ATTACHMENT A

VY Inservice Inspection Program
Amendment No. 1 to Revision 9

Instructions

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INSERVICE INSPECTION PROGRAM

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Item No.		Category	No. in Category	Minimum Number or % Required 2nd Interval	3rd Interval	4th Interval	Comments
Reactor Vessel							
			12	Accessible length	Accessible length	Accessible length	See Relief Request
B1.10	B1.11	B-A	Shell welds	of 2 welds	of 2 welds	of 2 welds	Basis B-1
	B1.12						
B1.20	B1.21		Top Head:	100% of 1 weld of	100% of 1 weld of	100% of 1 weld of	
	B1.22		1 Circ.	each type	each type	each type	
			6 Merid.				
			Bottom head:	Accessible length	Accessible length	Accessible length	
			1 Circ.	of 1 weld of each	of 1 weld of each	of 1 weld of each	
			10 Merid.	type	type	type	
B1.30			1	100% of weld	100% of weld	100% of weld	
B1.40			1	100% of weld	100% of weld	100% of weld	
B1.50	B1.51		1	1 Repair Weld	1 Repair Weld	1 Repair Weld	See Relief Request Basis B-2
B3.90	B3.100	B-D	30	29	29	29	Nozzle N-15 exempt from examination per per IWB-1220(c)
B4.10	B4.11	B-E	2	1	1	1	
	B4.12		89	23	23	23	
	B4.13		6	2	2	2	
	B5.10	B-F	18	18	18	18	Nozzle N-15 safe-end
	B5.11		6	6	6	6	exempt per IWB-1220(c)
	B6.10	B-G-1	64 studs	64	64	64	Examination performed
	B6.20		64 nuts	64	64	64	on studs only if re-
	B6.30						moved
	B6.40	B-G-1	64	Any disassembled	Any disassembled	Any disassembled	
	B6.50	B-G-1	64 washers	64 washers	64 washers	64 washers	*Inspect bushings only
			64 bushings	*	*	*	if disassembled
	B7.10	B-G-2	3	3	3	3	
	B7.80		69	Any disassembled	Any disassembled	Any disassembled	
Reactor Vessel							
	B8.10	B-H	5	5	5	5	See Relief Request No. B-3
	B13.10	B-N-1	N/A	As accessible each 3-1/3 years	As accessible each 3-1/3 years	As accessible each 3-1/3 years	
	B13.20	B-N-2	N/A	As accessible	As accessible	As accessible	
	B13.21			each 10 years	each 10 years	each 10 years	
	B14.10	B-O	20 upper	2	2	2	
			15 lower	2	2	2	
	B15.10	B-P	Vessel and	Once each outage	Once each outage	Once each outage	See hydrostatic
	B15.11		Nozzles	Once each interval	Once each interval	Once each interval	pressure test section
	B5.50	B-F	6	6	6	6	
	B6.150	B-G-1					
	B6.160		0	--	--	--	
	B6.170						

Item No.	Category	No. in Category	Minimum Number or % Required			Comments
			2nd Interval	3rd Interval	4th Interval	
B9.11	B-J	354	89	89	89	See Relief Request
B9.31		17	5	5	5	No. B-4 and B-5.
B10.10	B-K-1	15	15*	None Required	None Required	*Attachments determined during inspections to have a base material thickness < 5/8 in. shall be exempted
						See Relief Request B-6.
F-1	F-A	115	115	115	115	Snubber settings indicate remaining piston
F-2	F-B					
F-3	F-C					thermal travel required
F-4						to prevent full extension or compression when hot
B15.50	B-P	All systems	One each outage	One each outage	One each outage	
B15.51		All systems	One each interval	One each interval	One each interval	
Pumps						
B6.180	B-G-1	32	32	32	32	
B6.190		2	Any disassembled	Any disassembled	Any disassembled	*Bushings examined in place only when disassembled
B6.200		32	32*	32*	32*	
B12.10	B-L-1	0	--	--	--	Pump casings are cast; there are no casing seam welds
B12.20	B-L-2	2	1 if disassembled	1 if disassembled	1 if disassembled	2 pumps performing similar functions
B15.60	B-P	2	2 each outage	2 each outage	2 each outage	
B15.61		2	2 each interval	2 each interval	2 each interval	
B7.60	B-G-2	0	--	--	--	
Valves						
B6.210	B-G-1	0	--	--	--	
B6.220						
B6.230						
B10.30	B-K-1	0	--	--	--	
F-1 F-3	F-A	0	--	--	--	
F-2 F-4	F-B					
	F-C					
B12.30	B-M-1	0	--	--	--	
B12.31						
B12.40	B-M-2	44 (17 groups)	17 (One per group if disassembled)	17 (One per group if disassembled)	17 (One per group if disassembled)	Grouped by similar function
B15.70	B-P	44	44 each outage	44 each outage	44 each outage	
B15.71			44 each interval	44 each interval	44 each interval	
B7.70	B-G-2	50	50	50	50	

INSPECTION SUMMARY

Item No.	Category	No. in Category	Minimum Number Required			Comments
			2nd Interval	3rd Interval	4th Interval	
Vessels						
C1.10		3	3	3	3	Exams distributed
C1.20	C-A	1	1	1	1	among two identical
C1.30		0	0	0	0	vessels
C2.10		0	0	0	0	Surface examinations
C2.20	C-B	2	2	2	2	shall be performed. See Relief Request No. C-1. Exams distributed among two identical vessels.
C3.10	C-C	4	4	4	4	Exams distributed among two identical vessels
C4.10	C-D	0	0	0	0	
Piping						
C5.51	C-F-2	1,067	80	80	80	Number examined in each interval per Case Code N-408
C4.20	C-B	0	0	0	0	
C3.40	C-C	72	72	72	72	
F-1	F-A	377	377	377	377	
F-2	F-B					
F-3	F-C					
F-4						
Pumps						
C6.10	C-G	0	0	0	0	
C4.30	C-D	0	0	0	0	
C3.70	C-C	6	6	6	6	
F-1	F-A					4 supports exempt from examination per
F-2	F-B	6	2	2	2	IWF-2510(b)
F-3	F-C					
F-4						
Valves						
C6.20	C-G	0	0	0	0	
C4.40	C-D	0	0	0	0	
C3.100	C-C	0	0	0	0	

	ITEM	SYSTEM	COMP ID	COMP DESC	SIZE TYPE	METH	CAL BLOCK	DRAWING	INTERVAL 2			INTERVAL 3			INTERVAL 4		
	(UTILIZES SELECTION CRITERIA OF 1974/S75 CODE) (SEE RELIEF REQUESTS B-4 & B-5)								1	2	3	1	2	3	1	2	3
	B9.11	HPCI	F6C	MS4A BUTT WLD	10" SCH 80	UT	VY-29	H-20									X
	B9.11	HPCI	F7	MS4A BUTT WLD	10" SCH 80	PT		H-20									
	B9.11	HPCI	F7	MS4A BUTT WLD	10" SCH 80	UT	VY-29	H-20									
	B9.31	RECIR	PLR-WA 28	PIPE-NZL WLD	28" NPS	PT		5920-6622	*								X
	B9.31	RECIR	PLR-WA 28	PIPE-NZL WLD	28" NPS	UT	VY-69	5920-6622	*								X
	B9.31	RECIR	AB-1	PIPE-NZL WLD	28" NPS	PT		5920-6622	*					99			
	B9.31	RECIR	AB-1	PIPE-NZL WLD	28" NPS	UT	VY-68	5920-6622	*					99			
	B9.31	RECIR	AB-8	NZL-PIPE WLD	28" NPS	PT		5920-6622	*						X		
	B9.31	RECIR	AB-8	NZL-PIPE WLD	28" NPS	UT	VY-68	5920-6622	*								X
	B9.31	RECIR	PLR-WB 28	PIPE-NZL WLD	28" NPS	PT		5920-6622	*								X
	B9.31	RECIR	PLR-WB 28	PIPE-NZL WLD	28" NPS	UT	VY-69	5920-6622	*								X
	B9.31	RECIR	BB-1	PIPE-NZL WLD	28" NPS	PT		5920-6622	*						X		
	B9.31	RECIR	BB-1	PIPE-NZL WLD	28" NPS	UT	VY-68	5920-6622	*						X		
	B9.31	RECIR	BB-8	NZL-PIPE WLD	28" NPS	PT		5920-6622	*								X
	B9.31	RECIR	BB-8	NZL-PIPE WLD	28" NPS	UT	VY-68	5920-6622	*								X
+	B9.31	MN ST	A5B	MS7A BUTT WLD	6" DIA	PT		H-14					90				
+	B9.31	MN ST	A5B	MS7A BUTT WLD	6" DIA	UT		H-14					90				
+	B9.31	MN ST	A5E	MS7A BUTT WLD	6" DIA	PT		H-14						96			
+	B9.31	MN ST	A5E	MS7A BUTT WLD	6" DIA	UT		H-14						96			
+	B9.31	MN ST	A5H	MS7A BUTT WLD	6" DIA	PT		H-14						96			
+	B9.31	MN ST	A5H	MS7A BUTT WLD	6" DIA	UT		H-14						96			
+	B9.31	MN ST	B5B	MS7B BUTT WLD	6" DIA	PT		H-15			89						
+	B9.31	MN ST	B5B	MS7B BUTT WLD	6" DIA	UT		H-15			89						
+	B9.31	MN ST	B5E	MS7B BUTT WLD	6" DIA	PT		H-15						96			
+	B9.31	MN ST	B5E	MS7B BUTT WLD	6" DIA	UT		H-15						96			

+ Rev 9/Amend 1.

* New Baseline 1986

ITEM	SYSTEM	COMP ID	COMP DESC	SIZE TYPE	METH	CAL BLOCK	DRAWING	INTERVAL 2			INTERVAL 3			INTERVAL 4		
(UTILIZES SELECTION CRITERIA OF 1974/S75 CODE) (SEE RELIEF REQUESTS B-4 & B-5)								1	2	3	1	2	3	1	2	3
B9.31	MN ST	C5B	MS7C BUTT WLD	6' DIA	PT		H-16						99			
B9.31	MN ST	C5B	MS7C BUTT WLD	6' DIA	UT		H-16						99			
B9.31	MN ST	C5E	MS7C BUTT WLD	6' DIA	PT		H-16						99			
B9.31	MN ST	C5E	MS7C BUTT WLD	6' DIA	UT		H-16						99			
B9.31	MN ST	C5H	MS7C BUTT WLD	6' DIA	PT		H-16						X			
B9.31	MN ST	C5H	MS7C BUTT WLD	6' DIA	UT		H-16						X			
B9.31	MN ST	D5B	MS7D BUTT WLD	6' DIA	PT		H-17						X			
B9.31	MN ST	D5B	MS7D BUTT WLD	6' DIA	UT		H-17						X			
B9.31	MN ST	D5E	MS7D BUTT WLD	6' DIA	PT		H-17							X		
B9.31	MN ST	D5E	MS7D BUTT WLD	6' DIA	UT		H-17							X		
B9.31	MN ST	D5H	MS7D BUTT WLD	6' DIA	PT		H-17							X		
B9.31	MN ST	D5H	MS7D BUTT WLD	6' DIA	UT		H-17							X		

RELIEF REQUEST BASIS

Number: B-2

This relief request has been withdrawn and deleted.

RELIEF REQUEST BASIS

Number: B-6

This relief request has been withdrawn and deleted.

SAFETY CLASS 2 COMPONENTS

As allowed by Reg. Guide 1.147, rev 5, the selection, type of inspection, and inspection frequency for Safety Class 2 welds was determined by adopting ASME Code Case N408 and its [N408] exemption criteria. It should be noted that Vermont Yankee does not have safety class 2 Austenitic Stainless Steel welds and therefore no category C-F-1 weld inspections are identified. In addition, the C-F-2 welds listed represent only that fraction of class 2 welds scheduled for inspection, as required by N408, plus an additional selection made available for potential alternate inspections.

Other Safety Class 2 examinations are performed in accordance with ASME Section XI, 1980 Edition, Winter 1980 Addenda, Subsection IWC.

Relief Request Bases to IWC are found in the back portion of this section.

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ITEM	SYSTEM	COMP ID	COMP DESC	SIZE TYPE	METH	CAL STD	DRAWING	INTERVAL 2			INTERVAL 3			INTERVAL 4		
(UTILIZES SELECTION CRITERIA OF CODE CASE N408)								1	2	3	1	2	3	1	2	3
C5.51	FW	FW16-S2	STRUC.DISC.	16' SCH 120	MT		I-27		89			96			X	
C5.51	FW	FW16-S2	STRUC.DISC.	16' SCH 120	UT	VY-25	I-27		89			96			X	
C5.51	FW	FW16-S3	STRUC.DISC.	16' SCH 120	MT		I-27			90			99			X
C5.51	FW	FW16-S3	STRUC.DISC.	16' SCH 120	UT	VY-25	I-27			90			99			X
C5.51	FW	FW17-S7	STRUC.DISC.	16' SCH 120	MT		I-27			93			X			
C5.51	FW	FW17-S7	STRUC.DISC.	16' SCH 120	UT	VY-25	I-27			93			X			
C5.51	FW	FW17-S8	STRUC.DISC.	16' SCH 120	MT		I-27		89			96			X	
C5.51	FW	FW17-S8	STRUC.DISC.	16' SCH 120	UT	VY-25	I-27		89			96			X	
C5.51	RCIC	RC3-S2	STRUC.DISC.	6' STD	MT		I-26A			90			99			X
C5.51	RCIC	RC3-S2	STRUC.DISC.	6' STD	UT	VY-LTR	I-26A			90			99			X
C5.51	RCIC	RC4-T41	TERM.END	8' STD	MT		I-26					93			X	
C5.51	RCIC	RC4-T41	TERM.END	8' STD	UT	VY-51	I-26					93			X	
C5.51	RCIC	RC4-S37	STRUC.DISC.	8' STD	MT		I-26		89			96			X	
C5.51	RCIC	RC4-S37	STRUC.DISC.	8' STD	UT	VY-51	I-26		89			96			X	
C5.51	RCIC	RC4-S39	ALT.STRUC.DISC.	8' STD	MT		I-26									
C5.51	RCIC	RC4-S39	ALT.STRUC.DISC.	8' STD	UT	VY-51	I-26									
C5.51	RCIC	RC4-S32	ALT.STRUC.DISC.	8' STD	MT		I-26									
C5.51	RCIC	RC4-S32	ALT.STRUC.DISC.	8' STD	UT	VY-51	I-26									
C5.51	RCIC	RC4-S25	ALT.STRUC.DISC.	8' STD	MT		I-26									
C5.51	RCIC	RC4-S25	ALT.STRUC.DISC.	8' STD	UT	VY-51	I-26									
C5.51	RCIC	RC7-S45	STRUC.DISC.	6' STD	MT		I-26B			90			99			X
C5.51	RCIC	RC7-S45	STRUC.DISC.	6' STD	UT	VY-LTR	I-26B			90			99			X
C5.51	RCIC	RC7-S51	ALT.STRUC.DISC.	6' STD	MT		I-26B									

ITEM	SYSTEM	COMP ID	COMP DESC	SIZE TYPE	METH	CAL STD	DRAWING	INTERVAL 2			INTERVAL 3			INTERVAL 4		
		(UTILIZES SELECTION CRITERIA OF CODE CASE N408)						1	2	3	1	2	3	1	2	3
C5.51	RCIC	RC7-S51	ALT.STRUC.DISC.	6' STD	UT	VY-LTR	I-26B									
C5.51	RHR	RH1A-S29	STRUC.DISC.	20' STD	MT		I-7A				93			X		
C5.51	RHR	RH1A-S29	STRUC.DISC.	20' STD	UT	VY-61	I-7A				93			X		
C5.51	RHR	RH1C-S31	ALT.STRUC.DISC.	20' STD	MT		I-7A									
C5.51	RHR	RH1C-S31	ALT.STRUC.DISC.	20' STD	UT	VY-61	I-7A									
C5.51	RHR	RH1A-S28	STRUC.DISC.	20' STD	MT		I-7A		89			96			X	
C5.51	RHR	RH1A-S28	STRUC.DISC.	20' STD	UT	VY-61	I-7A		89			96			X	
C5.51	RHR	RH1C-S30	ALT.STRUC.DISC.	20' STD	MT		I-7A									
C5.51	RHR	RH1C-S30	ALT.STRUC.DISC.	20' STD	UT	VY-61	I-7A									
C5.51	RHR	RH1A-S4	STRUC.DISC.	20' STD	MT		I-7A			90			99			X
C5.51	RHR	RH1A-S4	STRUC.DISC.	20' STD	UT	VY-61	I-7A			90			99			X
C5.51	RHR	RH1B-S53	STRUC.DISC.	20' STD	MT		I-7B				93			X		
C5.51	RHR	RH1B-S53	STRUC.DISC.	20' STD	UT	VY-61	I-7B				93			X		
C5.51	RHR	RH1B-S54	ALT.STRUC.DISC.	20' STD	MT		I-7B									
C5.51	RHR	RH1B-S54	ALT.STRUC.DISC.	20' STD	UT	VY-61	I-7B									
C5.51	RHR	RH1D-S55	ALT.STRUC.DISC.	20' STD	MT		I-7B									
C5.51	RHR	RH1D-S55	ALT.STRUC.DISC.	20' STD	UT	VY-61	I-7B									
C5.51	RHR	RH1D-S56	ALT.STRUC.DISC.	20' STD	MT		I-7B									
C5.51	RHR	RH1D-S56	ALT.STRUC.DISC.	20' STD	UT	VY-61	I-7B									
C5.51	RHR	RH2A-T88	TERM.END	18' STD	MT		I-8		89			96			X	
C5.51	RHR	RH2A-T88	TERM.END	18' STD	UT	VY-60	I-8		89			96			X	
C5.51	RHR	RH26-T34	ALT.TERM.END	18' STD	MT		I-8									
C5.51	RHR	RH26-T34	ALT.TERM.END	18' STD	UT	VY-60	I-8									
C5.51	RHR	RH2A-S87	STRUC.DISC.	18' STD	MT		I-8			90			99			X
C5.51	RHR	RH2A-S87	STRUC.DISC.	18' STD	UT	VY-60	I-8			90			99			X
C5.51	RHR	RH2C-S93	ALT.STRUC.DISC.	18' STD	MT		I-8									
C5.51	RHR	RH2C-S93	ALT.STRUC.DISC.	18' STD	UT	VY-60	I-8									

(UTILIZES SELECTION CRITERIA OF CODE CASE N408)

ITEM	SYSTEM	COMP ID	COMP DESC	SIZE TYPE	METH	CAL STD	DRAWING	INTERVAL 2			INTERVAL 3			INTERVAL 4		
								1	2	3	1	2	3	1	2	3
C5.51	RHR	RH2A-S69	STRUC.DISC.	26' STD	MT		I-8				93			X		
C5.51	RHR	RH2A-S69	STRUC.DISC.	26' STD	UT	VY-65	I-8				93			X		
C5.51	RHR	RH2A-S58	ALT.STRUC.DISC.	24' STD	MT		I-8									
C5.51	RHR	RH2A-S58	ALT.STRUC.DISC.	24' STD	UT	VY-62	I-8									
C5.51	RHR	RH2B-T120	TERM.END	18' STD	MT		I-9		89			96			X	
C5.51	RHR	RH2B-T120	TERM.END	18' STD	UT	VY-60	I-9		89			96			X	
C5.51	RHR	RH2D-T128	ALT.TERM.END	18' STD	MT		I-9									
C5.51	RHR	RH2D-T128	ALT.TERM.END	18' STD		VY-60	I-9									
C5.51	RHR	RH2B-S95	STRUC.DISC.	24' STD	MT		I-9		90			99			X	
C5.51	RHR	RH2B-S95	STRUC.DISC.	24' STD	UT	VY-63	I-9		90			99			X	
C5.51	RHR	RH3C-T168	TERM.END	16' SCH 30	MT		I-10A				93			X		
C5.51	RHR	RH3C-T168	TERM.END	16' SCH 30	UT	VY-86	I-10A				93			X		
C5.51	RHR	RH3D-T207	TERM.END	16' SCH 30	MT		I-10B		89			96			X	
C5.51	RHR	RH3D-T207	TERM.END	16' SCH 30	UT	VY-86	I-10B		89			96			X	
C5.51	RHR	RH3A-T129	TERM.END	16' SCH 30	MT		I-10A		90			99			X	
C5.51	RHR	RH3A-T129	TERM.END	16' SCH 30	UT	VY-86	I-10A		90			99			X	
C5.51	RHR	RH3C-T142	ALT.TERM.END	16' SCH 30	MT		I-10A				93			X		
C5.51	RHR	RH3C-T142	ALT.TERM.END	16' SCH 30	UT	VY-86	I-10A				93			X		
C5.51	RHR	RH3D-S206	STRUC.DISC.	16' SCH 30	MT		I-10B		89			96			X	
C5.51	RHR	RH3D-S206	STRUC.DISC.	16' SCH 30	UT	VY-86	I-10B		89			96			X	
C5.51	RHR	RH3D-S204	ALT.STRUC.DISC.	16' SCH 30	MT		I-10B									
C5.51	RHR	RH3D-S204	ALT.STRUC.DISC.	16' SCH 30	UT	VY-86	I-10B									
C5.51	RHR	RH3D-T182	TERM.END	16' SCH 30	MT		I-10B		90			99			X	
C5.51	RHR	RH3D-T182	TERM.END	16' SCH 30	UT	VY-86	I-10B		90			99			X	
C5.51	RHR	RH3B-T169	TERM.END	16' SCH 30	MT		I-10B				93			X		
C5.51	RHR	RH3B-T169	TERM.END	16' SCH 30	UT	VY-86	I-10B				93			X		
C5.51	RHR	RH3D-S200	STRUC.DISC.	16' SCH 30	MT		I-10B		89			96			X	

(UTILIZES SELECTION CRITERIA OF CODE CASE N408)

ITEM	SYSTEM	COMP ID	COMP DESC	SIZE TYPE	METH	CAL STD	DRAWING	INTERVAL 2			INTERVAL 3			INTERVAL 4		
								1	2	3	1	2	3	1	2	3
C5.51	RHR	RH3D-S200	STRUC.DISC.	16' SCH 30	UT	VY-86	I-108		89			96			X	
C5.51	RHR	RH5A-T208	TERM.END	16' SCH 30	MT		I-11		90			99			X	
C5.51	RHR	RH5A-T208	TERM.END	16' SCH 30	UT	VY-86	I-11		90			99			X	
C5.51	RHR	RH5B-T218	ALT.TERM.END	16' SCH 30	MT		I-11									
C5.51	RHR	RH5B-T218	ALT.TERM.END	16' SCH 30	UT	VY-86	I-11									
C5.51	RHR	RH5A-S214	STRUC.DISC.	16' SCH 30	MT		I-11				93			X		
C5.51	RHR	RH5A-S214	STRUC.DISC.	16' SCH 30	UT	VY-86	I-11				93			X		
C5.51	RHR	RH5B-S220	STRUC.DISC.	16' SCH 30	MT		I-11		89			96			X	
C5.51	RHR	RH5B-S220	STRUC.DISC.	16' SCH 30	UT	VY-86	I-11		89			96			X	
C5.51	RHR	RH5A-S217	STRUC.DISC.	20' SCH 30	MT		I-11		90			99			X	
C5.51	RHR	RH5A-S217	STRUC.DISC.	20' SCH 30	UT	VY-62	I-11		90			99			X	
C5.51	RHR	RH5B-S225	ALT.STRUC.DISC.	20' SCH 30	MT		I-11									
C5.51	RHR	RH5B-S225	ALT.STRUC.DISC.	20' SCH 30	UT	VY-62	I-11									
C5.51	RHR	RH6-S252	STRUC.DISC.	24' SCH 30	MT		I-12				93			X		
C5.51	RHR	RH6-S252	STRUC.DISC.	24' SCH 30	UT	VY-64	I-12				93			X		
C5.51	RHR	RH6-S233	STRUC.DISC.	20' SCH 30	MT		I-12		89			96			X	
C5.51	RHR	RH6-S233	STRUC.DISC.	20' SCH 30	UT	VY-62	I-12		89			96			X	
C5.51	RHR	RH6-S231	STRUC.DISC.	20' SCH 30	MT		I-12		90			99			X	
C5.51	RHR	RH6-S231	STRUC.DISC.	20' SCH 30	UT	VY-62	I-12		90			99			X	
C5.51	RHR	RH6-S226	STRUC.DISC.	20' SCH 30	MT		I-12				93			X		
C5.51	RHR	RH6-S226	STRUC.DISC.	20' SCH 30	UT	VY-62	I-12				93			X		
C5.51	RHR	RH7-S261	STRUC.DISC.	20' SCH 30	MT		I-13		89			96			X	
C5.51	RHR	RH7-S261	STRUC.DISC.	20' SCH 30	UT	VY-62	I-13		89			96			X	
C5.51	RHR	RH8-S234	STRUC.DISC.	20' SCH 30	MT		I-14		90			99			X	
C5.51	RHR	RH8-S234	STRUC.DISC.	20' SCH 30	UT	VY-64	I-14		90			99			X	
C5.51	RHR	RH7-S287	STRUC.DISC.	24' SCH 30	MT		I-14				93			X		
C5.51	RHR	RH7-S287	STRUC.DISC.	24' SCH 30	UT	VY-64	I-14				93			X		

