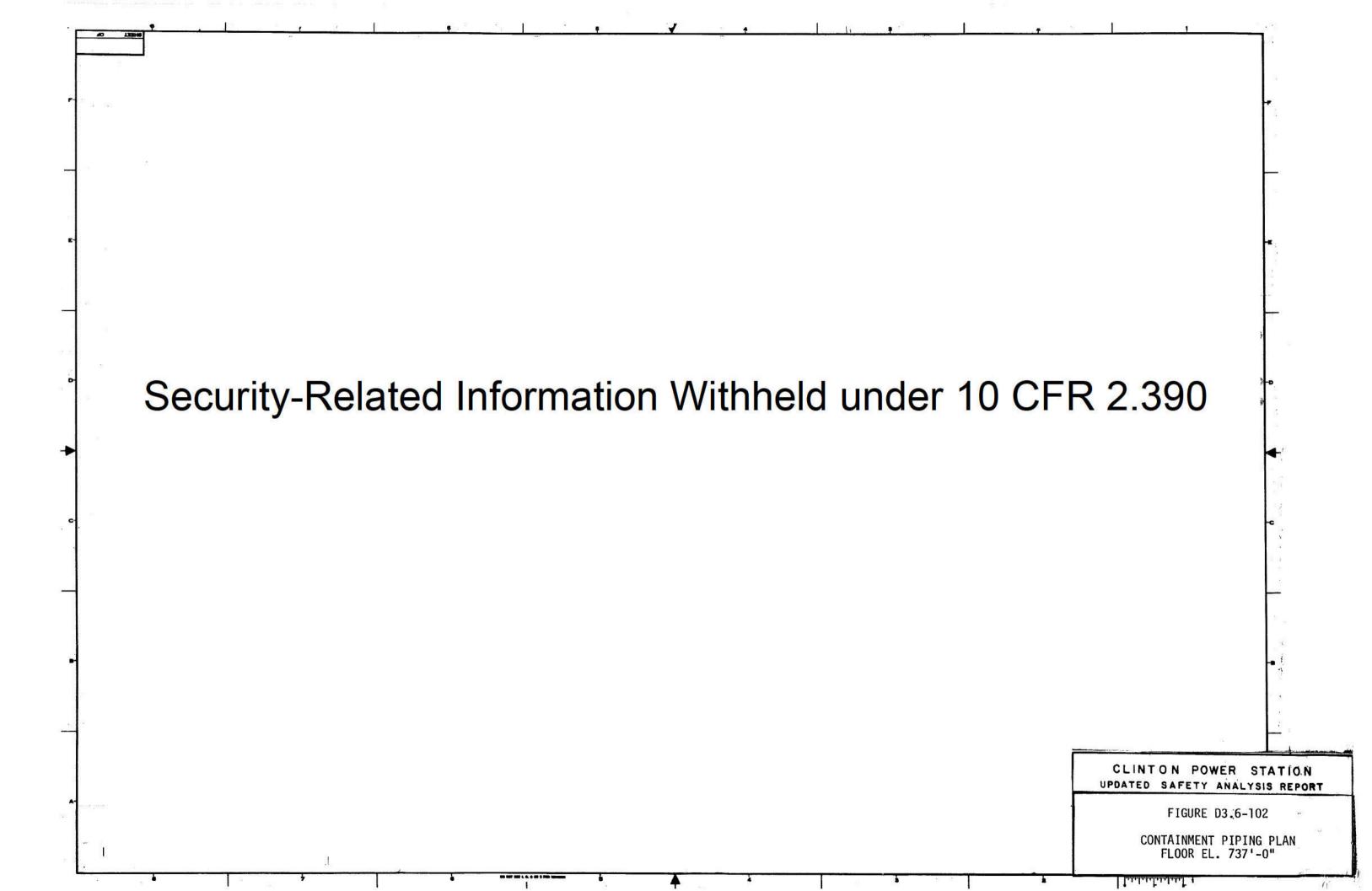
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

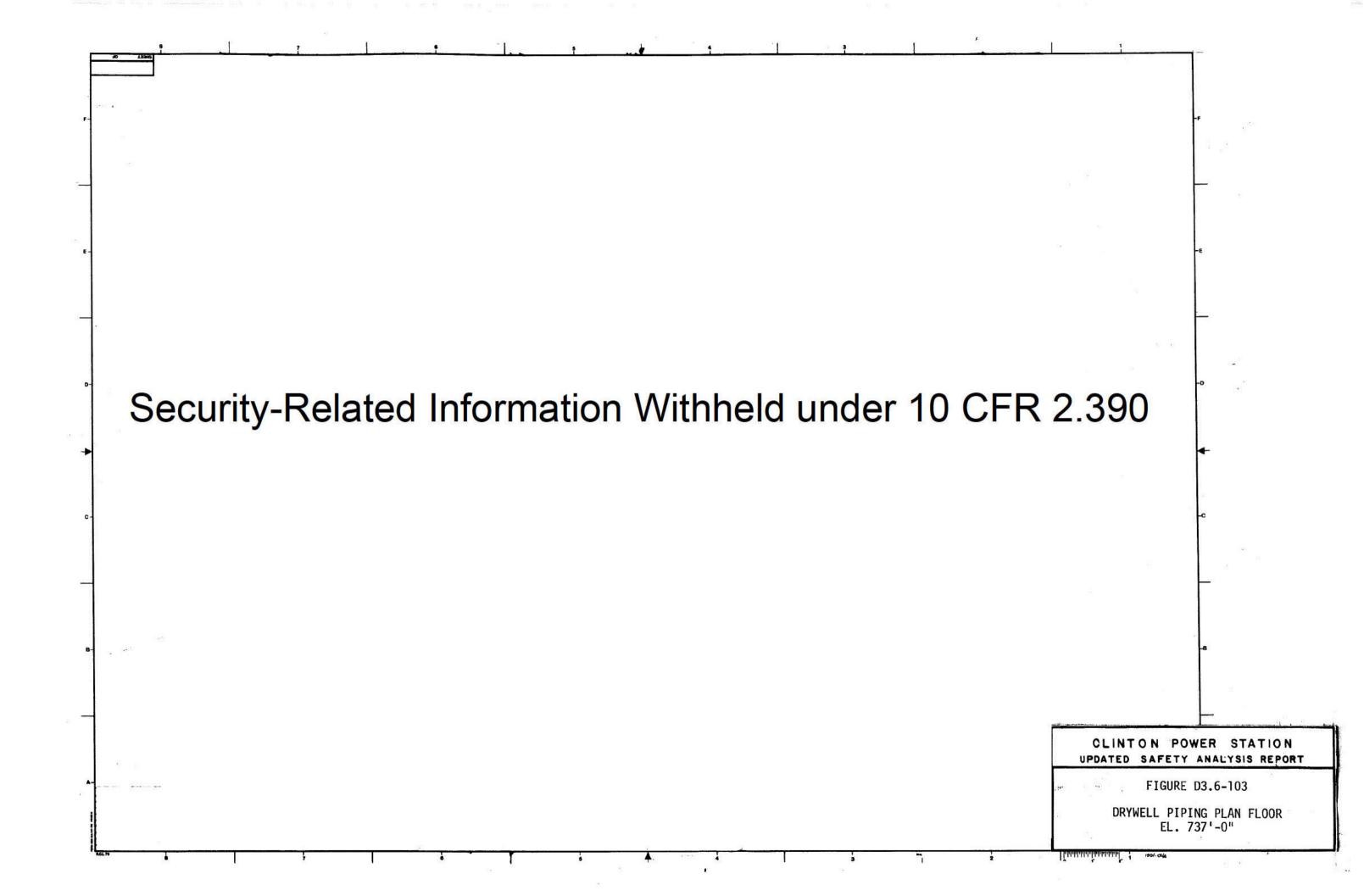
FIGURE D3.6-100

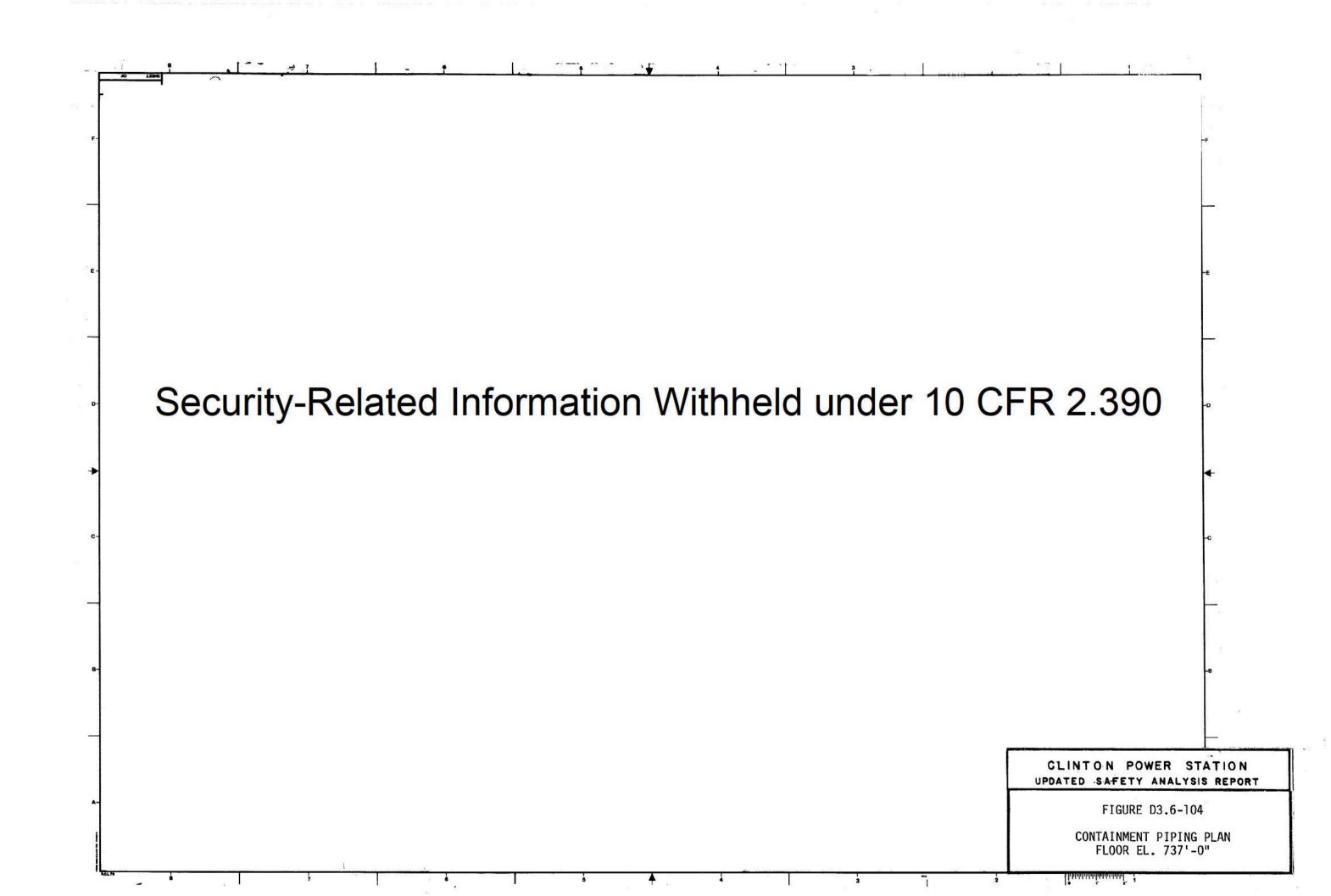
CONTAINMENT PIPING PLAN FLOOR EL. 737'-0"

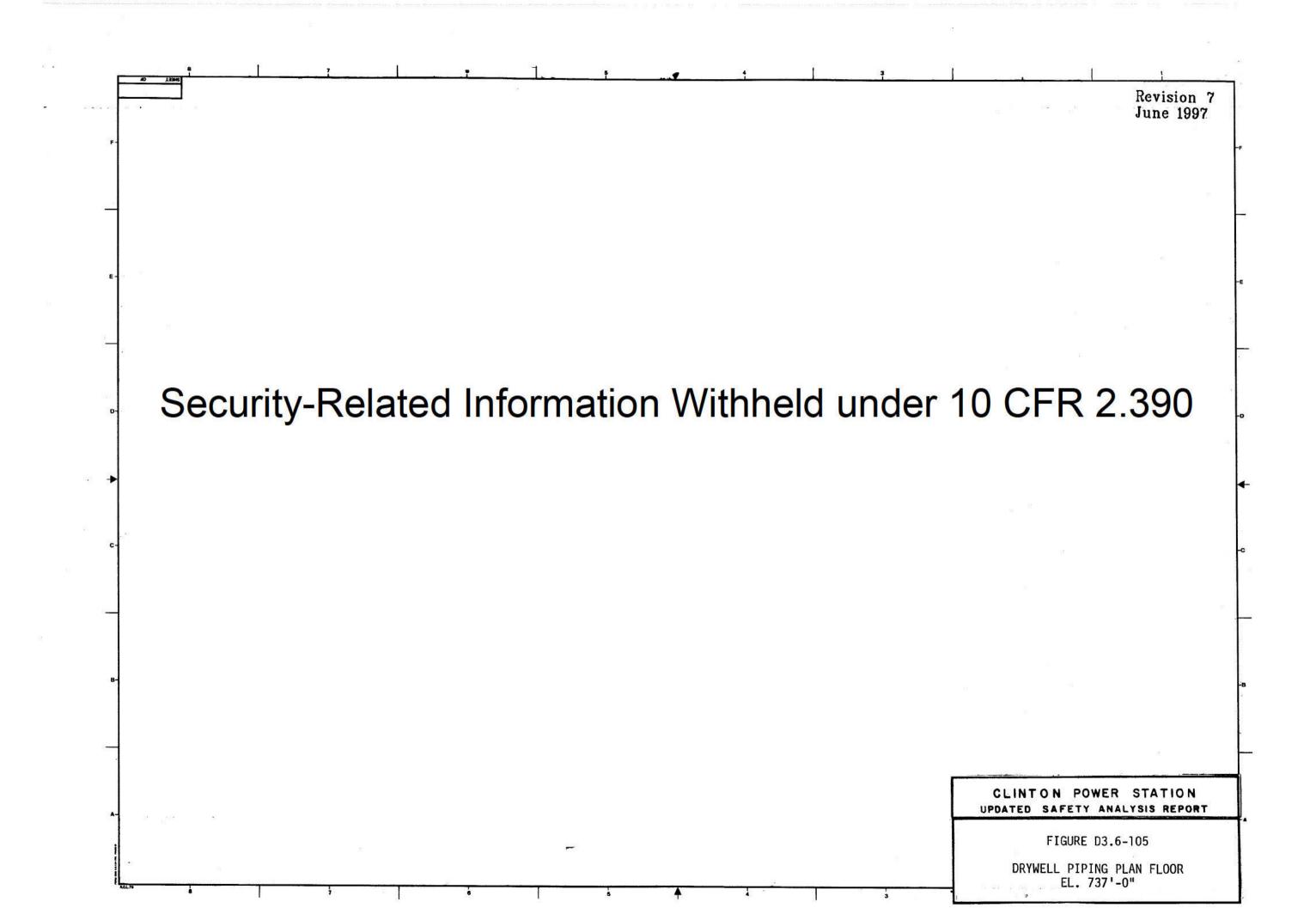
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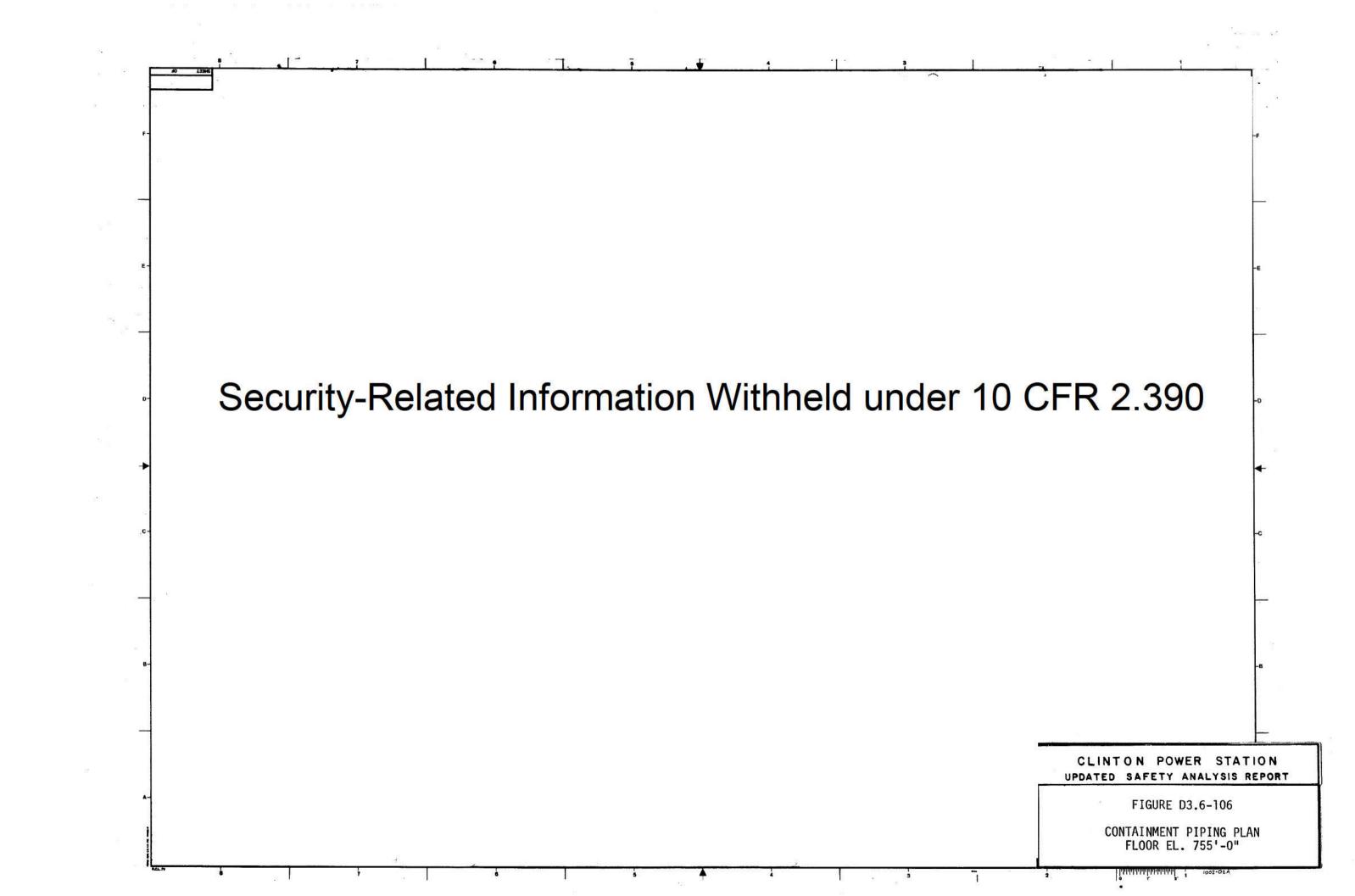


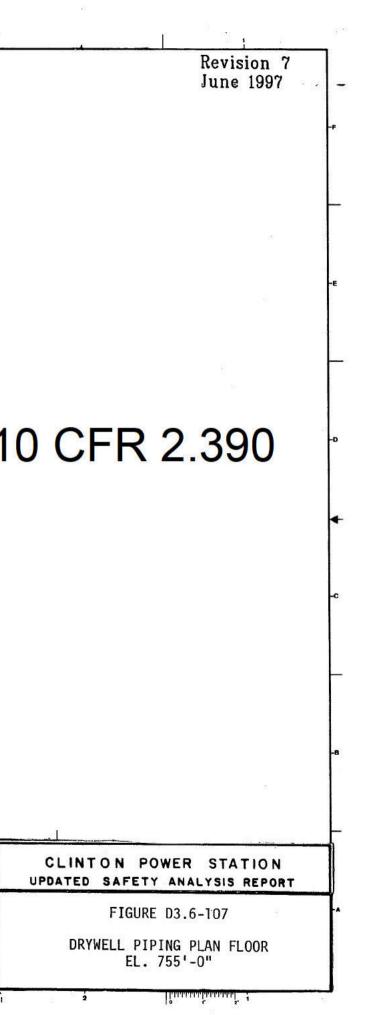


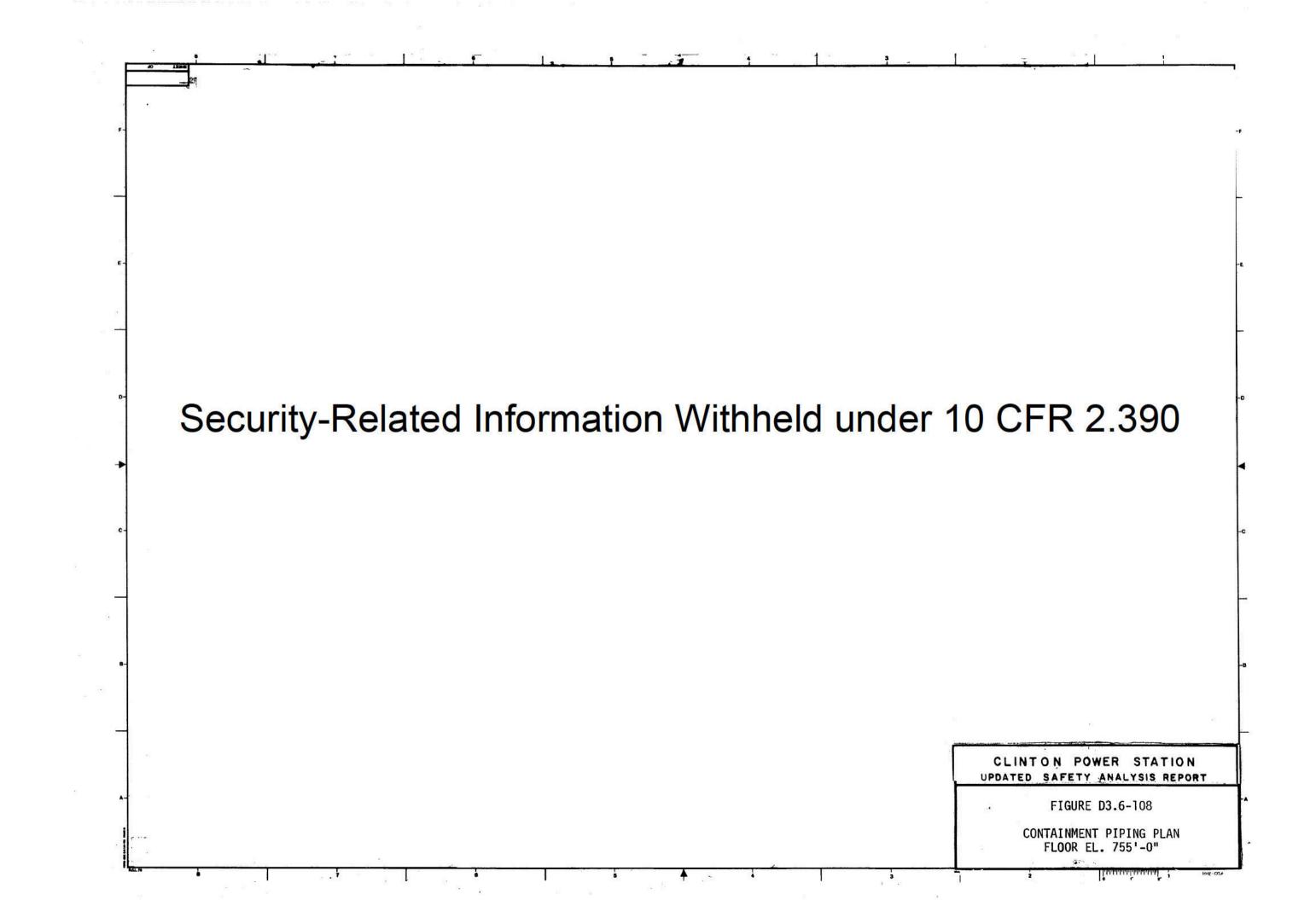


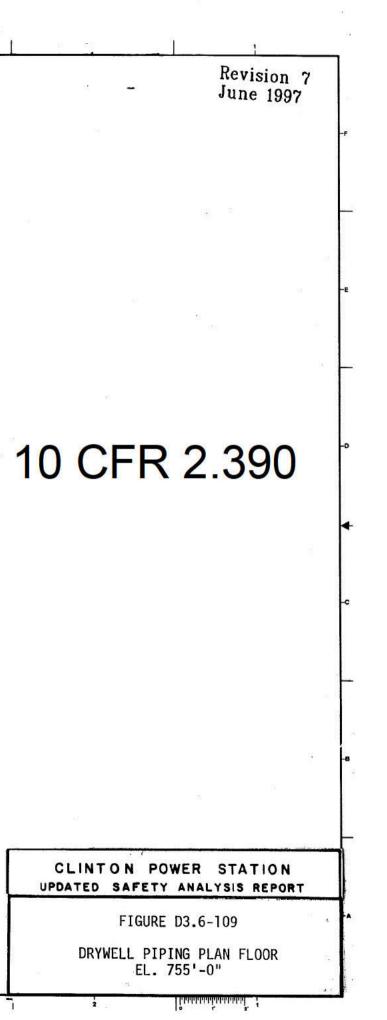


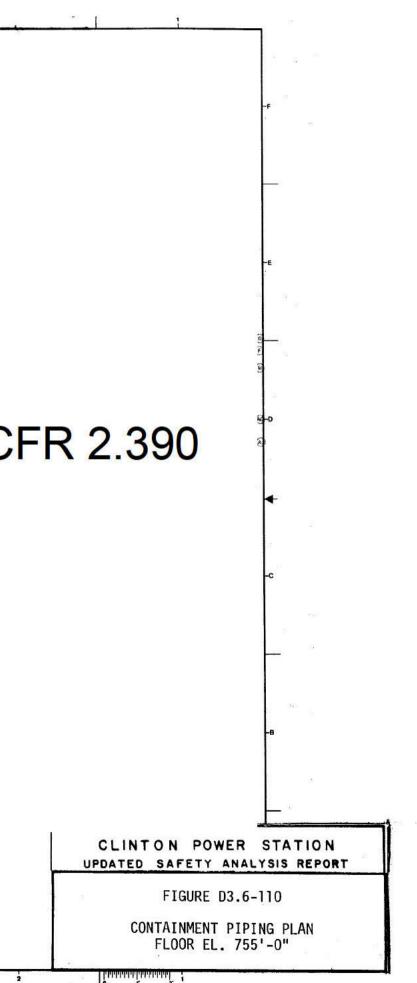


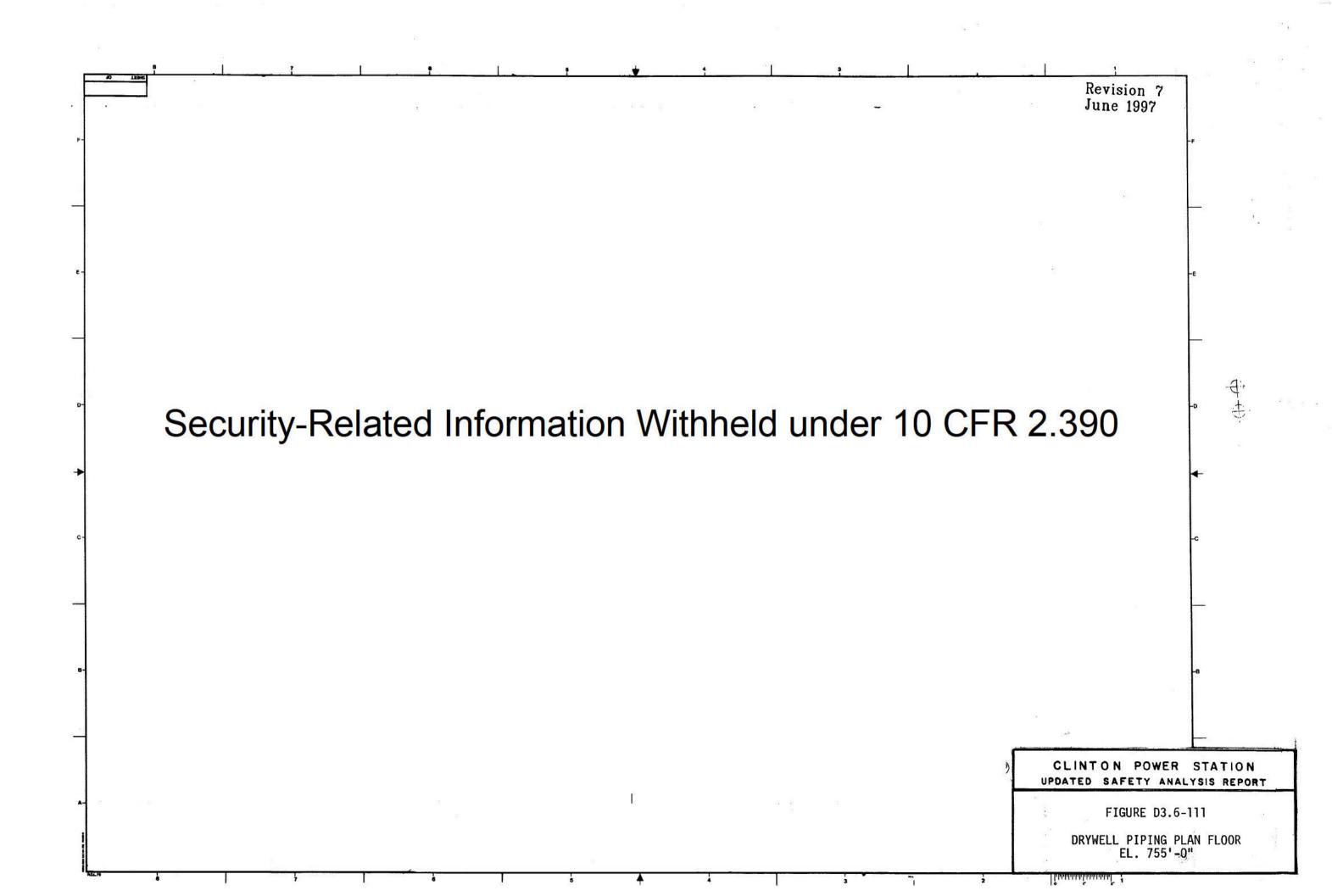


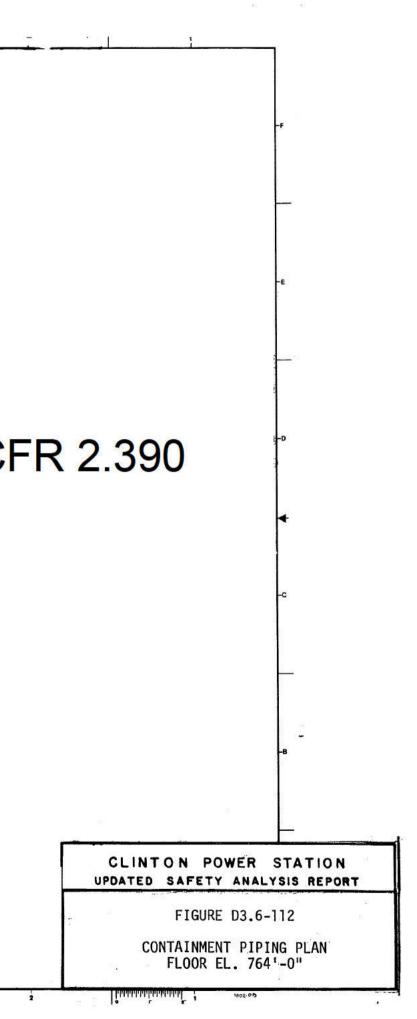


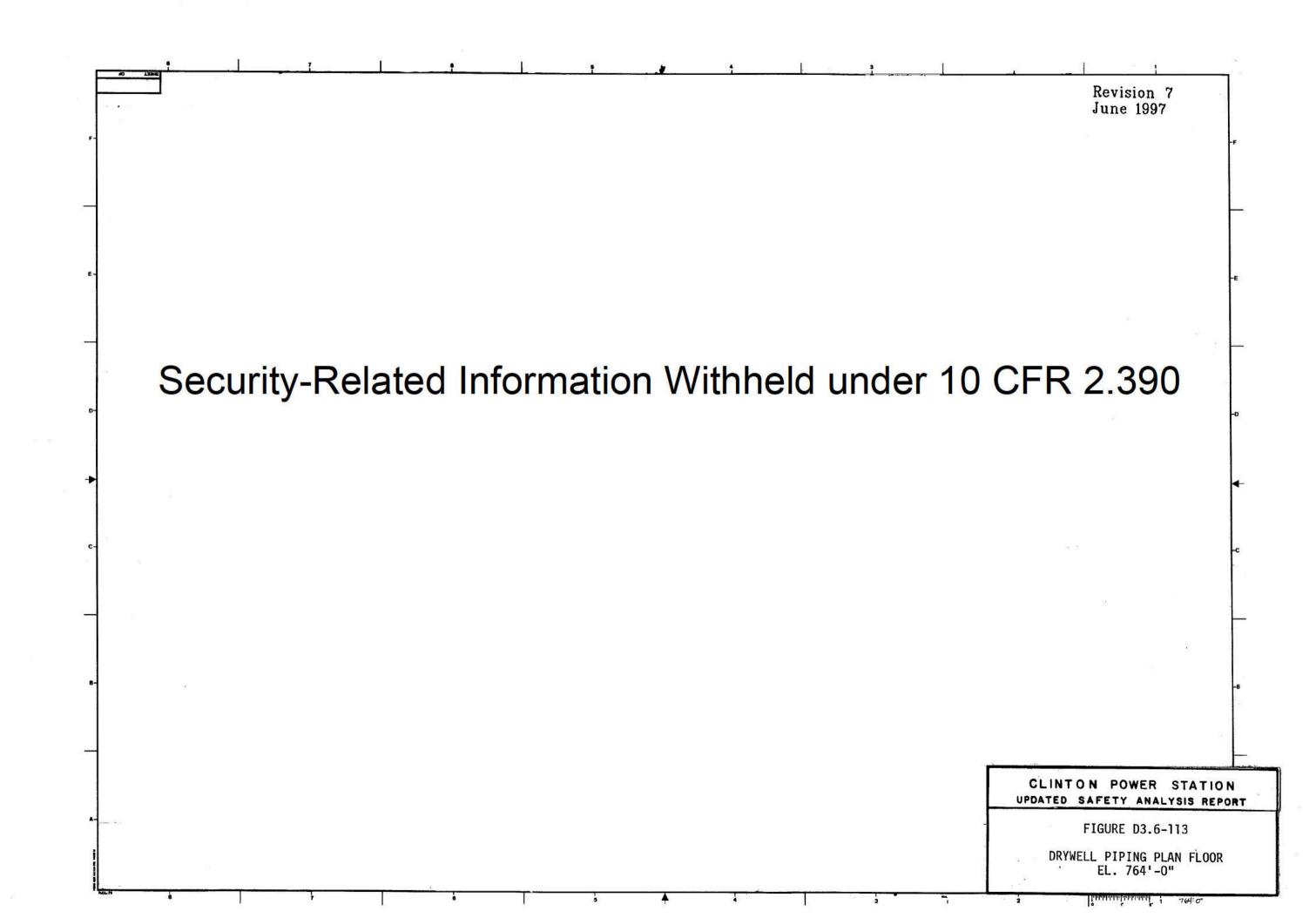


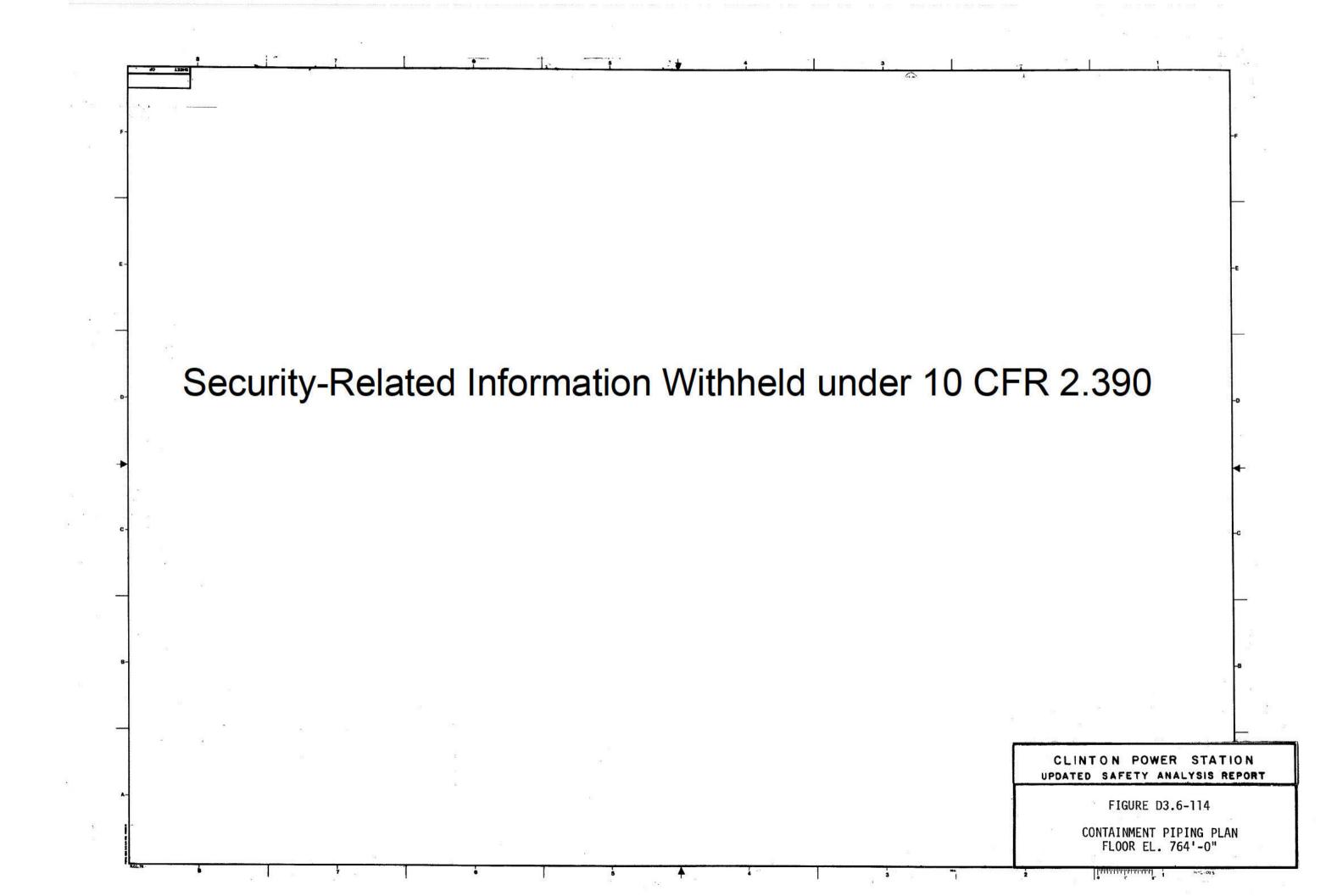


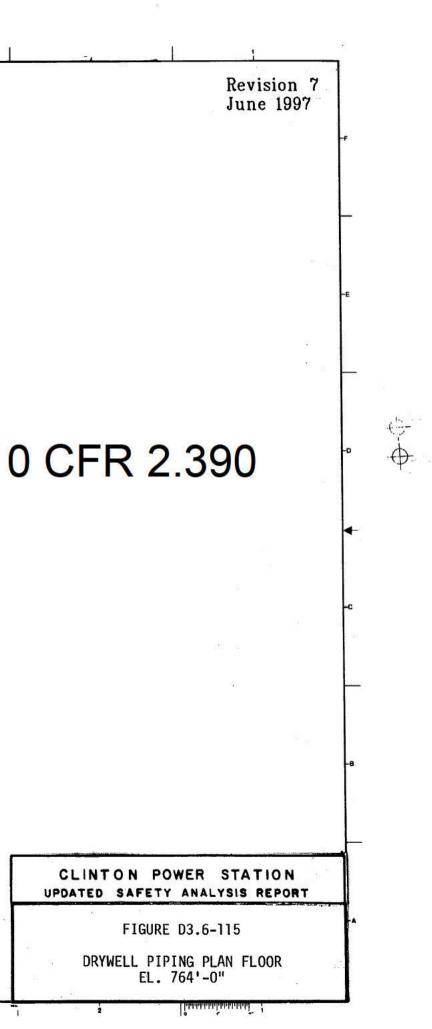


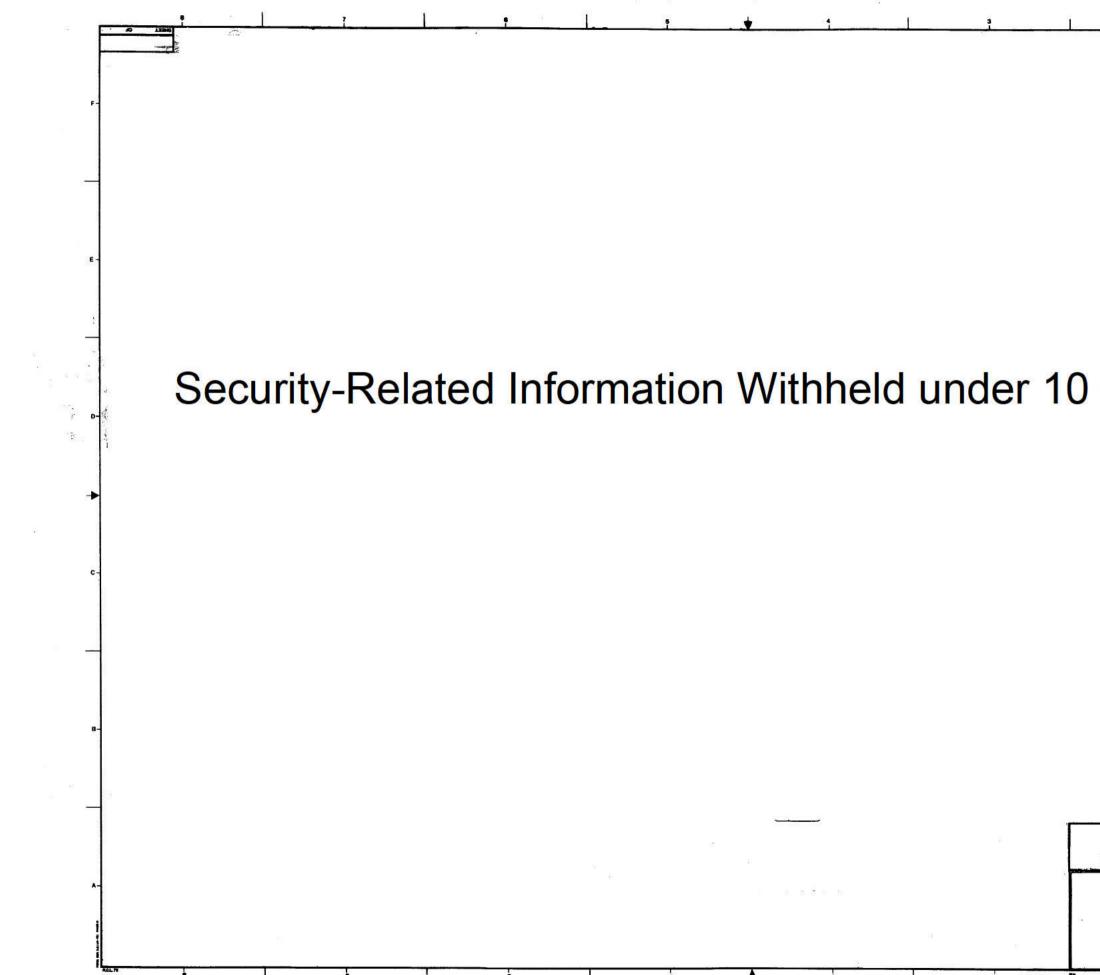




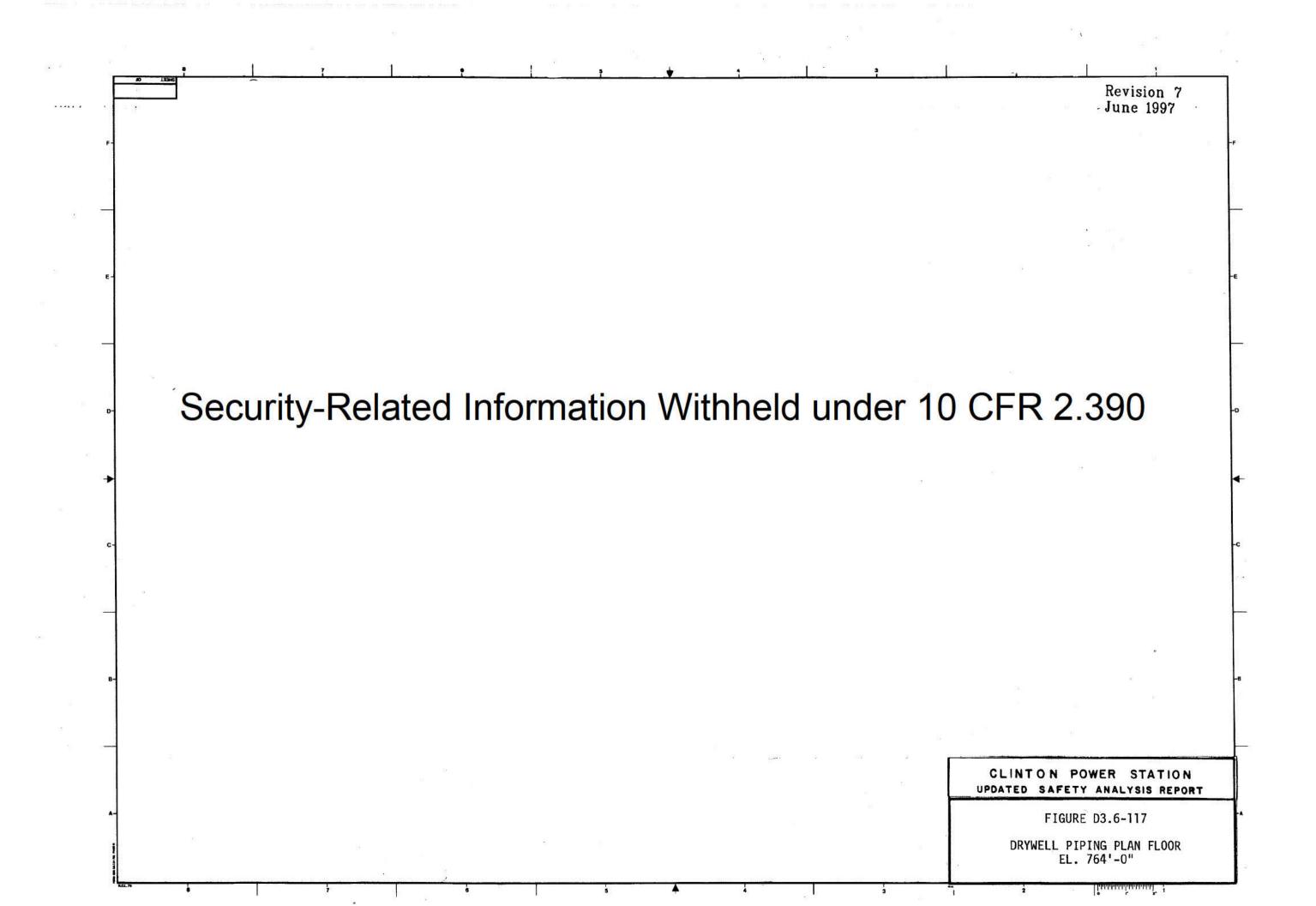




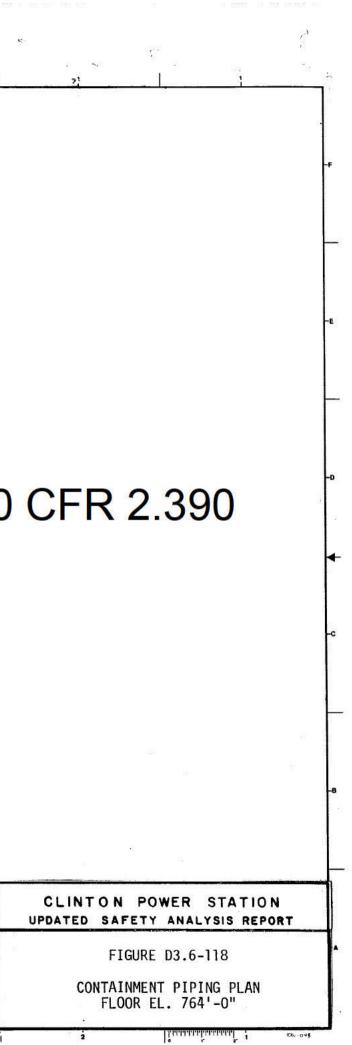


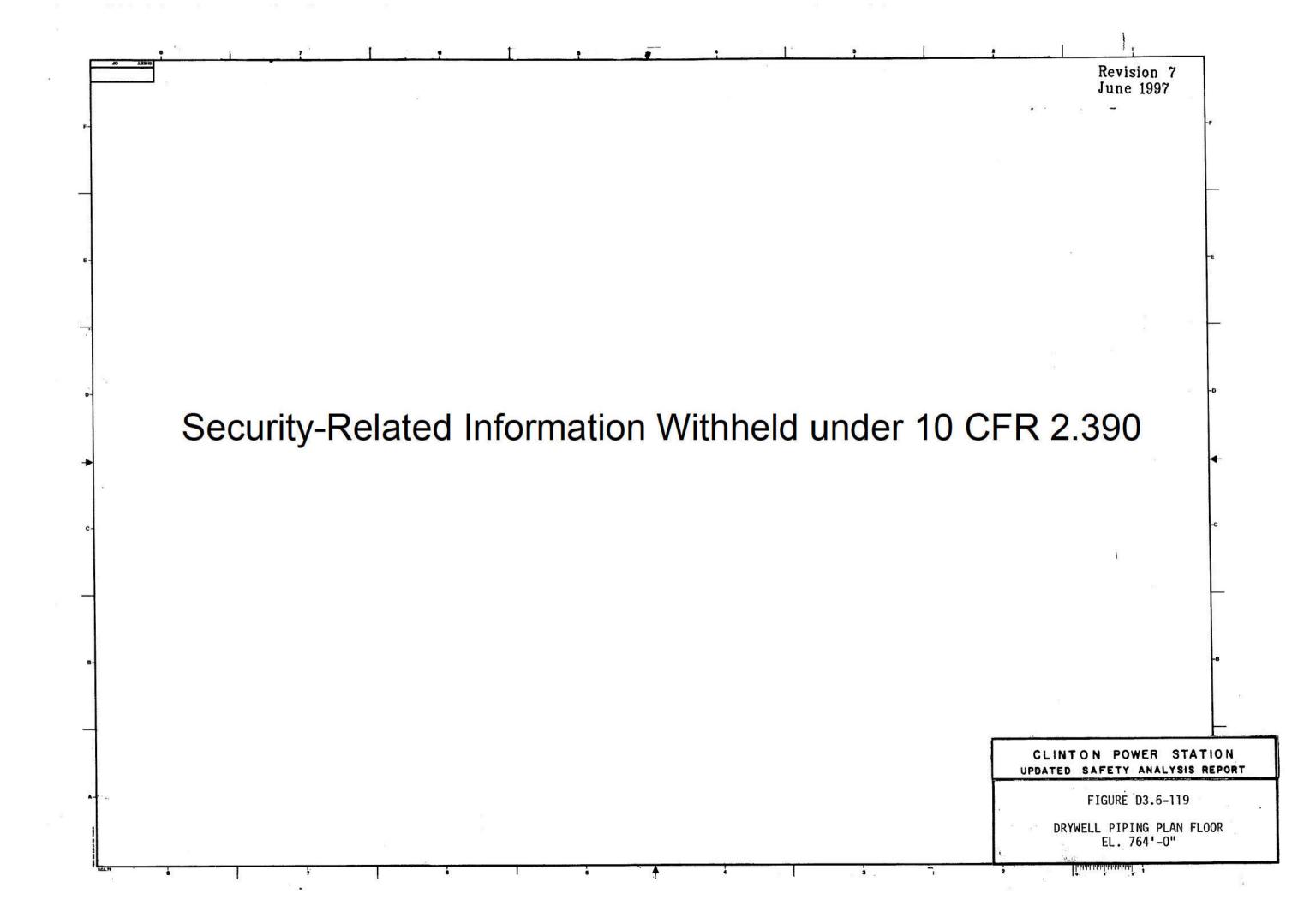


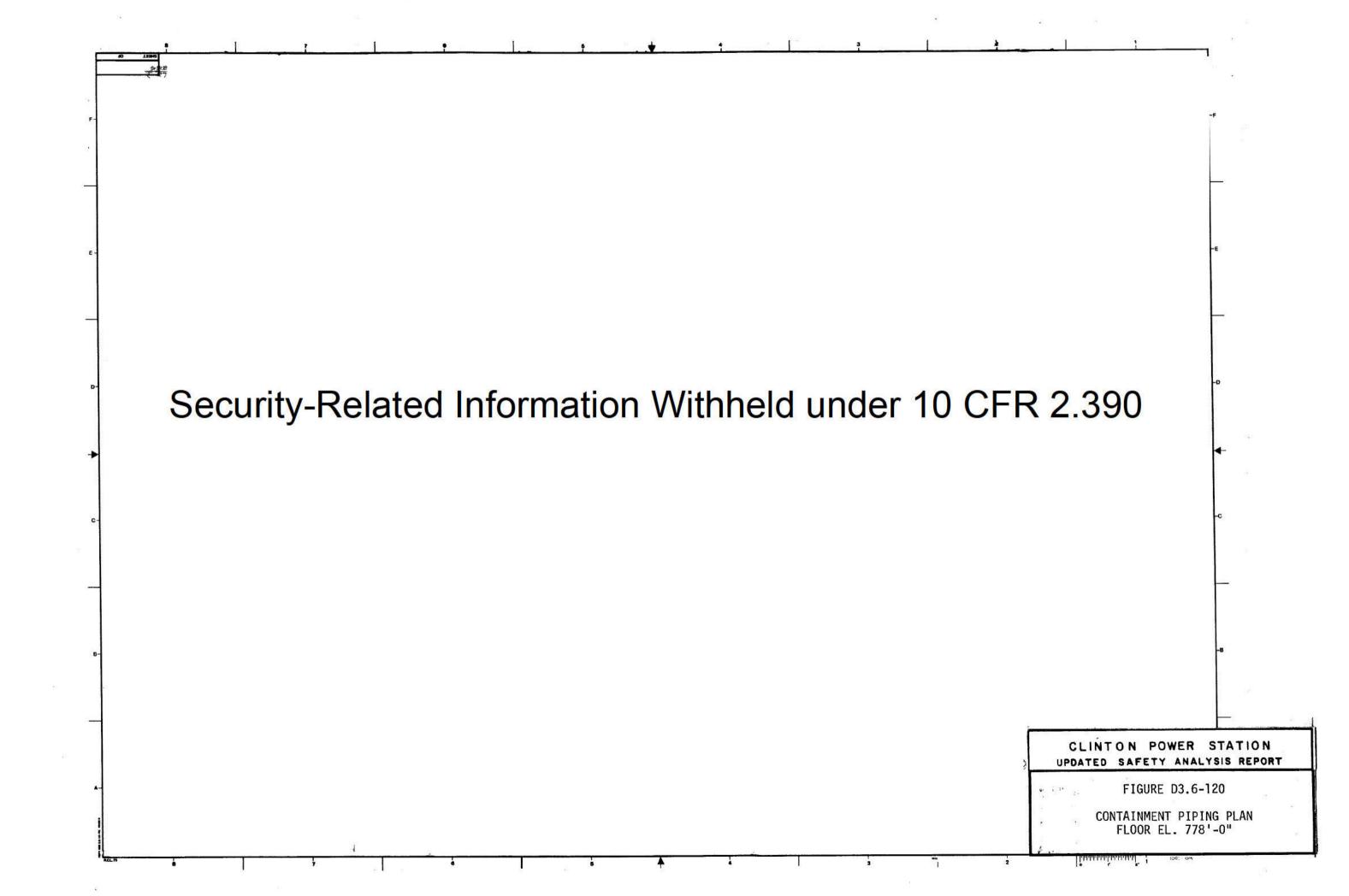
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CONTAINMENT PIPING PLAN FLOOR EL. 764'-0"	
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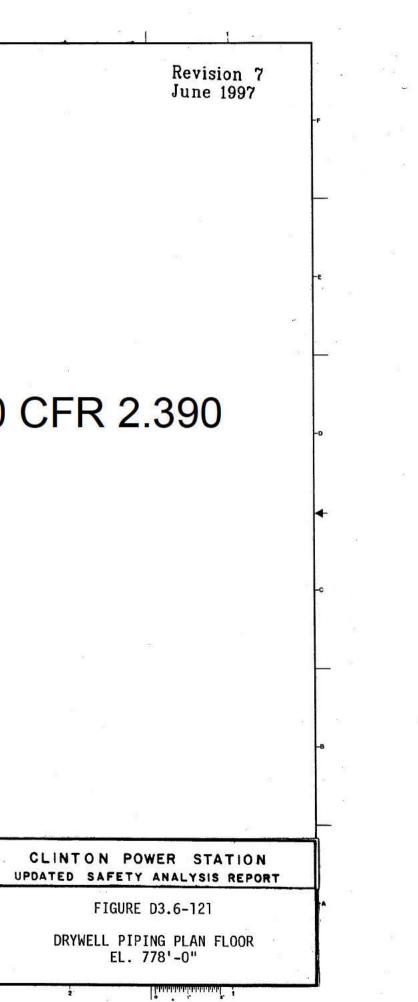