ITEM	SYSTEM	COMP ID	COMP DESC	SIZE TYPE	METH	CAL STD	DRAWING	INTERVAL 2			INTERVAL 3			INTERVAL 4		
		(UTILIZES SELECTION CRITERIA OF CODE CASE N408)						1	2	3	1	2	3	1	2	3
C5.51	RHR	RH9-S320	STRUC.DISC.	12' STD	MT		I-15		89			96			X	
C5.51	RHR	RH9-S320	STRUC.DISC.	12' STD	UT	VY-54	I-15		89			96			X	
C5.51	RHR	RH9-S321	STRUC.DISC.	12' STD	MT		I-15			90			99			X
C5.51	RHR	RH9-S321	STRUC.DISC.	12' STD	UT	VY-54	I-15			90			99			X
C5.51	RHR	RH9-S300	STRUC.DISC.	16' STD	MT		I-15				93			X		
C5.51	RHR	RH9-S300	STRUC.DISC.	16' STD	UT	VY-87	I-15				93			X		
C5.51	RHR	RH14-T373	TERM.END	12' STD	MT		I-16		89			96			X	
C5.51	RHR	RH14-T373	TERM.END	12' STD	UT	VY-54	I-16		89			96			X	
C5.51	RHR	RH14-S356	STRUC.DISC.	14' STD	MT		I-16			90			99			X
C5.51	RHR	RH14-S356	STRUC.DISC.	14' STD	UT	VY-57	I-16			90			99			X
C5.51	RHR	RH15-S383	STRUC.DISC.	12' STD	MT		I-16				93			X		
C5.51	RHR	RH15-S383	STRUC.DISC.	12' STD	UT	VY-54	I-16				93			X		
C5.51	RHR	RH20-S386	STRUC.DISC.	12' STD	MT		I-16A		89			96			X	
C5.51	RHR	RH20-S386	STRUC.DISC.	12' STD	UT	VY-54	I-16A		89			96			X	
C5.51	RHR	RH40-S437	STRUC.DISC.	8' STD	MT		I-17			90			99			X
C5.51	RHR	RH40-S437	STRUC.DISC.	8' STD	UT	VY-51	I-17			90			99			X
C5.51	RHR	RH40-S439	STRUC.DISC.	8' STD	MT		I-17				93			X		
C5.51	RHR	RH40-S439	STRUC.DISC.	8' STD	UT	VY-51	I-17				93			X		
C5.51	RHR	RH40-S440	STRUC.DISC.	8' STD	MT		I-17		89			96			X	
C5.51	RHR	RH40-S440	STRUC.DISC.	8' STD	UT	VY-51	I-17		89			96			X	
C5.51	RHR	RH39-S436	STRUC.DISC.	8' STD	MT		I-18			90			99			X
C5.51	RHR	RH39-S436	STRUC.DISC.	8' STD	UT	VY-51	I-18			90			99			X
C5.51	HPCI	HP1-S5	STRUC.DISC.	16' STD	MT		I-5A				93			X		
C5.51	HPCI	HP1-S5	STRUC.DISC.	16' STD	UT	VY-LTR	I-5A				93			X		
C5.51	HPCI	HP1-S6	STRUC.DISC.	16' STD	MT		I-5A		89			96			X	
C5.51	HPCI	HP1-S6	STRUC.DISC.	16' STD	UT	VY-LTR	I-5A		89			96			X	
C5.51	HPCI	HP1-S10	ALT.STRUC.DISC.	16' STD	UT	VY-LTR	I-5A									

ITEM	SYSTEM	COMP ID	COMP DESC	SIZE TYPE	METH	CAL STD	DRAWING	INTERVAL 2			INTERVAL 3			INTERVAL 4		
		(UTILIZES SELECTION CRITERIA OF CODE CASE N408)						1	2	3	1	2	3	1	2	3
C5.51	HPCI	HP1-T14	TERM.END	16' STD	MT		I-5A			[90]			[99]			X
C5.51	HPCI	HP1-T14	TERM.END	16' STD	UT	VY-LTR	I-5A			[90]			[99]			X
C5.51	HPCI	HP18-T15	TERM.END	10' SCH 100	MT		I-5				[93]			X		
C5.51	HPCI	HP18-T15	TERM.END	10' SCH 100	UT	VY-53	I-5				[93]			X		
C5.51	HPCI	HP2-S16	ALT.STRUC.DISC.	14' SCH 80	MT		I-5									
C5.51	HPCI	HP2-S16	ALT.STRUC.DISC.	14' SCH 80	UT	VY-58	I-5									
C5.51	HPCI	HP2-S17	ALT.STRUC.DISC.	14' SCH 80	MT		I-5									
C5.51	HPCI	HP2-S17	ALT.STRUC.DISC.	14' SCH 80	UT	VY-58	I-5									
C5.51	HPCI	HP3-T33	STRUC.DISC.	18' STD	MT		I-3		[89]			[96]			X	
C5.51	HPCI	HP3-T33	STRUC.DISC.	18' STD	UT	VY-60	I-3		[89]			[96]			X	
C5.51	HPCI	HP3-S34	ALT.STRUC.DISC.	18' STD	MT		I-3									
C5.51	HPCI	HP3-S34	ALT.STRUC.DISC.	18' STD	UT	VY-60	I-3									
C5.51	HPCI	HP3-S44	ALT.STRUC.DISC.	18' STD	MT		I-3									
C5.51	HPCI	HP3-S44	ALT.STRUC.DISC.	18' STD	UT	VY-60	I-3									
C5.51	HPCI	HP3-S49	ALT.STRUC.DISC.	20' STD	MT		I-3									
C5.51	HPCI	HP3-S49	ALT.STRUC.DISC.	20' STD	UT	VY-61	I-5B									
C5.51	HPCI	HP3-S54	ALT.STRUC.DISC.	20' STD	MT		I-5B									
C5.51	HPCI	HP3-S54	ALT.STRUC.DISC.	20' STD	UT	VY-61	I-3									
C5.51	HPCI	HP4-S67	STRUC.DISC.	16' STD	MT		I-5B			[90]			[99]			X
C5.51	HPCI	HP4-S67	STRUC.DISC.	16' STD	UT	VY-LTR	I-5B			[90]			[99]			X
C5.51	HPCI	HP4-S69	ALT.STRUC.DISC.	16' STD	MT		I-5B									
C5.51	HPCI	HP4-S69	ALT.STRUC.DISC.	16' STD	UT	VY-LTR	I-5B									
C5.51	HPCI	HP4-S87	ALT.STRUC.DISC.	16' STD	MT		I-5B									
C5.51	HPCI	HP4-S87	ALT.STRUC.DISC.	16' STD	UT	VY-LTR	I-5B									
C5.51	HPCI	HP5-S93	STRUC.DISC.	10' SCH 120	MT		I-5C				[93]			X		

ITEM	SYSTEM	COMP ID	COMP DESC	SIZE TYPE	METH	CAL STD	DRAWING	INTERVAL 1	INTERVAL 2	INTERVAL 3	INTERVAL 4
		(UTILIZES SELECTION CRITERIA OF CODE CASE N408)						1 2 3	1 2 3	1 2 3	1 2 3
C5.51	HPCI	HP5-S93	STRUC.DISC.	10' SCH 120	UT	VY-23	I-5C	| | |	|93| |	|X | |	| |
C5.51	HPCI	HP14A-S98	ALT.STRUC.DISC.	16' STD	MT		I-5D	| | |	| | |	| | |	| |
C5.51	HPCI	HP14A-S98	ALT.STRUC.DISC.	16' STD	UT	VY-LTR	I-5D	| | |	| | |	| | |	| |
C5.51	HPCI	HP15B-S103	STRUC.DISC.	14' STD	MT		I-4G	| |89| |	|96| |	|X | |	| |
C5.51	HPCI	HP15B-S103	STRUC.DISC.	14' STD	UT	VY-57	I-4G	| |89| |	|96| |	|X | |	| |
C5.51	HPCI	HP15B-S104	ALT.STRUC.DISC.	14' STD	MT		I-4	| | |	| | |	| | |	| |
C5.51	HPCI	HP15B-S104	ALT.STRUC.DISC.	14' STD	UT	VY-57	I-4	| | |	| | |	| | |	| |
C5.51	HPCI	HP15B-S125	STRUC.DISC.	14' STD	MT		I-4	| | |90| |	| |99| |	| |X |	| |
C5.51	HPCI	HP15B-S125	STRUC.DISC.	14' STD	UT	VY-57	I-4	| | |90| |	| |99| |	| |X |	| |
C5.51	HPCI	HP15B-S127	STRUC.DISC.	14' STD	MT		I-4	| | |	|93| |	|X | |	| |
C5.51	HPCI	HP15B-S127	STRUC.DISC.	14' STD	UT	VY-57	I-4	| | |	|93| |	|X | |	| |
C5.51	HPCI	MS4B-S147	ALT.STRUC.DISC.	10' SCH 80	MT		I-2	| | |	| | |	| | |	| |
C5.51	HPCI	MS4B-S147	ALT.STRUC.DISC.	10' SCH 80	UT	VY-29	I-2	| | |	| | |	| | |	| |
C5.51	HPCI	MS4B-S188	STRUC.DISC.	10' SCH 80	MT		I-2	| |89| |	|96| |	|X | |	| |
C5.51	HPCI	MS4B-S188	STRUC.DISC.	10' SCH 80	UT	VY-29	I-2	| |89| |	|96| |	|X | |	| |
C5.51	HPCI	MS4B-S189	ALT.STRUC.DISC.	10' SCH 80	MT		I-2	| | |	| | |	| | |	| |
C5.51	HPCI	MS4B-S189	ALT.STRUC.DISC.	10' SCH 80	UT	VY-29	I-2	| | |	| | |	| | |	| |
C5.51	HPCI	MS4B-S193	STRUC.DISC.	10' SCH 80	MT		I-2	| | |90| |	| |99| |	| |X |	| |
C5.51	HPCI	MS4B-S193	STRUC.DISC.	10' SCH 80	UT	VY-29	I-2	| | |90| |	| |99| |	| |X |	| |
C5.51	HPCI	BPMP-T194	TERM.END		MT		I-4A	| | |	|93| |	|X | |	| |
C5.51	HPCI	BPMP-T194	TERM.END		UT	VY-LTR	I-4A	| | |	|93| |	|X | |	| |
C5.51	HPCI	BPMP-T199	ALT.TERM.END		MT		I-4A	| | |	| | |	| | |	| |
C5.51	HPCI	BPMP-T199	ALT.TERM.END		UT		I-4A	| | |	| | |	| | |	| |
C5.51	CS	CS1A-T1	TERM.END	12' STD	MT		I-6C	| |89| |	|96| |	|X | |	| |
C5.51	CS	CS1A-T1	TERM.END	12' STD	UT	VY-54	I-6C	| |89| |	|96| |	|X | |	| |
C5.51	CS	CS1A-S8	STRUC.DISC.	12' STD	MT		I-6C	| | |90| |	| |99| |	| |X |	| |

ITEM	SYSTEM	COMP ID	COMP DESC	SIZE TYPE	METH	CAL STD	DRAWING	INTERVAL 2			INTERVAL 3			INTERVAL 4		
(UTILIZES SELECTION CRITERIA OF CODE CASE N408)								1	2	3	1	2	3	1	2	3
C5.51	CS	CS1A-S8	STRUC.DISC.	12' STD	UT	VY-54	I-6C			90			99			X
C5.51	CS	CS1A-S13	STRUC.DISC.	12' STD	MT		I-6C				93			X		
C5.51	CS	CS1A-S13	STRUC.DISC.	12' STD	UT	VY-54	I-6C				93			X		
C5.51	CS	CS1A-S15	ALT.STRUC.DISC.	12' STD	MT		I-6C									
C5.51	CS	CS1A-S15	ALT.STRUC.DISC.	12' STD	UT	VY-54	I-6C									
C5.51	CS	CS1A-S16	ALT.STRUC.DISC.	12' STD	MT		I-16C									
C5.51	CS	CS1A-S16	ALT.STRUC.DISC.	12' STD	UT	VY-54	I-16C									
C5.51	CS	CS1B-T18	TERM.END	12' STD	MT		I-6D		89			96			X	
C5.51	CS	CS1B-T18	TERM.END	12' STD	UT	VY-54	I-6D		89			96			X	
C5.51	CS	CS1B-S26A	STRUC.DISC.	12' STD	MT		I-6D			90			99			X
C5.51	CS	CS1B-S26A	STRUC.DISC.	12' STD	UT	VY-54	I-6D			90			99			X
C5.51	CS	CS1B-S26	STRUC.DISC.	12' STD	MT		I-6D				93			X		
C5.51	CS	CS1B-S26	STRUC.DISC.	12' STD	UT	VY-54	I-6D				93			X		
C5.51	CS	CS1B-S30	STRUC.DISC.	12' STD	MT		I-6D		89			96			X	
C5.51	CS	CS1B-S30	STRUC.DISC.	12' STD	UT	VY-54	I-6D		89			96			X	
C5.51	CS	CS1B-S32	ALT.STRUC.DISC.	12' STD	MT		I-6D									
C5.51	CS	CS1B-S32	ALT.STRUC.DISC.	12' STD	UT	VY-54	I-6D									
C5.51	CS	CS1B-S33	ALT.STRUC.DISC.	12' STD	MT		I-6D									
C5.51	CS	CS1B-S33	ALT.STRUC.DISC.	12' STD	UT	VY-54	I-6D									
C5.51	CS	CS2A-T35	ALT.TERM.END	10' STD	MT		I-6A									
C5.51	CS	CS2A-T35	ALT.TERM.END	10' STD	UT	VY-52	I-6A									
C5.51	CS	CS2A-S36	STRUC.DISC.	10' STD	MT		I-6A			90			99			X
C5.51	CS	CS2A-S36	STRUC.DISC.	10' STD	UT	VY-52	I-6A			90			99			X
C5.51	CS	CS2A-S58	STRUC.DISC.	10' STD	MT		I-6A				93			X		
C5.51	CS	CS2A-S58	STRUC.DISC.	10' STD	UT	VY-52	I-6A				93			X		
C5.51	CS	CS3A-S75	ALT.STRUC.DISC.	8' SCH 80	MT		I-6A									
C5.51	CS	CS3A-S75	ALT.STRUC.DISC.	8' SCH 80	UT	VY-51	I-6A									

(UTILIZES SELECTION CRITERIA OF CODE CASE N408)

ITEM	SYSTEM	COMP ID	COMP DESC	SIZE TYPE	METH	CAL STD	DRAWING	INTERVAL 2			INTERVAL 3			INTERVAL 4		
								1	2	3	1	2	3	1	2	3
C5.51	CS	CS2B-I77	ALT.TERM.EMD	10' STD	MT		I-6B									
C5.51	CS	CS2B-I77	ALT.TERM.EMD	10' STD	UT	VY-52	I-6B									
C5.51	CS	CS2B-S78	ALT.STRUC.DISC.	10' STD	MT		I-6B									
C5.51	CS	CS2B-S78	ALT.STRUC.DISC.	10' STD	UT	VY-52	I-6B									
C5.51	CS	CS2B-S100	ALT.STRUC.DISC.	10' STD	MT		I-6B									
C5.51	CS	CS2B-S100	ALT.STRUC.DISC.	10' STD	UT	VY-52	I-6B									
C5.51	CS	CS2B-S103	ALT.STRUC.DISC.	10' STD	MT		I-6B									
C5.51	CS	CS2B-S103	ALT.STRUC.DISC.	10' STD	UT	VY-52	I-6B									
C5.51	CS	CS3B-S114	STRUC.DISC.	8' SCH 80	MT		I-6B		89			96			X	
C5.51	CS	CS3B-S114	STRUC.DISC.	8' SCH 80	UT	VY-51	I-6B		89			96			X	
C5.51	CS	CS6A-S116	STRUC.DISC.	8' STD	MT		I-6A			90			99			X
C5.51	CS	CS6A-S116	STRUC.DISC.	8' STD	UT	VY-51	I-6A			90			99			X
C5.51	CS	CS6B-S120	ALT.STRUC.DISC.	8' STD	MT		I-6B									
C5.51	CS	CS6B-S120	ALT.STRUC.DISC.	8' STD	UT	VY-51	I-6B									
C5.51	CRD	CR4-P2	N INST VOL	10' SCH 80	MT		I-19		89			96			X	
C5.51	CRD	CR4-P2	N INST VOL	10' SCH 80	UT	VY-29	I-19		89			96			X	
C5.51	CRD	CR4A-T5	S INST VOL	10' SCH 80	MT		I-19			90			99			X
C5.51	CRD	CR4A-T5	S INST VOL	10' SCH 80	UT	VY-29	I-19			90			99			X
C5.51	CRD	CR4A-T7	S INST VOL	10' SCH 80	MT		I-19				93			X		
C5.51	CRD	CR4A-T7	S INST VOL	10' SCH 80	UT	VY-29	I-19				93			X		
C5.51	CRD	CR6-T10	ALT.TERM.EMD	6' SCH 80	MT		I-24		89			96			X	
C5.51	CRD	CR6-T10	ALT.TERM.EMD	6' SCH 80	UT	VY-50	I-24		89			96			X	
C5.51	CRD	CR6-S22	STRUC.DISC.	6' SCH 80	MT		I-24			90			99			X
C5.51	CRD	CR6-S22	STRUC.DISC.	6' SCH 80	UT	VY-50	I-24			90			99			X
C5.51	CRD	CR6-P23	ALT.STRUC.DISC.	6' SCH 80	MT		I-23									
C5.51	CRD	CR6-P23	ALT.STRUC.DISC.	6' SCH 80	UT	VY-50	I-23									
C5.51	CRD	CR6-S27	ALT.STRUC.DISC.	6' SCH 80	UT	VY-50	I-23									

ITEM	SYSTEM	COMP ID	COMP DESC	SIZE TYPE	METH	CAL STD	DRAWING	INTERVAL 2			INTERVAL 3			INTERVAL 4		
			(UTILIZES SELECTION CRITERIA OF CODE CASE N408)					1	2	3	1	2	3	1	2	3
C5.51	CRD	CR5-S27	ALT.STRUC.DISC.	6' SCH 80	MT		I-23									
C5.51	CRD	CR5-T31	ALT.TERM.END	6' SCH 80	MT		I-25									
C5.51	CRD	CR5-T31	ALT.TERM.END	6' SCH 80	UT	VY-50	I-25									
C5.51	CRD	CR5-P42	ALT.STRUC.DISC.	6' SCH 80	MT		I-23									
C5.51	CRD	CR5-P42	ALT.STRUC.DISC.	6' SCH 80	UT	VY-50	I-23									
C5.51	CRD	CR5-S46	STRUC.DISC.	6' SCH 80	MT		I-23				93			X		
C5.51	CRD	CR5-S46	STRUC.DISC.	6' SCH 80	UT	VY-50	I-23				93			X		
C5.51	CST	CT4-S4	ALT.STRUC.DISC.	12' STD	MT		I-31									
C5.51	CST	CT4-S4	ALT.STRUC.DISC.	12' STD	UT	VY-54	I-31									
C5.51	CST	CT4-S5	ALT.STRUC.DISC.	12' STD	MT		I-31									
C5.51	CST	CT4-S5	ALT.STRUC.DISC.	12' STD	UT	VY-54	I-31									
C5.51	CST	CT4-S23	ALT.STRUC.DISC.	12' STD	MT		I-31									
C5.51	CST	CT4-S23	ALT.STRUC.DISC.	12' STD	UT	VY-54	I-31									
C5.51	CST	CT4-S25	STRUC.DISC.	12' STD	MT		I-31		89			96			X	
C5.51	CST	CT4-S25	STRUC.DISC.	12' STD	UT	VY-54	I-31		89			96			X	
C5.51	CST	CT4-S30	STRUC.DISC.	12' STD	MT		I-31			90			99			X
C5.51	CST	CT4-S30	STRUC.DISC.	12' STD	UT	VY-54	I-31			90			99			X
C5.51	CST	CT4-S33	ALT.STRUC.DISC.	10' STD	MT		I-31									
C5.51	CST	CT4-S33	ALT.STRUC.DISC.	10' STD	UT	VY-54	I-31									
C5.51	PCAC	AC1-T1	TERM.END	18' STD	MT		I-32				93			X		
C5.51	PCAC	AC1-T1	TERM.END	18' STD	UT	VY-60	I-32				93			X		
C5.51	PCAC	AC1-S2	ALT.STRUC.DISC.	18' STD	MT		I-32									
C5.51	PCAC	AC1-S2	ALT.STRUC.DISC.	18' STD	UT	VY-60	I-32									
C5.51	PCAC	AC2-S25	STRUC.DISC.	18' STD	MT		I-32		89			96			X	
C5.51	PCAC	AC2-S25	STRUC.DISC.	18' STD	UT	VY-60	I-32		89			96			X	
C5.51	PCAC	AC2-S26	ALT.STRUC.DISC.	18' STD	MT		I-32									
C5.51	PCAC	AC2-S26	ALT.STRUC.DISC.	18' STD	UT	VY-60	I-32									

ITEM	SYSTEM	COMP ID	COMP DESC	SIZE TYPE	METH	CAL STD	DRAWING	INTERVAL 2			INTERVAL 3			INTERVAL 4		
		(UTILIZES SELECTION CRITERIA OF CODE CASE N408)						1	2	3	1	2	3	1	2	3
C5.51	PCAC	AC5-T34	TERM.END	18' STD	MT		I-32			90			99			X
C5.51	PCAC	AC5-T34	TERM.END	18' STD	UT	VY-60	I-32			90			99			X
C5.51	PCAC	AC11-S50	STRUC.DISC.	20' STD	MT		I-33				93			X		
C5.51	PCAC	AC11-S50	STRUC.DISC.	20' STD	UT	VY-64	I-33				93			X		
C5.51	PCAC	AC13-S53	ALT.STRUC.DISC.	20' STD	MT		I-33									
C5.51	PCAC	AC13-S53	ALT.STRUC.DISC.	20' STD	UT	VY-61	I-33									
C5.51	PCAC	AC13-S56	ALT.STRUC.DISC.	20' STD	MT		I-33									
C5.51	PCAC	AC13-S56	ALT.STRUC.DISC.	20' STD	UT	VY-61	I-33									
C5.51	PCAC	AC13-T57	TERM.END	20' STD	MT		I-33		89			96			X	
C5.51	PCAC	AC13-T57	TERM.END	20' STD	UT	VY-61	I-33		89			96			X	
C5.51	PCAC	AC15-S64	ALT.STRUC.DISC.	18' STD	MT		I-33									
C5.51	PCAC	AC15-S64	ALT.STRUC.DISC.	18' STD	UT	VY-60	I-33									
C5.51	PCAC	AC15-T65	TERM.END	18' STD	MT		I-33			90			99			X
C5.51	PCAC	AC15-T65	TERM.END	18' STD	UT	VY-60	I-33			90			99			X
C5.51	PCAC	SG14-S66	STRUC.DISC.	8' STD	MT		I-34				93			X		
C5.51	PCAC	SG14-S66	STRUC.DISC.	8' STD	UT	VY-51	I-34				93			X		
C5.51	PCAC	SG14-S84	ALT.STRUC.DISC.	8' STD	MT		I-34		89			96			X	
C5.51	PCAC	SG14-S84	ALT.STRUC.DISC.	8' STD	UT		I-34		89			96			X	
C5.51	PCAC	SG1B-S85	STRUC.DISC.		MT		I-35			90			99			X
C5.51	PCAC	SG1B-S85	STRUC.DISC.		UT		I-35			90			99			X
C5.51	PCAC	SG1B-S87	STRUC.DISC.		MT		I-35				93			X		
C5.51	PCAC	SG1B-S87	STRUC.DISC.		UT		I-35				93			X		
C5.51	PCAC	SG1B-S92	ALT.STRUC.DISC.		MT		I-35		89			96			X	
C5.51	PCAC	SG1B-S92	ALT.STRUC.DISC.		UT		I-35		89			96			X	

ITEM	SYSTEM	COMP ID	COMP DESC	METH	DRAWING	INTERVAL 2			INTERVAL 3			INTERVAL 4		
(SEE RELIEF REQUEST C-3)						1	2	3	1	2	3	1	2	3
F1,2,3	CS	P-46-1A	CS PUMP	VT-3		X			X			X		
F1,2,3	CS	P-46-1B	CS PUMP	VT-3			X			X			X	
F1,2,3	RHR	P-10-1A	RHR PUMP	VT-3				X			X			X
F1,2,3	RHR	P-10-1B	RHR PUMP	VT-3		X			X			X		
F1,2,3	RHR	P-10-1C	RHR PUMP	VT-3			X			X			X	
F1,2,3	RHR	P-10-1D	RHR PUMP	VT-3				X			X			X
F1,2,3	CS	H-47	RIGID HANG	VT-3	I-6A			X			X			X
F1,2,3	CS	HD-61C	RIGID HANG	VT-3	I-6A	X			X			X		
F1,2,3	CS	HD-90A	RIGID HANG	VT-3	I-6A		X			X			X	
F1,2,3	CS	HD-90B	RIGID HANG	VT-3	I-6A			X			X			X
F1,2,3	CS	H-48	RIGID HANG	VT-3	I-6A	X			X			X		
F1,2,3	CS	H-49	RIGID REST	VT-3	I-6A		X			X			X	
F1,2,3	CS	H-54	RIGID HANG	VT-3	I-6A			X			X			X
F1,2,3	CS	HD-52A	SPRING CAN	VT-3	I-6A	X			X			X		
F4	CS	HD-52A	SPRING CAN	VT-4	I-6A	X			X			X		
F1,2,3	CS	HD-52B	SPRING CAN	VT-3	I-6A		X			X			X	
F4	CS	HD-52B	SPRING CAN	VT-4	I-6A		X			X			X	
F1,2,3	CS	HD-89	SPRING CAN	VT-3	I-6A			X			X			X
F4	CS	HD-89	SPRING CAN	VT-4	I-6A			X			X			X
F1,2,3	CS	HD-61B	SPRING CAN	VT-4	I-6A	X			X			X		
F4	CS	HD-61B(R)	SPRING CAN	VT-4	I-6A	X			X			X		
F4	CS	HD-61B(L)	SPRING CAN	VT-4	I-6A	X			X			X		
F1,2,3	CS	CS-HD-90C	HYD SNUB	VT-4	I-6A		X			X			X	
F4	CS	CS-HD-90C	HYD SNUB	VT-4	I-6A		X			X			X	
F1,2,3	CS	HD-54G	RIGID HANG	VT-3	I-6A			X			X			X
F1,2,3	CS	HD-61A	RIGID HANG	VT-3	I-6A	X			X			X		
F1,2,3	CS	H-52	RIGID REST	VT-3	I-6A		X			X			X	

ITEM	SYSTEM	COMP ID	COMP DESC	METH	DRAWING	INTERVAL 2			INTERVAL 3			INTERVAL 4		
(SEE RELIEF REQUEST C-3)						1	2	3	1	2	3	1	2	3
F1,2,3	CS	H-89	RIGID REST	VT-3	I-6A			X			X			X
F1,2,3	CS	H-61	RIGID REST	VT-3	I-6A	X			X			X		
F1,2,3	CS	H-90	RIGID REST	VT-3	I-6A		X			X			X	
F1,2,3	CS	HD-85D	RIGID HANG	VT-3	I-6B			X			X			X
F1,2,3	CS	HD-55B	RIGID HANG	VT-3	I-6B			X			X			X
F1,2,3	CS	H-46	RIGID HANG	VT-3	I-6B	X			X			X		
F1,2,3	CS	HD-46	RIGID HANG	VT-3	I-6B		X			X			X	
F1,2,3	CS	H-56	RIGID REST	VT-3	I-6B	X			X			X		
F1,2,3	CS	H-45	RIGID REST	VT-3	I-6B			X			X			X
F1,2,3	CS	H-42	RIGID REST	VT-3	I-6B	X			X			X		
F1,2,3	CS	H-43	RIGID HANG	VT-3	I-6B			X			X			X
F1,2,3	CS	HD-42	RIGID HANG	VT-3	I-6B			X			X			X
F1,2,3	CS	HD-85C	RIGID REST	VT-4	I-6B			X			X			X
F1,2,3	CS	H-84	RIGID REST	VT-4	I-6b			X			X			X
F1,2,3	CS	H-55	CONST WGT SUP	VT-4	I-6B			X			X			X
F1,2,3	HPCI	HD-3	SPRING CAN	VT-3	I-2	X			X			X		
F4	HPCI	HD-3	SPRING CAN	VT-4	I-2	X			X			X		
F1,2,3	HPCI	H-6	RIGID HANG	VT-3	I-2		X			X			X	
F1,2,3	HPCI	H-8	RIGID HANG	VT-3	I-2			X			X			X
F1,2,3	HPCI	HD-102DN	HYD SNUB	VT-3	I-2	X			X			X		
F4	HPCI	HD-102DN	HYD SNUB	VT-4	I-2	X			X			X		
F1,2,3	HPCI	HD-8A	RIGID HANG	VT-3	I-2		X			X			X	
F1,2,3	HPCI	HD-13D	RIGID HANG	VT-3	I-2			X			X			X
F1,2,3	HPCI	HD-102EN	HYD SNUB	VT-3	I-2	X			X			X		
F4	HPCI	HD-102EN	HYD SNUB	VT-4	I-2	X			X			X		
F1,2,3	HPCI	H-13	RIGID HANG	VT-3	I-2			X			X			X
F1,2,3	HPCI	HD-102D	RIGID HANG	VT-3	I-2	X			X					X

ITEM	SYSTEM	COMP ID	COMP DESC	METH	DRAWING	INTERVAL 2			INTERVAL 3			INTERVAL 4		
		(SEE RELIEF RREQUEST C-3)				1	2	3	1	2	3	1	2	3
F4	HPCI	HD-107B	SPRING CAN	VT-4	I-3	X			X			X		
F1,2,3	HPCI	H-107	RIGID HANG	VT-3	I-3		X			X			X	
F1,2,3	HPCI	H-108	RIGID REST	VT-3	I-3			X			X			X
F1,2,3	HPCI	HD-103	SPRING CAN	VT-3	I-3		X			X			X	
F4	HPCI	HD-103	SPRING CAN	VT-4	I-3		X			X			X	
F1,2,3	HPCI	H-5	SPRING CAN	VT-3	I-4	X			X			X		
F4	HPCI	H-5	SPRING CAN	VT-4	I-4	X			X			X		
F1,2,3	HPCI	H-31	RIGID HANG	VT-3	I-4		X			X			X	
F1,2,3	HPCI	H-35	RIGID HANG	VT-3	I-4			X			X			X
F1,2,3	HPCI	HD-35A	RIGID HANG	VT-3	I-4	X			X			X		
F1,2,3	HPCI	RCWH128	SPRING CAN	VT-3	I-4	X			X			X		
F4	HPCI	RCWH128	SPRING CAN	VT-4	I-4	X			X			X		
F1,2,3	HPCI	HD-200	RIGID HANG	VT-3	I-4		X			X			X	
F1,2,3	HPCI	H-32	RIGID REST	VT-3	I-4		X			X			X	
F1,2,3	HPCI	HD-35D	SPRING CAN	VT-3	I-4	X			X			X		
F4	HPCI	HD-35D	SPRING CAN	VT-4	I-4	X			X			X		
F1,2,3	HPCI	HD-35C	SPRING CAN	VT-3	I-4		X			X			X	
F4	HPCI	HD-35C	SPRING CAN	VT-4	I-4		X			X			X	
F1,2,3	HPCI	HD-22D	RIGID HANG	VT-3	I-4		X			X			X	
F1,2,3	HPCI	HD-35B	SPRING CAN	VT-3	I-4	X			X			X		
F4	HPCI	HD-35B	SPRING CAN	VT-4	I-4	X			X			X		
F1,2,3	HPCI	HD-22B	SPRING CAN	VT-3	I-4		X			X			X	
F4	HPCI	HD-22B	SPRING CAN	VT-4	I-4		X			X			X	
F1,2,3	HPCI	HD-201	RIGID HANG	VT-3	I-4A		X			X			X	
F1,2,3	HPCI	HD-26B	SPRING CAN	VT-3	I-5	X			X			X		
F4	HPCI	HD-26B	SPRING CAN	VT-4	I-5	X			X			X		
F1,2,3	HPCI	H-26	RIGID REST	VT-3	I-5		X			X			X	

ITEM	SYSTEM	COMP ID	COMP DESC	METH	DRAWING	INTERVAL 2			INTERVAL 3			INTERVAL 4		
(SEE RELIEF REQUEST C-3)						1	2	3	1	2	3	1	2	3
F1,2,3	HPCI	HD-103EN	HYD SNUB	VT-3	I-2	X			X			X		
F4	HPCI	HD-103EN	HYD SNUB	VT-4	I-2	X			X			X		
F1,2,3	HPCI	HD-103EN	HYD SNUB	VT-3	I-2	X			X			X		
F4	HPCI	HD-103EN	HYD SNUB	VT-4	I-2	X			X			X		
F1,2,3	HPCI	H-103B	HYD SNUB	VT-3	I-2	X			X			X		
F4	HPCI	H-103B	RIGID HANG	VT-4	I-2	X			X			X		
F1,2,3	HPCI	H-3	RIGID HANG	VT-3	I-2		X			X			X	
F1,2,3	HPCI	HD-6	SPRING CAN	VT-3	I-2	X			X			X		
F4	HPCI	HD-6	SPRING CAN	VT-4	I-2	X			X			X		
F1,2,3	HPCI	HD-8C	SPRING CAN	VT-3	I-2		X			X			X	
F4	HPCI	HD-8C	SPRING CAN	VT-4	I-2		X			X			X	
F1,2,3	HPCI	HD-13B	CONST WGT SUP	VT-3	I-2		X			X			X	
F1,2,3	HPCI	HD-103GN	HYD SNUB	VT-3	I-2	X			X			X		
F4	HPCI	HD-103GN	SPRING CAN	VT-4	I-2	X			X			X		
F1,2,3	HPCI	HD-103A	SPRING CAN	VT-3	I-2		X			X			X	
F4	HPCI	HD-103A	SPRING CAN	VT-4	I-2		X			X			X	
F1,2,3	HPCI	H-A10	RIGID HANG	VT-3	I-2		X			X			X	
F1,2,3	HPCI	HD-107A	SPRING CAN	VT-3	I-3		X			X			X	
F4	HPCI	HD-107A	SPRING CAN	VT-4	I-3		X			X			X	
F1,2,3	HPCI	H-39	RIGID REST	VT-3	I-3		X			X			X	
F1,2,3	HPCI	HD-39	SPRING CAN	VT-3	I-3	X			X			X		
F4	HPCI	HD-39	SPRING CAN	VT-4	I-3	X			X			X		
F1,2,3	HPCI	HD-107C	SPRING CAN	VT-3	I-3		X			X			X	
F4	HPCI	HD-107C	SPRING CAN	VT-4	I-3		X			X			X	
F1,2,3	HPCI	HD-108B	SPRING CAN	VT-3	I-3		X			X			X	
F4	HPCI	HD-108B	SPRING CAN	VT-4	I-3		X			X			X	
F1,2,3	HPCI	HD-107B	SPRING CAN	VT-3	I-3	X			X			X		

ITEM	SYSTEM	COMP ID	COMP DESC	METH	DRAWING	INTERVAL 2			INTERVAL 3			INTERVAL 4		
		(SEE RELIEF RREQUEST C-3)				1	2	3	1	2	3	1	2	3
E1,2,3	HPCI	HD-22A	SPRING CAN	VT-3	I-5	X			X			X		
E4	HPCI	HD-22A	SPRING CAN	VT-4	I-5	X			X			X		
E1,2,3	HPCI	HD-26A	SPRING CAN	VT-3	I-5				X			X		
E4	HPCI	HD-26A	SPRING CAN	VT-4	I-5				X			X		
E1,2,3	HPCI	H-28	RIGID REST	VT-3	I-5	X			X			X		
E1,2,3	HPCI	HD-28	SUP BRKT	VT-3	I-5				X			X		
E1,2,3	HPCI	H-24	RIGID HANG	VT-3	I-5C				X			X		
E1,2,3	HPCI	HD-24	RIGID HANG	VT-3	I-5C		X			X			X	
E1,2,3	HPCI	H-22	SUP BRKT	VT-3	I-5C		X			X			X	
E1,2,3	CRD	SDV-N-R11	RIGID HANG	VT-4	I-19				X			X		
E1,2,3	CRD	SDV-N-A01	RIGID HANG	VT-3	I-19				X			X		
E1,2,3	CRD	SDV-S-R01	RIGID HANG	VT-3	I-19				X			X		
E1,2,3	CRD	SDV-S-A01	RIGID HANG	VT-3	I-19				X			X		
E1,2,3	CRD	HD-16	RIGID HANG	VT-3	I-23	X			X			X		
E1,2,3	CRD	HD-17	RIGID HANG	VT-3	I-23		X			X			X	
E1,2,3	CRD	HD-18	RIGID HANG	VT-3	I-23				X			X		
E1,2,3	CRD	HD-19	RIGID HANG	VT-3	I-23	X			X			X		
E1,2,3	CRD	HD-20	RIGID HANG	VT-3	I-23		X			X			X	
E1,2,3	CRD	HD-21	RIGID HANG	VT-3	I-23				X			X		
E1,2,3	CRD	HD-112	RIGID HANG	VT-3	I-23				X			X		
E1,2,3	CRD	HD-111	RIGID HANG	VT-3	I-23				X			X		
E1,2,3	CRD	HD-110	RIGID HANG	VT-3	I-23				X			X		
E1,2,3	CRD	HD-107	RIGID HANG	VT-3	I-23				X			X		
E1,2,3	CRD	HD-108	RIGID HANG	VT-3	I-23				X			X		
E1,2,3	CRD	HD-2	RIGID REST	VT-3	I-23		X			X			X	
E1,2,3	CRD	HD-3	RIGID REST	VT-3	I-23				X			X		
E1,2,3	CRD	HD-4	RIGID REST	VT-3	I-23	X			X			X		

ITEM	SISTEM	COMP ID	COMP DESC	METH	DRAWING	INTERVAL 2			INTERVAL 3			INTERVAL 4		
		(SEE RELIEF RREQUEST C-3)				1	2	3	1	2	3	1	2	3
F1,2,3	CRD	HD-23	RIGID HANG	VT-3	I-23		X			X			X	
F1,2,3	CRD	HD-5	RIGID REST	VT-3	I-23			X			X			X
F1,2,3	CRD	HD-118	RIGID REST	VT-3	I-23			X			X			X
F1,2,3	CRD	HD-117	RIGID REST	VT-3	I-23			X			X			X
F1,2,3	CRD	HD-116	RIGID HANG	VT-3	I-23			X			X			X
F1,2,3	CRD	HD-115	RIGID HANG	VT-3	I-23			X			X			X
F1,2,3	CRD	HD-10	RIGID HANG	VT-3	I-23	X			X			X		
F1,2,3	CRD	HD-11	RIGID HANG	VT-3	I-23		X			X			X	
F1,2,3	CRD	HD-12	RIGID HANG	VT-3	I-23			X			X			X
F1,2,3	CRD	HD-104	RIGID HANG	VT-3	I-23			X			X			X
F1,2,3	CRD	HD-103	RIGID HANG	VT-3	I-23			X			X			X
F1,2,3	CRD	HD-102	RIGID HANG	VT-3	I-23			X			X			X
F1,2,3	CRD	HD-105	RIGID HANG	VT-3	I-23	X			X			X		
F1,2,3	CRD	HD-106	RIGID HANG	VT-3	I-23	X			X			X		
F1,2,3	CRD	HD-107	RIGID HANG	VT-3	I-23	X			X			X		
F1,2,3	CRD	HD-13	RIGID HANG	VT-3	I-23	X			X			X		
F1,2,3	CRD	HD-14	RIGID HANG	VT-3	I-23	X			X			X		
F1,2,3	CRD	HD-15	RIGID HANG	VT-3	I-23	X			X			X		
F1,2,3	CRD	N-H01	RIGID HANG	VT-3	I-24			X			X			X
F1,2,3	CRD	N-R10	RIGID HANG	VT-3	I-24			X			X			X
F1,2,3	CRD	S-H01	RIGID REST	VT-3	I-25			X			X			X
F1,2,3	RCIC	HD-87	SPRING CAN	VT-3	I-26	X			X			X		
F4	RCIC	HD-87	SPRING CAN	VT-4	I-26	X			X			X		
F1,2,3	RCIC	H-86	RIGID REST	VT-3	I-26		X			X			X	
F1,2,3	RCIC	H-32	RIGID REST	VT-3	I-26			X			X			X
F1,2,3	RCIC	HD-32	RIGID HANG	VT-3	I-26			X			X			X
F1,2,3	RCIC	H-87	RIGID HANG	VT-3	I-26		X			X			X	

ITEM	SYSTEM	COMP ID	COMP DESC (SEE RELIEF REQUEST C-3)	METH	DRAWING	INTERVAL 2			INTERVAL 3			INTERVAL 4		
						1	2	3	1	2	3	1	2	3
F1,2,3	RHR	HD-8E	RIGID HANG	VT-3	I-18		X			X			X	
F1,2,3	RHR	HD-18F	RIGID HANG	VT-3	I-18			X			X			X
F1,2,3	RHR	HD-18E	RIGID HANG	VT-3	I-18	X			X			X		
F1,2,3	RHR	HD-18C	RIGID HANG	VT-3	I-18		X			X			X	
F1,2,3	RHR	HD-18A	RIGID REST	VT-3	I-18			X			X			X
F1,2,3	RHR	HD-18	RIGID REST	VT-3	I-18	X			X			X		
F1,2,3	RHR	HD-18R	RIGID REST	VT-3	I-18		X			X			X	
F1,2,3	RHR	HD-18P	RIGID HANG	VT-3	I-18			X			X			X
F1,2,3	RHR	HD-18N	RIGID HANG	VT-3	I-18	X			X			X		
F1,2,3	RHR	HD-18M	RIGID HANG	VT-3	I-18		X			X			X	
F1,2,3	RHR	HD-18K	RIGID REST	VT-3	I-18			X			X			
F1,2,3	RHR	HD-18J	RIGID HANG	VT-3	I-18	X			X			X		
F1,2,3	RHR	HD-8	RIGID REST	VT-3	I-18		X			X			X	
F1,2,3	RHR	HD-18L	RIGID HANG	VT-3	I-18	X			X			X		
F1,2,3	RHR	H-182	RIGID REST	VT-3	I-7A		X			X			X	
F1,2,3	RHR	HD-185F	RIGID HANG	VT-3	I-7A	X			X			X		
F1,2,3	RHR	H-181	RIGID HANG	VT-3	I-7A		X			X			X	
F1,2,3	RHR	HD-181	RIGID HANG	VT-3	I-7A			X			X			X
F1,2,3	RHR	HD-185D	SPRING CAN	VT-3	I-7A		X			X			X	
F4	RHR	HD-185D	SPRING CAN	VT-4	I-7A		X			X			X	
F1,2,3	RHR	H-128	RIGID REST	VT-3	I-7A			X			X			X
F1,2,3	RHR	HD-127K	RIGID HANG	VT-3	I-7B	X			X			X		
F1,2,3	RHR	H-127	RIGID HANG	VT-3	I-7B		X			X			X	
F1,2,3	RHR	HD-127M	HYD SNUB	VT-3	I-7B	X			X			X		
F1,2,3	RHR	HD-127A	RIGID HANG	VT-3	I-7B			X			X			X
F4	RHR	HD-127M	HYD SNUB	VT-4	I-7B	X			X			X		
F1,2,3	RHR	H-22	CONST WGT SUP	VT-3	I-7B			X			X			X

ITEM	SYSTEM	COMP ID	COMP DESC	METH	DRAWING	INTERVAL 2			INTERVAL 3			INTERVAL 4		
		(SEE RELIEF REQUEST C-3)				1	2	3	1	2	3	1	2	3
F1,2,3	RHR	H-184	SPRING CAN	VT-3	I-8		X			X			X	
F4	RHR	H-184	SPRING CAN	VT-4	I-8		X			X			X	
F1,2,3	RHR	H-183	HYD SNUB	VT-3	I-8			X			X			X
F4	RHR	H-183	HYD SNUB	VT-4	I-8			X			X			X
F1,2,3	RHR	H-185	HYD SNUB	VT-3	I-8	X			X			X		
F4	RHR	H-185	HYD SNUB	VT-4	I-8	X			X			X		
F1,2,3	RHR	HD-184A	RIGID HANG	VT-3	I-8		X			X			X	
F1,2,3	RHR	HD-184B	HYD SNUB	VT-3	I-8			X			X			X
F4	RHR	HD-184B	HYD SNUB	VT-4	I-8			X			X			X
F1,2,3	RHR	HD-183B	RIGID HANG	VT-3	I-8			X			X			X
F1,2,3	RHR	HD-127C	RIGID HANG	VT-3	I-9			X			X			X
F1,2,3	RHR	HD-127I	SPRING CAN	VT-3	I-9			X			X			X
F4	RHR	HD-127I	SPRING CAN	VT-4	I-9			X			X			X
F1,2,3	RHR	HD-127L	HYD SNUB	VT-3	I-9		X			X			X	
F4	RHR	HD-127L	HYD SNUB	VT-4	I-9		X			X			X	
F1,2,3	RHR	HD-127H	RIGID HANG	VT-3	I-9			X			X			X
F1,2,3	RHR	HD-127G	RIGID HANG	VT-3	I-9			X			X			X
F1,2,3	RHR	HD-127J	RIGID HANG	VT-3	I-9			X			X			X
F1,2,3	RHR	HD-127E	SPRING CAN	VT-3	I-9			X			X			X
F4	RHR	HD-127E	SPRING CAN	VT-4	I-9			X			X			X
F1,2,3	RHR	HD-127D	RIGID HANG	VT-3	I-9			X			X			X
F1,2,3	RHR	HD-127F	RIGID HANG	VT-3	I-9	X			X			X		