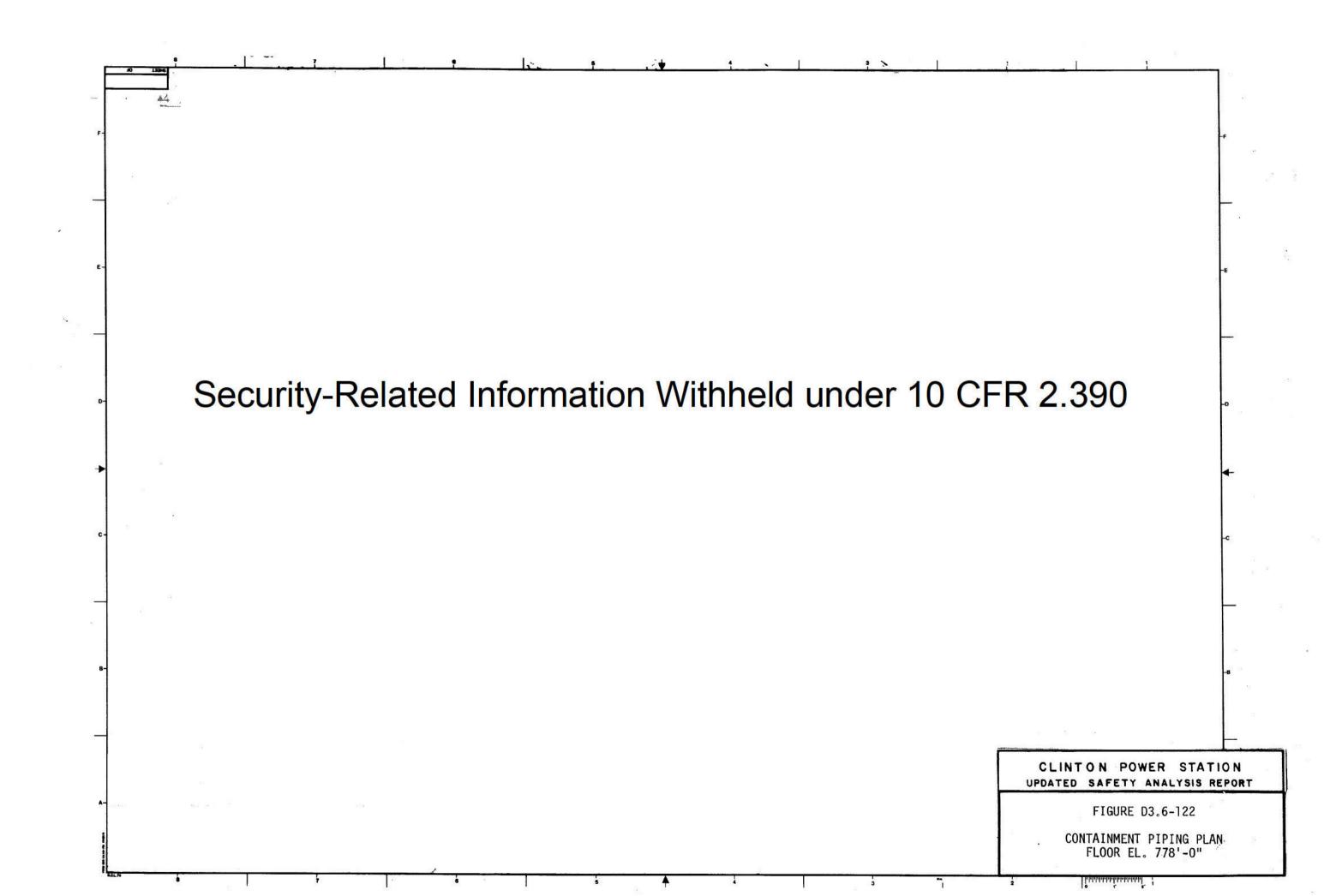


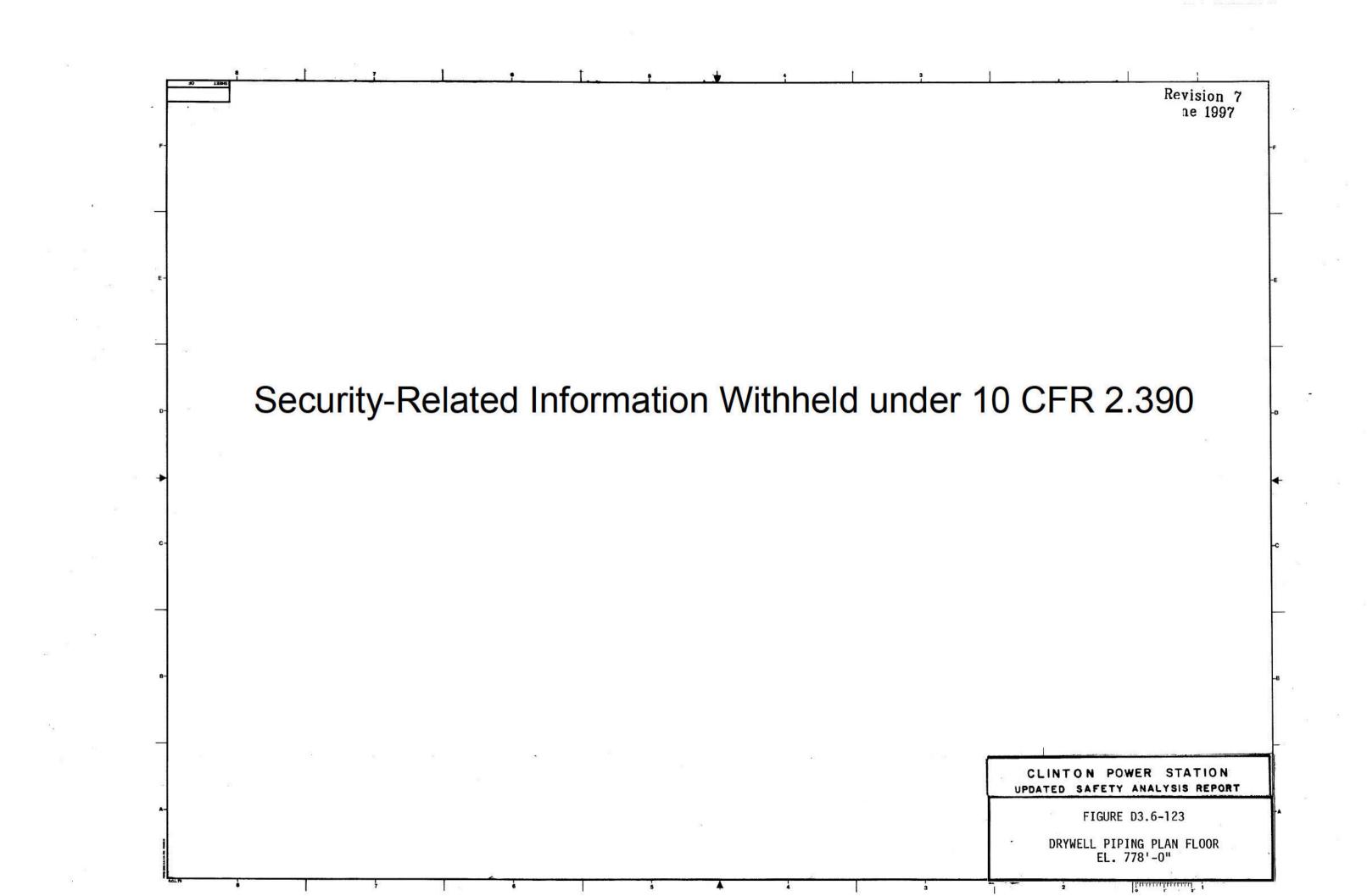


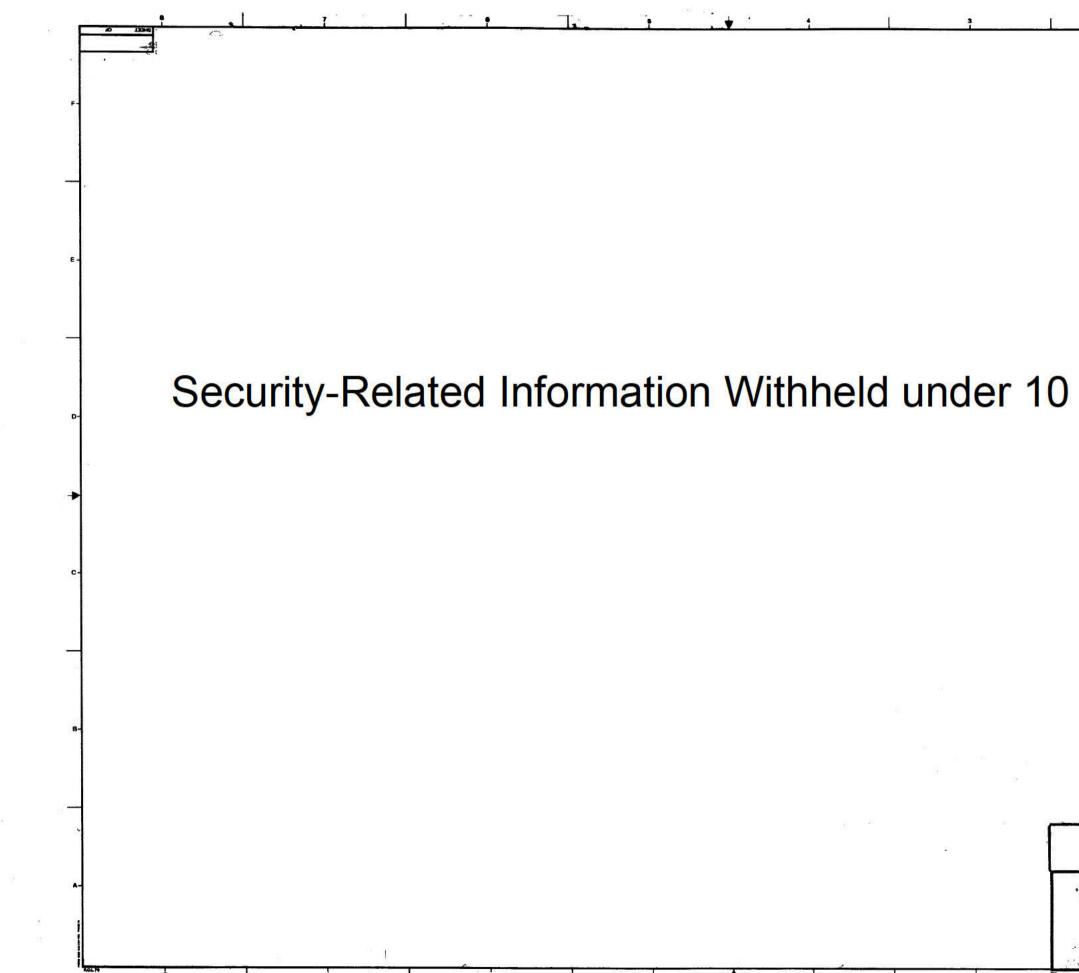




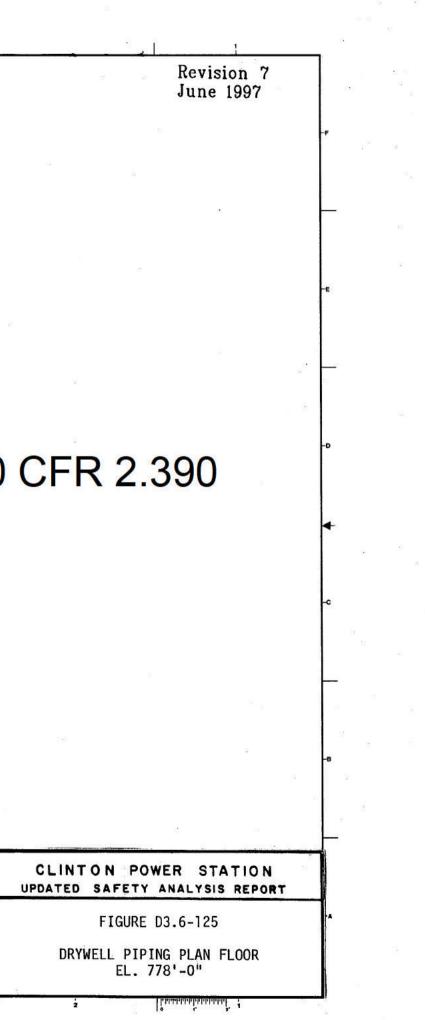


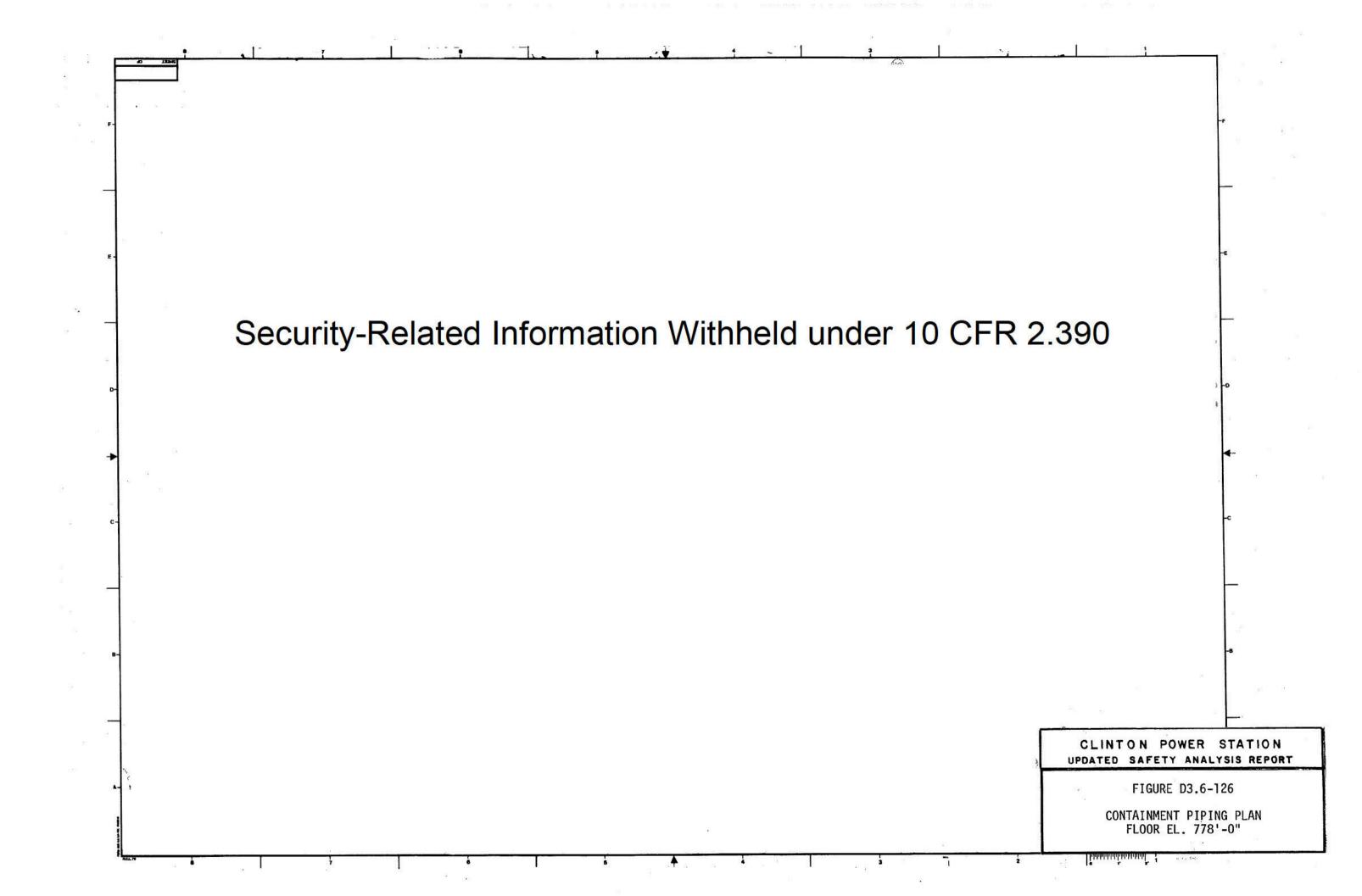


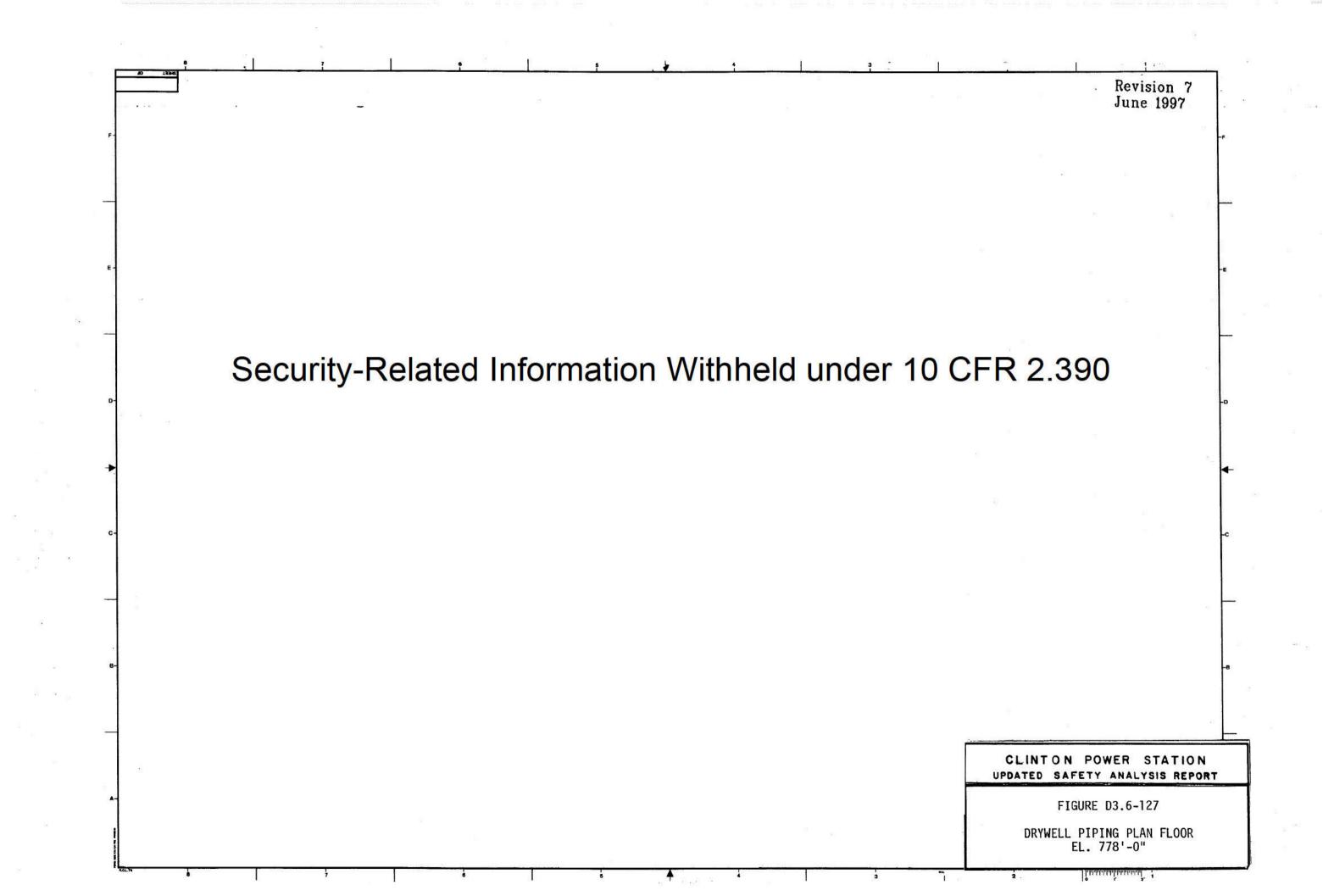


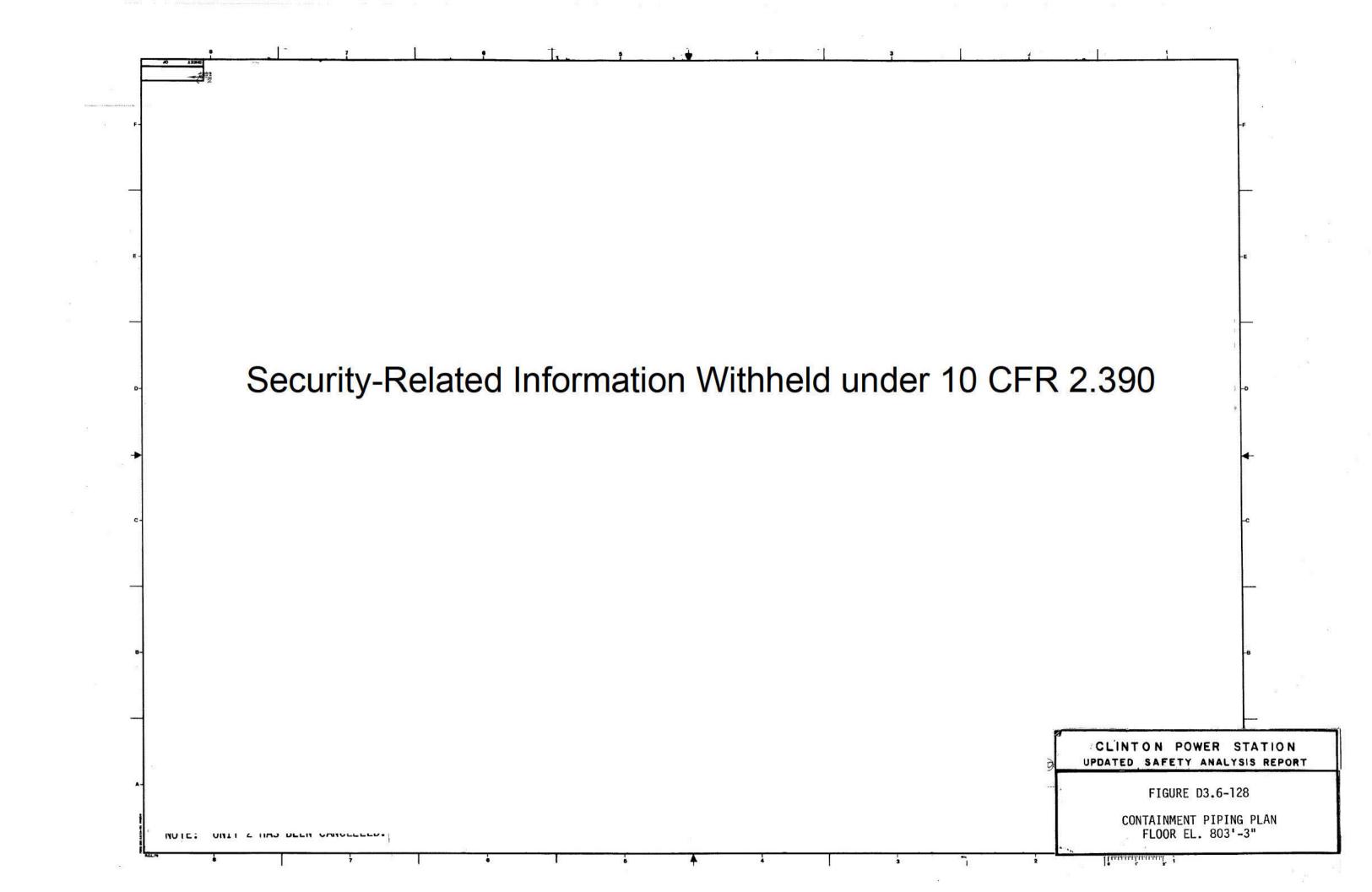


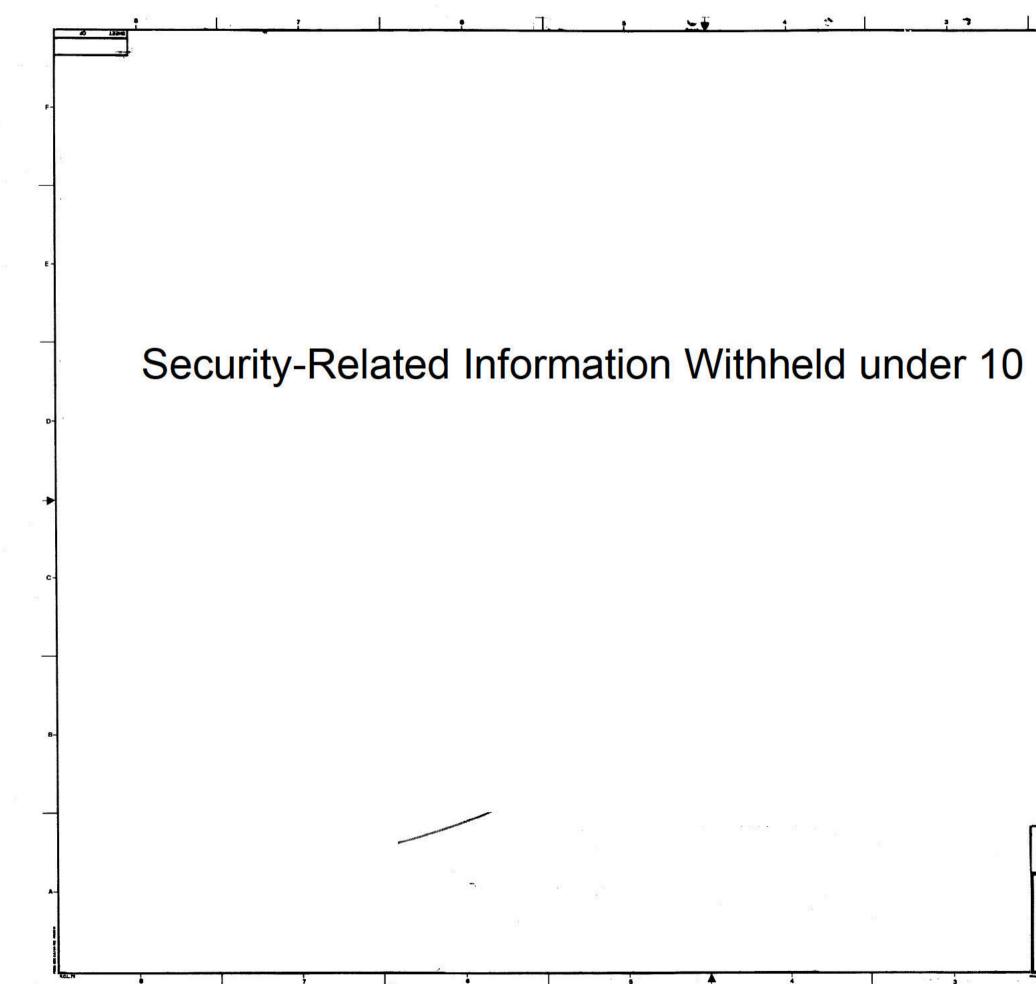
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CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT	
FIGURE D3.6-124 CONTAINMENT PIPING PLAN FLOOR EL. 778'-0"	- A



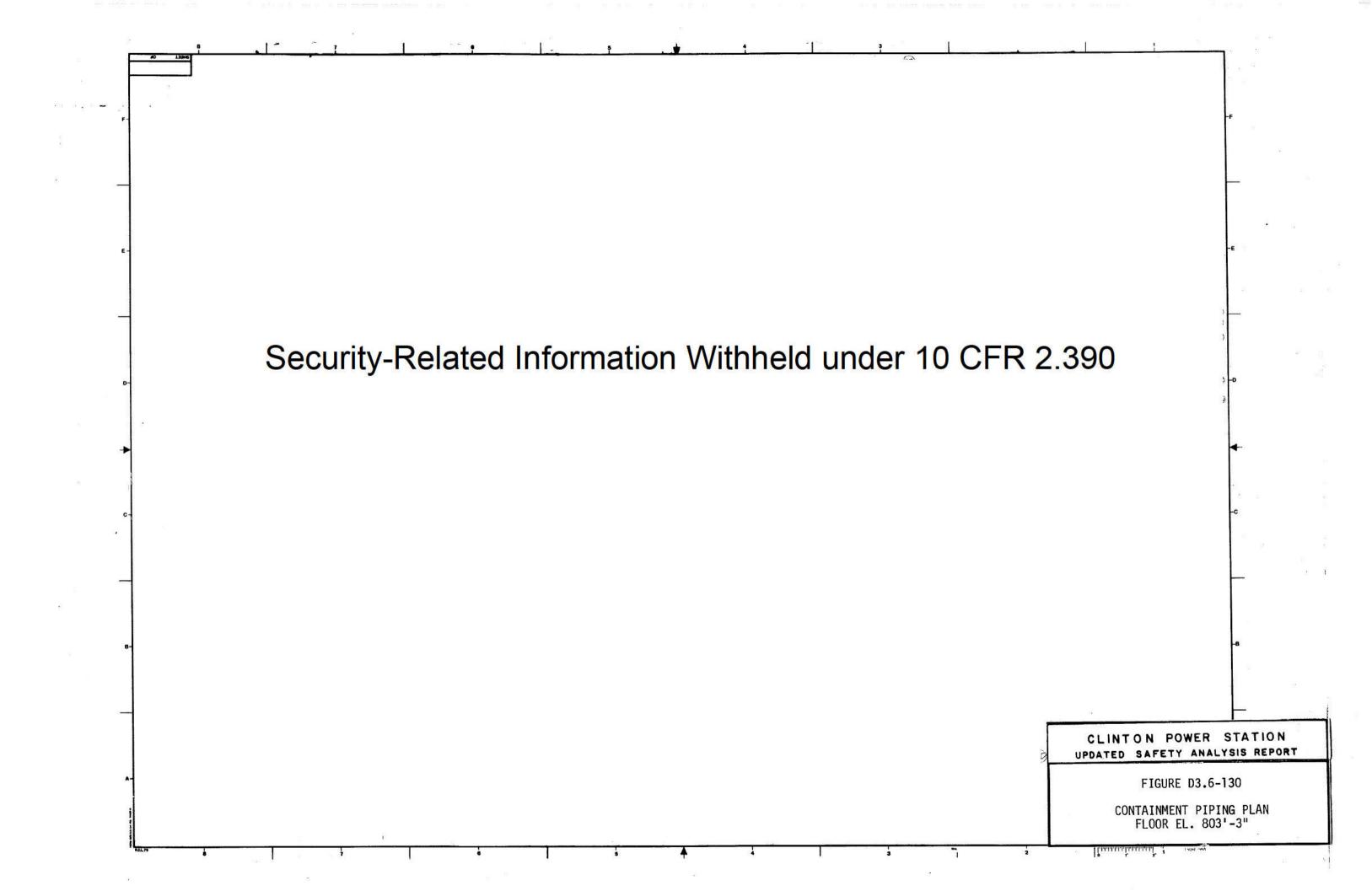


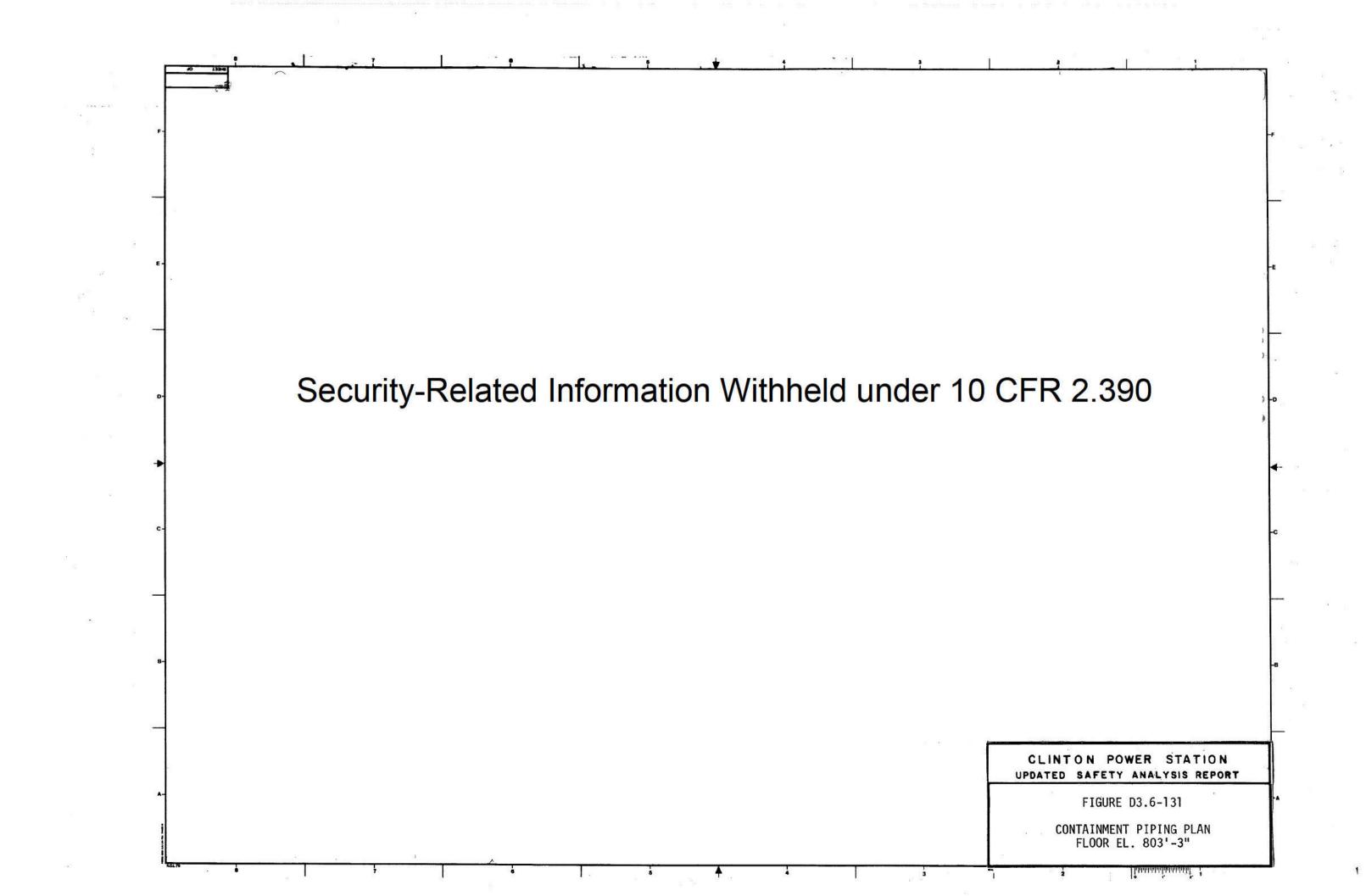


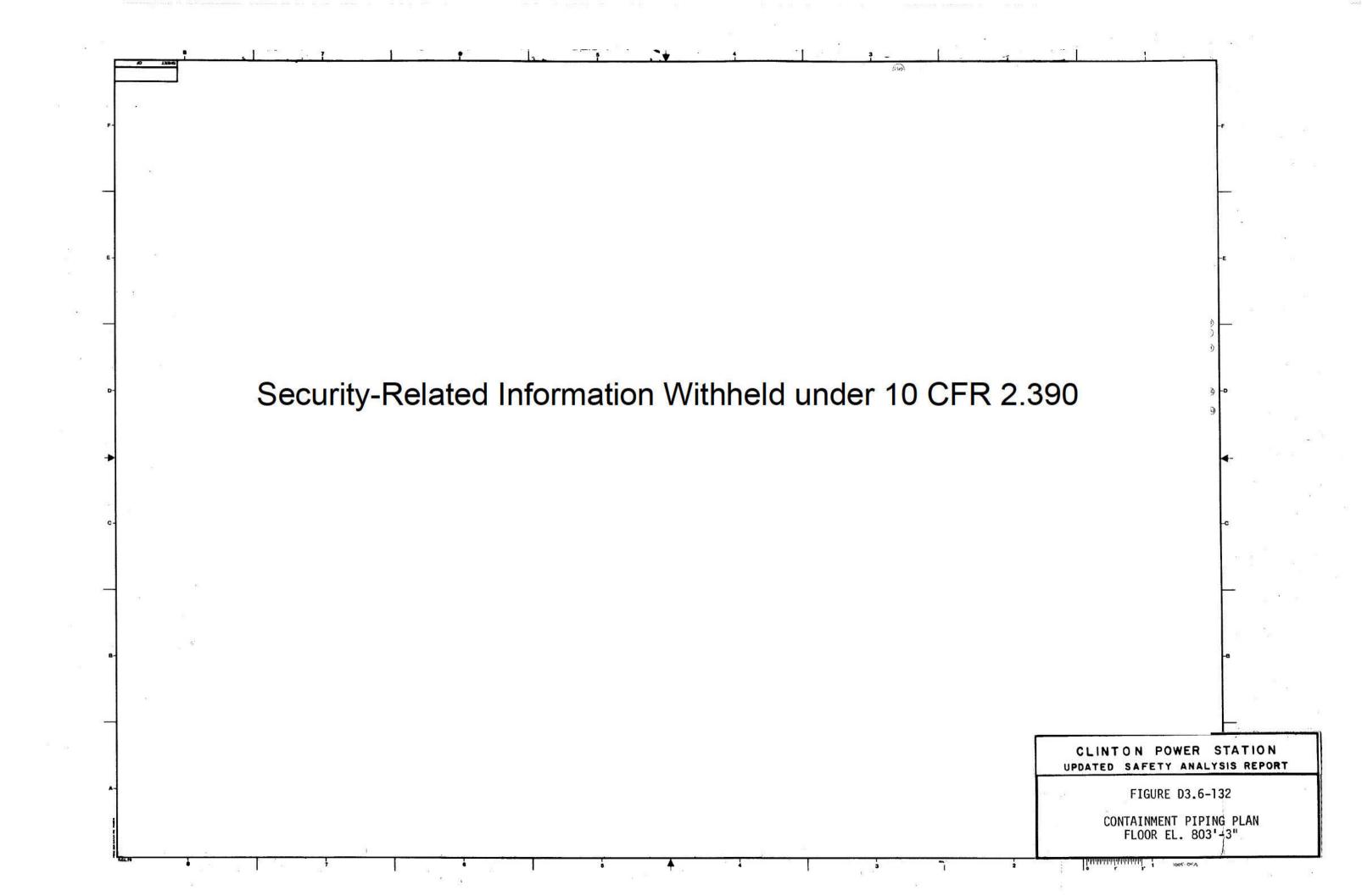


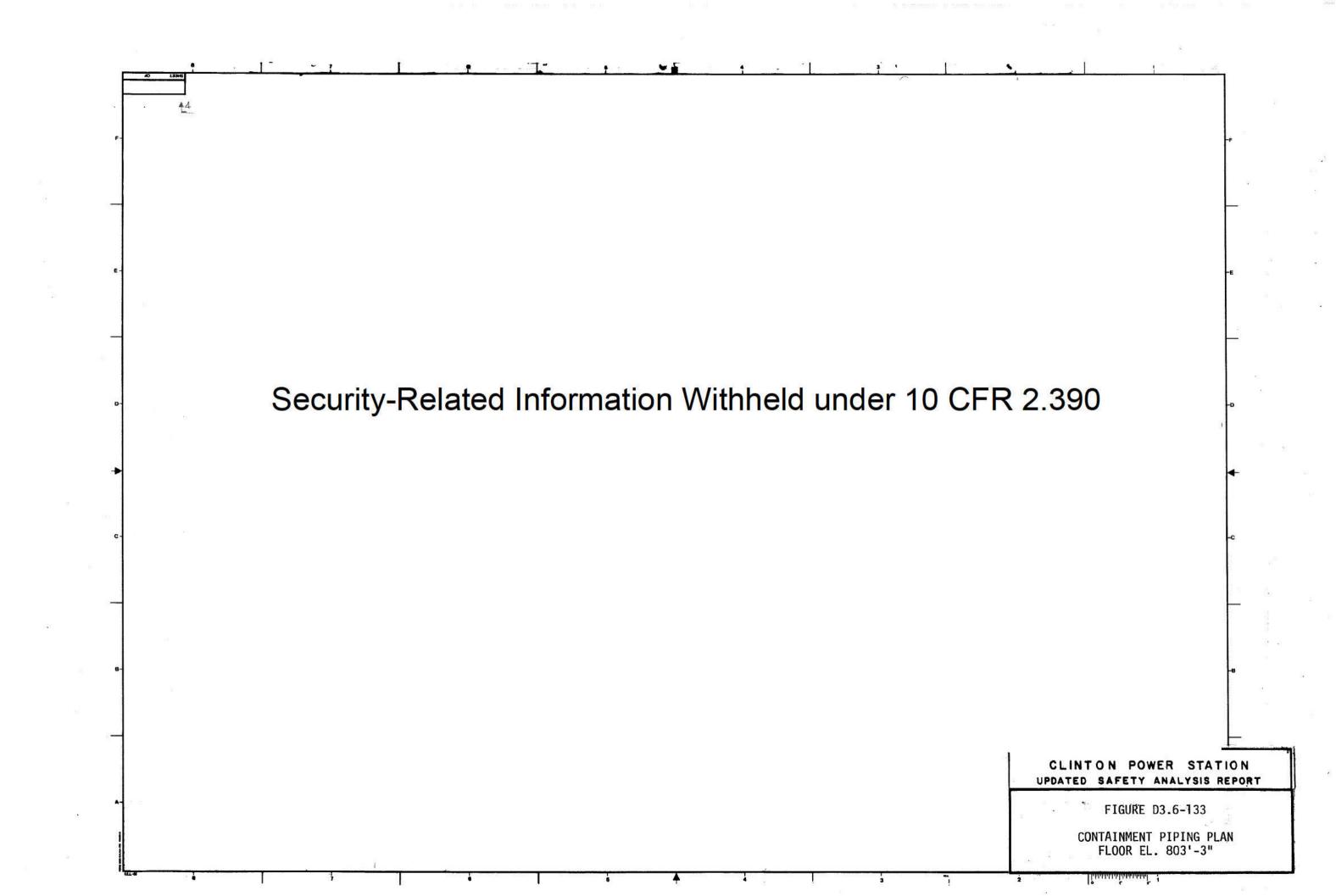


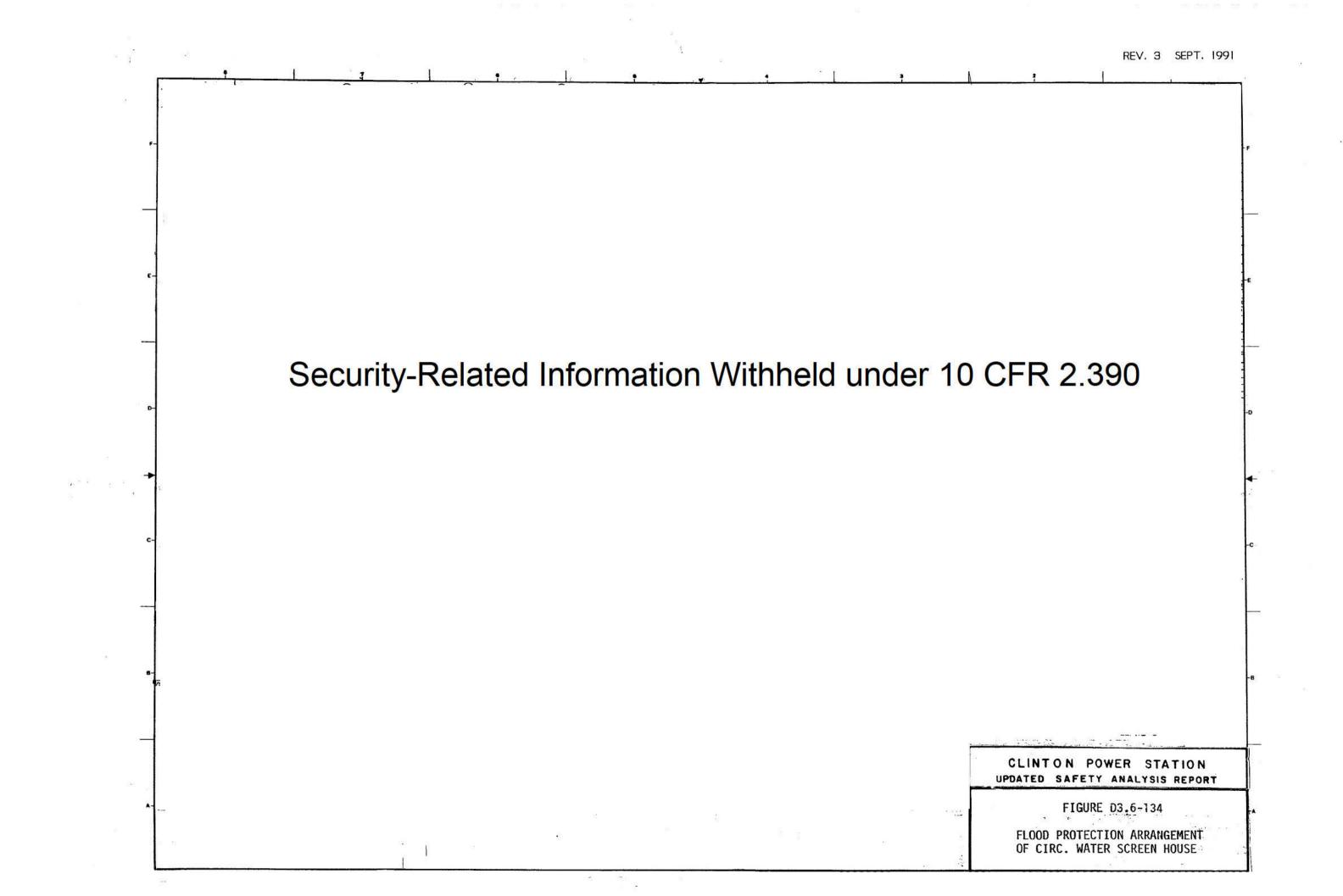
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CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT	
FIGURE D3.6-129	*
CONTAINMENT PIPING PLAN FLOOR EL. 803'-3"	~
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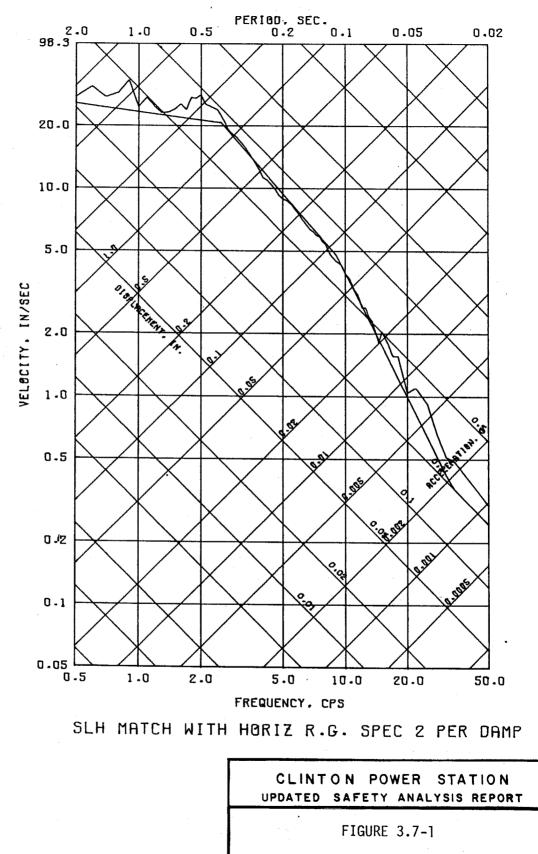












HORIZONTAL RESPONSE SPECTRA (2% DAMPING)

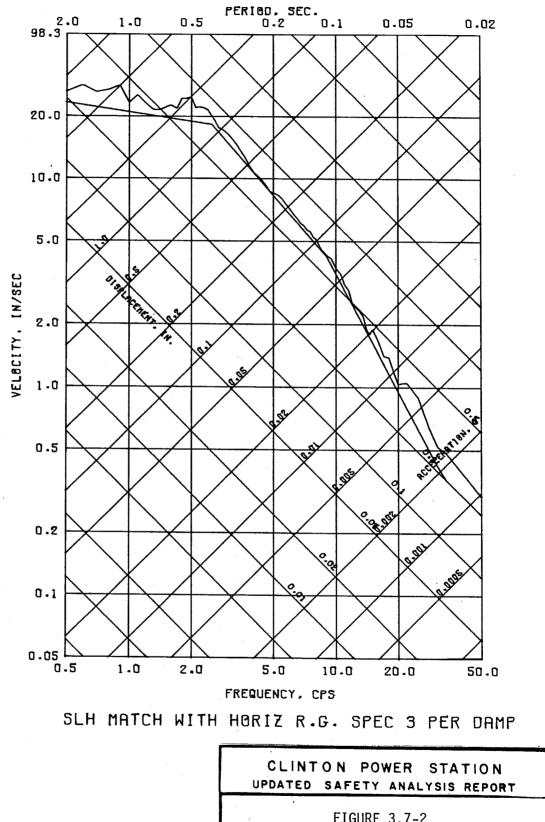
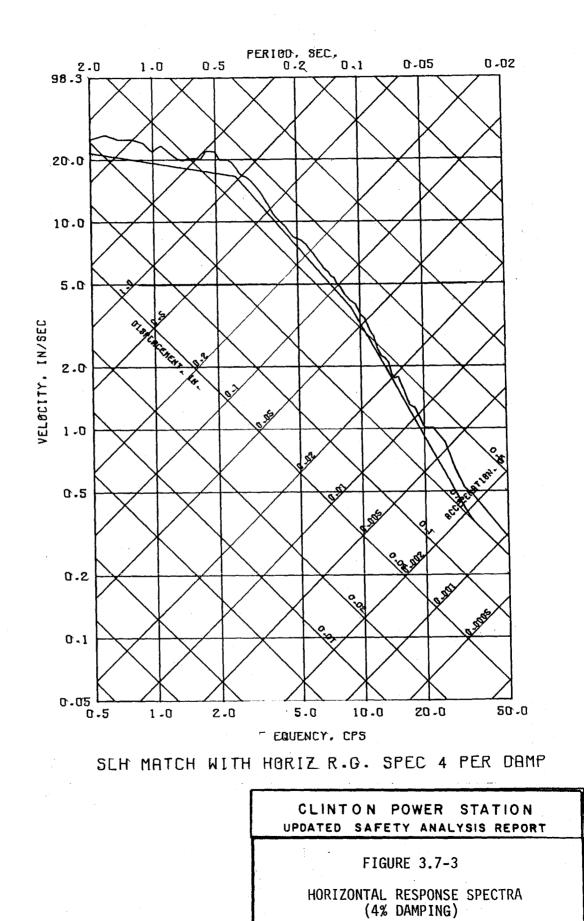
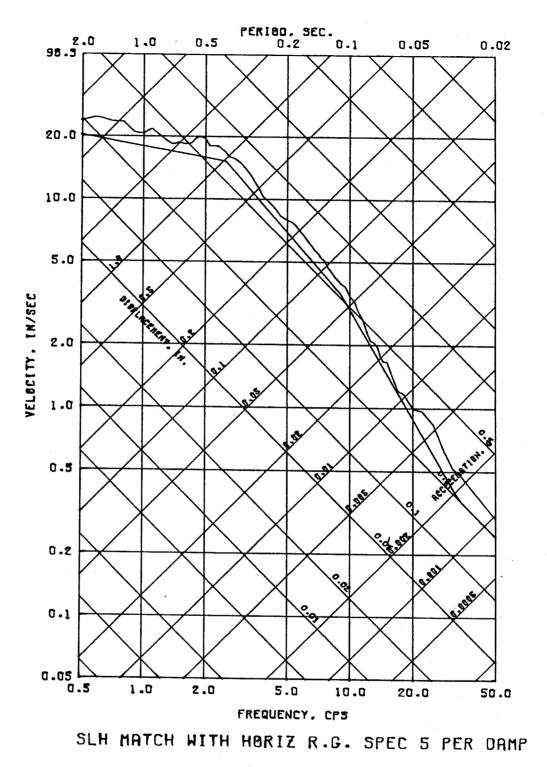


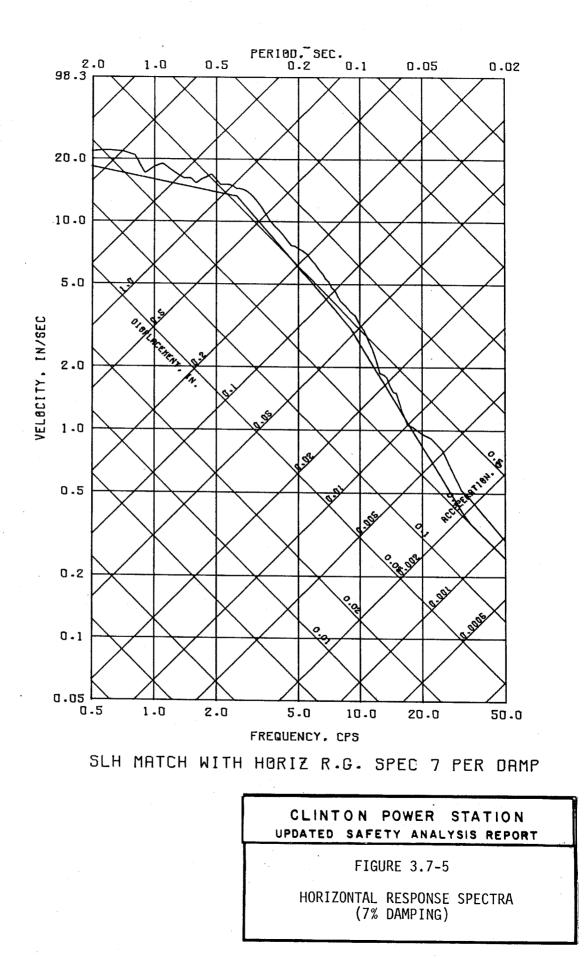
FIGURE 3.7-2

HORIZONTAL RESPONSE SPECTRA (3% DAMPING)





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



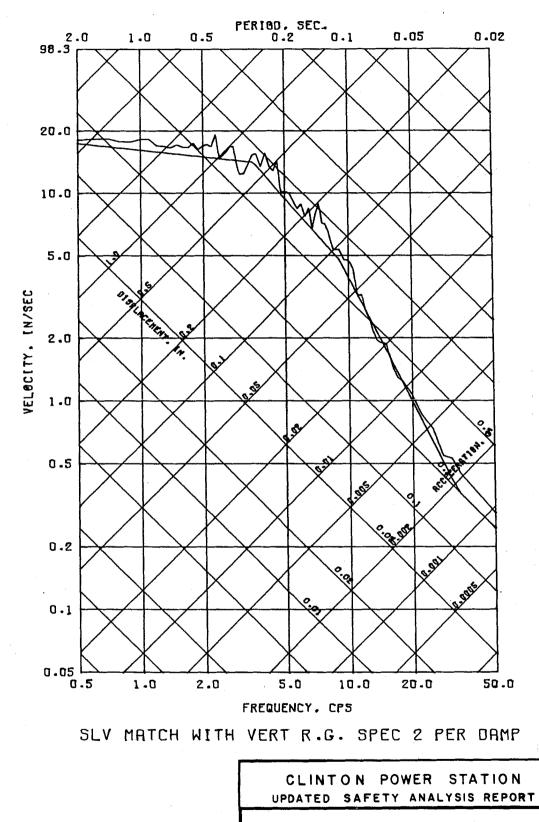
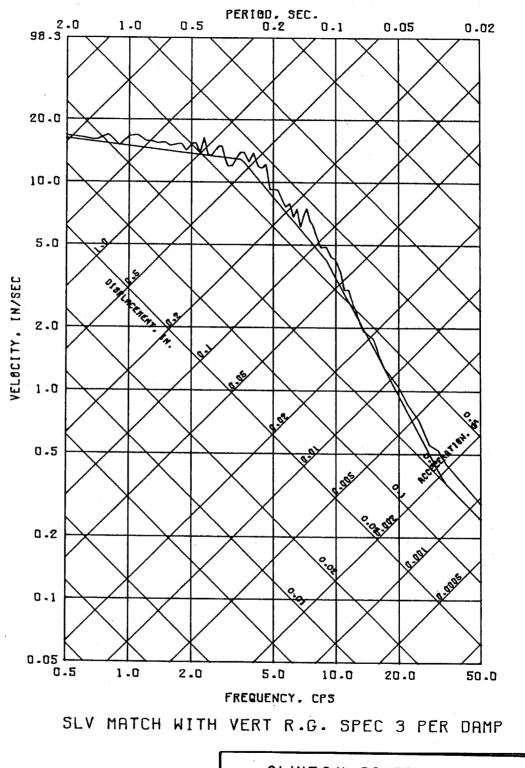


FIGURE 3.7-6

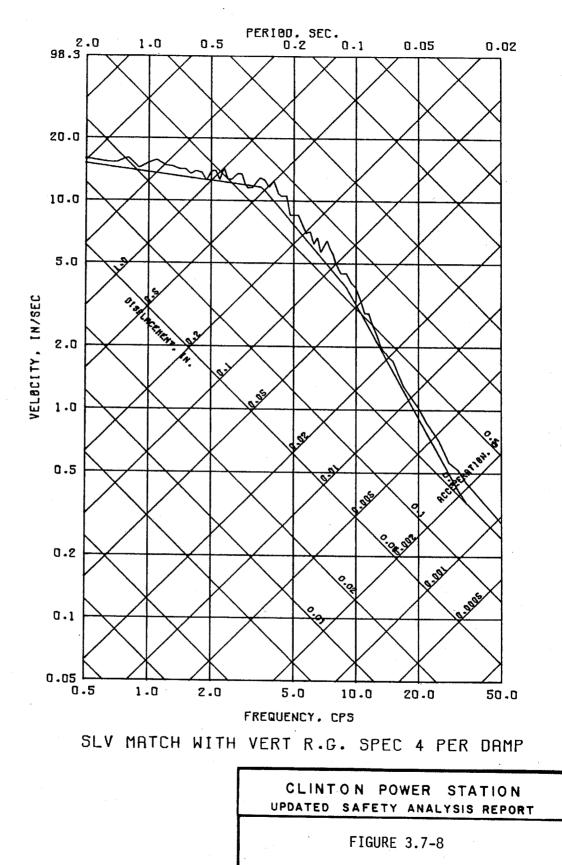
VERTICAL RESPONSE SPECTRA (2% DAMPING)



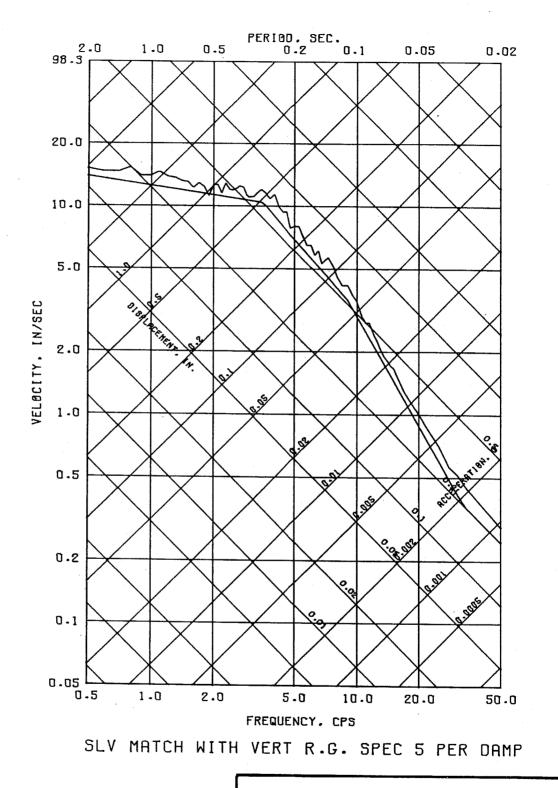
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-7

VERTICAL RESPONSE SPECTRA (3% DAMPING)



VERTICAL RESPONSE SPECTRA (4% DAMPING)



CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-9

VERTICAL RESPONSE SPECTRA (5% DAMPING)

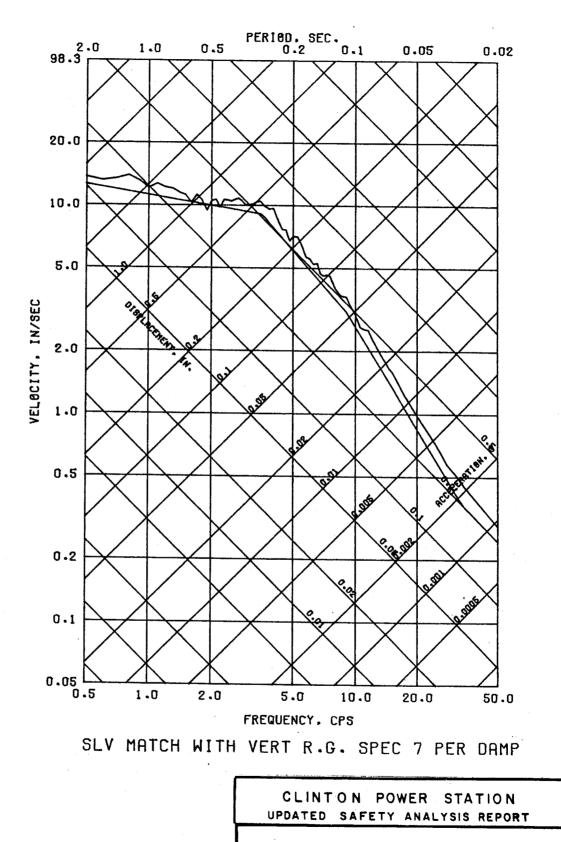
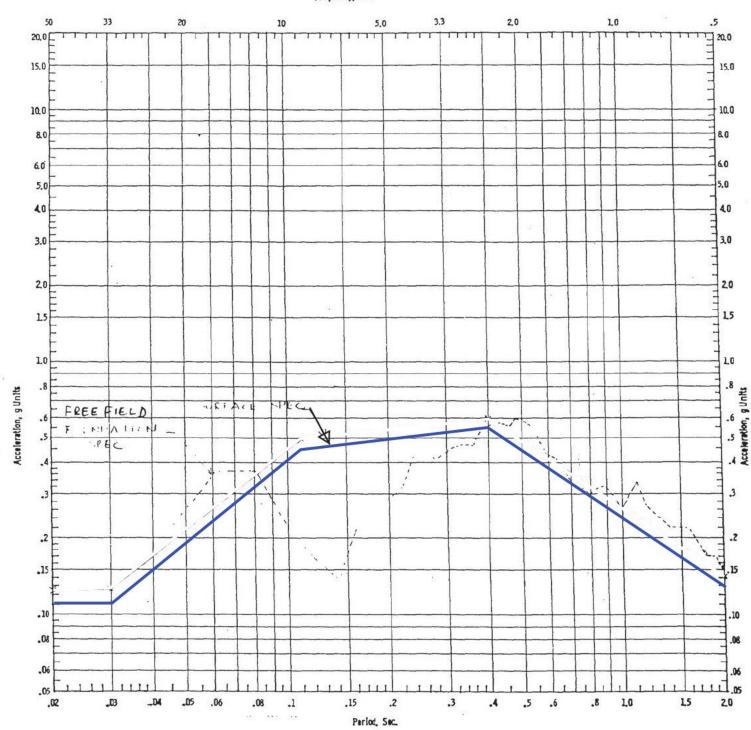


FIGURE 3.7-10

VERTICAL RESPONSE SPECTRA (7% DAMPING)

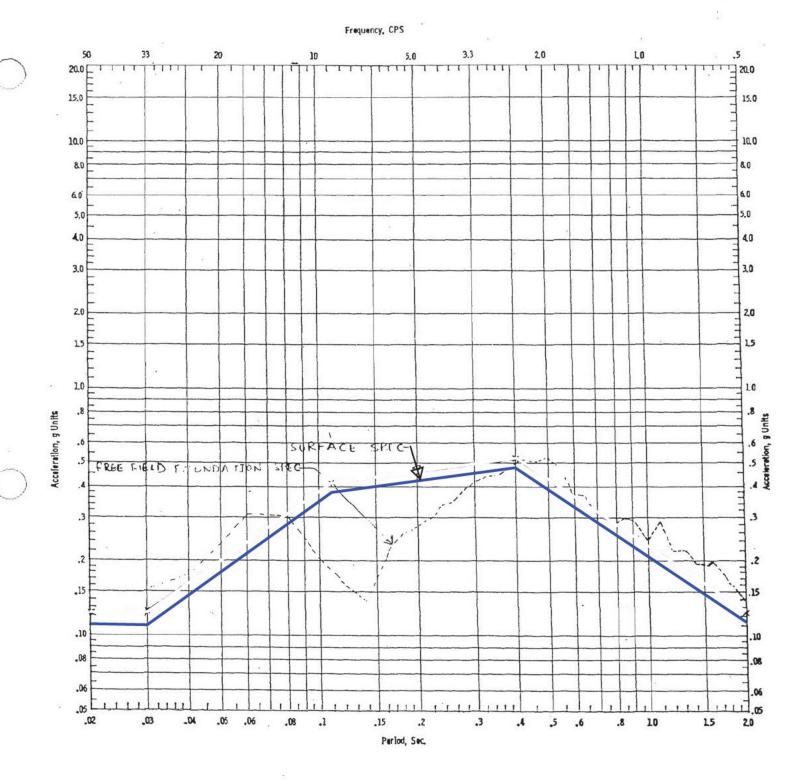
6 Q 6' WISCONSIN GLACIAL TILL	4 @ 5' INTER GLACIAL DEPOSITS		1407 ¹ 2' ILLINOIAN GLACIAL TILL		I @ IO' LACUSTRINE DEPOSITS		5 @ 15' PRE-ILLINOIAN TILL		//kock/////////////////////////////////
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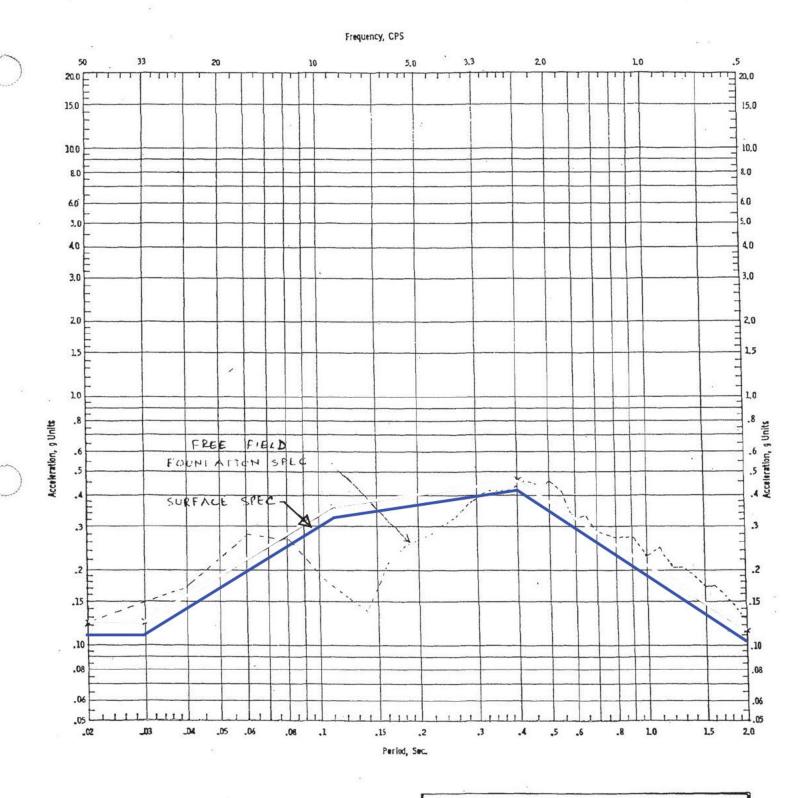
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT FIGURE 3.7-12 COMPARISON BETWEEN FREE FIELD FOUNDATION AND SURFACE SPECTRA FOR OBE HORIZONTAL 1% DAMPING

Frequency, CPS

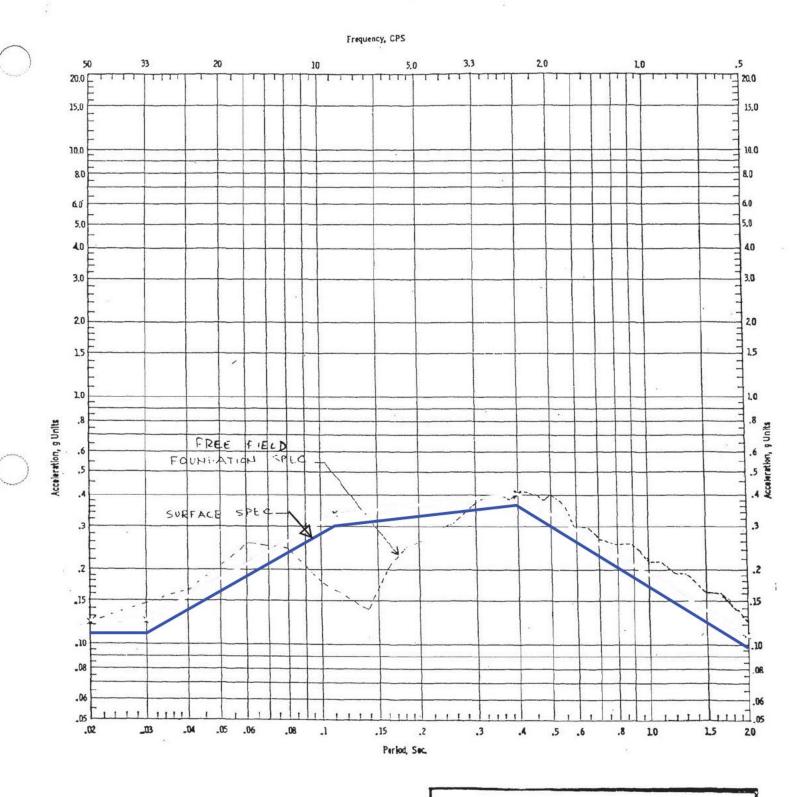




CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT FIGURE 3.7-13 COMPARISON BETWEEN FREE FIELD FOUNDATION AND SURFACE SPECTRA FOR OBE HORIZONTAL 2% DAMPING

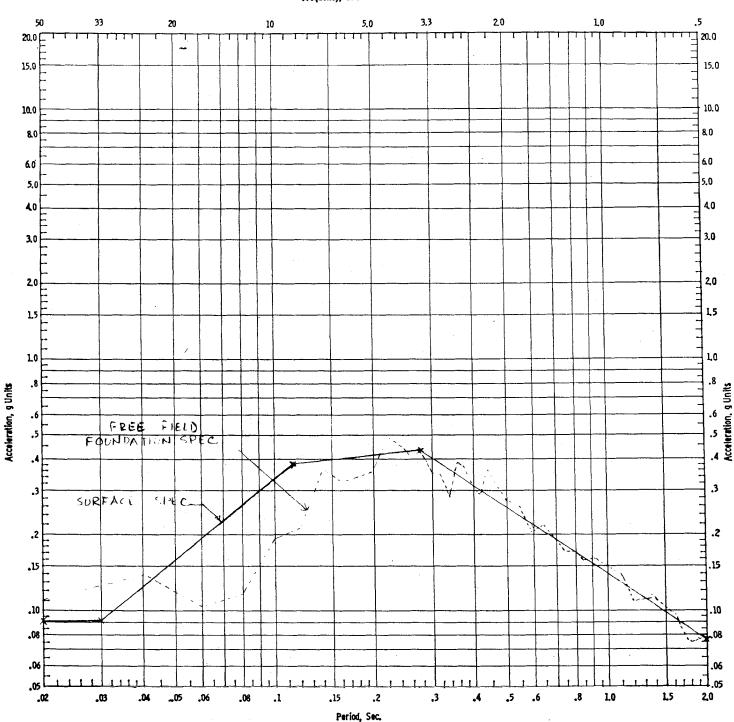


CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT FIGURE 3.7-14 COMPARISON BETWEEN FREE FIELD FOUNDATION AND SURFACE SPECTRA FOR OBE HORIZONTAL 3% DAMPING



CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT FIGURE 3.7-15 COMPARISON BETWEEN FREE FIELD

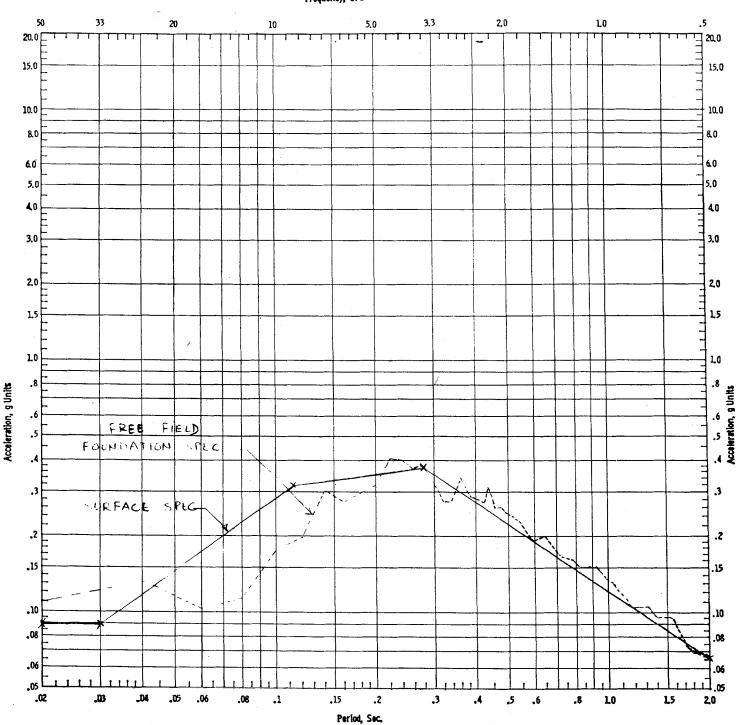
FOUNDATION AND SURFACE SPECTRA FOR OBE HORIZONTAL 4% DAMPING



CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT FIGURE 3.7-16 COMPARISON BETWEEN FREE FIELD