ITEM	SYSTEM	COMP ID	COMP DESC	METH	DRAWING	INTERVAL 1	INTERVAL 2	INTERVAL 3	INTERVAL 4
		(SEE RELIEF REQUEST C-3)							
F1,2,3	RHR	HD-31	RIGID HANG	VT-3	I-17		1 2 3	1 2 3	1 2 3
F1,2,3	RHR	HD-33	RIGID HANG	VT-3	I-17				
F1,2,3	RHR	H-160	RIGID HANG	VT-3	I-17				
F1,2,3	RHR	HD-37N	RIGID HANG	VT-3	I-17				
F1,2,3	RHR	HD-29	RIGID REST	VT-3	I-17				
F1,2,3	RHR	HD-28	RIGID HANG	VT-3	I-17				
F1,2,3	RHR	HD-27	RIGID REST	VT-3	I-17				
F1,2,3	RHR	HD-24N	RIGID REST	VT-3	I-17				
F1,2,3	RHR	HD-5N	RIGID HANG	VT-3	I-17				
F1,2,3	RHR	HD-4N	RIGID HANG	VT-3	I-17				
F1,2,3	RHR	HD-8	RIGID HANG	VT-3	I-17				
F1,2,3	RHR	HD-25	RIGID HANG	VT-3	I-17				
F1,2,3	RHR	HD-37	RIGID HANG	VT-3	I-17				
F1,2,3	RHR	HD-36	RIGID HANG	VT-3	I-17				
F1,2,3	RHR	HD-35	RIGID HANG	VT-3	I-17				
F1,2,3	RHR	HD-30	RIGID REST	VT-3	I-17				
F1,2,3	RHR	HD-3	RIGID HANG	VT-3	I-17				
F1,2,3	RHR	HD-4	RIGID HANG	VT-3	I-17				
F1,2,3	RHR	HD-6	RIGID HANG	VT-3	I-17				
F1,2,3	RHR	HD-24	RIGID HANG	VT-3	I-17				
F1,2,3	RHR	HD-22	RIGID HANG	VT-3	I-17				
F1,2,3	RHR	HD-23	RIGID HANG	VT-3	I-17				
F1,2,3	RHR	HD-201B	RIGID HANG	VT-3	I-17				
F1,2,3	RHR	HD-1	RIGID REST	VT-3	I-18				
F1,2,3	RHR	HD-2	RIGID HANG	VT-3	I-18				
F1,2,3	RHR	HD-4	RIGID HANG	VT-3	I-18				
F1,2,3	RHR	HD-6	RIGID HANG	VT-3	I-18				

ITEM	SYSTEM	COMP ID	COMP DESC	METH	DRAWING	INTERVAL 2			INTERVAL 3			INTERVAL 4		
		(SEE RELIEF REQUEST C-3)				1	2	3	1	2	3	1	2	3
F4	RHR	HD-192	SPRING CAN	VT-4	I-15A			X		X				X
F1,2,3	RHR	H-192	RIGID REST	VT-3	I-15A			X		X				X
F1,2,3	RHR	H-193	HYD SNUB	VT-3	I-15A	X			X			X		
F4	RHR	H-193	HYD SNUB	VT-4	I-15A	X			X			X		
F1,2,3	RHR	CS-HD-54D	SPRING CAN	VT-3	I-15A		X							
F4	RHR	CS-HD-54D	SPRING CAN	VT-4	I-15A		X			X				
F1,2,3	RHR	CS-HD-54E	RIGID HANG	VT-3	I-15A			X		X				X
F1,2,3	RHR	CS-HD-54A	SPRING CAN	VT-3	I-15A			X		X				X
F4	RHR	CS-HD-54A	SPRING CAN	VT-4	I-15A			X		X				X
F1,2,3	RHR	CS-HD-54B	SPRING CAN	VT-3	I-15A			X		X				X
F4	RHR	CS-HD-54B	SPRING CAN	VT-4	I-15A			X		X				X
F1,2,3	RHR	CS-HD-54C	RIGID HANG	VT-3	I-15A		X			X			X	
F1,2,3	RHR	H-83	RIGID REST	VT-3	I-15A			X						
F1,2,3	RHR	CS-HD-54H	HYD SNUB	VT-3	I-15A									
F4	RHR	CS-HD-54H	HYD SNUB	VT-4	I-15A									
F1,2,3	RHR	HD-87A	RIGID HANG	VT-3	I-16									
F1,2,3	RHR	CS-H-87	RIGID REST	VT-3	I-16									
F1,2,3	RHR	HD-87B	RIGID HANG	VT-3	I-16									
F1,2,3	RHR	HD-134	HYD SNUB	VT-3	I-16									
F4	RHR	HD-134	HYD SNUB	VT-4	I-16									
F1,2,3	RHR	CS-H-86A	RIGID HANG	VT-3	I-16		X			X			X	
F1,2,3	RHR	CS-H-86B	RIGID HANG	VT-3	I-16	X			X			X		
F1,2,3	RHR	CS-HD-86A	RIGID HANG	VT-3	I-16A		X			X			X	
F1,2,3	RHR	CS-HD-86C	SPRING CAN	VT-3	I-16A	X			X			X		
F4	RHR	CS-HD-86C	SPRING CAN	VT-4	I-16A	X			X			X		
F1,2,3	RHR	HD-32N	RIGID HANG	VT-3	I-17			X			X			X
F1,2,3	RHR	HD-201A	RIGID REST	VT-3	I-17	X			X			X		

ITEM	SYSTEM	COMP ID	COMP DESC	METH	DRAWING	INTERVAL 2			INTERVAL 3			INTERVAL 4		
(SEE RELIEF REQUEST C-3)						1	2	3	1	2	3	1	2	3
F1,2,3	RHR	HD-200B	RIGID HANG	VT-3	I-12		X			X				
F1,2,3	RHR	HD-200E	RIGID HANG	VT-3	I-12	X			X			X		
F1,2,3	RHR	HD-156A	RIGID HANG	VT-3	I-12					X				
F1,2,3	RHR	H-187	RIGID HANG	VT-3	I-12		X			X				
F1,2,3	RHR	HD-189A	SPRING CAN	VT-3	I-12									
F4	RHR	HD-189A	SPRING CAN	VT-4	I-12									
F1,2,3	RHR	HD-16C	RIGID HANG	VT-3	I-13		X			X			X	
F1,2,3	RHR	H-186	RIGID HANG	VT-3	I-13	X			X			X		
F1,2,3	RHR	HD-16G	RIGID HANG	VT-3	I-13									
F1,2,3	RHR	HD-16H	RIGID HANG	VT-3	I-13									
F1,2,3	RHR	HD-16J	RIGID HANG	VT-3	I-13									
F1,2,3	RHR	HD-186A	RIGID HANG	VT-3	I-13									
F1,2,3	RHR	HD-129E	RIGID HANG	VT-3	I-13									
F1,2,3	RHR	HD-200G	RIGID HANG	VT-3	I-14									
F1,2,3	RHR	H-16	RIGID HANG	VT-3	I-14									
F1,2,3	RHR	HD-194A	SPRING CAN	VT-3	I-15									
F4	RHR	HD-194A	SPRING CAN	VT-4	I-15									
F1,2,3	RHR	HD-194B	RIGID HANG	VT-3	I-15									
F1,2,3	RHR	HD-194C	SPRING CAN	VT-3	I-15									
F4	RHR	HD-194C	SPRING CAN	VT-4	I-15									
F1,2,3	RHR	HD-87	SPRING CAN	VT-3	I-15									
F4	RHR	HD-87	SPRING CAN	VT-4	I-15									
F1,2,3	RHR	HD-191	SPRING CAN	VT-3	I-15									
F4	RHR	HD-191	SPRING CAN	VT-4	I-15									
F1,2,3	RHR	H-194	RIGID REST	VT-3	I-15									
F1,2,3	RHR	H-191	RIGID REST	VT-3	I-15									
F1,2,3	RHR	HD-192	SPRING CAN	VT-3	I-15A									

ITEM	SYSTEM	COMP ID	COMP DESC	METH	DRAWING	INTERVAL 2			INTERVAL 3			INTERVAL 4		
(SEE RELIEF REQUEST C-3)						1	2	3	1	2	3	1	2	3
F1,2,3	RHR	HD-130B	RIGID HANG	VT-3	I-10A	X			X			X		
F1,2,3	RHR	H-130	RIGID HANG	VT-3	I-10A		X			X			X	
F1,2,3	RHR	HD-130C	SPRING CAN	VT-3	I-10A	X			X			X		
F4	RHR	HD-130C	SPRING CAN	VT-4	I-10A	X			X			X		
F1,2,3	RHR	HD-197A	RIGID HANG	VT-3	I-10A	X			X			X		
F1,2,3	RHR	HD-197B	RIGID HANG	VT-3	I-10A		X			X			X	
F1,2,3	RHR	H-197A	HYD SNUB	VT-3	I-10A	X			X			X		
F4	RHR	H-197A	HYD SNUB	VT-4	I-10A	X			X			X		
F1,2,3	RHR	H-197B	HYD SNUB	VT-3	I-10A		X			X			X	
F4	RHR	H-197B	HYD SNUB	VT-4	I-10A		X			X			X	
F1,2,3	RHR	HD-130A	RIGID HANG	VT-3	I-10A			X			X			X
F1,2,3	RHR	HD-197C	SPRING CAN	VT-3	I-10A	X			X			X		
F4	RHR	HD-197C	SPRING CAN	VT-4	I-10A	X			X			X		
F1,2,3	RHR	HD-129C	RIGID HANG	VT-3	I-10B			X			X			X
F1,2,3	RHR	H-129	RIGID REST	VT-3	I-10D			X			X			X
F1,2,3	RHR	HD-188A	RIGID HANG	VT-3	I-10B			X			X			X
F1,2,3	RHR	H-188	RIGID HANG	VT-3	I-10B			X			X			X
F1,2,3	RHR	HD-188C	RIGID HANG	VT-3	I-10B			X			X			X
F1,2,3	RHR	HD-187B	SPRING CAN	VT-3	I-11		X			X			X	
F4	RHR	HD-187B	SPRING CAN	VT-4	I-11		X			X			X	
F1,2,3	RHR	HD-200C	RIGID HANG	VT-3	I-12	X			X			X		
F1,2,3	RHR	HD-187C	SPRING CAN	VT-3	I-12		X			X			X	
F4	RHR	HD-187C	SPRING CAN	VT-4	I-12		X			X			X	
F1,2,3	RHR	HD-200F	SPRING CAN	VT-3	I-12	X			X			X		
F4	RHR	HD-200F	SPRING CAN	VT-4	I-12	X			X			X		
F1,2,3	RHR	H-156	RIGID HANG	VT-3	I-12		X			X			X	
F1,2,3	RHR	HD-200N	RIGID HANG	VT-3	I-12	X			X			X		

ITEM	SYSTEM	COMP ID (SEE RELIEF REQUEST C-3)	COMP DESC	METH	DRAWING	INTERVAL 2			INTERVAL 3			INTERVAL 4		
						1	2	3	1	2	3	1	2	3
B4	RCIC	HD-63B	SPRING CAN	VT-3	I-26				[93]			X		
B1,2,3	RCIC	H-63	RIGID REST	VT-3	I-26A		[89]			[96]			X	
B1,2,3	RCIC	HD-63G	RIGID REST	VT-3	I-26A			[90]			[99]			X
B4	RCIC	HD-63B	SPRING CAN	VT-4	I-26A				[93]			X		
B1,2,3	RCIC	H-62	RIGID REST	VT-3	I-26A		[89]			[96]			X	
B1,2,3	RCIC	HD-63A	SPRING CAN	VT-3	I-26B			[90]			[99]			X
B1,2,3	RHR	H-83	RIGID REST	VT-3	I-15A				[93]			X		
B1,2,3	HPCI	HD-202	RIGID REST	VT-3	I-4A		[89]			[96]			X	
B4	HPCI	HD-110	SPRING CAN	VT-3	I-5A			[90]			[99]			X
B4	HPCI	HD-110	SPRING CAN	VT-4	I-5A			[90]			[99]			X
B4	HPCI	HD-111A	SPRING CAN	VT-3	I-5A				[93]			X		
B4	HPCI	HD-85A	SPRING CAN	VT-4	I-5B		[89]			[96]			X	
B1,2,3	HPCI	H-85	RIGID REST	VT-3	I-5B			[90]			[99]			X
B1,2,3	HPCI	H-84	RIGID REST	VT-3	I-5B				[93]			X		
B4	HPCI	HD-84	SPRING CAN	VT-3	I-5B		[89]			[96]			X	
B4	HPCI	HD-84	SPRING CAN	VT-4	I-5B		[89]			[96]			X	
B1,2,3	HPCI	H-28	RIGID REST	VT-3	I-5C			[90]			[99]			X
B1,2,3	HPCI	HD-28	RIGID REST	VT-3	I-5C				[93]			X		
B4	CS	HD-60C	SPRING CAN	VT-3	I-6C		[89]			[96]			X	
B4	CS	HD-60C	SPRING CAN	VT-4	I-6C		[89]			[96]			X	
B1,2,3	CS	H-60	SUP BRKT	VT-3	I-6C			[90]			[99]			X
B1,2,3	CS	HD-60B	SUP BRKT	VT-3	I-6C				[93]			X		
B1,2,3	CS	HD-60A	RIGID REST	VT-3	I-6C		[89]			[96]			X	
B1,2,3	CS	HD-60D	RIGID REST	VT-3	I-6C			[90]			[99]			X
B4	CS	HD-57C	SPRING CAN	VT-4	I-6D				[93]			X		
B1,2,3	CS	H-57	SUP BRKT	VT-3	I-6D		[89]			[96]			X	
B1,2,3	CS	HD-57A	SUP BRKT	VT-3	I-6D			[90]			[99]			X

ITEM	SYSTEM	COMP ID	COMP DESC	METH	DRAWING	INTERVAL 2			INTERVAL 3			INTERVAL 4		
(SEE RELIEF RREQUEST C-3)						1	2	3	1	2	3	1	2	3
F1,2,3	PCAC	HD-202A	RIGID REST	VT-3	I-34			90			99			X
F1,2,3	PCAC	HD-202B	RIGID REST	VT-3	I-34				93		X			
F1,2,3	PCAC	H-119	RIGID REST	VT-3	I-34		89			96			X	
F1,2,3	PCAC	V2	RIGID REST	VT-3	I-34			90			99			X
F1,2,3	PCAC	HD-205A	RIGID REST	VT-3	I-34				93		X			
F1,2,3	PCAC	HD-205B	RIGID REST	VT-3	I-34		89			96			X	
F1,2,3	PCAC	HD-205C	RIGID REST	VT-3	I-34			90			99			X
F1,2,3	PCAC	H-110	RIGID REST	VT-3	I-34				93		X			
F1,2,3	PCAC	HD-203C	SUP BRKT	VT-3	I-34		89			96			X	
F1,2,3	PCAC	V3	SUP BRKT	VT-3	I-34			90			99			X
F1,2,3	PCAC	HD-203D	RIGID REST	VT-3	I-34				93		X			
F1,2,3	CST	HD-58E	SPRING CAN	VT-3	I-31		89			96			X	
F4	CST	HD-58E	SPRING CAN	VT-4	I-31		89			96			X	
F1,2,3	CST	HD-58F	RIGID REST	VT-3	I-31			90			99			X
F1,2,3	CST	H-58	RIGID REST	VT-3	I-31				93		X			
F1,2,3	CST	HD-58B	SPRING CAN	VT-4	I-31		89			96			X	
F1,2,3	CST	HD-58C	SPRING CAN	VT-3	I-31			90			99			X
F4	CST	HD-58C	SPRING CAN	VT-4	I-31			90			99			X
F1,2,3	CST	V4	RIGID REST	VT-3	I-31				93		X			
F1,2,3	CST	HD-88D	RIGID REST	VT-3	I-31		89			96			X	
F1,2,3	CST	V5	RIGID REST	VT-3	I-31			90			99			X
F1,2,3	CST	HD-88B	RIGID REST	VT-3	I-31				93		X			
F1,2,3	CST	HD-88A	SPRING CAN	VT-3	I-31		89			96			X	
F4	CST	HD-88A	SPRING CAN	VT-4	I-31		89			96			x	
F1,2,3	CST	H-88	RIGID REST	VT-3	I-31			90			99			X
F1,2,3	CST	HD-111B	SPRING CAN	VT-3	I-5A				93		X			
F4	CST	HD-111B	SPRING CAN	VT-4	I-5A				93		X			

ITEM	SYSTEM	COMP ID	COMP DESC	METH	DRAWING	INTERVAL 2			INTERVAL 3			INTERVAL 4		
(SEE RELIEF REQUEST C-3)						1	2	3	1	2	3	1	2	3
F1,2,3	CS	HD-57B	RIGID REST	VT-3	I-6D				93			X		
F1,2,3	CS	HD-57D	RIGID REST	VT-3	I-6D		89			96			X	
F1,2,3	PCAC	HD-199	RIGID REST	VT-3	I-32			90			99			X
F1,2,3	PCAC	HD-38	RIGID REST	VT-3	I-32				93			X		
F1,2,3	PCAC	HD-34	[illegible] REST	VT-3	I-32		89			96			X	
F1,2,3	PCAC	H-34	RIGID REST	VT-3	I-32			90			99			X
F1,2,3	PCAC	H-27B	RIGID REST	VT-3	I-32				93			X		
F1,2,3	PCAC	H-27	SUP BRKT	VT-3	I-32		89			96			X	
F1,2,3	PCAC	H-26	RIGID REST	VT-3	I-32			90			99			X
F1,2,3	PCAC	HD-26B	RIGID REST	VT-3	I-32				93			X		
F4	PCAC	HD-26A	SPRING CAN	VT-3	I-32		89			96			X	
F4	PCAC	HD-26A	SPRING CAN	VT-4	I-32		89			96			X	
F1,2,3	PCAC	H-204	RIGID REST	VT-3	I-32			90			99			X
F1,2,3	PCAC	HD-25A	RIGID REST	VT-3	I-32				93			X		
F1,2,3	PCAC	H-23	RIGID REST	VT-3	I-32		89			96			X	
F1,2,3	PCAC	H-22	RIGID REST	VT-3	I-32			90			99			X
F4	PCAC	HD-22A	SPRING CAN	VT-3	I-32				93			X		
F4	PCAC	HD-22A	SPRING CAN	VT-4	I-32				93			X		
F1,2,3	PCAC	HD-22B	RIGID REST	VT-3	I-32		89			96			X	
F1,2,3	PCAC	H-28	RIGID REST	VT-3	I-33			90			99			X
F1,2,3	PCAC	HD-32C	SPRING CAN	VT-3	I-33				93			X		
F4	PCAC	HD-32C	SPRING CAN	VT-4	I-33				93			X		
F1,2,3	PCAC	H-29	RIGID REST	VT-3	I-33		89			96			X	
F1,2,3	PCAC	HD-32B	RIGID REST	VT-3	I-33			90			99			X
F4	PCAC	HD-32B	SPRING CAN	VT-4	I-33			90			99			X
F1,2,3	PCAC	HD-203F	RIGID REST	VT-3	I-34				93			X		
F1,2,3	PCAC	V1	SUP BRKT	VT-3	I-34		89			96			X	

LEGEND

The symbols below are used on the following piping drawings:


Spring hanger or support


Integrally welded Spring hanger or support


Rigid hanger, support or restraint


Integrally welded Rigid hanger, support or restraint

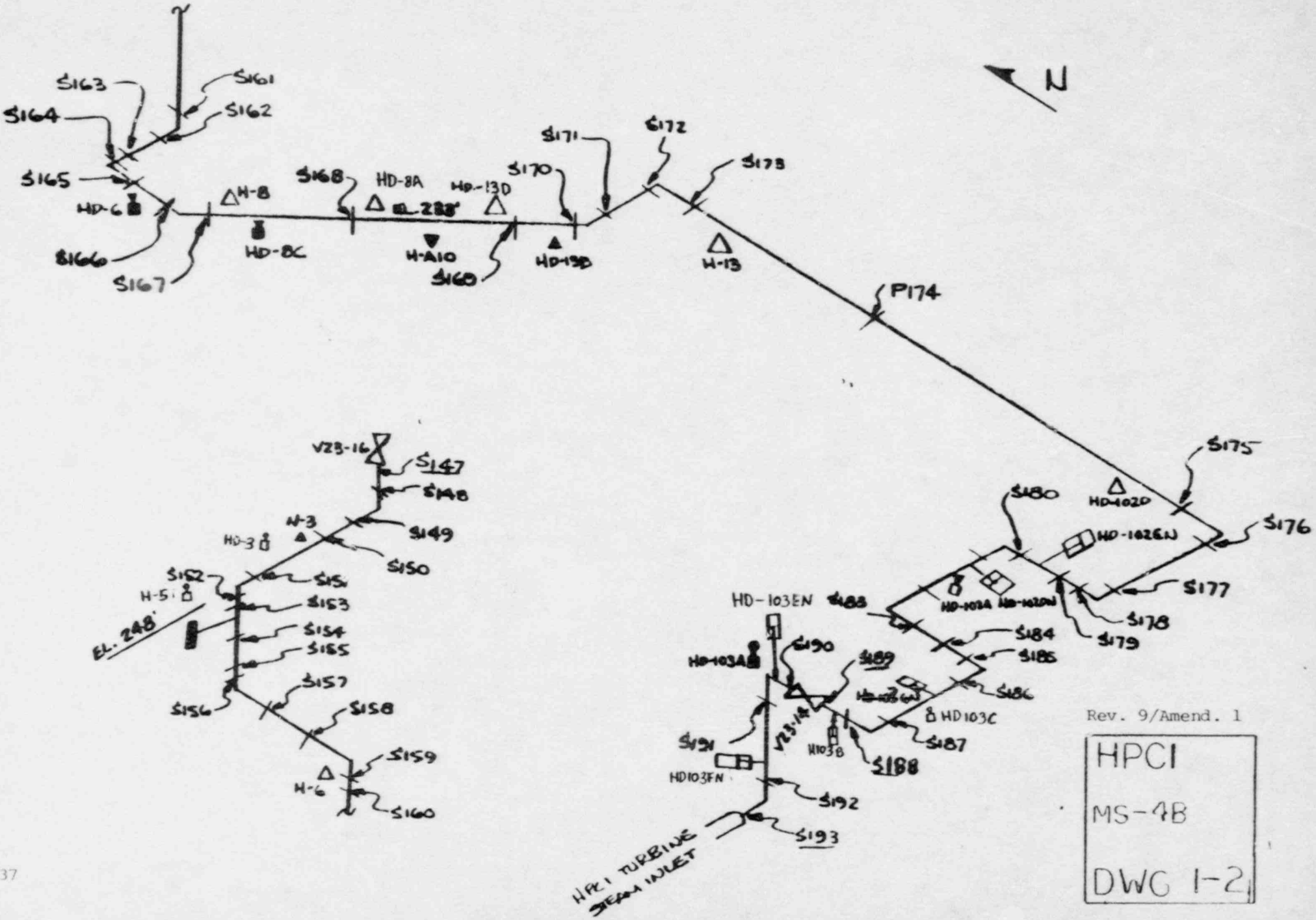

Sway Brace


Integrally welded Sway Brace


Shock Suppressor


Integrally welded Shock Suppressor


Integrally welded Shear Blocks

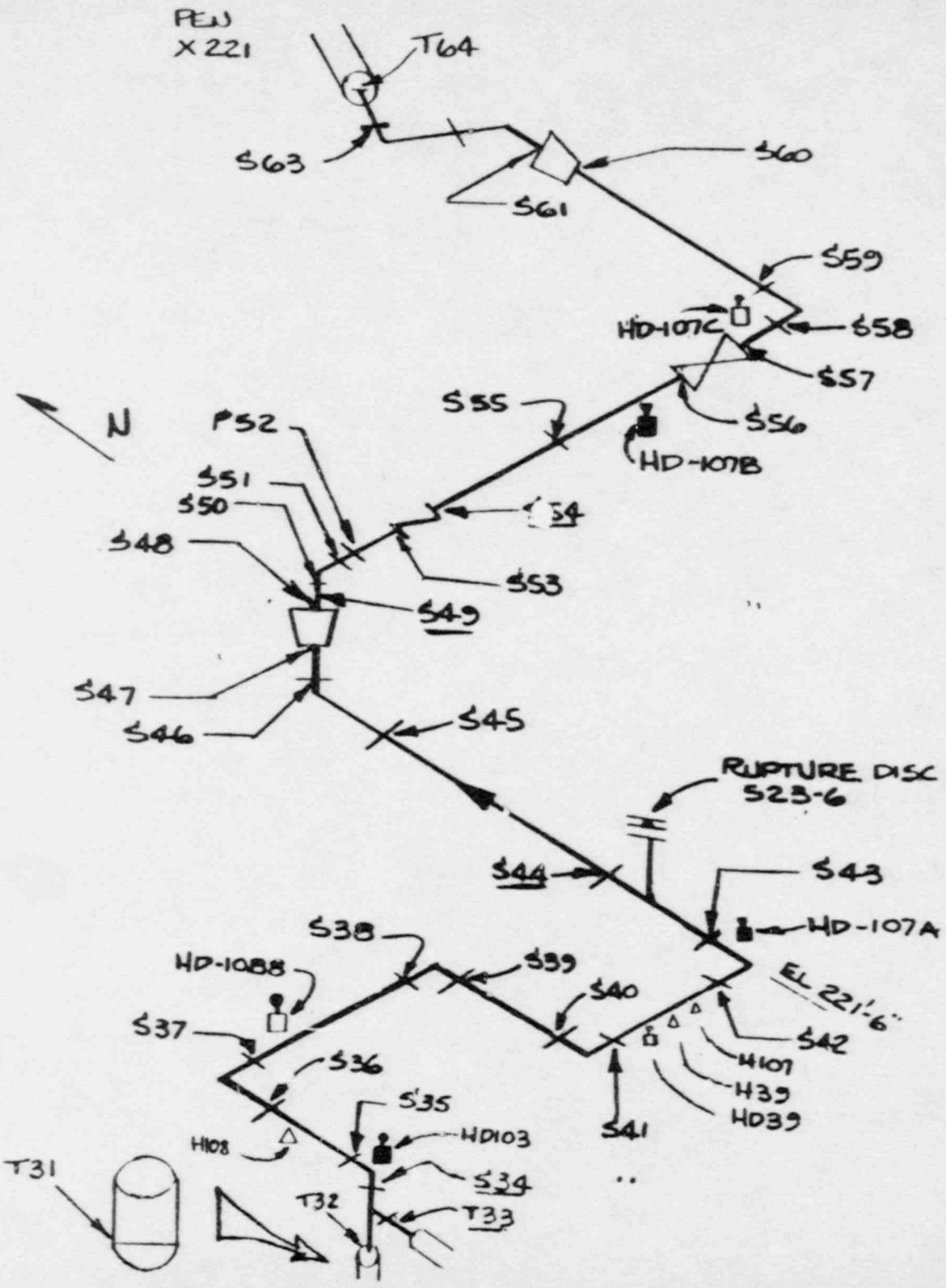


Rev. 9/Amend. 1

HPCI

MS-4B

DWG 1-2

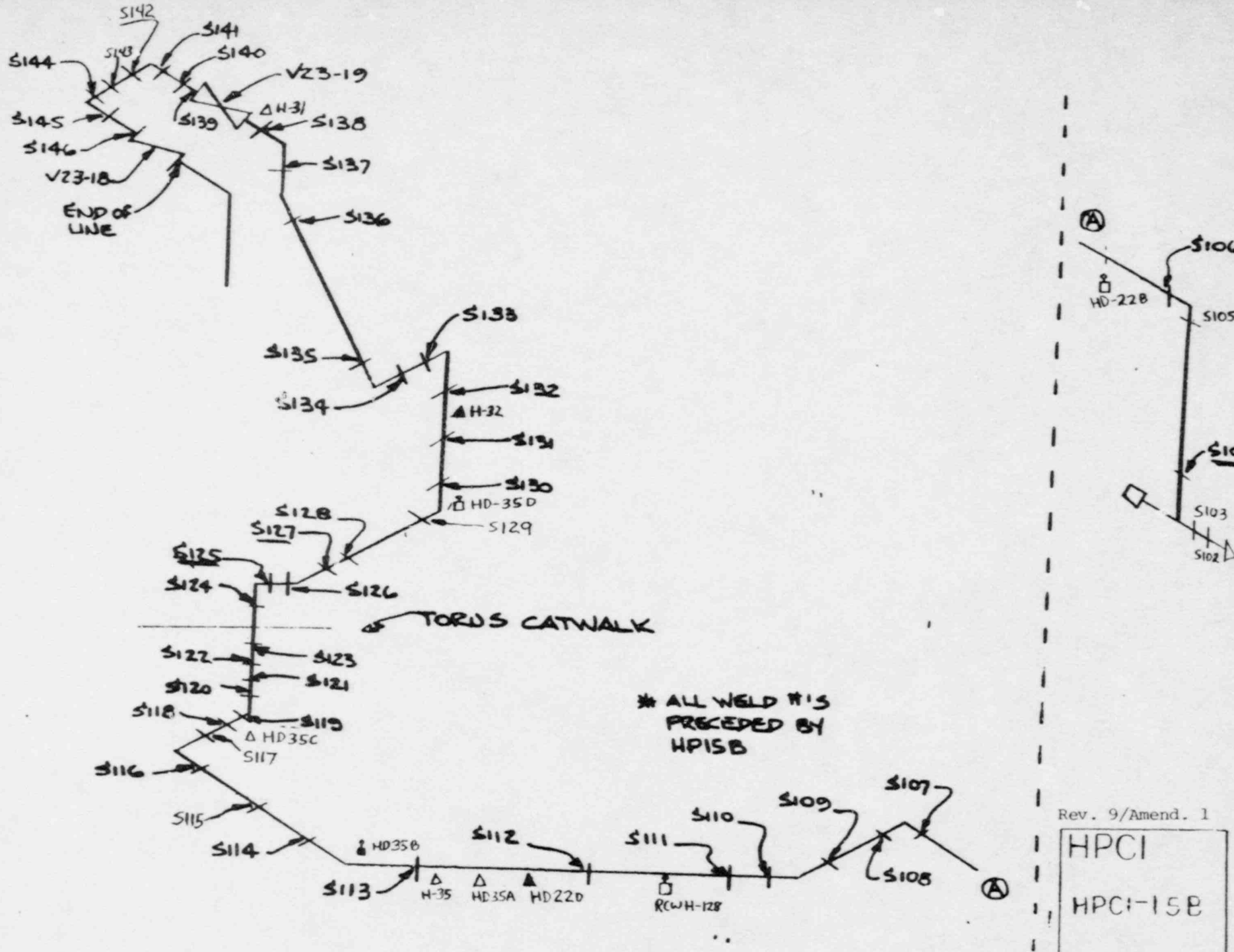


Rev. 9/Amend. 1

HPCI

HPCI-3

DWG 1-3


S142
S141
S140
S144
S143
V23-19
S145
S139
ΔH-31
S138
S146
S137
V23-18
END OF LINE
S136
S133
S135
S132
S134
▲H-32
S131
S130
HD-35D
S128
S127
S129
S125
S124
S126
TORUS CATWALK
S122
S123
S120
S121
S118
S119
Δ HD35C
S117
S116
S115
S114
HD35B
S112
S111
S110
S109
S107
S113
H-35
HD35A
HD22D
RCW H-128
S108
Ⓐ
Ⓐ
S106
HD-22B
S105
S104
S103
S102
* ALL WELD #'S PRECEDED BY HP1SB
Rev. 9/Amend. 1
HPCI
HPCI-15B
DWG 1-4

* ALL WELD #'S PRECEDED BY BPMP

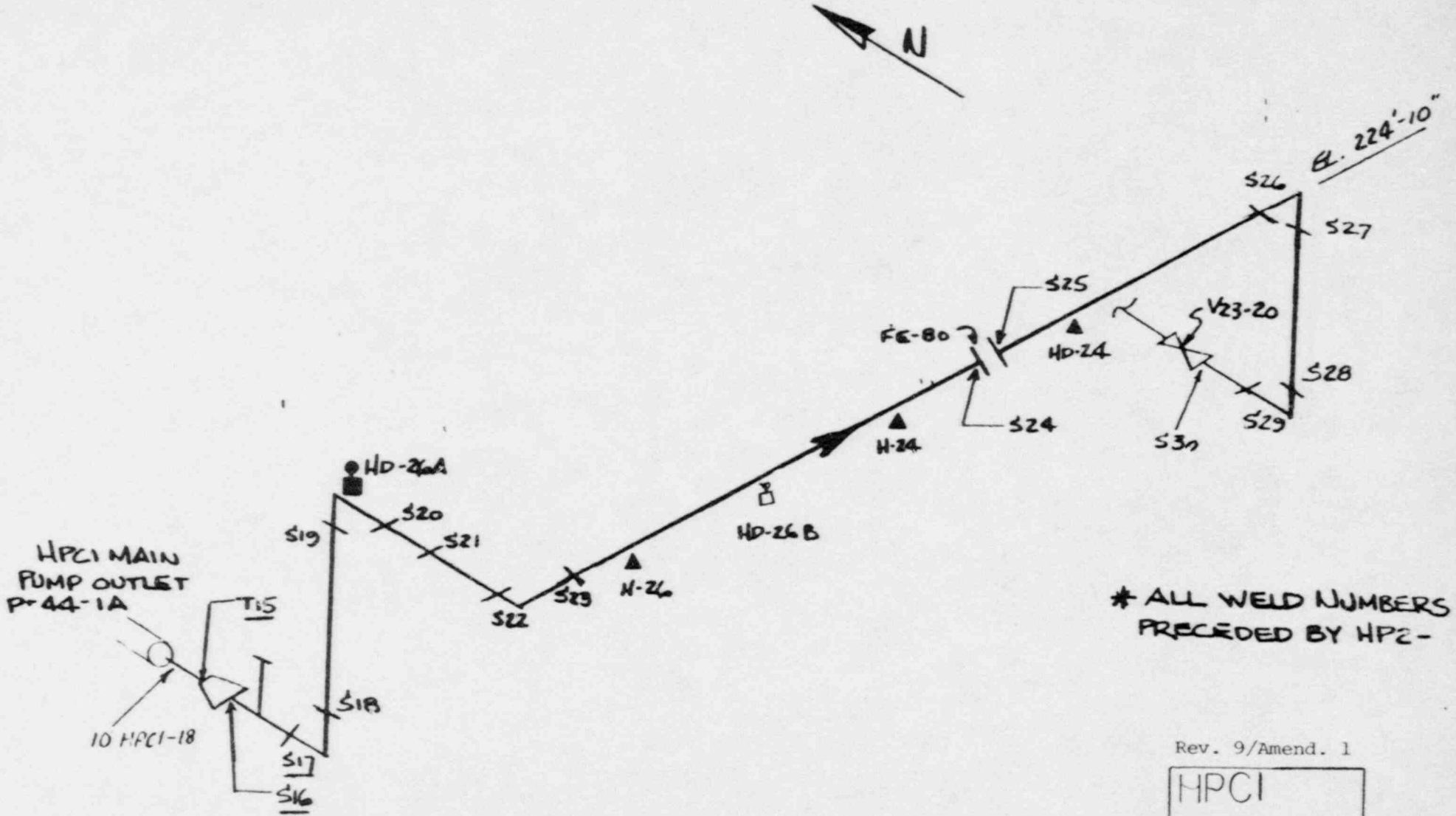
LINE NAME = HPCI-BPMP

Rev. 9/Amend. 1

HPCI

HPCI-BPMP

DWG I-4A



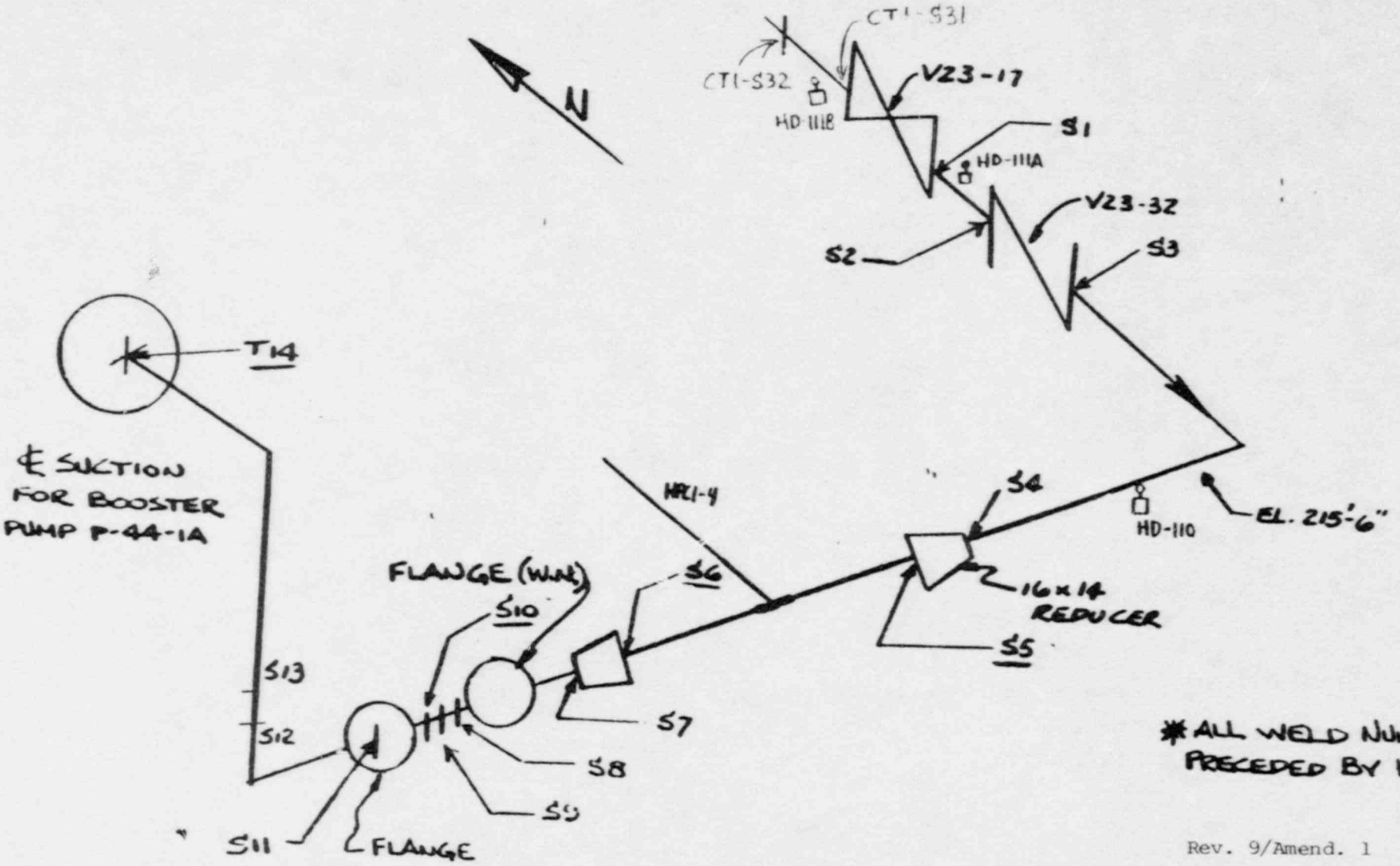
* ALL WELD NUMBERS PRECEDED BY HP2-

Rev. 9/Amend. 1

HPCI

HPC1-2

DWG 1-5



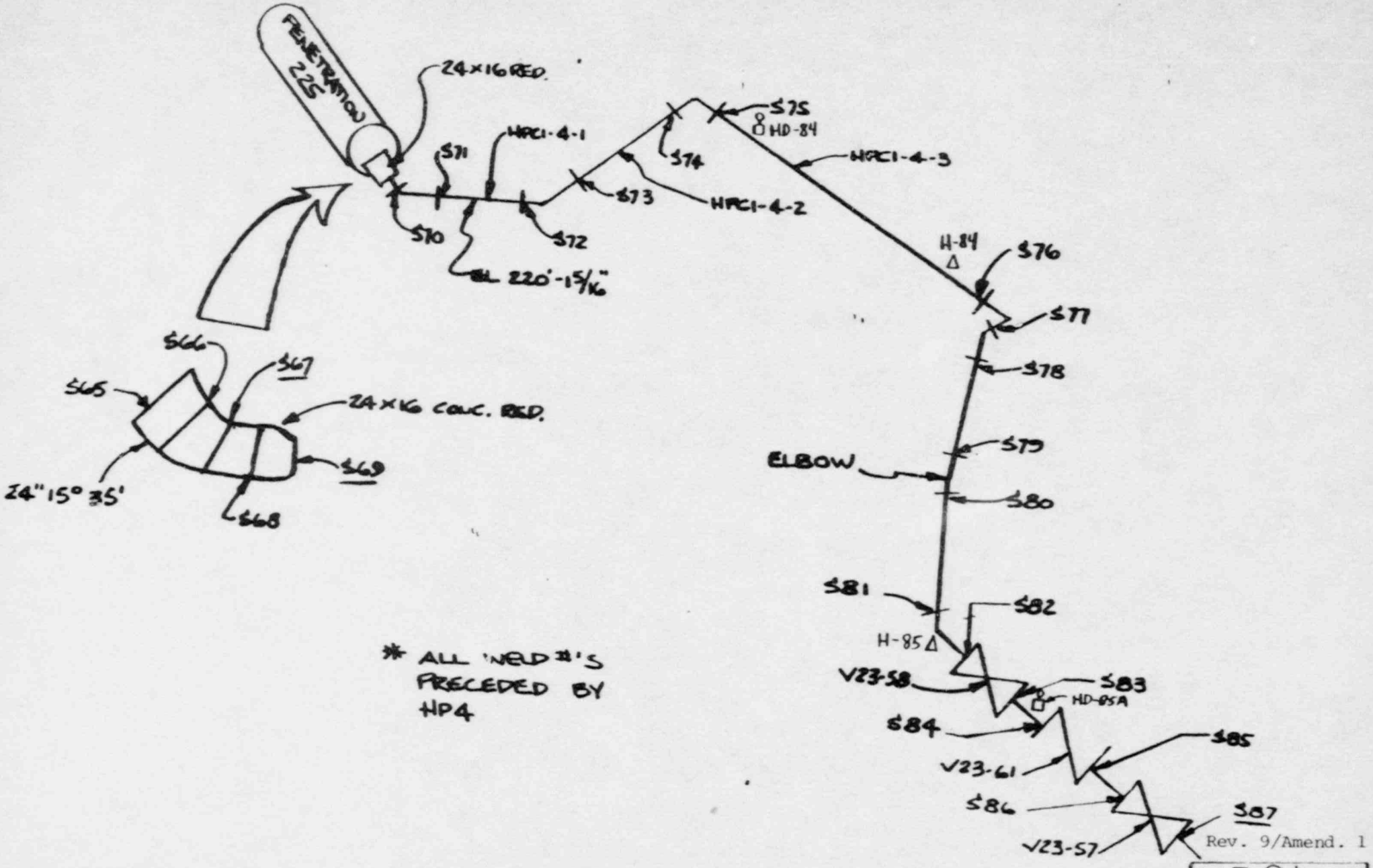
*ALL WELD NUMBERS PRECEDED BY HPI-

Rev. 9/Amend. 1

HPCI

HPCI-3

DWG 1-5A



* ALL WELD #'S PRECEDED BY HP4

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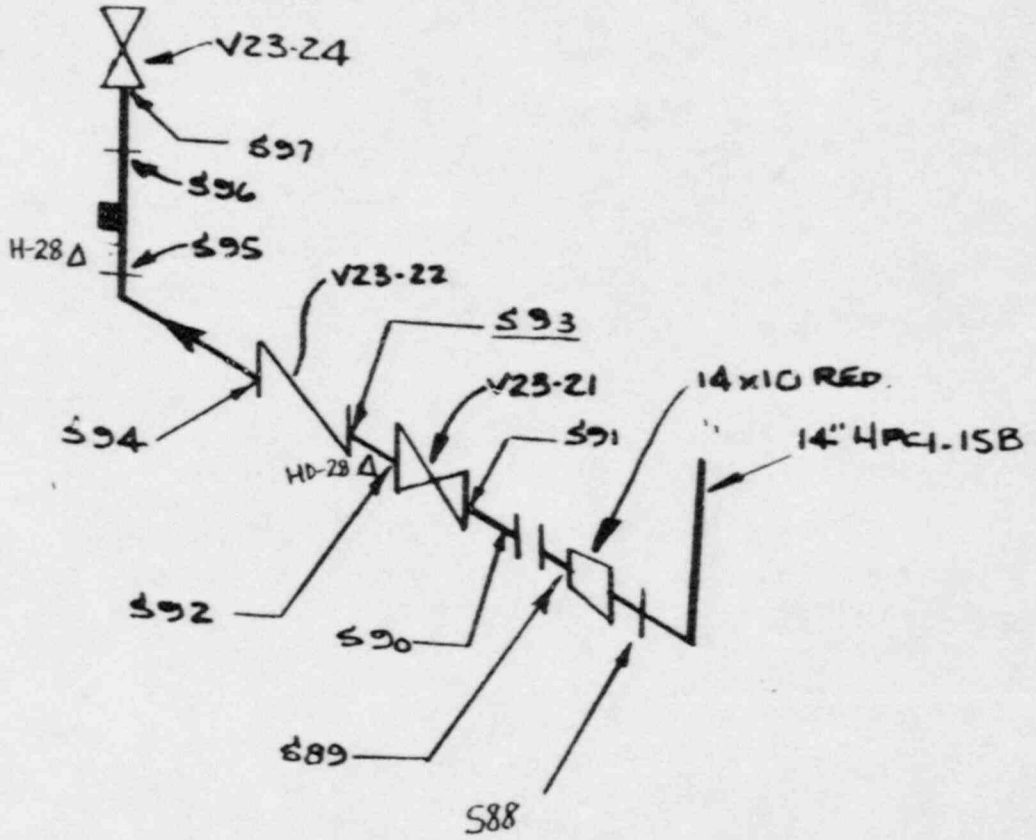
HPCI

HPCI-4

DWG 1-5B



* ALL WELD #'S PRECEDED BY HPS

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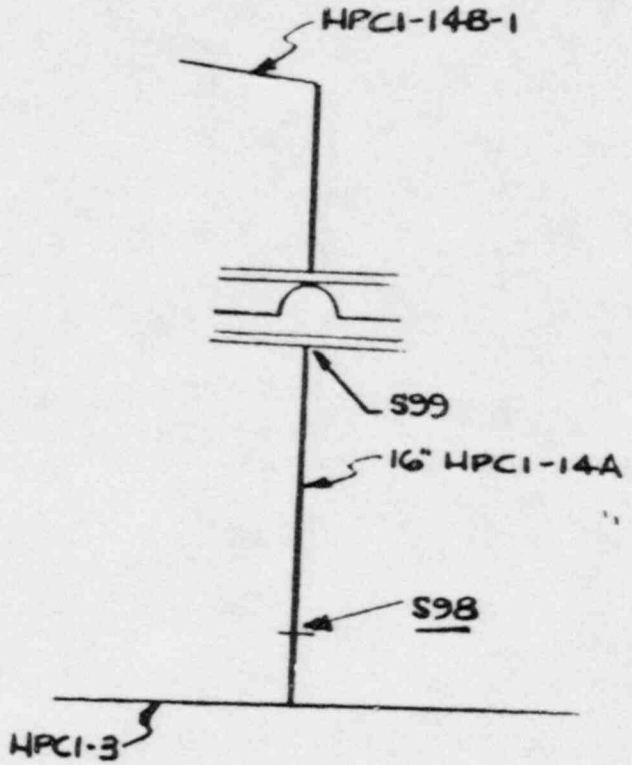
HPCI