FOUNDATION AND SURFACE SPECTRA FOR OBE VERTICAL 1% DAMPING

Frequency, CPS

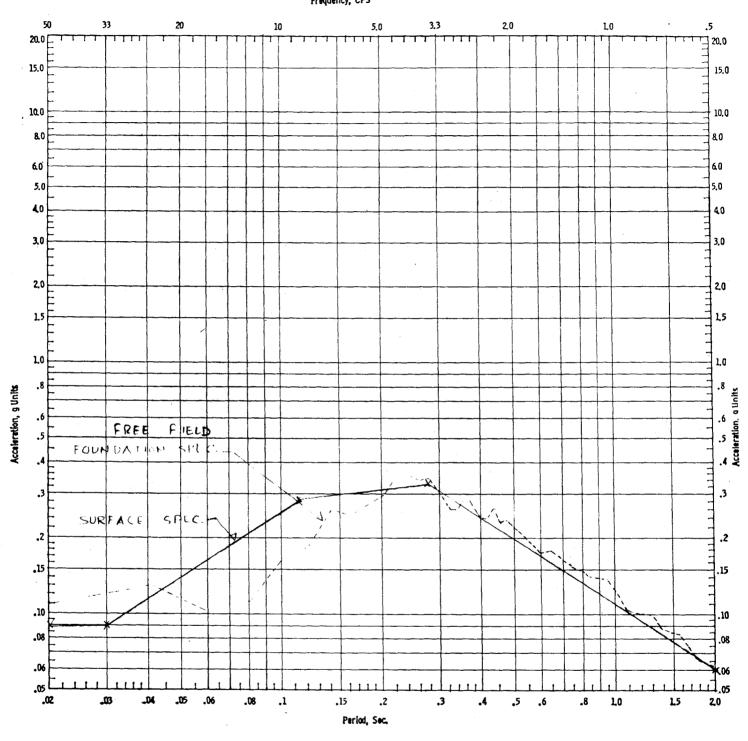


CLINTON POWER STATION updated safety analysis report FIGURE 3.7-17

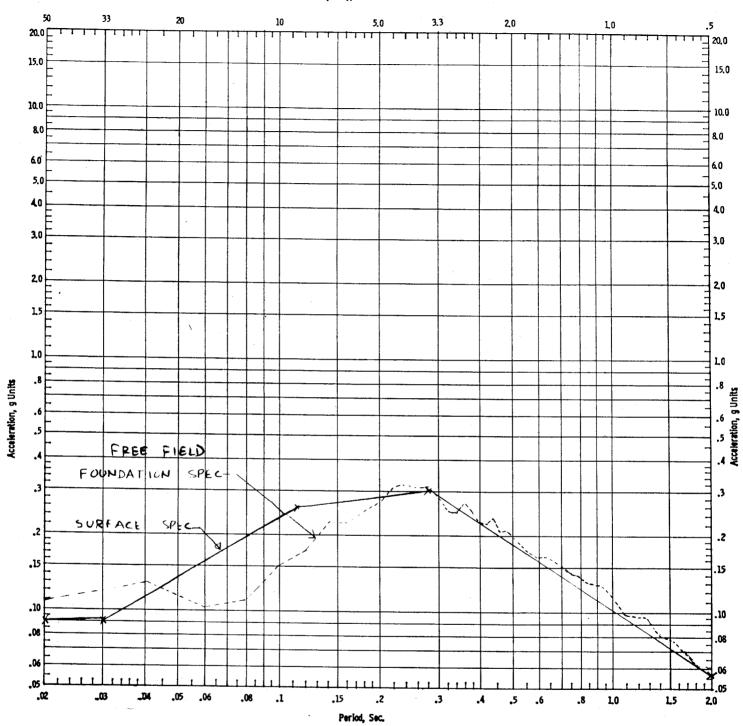
> COMPARISON BETWEEN FREE FIELD FOUNDATION AND SURFACE SPECTRA FOR OBE VERTICAL 2% DAMPING

Frequency, CPS





CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT FIGURE 3.7-18 COMPARISON BETWEEN FREE FIELD FOUNDATION AND SURFACE SPECTRA FOR OBE VERTICAL 3% DAMPING



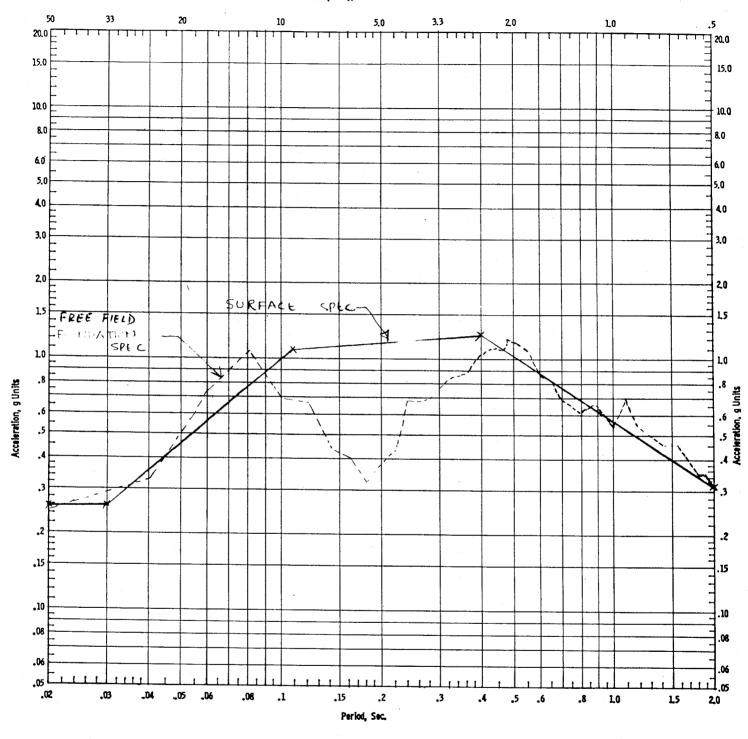
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-19

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

Frequency, CPS

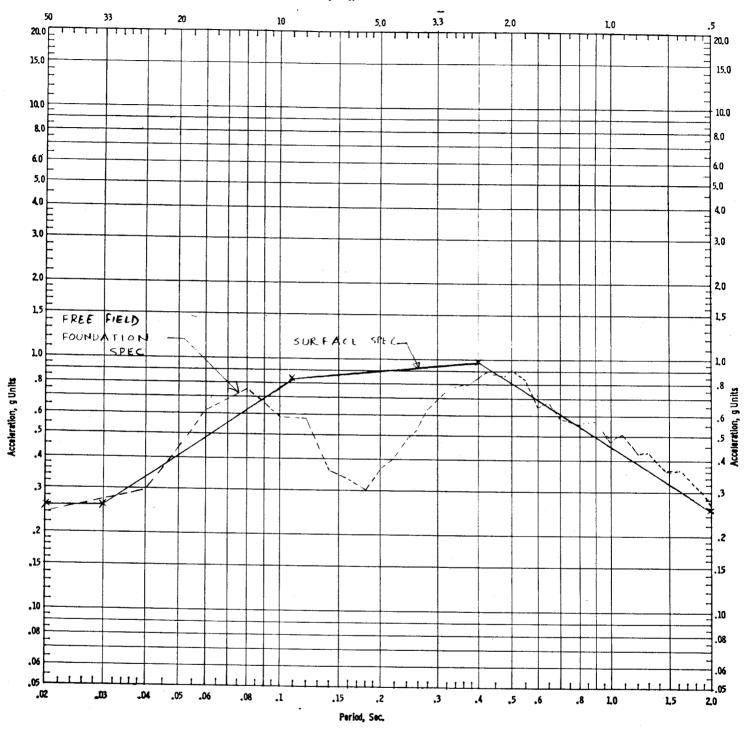
Frequency, CPS

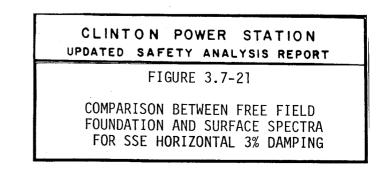


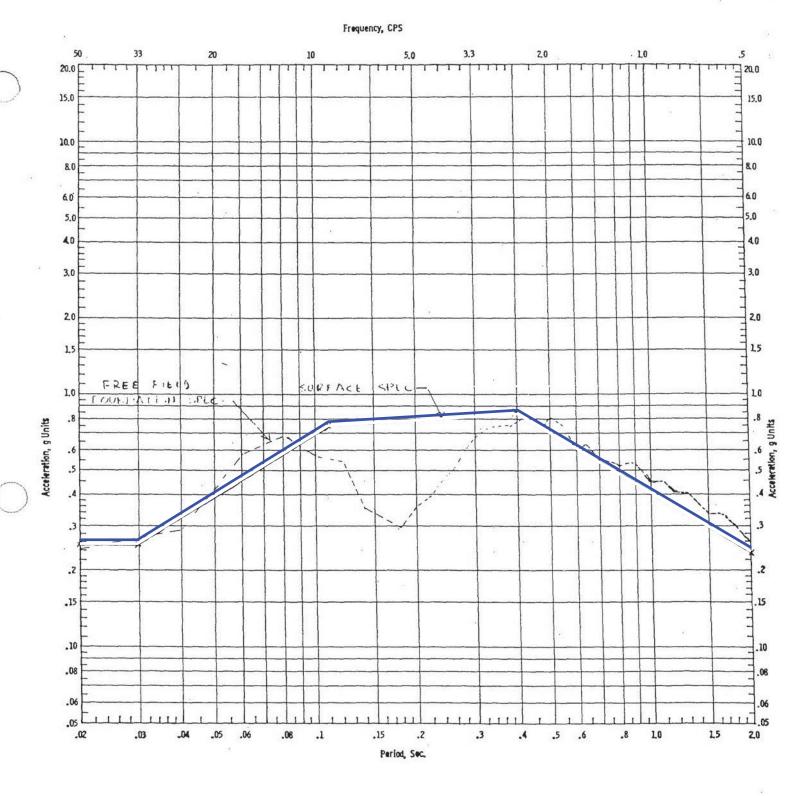
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-20

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



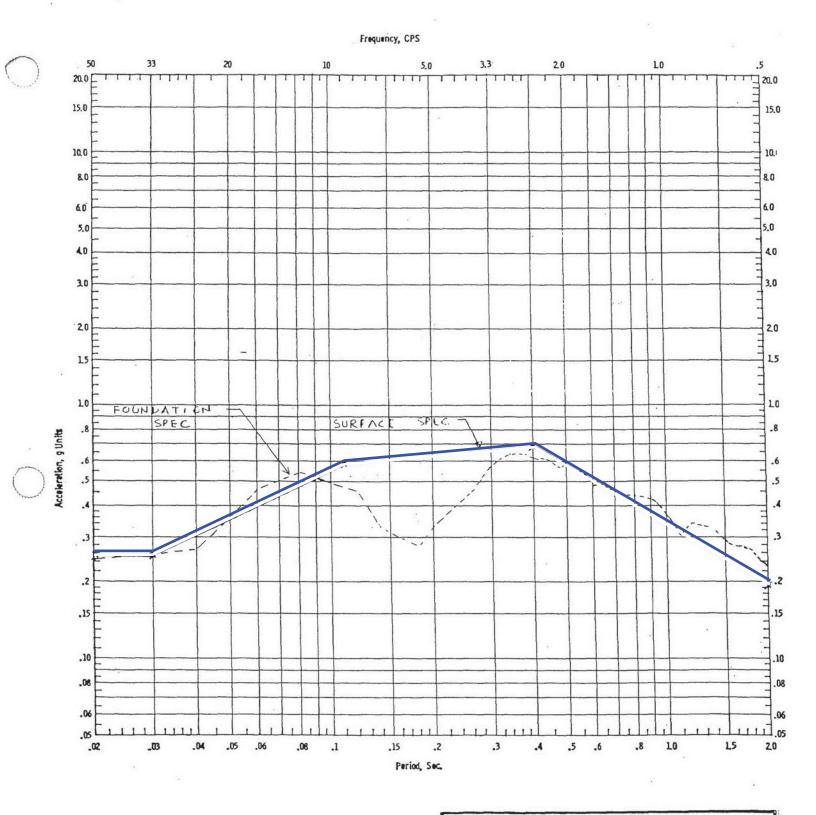


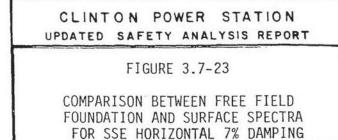


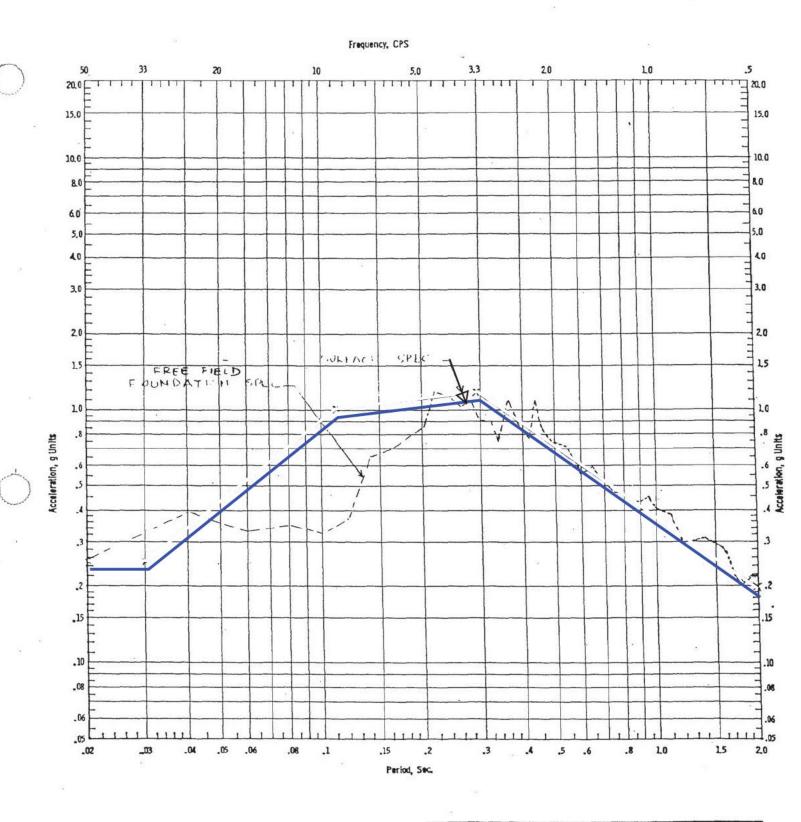
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-22

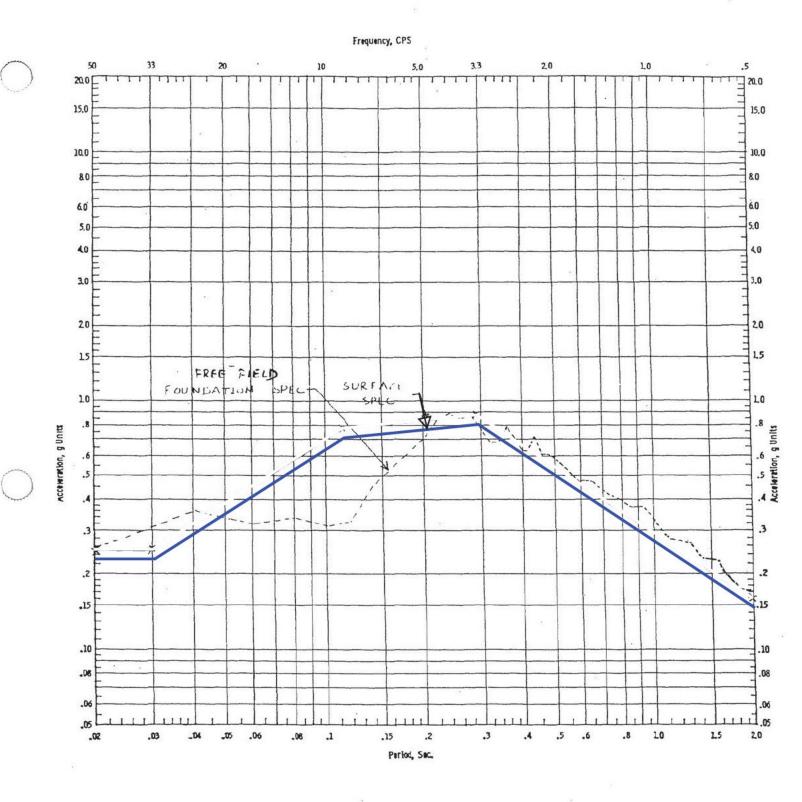
COMPARISON BETWEEN FREE FIELD FOUNDATION AND SURFACE SPECTRA FOR SSE HORIZONTAL 4% DAMPING







CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT FIGURE 3.7-24 COMPARISON BETWEEN FREE FIELD FOUNDATION AND SURFACE SPECTRA FOR SSE VERTICAL 1% DAMPING



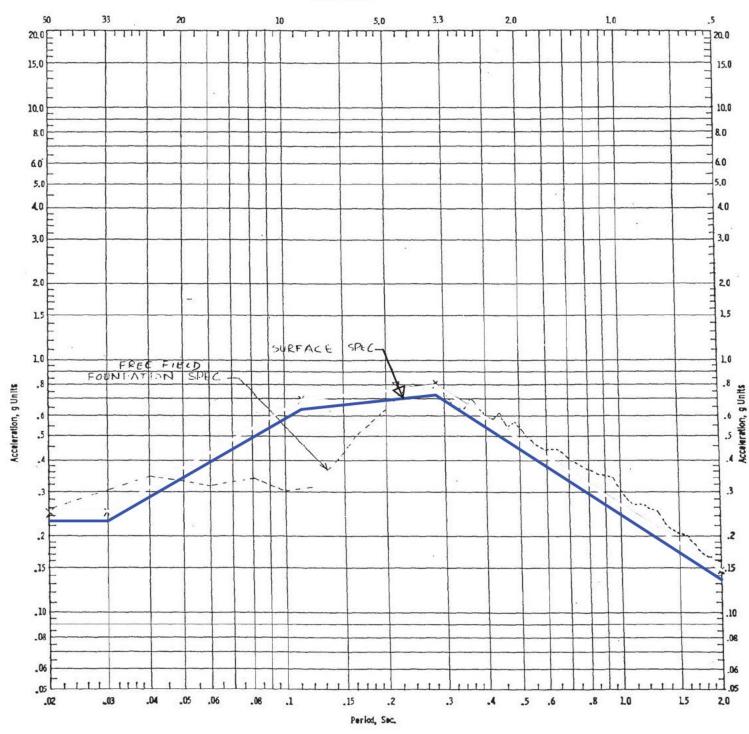
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-25

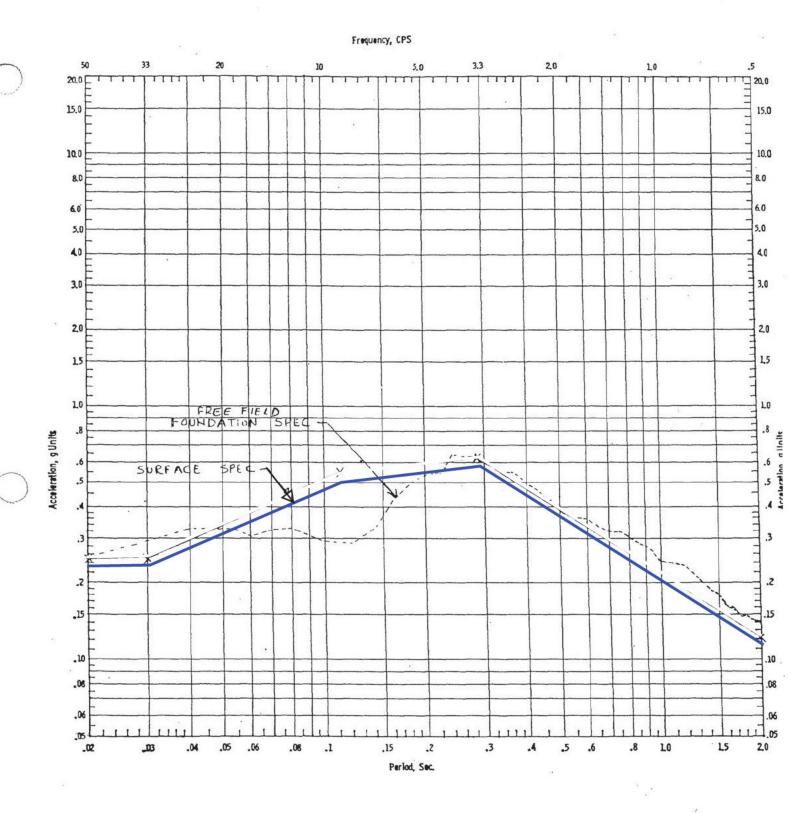
COMPARISON BETWEEN FREE FIELD FOUNDATION AND SURFACE SPECTRA FOR SSE VERTICAL 3% DAMPING

REVISION 21 OCTOBER 2020



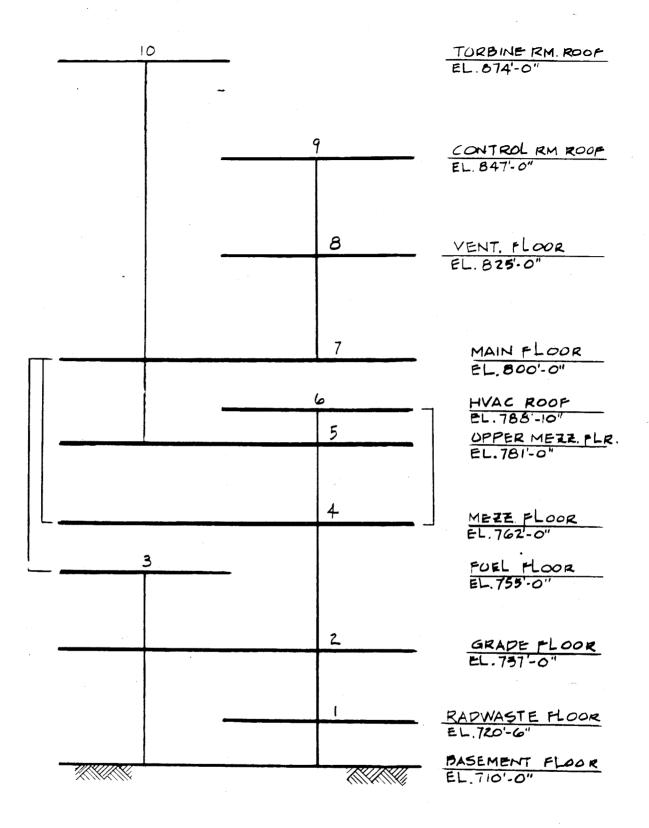


CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT FIGURE 3.7-26 COMPARISON BETWEEN FREE FIELD FOUNDATION AND SURFACE SPECTRA FOR SSE VERTICAL 4% DAMPING



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

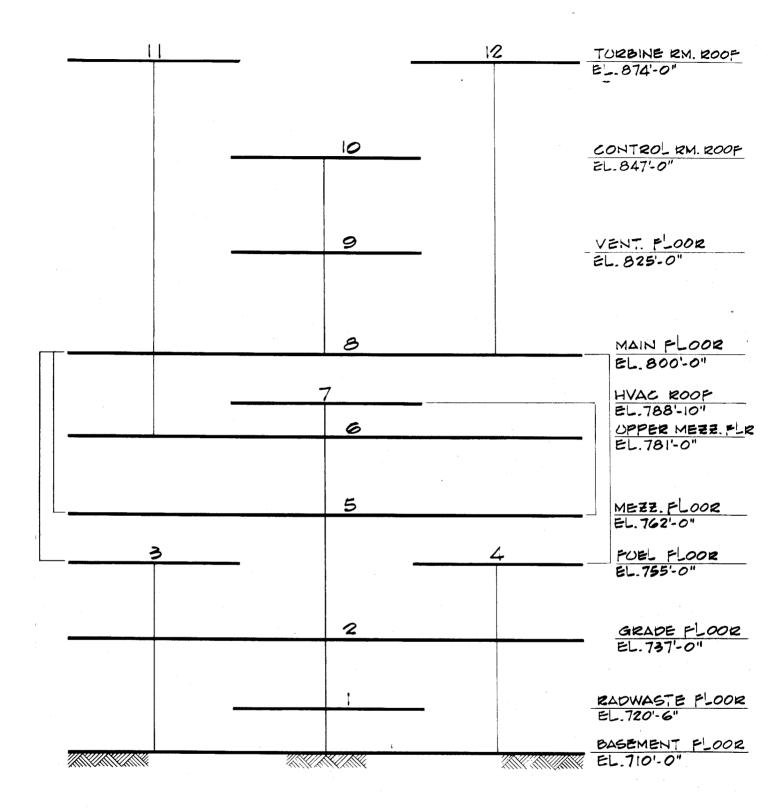
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CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

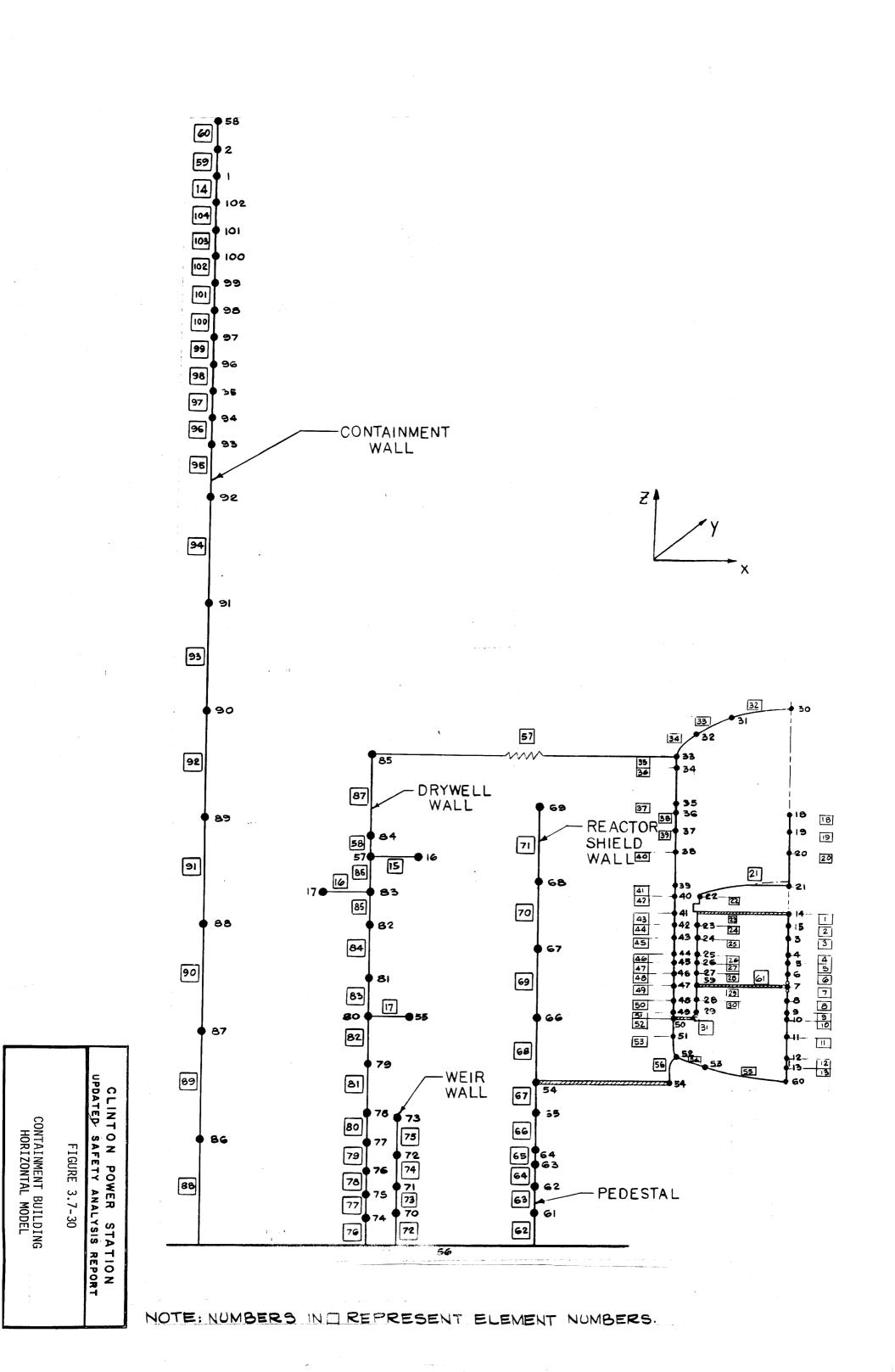
FIGURE 3.7-28

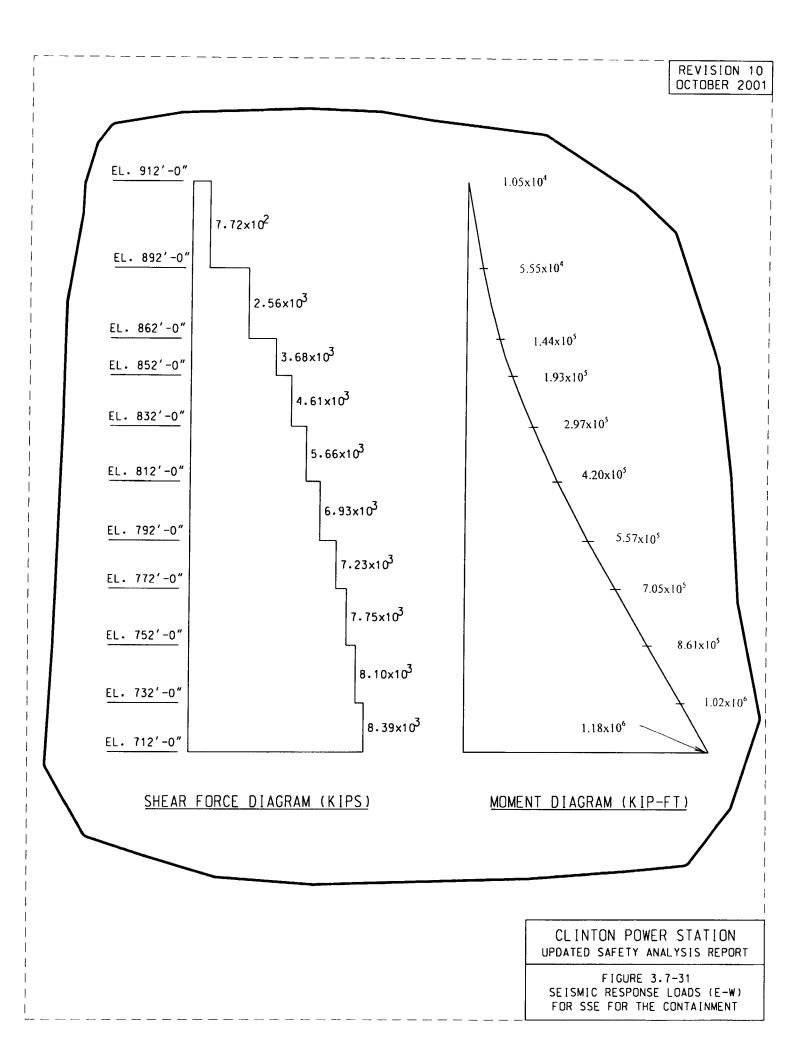
ONE UNIT - HORIZONTAL BUILDING MODEL

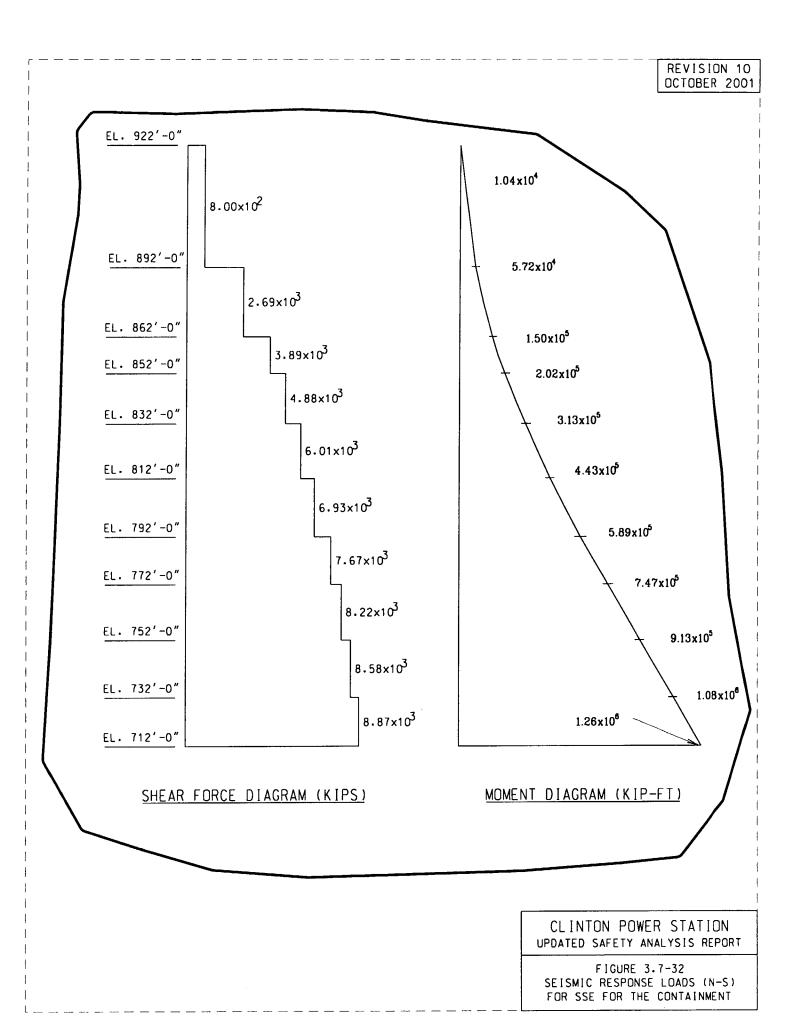


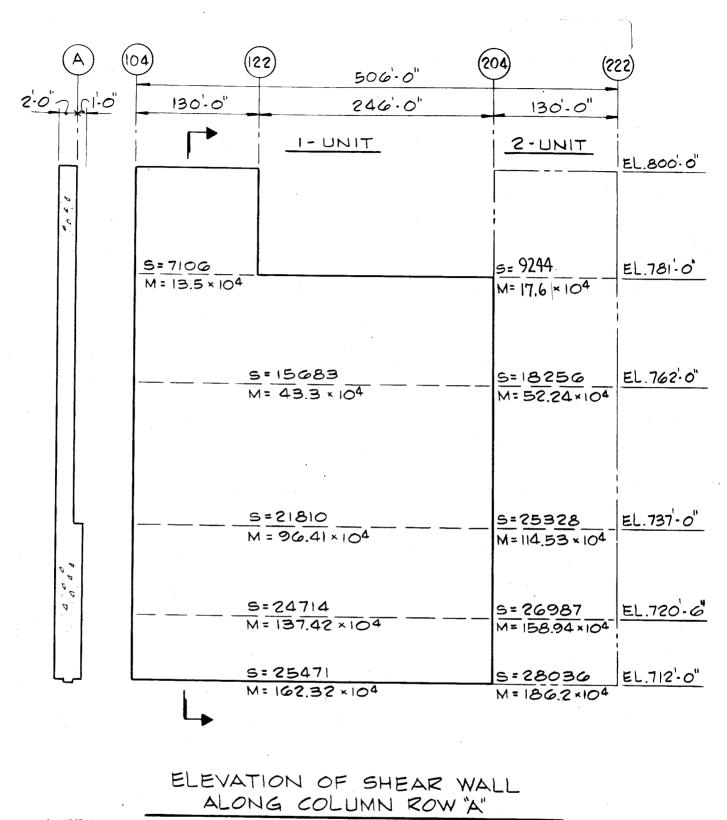
NOTE: UNIT 2 HAS BEEN CANCELLED.

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE 3.7-29
TWO UNIT - HORIZONTAL BUILDING MODEL









NOTES:

1. S' DENOTES SHEAR FORCE (KIPS)

"M' DENOTES OVERTURNING MOMENTS (KIP .FT.) 2. SHEAR FORCES AND MOMENTS SHOWN ARE FOR

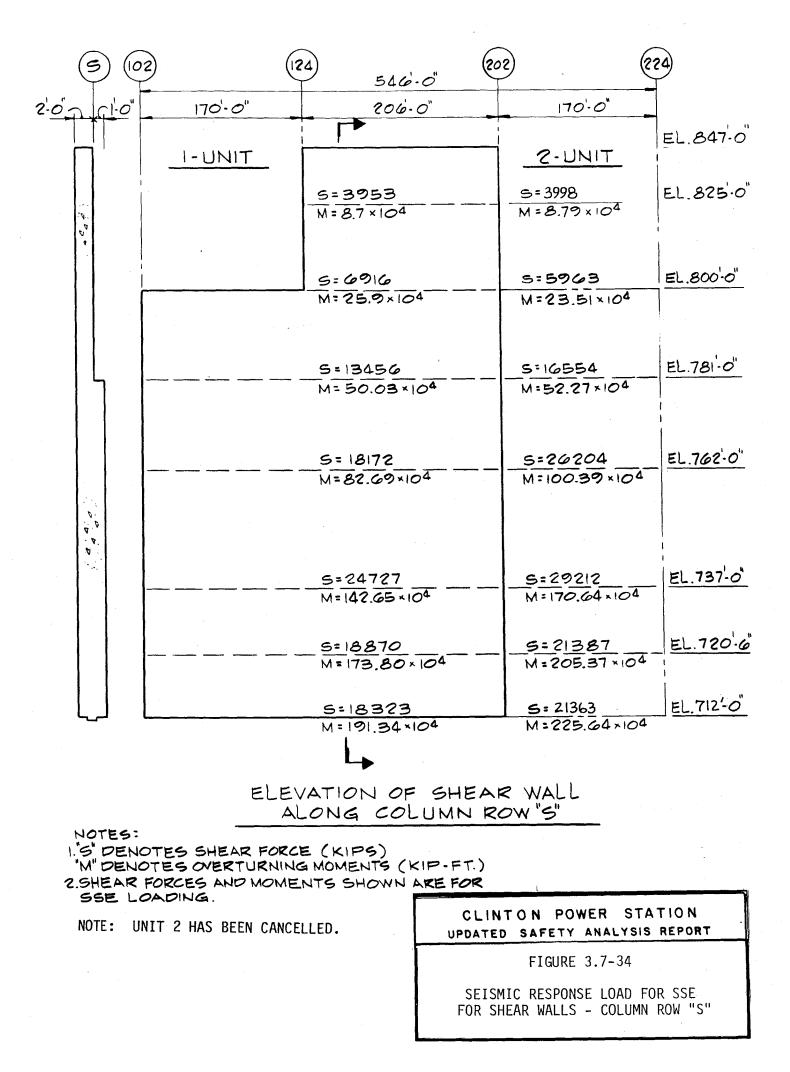
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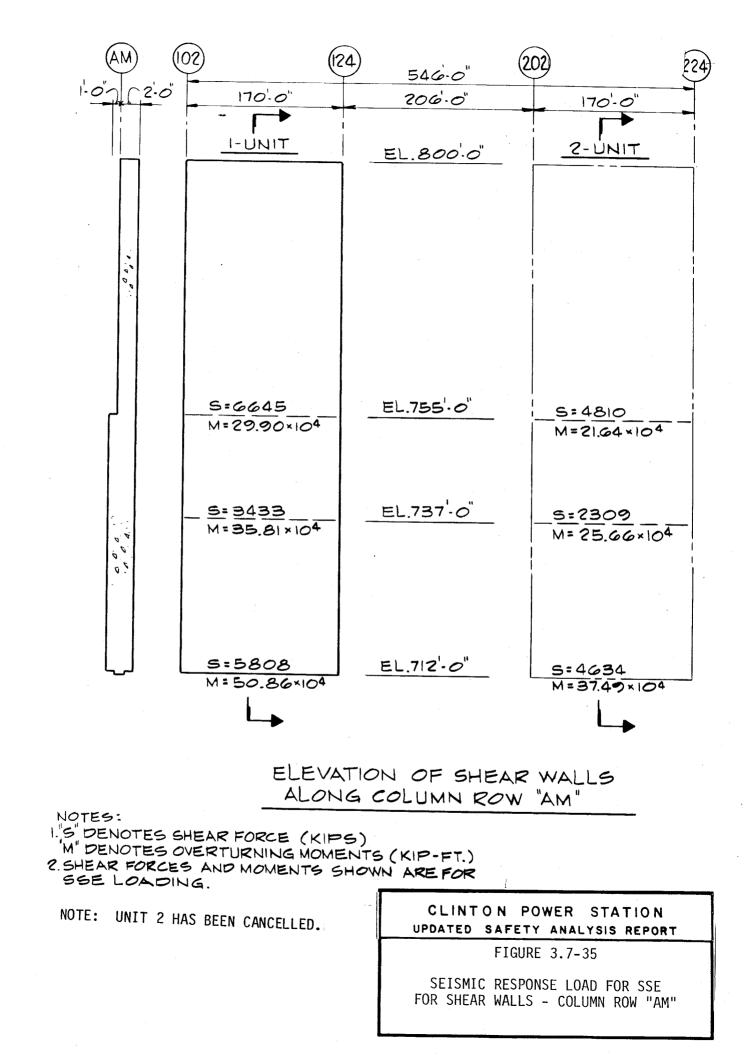
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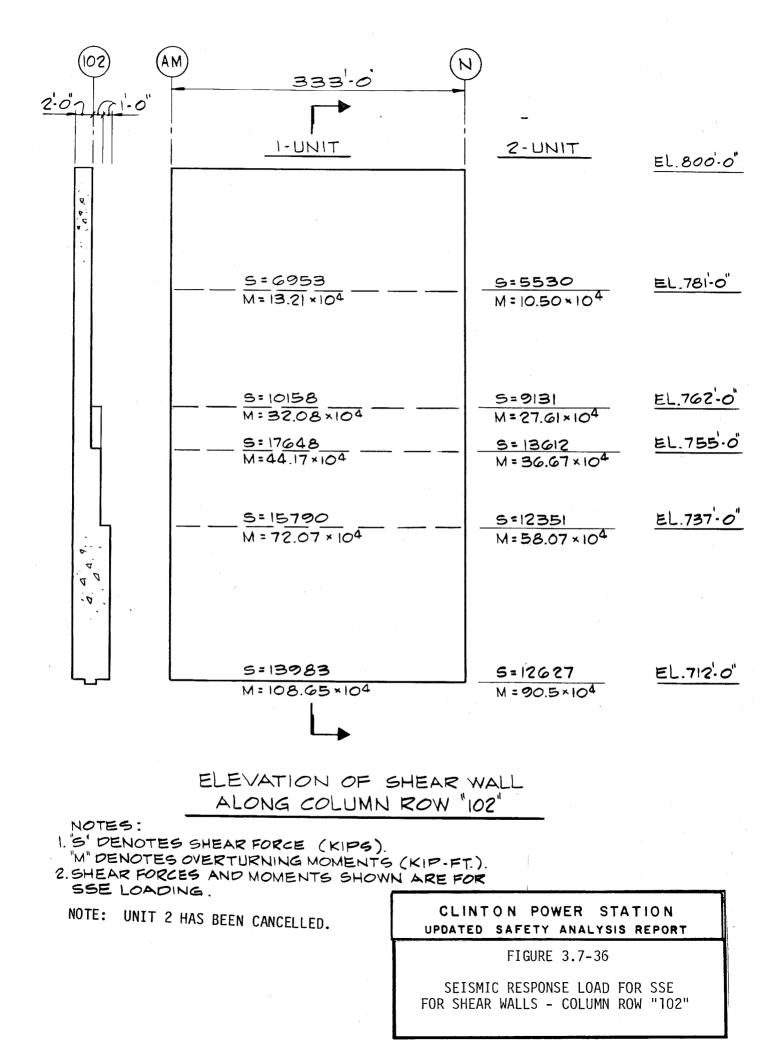
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

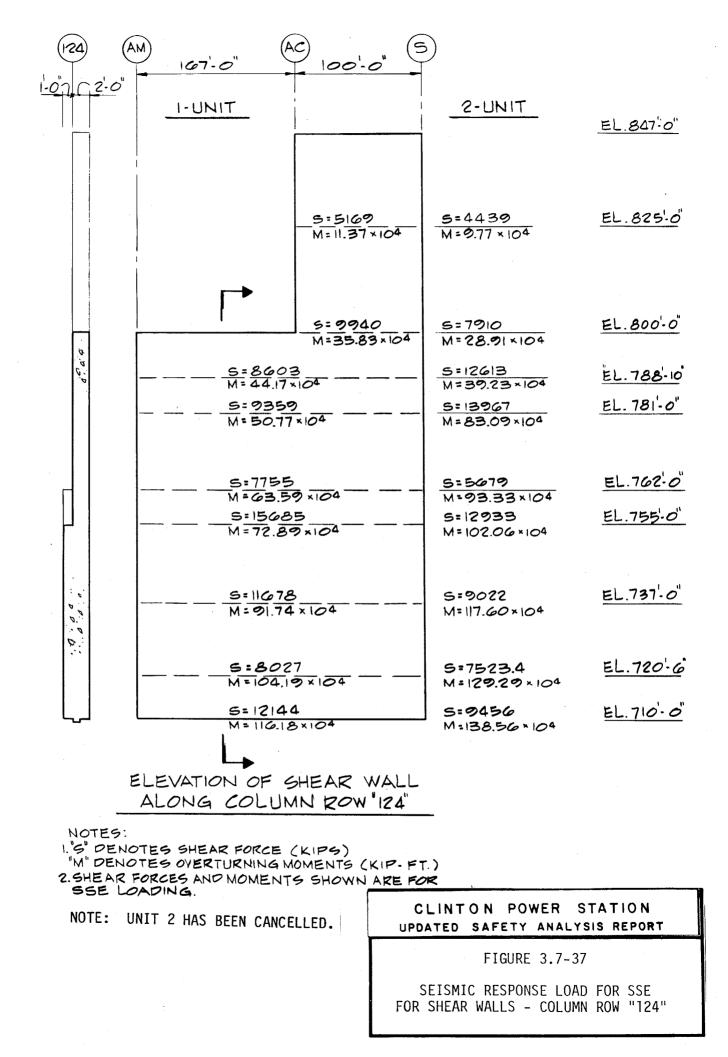
FIGURE 3.7-33

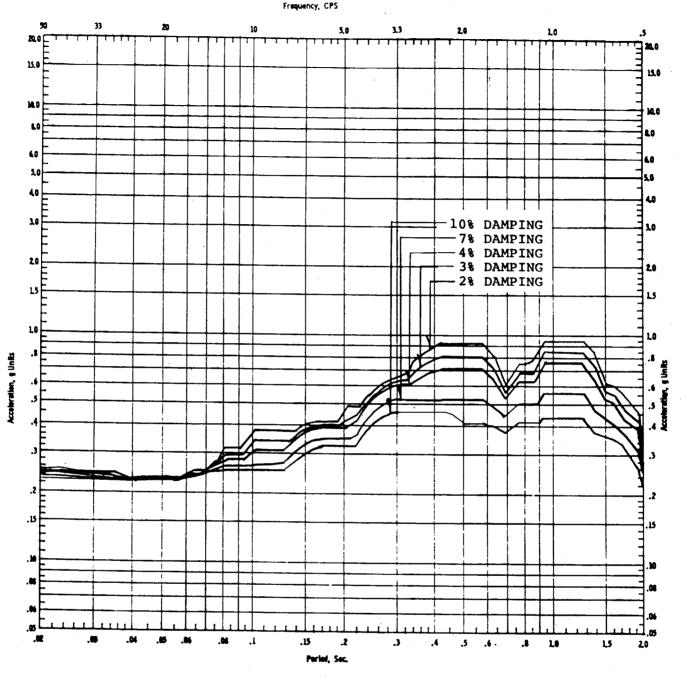
SEISMIC RESPONSE LOADS FOR SSE FOR SHEAR WALLS - COLUMN ROW "A"











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

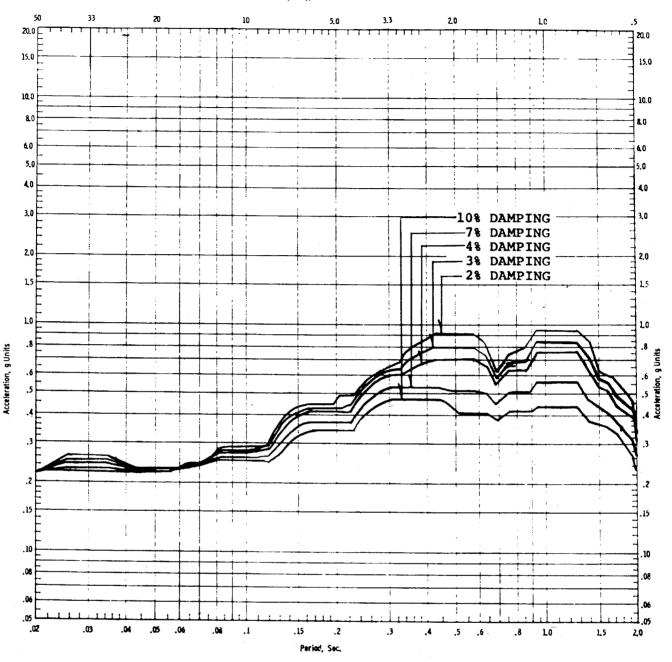
ELEVATION: Basemat Floor

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

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-38

HORIZONTAL SSE RESPONSE SPECTRA AT BASE MAT FLOOR - X DIRECTION Frequency, CPS



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

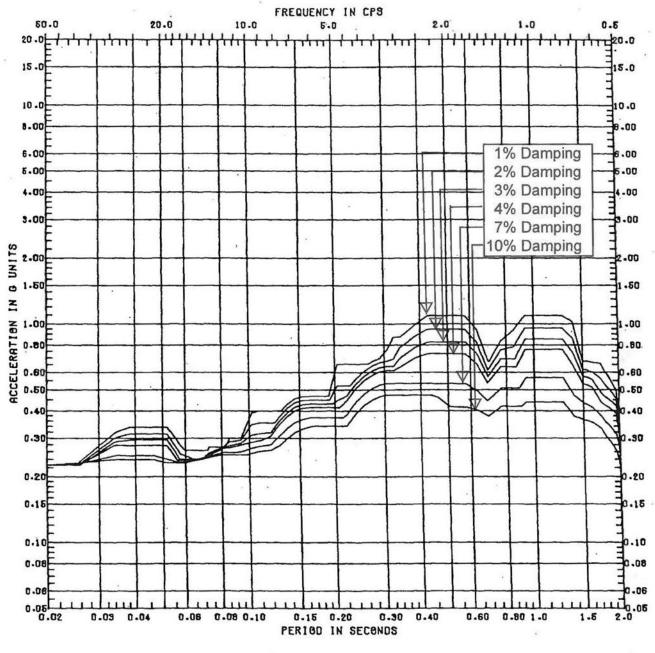
LOCATION: Aux., Fuel, Control, Diesel, Radwaste & Turbine ELEVATION Bldgs.

Basemat Floor

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-39

HORIZONTAL SSE RESPONSE SPECTRA AT BASE MAT FLOOR - Y DIRECTION



 HORIZ.
 RESPONSE SPECTRA
 SPECTRA NO. 317-SS-EW

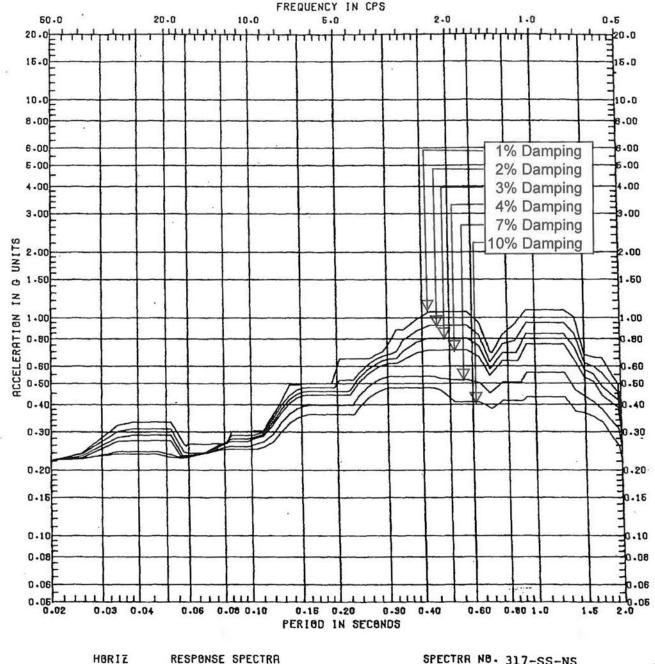
 ELEVATION
 742'-8"
 322-SS-EW

 LOCATION
 Sacrificial Shield, Pedestal (RPV)
 REVISION NO.02

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-40

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

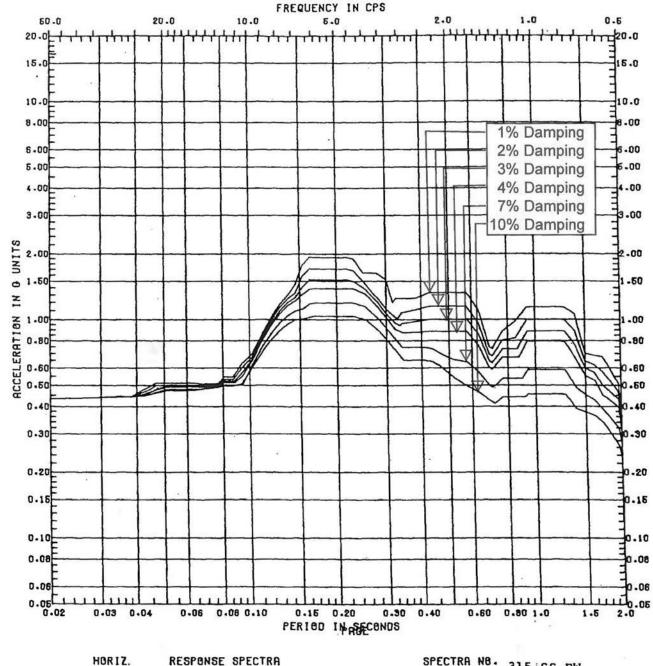


HORIZRESPONSE SPECTRASPECTRA NO. 317-SS-NSELEVATION742'-8"322-SS-NSLOCATIONSacrificial Shield,
Pedestal (RPV)REVISION NO.02

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

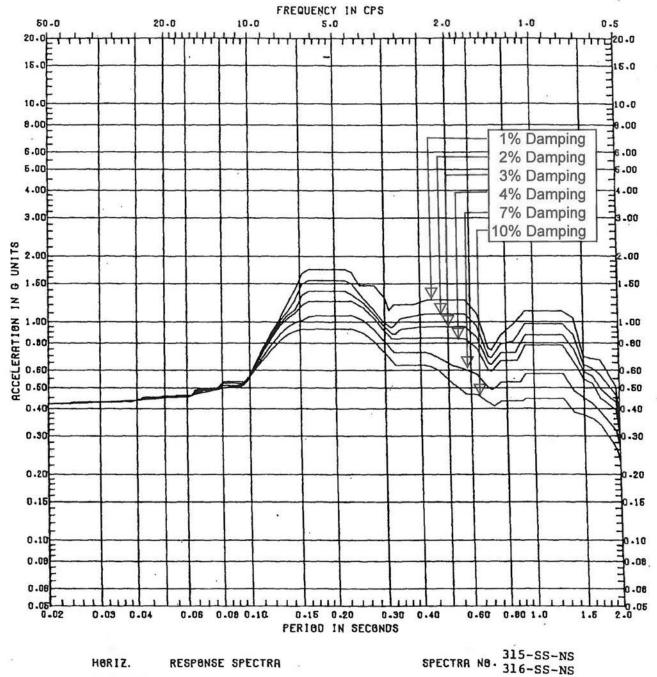
FIGURE 3.7-41

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



ELEVATION 803'-3", 828'-3" LOCATION Drywell SPECTRA NB. 315-SS-EW 316-SS-EW REVISION NO. 02

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT FIGURE 3.7-42 HORIZONTAL SSE RESPONSE SPECTRA AT 803'-3" AND 828'-3", DRYWELL - X DIRECTION



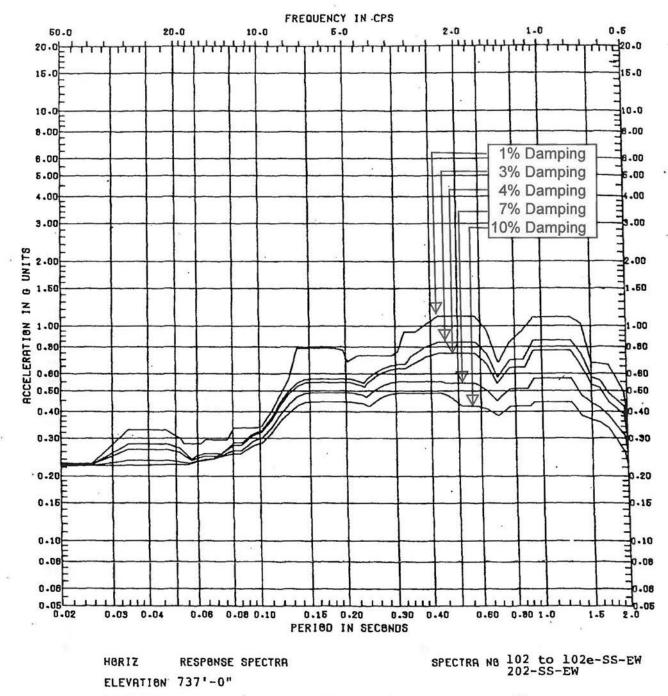
HORIZ. RESPONSE SPECTRA ELEVATION 803'-3", 828'-3" LOCATION Drywell

REVISION NO. 02

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-43

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



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

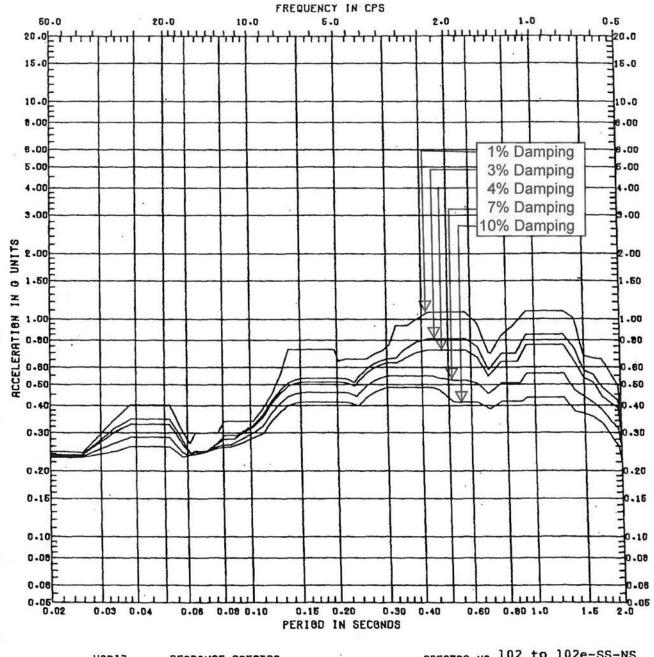
REVISION NO.02

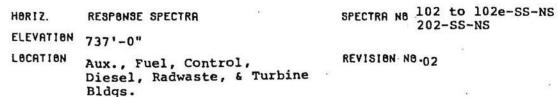
1

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-44

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

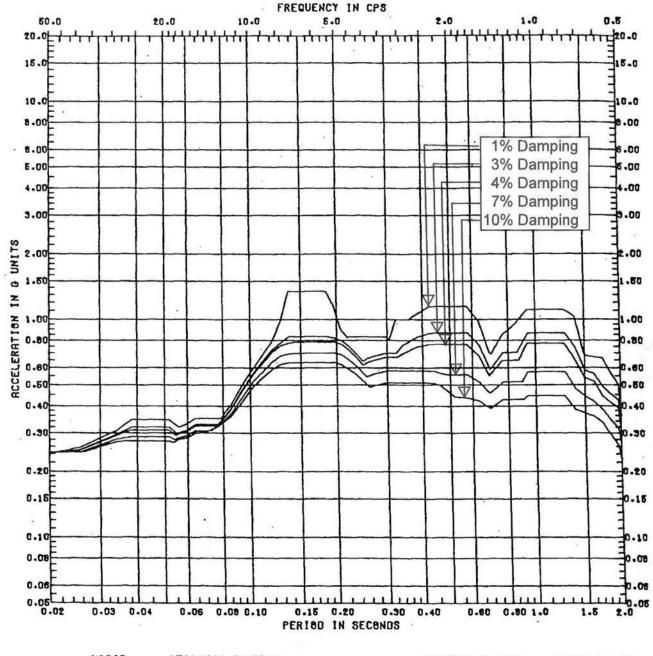




CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-45

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



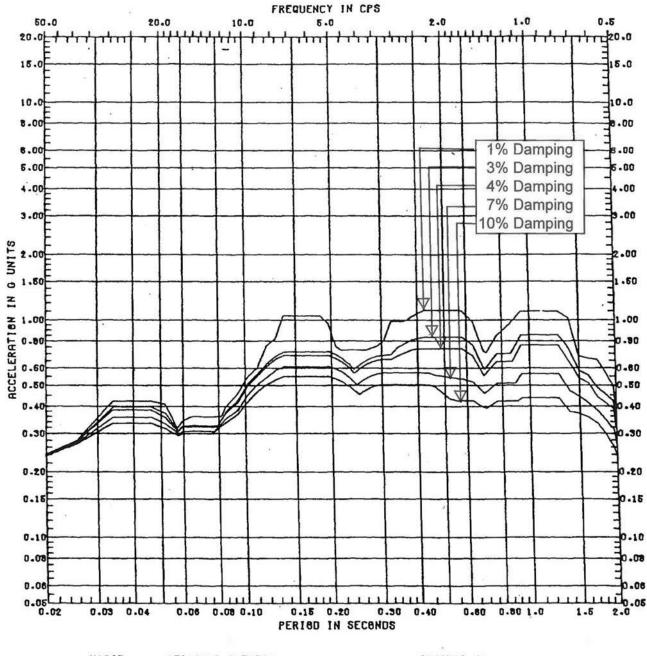
HORIZ. RESPONSE SPECTRA ELEVATION 762'-0" LOCATION Aux., Control, Diesel, Radwaste & Turbine Bldgs. SPECTRA NO.105 to 105d-SS-EW 205-SS-EW

"REVISION NO. 02

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-46

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



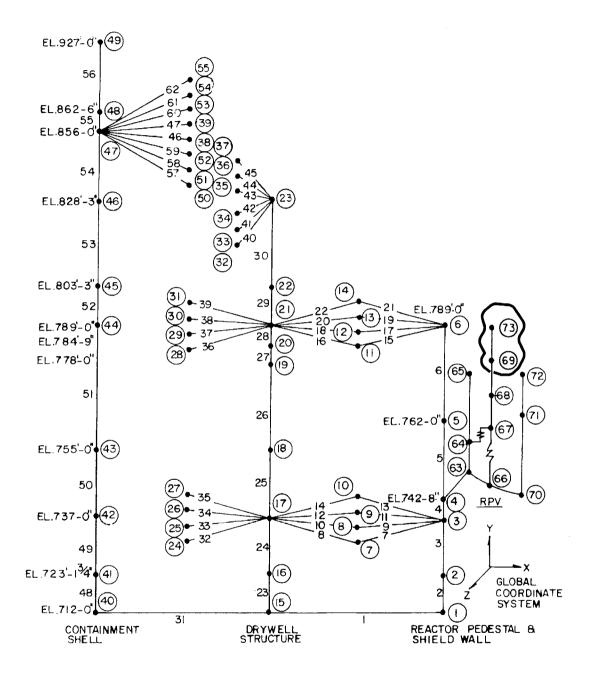
HORIZ.RESPONSE SPECTRASPECTRA NO-105 to 105d-SS-NSELEVATION762'-0"205-SS-NSLOCATIONAux., Control, Diesel,
Radwaste & Turbine BldgsREVISION NO.02

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-47

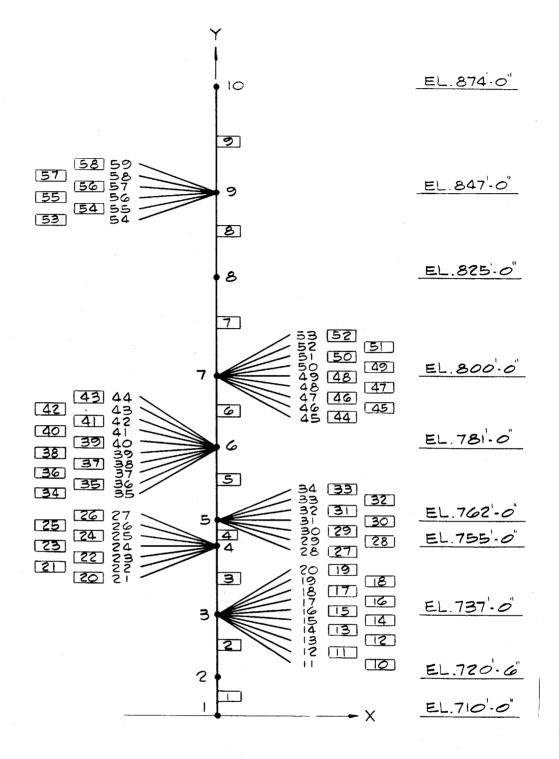
HORIZONTAL SSE RESPONSE SPECTRA AT 762'-0" MAIN BUILDING - Y DIRECTION

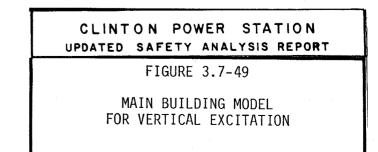
REVISION 10 OCTOBER 2001



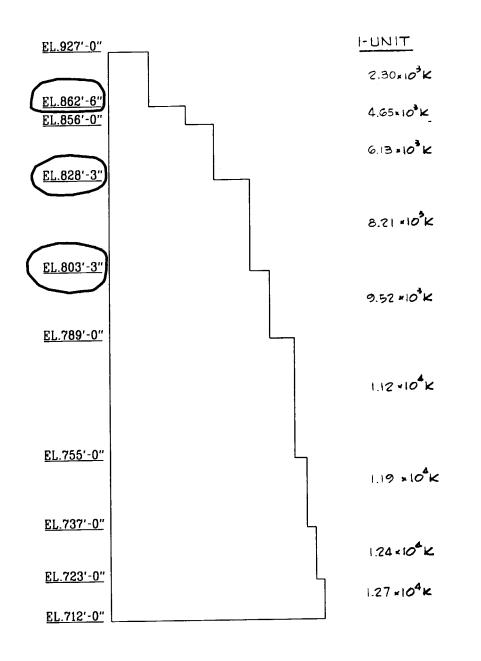
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-48 CONTAINMENT BUILDING MODEL FOR VERTICAL EXCITATION



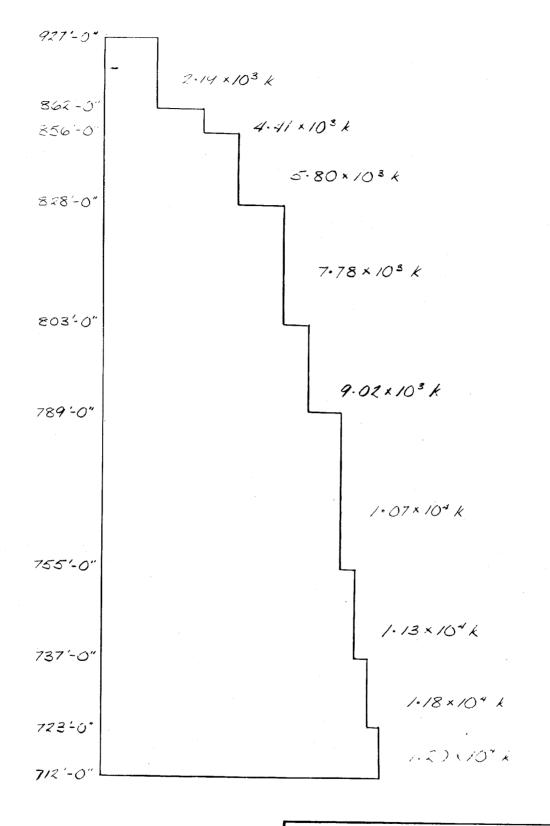


REVISION 10 OCTOBER 2001

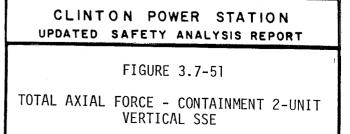


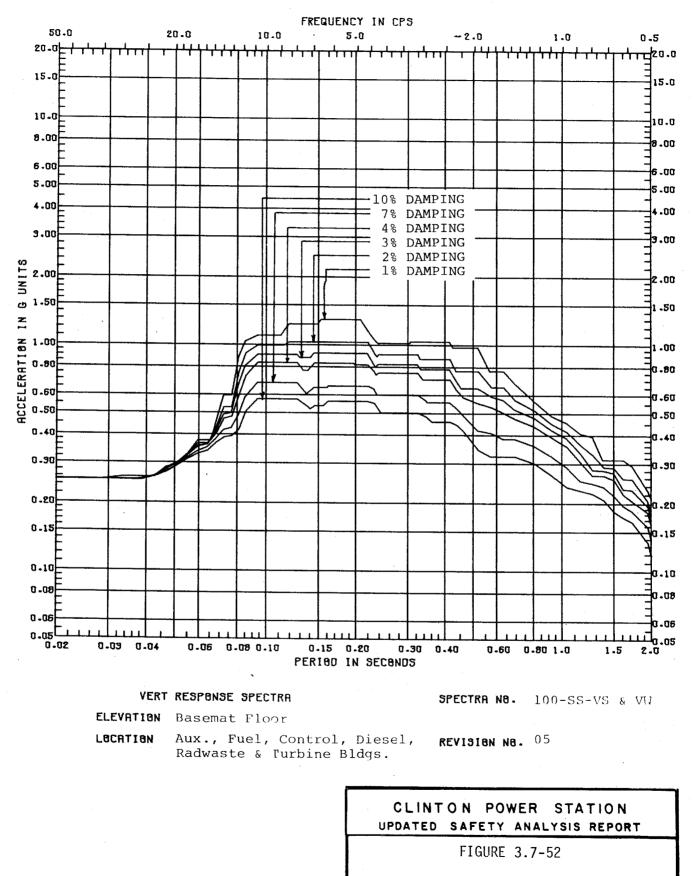
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

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

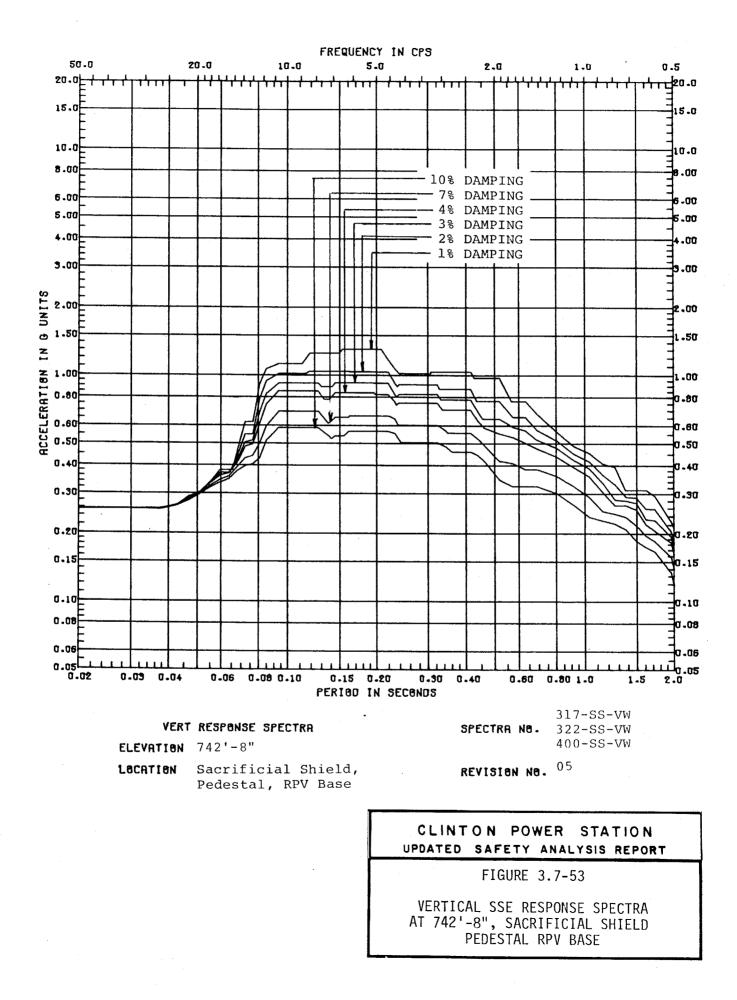


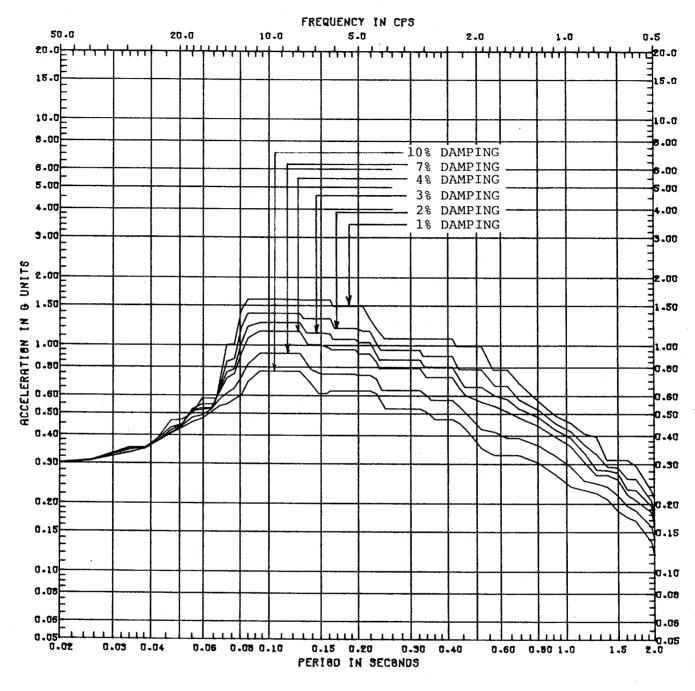
NOTE: UNIT 2 HAS BEEN CANCELLED.