HPCI-5

DWG 1-5C



* ALL WELD #'S PRECEDED BY HPI4A

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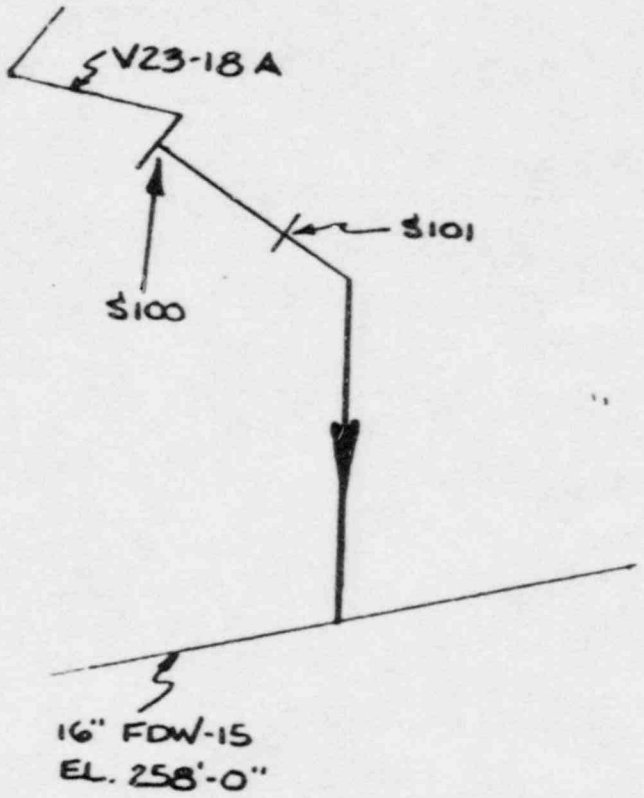
HPCI

HPCI-14A

DWG 1-5D



* ALL WELDS PRECEDED BY HP15A

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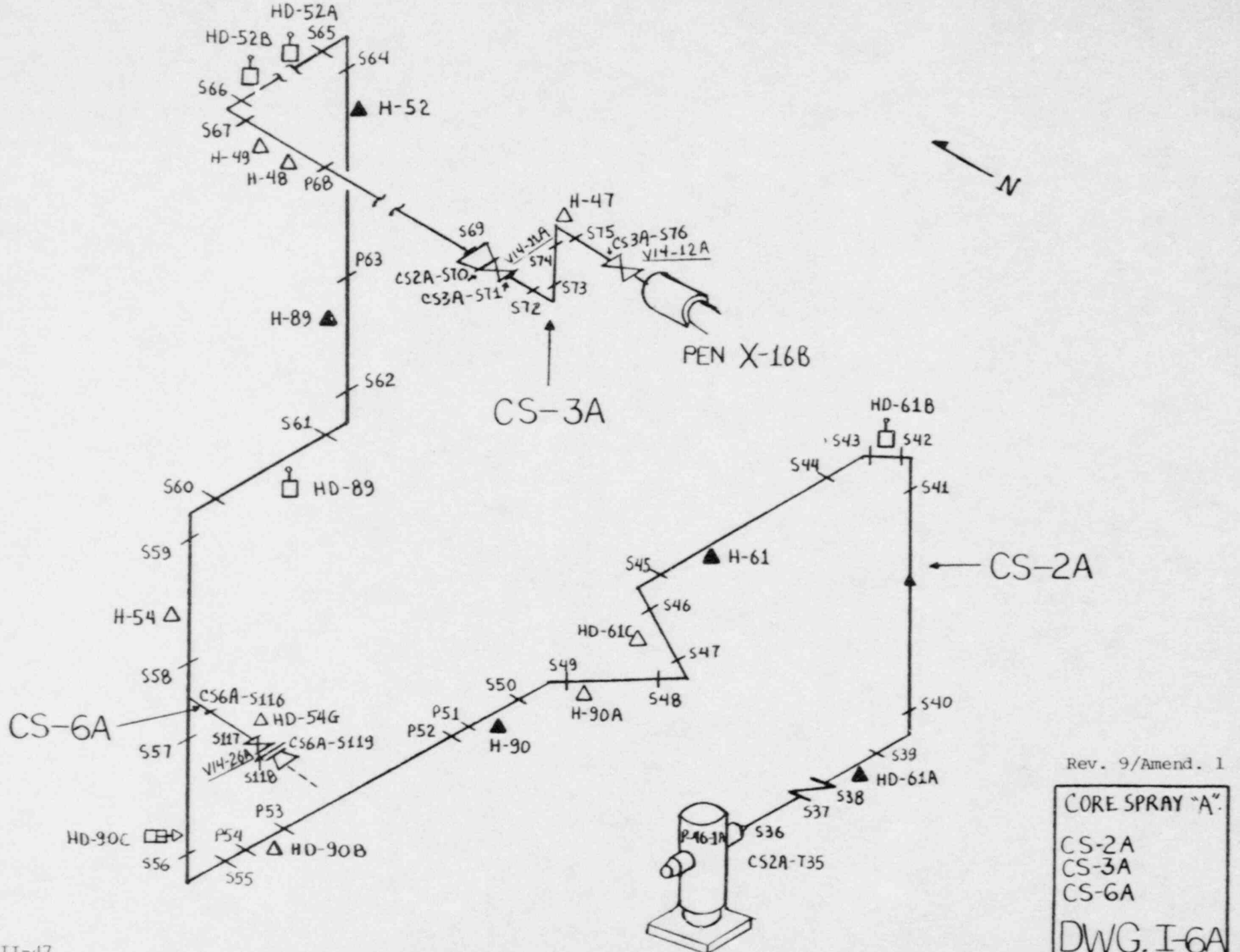
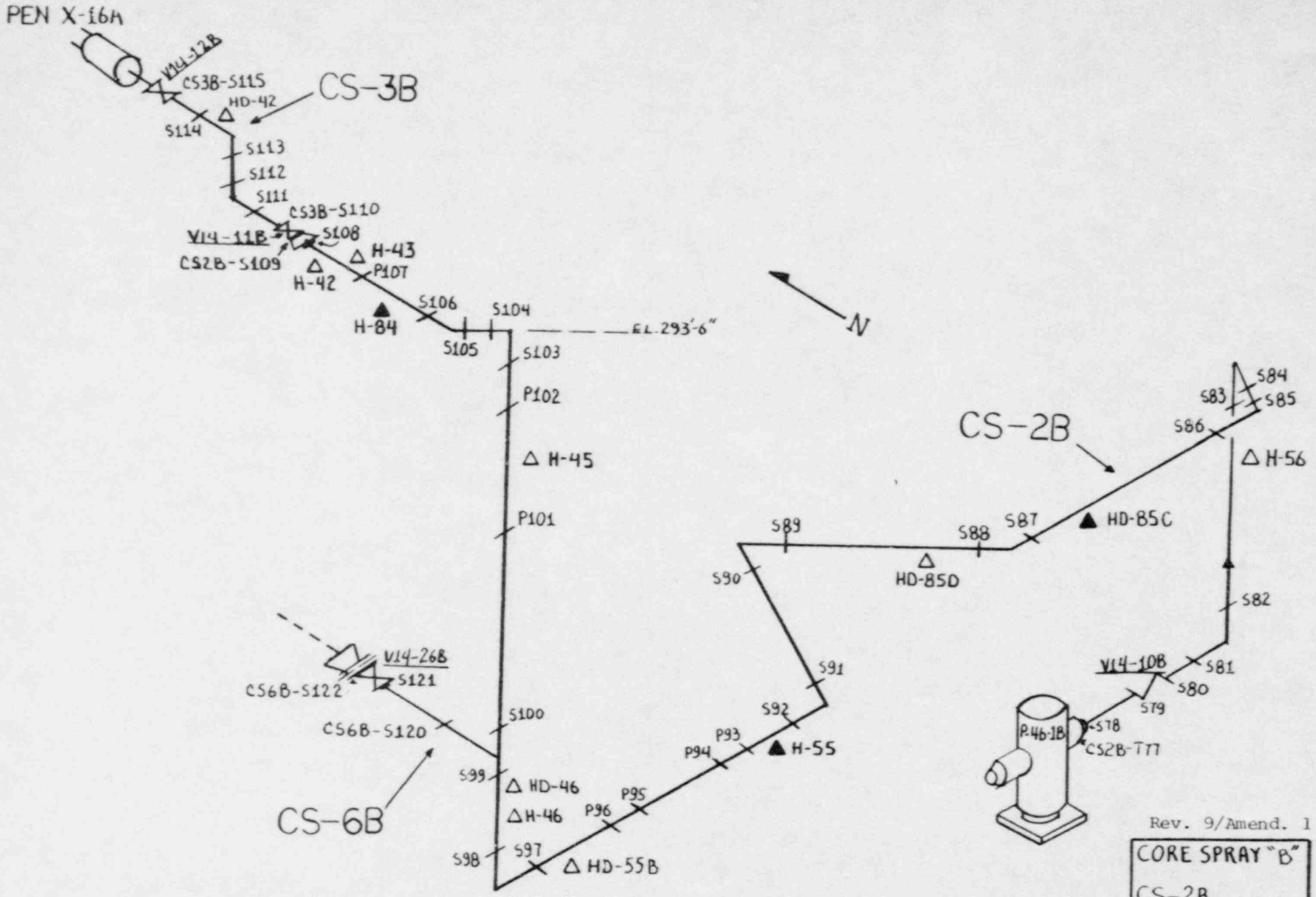
HPCI

HPCI-15A

DWG 1-5E


HD-52A
HD-52B
S65
S64
S66
H-52
S67
H-49
H-48
P68
H-47
S69
V14-11A
S75
CS3A-S76
V14-12A
S74
CS2A-S70
CS3A-S71
S73
S72
P63
H-89
PEN X-16B
CS-3A
S62
S61
HD-89
S60
HD-61B
S43
S42
S44
S41
S59
S45
H-61
CS-2A
H-54
S46
HD-61C
S47
S58
S49
S50
S48
H-90A
CS6A-S116
CS-6A
HD-54G
S40
P51
P52
H-90
S117
CS6A-S119
S57
V14-26A
S39
HD-61A
S118
S38
P53
S37
HD-90C
P54
HD-90B
P-16-1A
S36
S56
CS2A-T35
S55
N
Rev. 9/Amend. 1
CORE SPRAY "A"
CS-2A
CS-3A
CS-6A
DWG. I-6A



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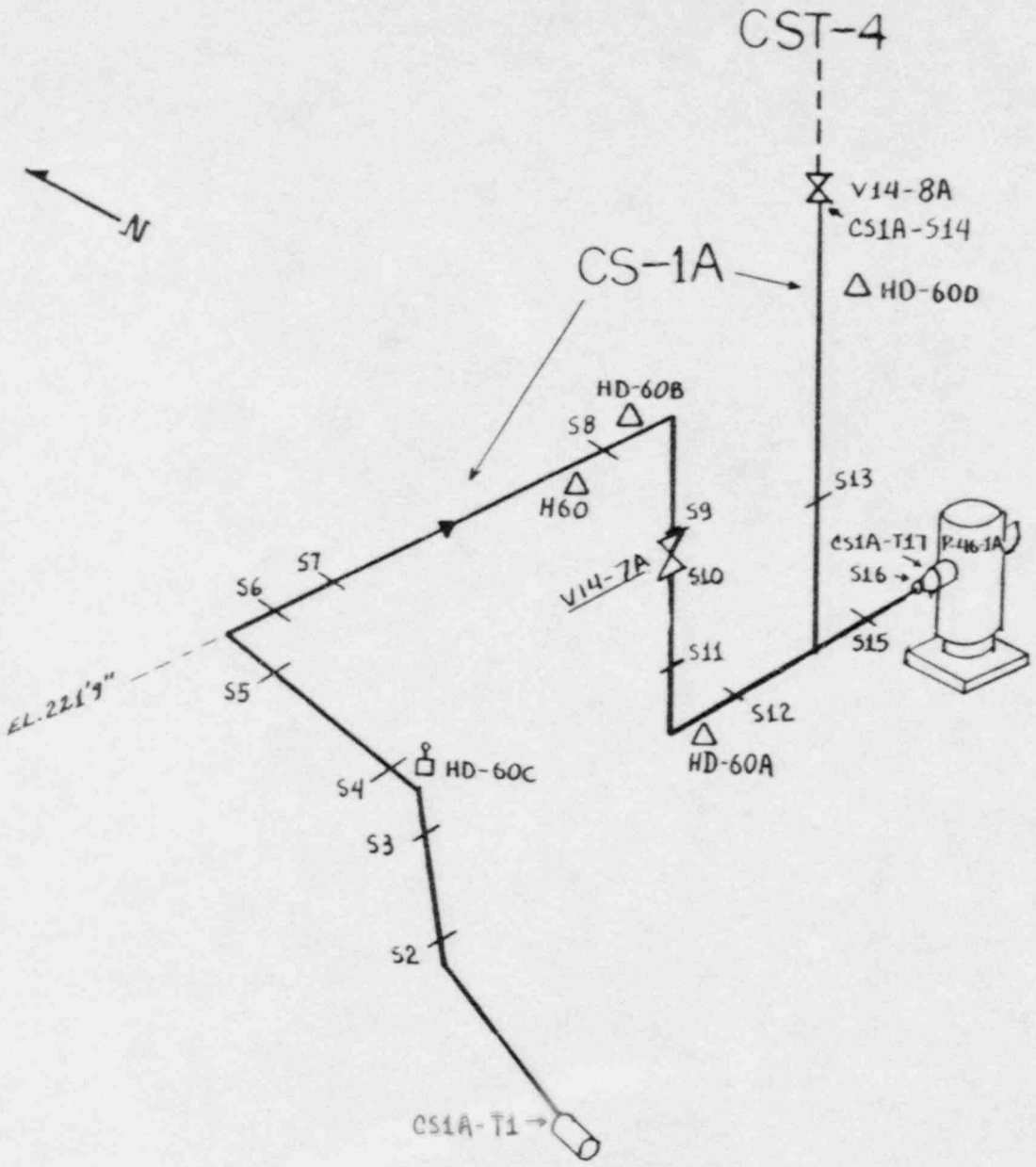
CORE SPRAY "B"

CS-2B
CS-3B
CS-6B

DWG. I-6B

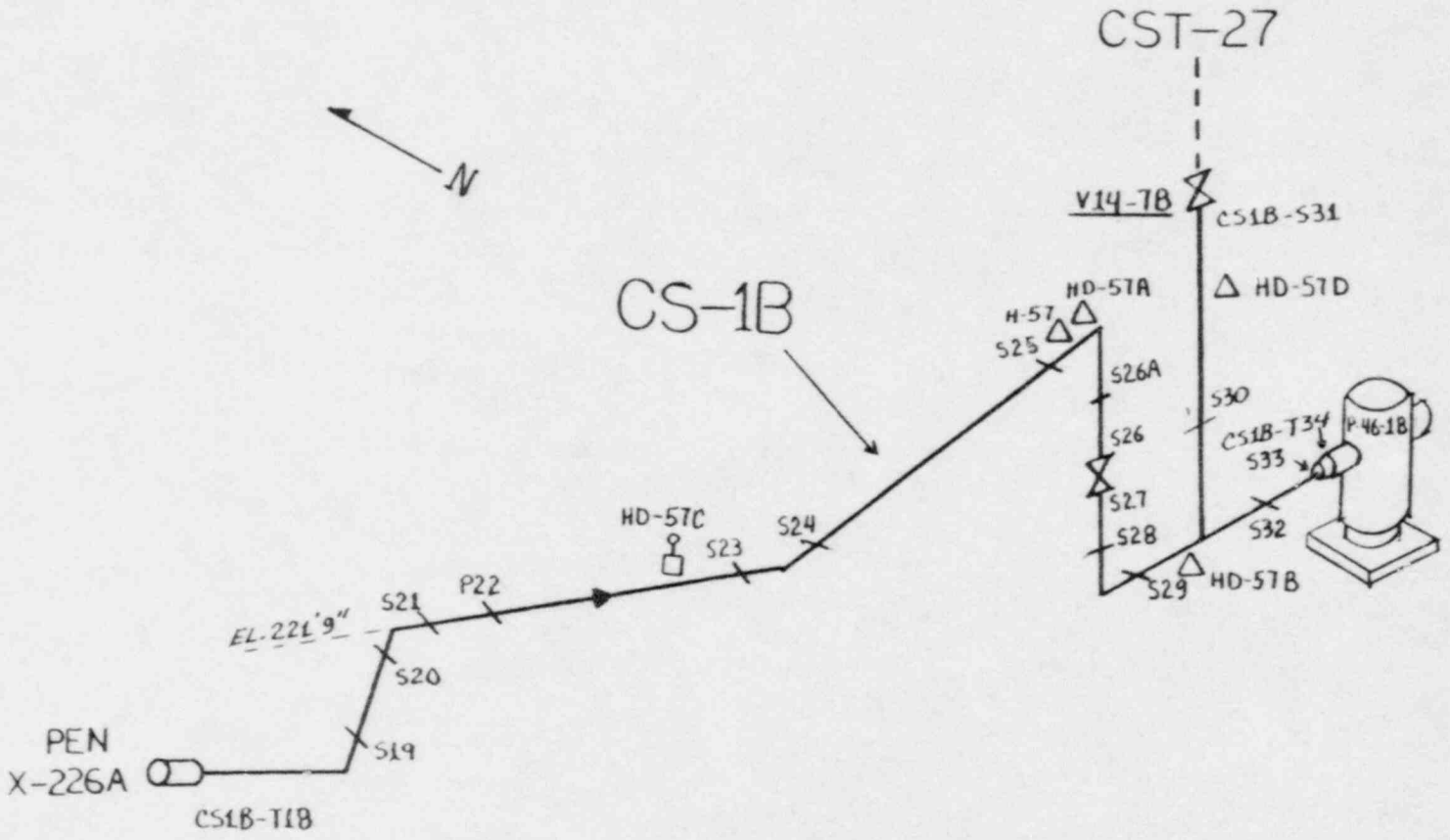


Rev. 9/Amend. 1

CORE SPRAY "A"

CS-1A

DWG. I-6C



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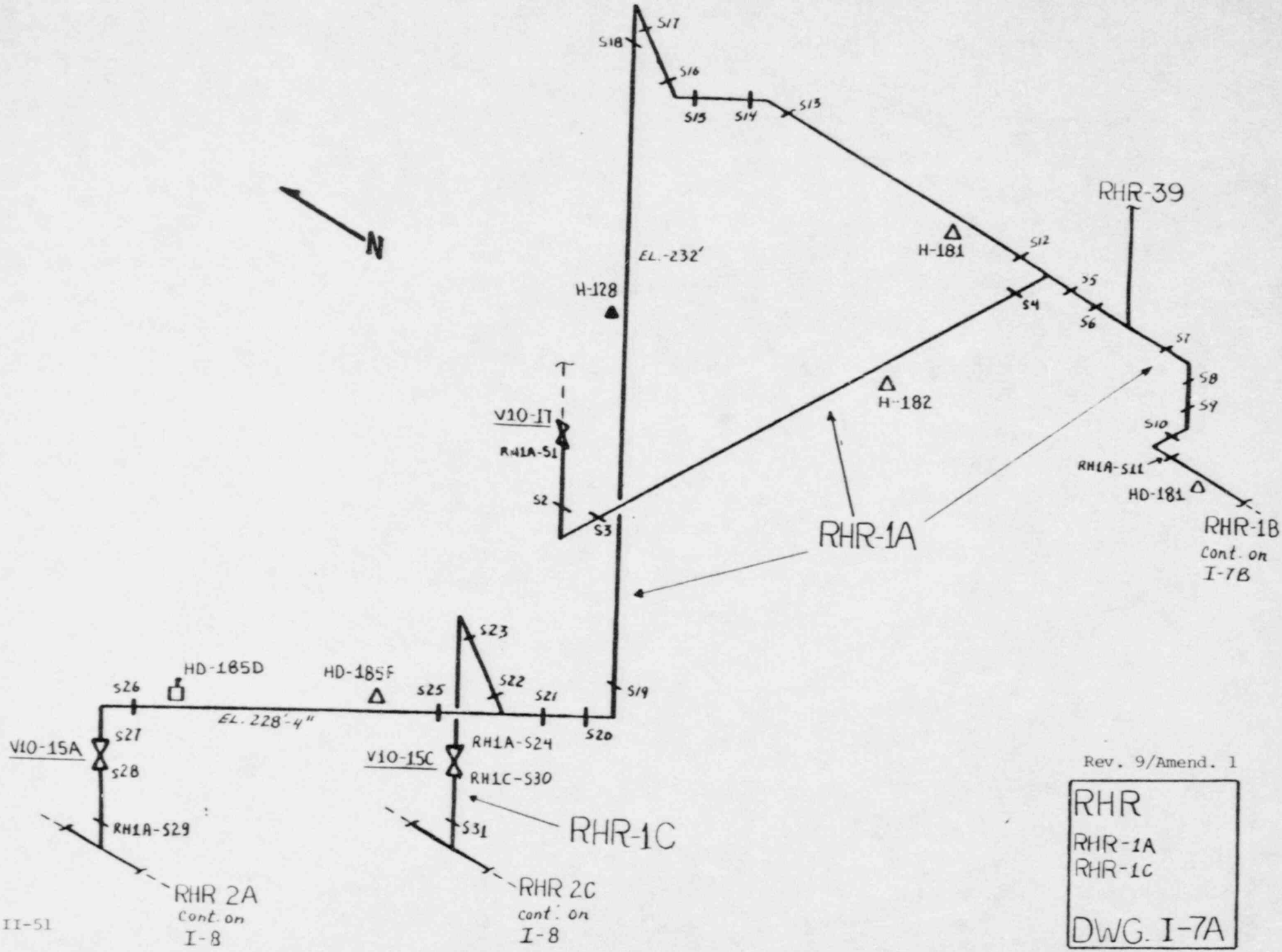
CORE SPRAY "B"

CS-1B

DWG. I-6D



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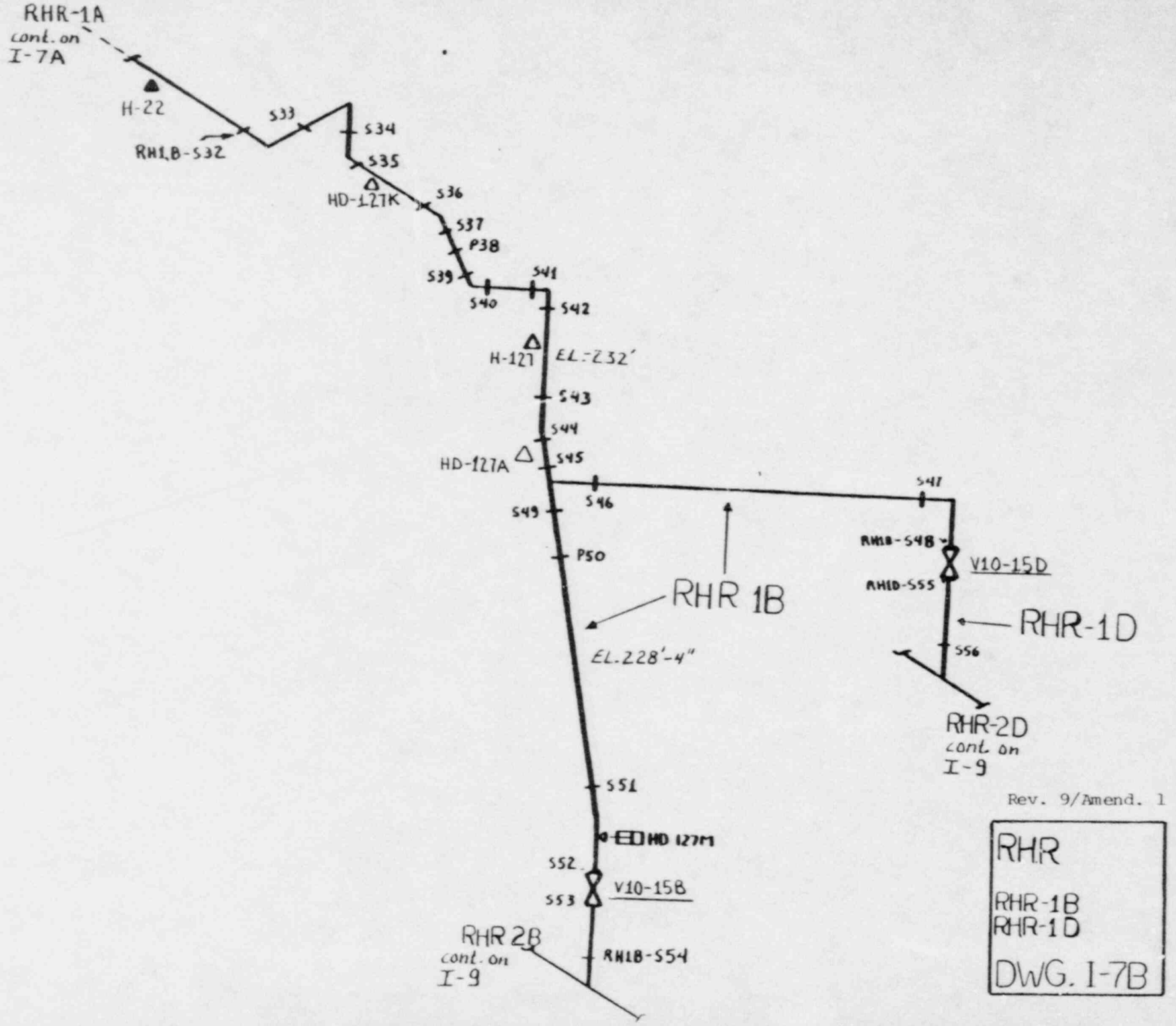
RHR