VERTICAL SSE RESPONSE SPECTRA AT BASE MAT FLOOR





VERT RESPONSE SPECTRA

SPECTRA NO. 315-SS-VW

ELEVATION 803'-3"

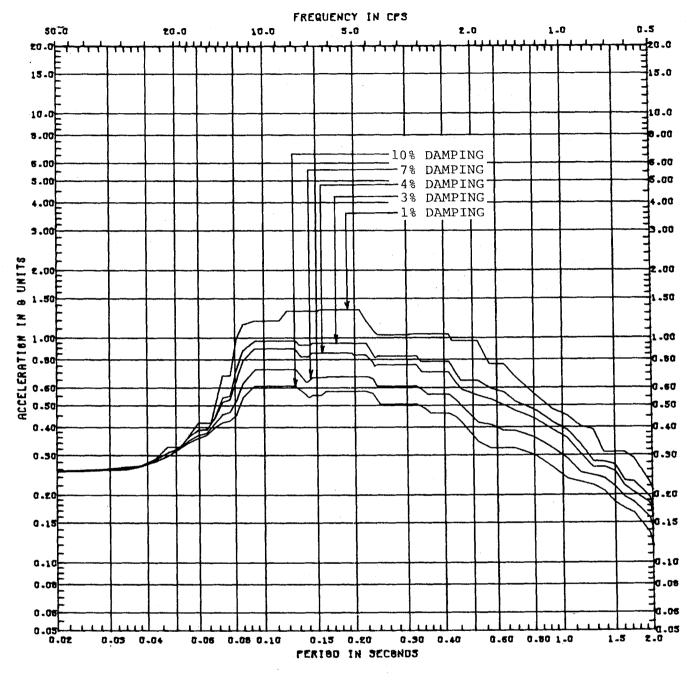
LOCATION Drywell

REVISION No. 05

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-54

VERTICAL SSE RESPONSE SPECTRA AT 803'-3" DRYWELL



VERT RESPONSE SPECTRA

SPECTRA NB. 102 to 102e-SS-VW

737'-0" ELEVATION

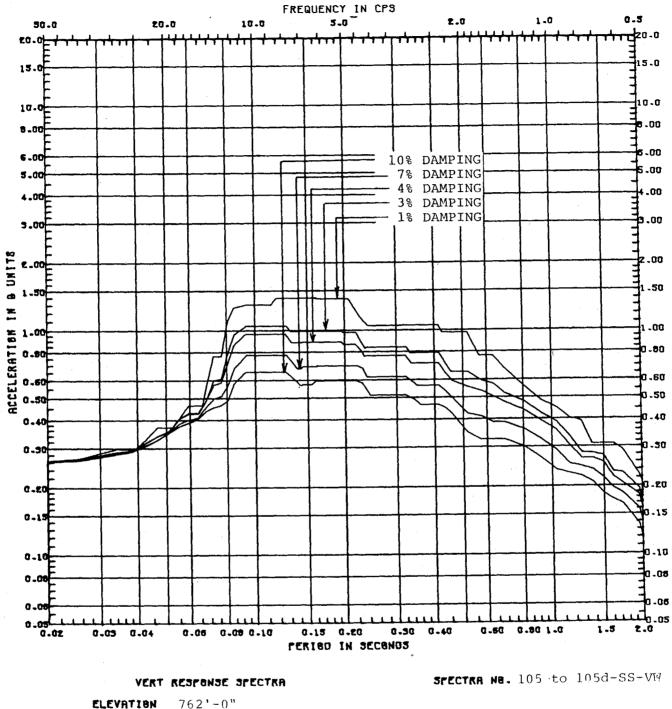
LOCATION

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

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-55

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



ELEVATION

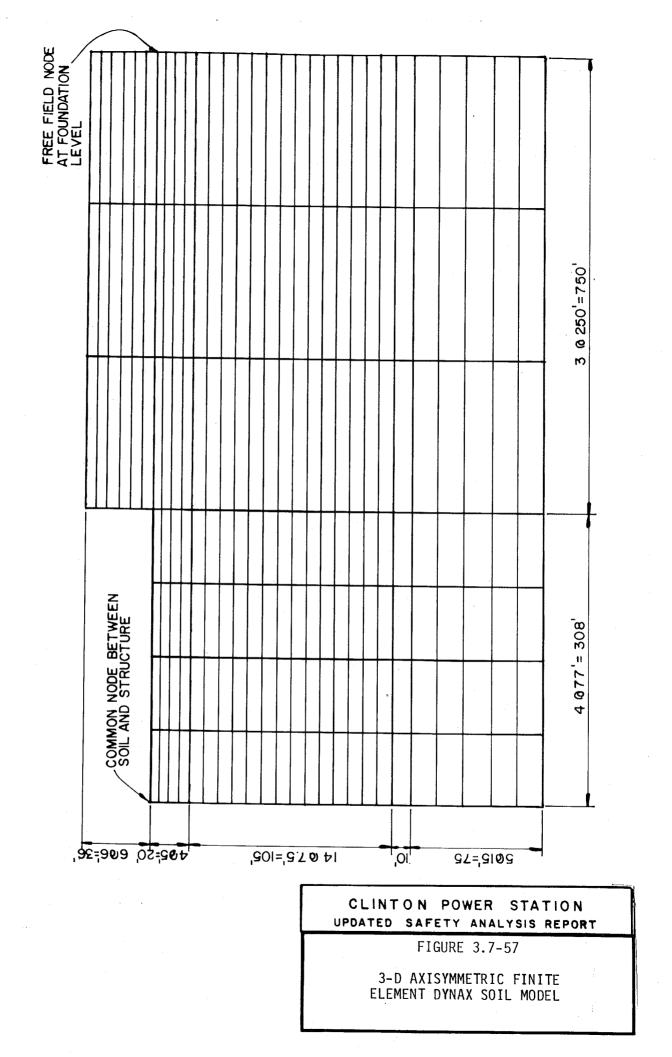
Aux., Control, Radwaste, LECATION Diesel Bldgs.

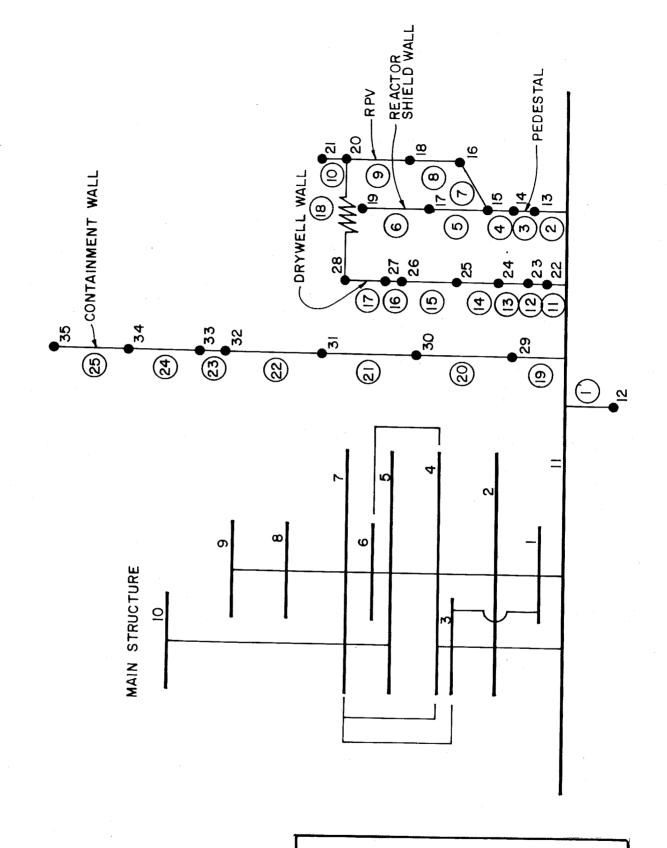
REVISION NO. 05

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-56

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

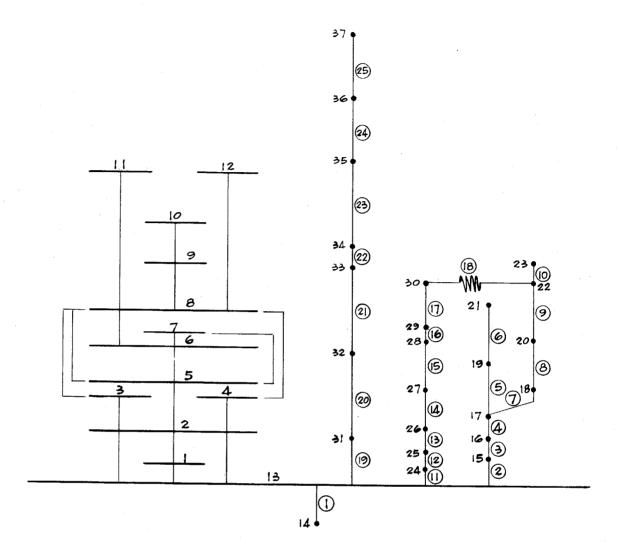




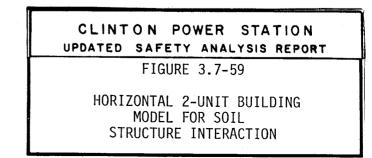
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-58

HORIZONTAL 1-UNIT BUILDING MODEL FOR SOIL STRUCTURE INTERACTION



NOTE: UNIT 2 HAS BEEN CANCELLED.

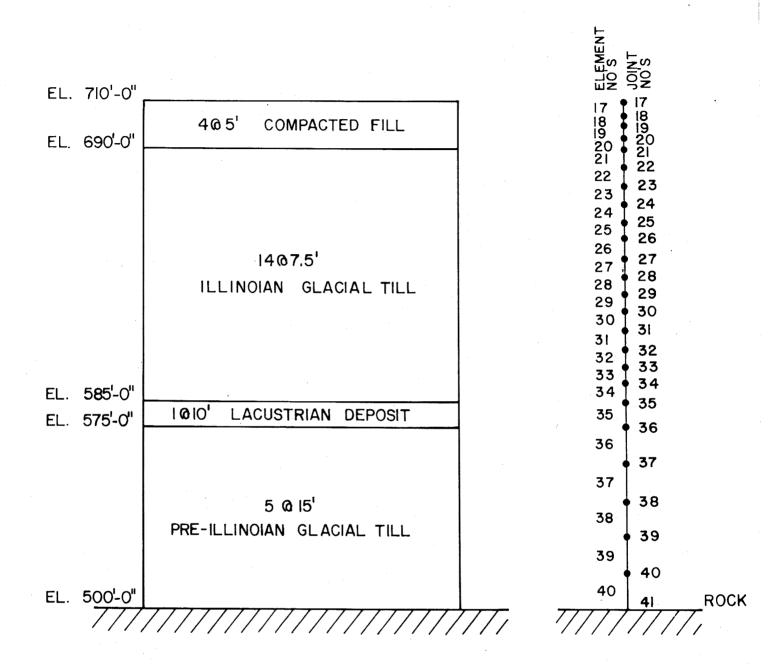


CPS/USAR

FIGURES 3.7-60 THROUGH 3.7-67 HAVE BEEN DELETED

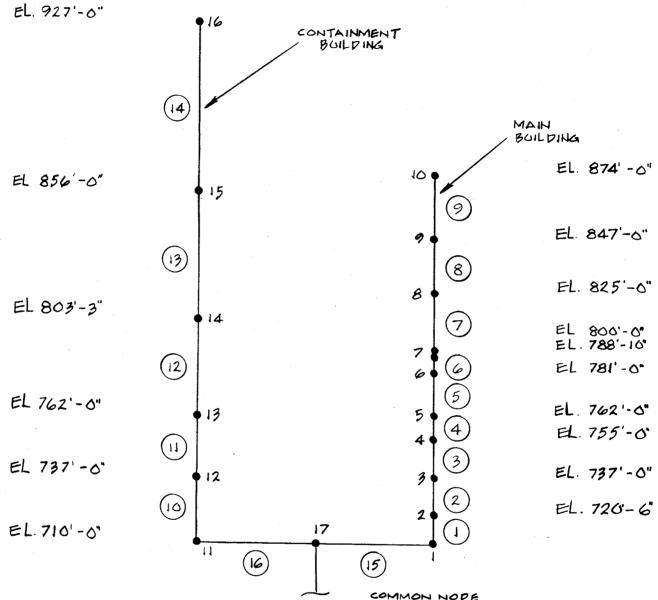
CHAPTER 03

REV. 11, JAN 2005

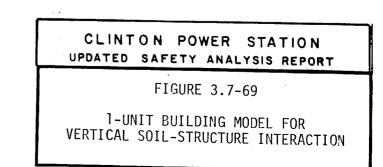


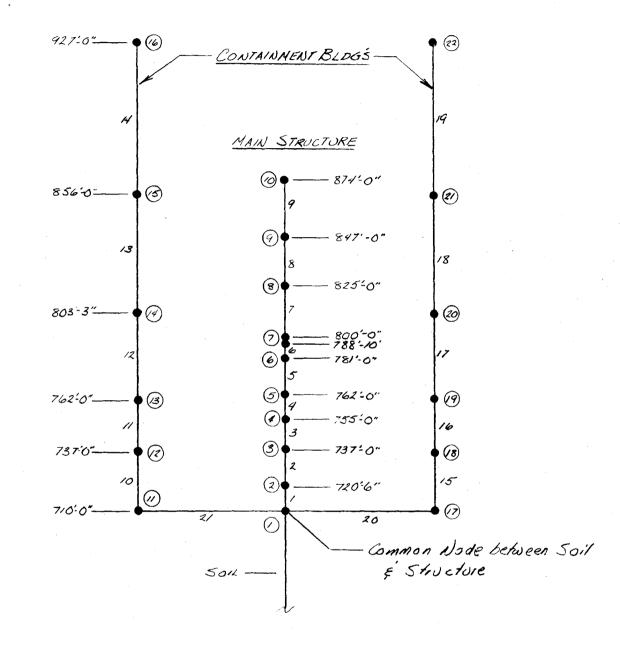
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT FIGURE 3.7-68

VERTICAL SOIL MODEL FOR SOIL STRUCTURE INTERACTION

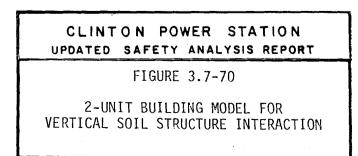


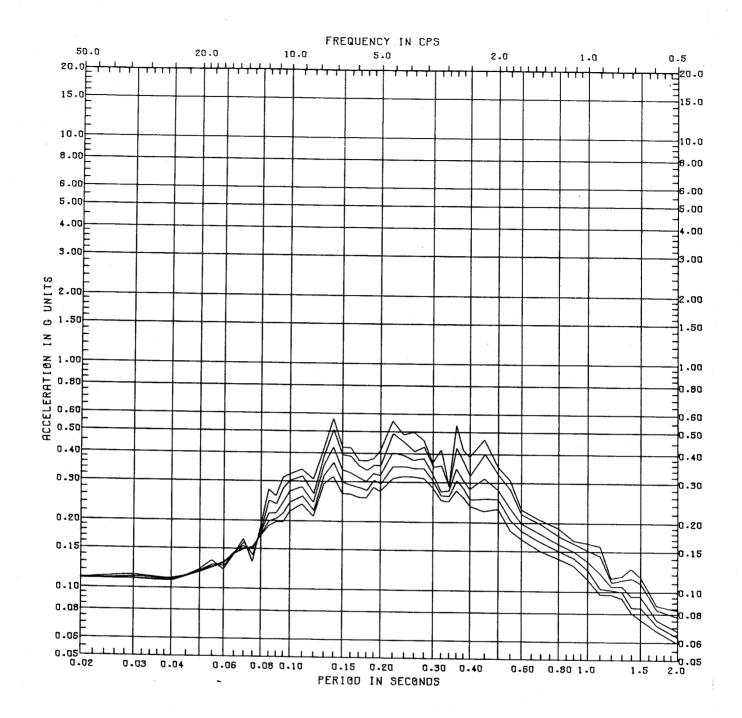
COMMON NOPE BETWEEN SOIL & STRUCTORE





NOTE: UNIT 2 HAS BEEN CANCELLED.

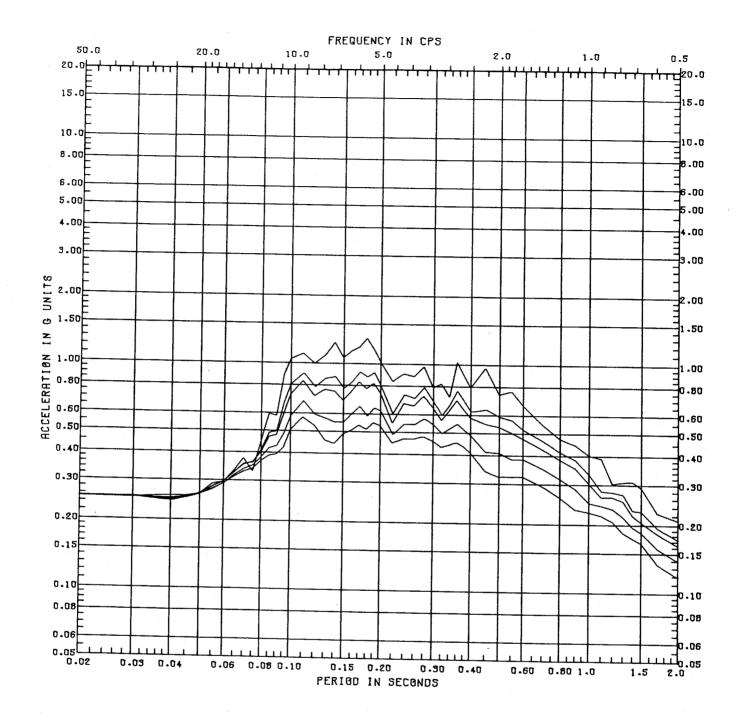


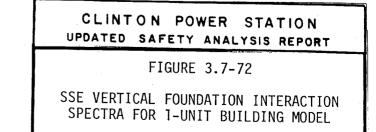


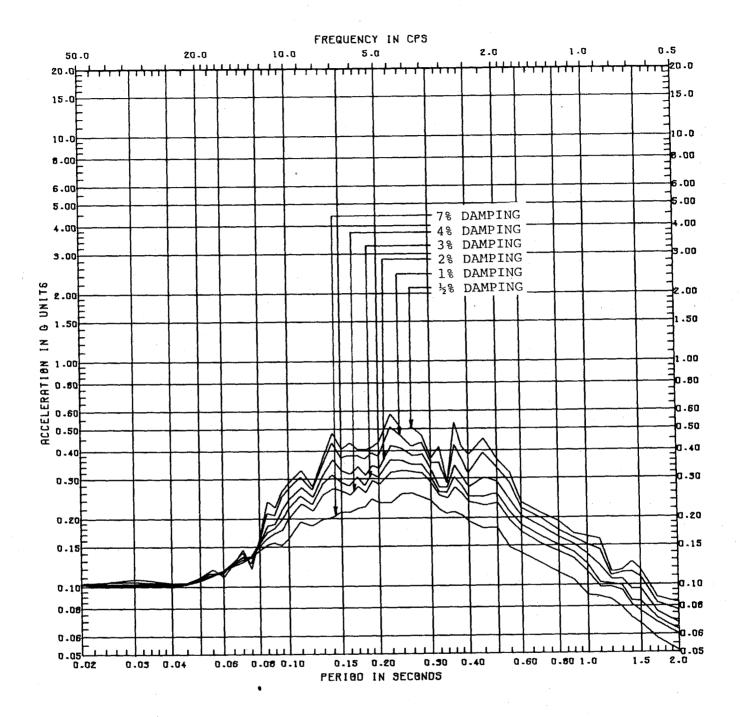
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-71

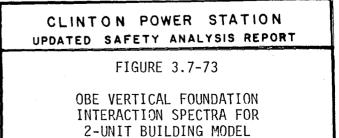
OBE VERTICAL FOUNDATION INTERACTION SPECTRA FOR 1-UNIT BUILDING MODEL

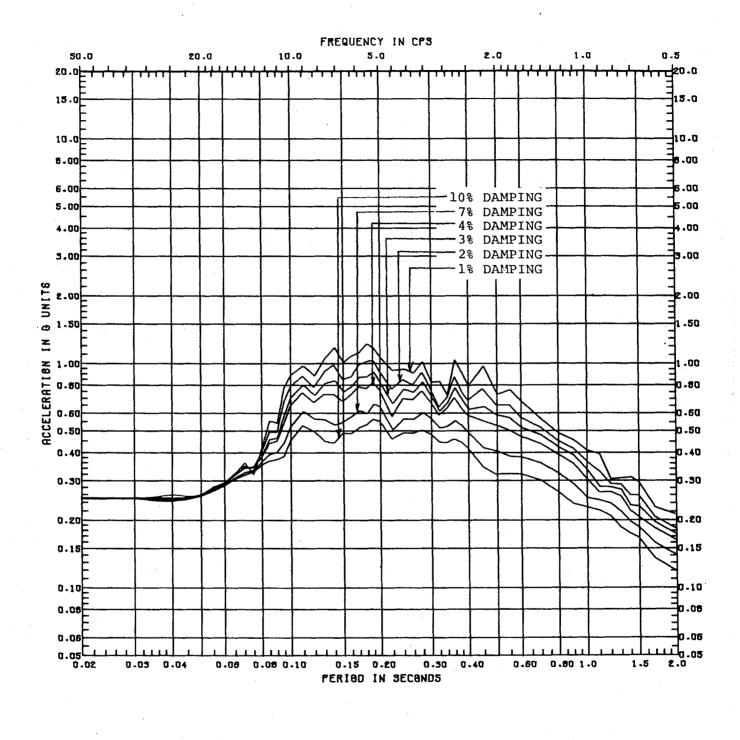






NOTE: UNIT 2 HAS BEEN CANCELLED.



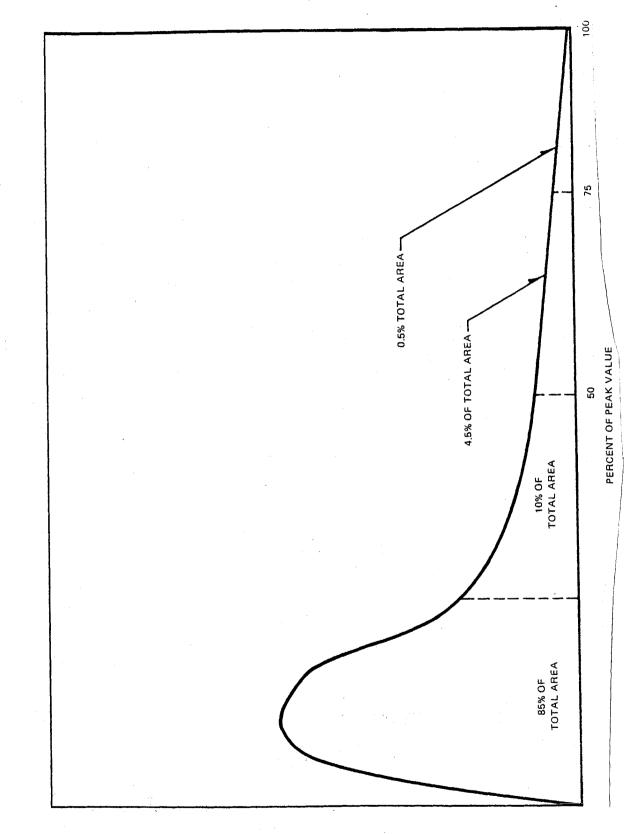


NOTE: UNIT 2 HAS BEEN CANCELLED.

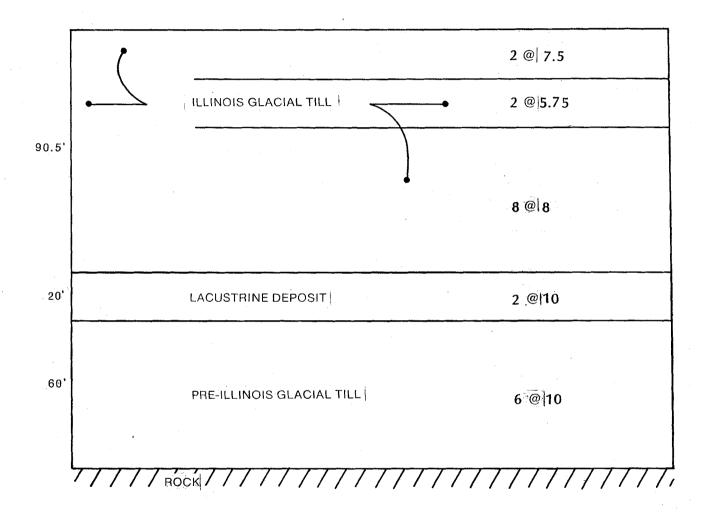
CLINT	ON POV SAFETY				T
	FIGURE	3.7-	74		
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FIGURE 3.7-75 DENSITY OF STRESS REVERSALS





CPS-USAR



	CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
	FIGURE 3.7-76
7	SHAKE SOIL MODEL FOR CIRCULATING WATER SCREEN HOUSE ANALYSIS

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STATION SAFETY ANALYSIS REPORT UPDATED

FIGURE 3.7-77

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EAST-WEST HORIZONTAL SOIL STRUCTURE INTERACTION MODEL FOR CWSH

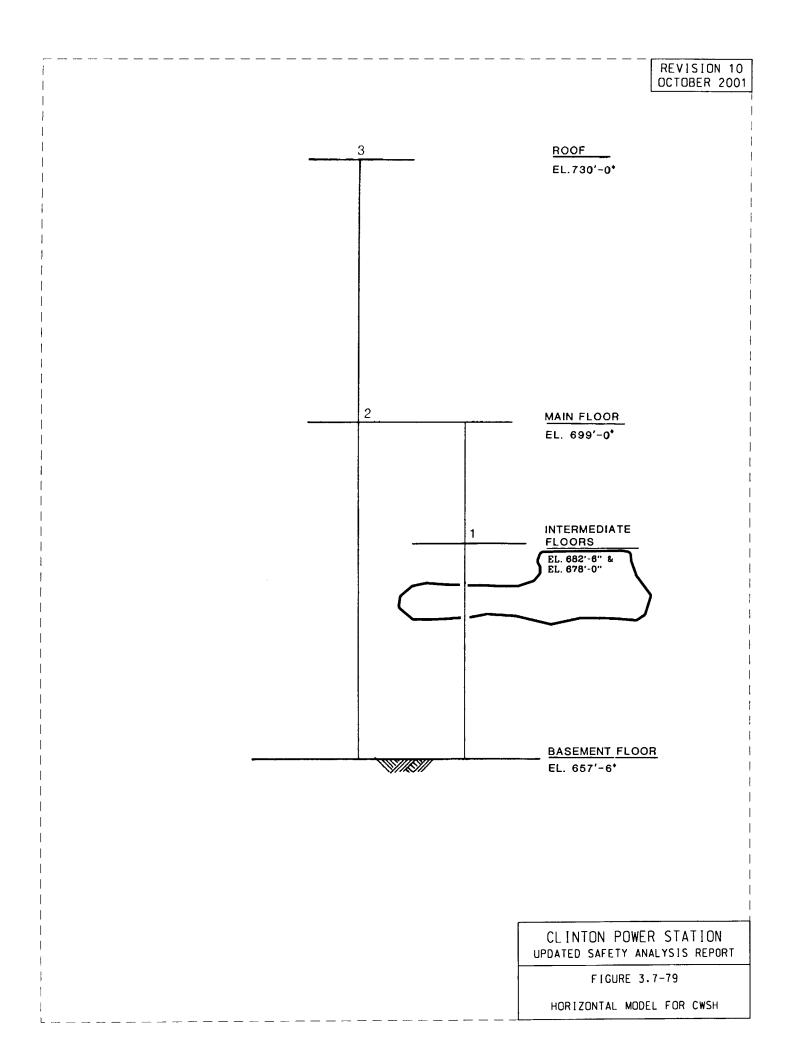
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	(P)	151	B	152	()	153	(3) 154	(B) 155	130 150	157	0	158	69	159	(4)	
150	®	162	Ø	163	G	164			(47) 16T	1.	(3)	169	1	170	(6)	
161		173	©	174	69	175	-			971 1	ø	180	6	181		
172	<u>@</u>		Ð	185	U)	186	~		(E) 184	1	Ø	191	1	192	@	
183	 ®	134	 (i)	185	(P)	197			1 20			202	@	203		
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282	B	283		284	(54)	285	255 286	35 28	25D 28	8 28 28	(3)	290	G	291	<u>a</u>	2
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304	@	316	283)	317	190	318	1	1	1	238 37		323	Đ	324	- 29)	3

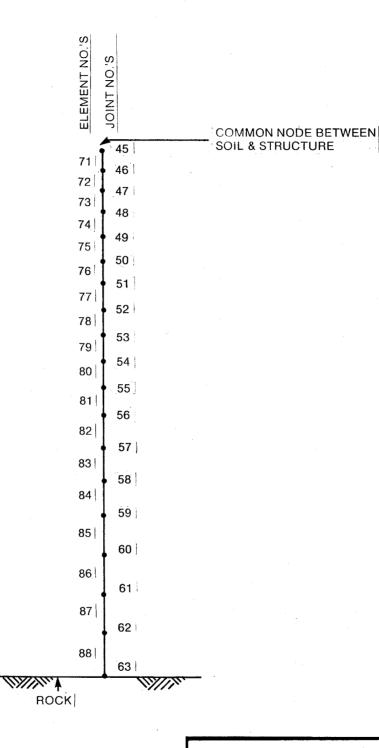
-5

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-78

NORTH-SOUTH HORIZONTAL SOIL STRUCTURE INTERACTION MODEL FOR CWSH

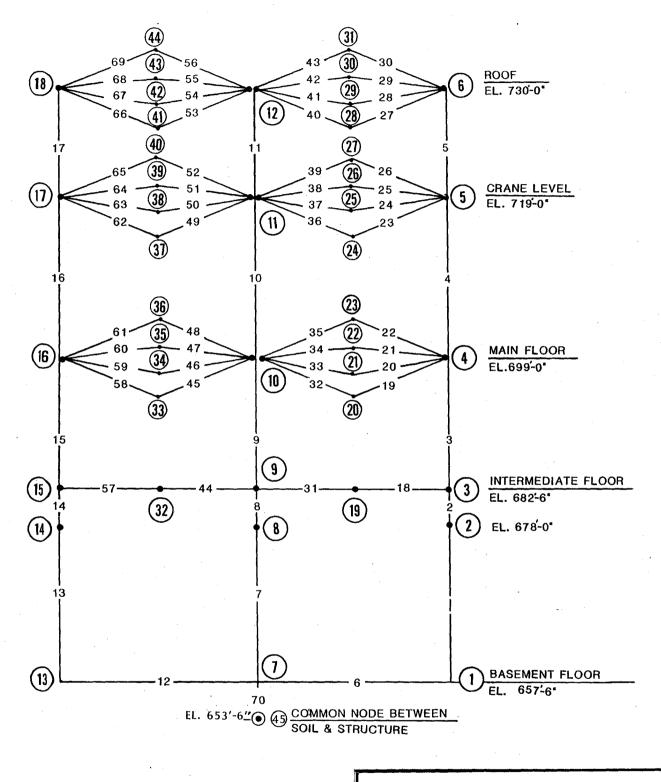




CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.7-80

SOIL COLUMN FOR VERTICAL CWSH ANALYSIS

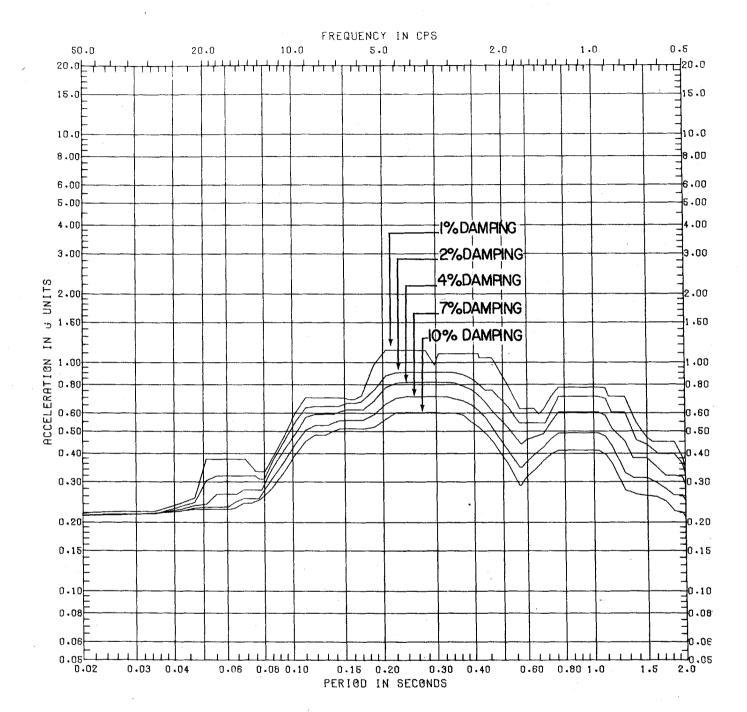


CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

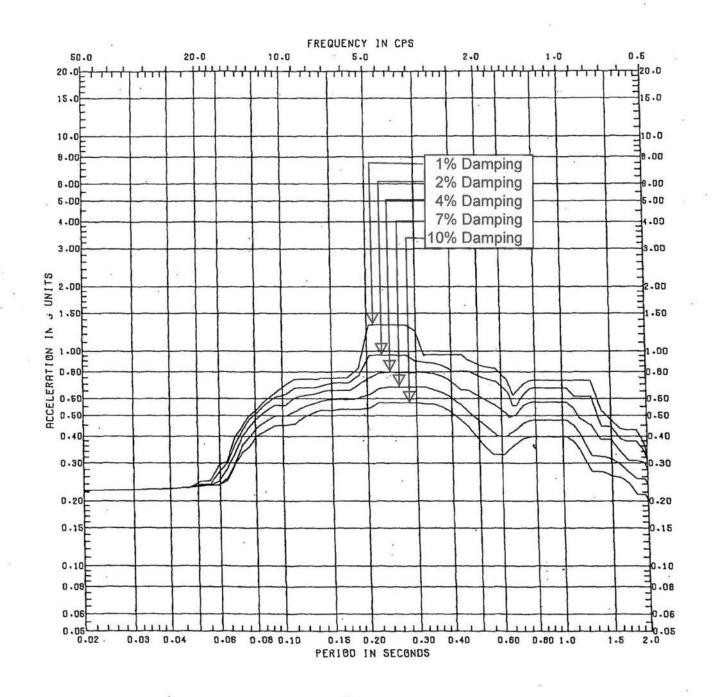
FIGURE 3.7-81

VERTICAL MODEL FOR CWSH

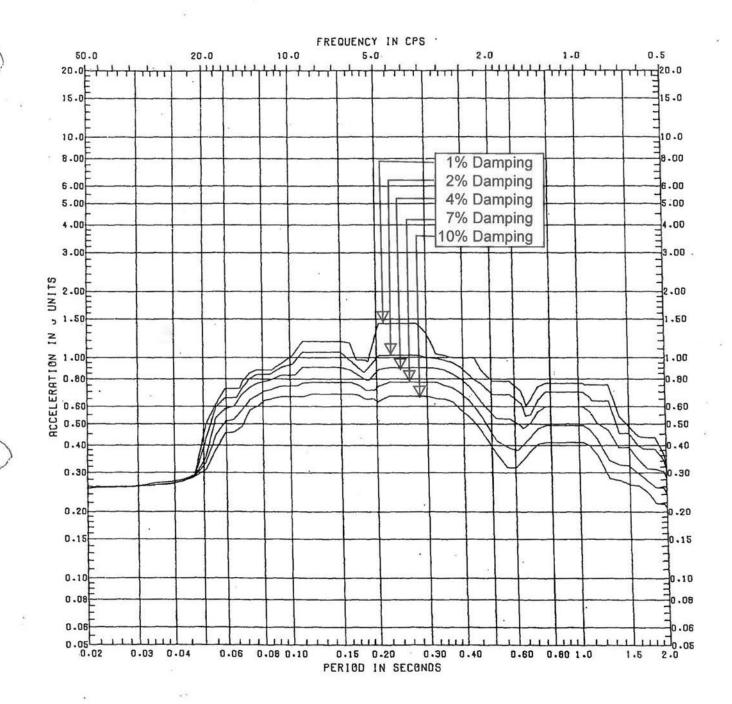
. . .

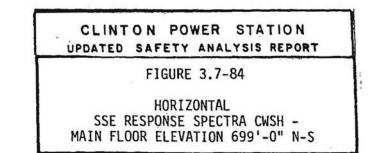


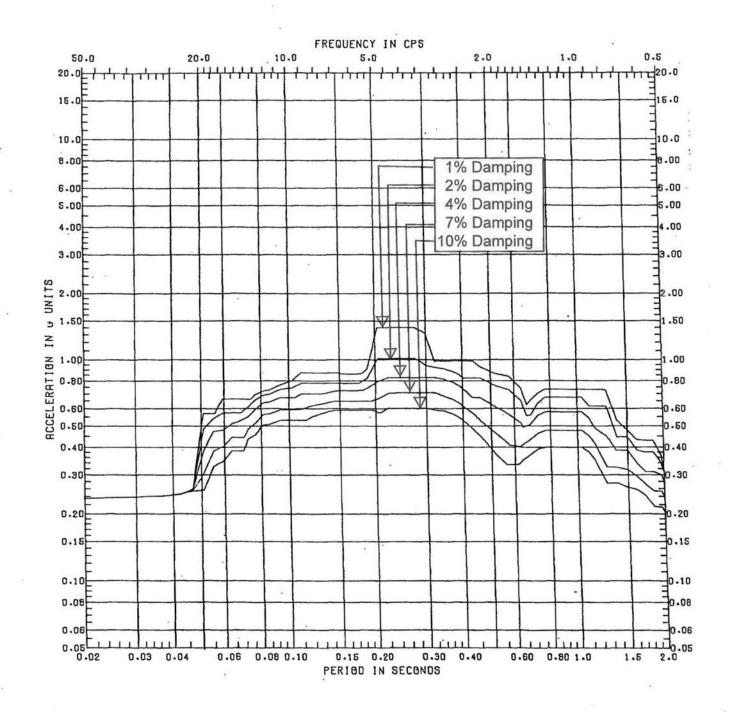
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT FIGURE 3.7-82 HORIZONTAL SSE RESPONSE SPECTRA CWSH -BASE ELEVATION 653'-6" N-S

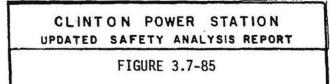


CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT FIGURE 3.7-83 HORIZONTAL SSE RESPONSE SPECTRA CWSH -BASE ELEVATION 653'-6" E-W

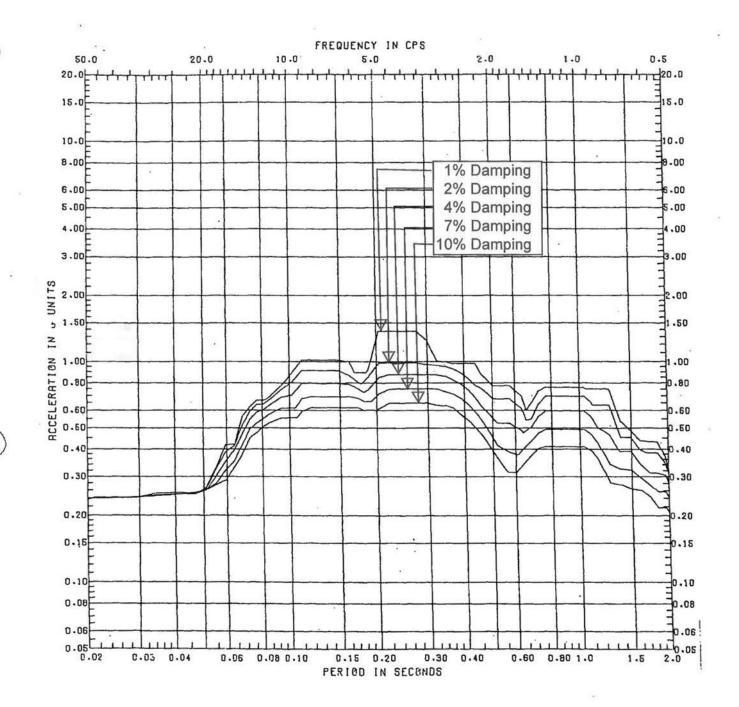




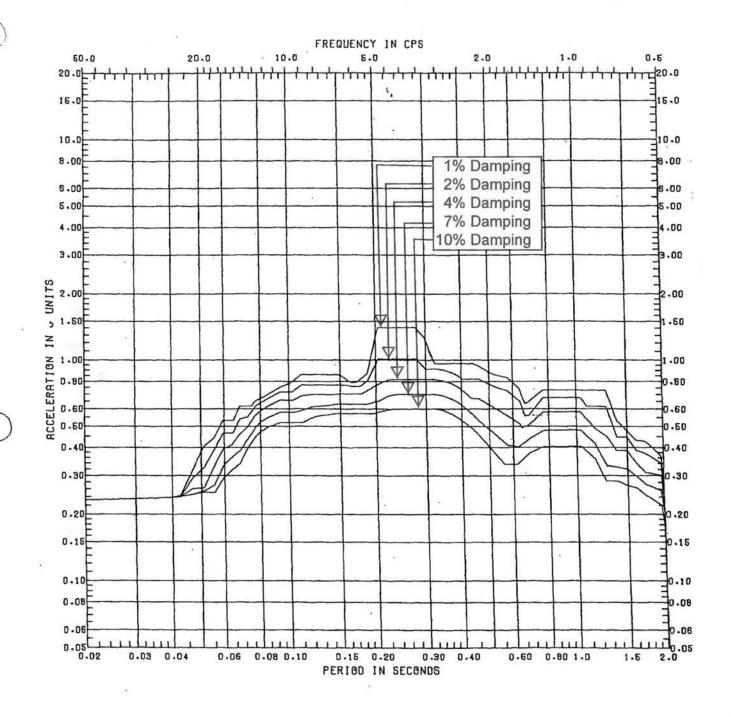




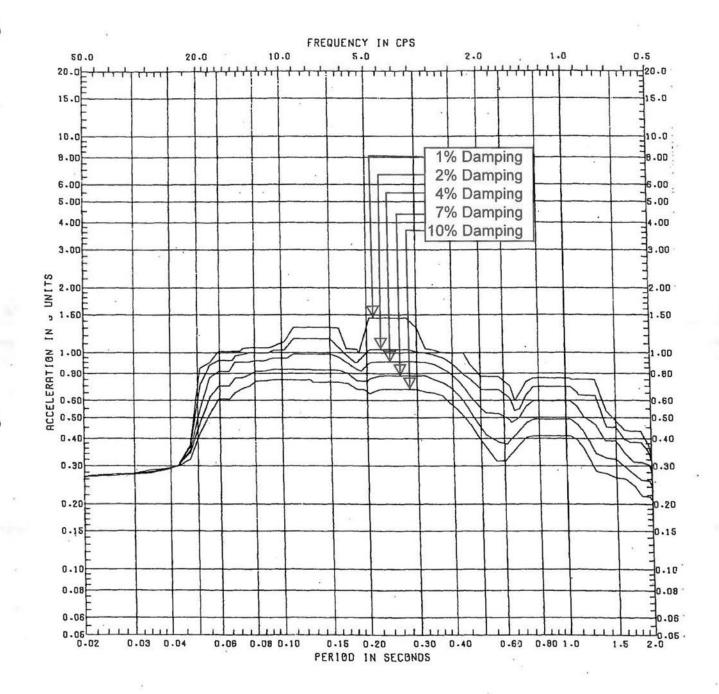
HORIZONTAL SSE RESPONSE SPECTRA CWSH -MAIN FLOOR ELEVATION 699'-0" E-W

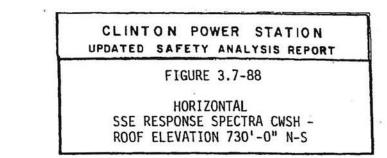


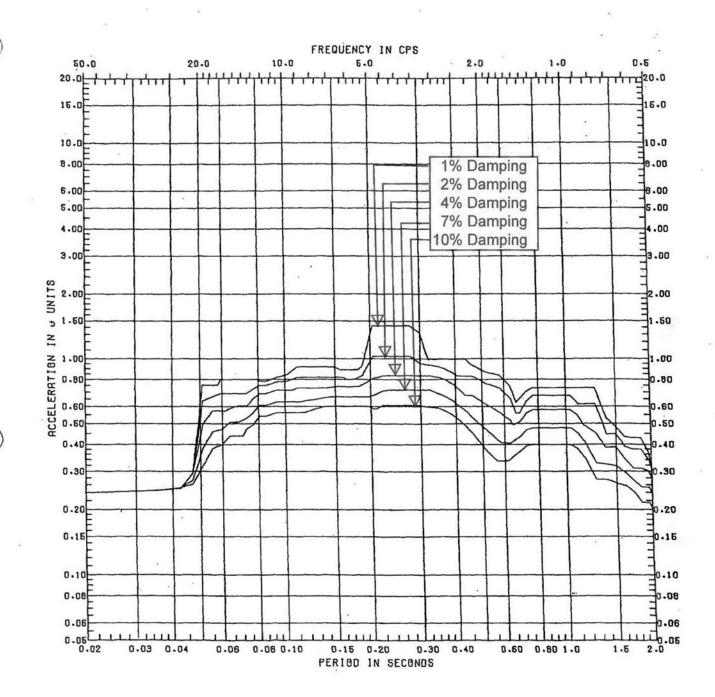
GLINT UPDATED	ON PO SAFETY			
	FIGURE	3.7-	86	
	HORIZ	ONTAL		
	ESPONSE	1.000 100 100 100		SH -
	NTERMEDI.			
EL	EVATION	682'-	6" N-S	5

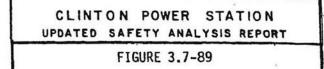


CLINT	ON PO	WER	STA	TION
UPDATED	SAFETY	ANAL	YSIS	REPORT
	FIGURE	3.7-	87	
	HORIZ	ONTAL		
SSE R	ESPONSE	SPECT	RA CW	SH -
1	NTERMEDI	ATE F	LOOR	
EL	EVATION	682'-	6" E-	W

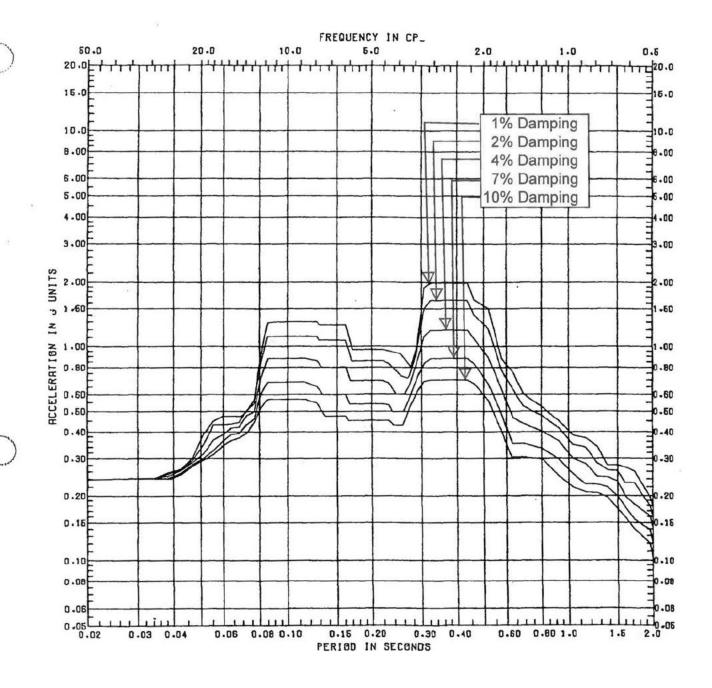


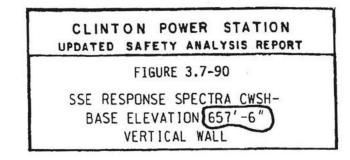


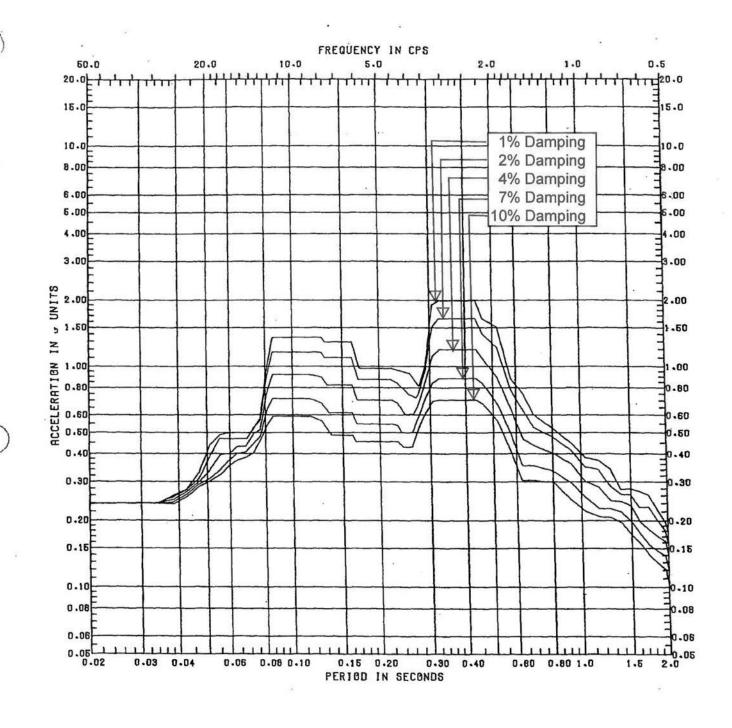


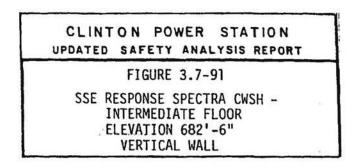


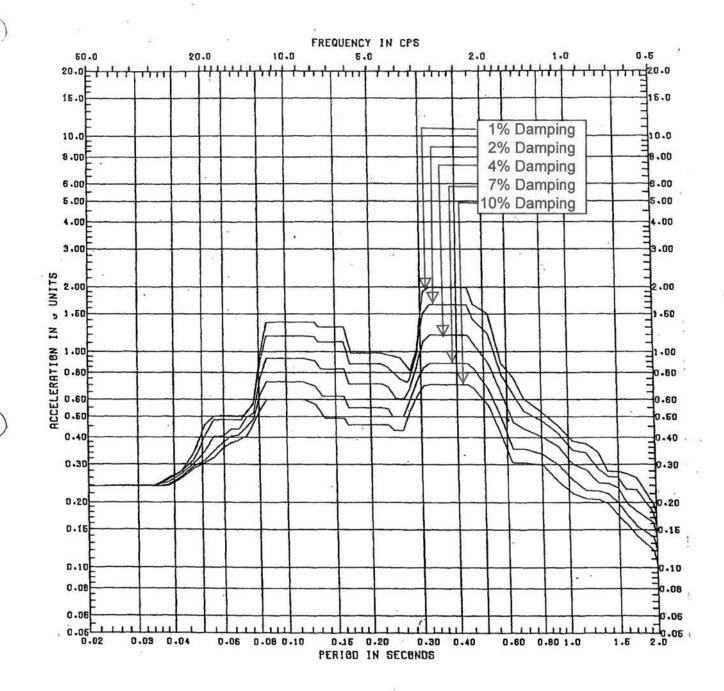
HORIZONTAL SSE RESPONSE SPECTRA CWSH -ROOF ELEVATION 730'-0" E-W

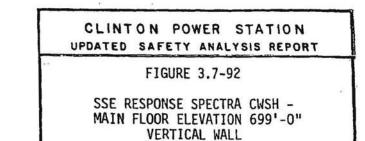


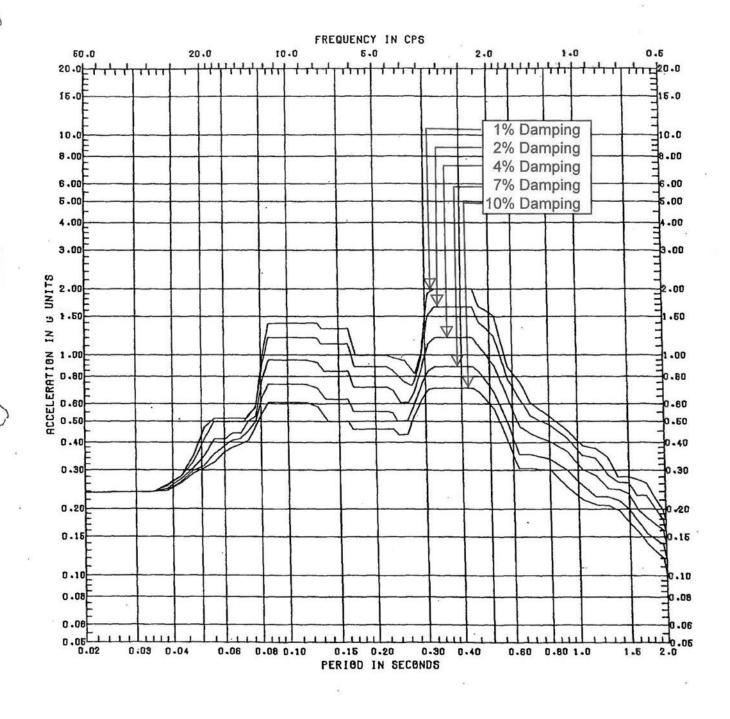




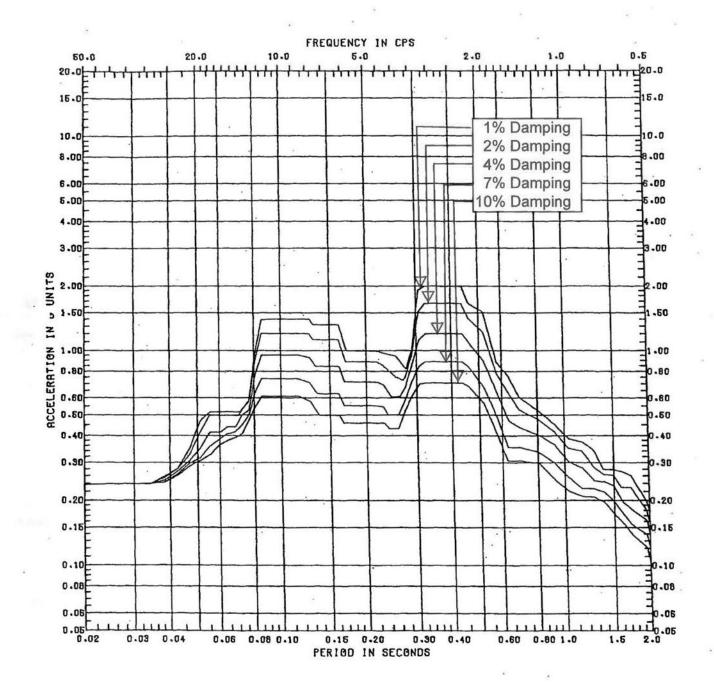


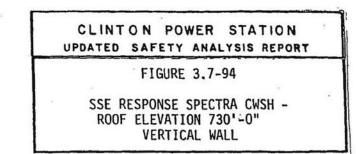




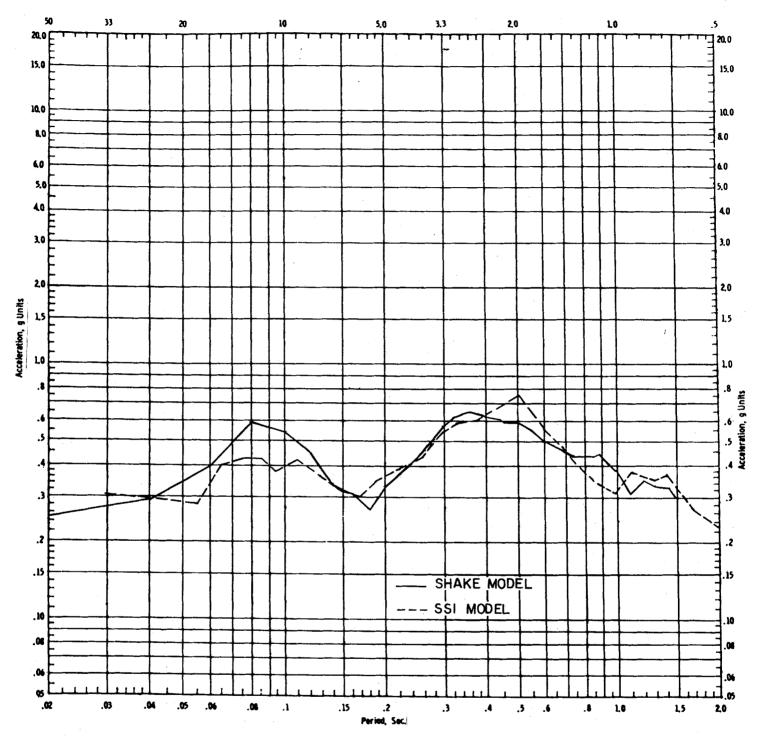


CLINT UPDATED	ON PO SAFETY			
	FIGURE	3.7-9	3	
	ESPONSE			
CRANE	LEVEL EL VERTIC			'-0"



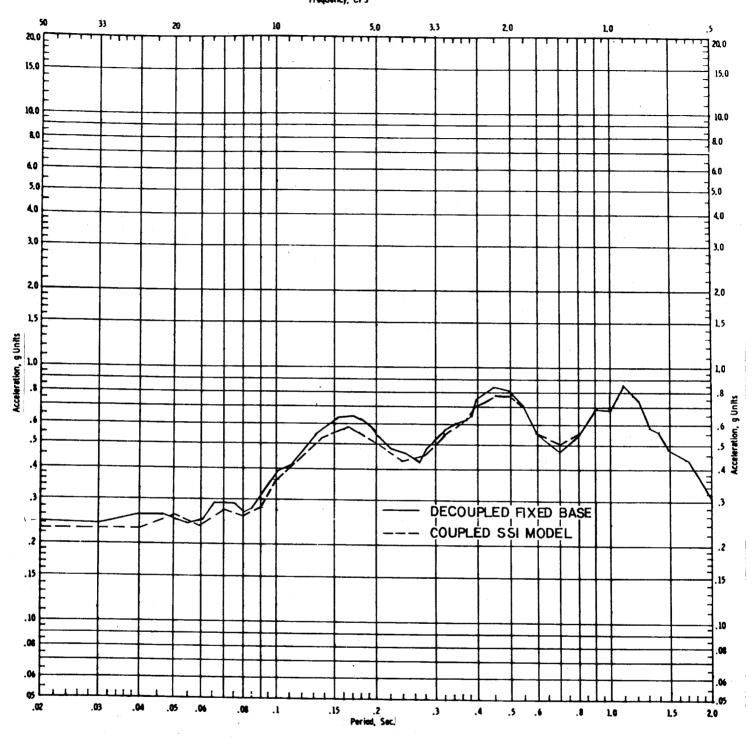


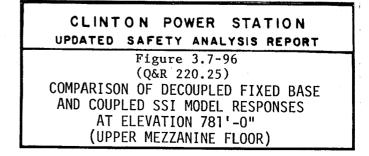
Frequency, CPS



CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT Figure 3.7.95

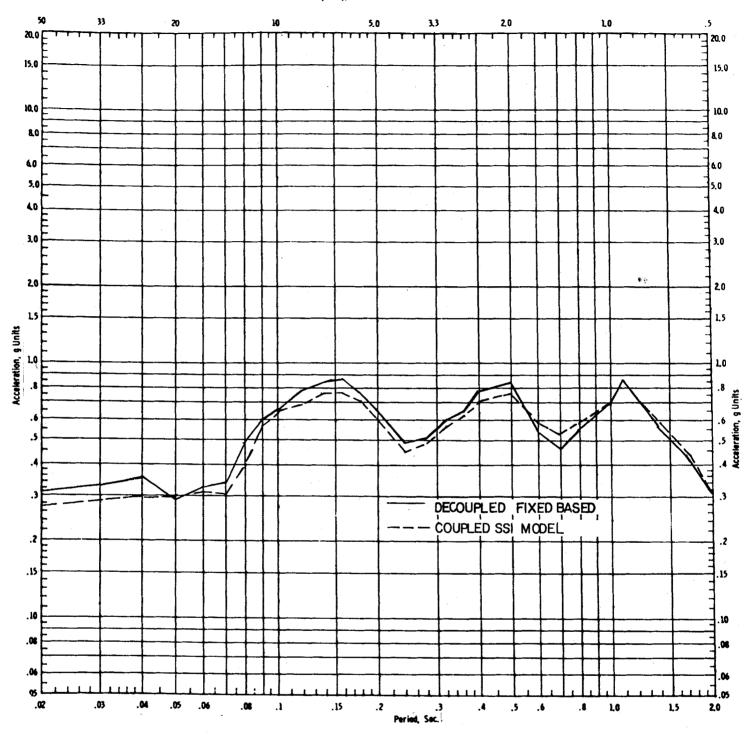
Figure 3.7-95 (Q&R 220.24) COMPARISON OF FREE FIELD FOUNDATION LEVEL SPECTRA FROM THE SHAKE AND SSI ANALYSIS



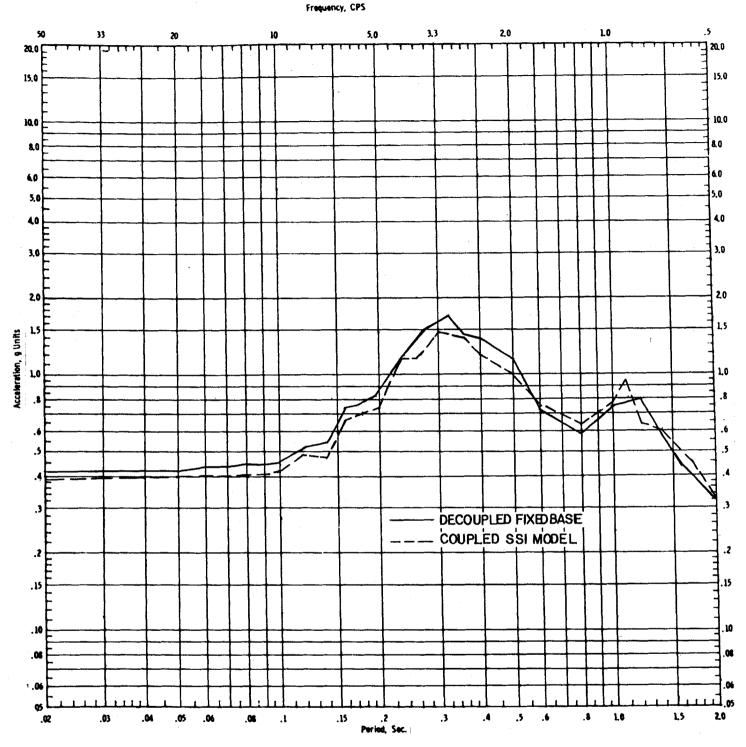


Frequency, CPS

Frequency, CPS



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



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

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

Figure 3.7-99 (Q&R 220.36)

DETAIL OF PIPE ATTACHMENT

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

Figure 3.7-100 (Q&R 220.36)

ELECTRICAL MANHOLE CONNECTION DETAILS

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CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT Figure 3.7-101

pr

(Q&R 220.36) TYPICAL DUCT DETAIL AT MANHOLE WALL (CATEGORY I)

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

w'

FIGURE 3.8-1

CONTAINMENT SYSTEM

(SHEET 1 of 2)

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT FIGURE 3.8-1

CONTAINMENT SYSTEM

(SHEET 2 of 2)

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT FIGURE 3.8-2

CONTAINMENT FRAMING PLAN

(SHEET 1 of 6)

o**.**

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-2

CONTAINMENT FRAMING PLAN

(SHEET 2 of 6)

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CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-2

CONTAINMENT FRAMING PLAN

(SHEET 3 of 6)

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT FIGURE 3.8-2 CONTAINMENT FRAMING PLAN (SHEET 4 of 6)



FIGURE 3.8-2

CONTAINMENT FRAMING PLAN

(SHEET 5 of 6)

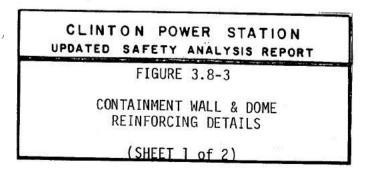
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-2

CONTAINMENT FRAMING PLAN

(SHEET 6 of 6)

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	CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
-	CALCELL ANALISIS REPORT
	FIGURE 3.8-3
	1100KL 5.0-5
	CONTAINMENT WALL & DOME
	REINFORCING DETAILS
	(SHEET 2 of 2)
-	



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CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-4

PERSONNEL AND EQUIPMENT HATCH REINFORCING DETAILS (CONTAINMENT)

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT FIGURE 3.8-5

BASE MAT TOP REINFORCING PLAN CONTAINMENT AND FUEL BUILDING

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-6

BASE MAT TOP REINFORCING PLAN CONTAINMENT AND AUXILIARY BUILDING

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-7

BASE MAT BOTTOM REINFORCING PLAN CONTAINMENT AND FUEL BUILDING

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-8

BASE MAT BOTTOM REINFORCING PLAN CONTAINMENT AND AUXILIARY BUILDING

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CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-9

BASE MAT SECTION REINFORCING DETAIL

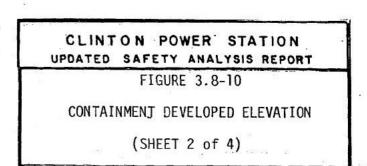
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

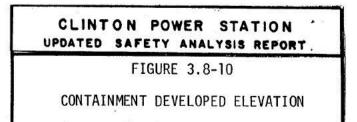
FIGURE 3.8-10

CONTAINMENT DEVELOPED ELEVATION

(SHEET 1 of 4)

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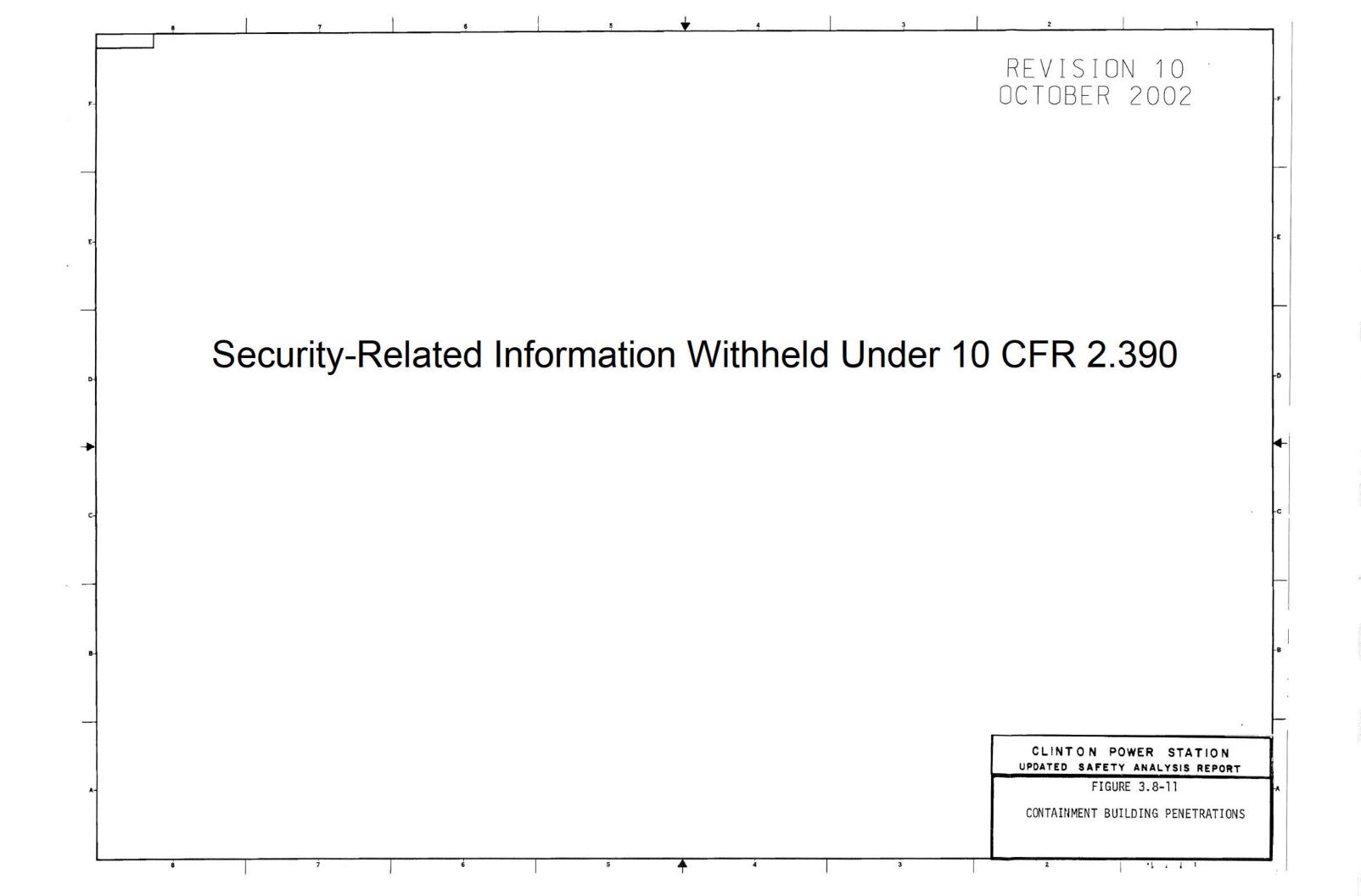


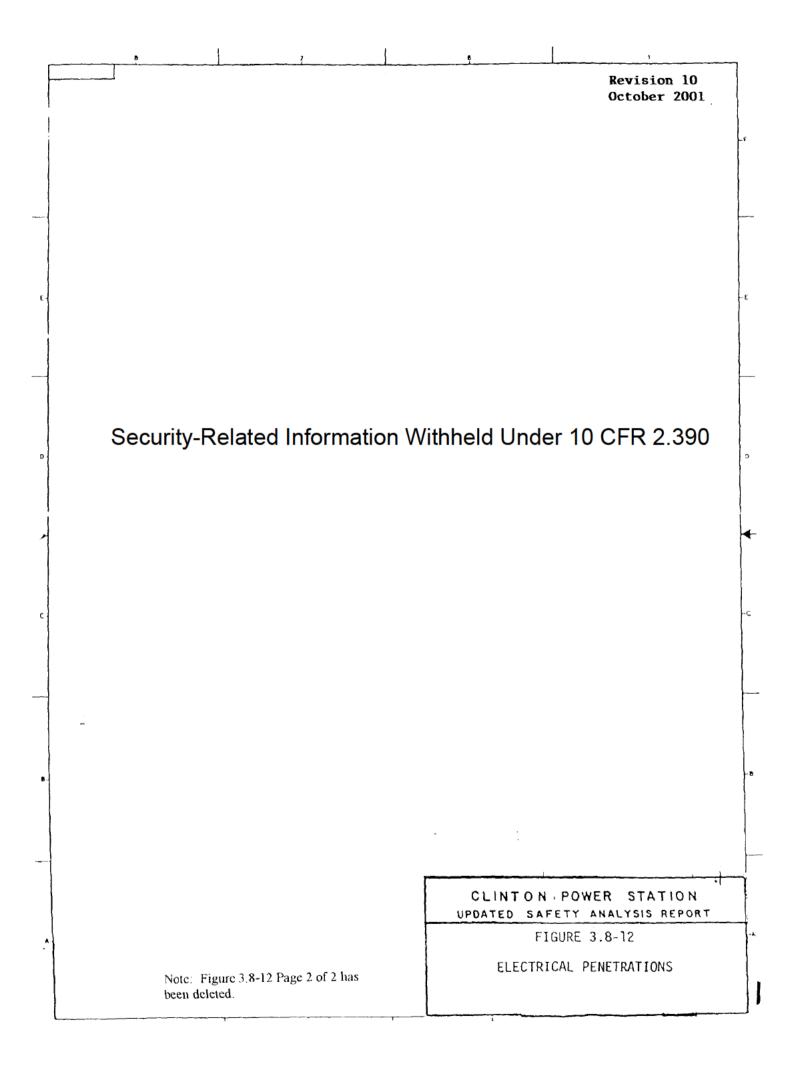


(SHEET 3 of 4)

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







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CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-13 PERSONNEL AND EQUIPMENT HATCH DETAILS SHEET 1 OF 2

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Security-Related Information Withheld Under 10 CFR 2.390

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FIGURE 3.8-13

PERSONNEL AND EQUIPMENT HATCH DETAILS (SHEET 2 of 2)

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CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-14

CONTAINMENT LINER DETAILS

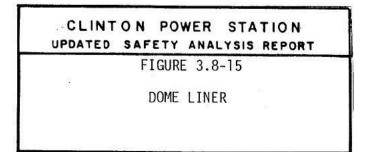
(SHEET 1 of 2)

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> FIGURE 3.8-14 CONTAINMENT LINER DETAILS

> > (SHEET 2 of 2)



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FIGURE 3.8-16

CRANE GIRDER BRACKET EMBEDMENT DETAIL

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-17

FORCE PLOTS - CONTAINMENT WALL

(SHEET 1 of 4)

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-17

FORCE PLOTS - CONTAINMENT WALL

(SHEET 2 of 4)

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT >

FIGURE 3.8-17

FORCE PLOTS - CONTAINMENT WALL

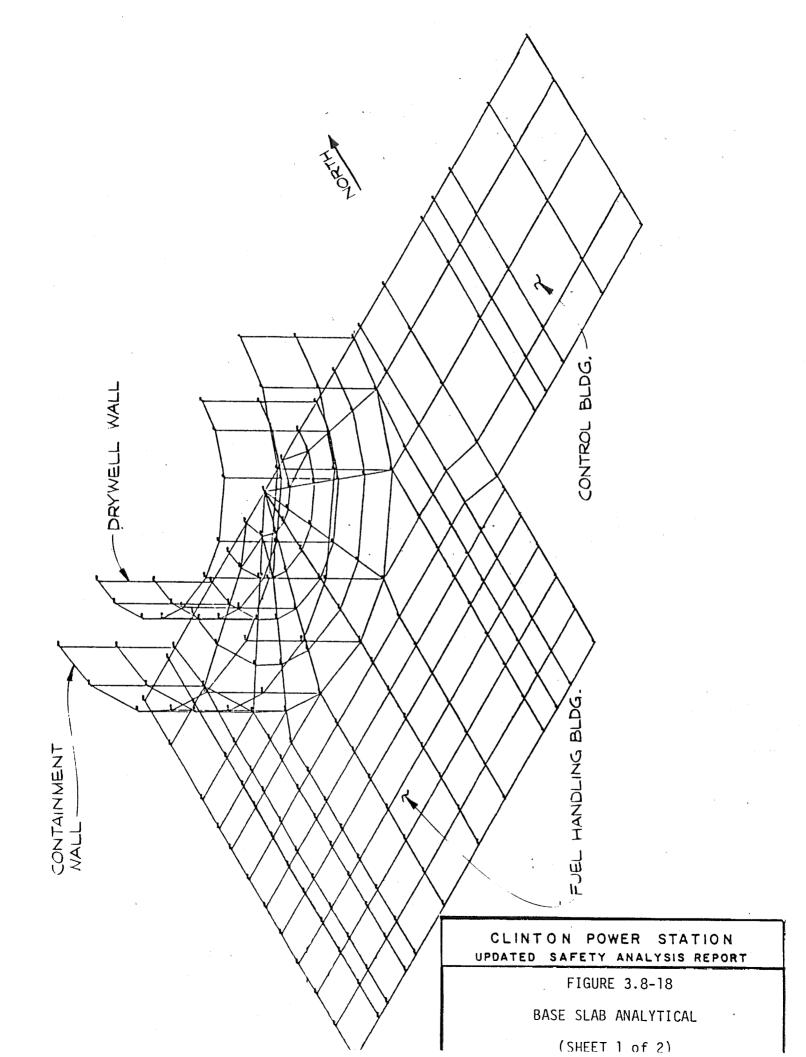
(SHEET 3 of 4)

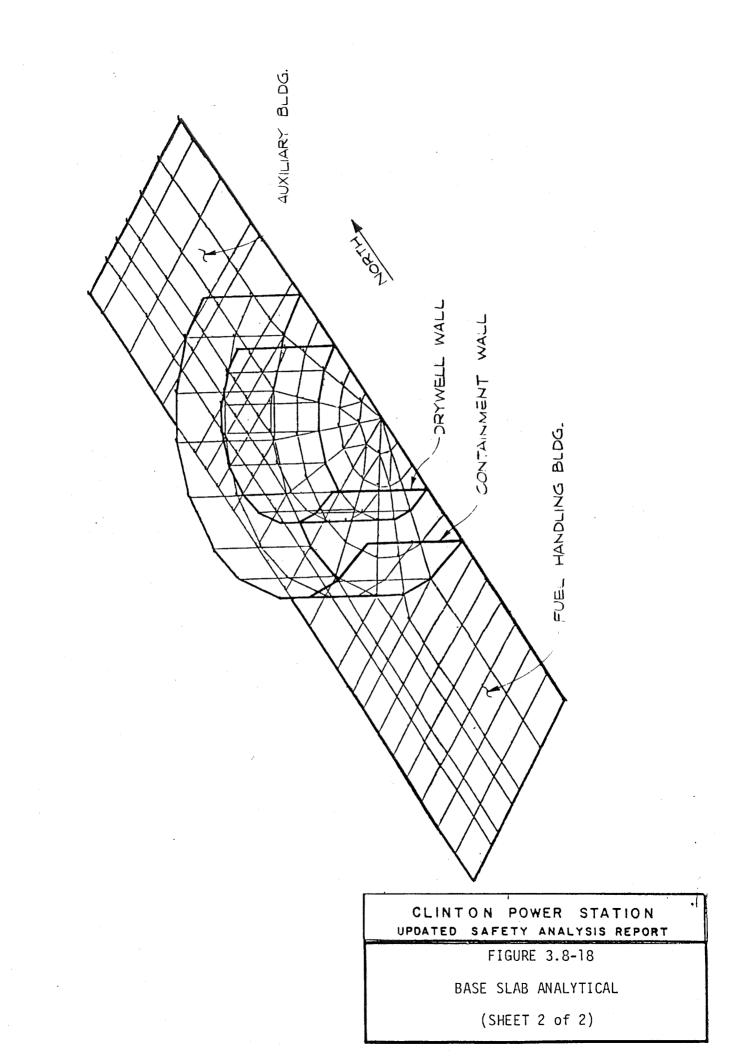
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

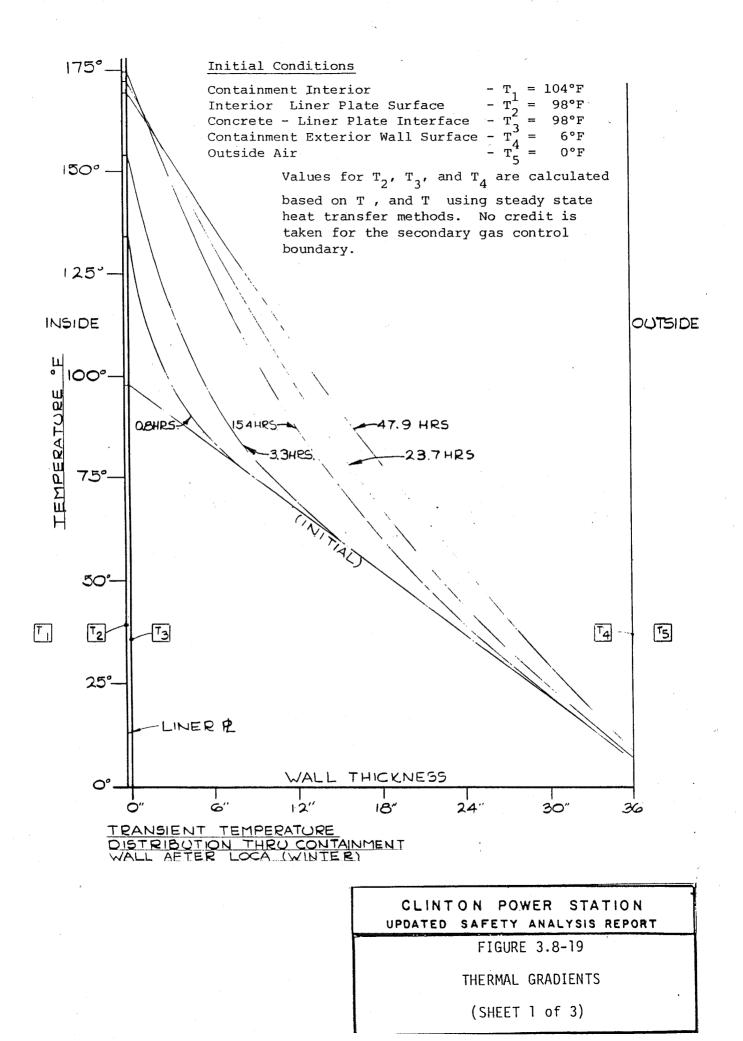
FIGURE 3.8-17

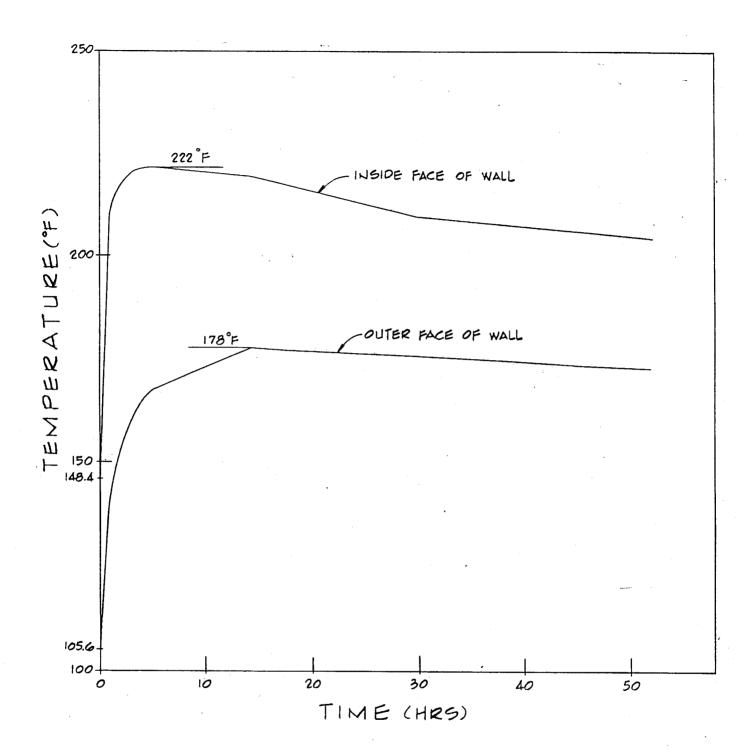
FORCE PLOTS - CONTAINMENT WALL

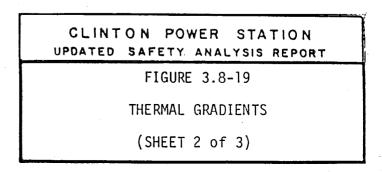
(SHEET 4 of 4)

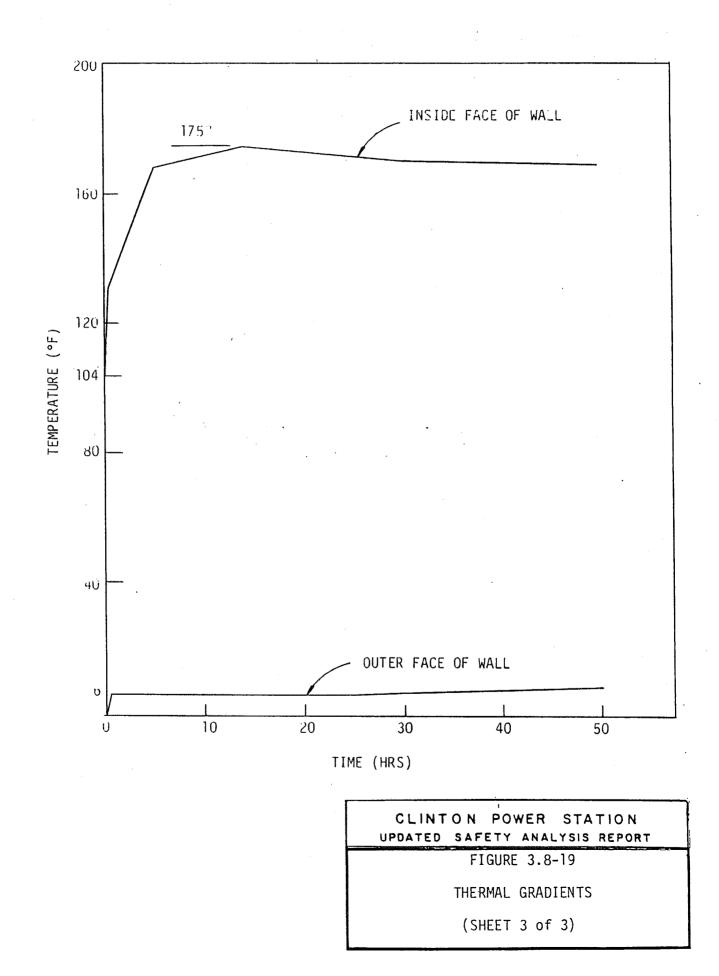


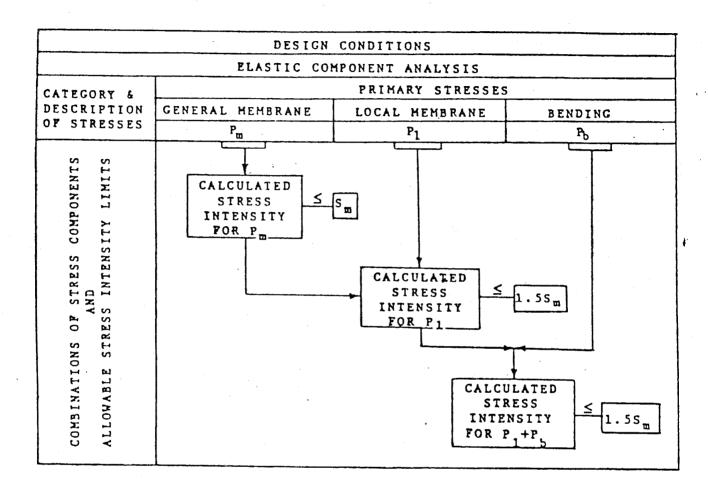


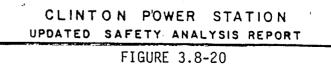




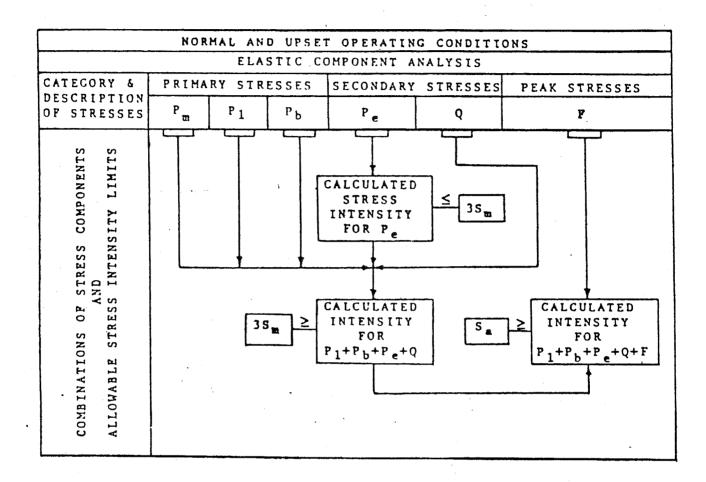






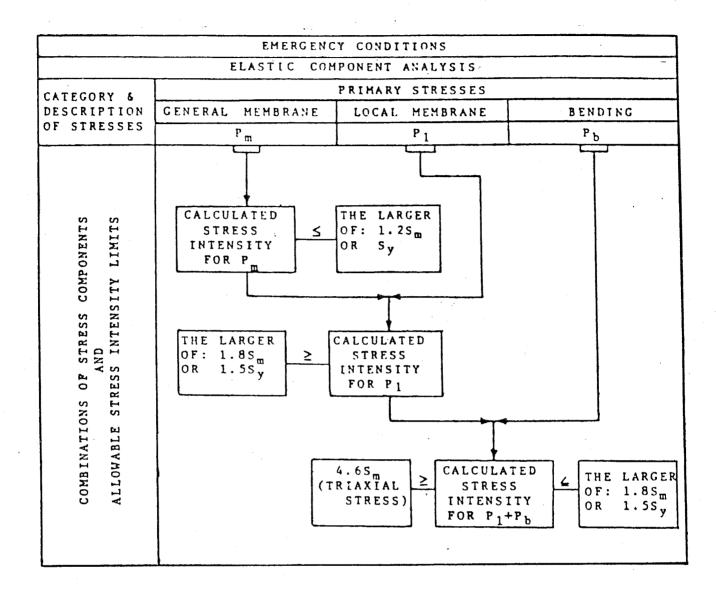


STRESS CATEGORIES AND STRESS INTENSITY LIMITS FOR DESIGN CONDITIONS



CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT FIGURE 3.8-21

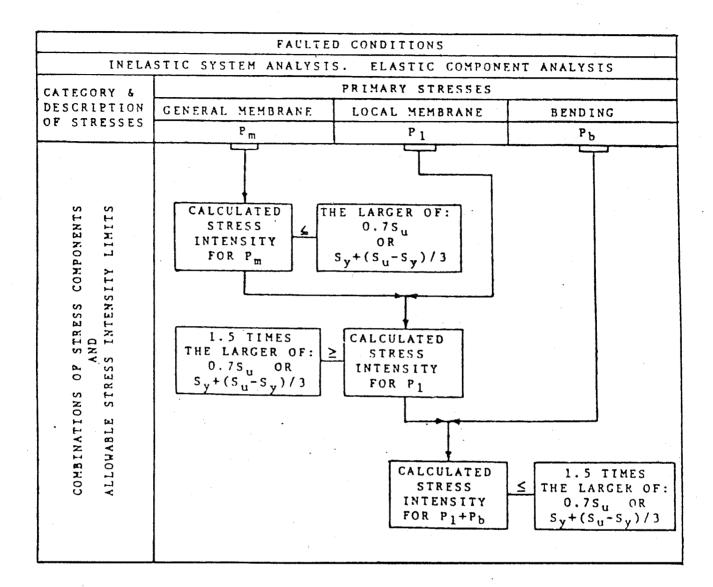
STRESS CATEGORIES AND STRESS INTENSITY LIMITS FOR NORMAL AND UPSET CONDITIONS

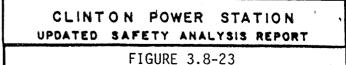


CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-22

STRESS CATEGORIES AND STRESS INTENSITY LIMITS FOR EMERGENCY CONDITIONS





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)

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

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)

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-27

DRYWELL REINFORCING DETAILS



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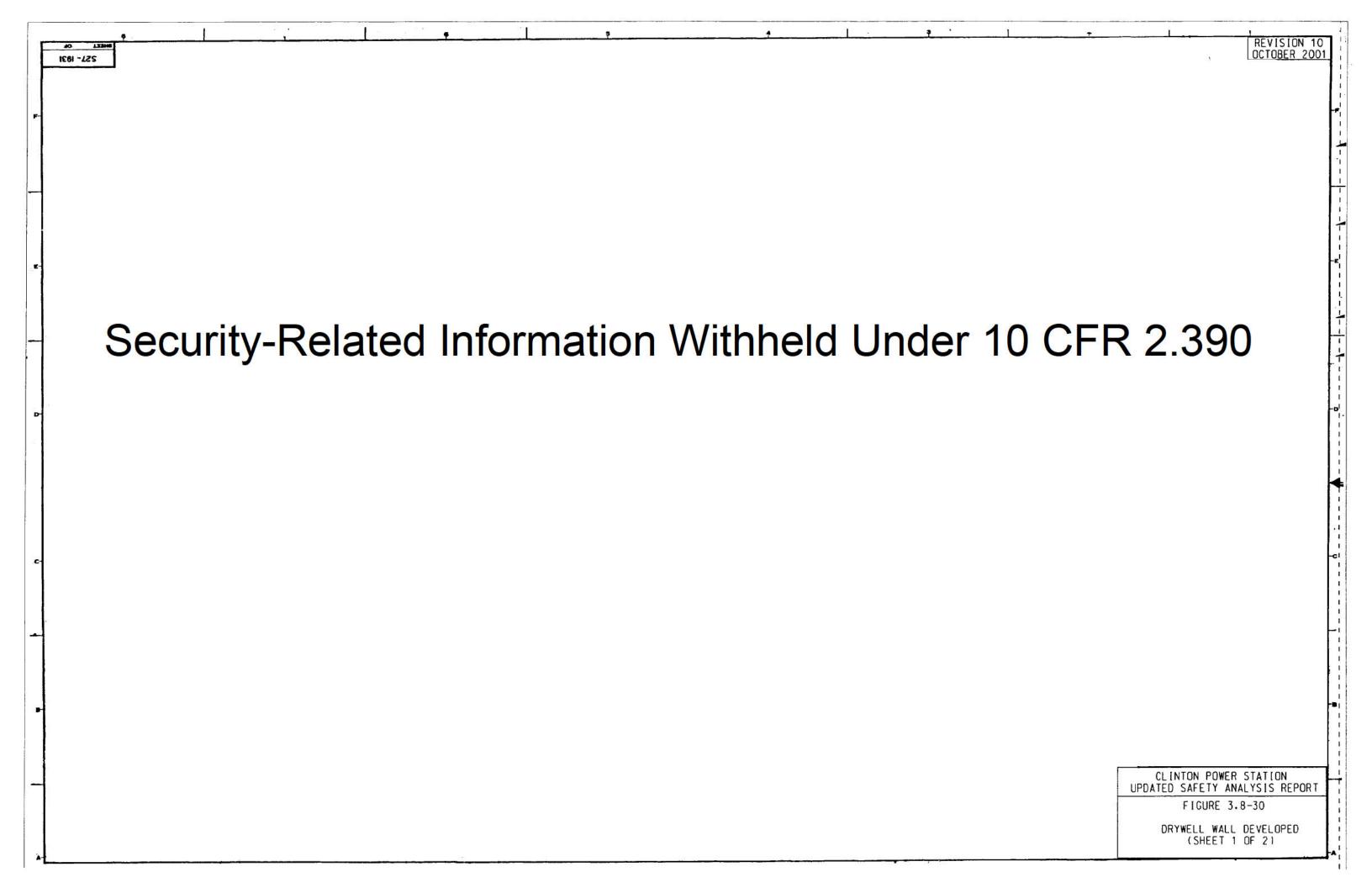
FIGURE 3.8-28

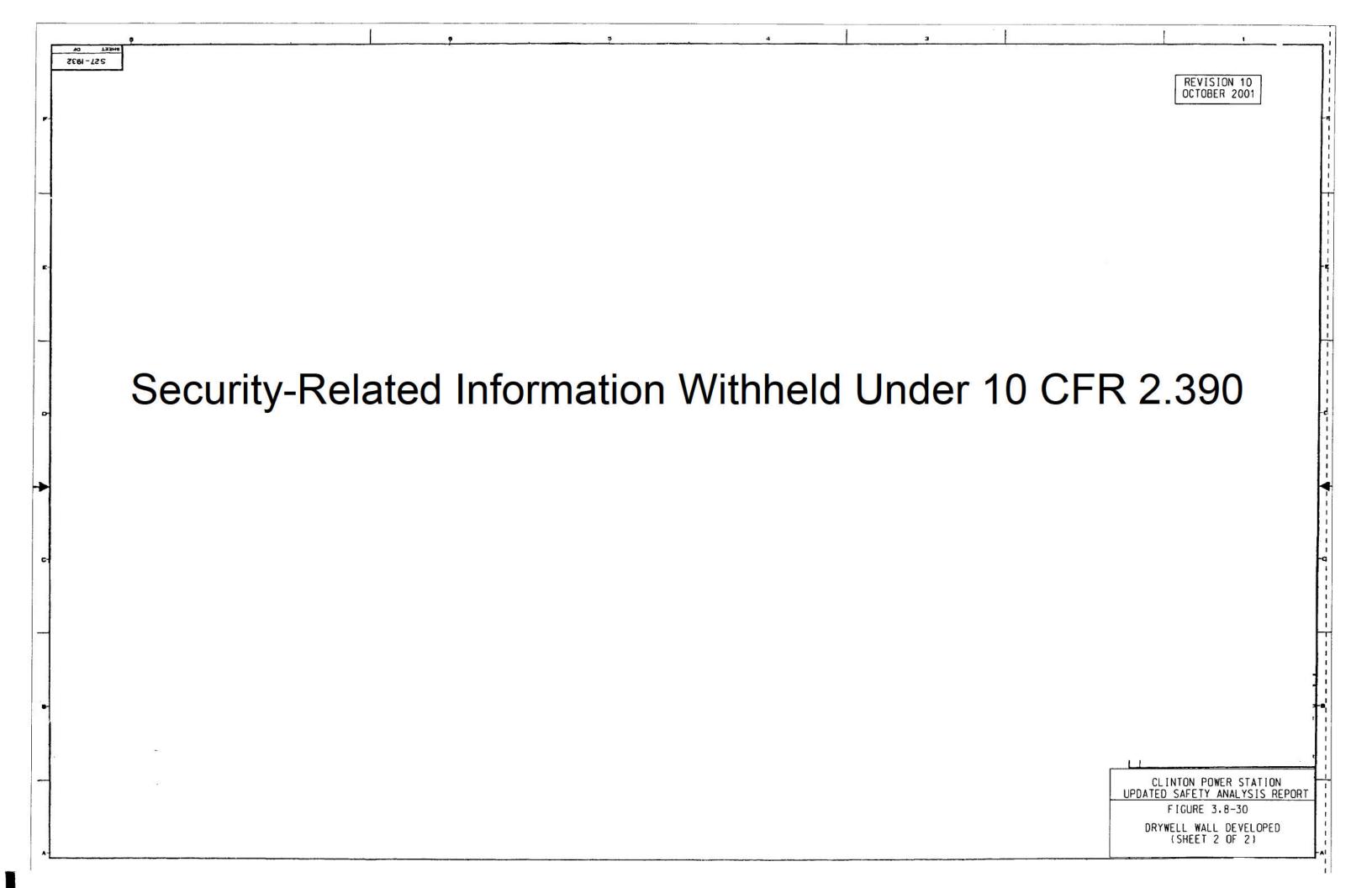
PERSONNEL & EQUIPMENT HATCHES REINFORCING DETAILS - DRYWELL WALL

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FIGURE 3.8-29

MAIN STEAMLINE REINFORCING -DRYWELL WALL





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FIGURE 3.8-31

DETAILS OF THE DRYWELL HEAD AND CONTAINMENT POOL COMPLEX

(SHEET 1 of 2)

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FIGURE 3.8-31

DETAILS OF THE DRYWELL HEAD AND CONTAINMENT POOL COMPLEX

(SHEET 2 OF 2)

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-32

REACTOR PEDESTAL DEVELOPED

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-33

FORCE & MOMENT PLOTS - DRYWELL

(SHEET 1 of 4)

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-33

FORCE & MOMENT PLOTS - DRYWELL

(SHEET 2 of 4)

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-33

FORCE & MOMENT PLOTS - DRYWELL

(SHEET 3 of 4)

SAFE SHUTDOWN EARTHQUAKE LOADING (E')

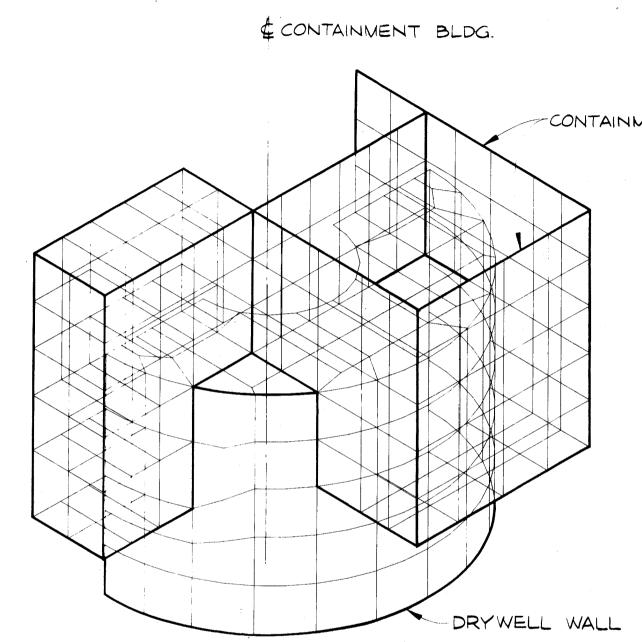
AZIMUTH 90°

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CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT FIGURE 3.8-33

FORCE & MOMENT PLOTS - DRYWELL

(SHEET 4 of 4)



-CONTAINMENT POOL WALLS

CLINTON' POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 1.8-34

.

ANALYTICAL MODEL IF JPPER PORTION OF DRYWELL ITRUCTURE

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CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-35

CRANE SEISMIC FEATURES

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FIGURE 3.8-36

TYPICAL BEAM REINFORCING DETAILS

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-37

TYPICAL REINFORCING DETAILS (SHEET 1 of 4)

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-37

TYPICAL REINFORCING DETAILS (SHEET 2 of 4)

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

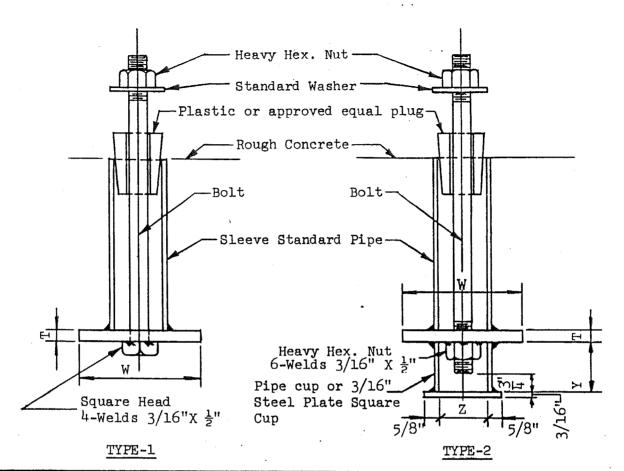
FIGURE 3.8-37

TYPICAL REINFORCING DETAILS (SHEET 3 of 4)

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.8-37

TYPICAL REINFORCING DETAILS (SHEET 4 of 4)



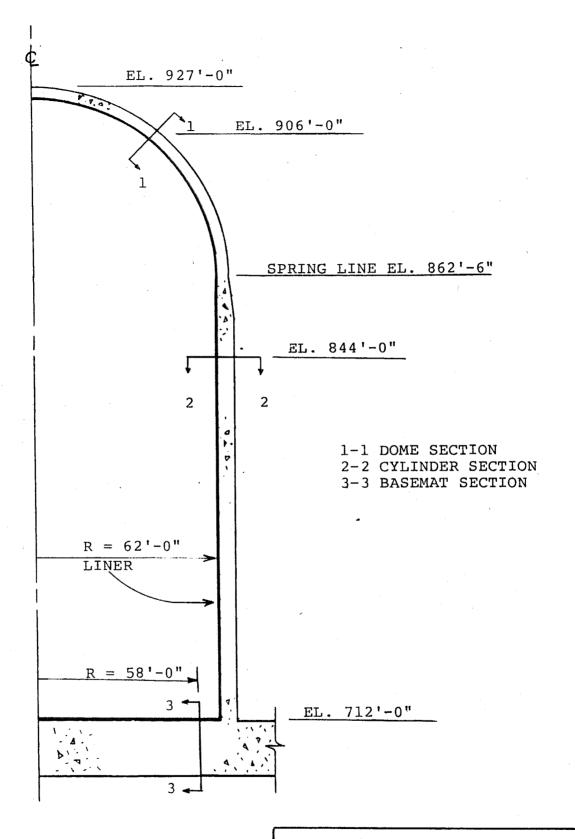
TYPE 1 AND 2 BOLTS													
BOLT DIAM.		5/8"	3/4"	7/8"	1"	1 <u>1</u> "	1늘"	14"	2"	2 <u>1</u> "	2 <u>1</u> "	2 3 "	3"
SLEEVE		1늘"	2"	2"	2 <u>1</u> "	3"	3"	3 <u>1</u> "	3늘"	4"	5"	5"	5" [']
SQUARE PLATE WASHER	Т	3/8"	3/8"	1/2"	1/2"	5/8"	3/4"	3/4"	3/4"	7/8"	7/8"	l"	1 <u>1</u> "
	W	3 <u>1</u> "	4"	5"	5"	6"	6"	8"	8"	9"	10"	11"	12"
CUP	Z	1 <u>1</u> "	2"	2"	2 <u>1</u> "	3"	3"	3 1 2"	կ"	5"	5"	5"	6"
	Y	2"	2 <u>1</u> "	2 <u>1</u> "	2 <u>1</u> "	3"	3"	3 <u>1</u> "	3 <u>1</u> "	4"	4"	4 <u>1</u> "	4 <u>1</u> "

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

> CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

> > FIGURE 3.8-38

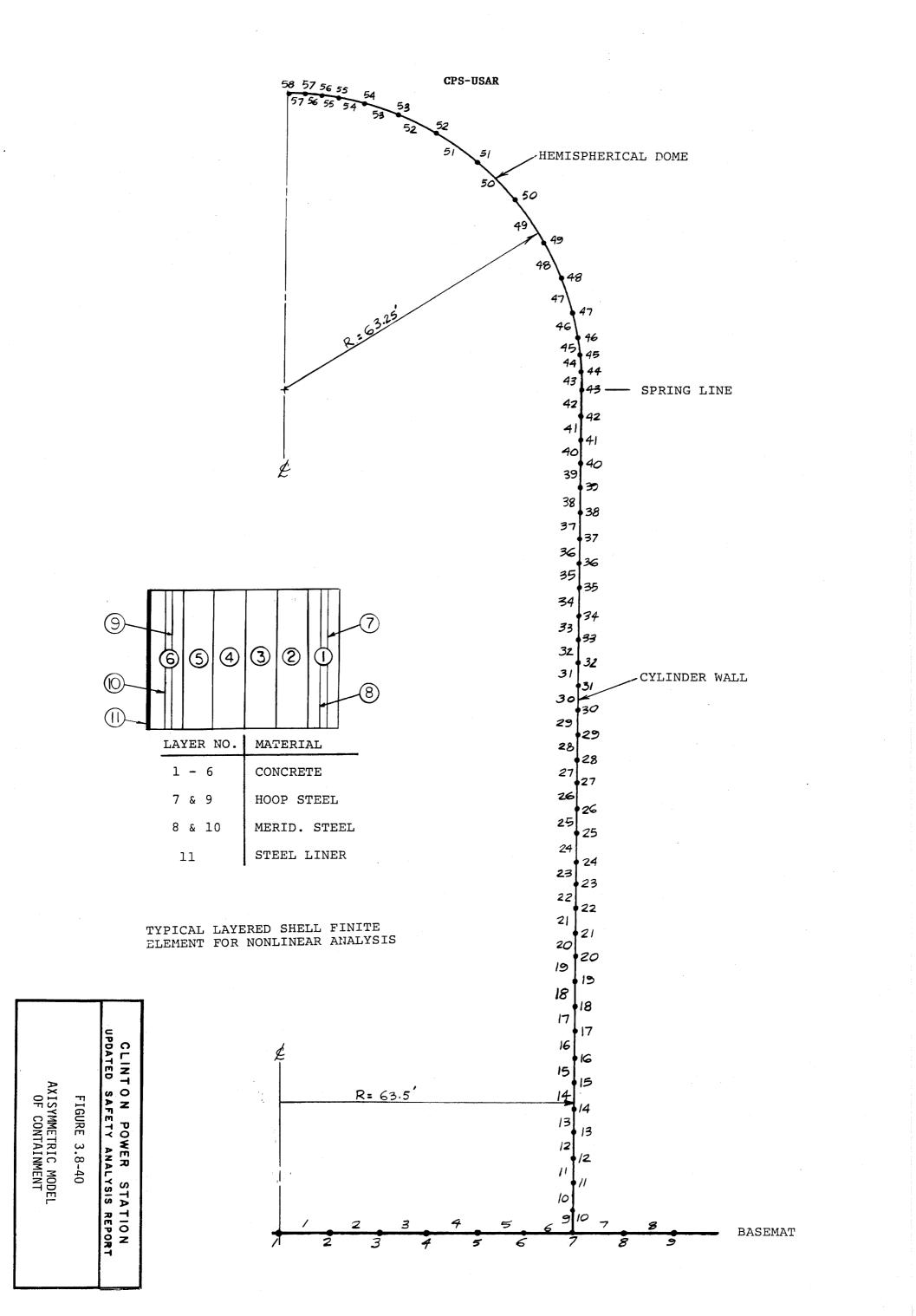
TYPICAL ANCHOR BOLT DETAILS FOR SEISMIC CATEGORY I EQUIPMENT

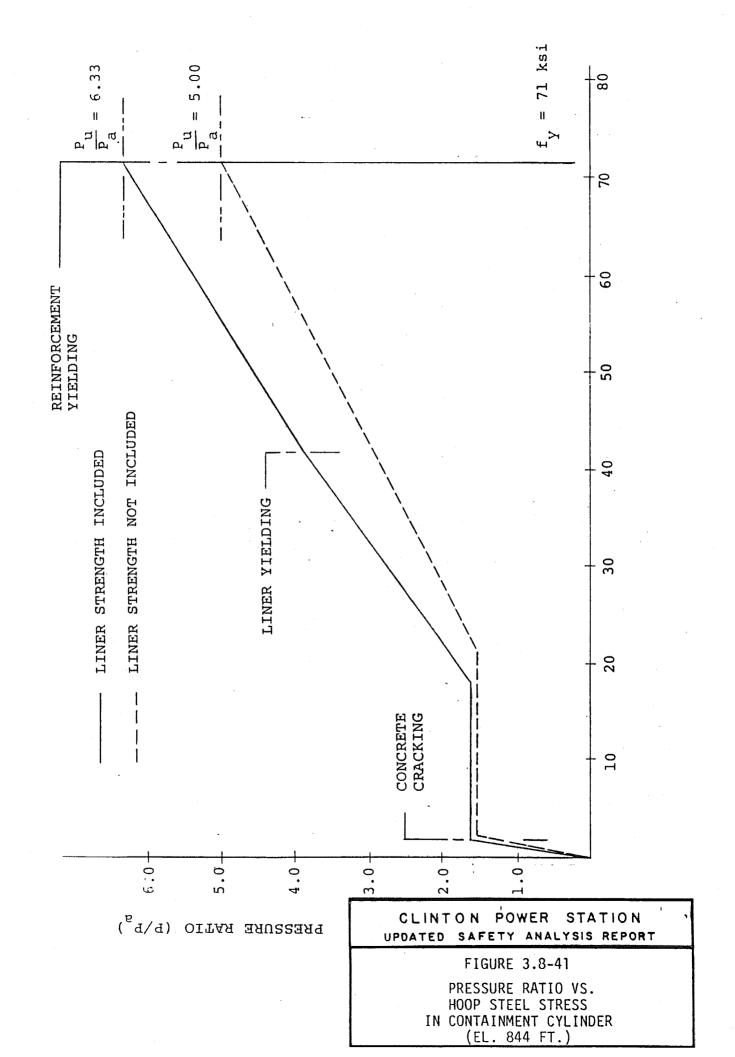


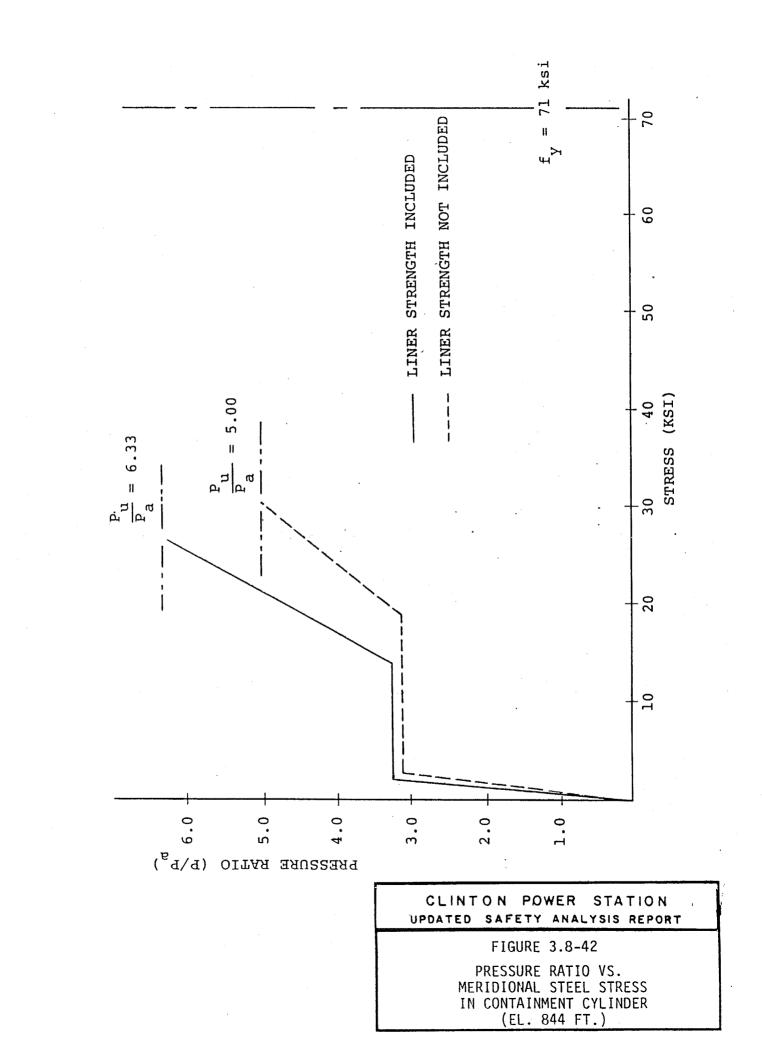
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

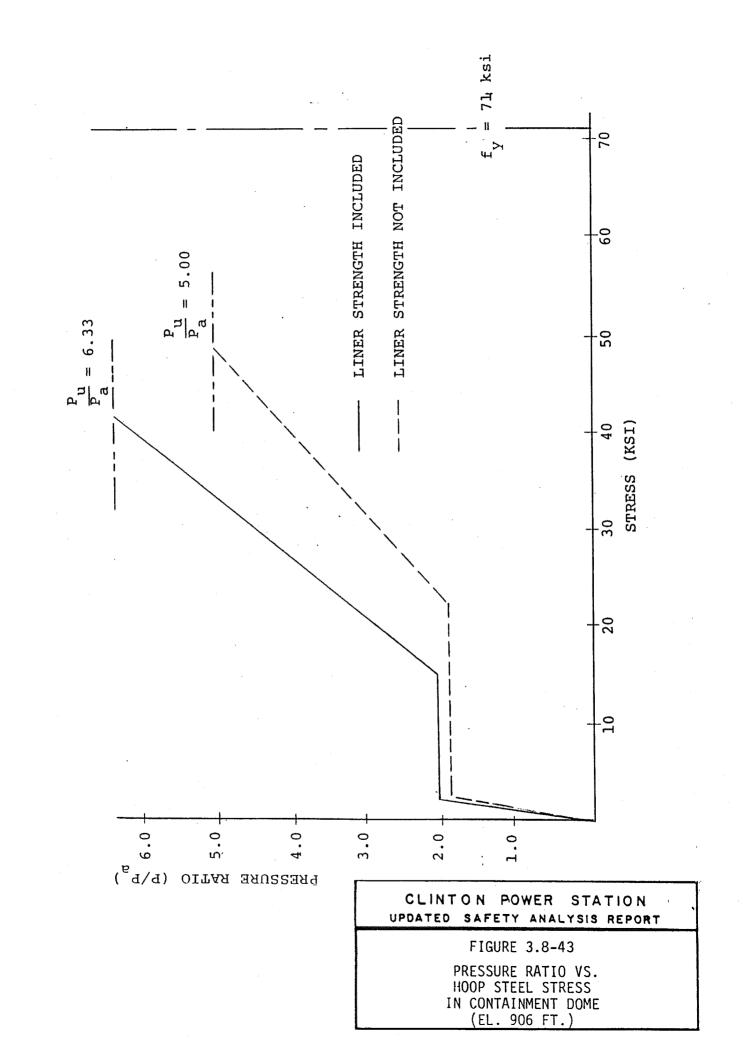
FIGURE 3.8-39

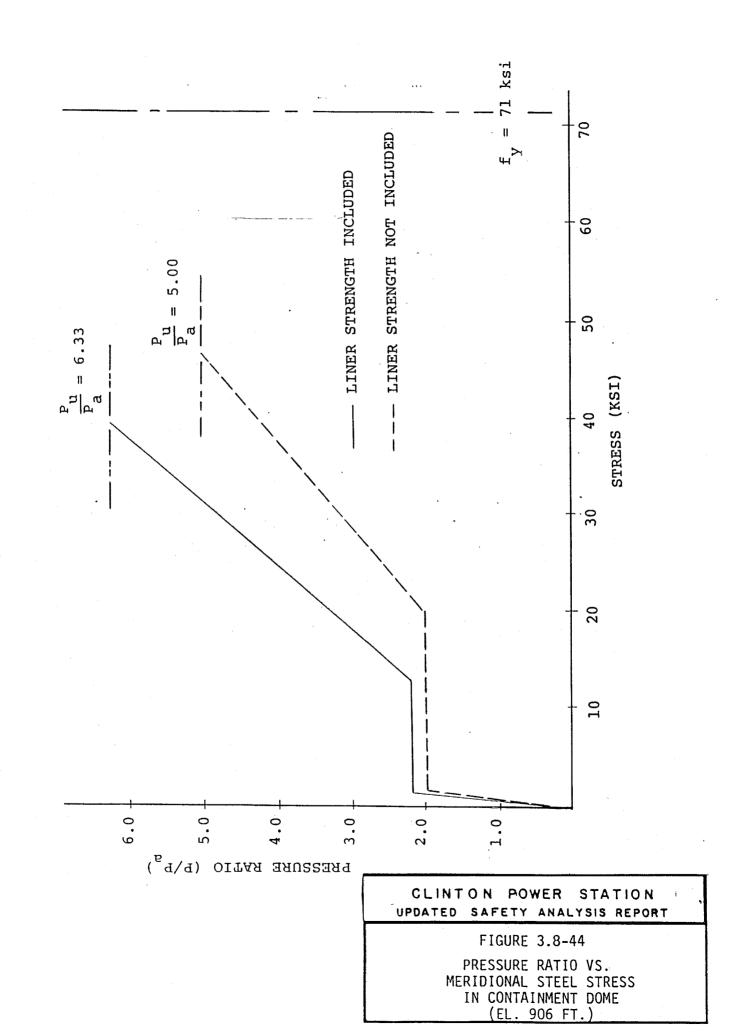
CRITICAL SECTIONS IN CONTAINMENT STRUCTURE

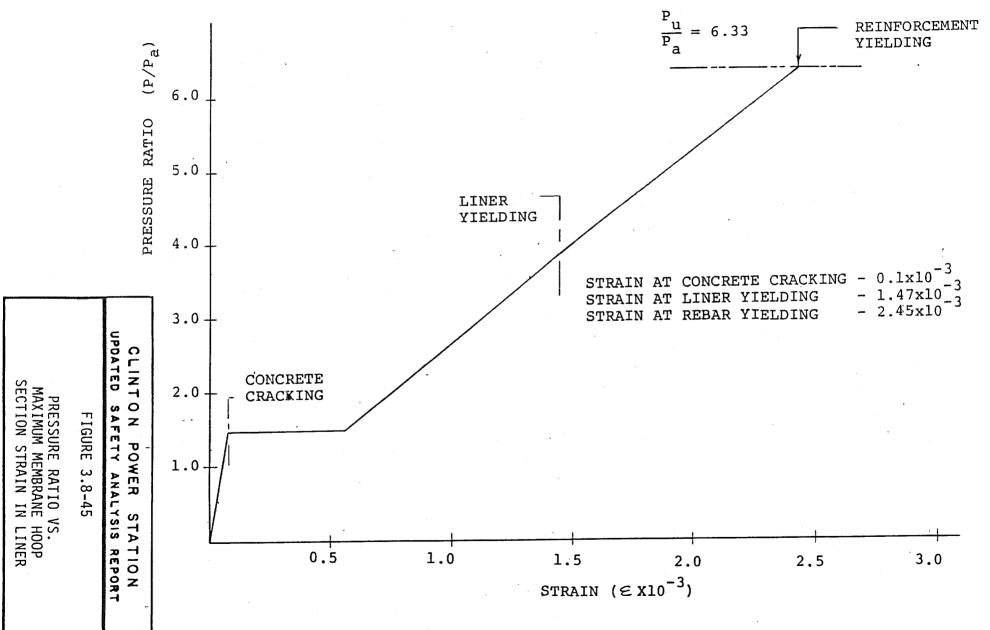






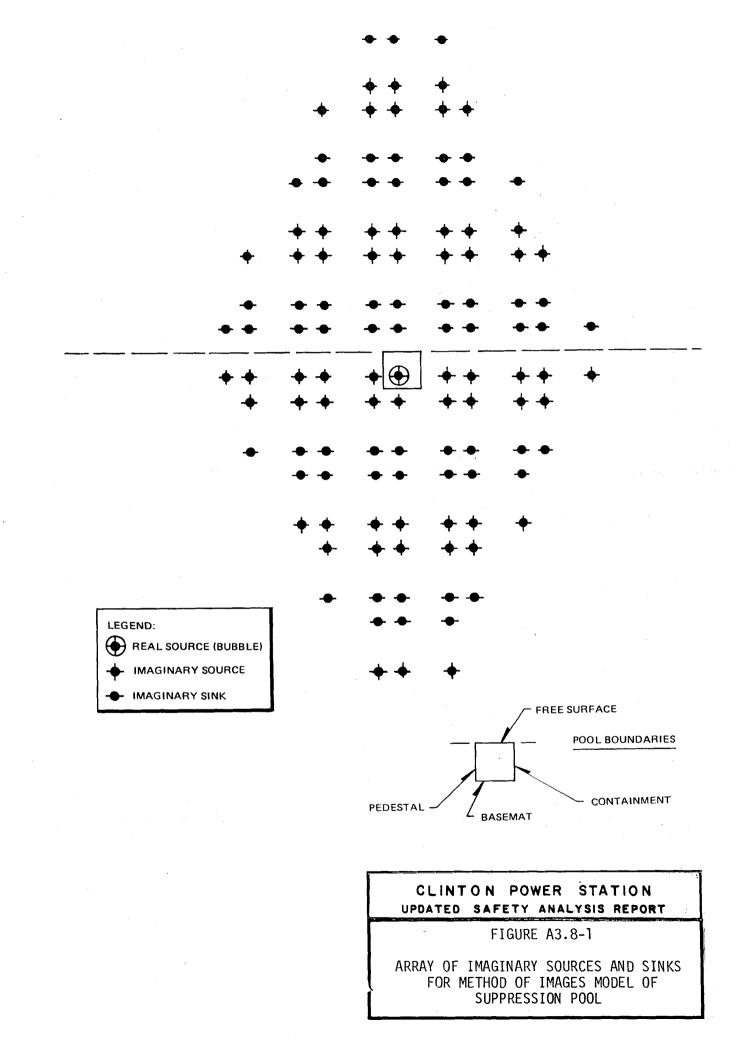


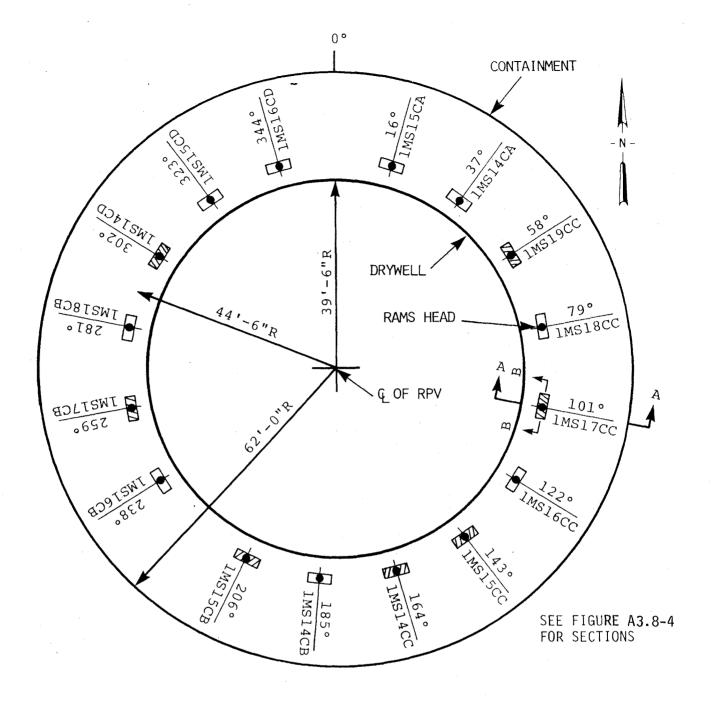




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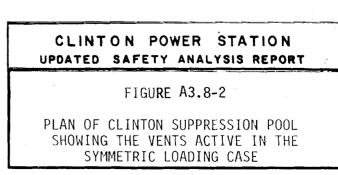
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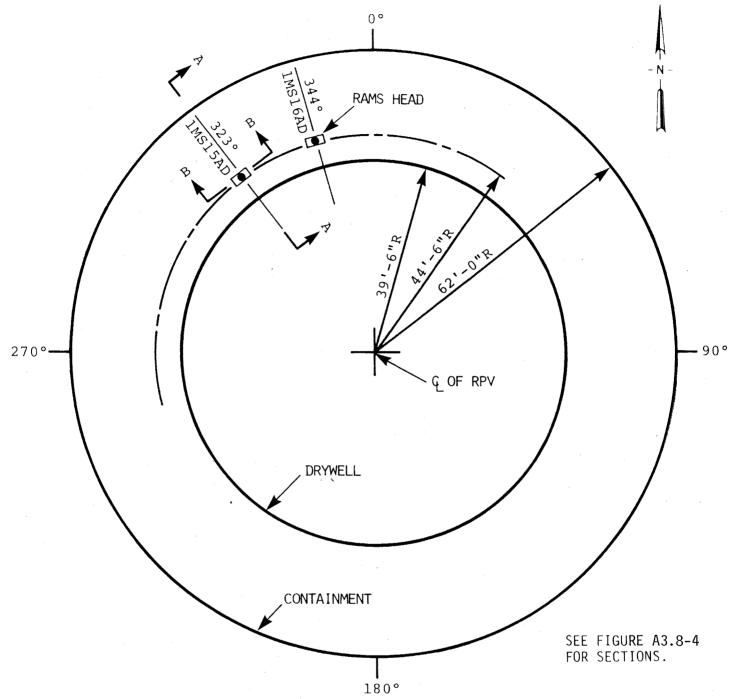




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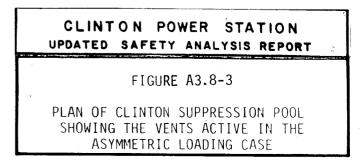
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- 2. CROSS HATCHED VENTS ARE ATTACHED TO ADS VALVES.
- 3. RAMS HEADS ARE ORIENTED CIRCUMFERENTIALLY.