RHR-1A

RHR-1C

DWG. I-7A

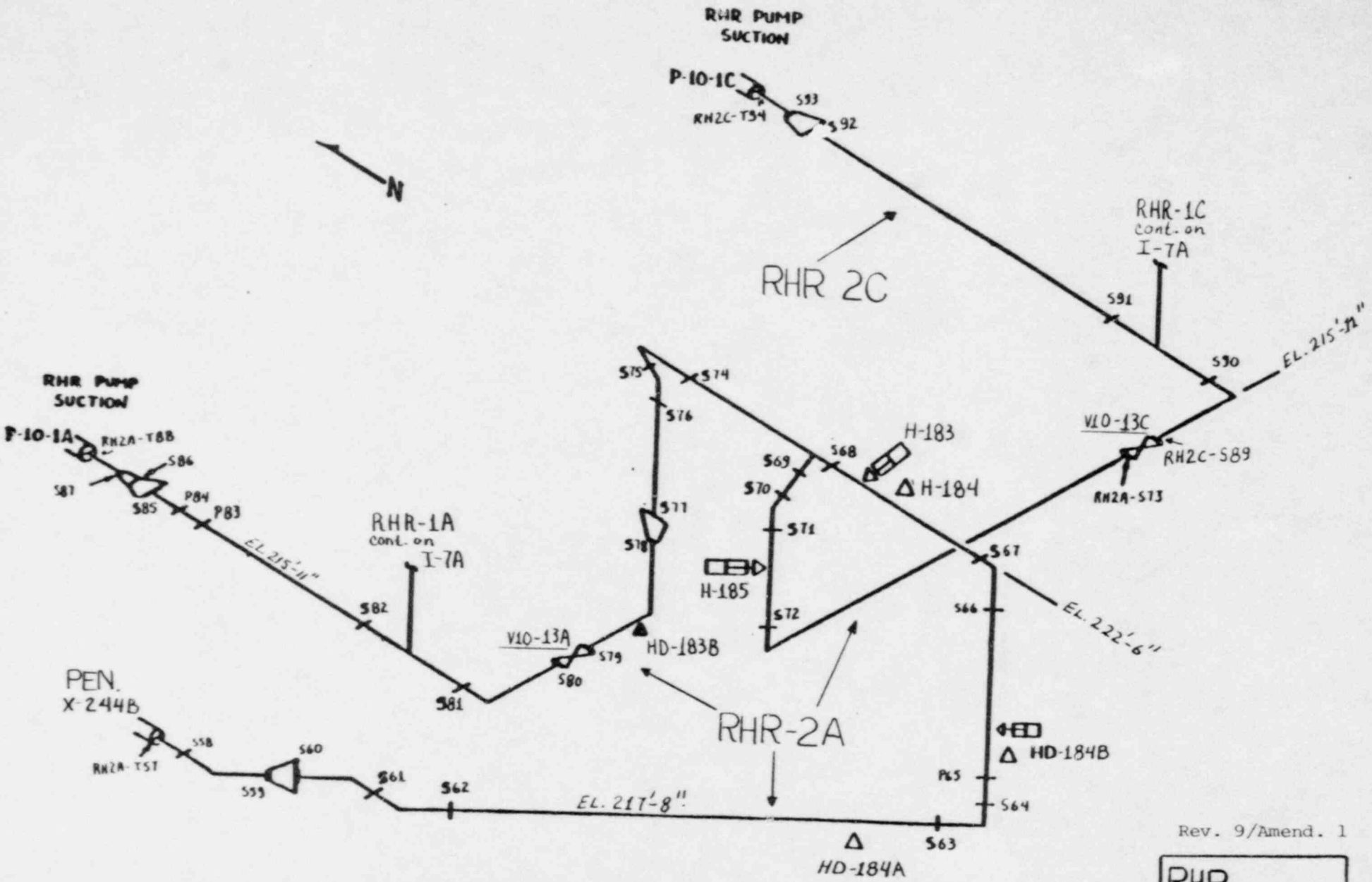


Rev. 9/Amend. 1

RHR

RHR-1B
RHR-1D

DWG. I-7B

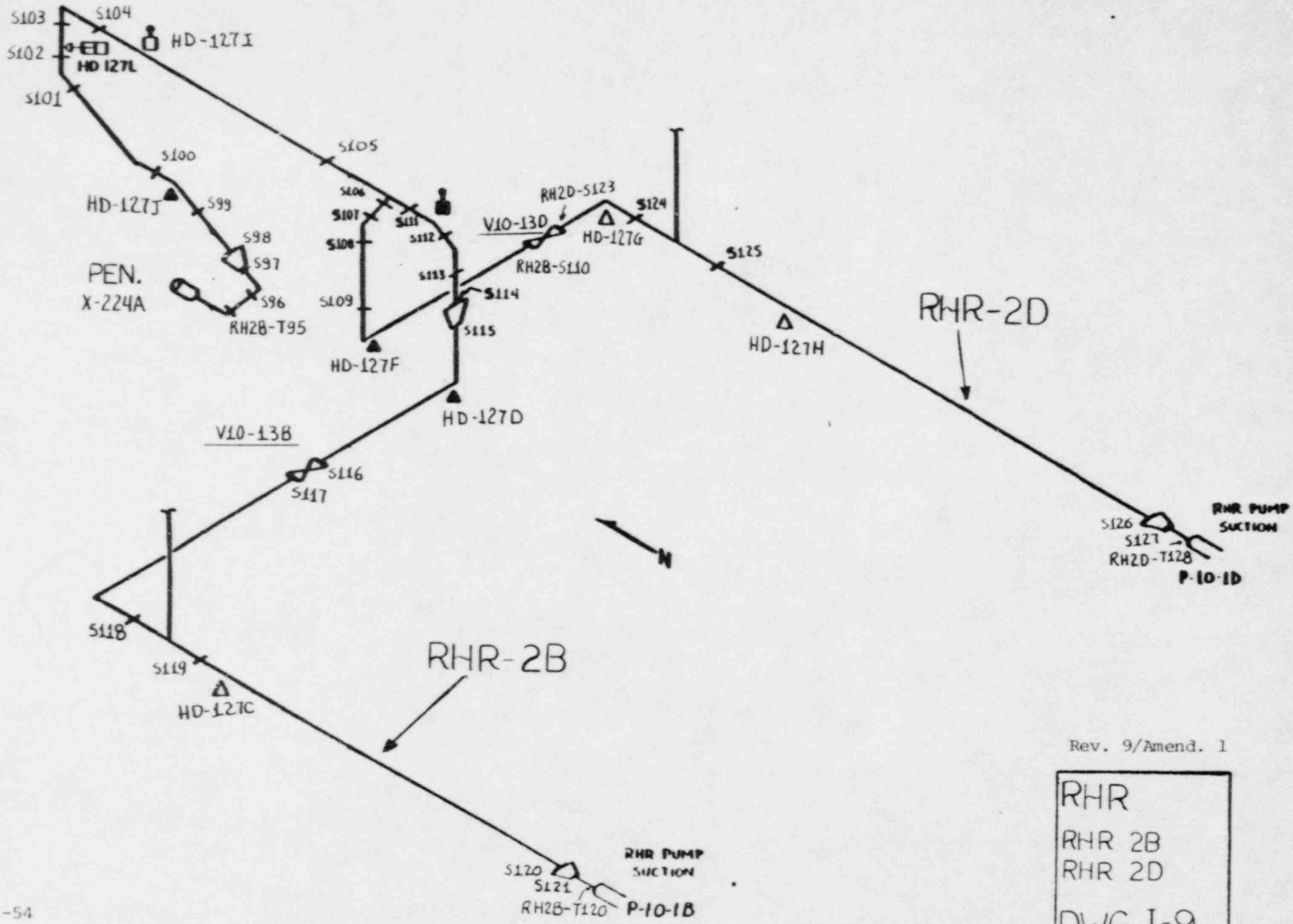


Rev. 9/Amend. 1

RHR

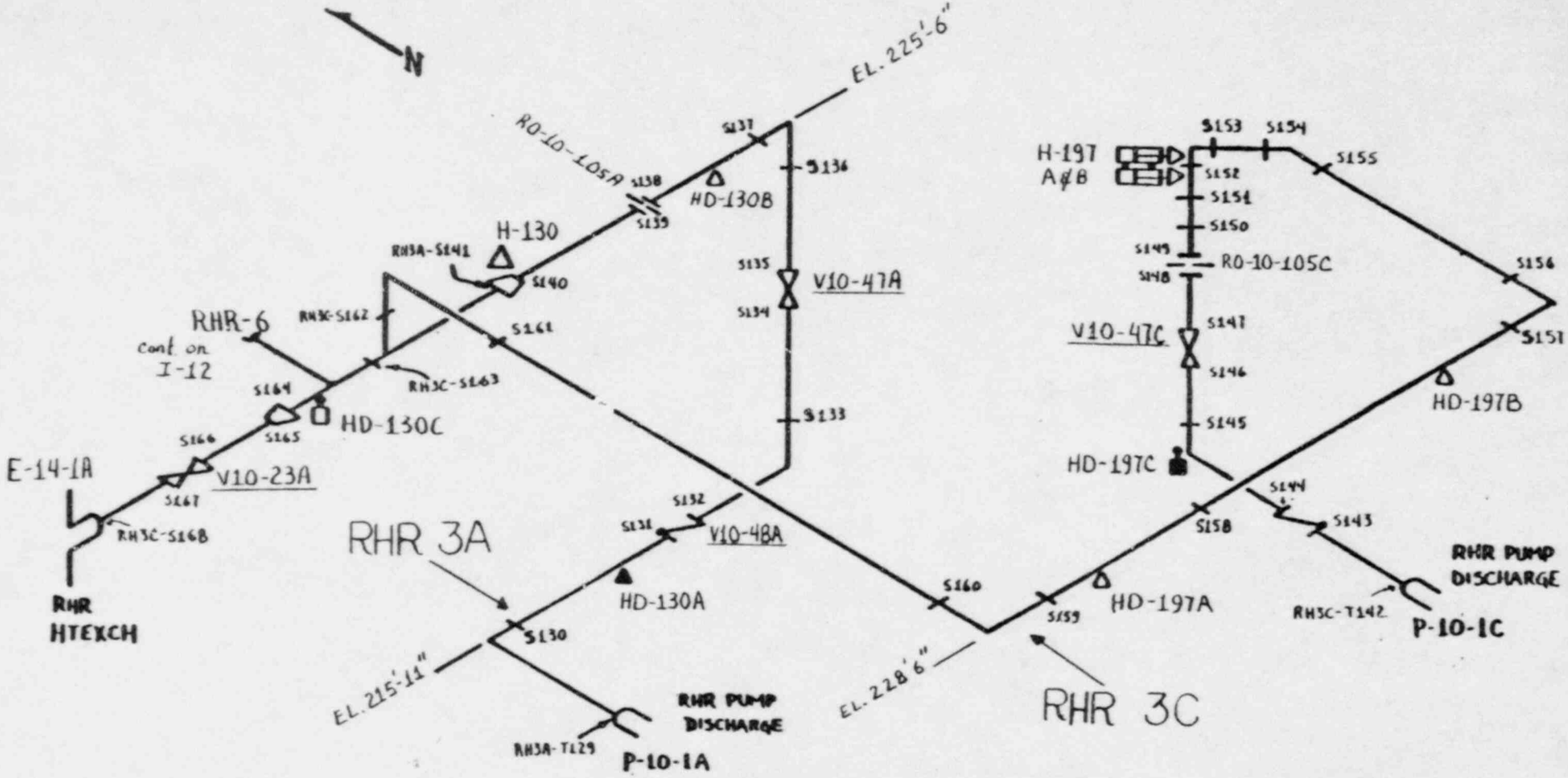
RHR 2A
RHR 2C

DWG. I-8



Rev. 9/Amend. 1

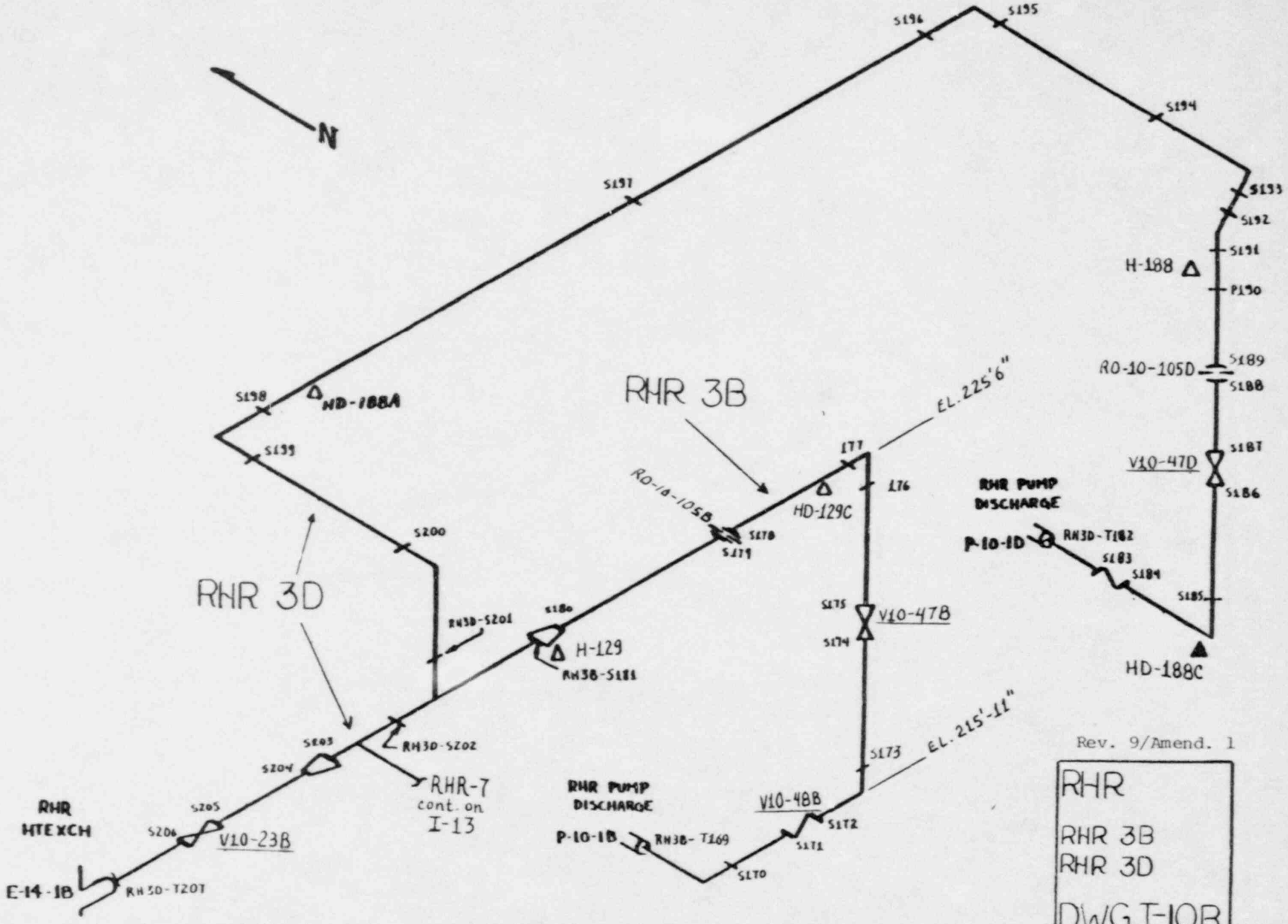
RHR
RHR 2B
RHR 2D
DWG. I-9

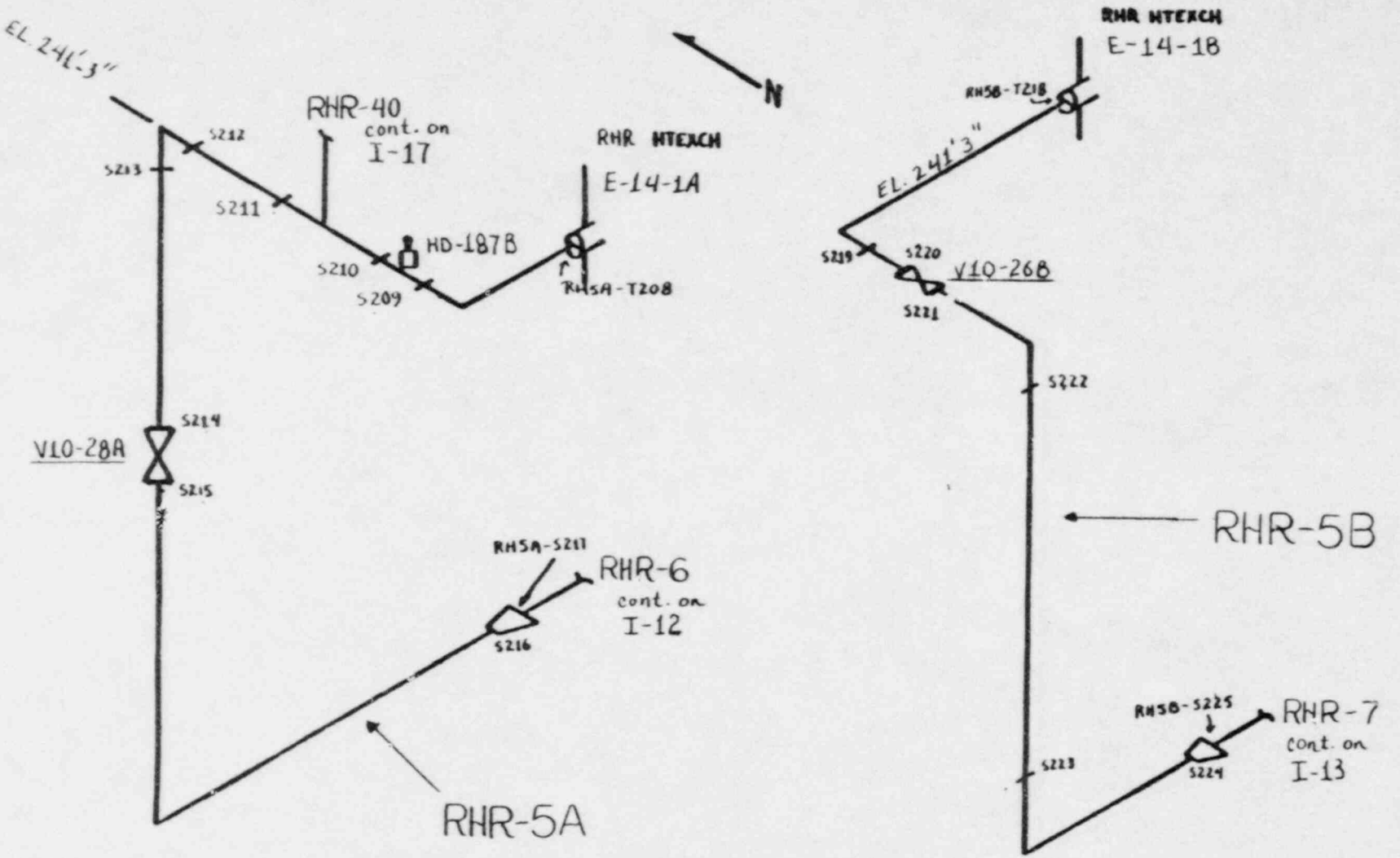


Rev. 9/Amend. 1

RHR
RHR-3A
RHR-3C

DWG. I-10A


N
S196
S195
S194
S197
S193
S192
S191
H-188
P190
RO-10-105D
S189
S188
V10-47D
S187
S186
RHR PUMP DISCHARGE
P-10-1D
RH3D-T182
S183
S184
S185
HD-188C
RHR 3B
EL. 225'6"
L77
L76
HD-129C
RO-10-105B
S178
S179
S198
HD-188A
S199
S200
RHR 3D
RH3D-S201
S180
H-129
RH3B-S181
S175
V10-47B
S174
RH3D-S202
S203
S204
S205
S206
V10-23B
RHR HTEXCH
E-14-1B
RH3D-T207
RHR-7
cont. on
I-13
RHR PUMP DISCHARGE
P-10-1B
RH3B-T169
S173
EL. 215'-11"
V10-48B
S172
S171
S170
Rev. 9/Amend. 1
RHR
RHR 3B
RHR 3D
DWG. I-10B