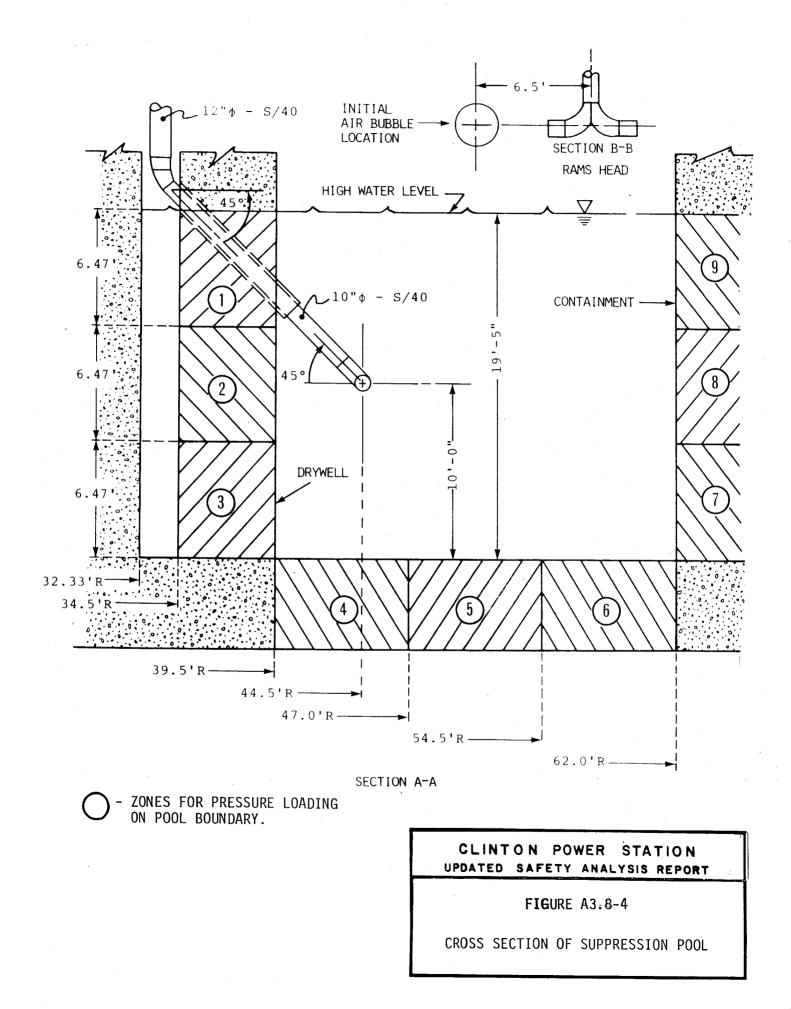


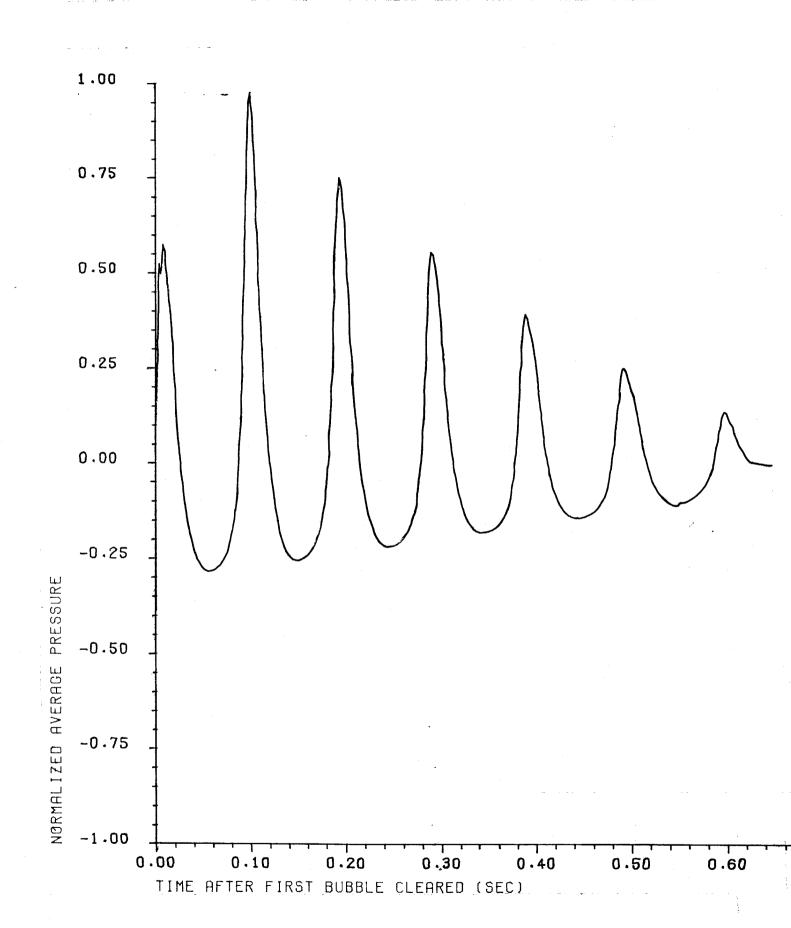


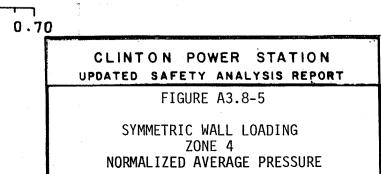
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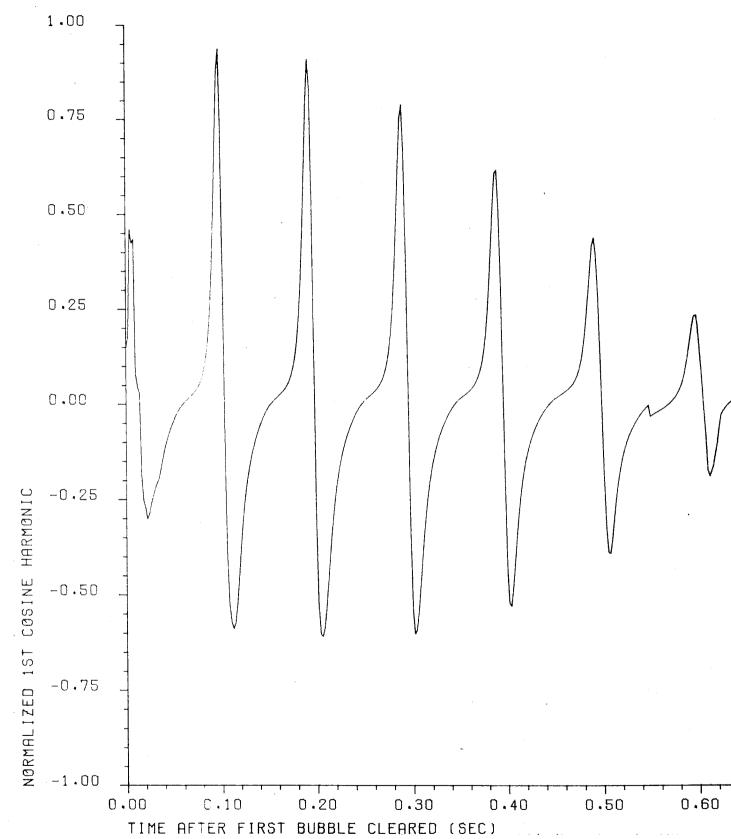
- 1. NOT TO SCALE.
- 2. RAMS HEADS ARE ORIENTED CIRCUMFERENTIALLY.











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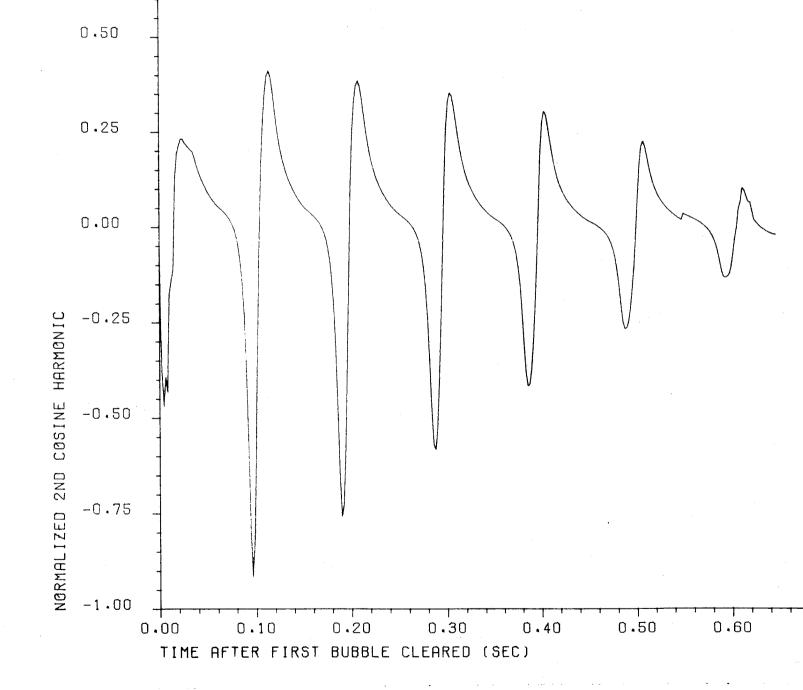
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CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-6

SYMMETRIC WALL LOADING ZONE 4 NORMALIZED 1st COSINE HARMONIC



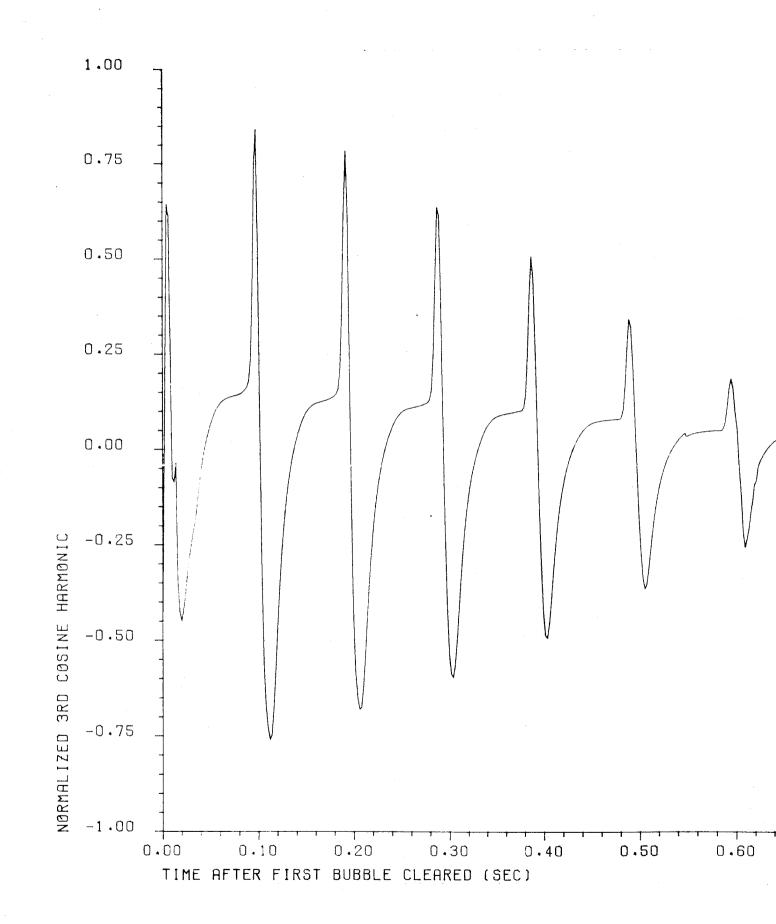


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CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-7

SYMMETRIC WALL LOADING ZONE 4 NORMALIZED 2nd COSINE HARMONIC



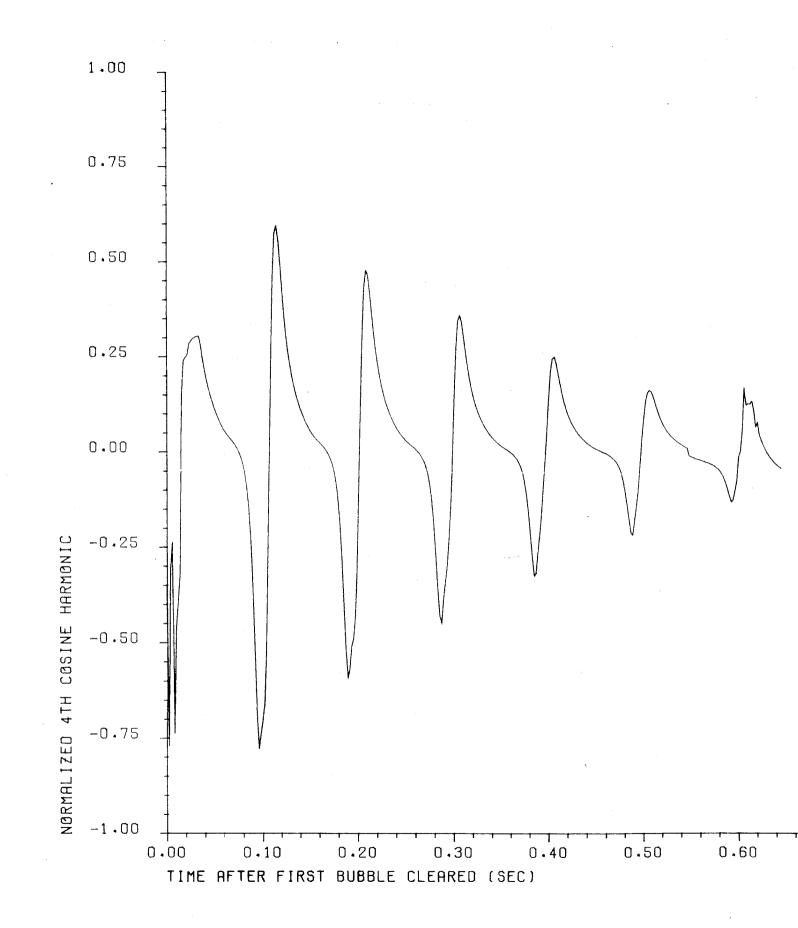
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CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-8

SYMMETRIC WALL LOADING ZONE 4 NORMALIZED 3rd COSINE HARMONIC

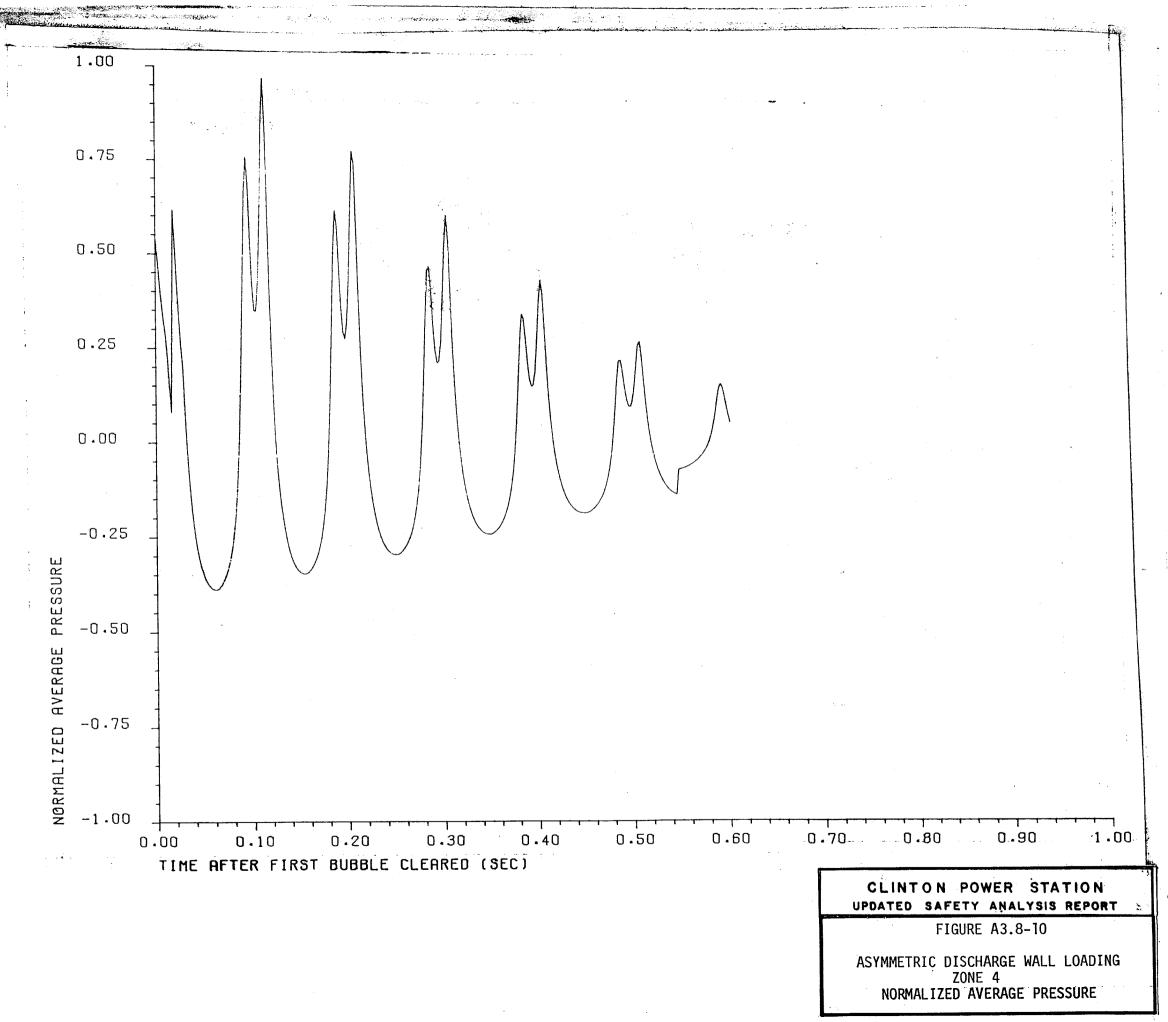


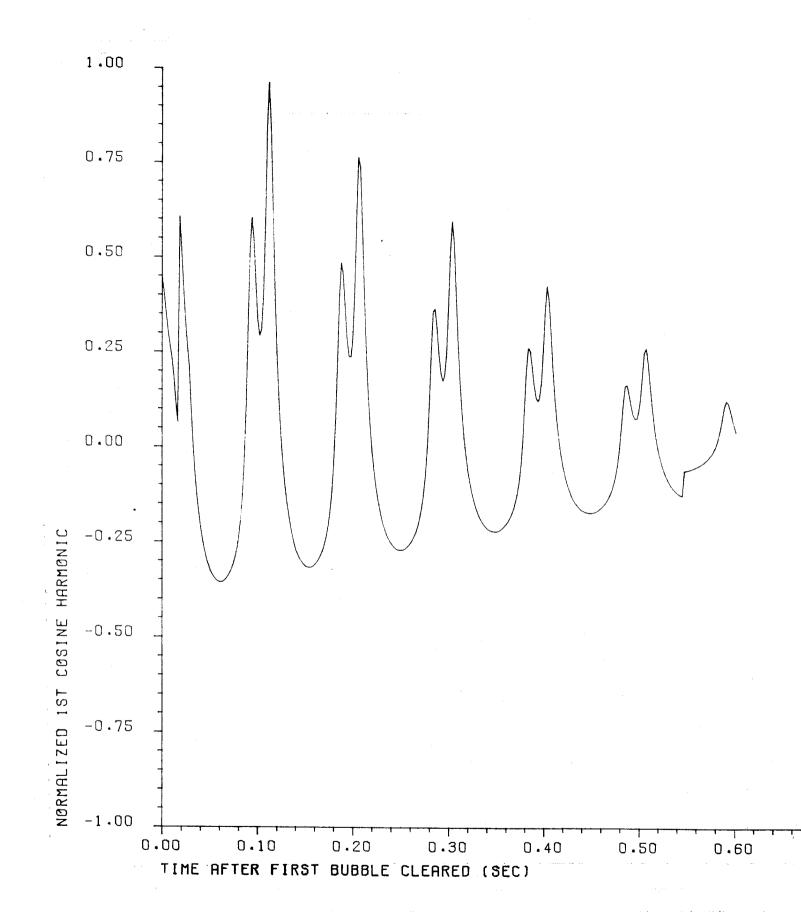
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CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.8-9

SYMMETRIC WALL LOADING ZONE 4 NORMALIZED 4th COSINE HARMONIC



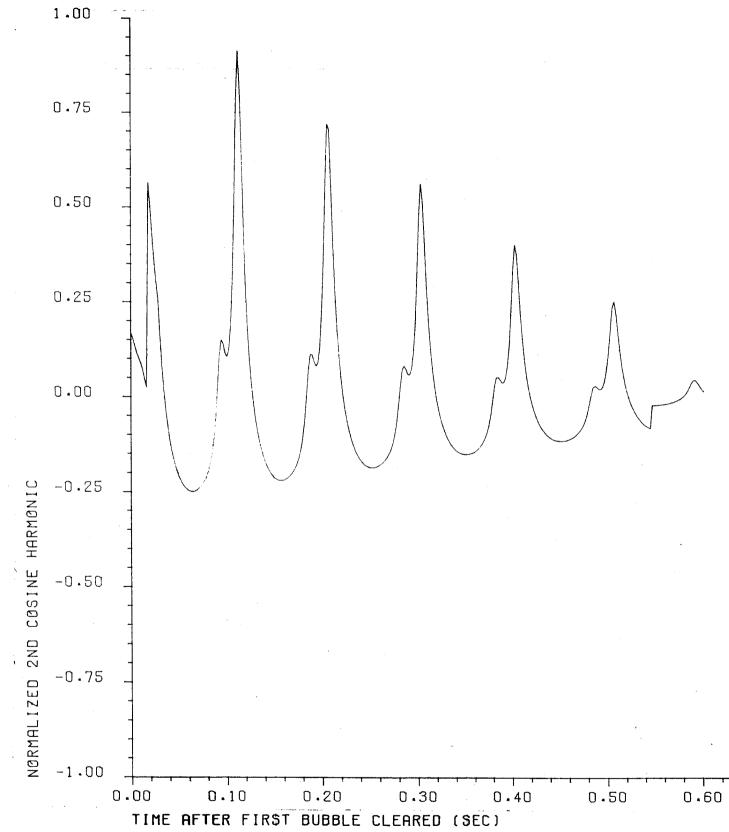


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	FIGURE A3.8-11	
	ASYMMETRIC DISCHARGE WALL LOADING ZONE 4 NORMALIZED 1st COSINE HARMONIC	

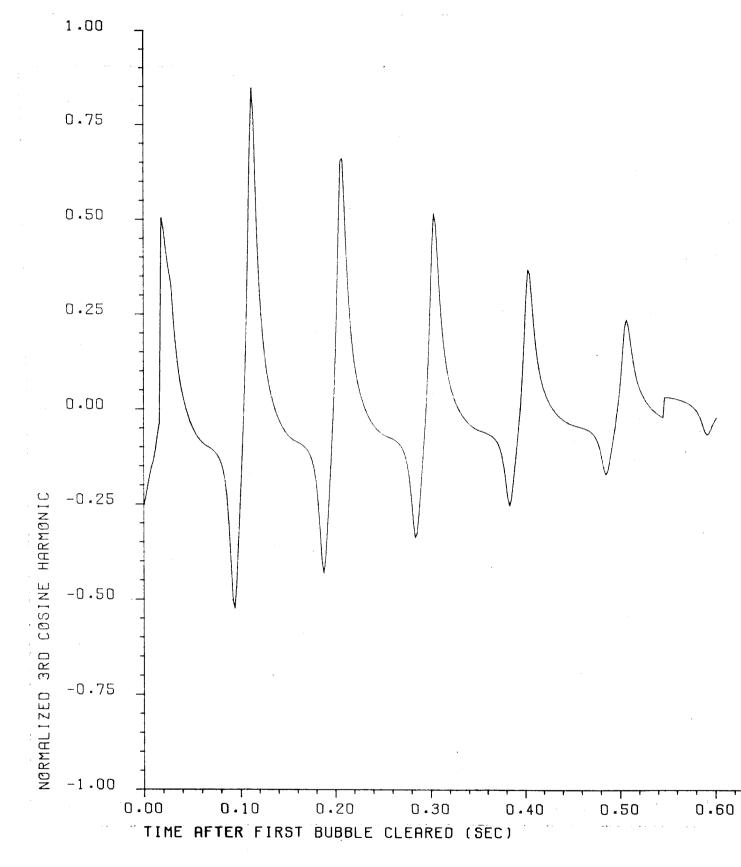


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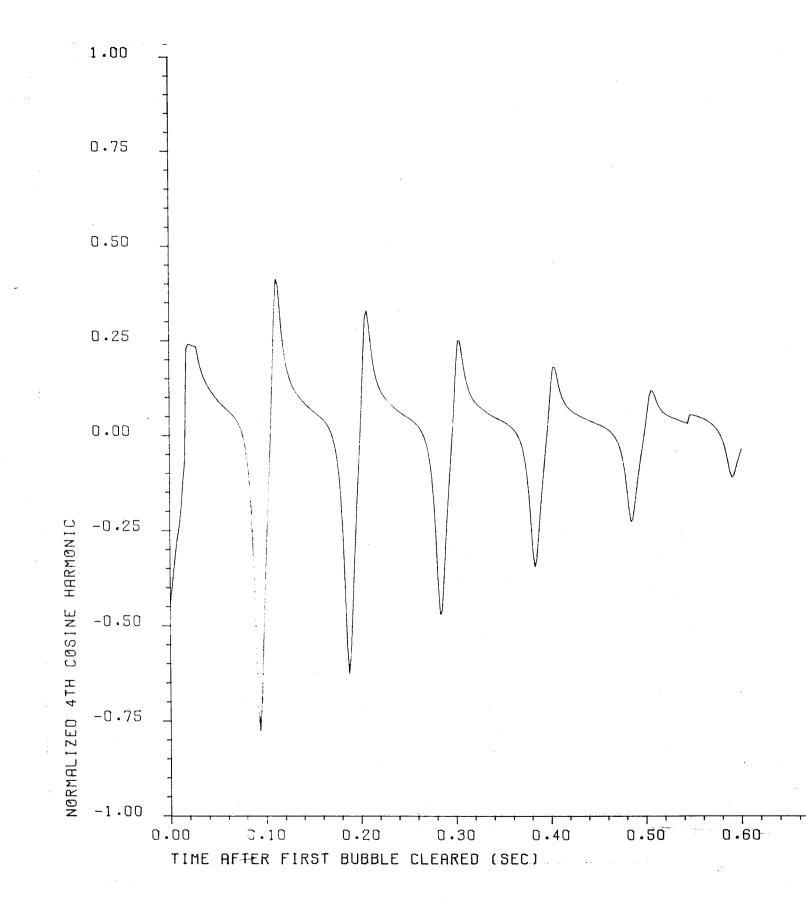
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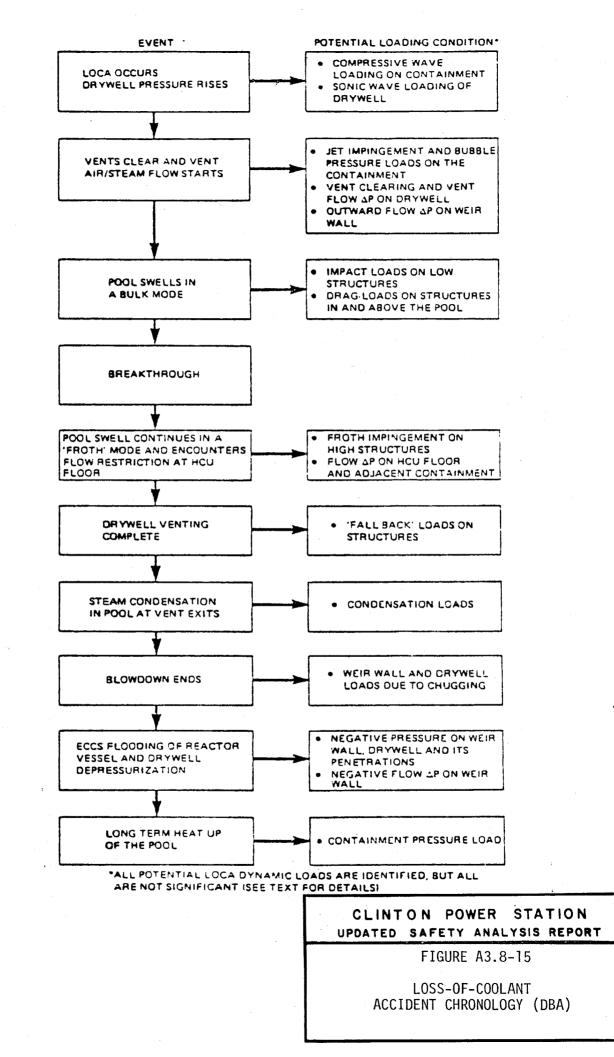


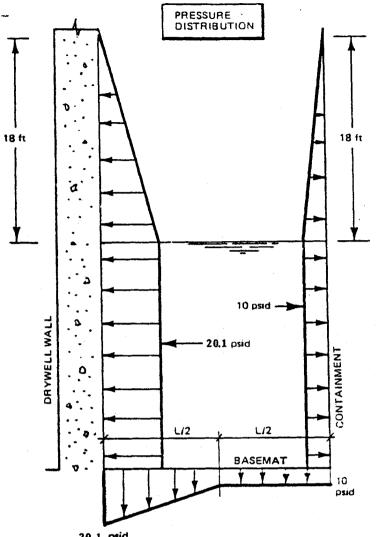
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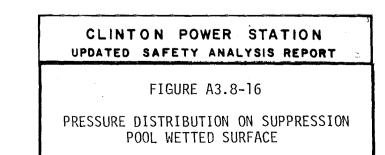


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	FIGURE A3.8-14
l insuita in	ASYMMETRIC DISCHARGE WALL LOADING ZONE 4 NORMALIZED 4th COSINE HARMONIC







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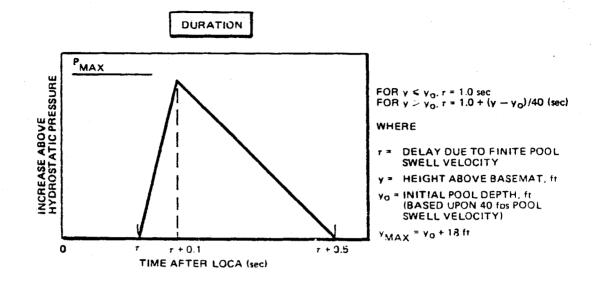
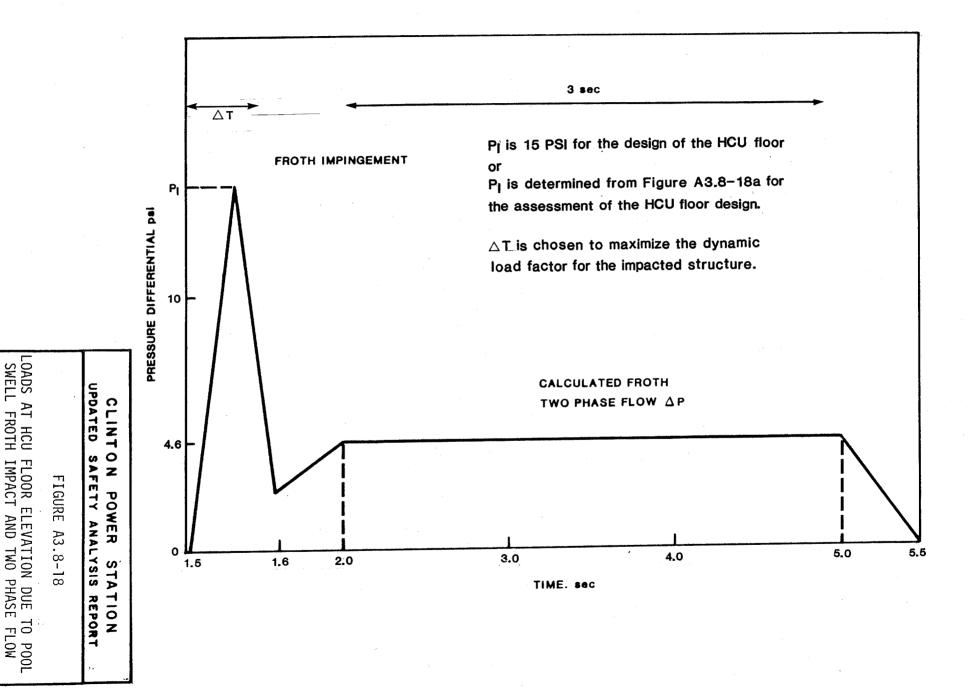
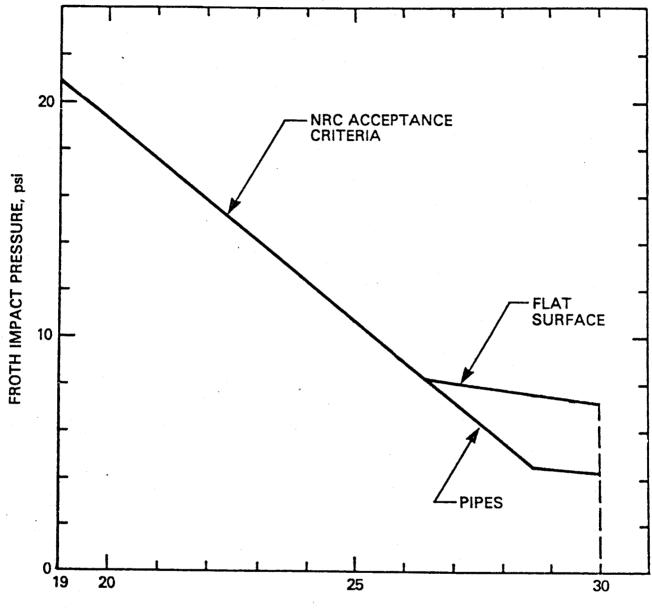


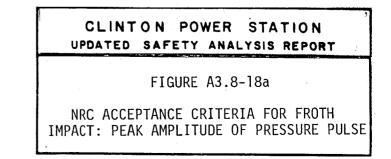
FIGURE A3.8-17

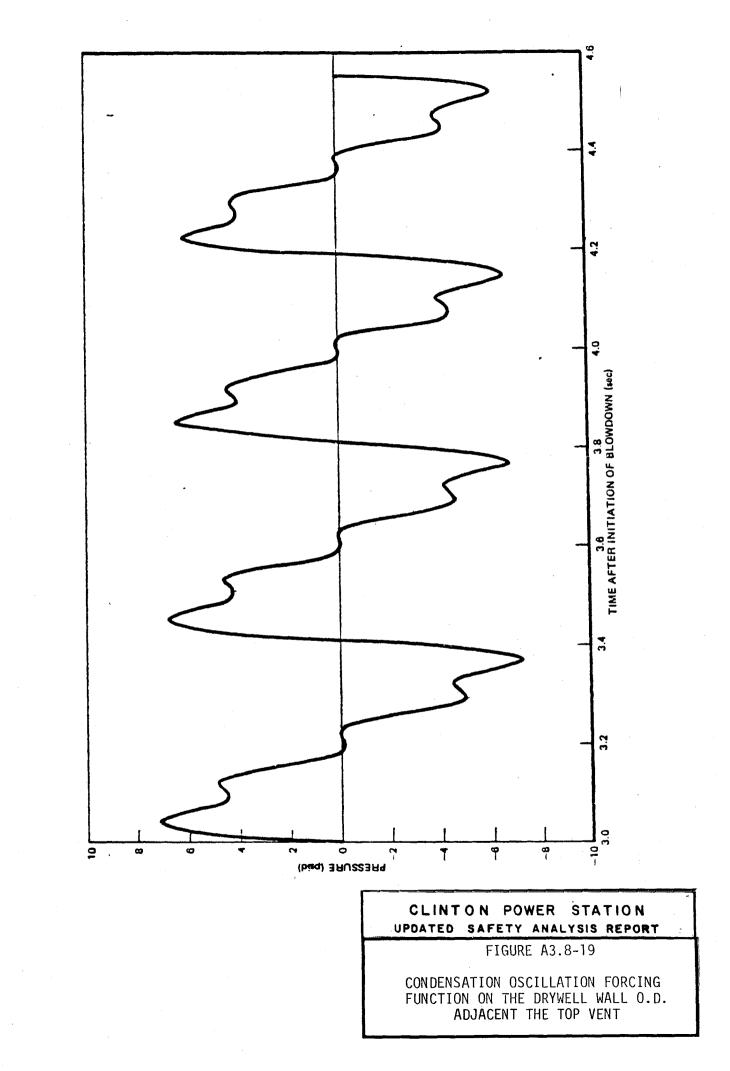
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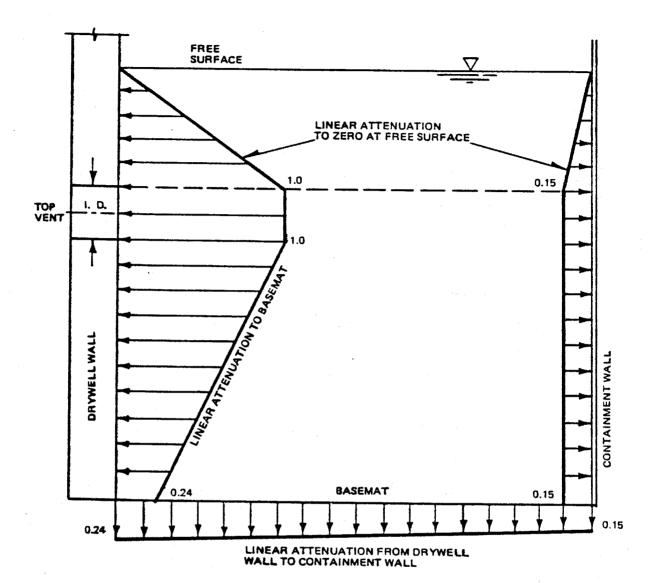


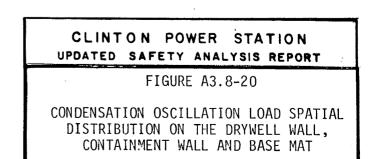


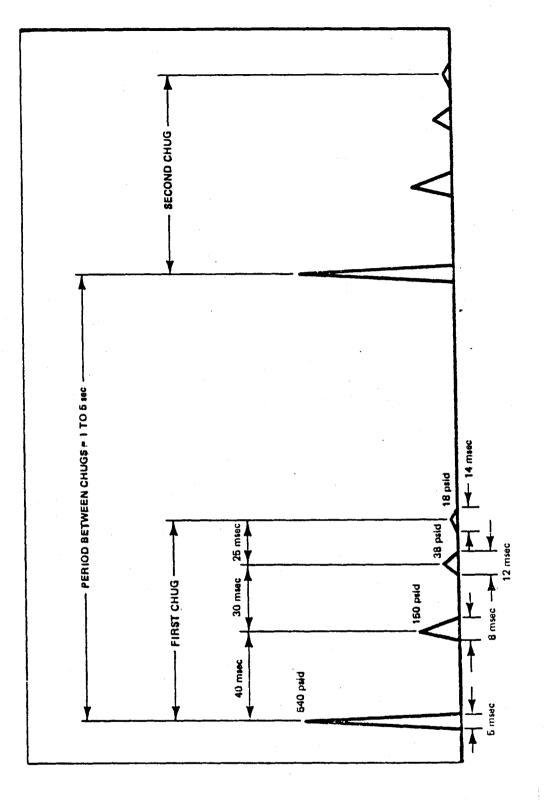
HEIGHT ABOVE POOL, ft



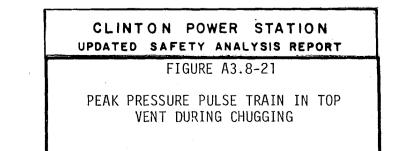


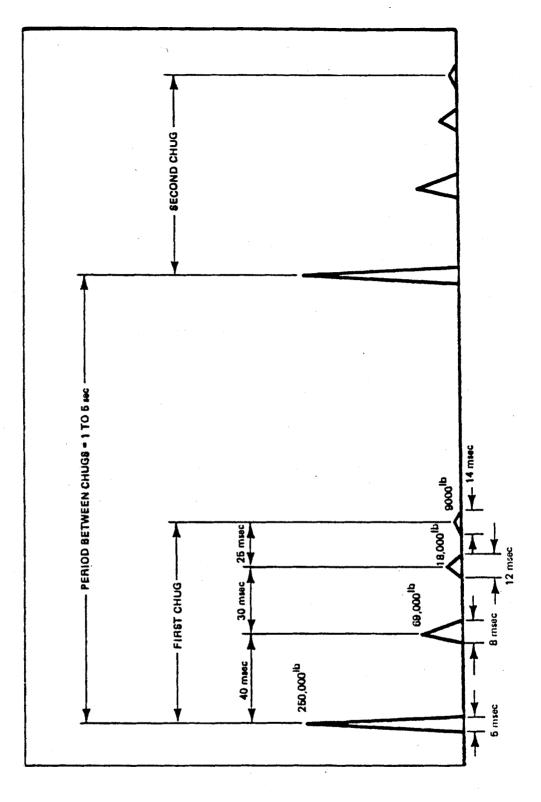






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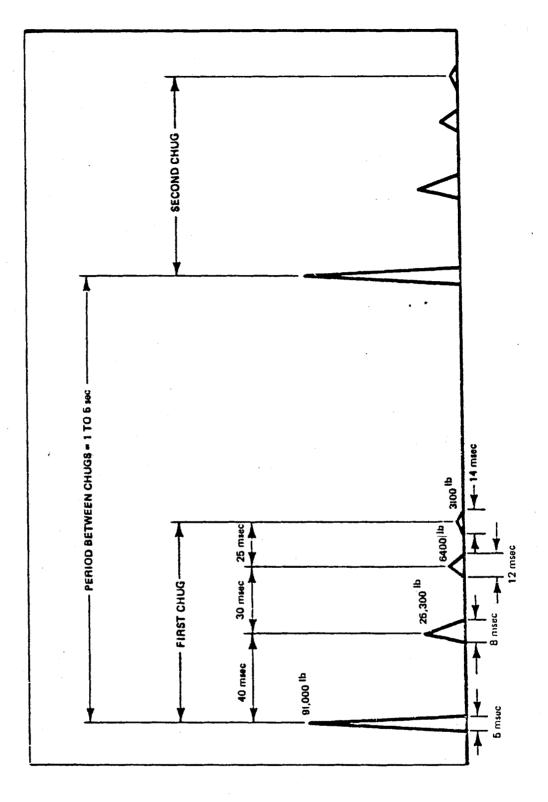


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CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

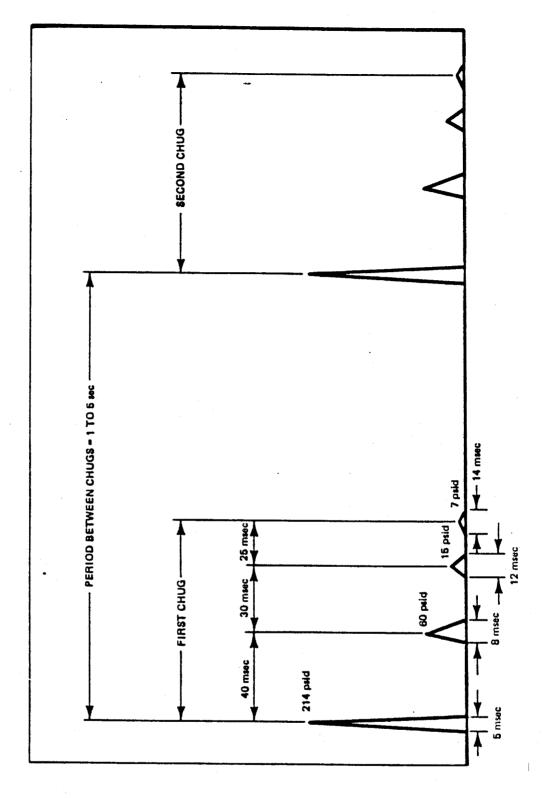
FIGURE A3.8-22

PEAK FORCE PULSE TRAIN IN TOP VENT DURING CHUGGING



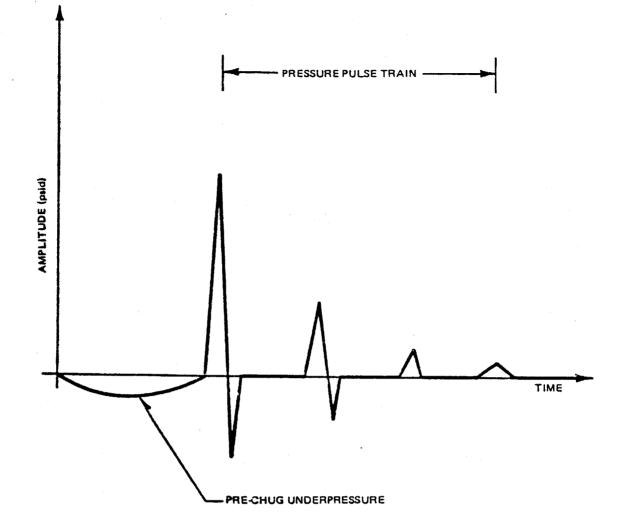
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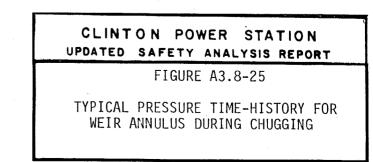
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT FIGURE A3.8-23 AVERAGE FORCE PULSE TRAIN IN TOP VENT DURING CHUGGING

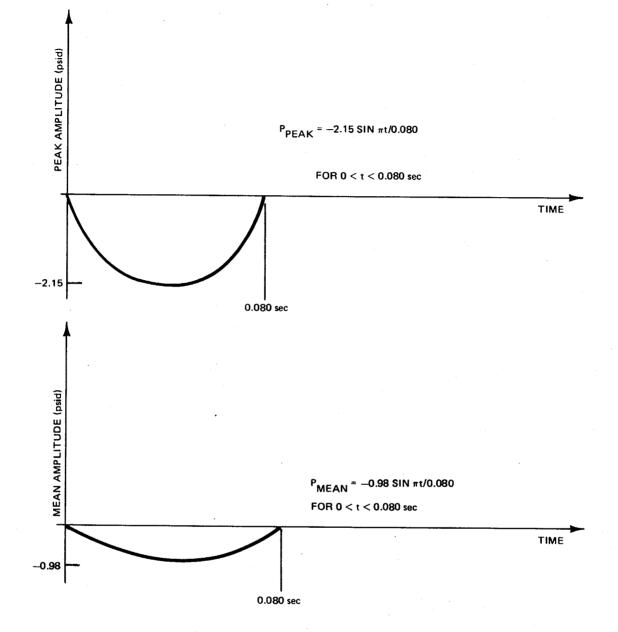


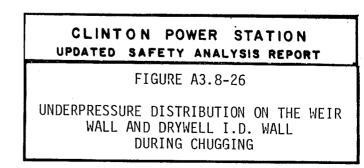
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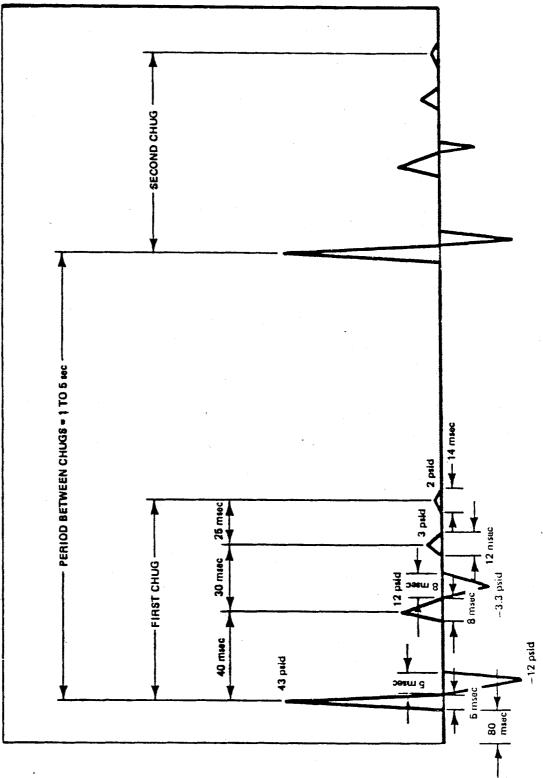
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT FIGURE A3.8-24 AVERAGE PRESSURE PULSE TRAIN IN TOP VENT DURING CHUGGING



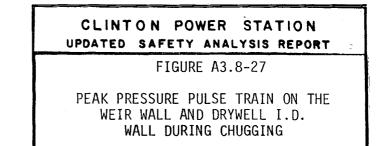






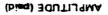


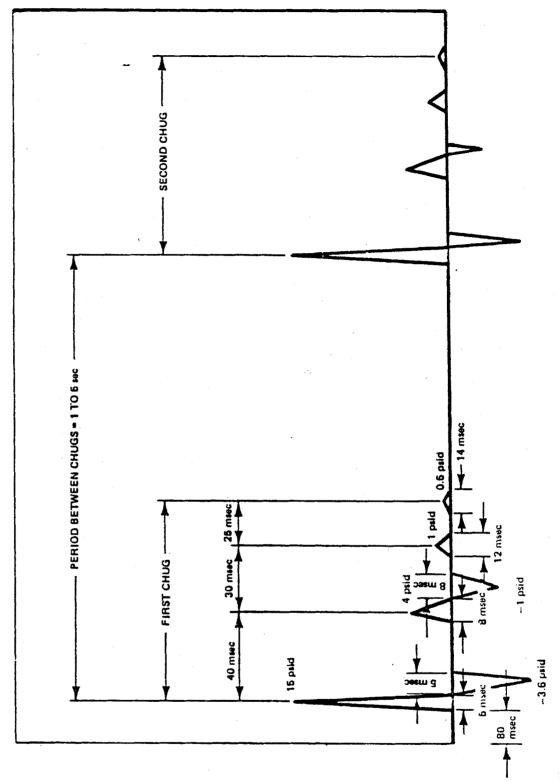
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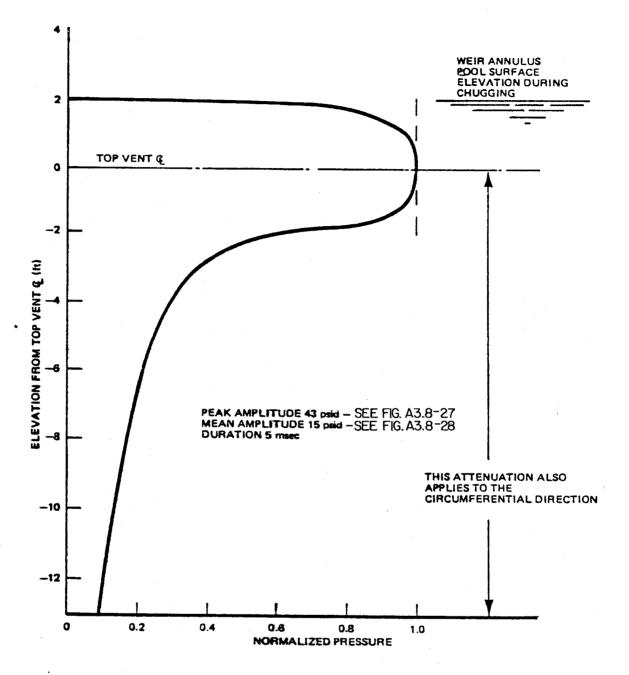


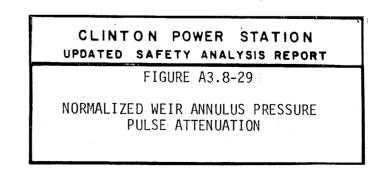
EAN PRESSURE PULSE TRAIN ON THE WEIN WALL AND DRYWELL I.D. WALL DURING CHUGGING

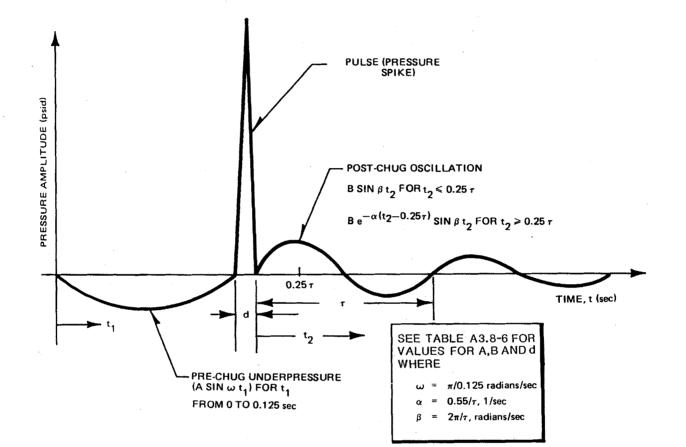
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT FIGURE A3.8-28 MEAN PRESSURE PULSE TRAIN ON THE WEIR



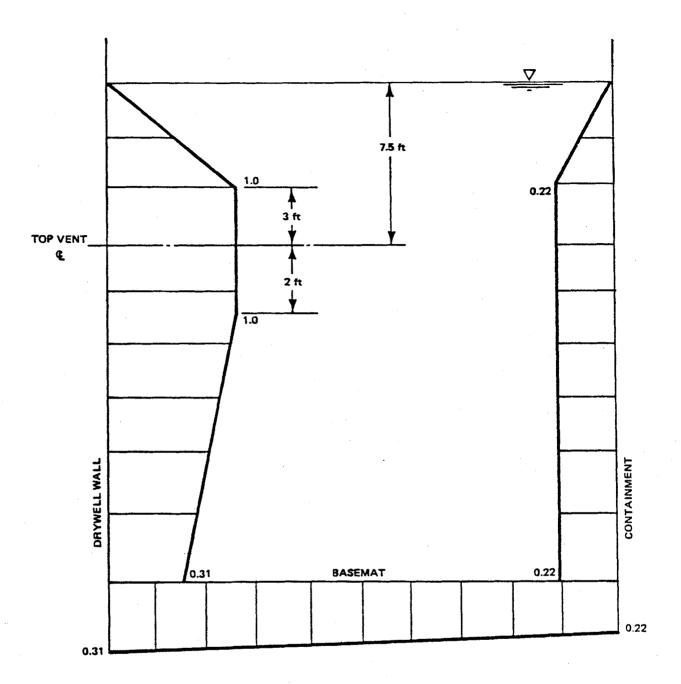


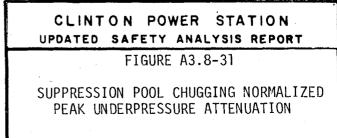


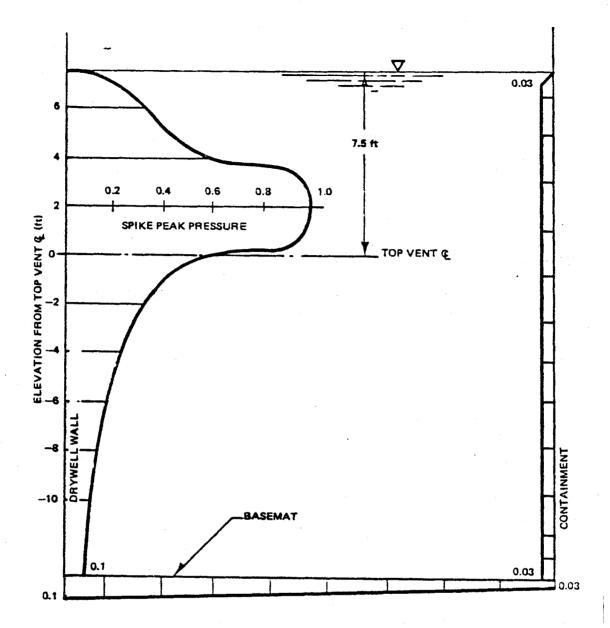


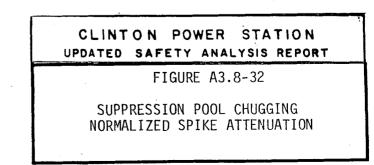


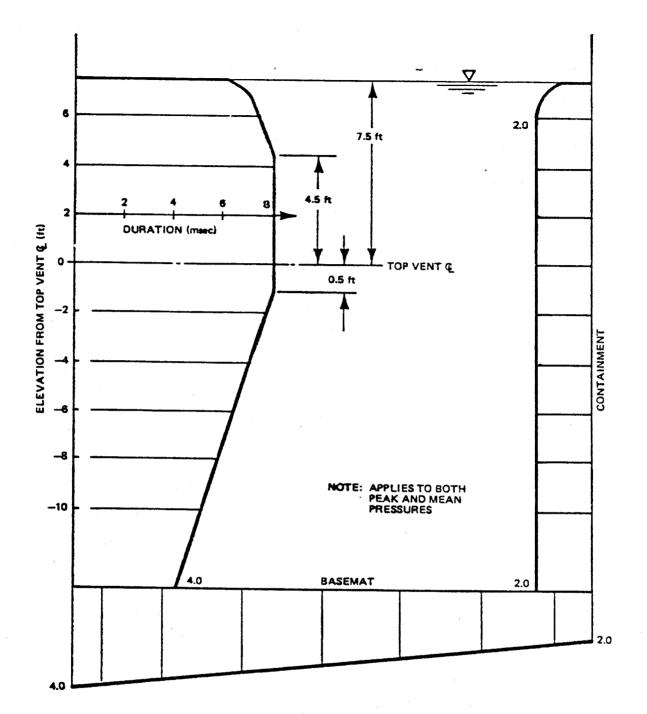
		STATION
FIGURE	A3.8-	30
		HISTORY ON NG CHUGGING

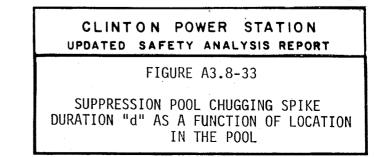


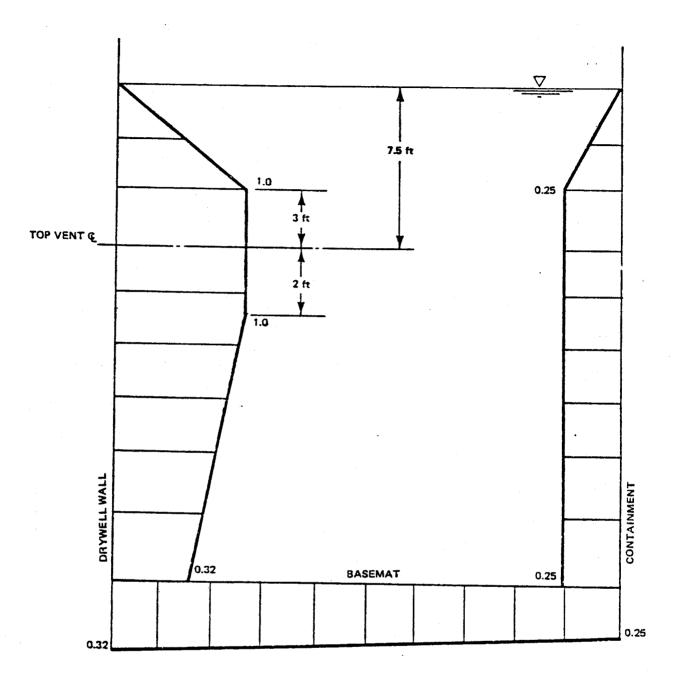












CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT FIGURE A3.8-34 SUPPRESSION POOL CHUGGING NORMALIZED PEAK POST CHUG OSCILLATIONS

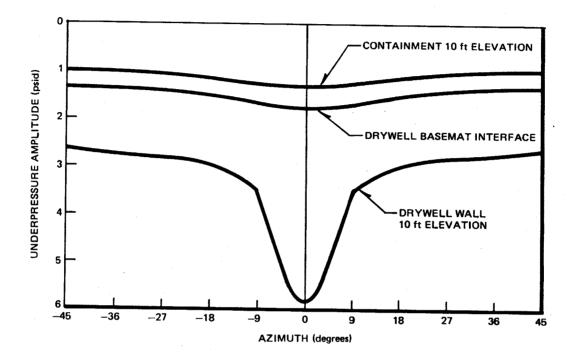
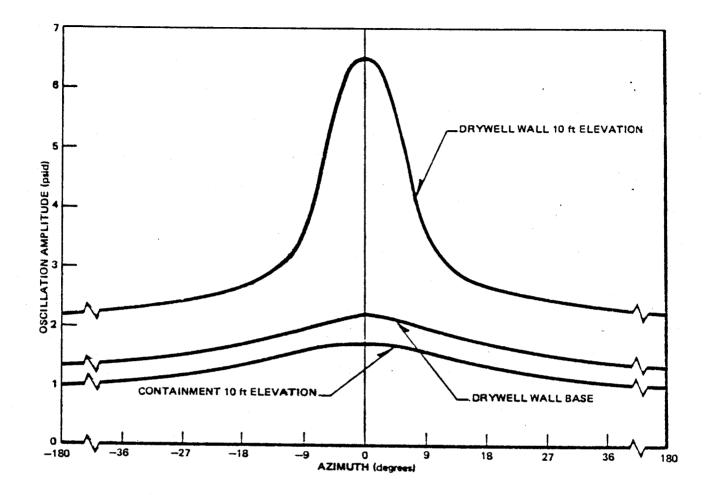
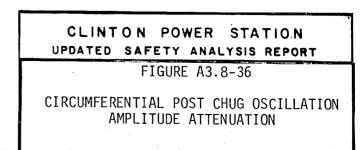
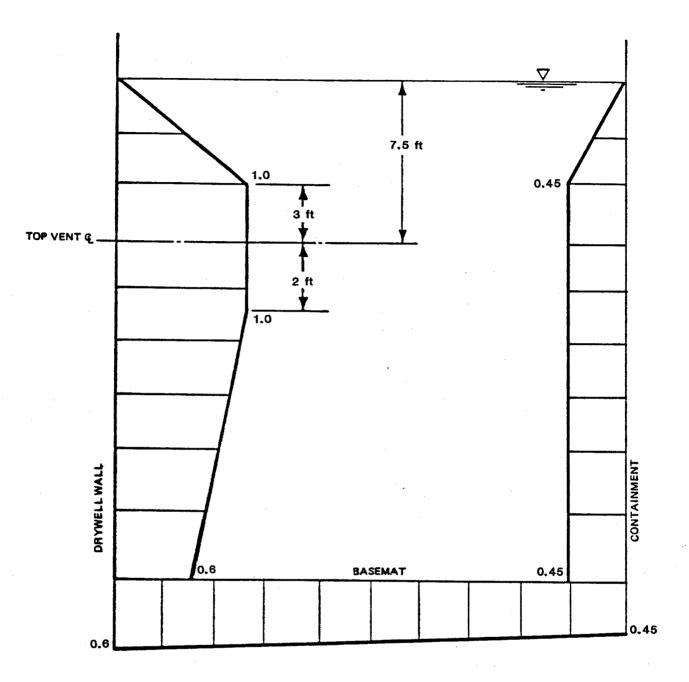


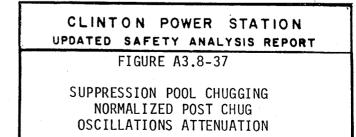
FIGURE A3.8-35

CIRCUMFERENTIAL UNDERPRESSURE AMPLITUDE ATTENUATION









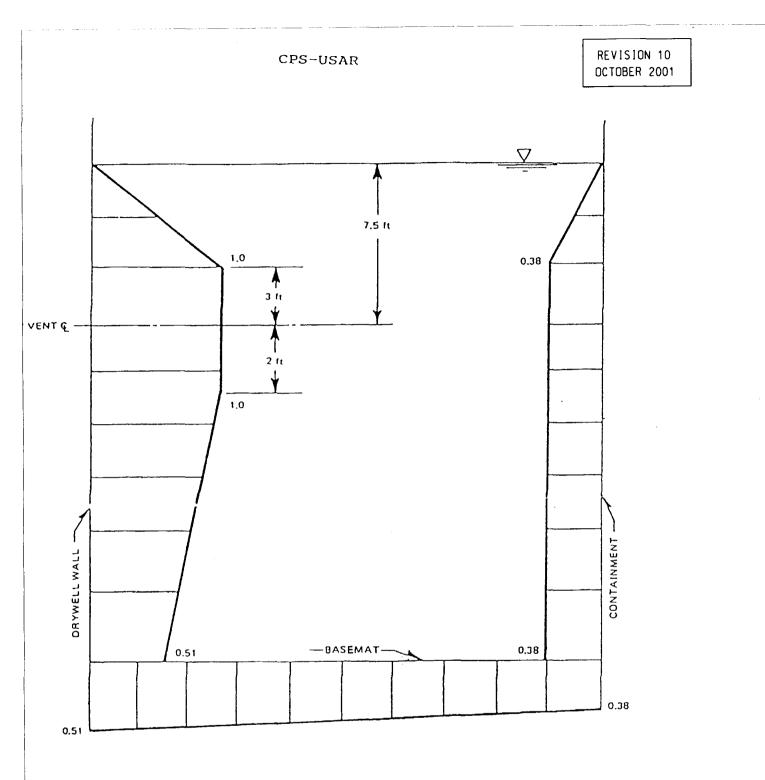


FIGURE A3.8-37A SUPPRESSION POOL CHUGGING NORMALIZED POST MEAN UNDERPRESSURE ATTENUATION

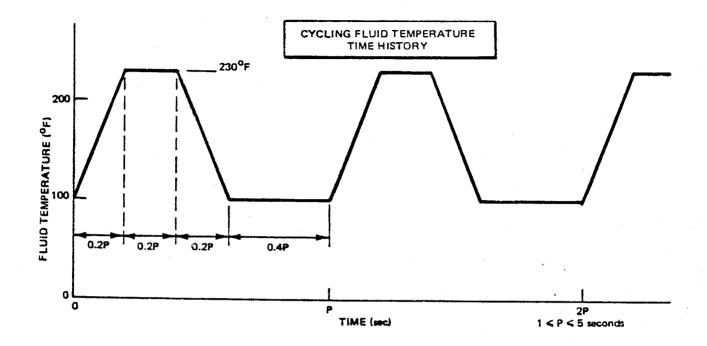
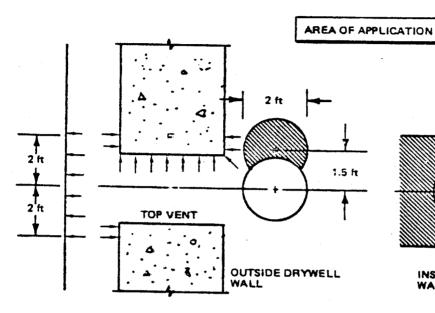
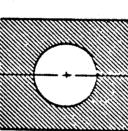


FIGURE A3.8-38

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







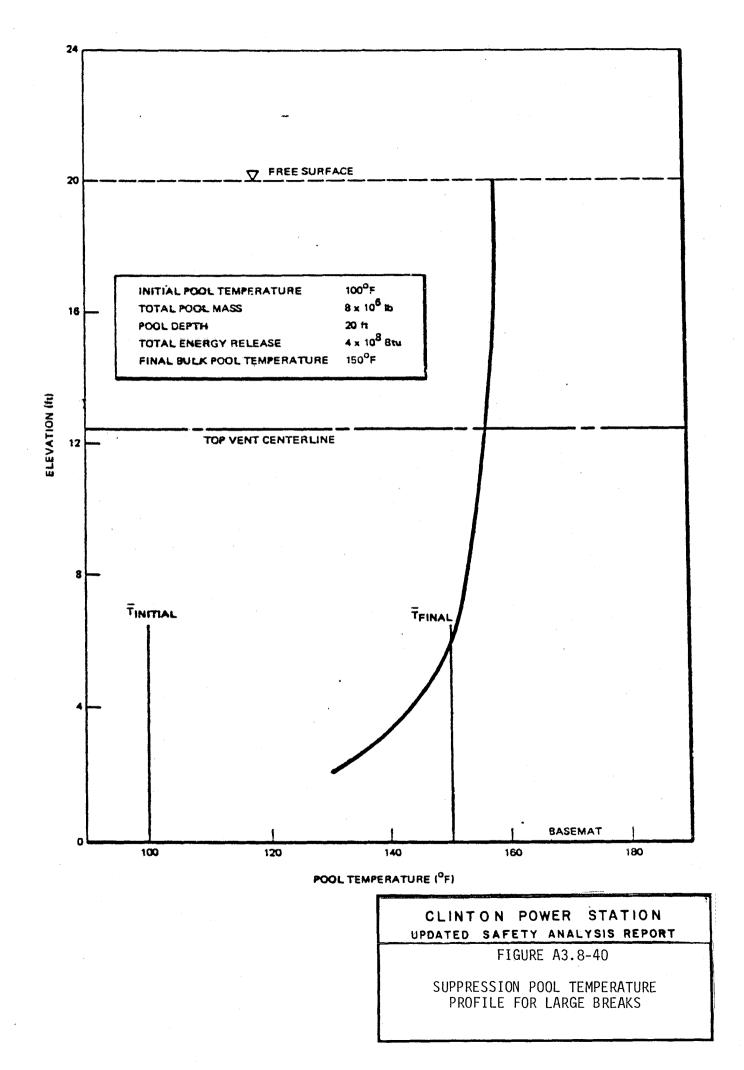
INSIDE DRYWELL

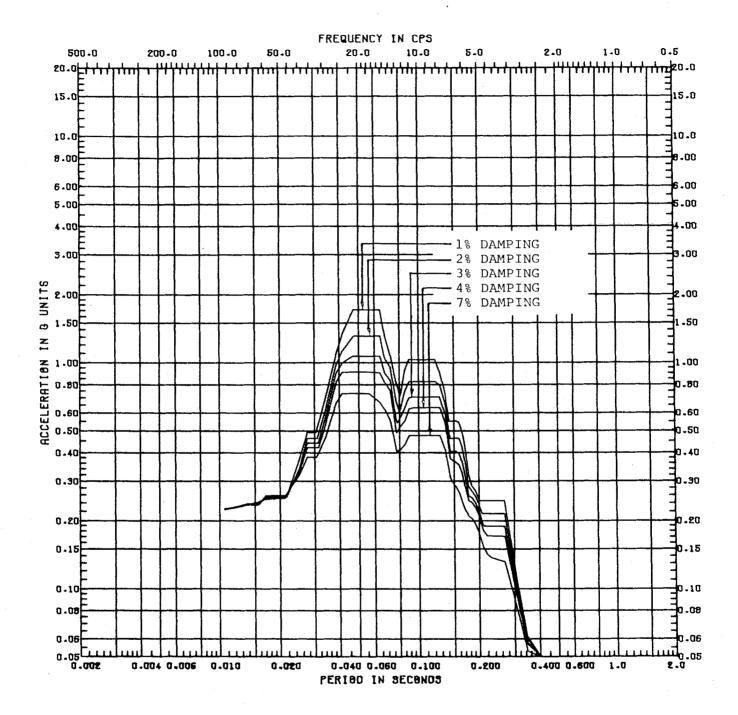
WEIR WALL

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

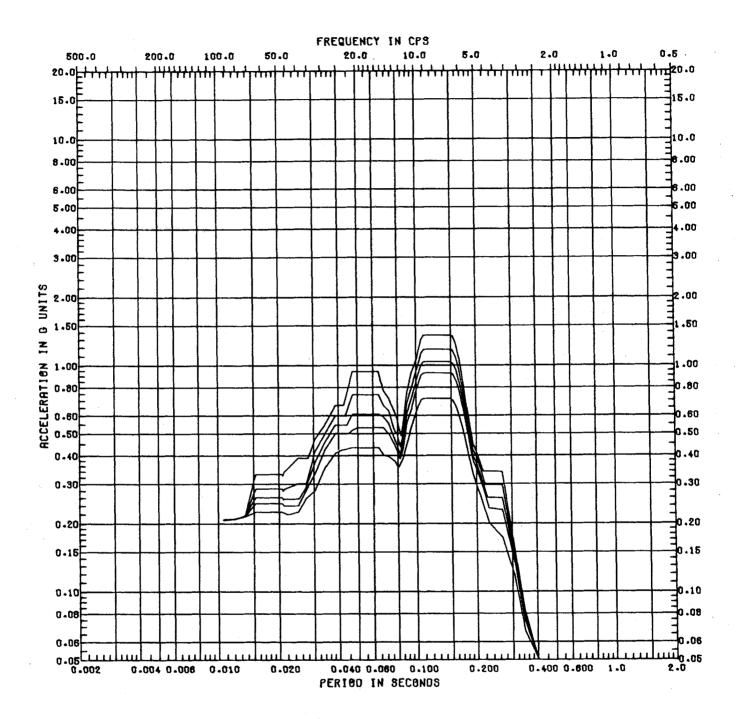
FIGURE A3.8-39

DRYWELL TOP VENT CYCLIC TEMPERATURE PROFILE DURING CHUGGING

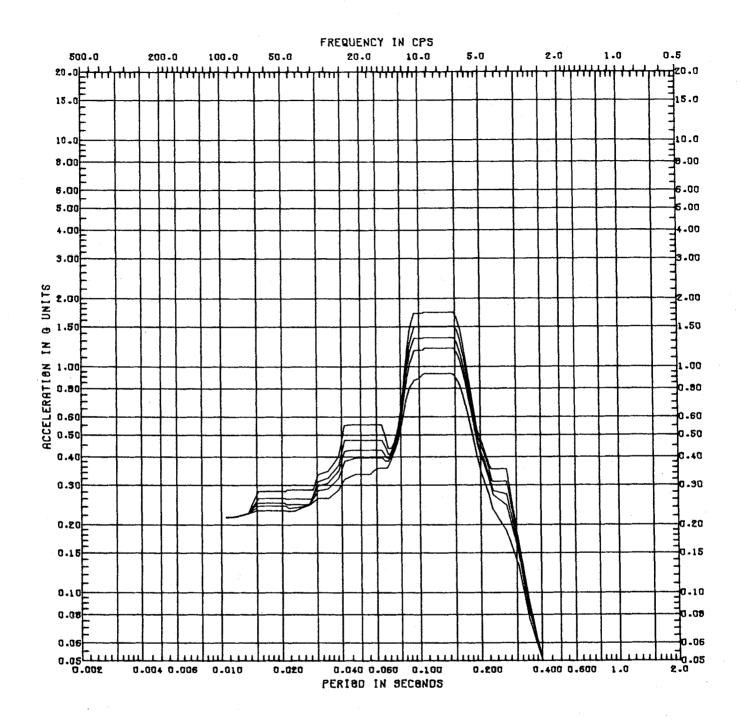


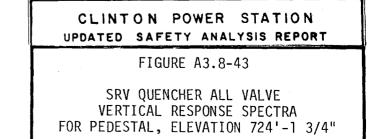


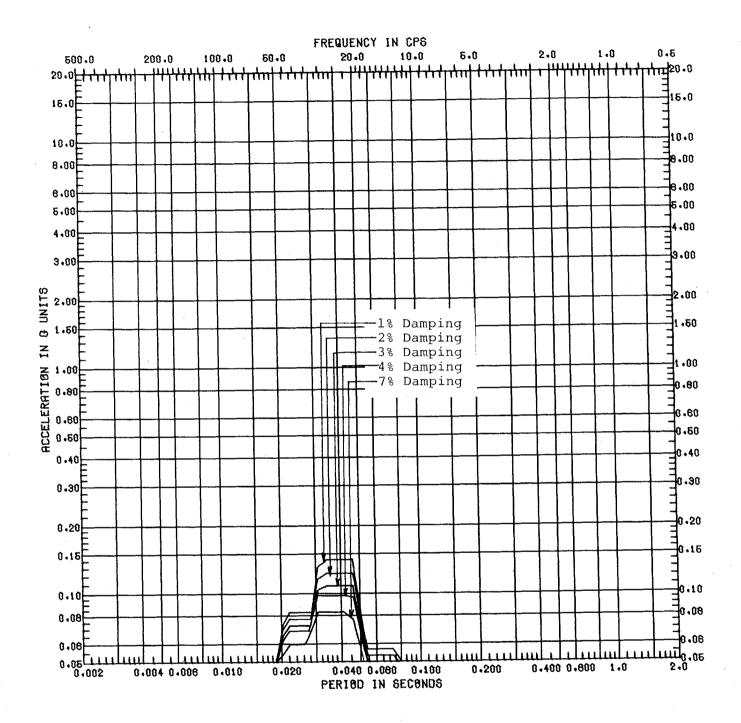
		STATION ALYSIS REPORT
	FIGURE A3.8	-41
	QUENCHER ALI CAL RESPONSI	
FOR	CONTAINMEN LEVATION 712	T WALL,

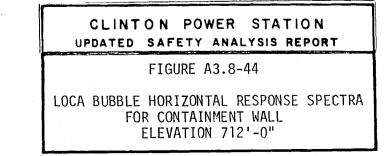


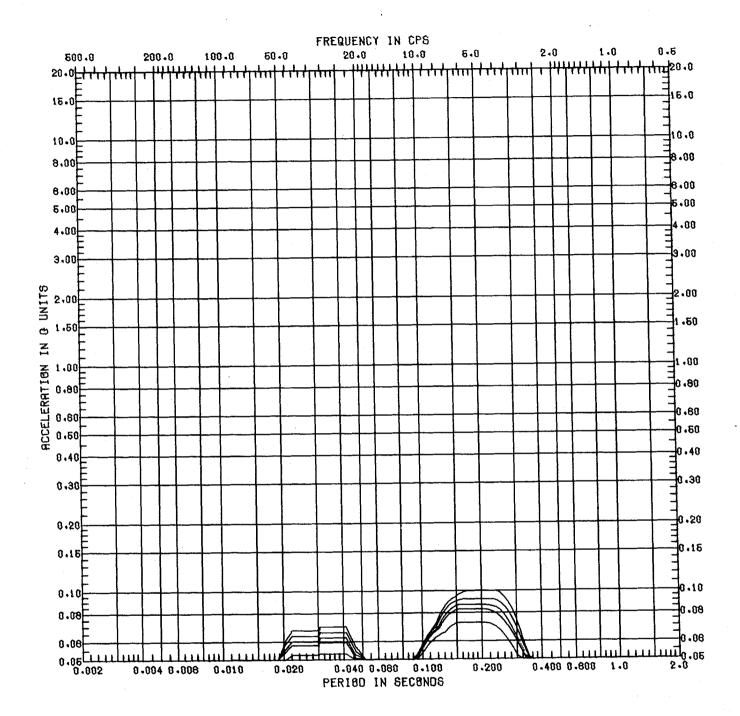
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE A3.8-42
SRV QUENCHER ALL VALVE VERTICAL RESPONSE SPECTRA FOR DRYWELL WALL, ELEVATION 712'-0"



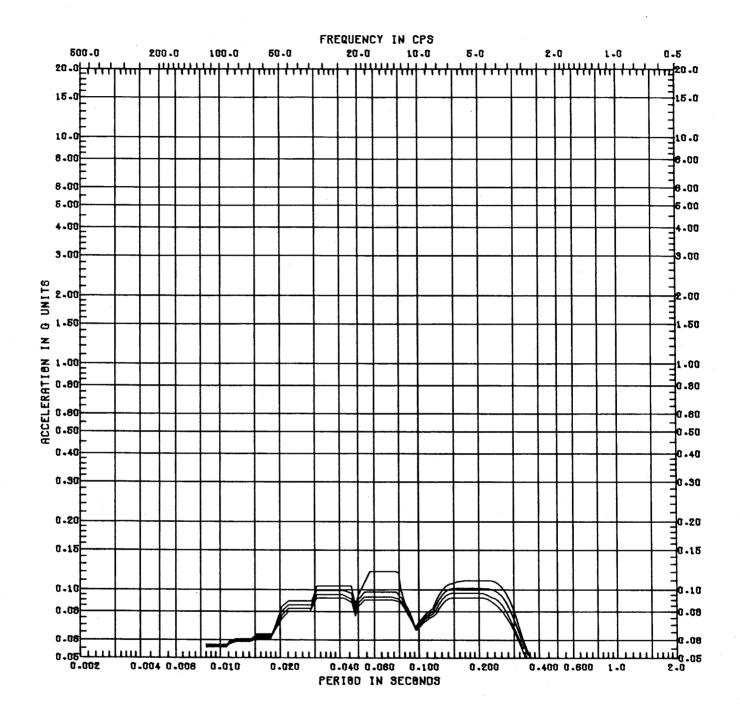








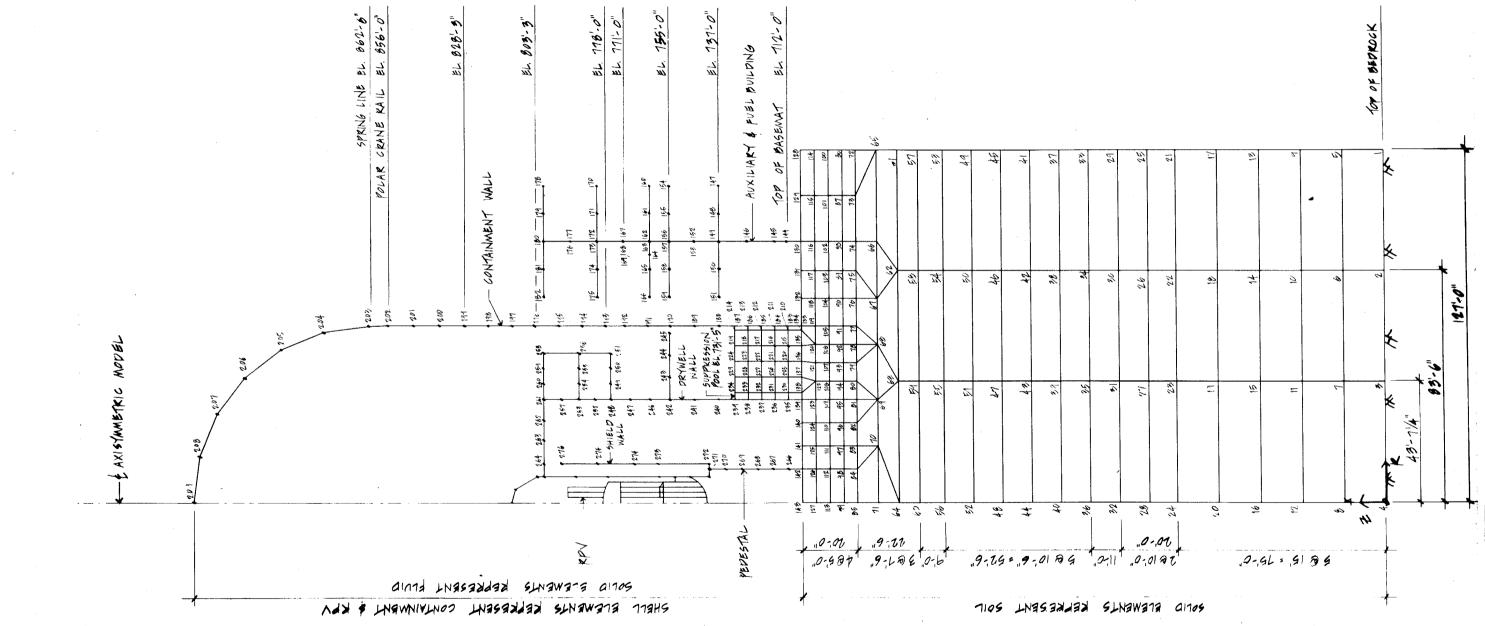
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT FIGURE A3.8-45 LOCA BUBBLE VERTICAL RESPONSE SPECTRA FOR DRYWELL WALL ELEVATION 712'-0"

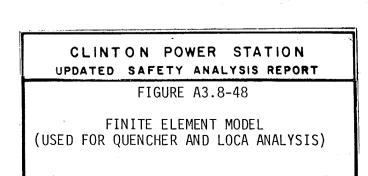


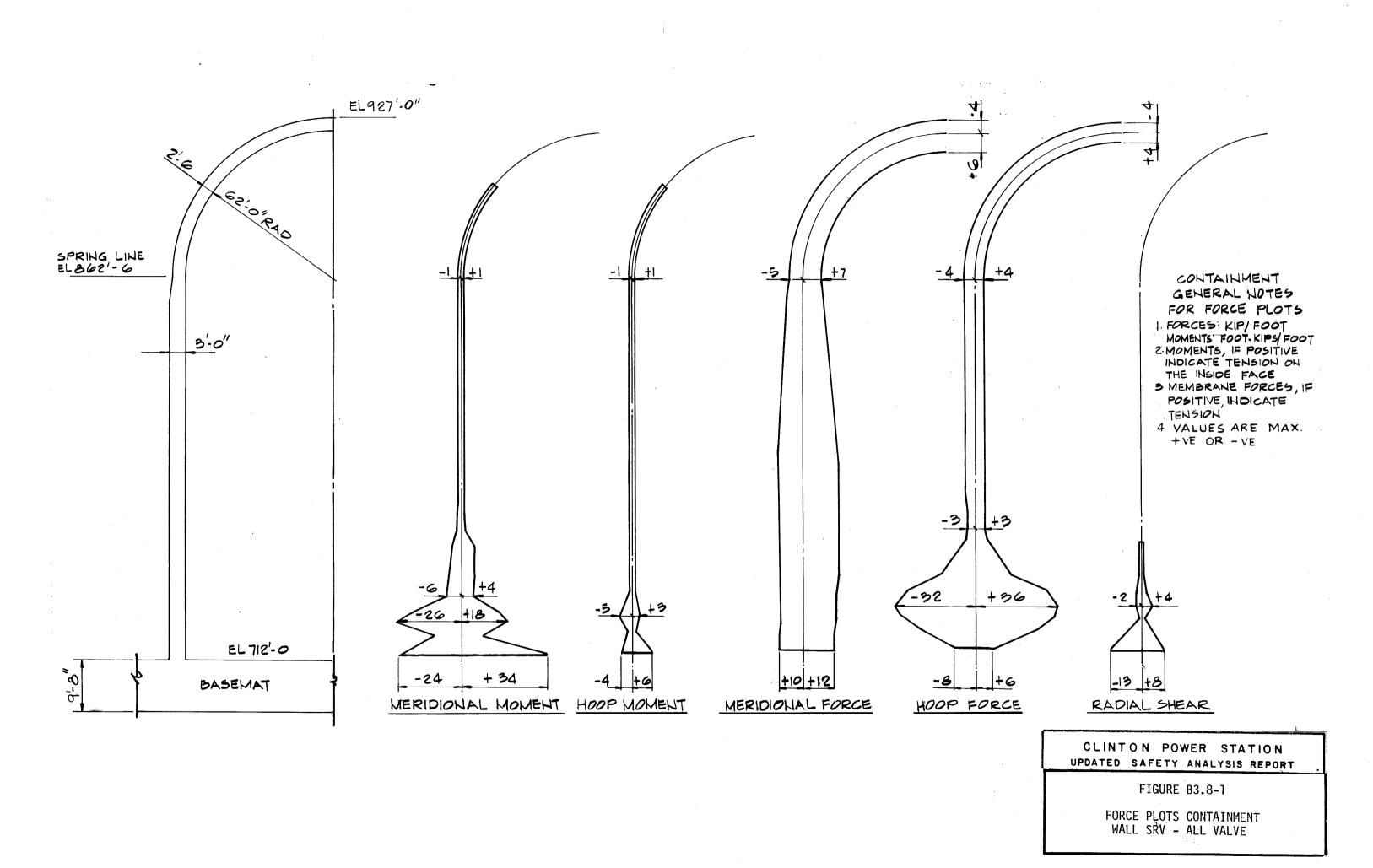
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT FIGURE A3.8-46

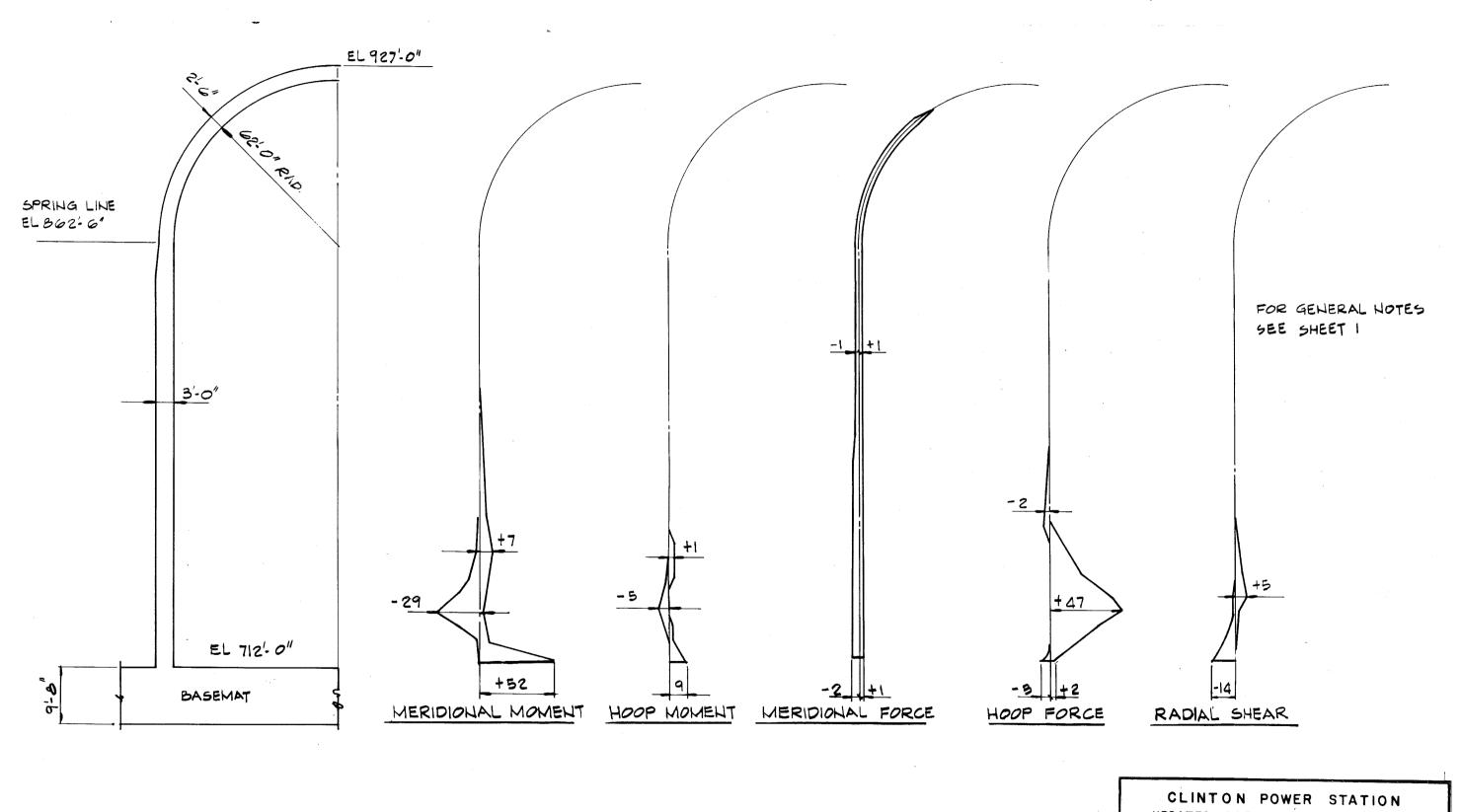
LOCA BUBBLE VERTICAL RESPONSE SPECTRA FOR RPV, ELEVATION 753'-3 3/8" **CPS/USAR**

FIGURE A3.8-47 HAS BEEN DELETED





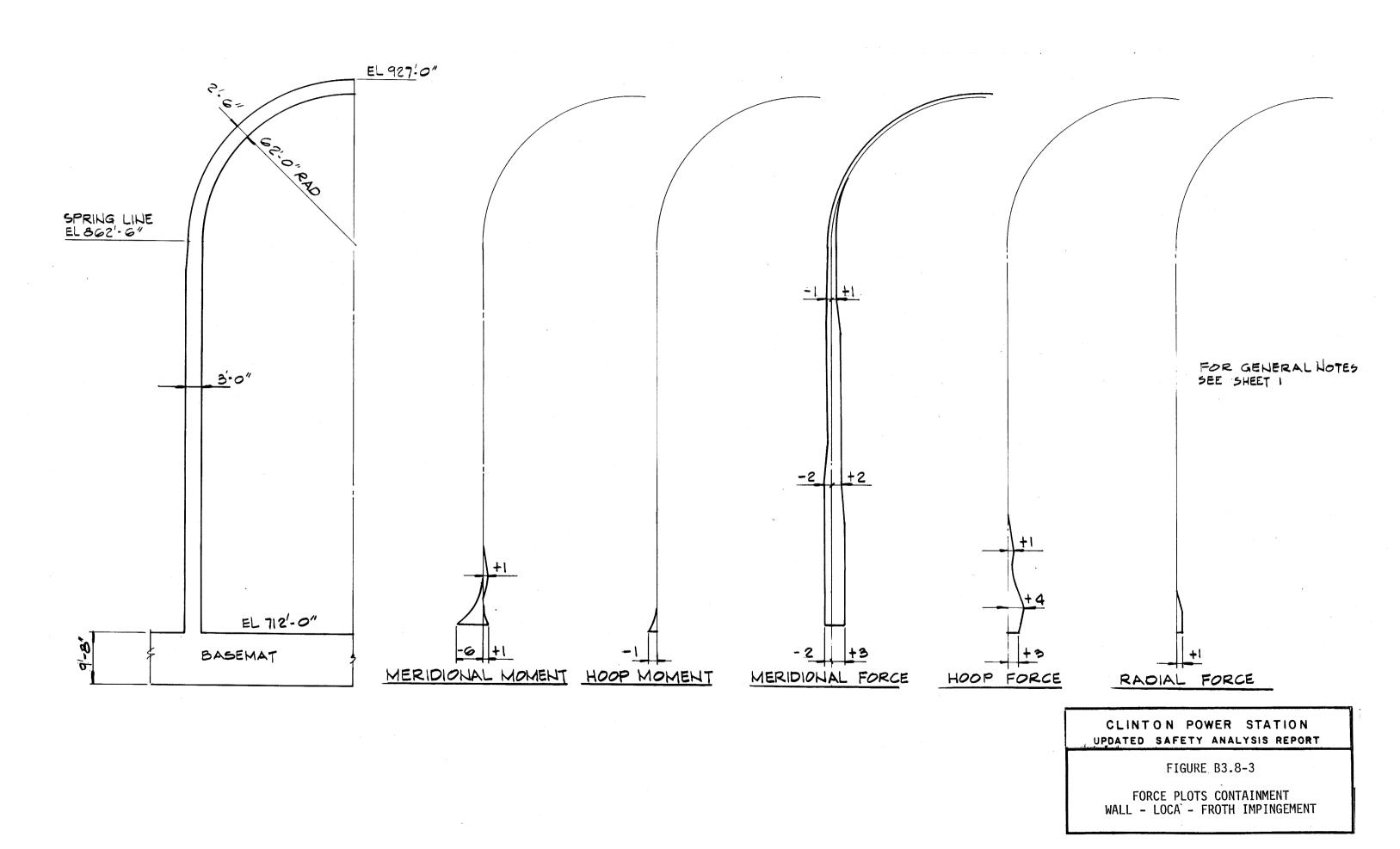


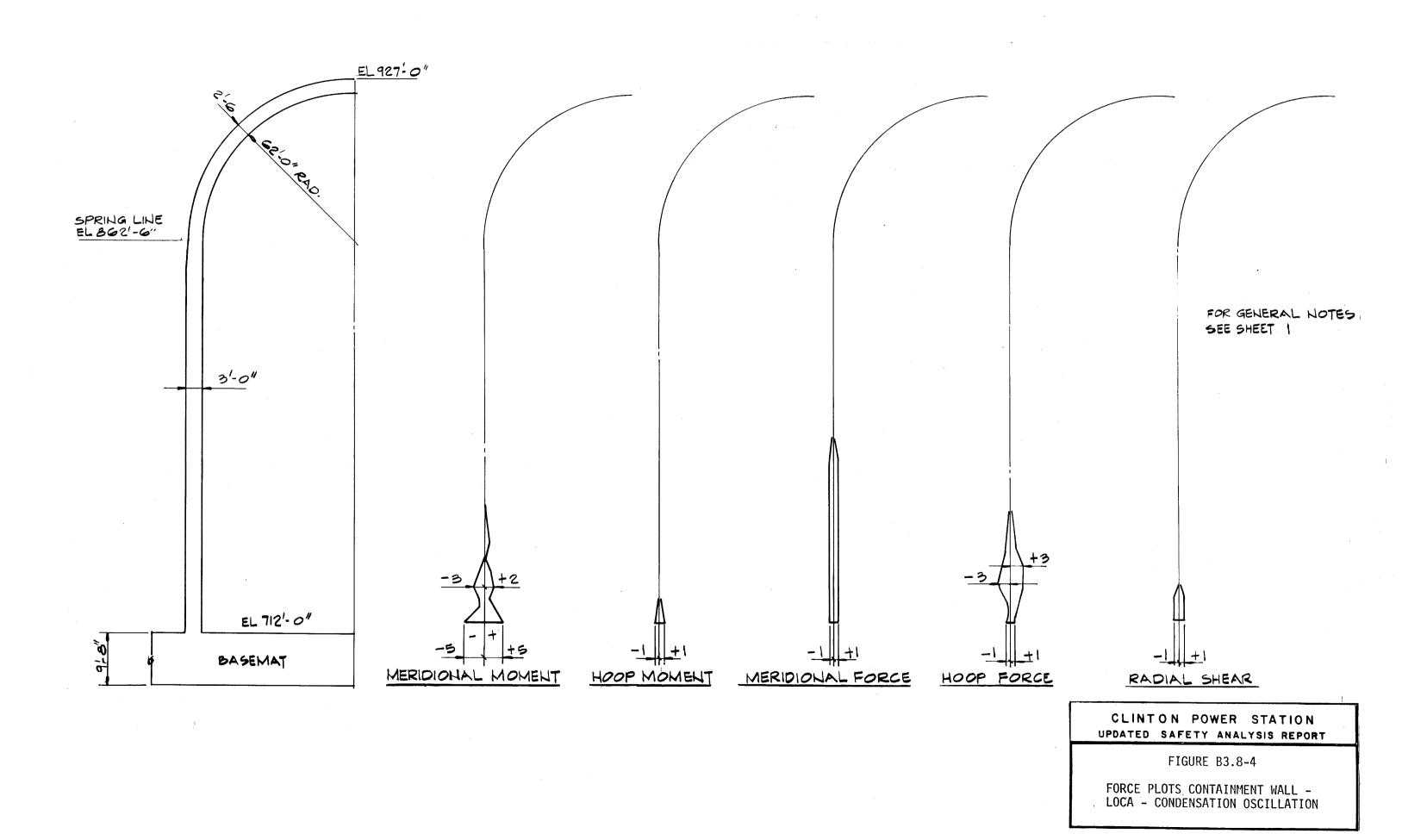


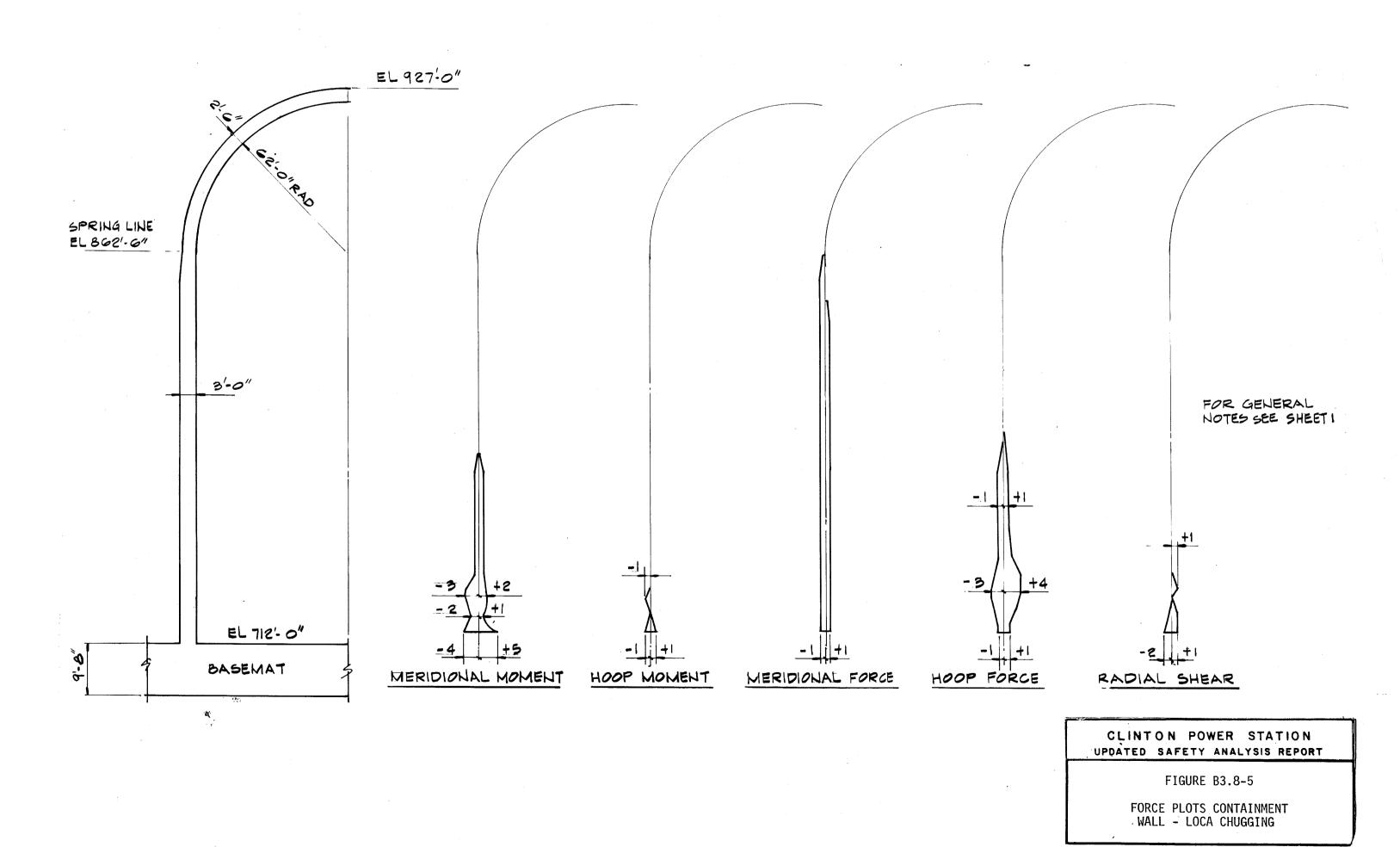
UPDATED SAFETY ANALYSIS REPORT

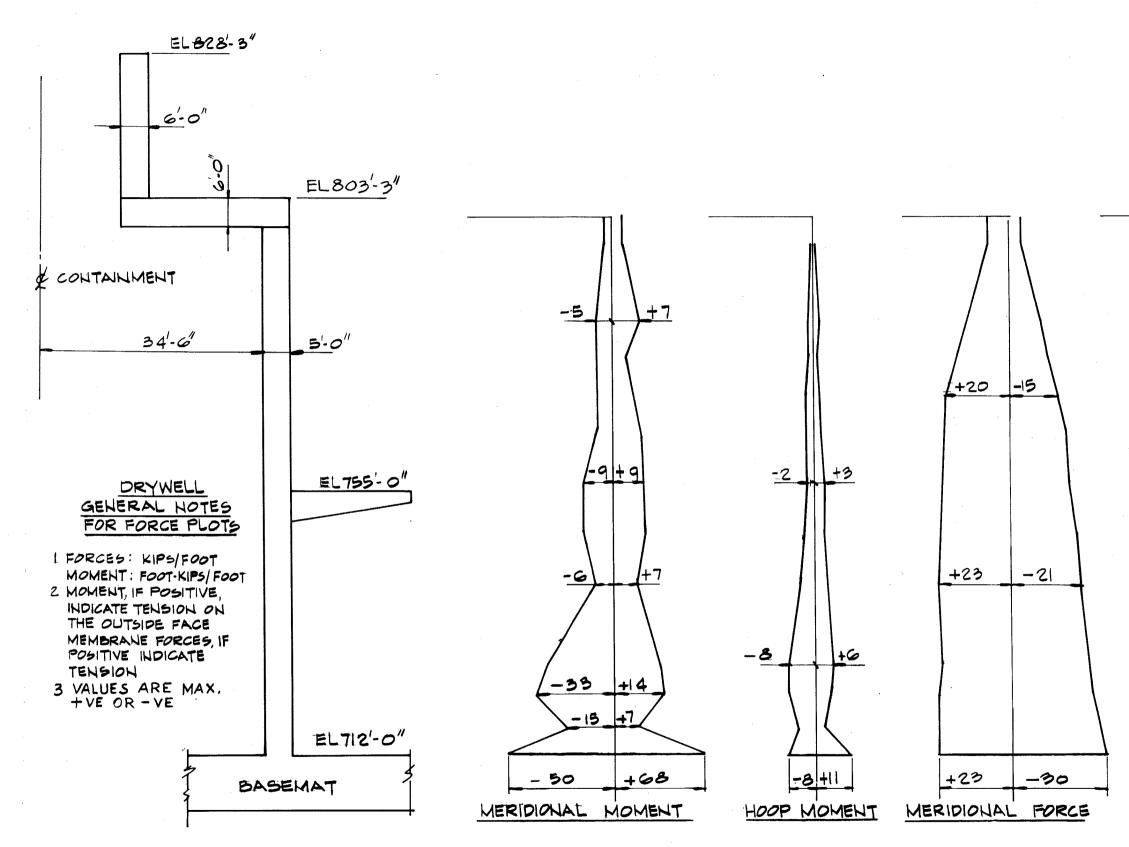
FIGURE B3.8-2

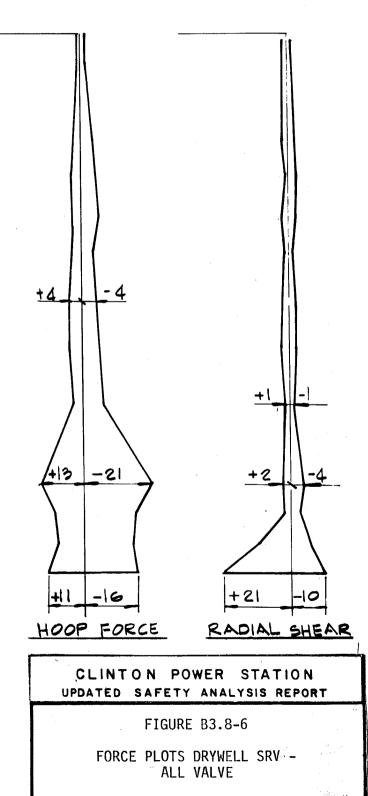
FORCE PLQTS CONTAINMENT WALL - LOCA BUBBLE

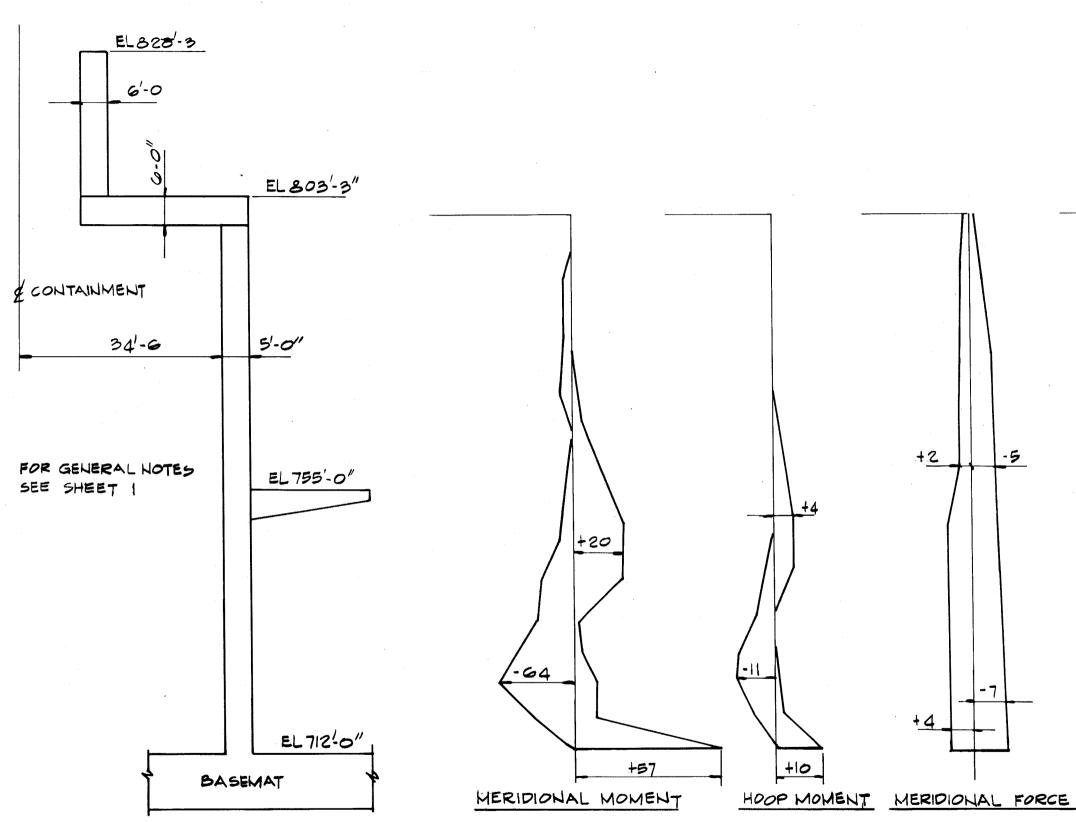


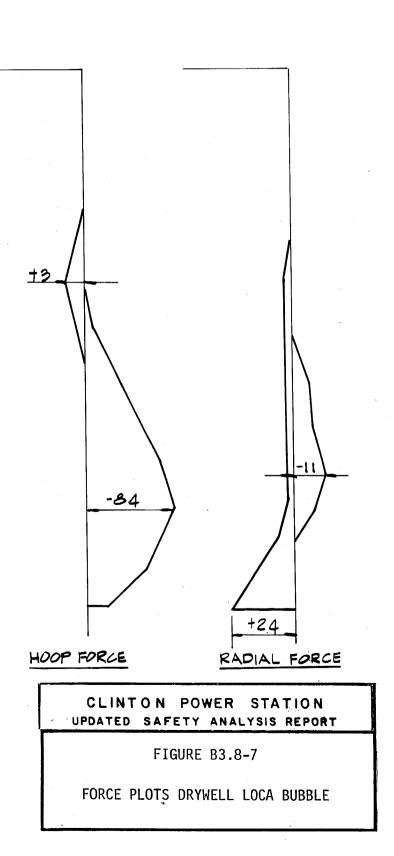


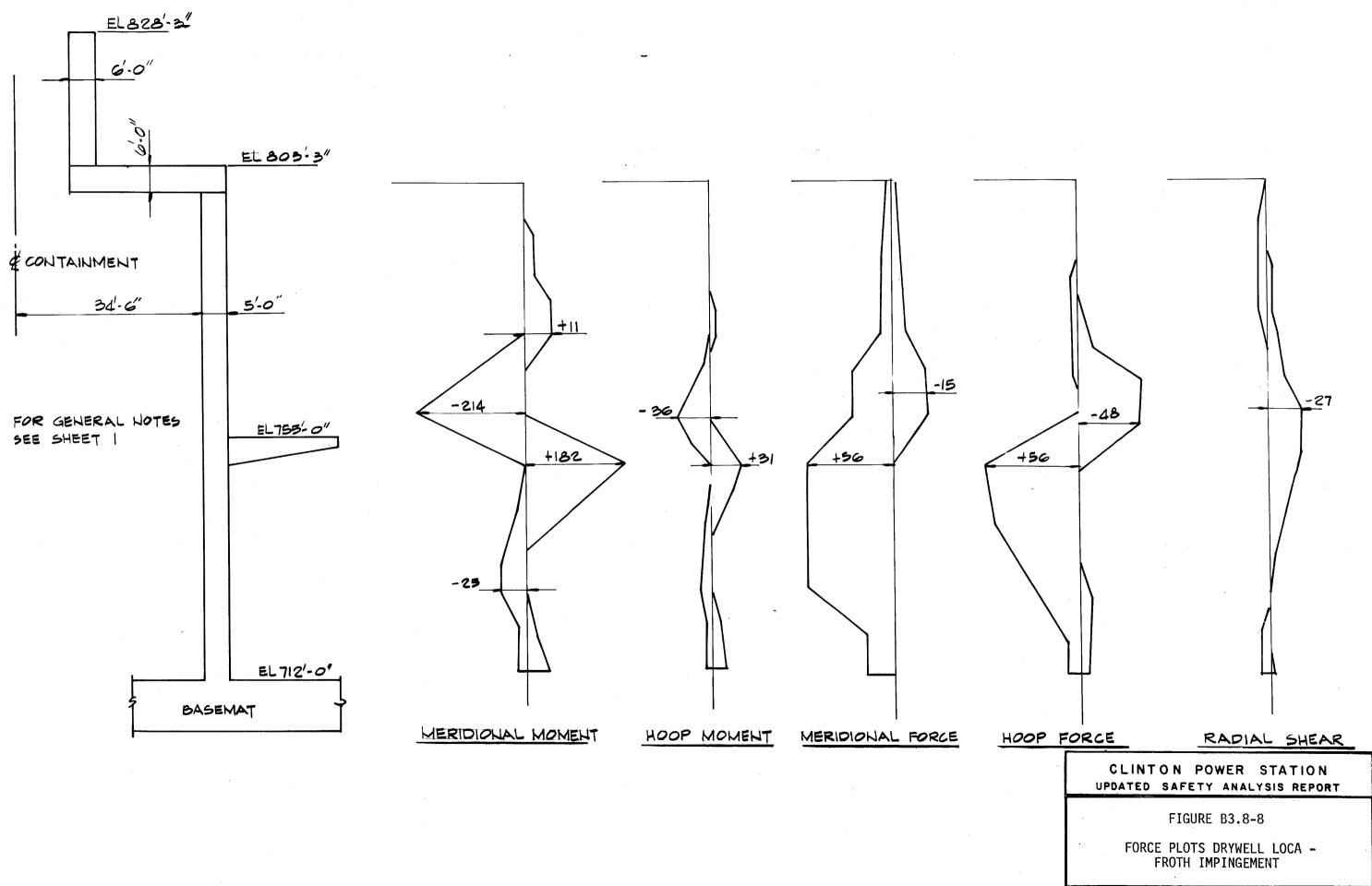


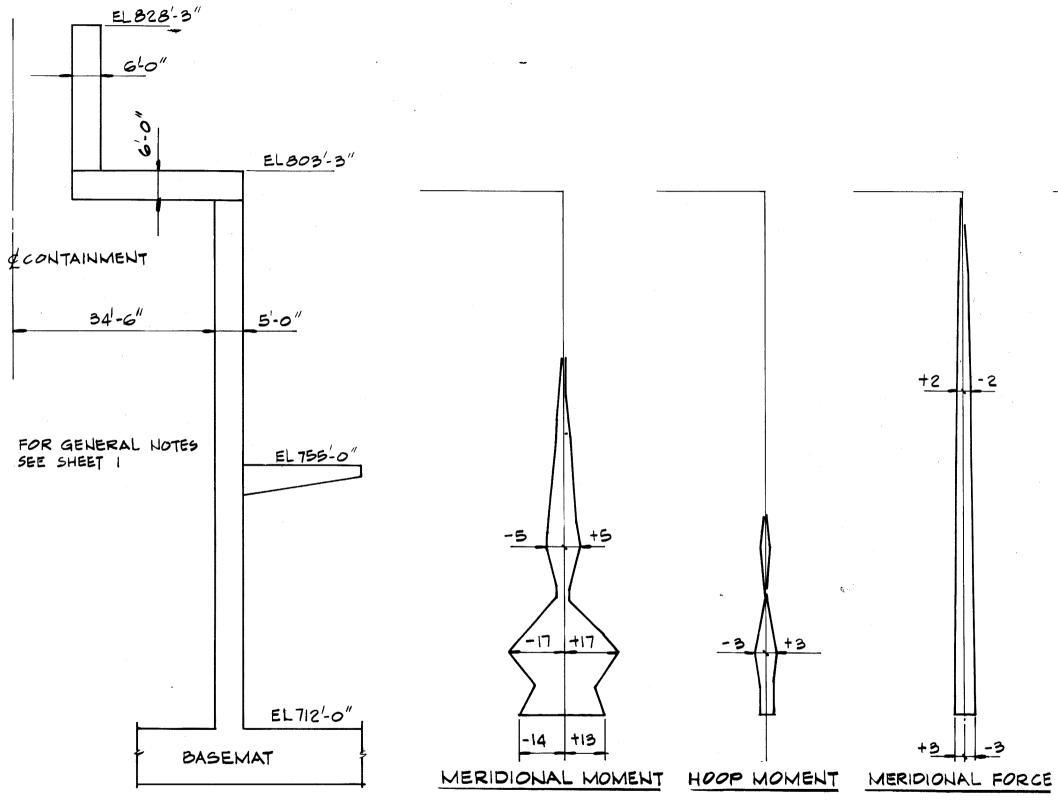


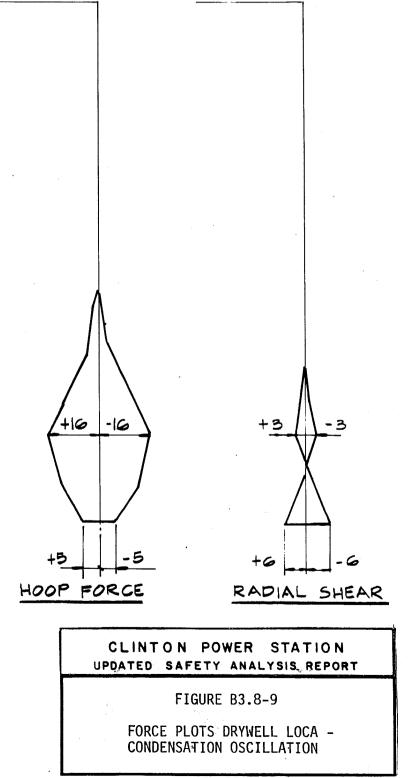


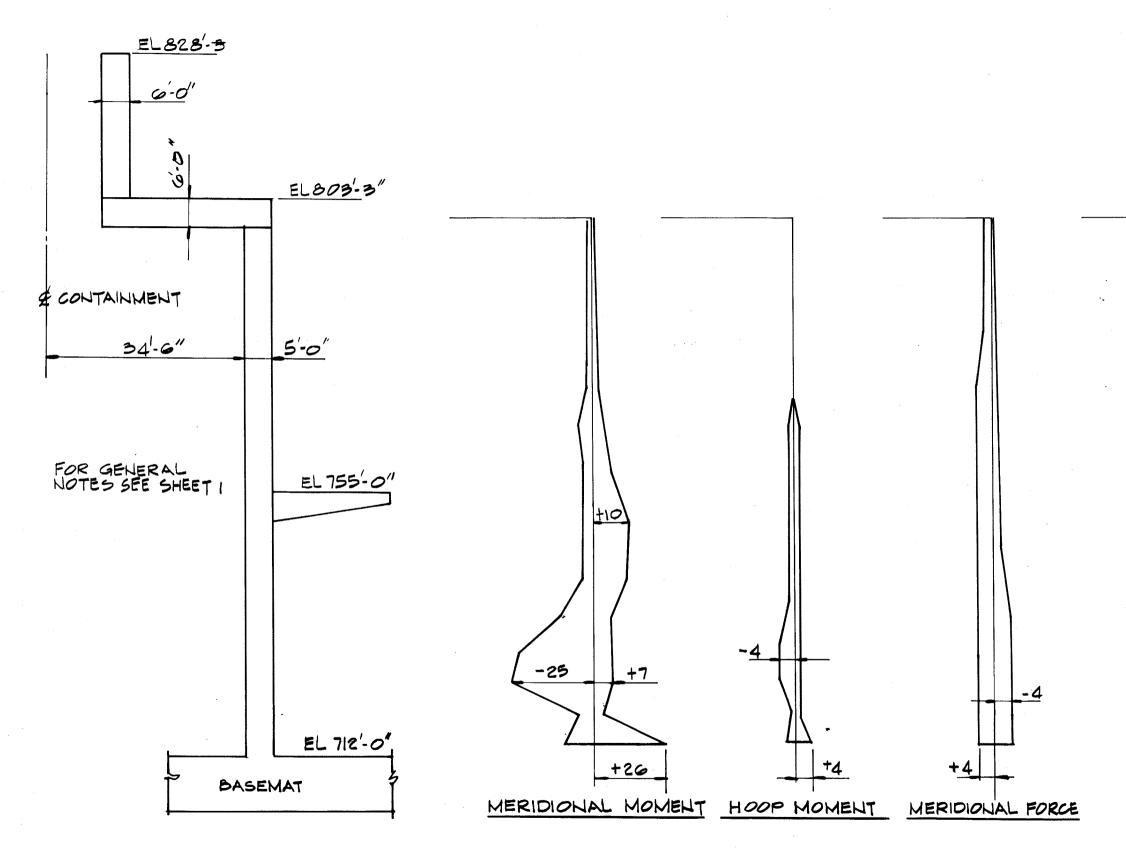


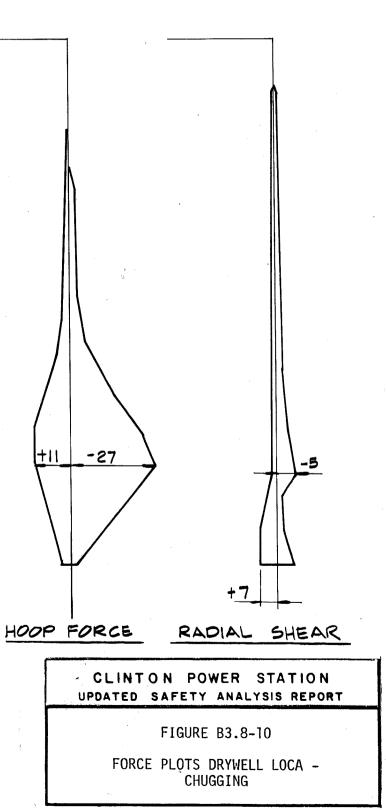


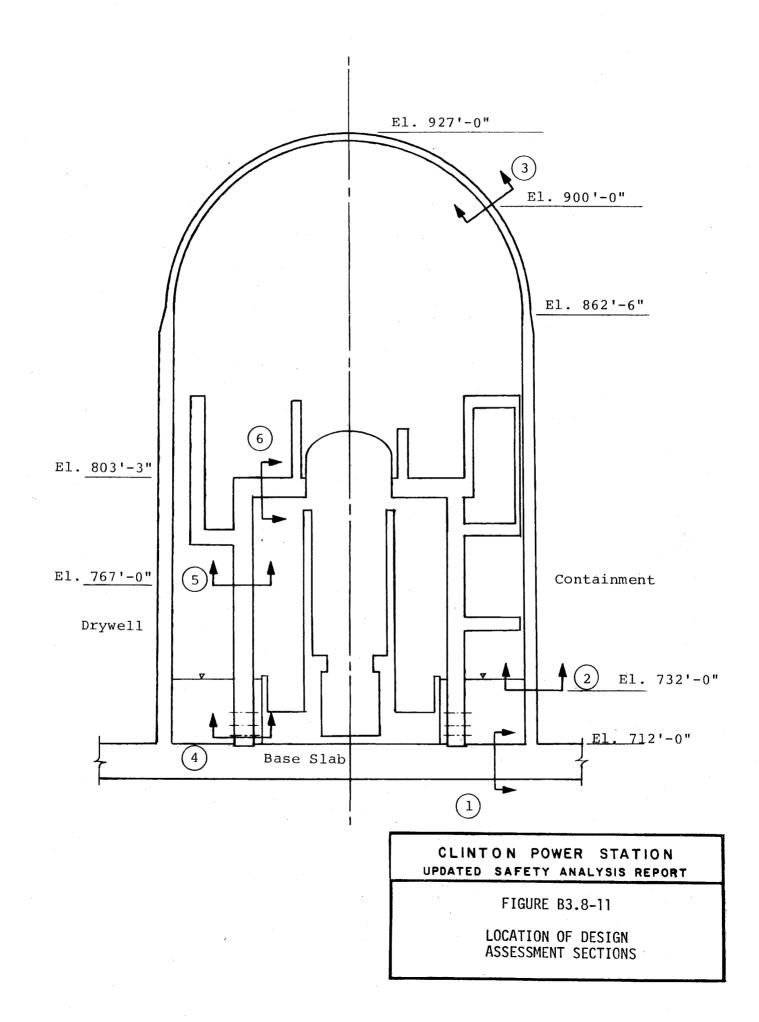












CPS/USAR

FIGURES 3.9-1 THROUGH 3.9-5 HAVE BEEN DELETED



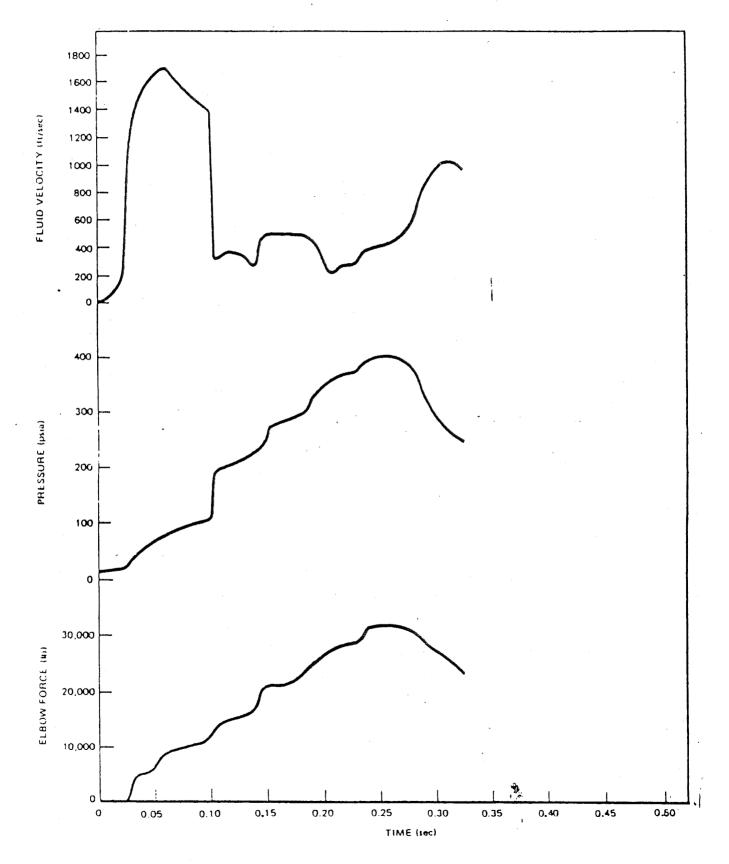


Figure 3.9-6. Typical Relief Valve Transient

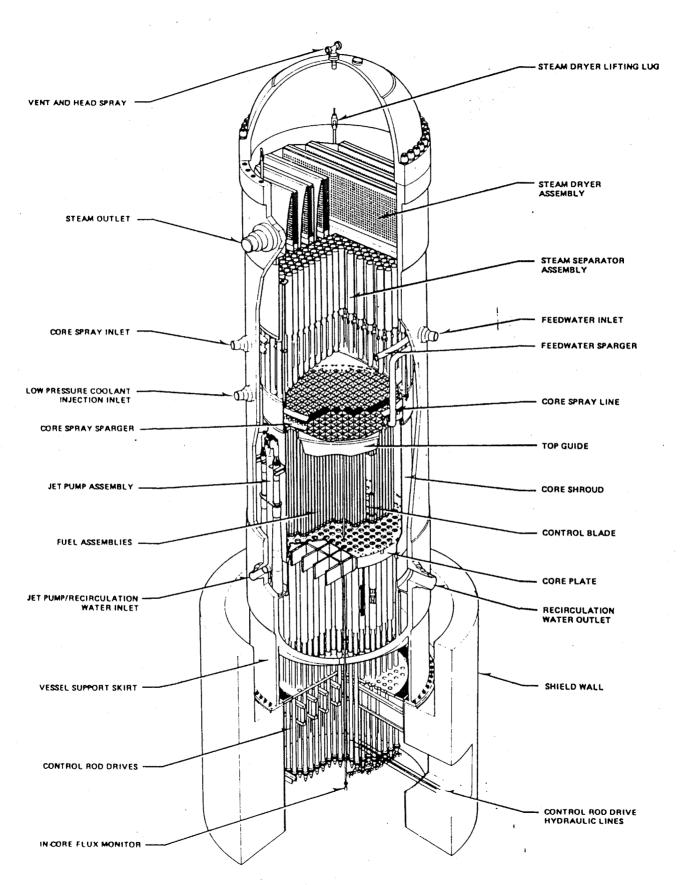


Figure 3.9-7. Reactor Vessel Cutaway

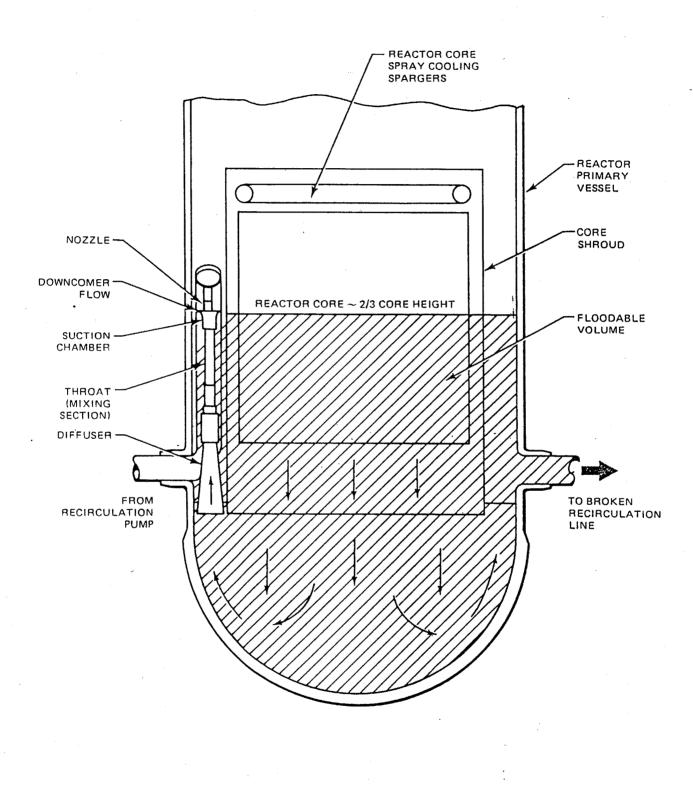


Figure 3.9-8 REACTOR INTERNALS FLOW PATHS

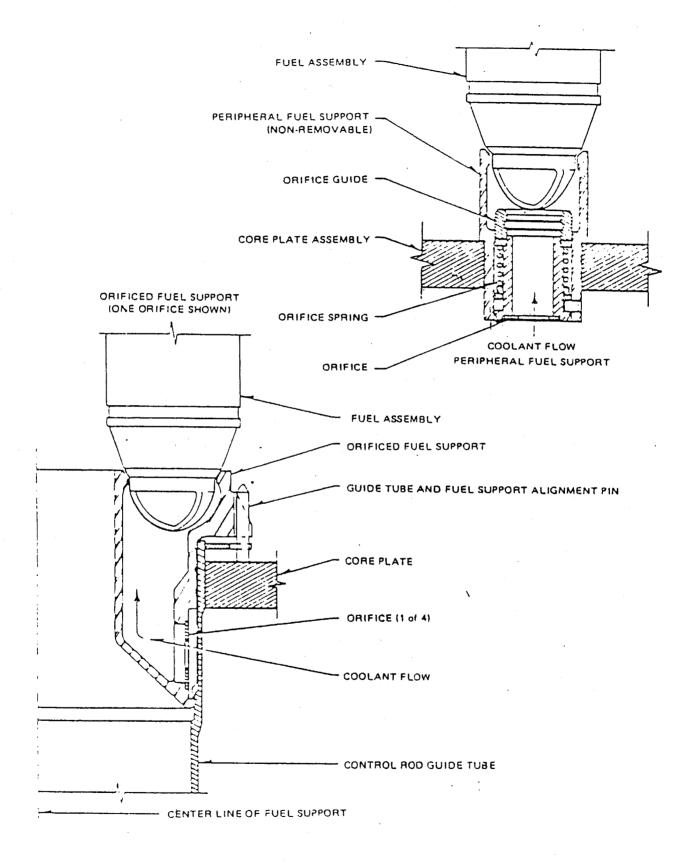


Figure 3.9-9. Fuel Support Pieces

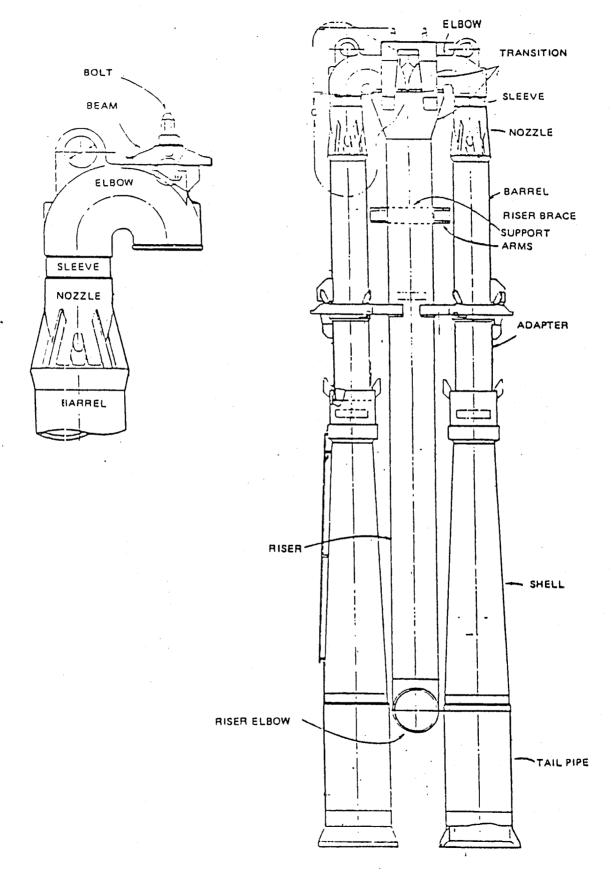
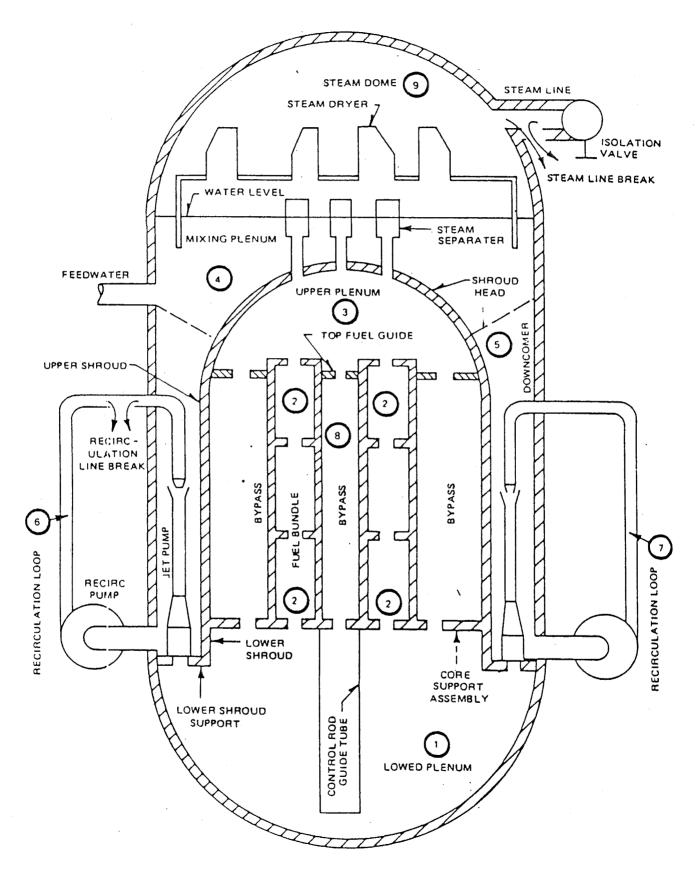
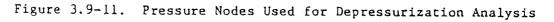
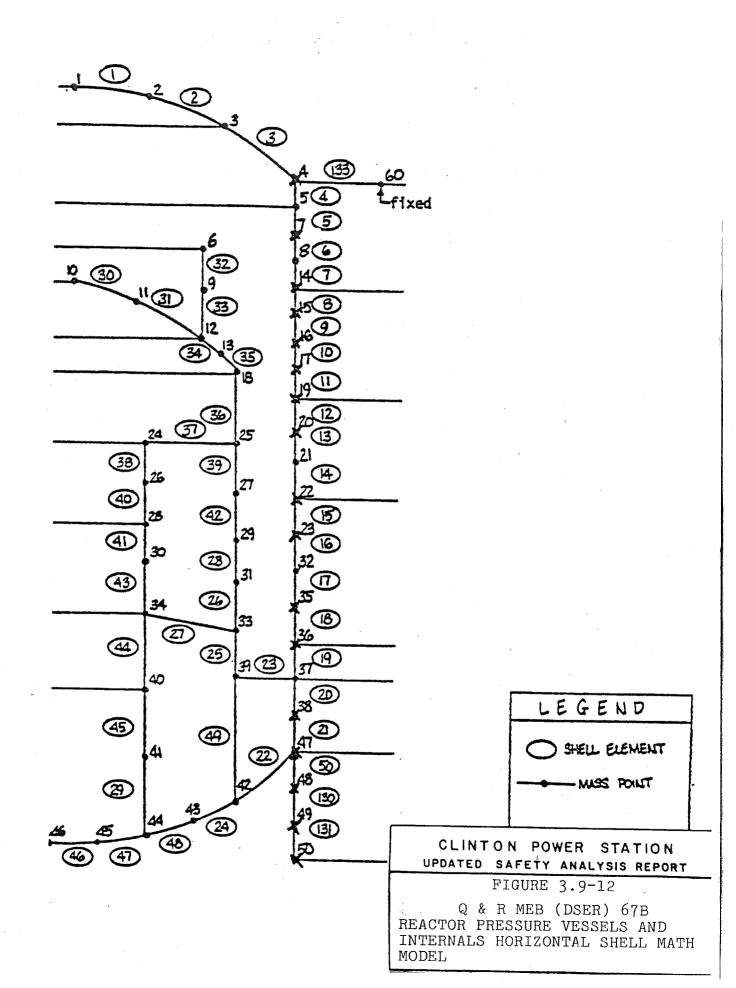


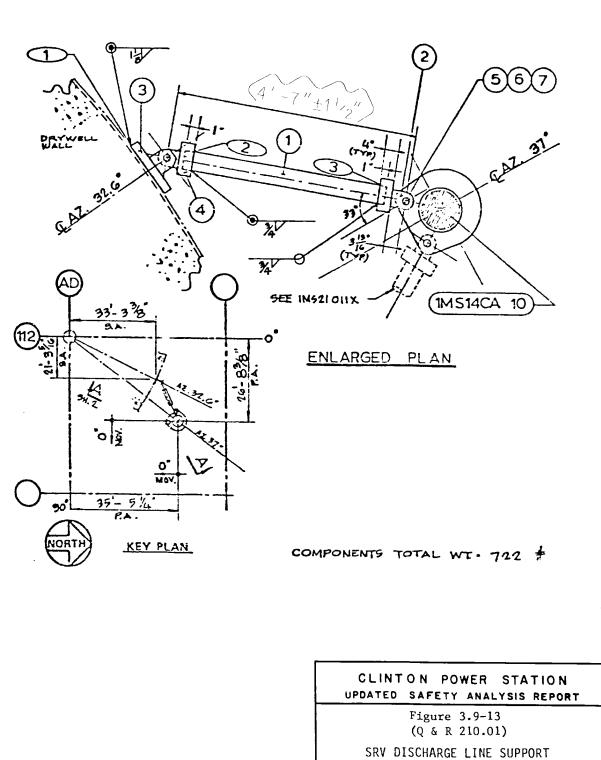
Figure 3.9-10. Jet Pump





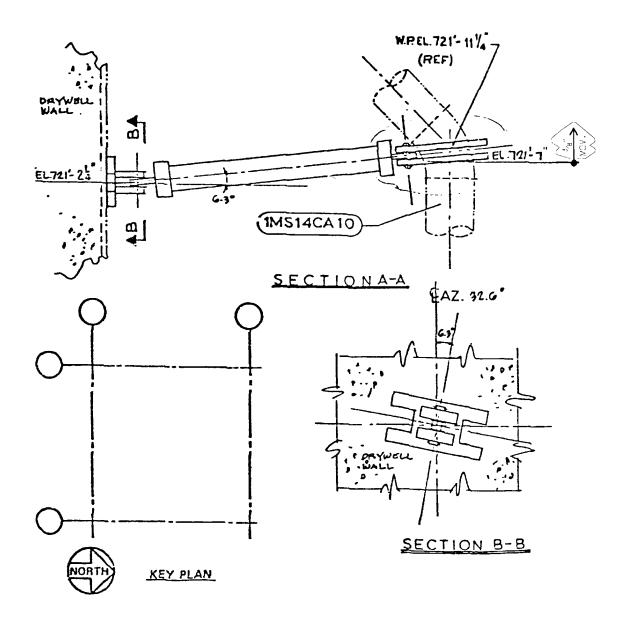


REVISION 9 JANUARY 2001

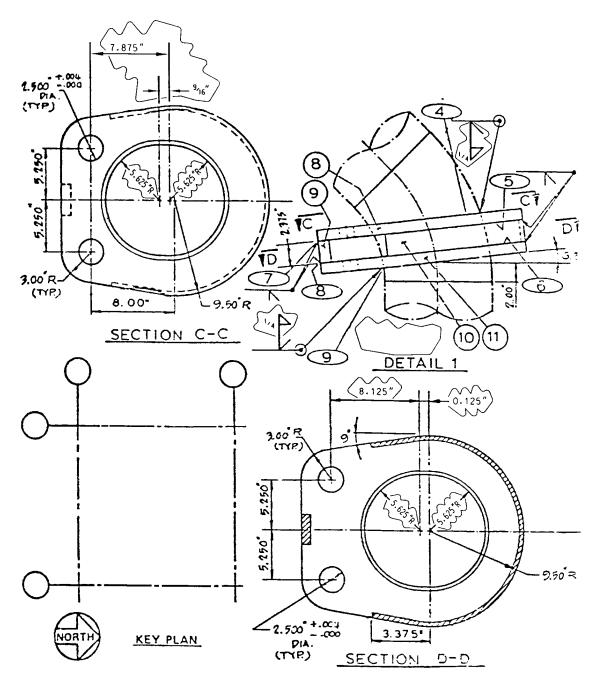


SRV DISCHARGE LINE SUPPORT WELDED ATTACHMENT DETAIL

SHEET 1 OF 4

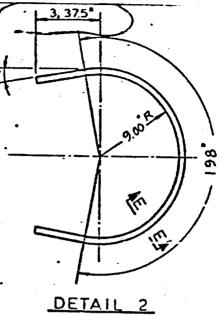


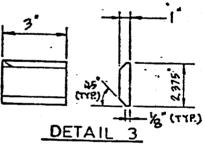
	WER STATION ANALYSIS REPORT
Figure 3 (Q & <u>R</u> 2	
SRV DISCHARGE WELDED ATTACH SHEET 2	MENT DETAIL



	ON POWER S SAFETY ANALYS	
Figure 3.9-13 (Q & R 210.01) SRV DISCHARGE LINE SUPPORT WELDED ATTACHMENT DETAIL		
	SHEET 3 OF 4	

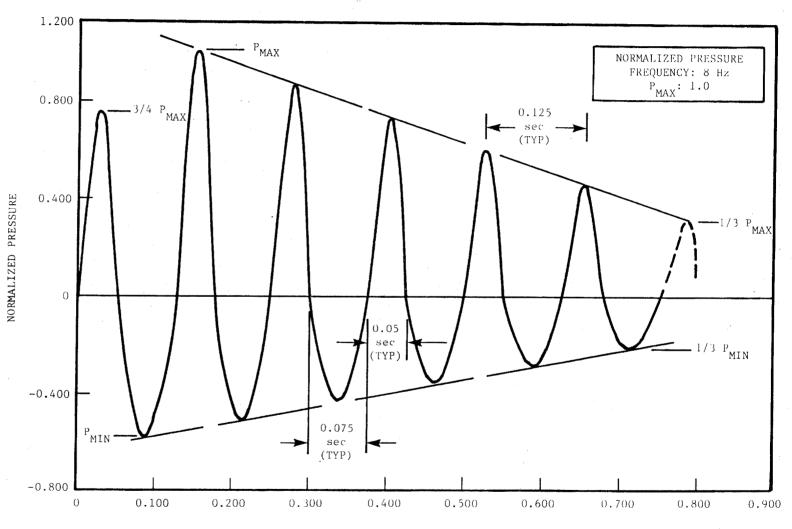
1/2 45°(TYP.) SECTION E-E KEY PLAN NOR



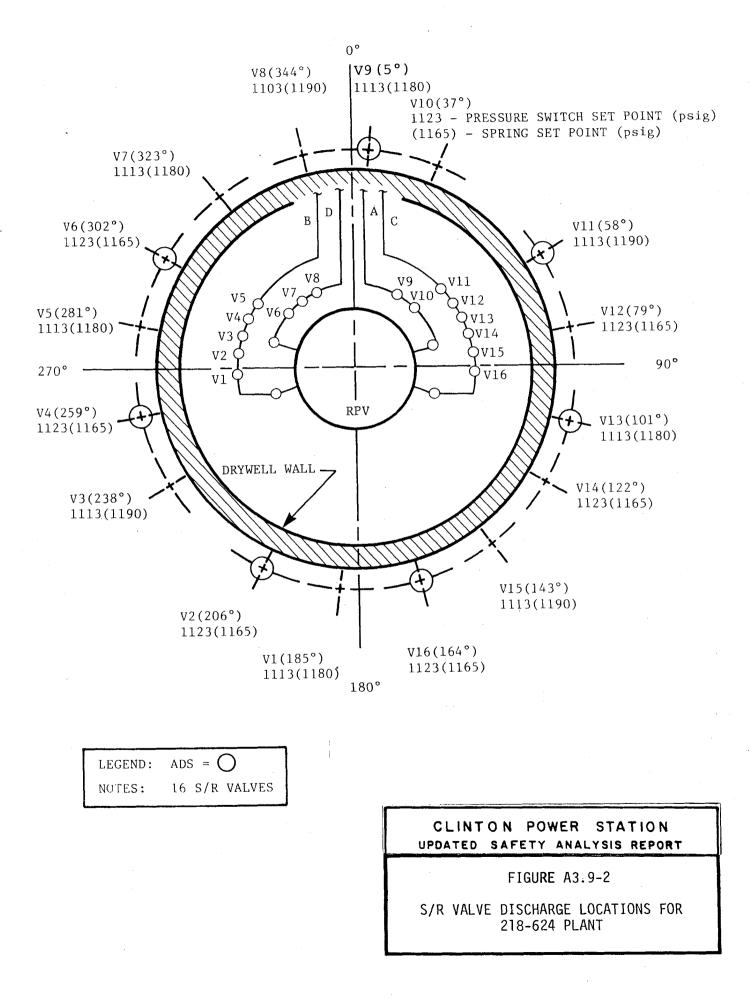


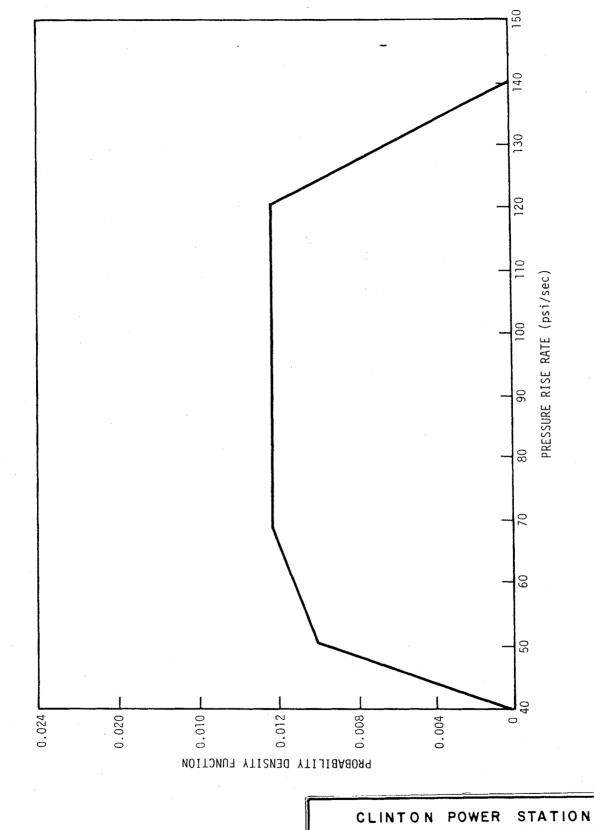
QUENCHER BUBBLE PRESSURE TIME HISTORY

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT FIGURE A3.9-1



TIME (sec)

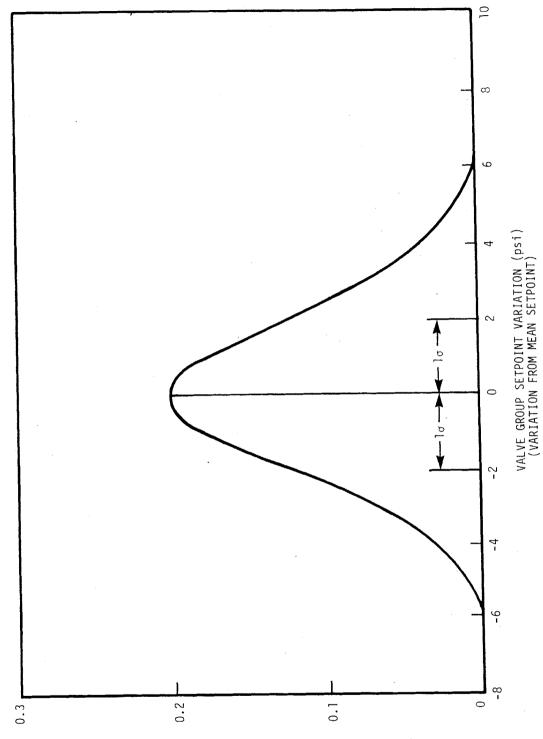


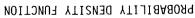


UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.9-3

PROBABILITY DENSITY FUNCTION VS. PRESSURE RISE RATE

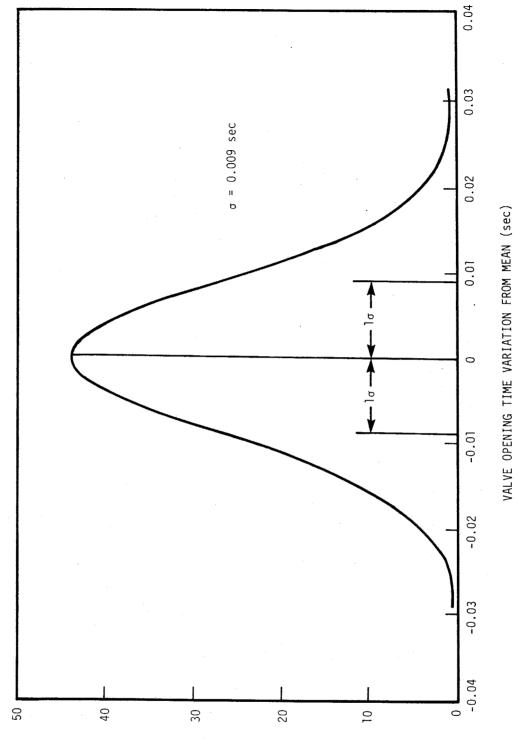




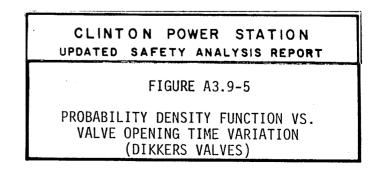
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

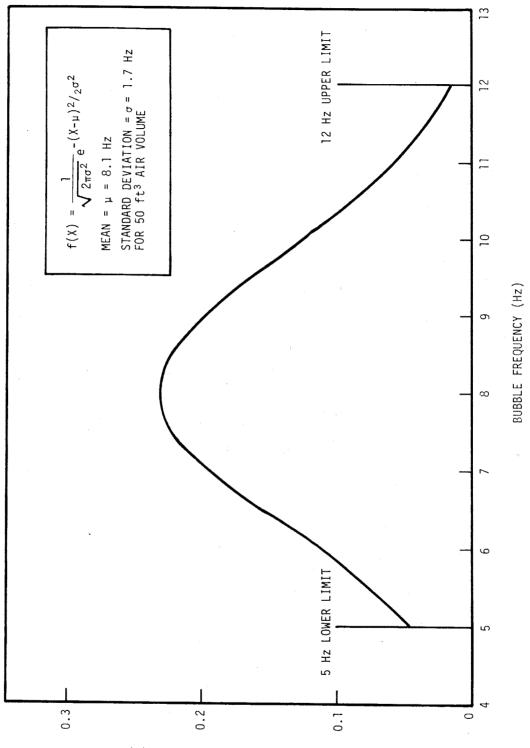
FIGURE A3.9-4

PROBABILITY DENSITY FUNCTION VS. VALVE GROUP SETPOINT VARIATION

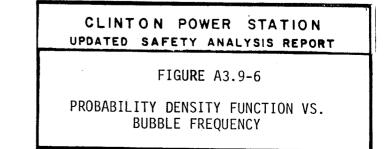


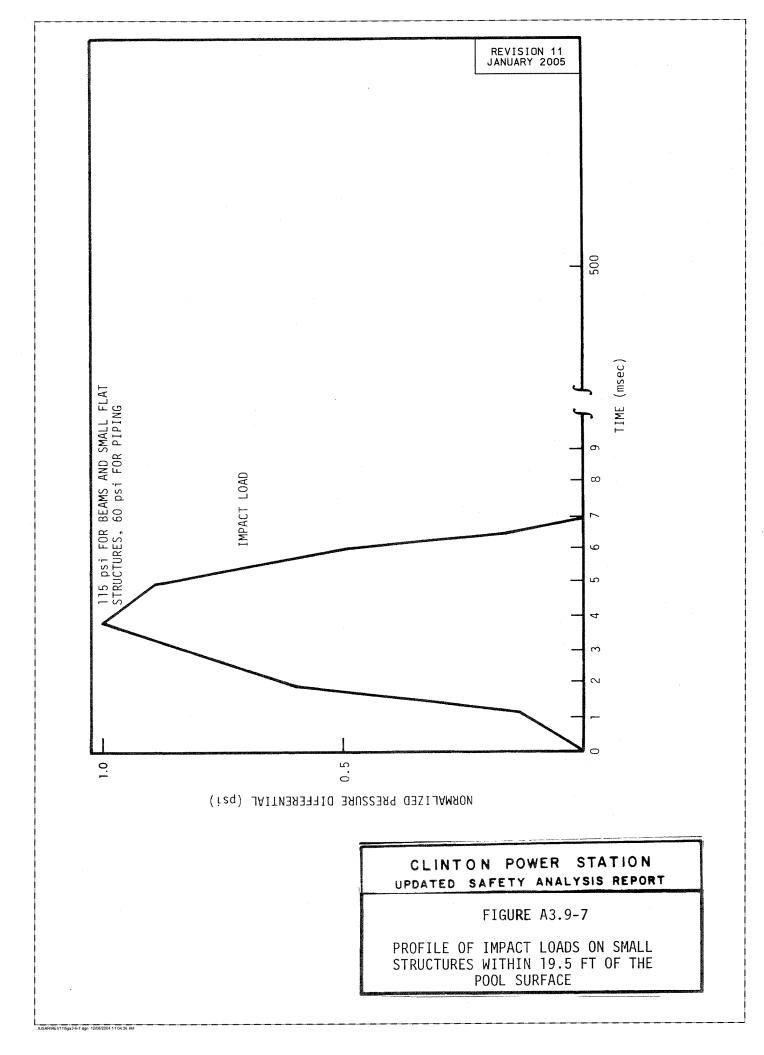
PROBABILITY DENSITY FUNCTION

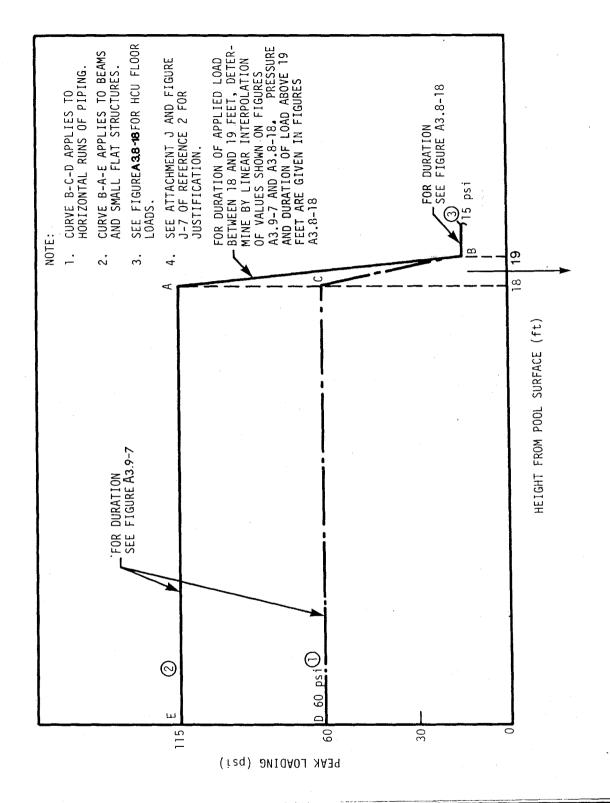








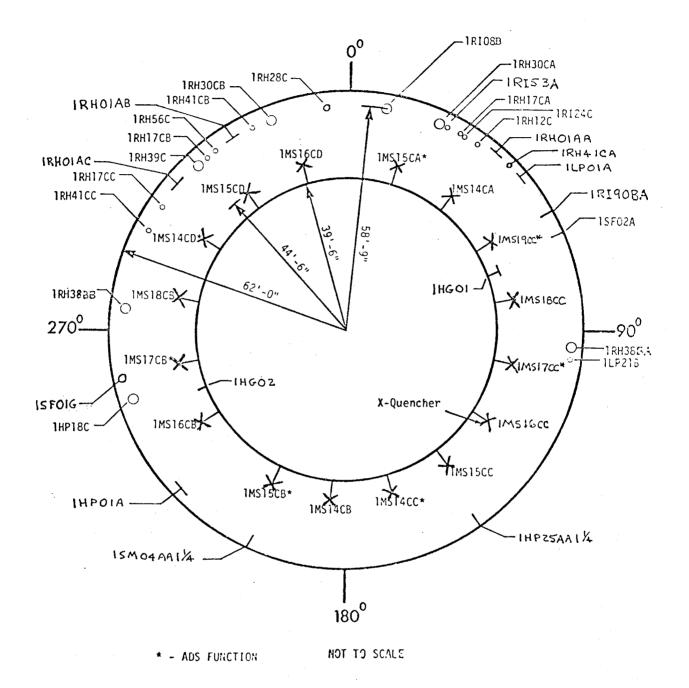


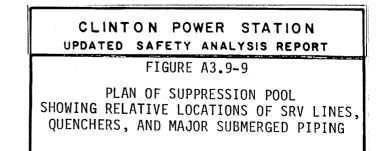


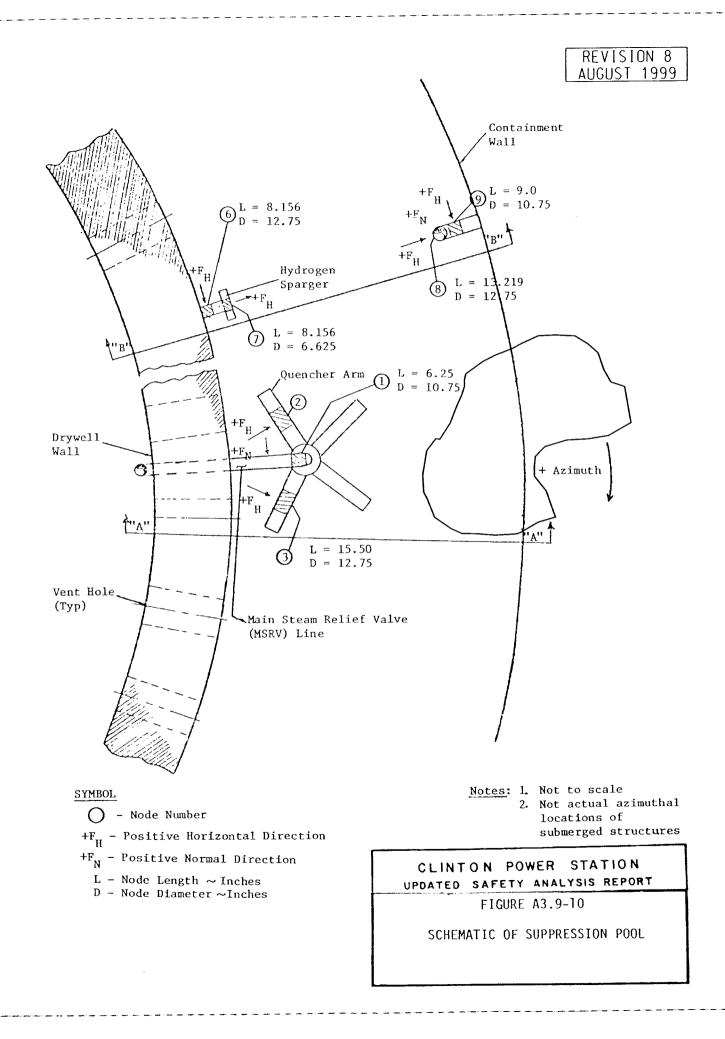
NOTE

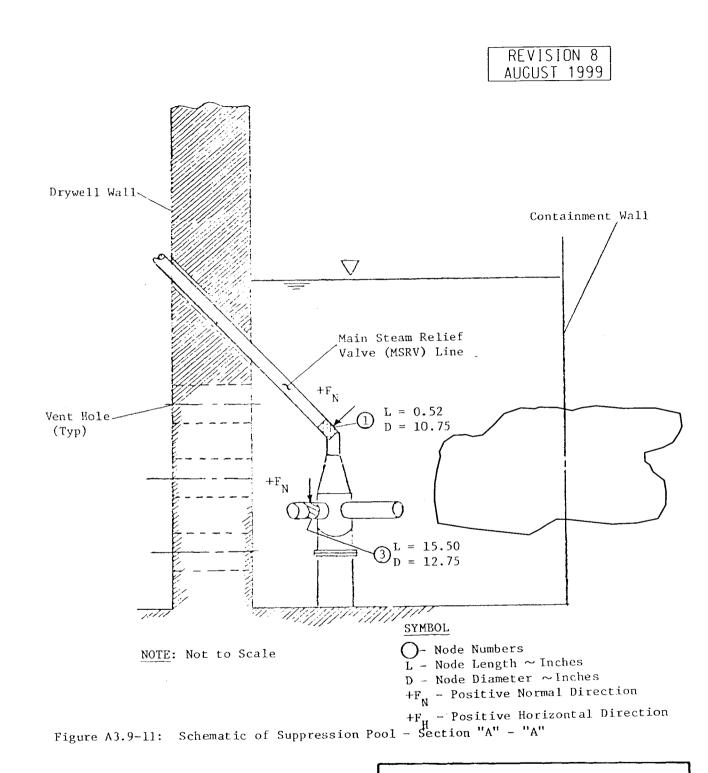
ONLY DRAG LOADS ARE APPLIED ABOVE THE HCU FLOOR FROM VELOCITY DETERMINED BY DECELERATION WITH ELEVA-TION. NO FROTH IMPACT OR DRAG LOAD ABOVE 30 ft.

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT
FIGURE A3.9-8
SUMMARY OF POOL SWELL LOADING SPECIFICA- TIONS FOR SMALL STRUCTURES IN THE CON- TAINMENT ANNULUS (NOT APPLICABLE TO THE STEAM TUNNEL OR EXPANSIVE HCU FLOORS)





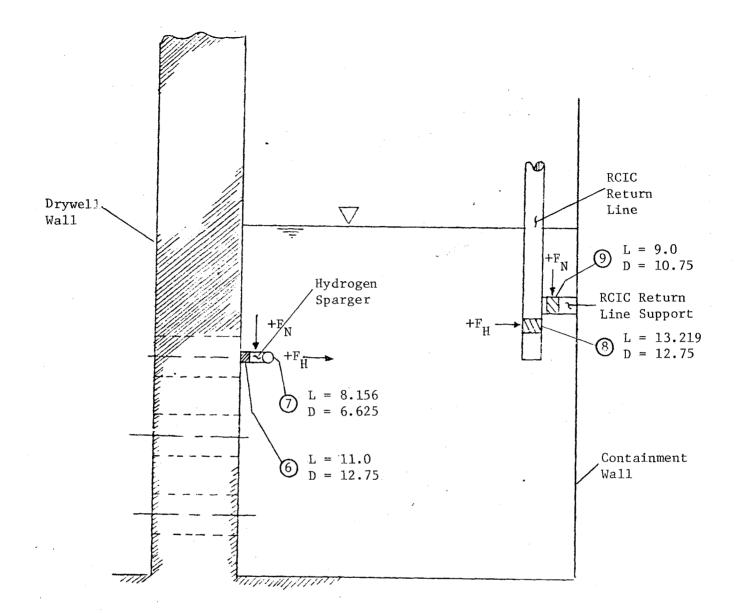




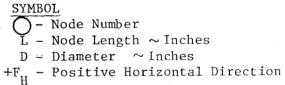
CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.9-11

SCHEMATIC OF SUPPRESSION POOL SECTION A-A



NOTE: Not to Scale



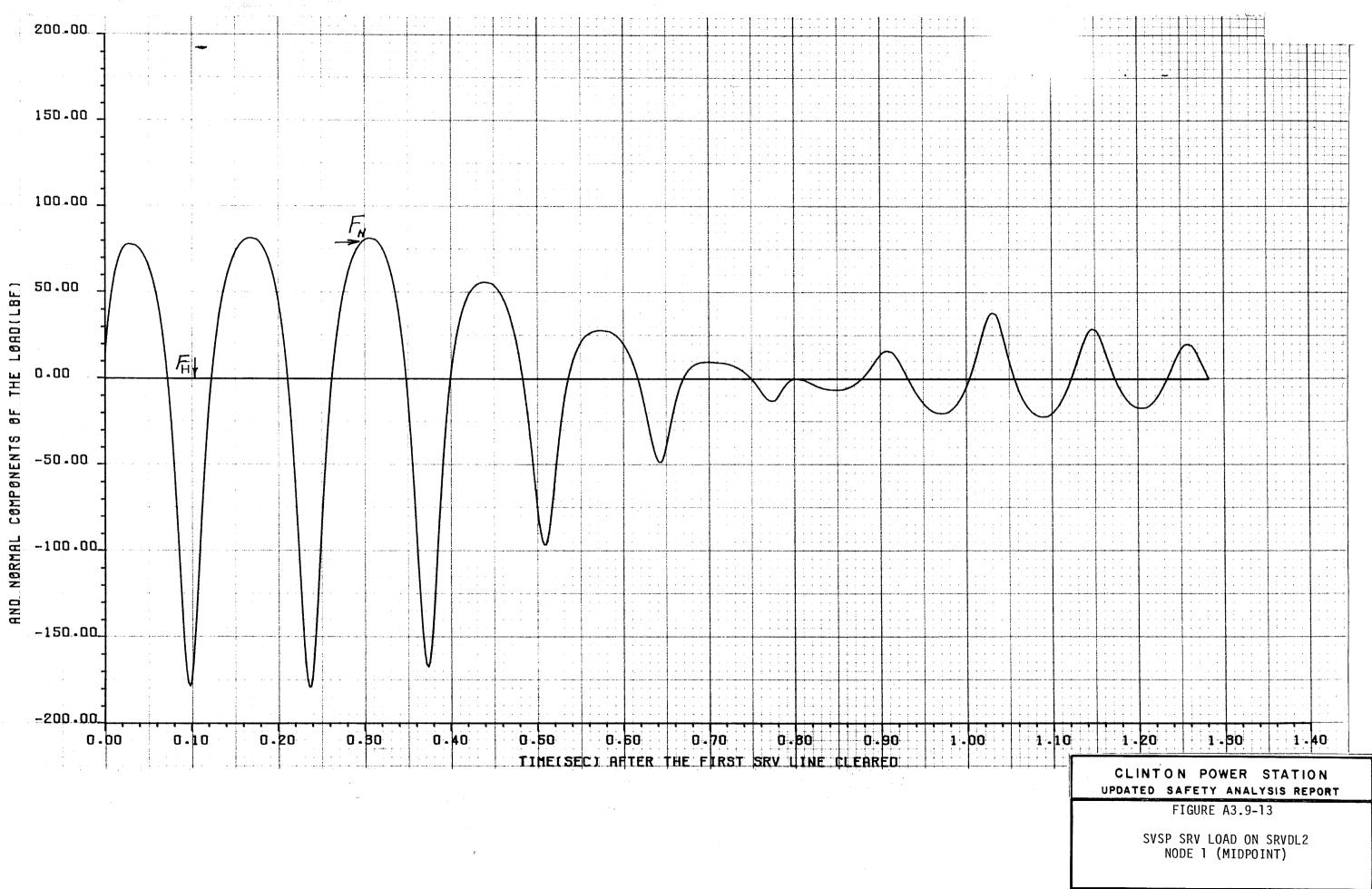
 $+F_{N}$ - Positive Normal Direction

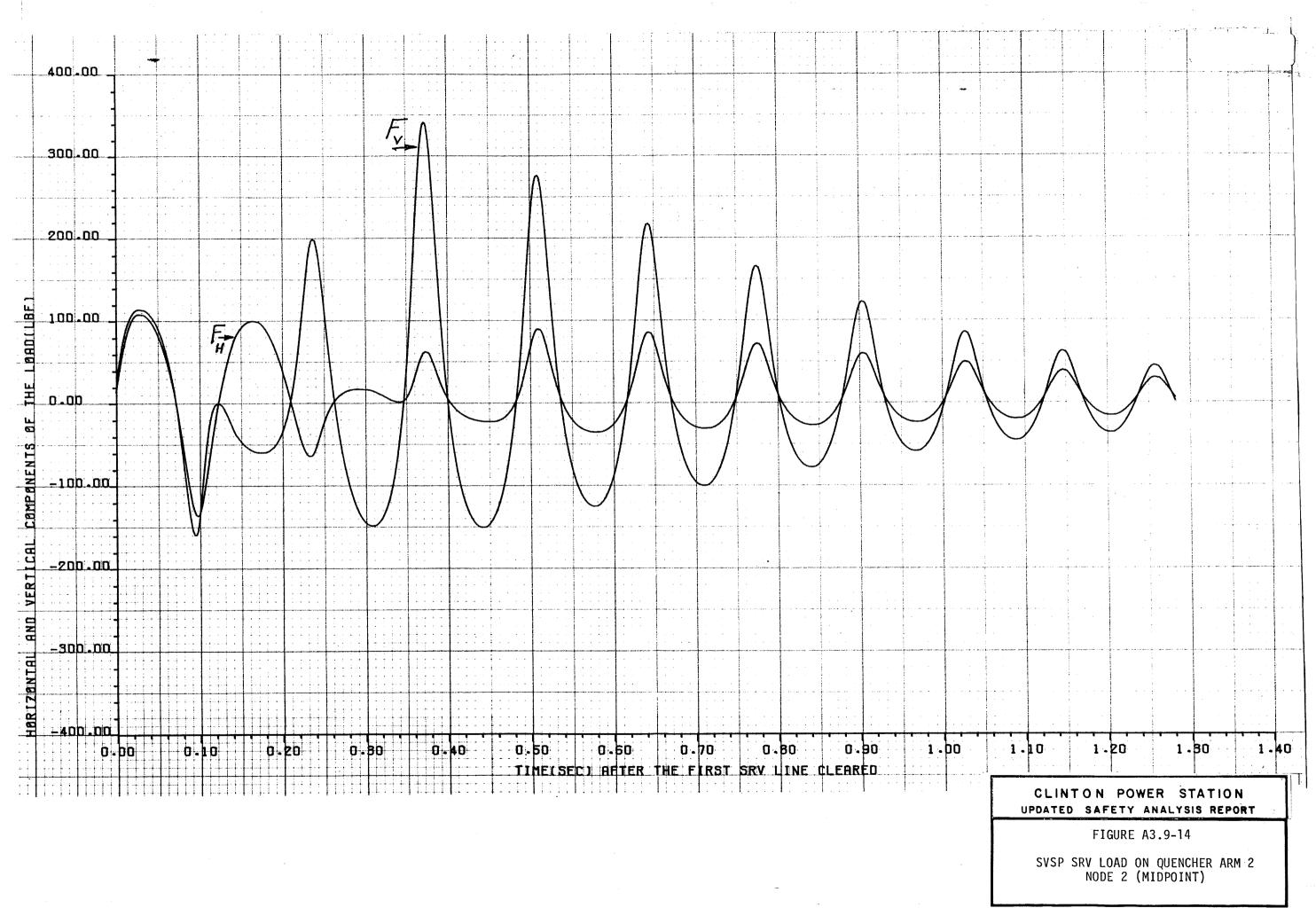
Figure A3.9-12: Schematic of Suppression Pool - Section "B" - "B"

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE A3.9-12

SCHEMATIC OF SUPPRESSION POOL SECTION B-B

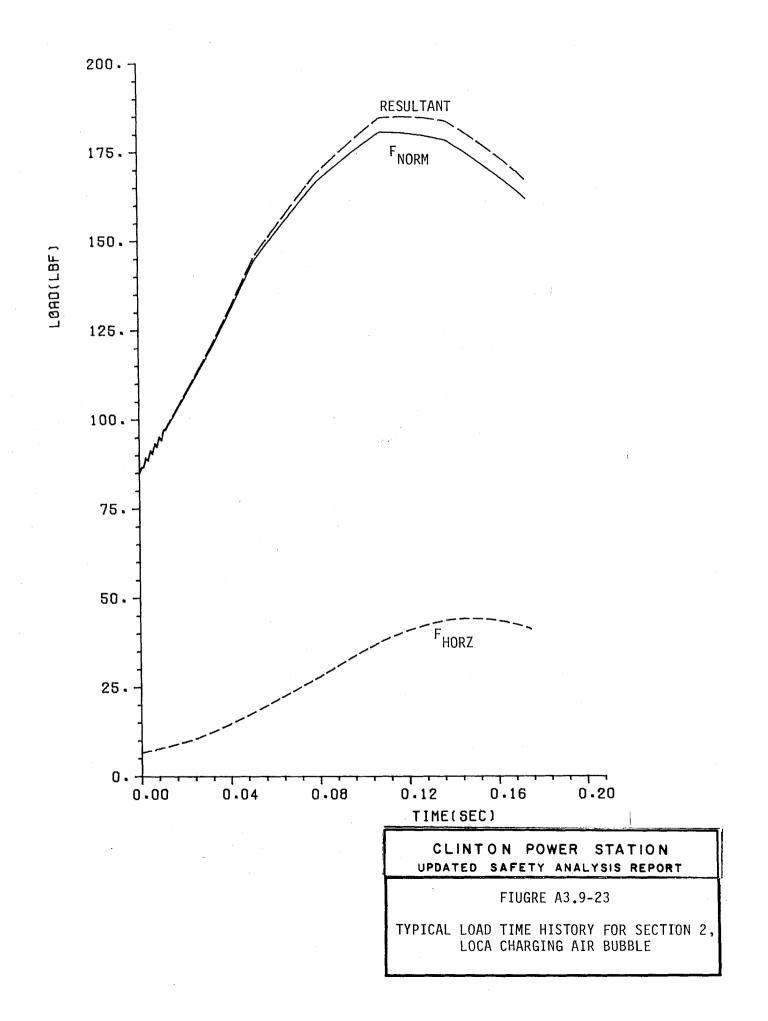


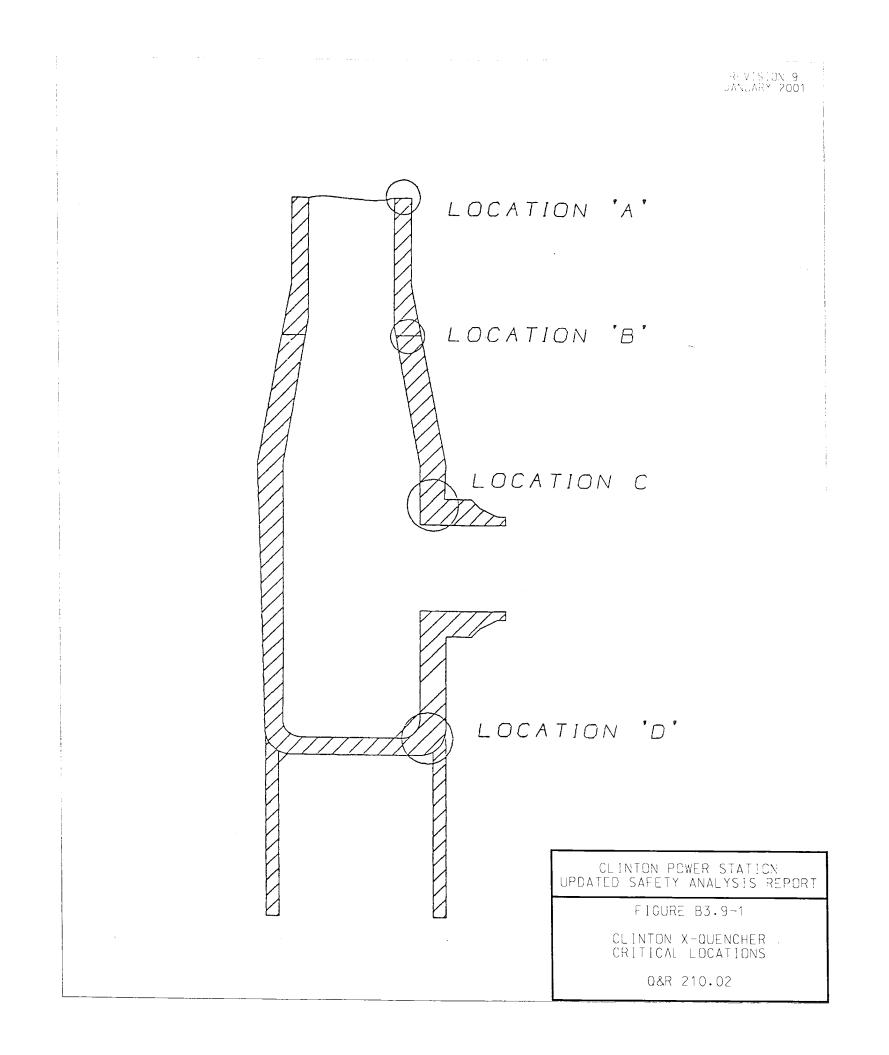


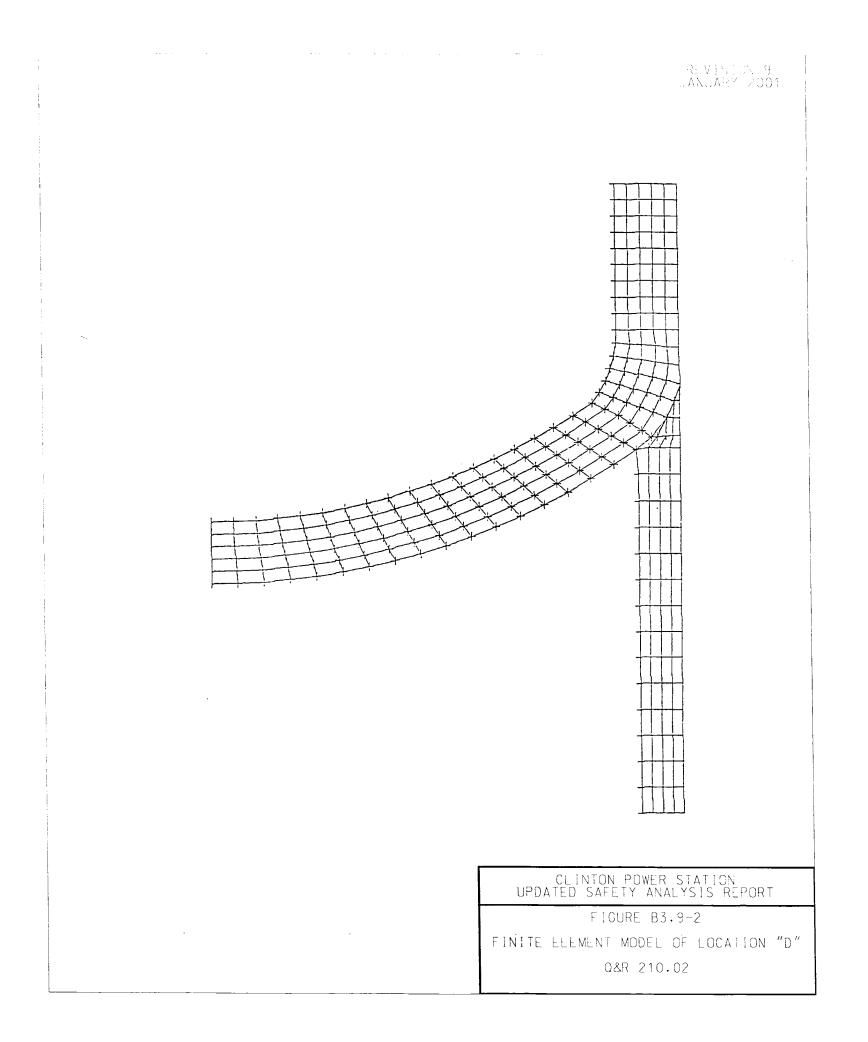
CPS/USAR

FIGURES A3.9-15 THROUGH A3.9-22

HAVE BEEN DELETED







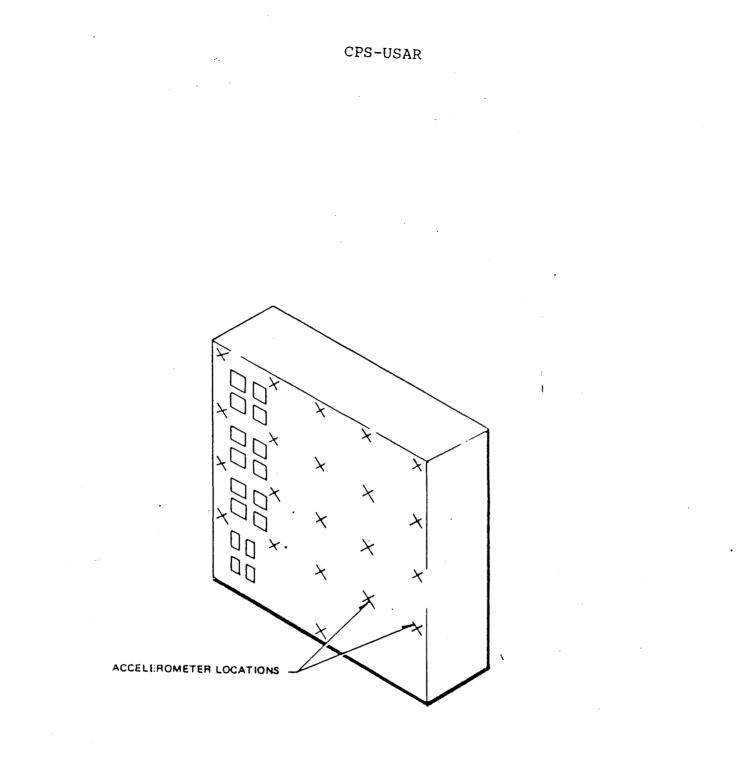


Figure 3.10-1. Typical Vertical Board (Benchboard Would be the Same with a Bench Section Protruding Out About Half-way Down)



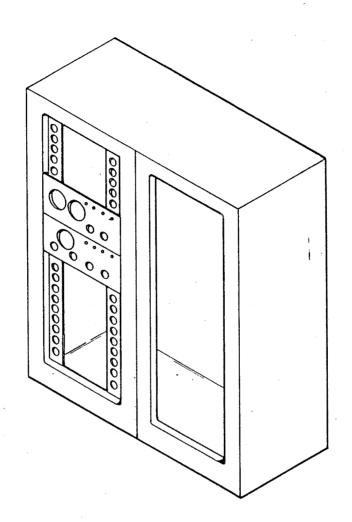


Figure 3.10-2. Instrument Rack (Cabinet would Contain Pages or Other Special Instruments instead of Simple Drawer Type Instruments)

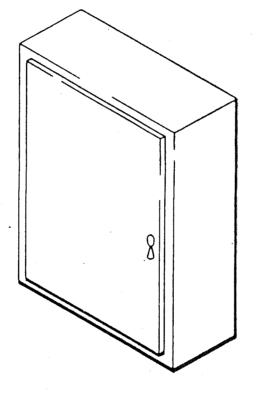
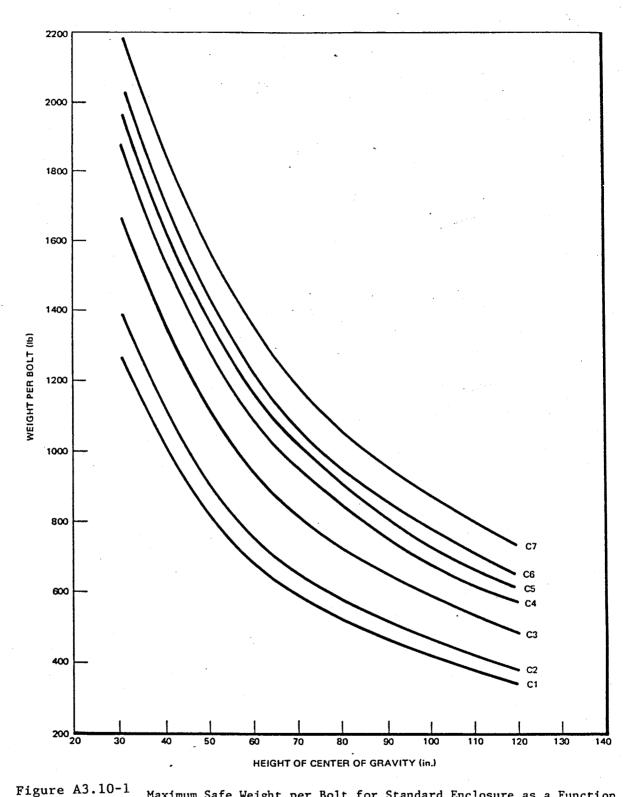
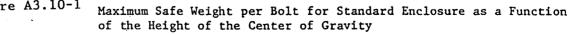


Figure 3.10-3. NEMA Type-12 Enclosure (Instruments Mounted Inside on Internal Membrane Mounted on Standoffs Attached to Back)





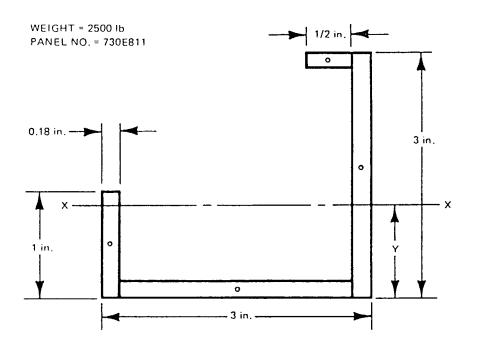


Figure B3.10-1. Corner Post

CPS-USAR

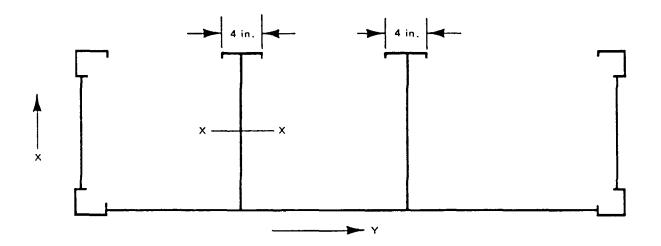


Figure B3.10-2. Plan View of Panel

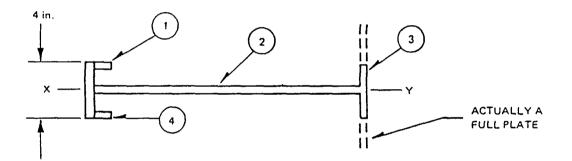


Figure B3.10-3. Barrier With Two End Plates

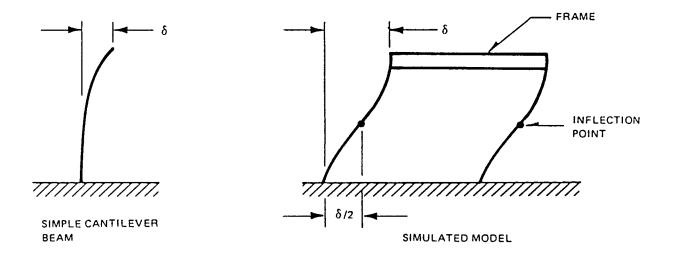
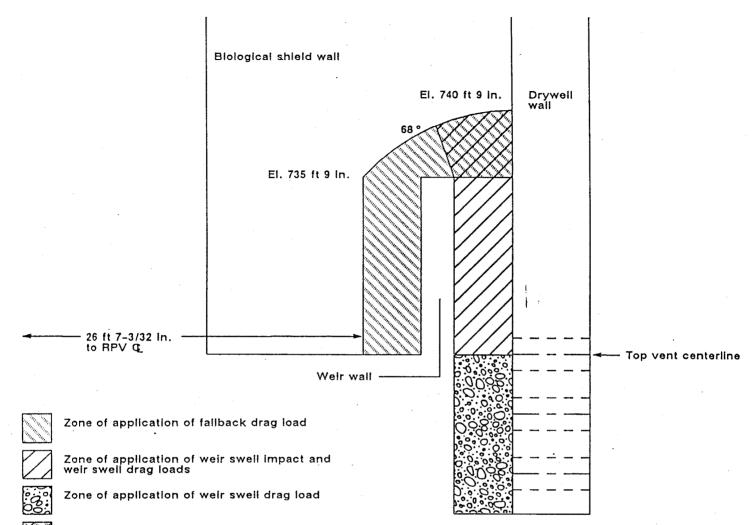


Figure B3.10-4. Panel Deflections

Figures 3.11-1 through 3.11-15 Deleted



Zone of application of welr swell impact, weir swell drag, and fallback drag loads

CLINTON POWER STATION UPDATED SAFETY ANALYSIS REPORT

FIGURE 3.11-16

WEIR SWELL IMPACT, DRAG AND FALLBACK DRAG ZONES