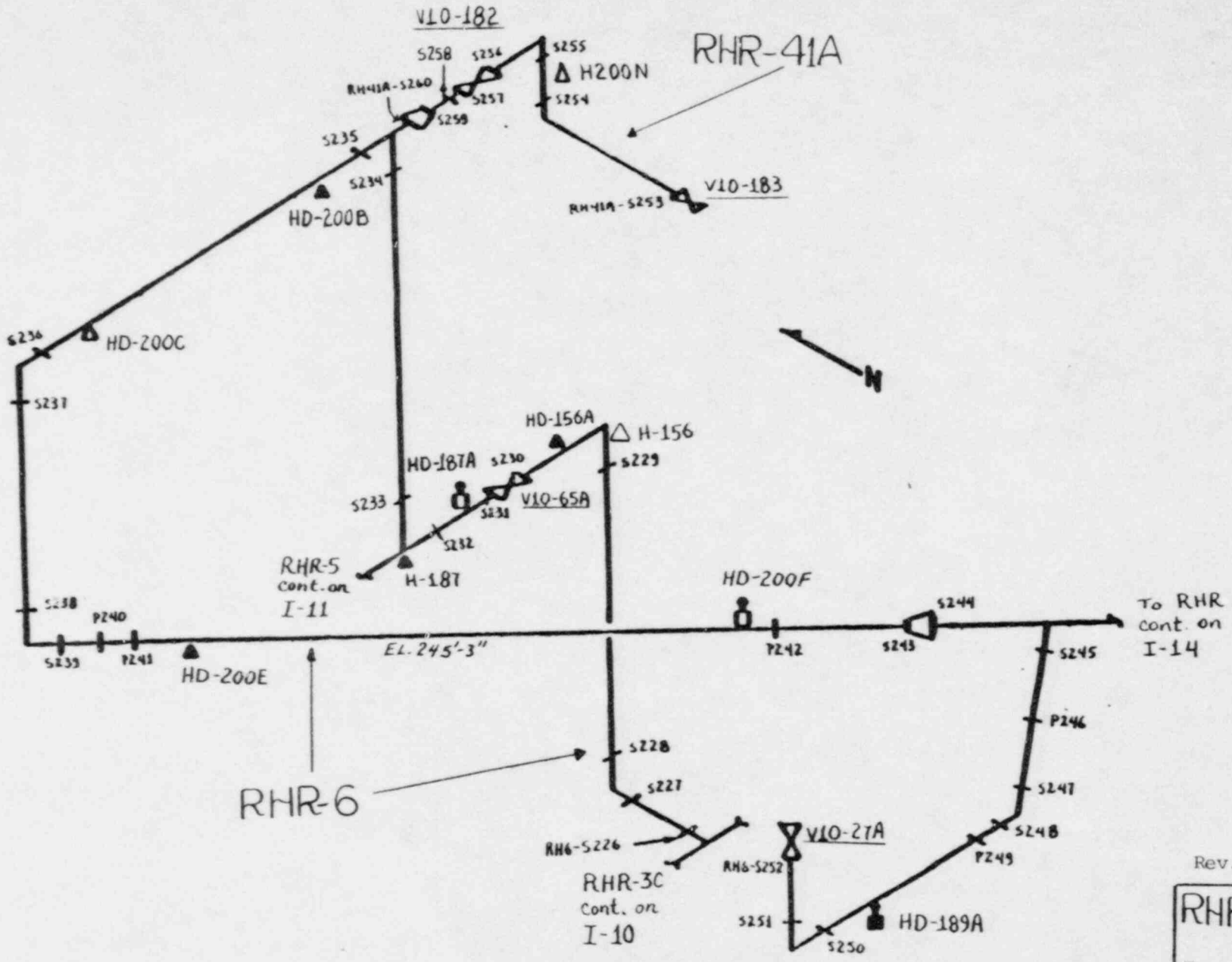


Rev. 9/Amend. 1

RHR

RHR 5A
RHR 5B

DWG. I-11

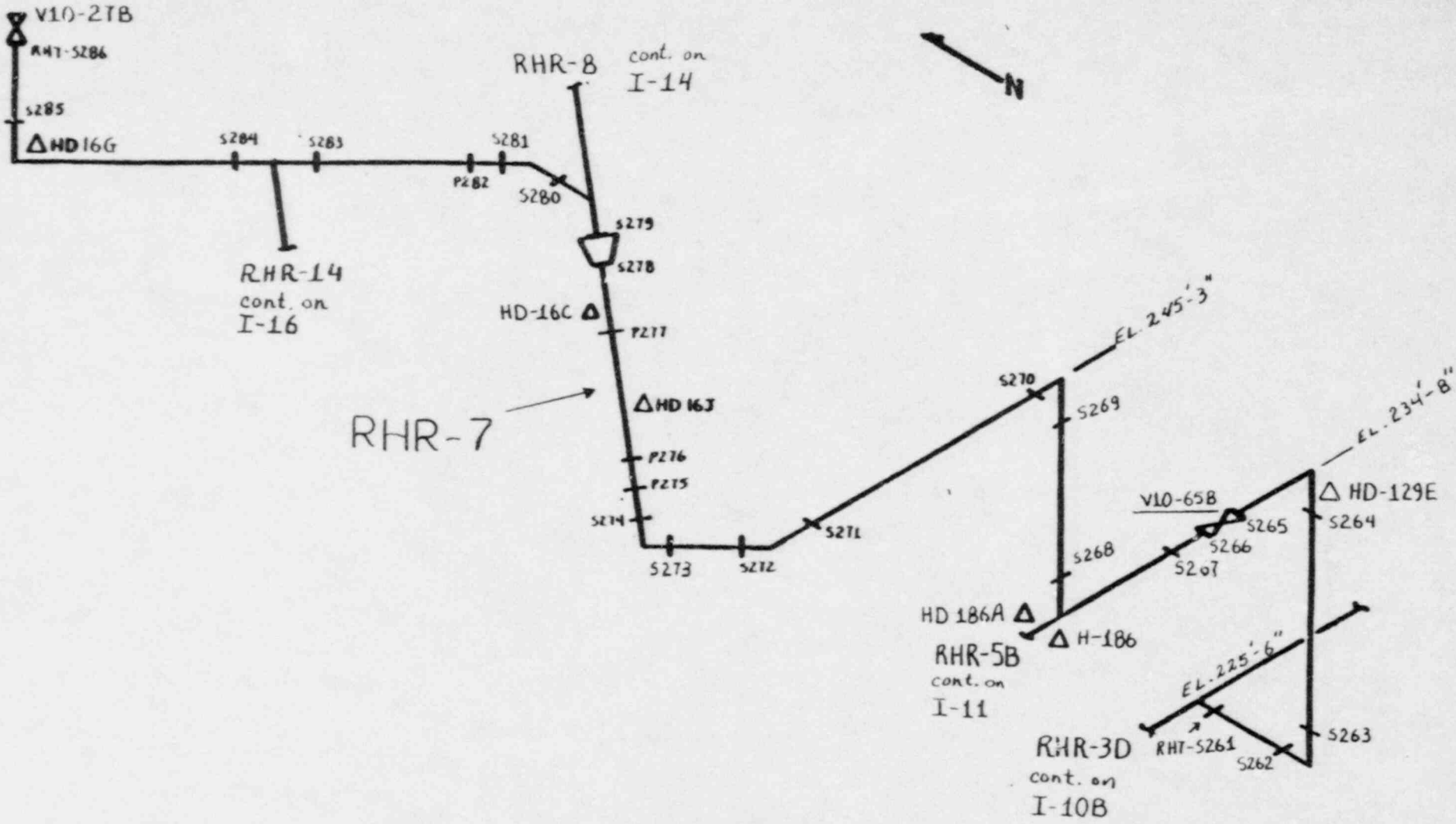


Rev. 9/Amend. 1

RHR

RHR 6
RHR 41A

DWG. I-12

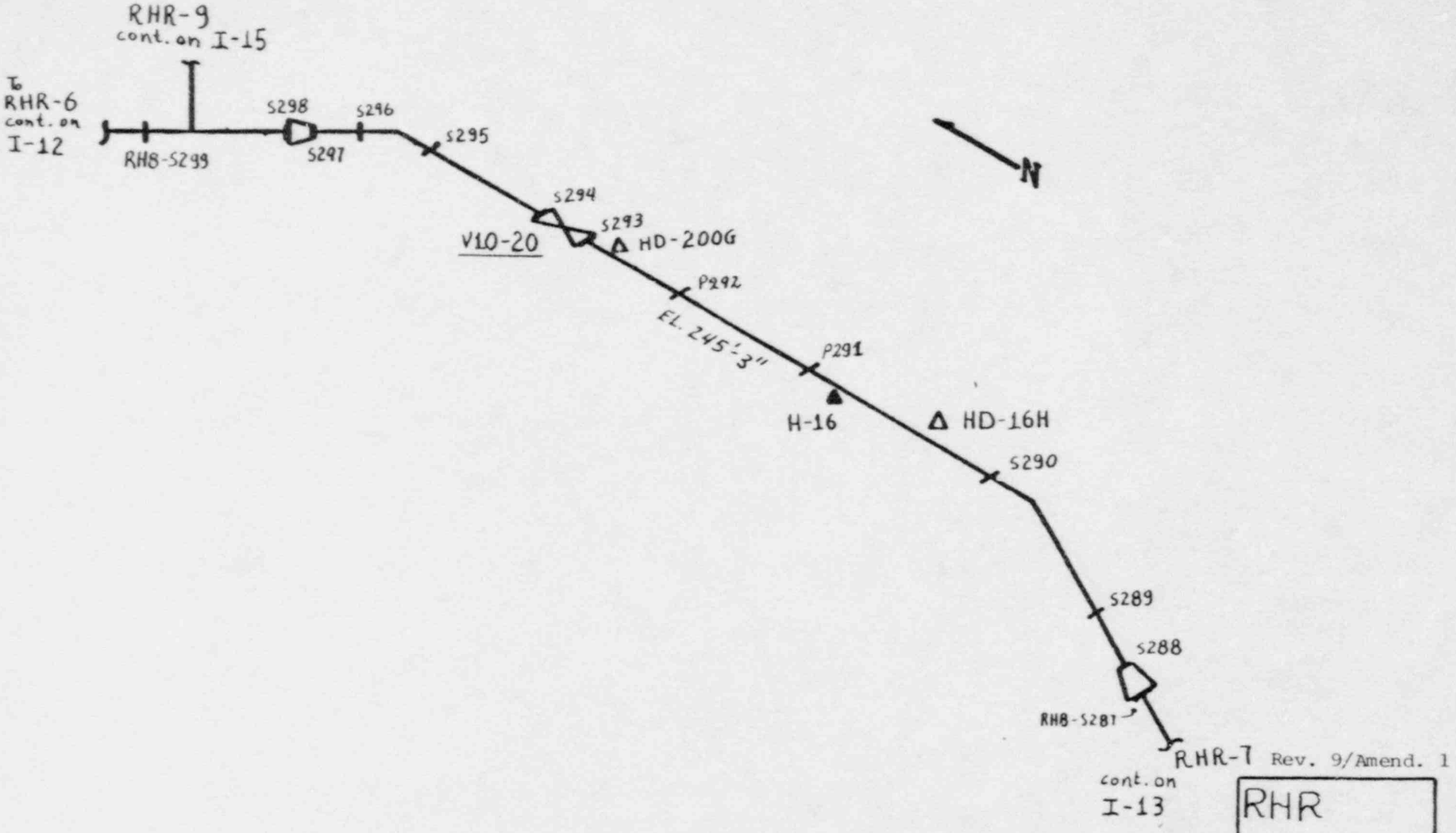


Rev. 9/Amend. 1

RHR

RHR-7

DWG. I-13

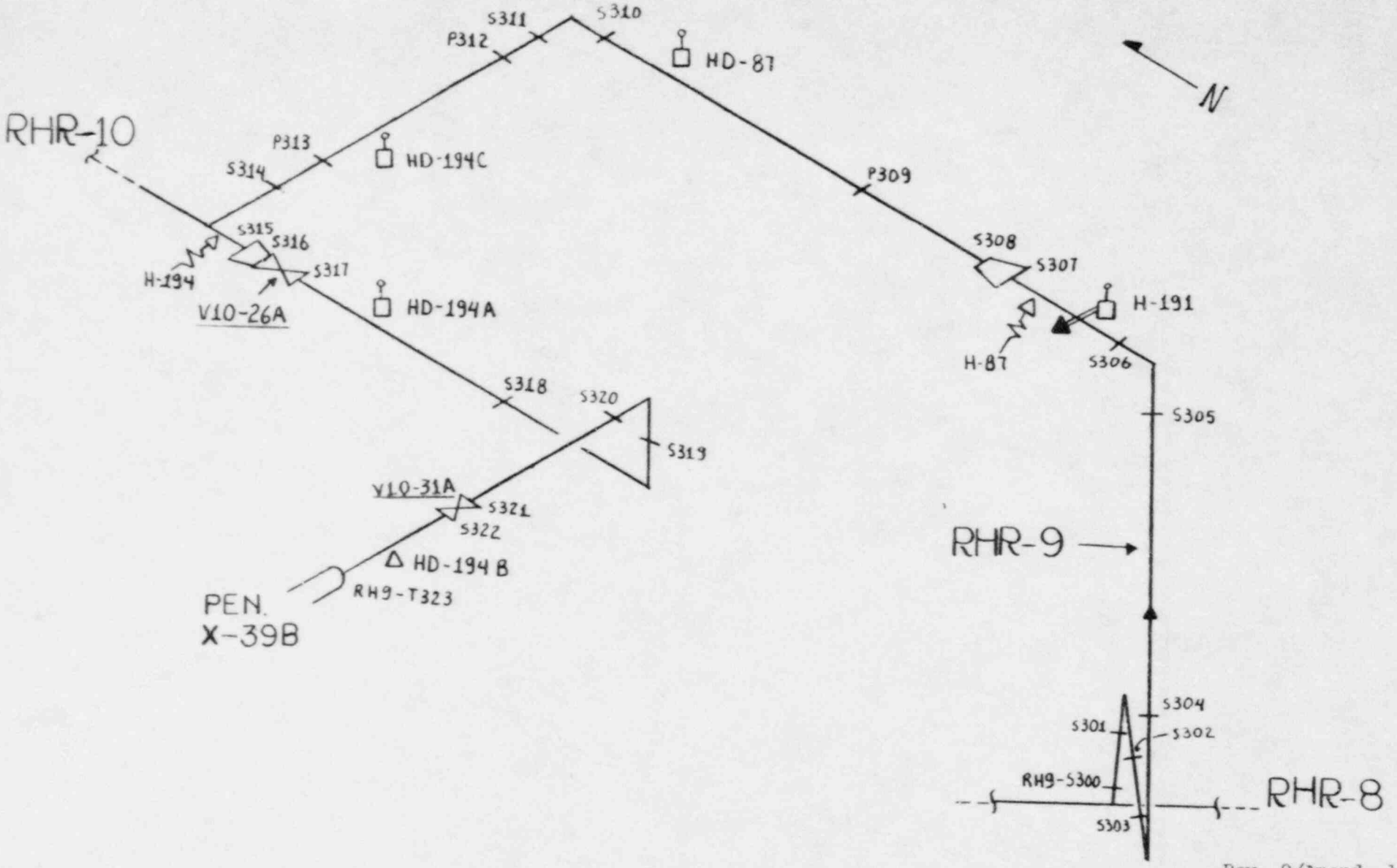


Rev. 9/Amend. 1

RHR

RHR-8

DWG. I-14

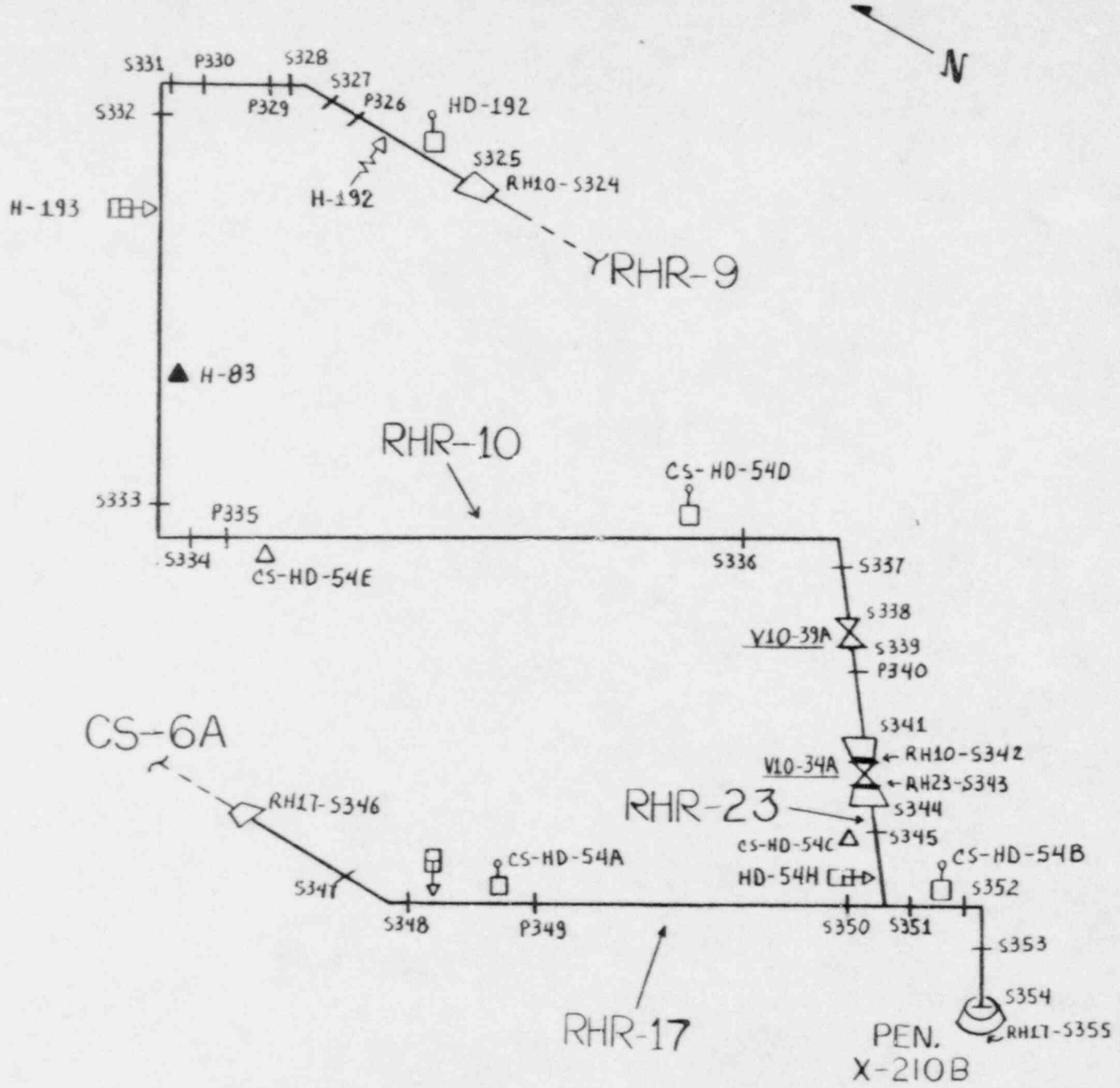


Rev. 9/Amend. 1

RHR

RHR-9

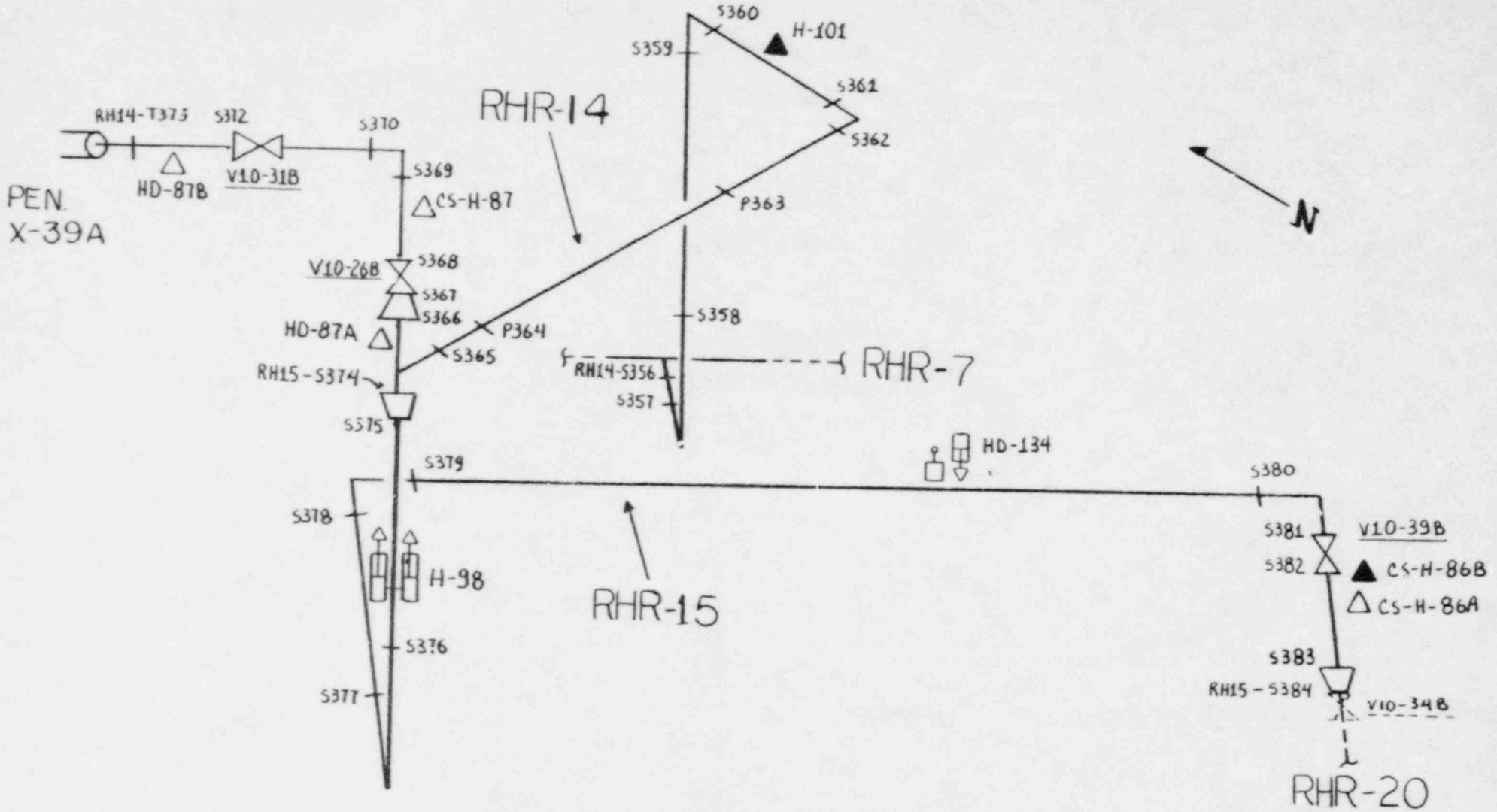
DWG. H5



Rev. 9/Amend. 1

RHR
RHR-10
RHR-17
RHR-23

DRW. I-15A

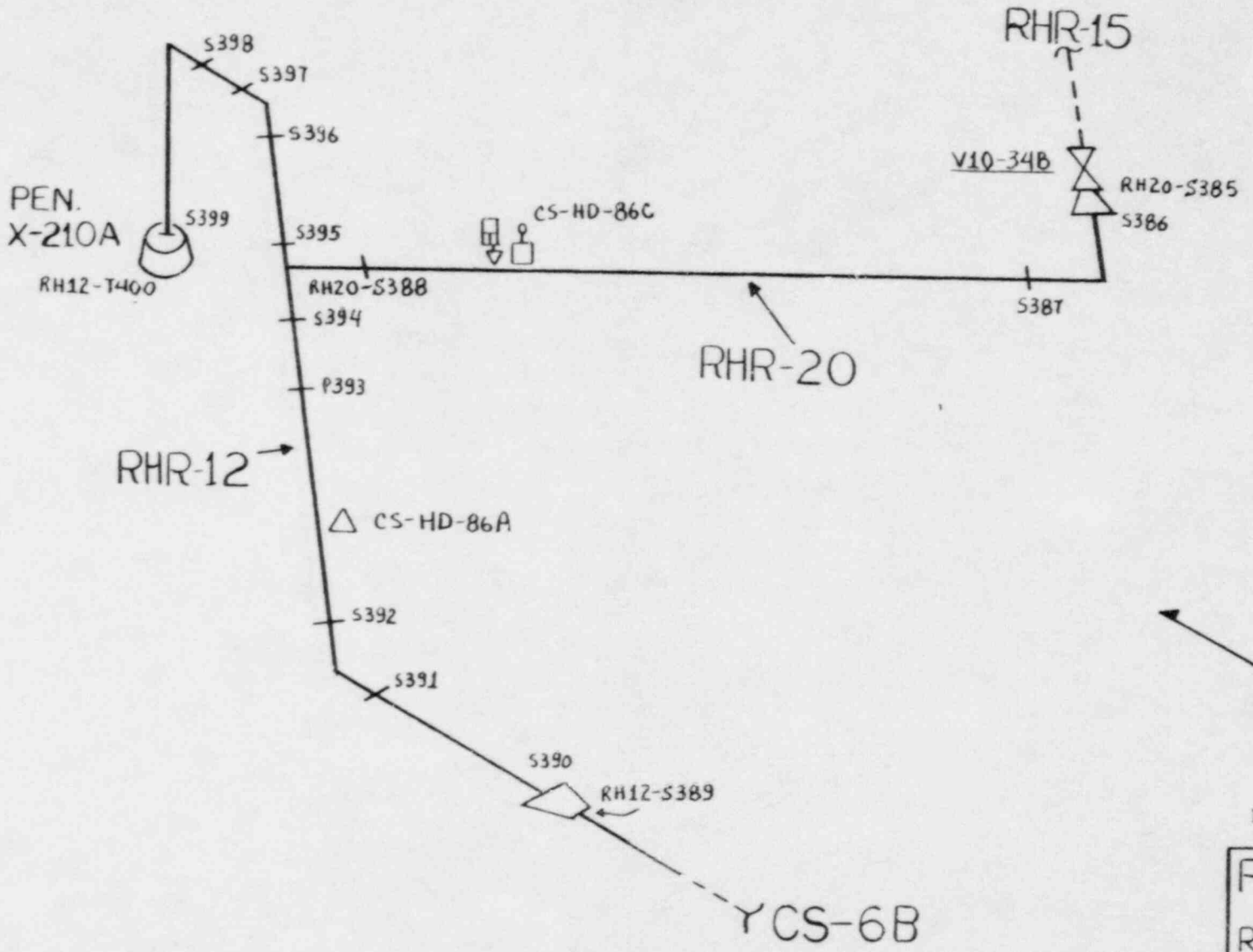


Rev. 9/Amend. 1

RHR

RHR 14
RHR 15

DWG. I-16

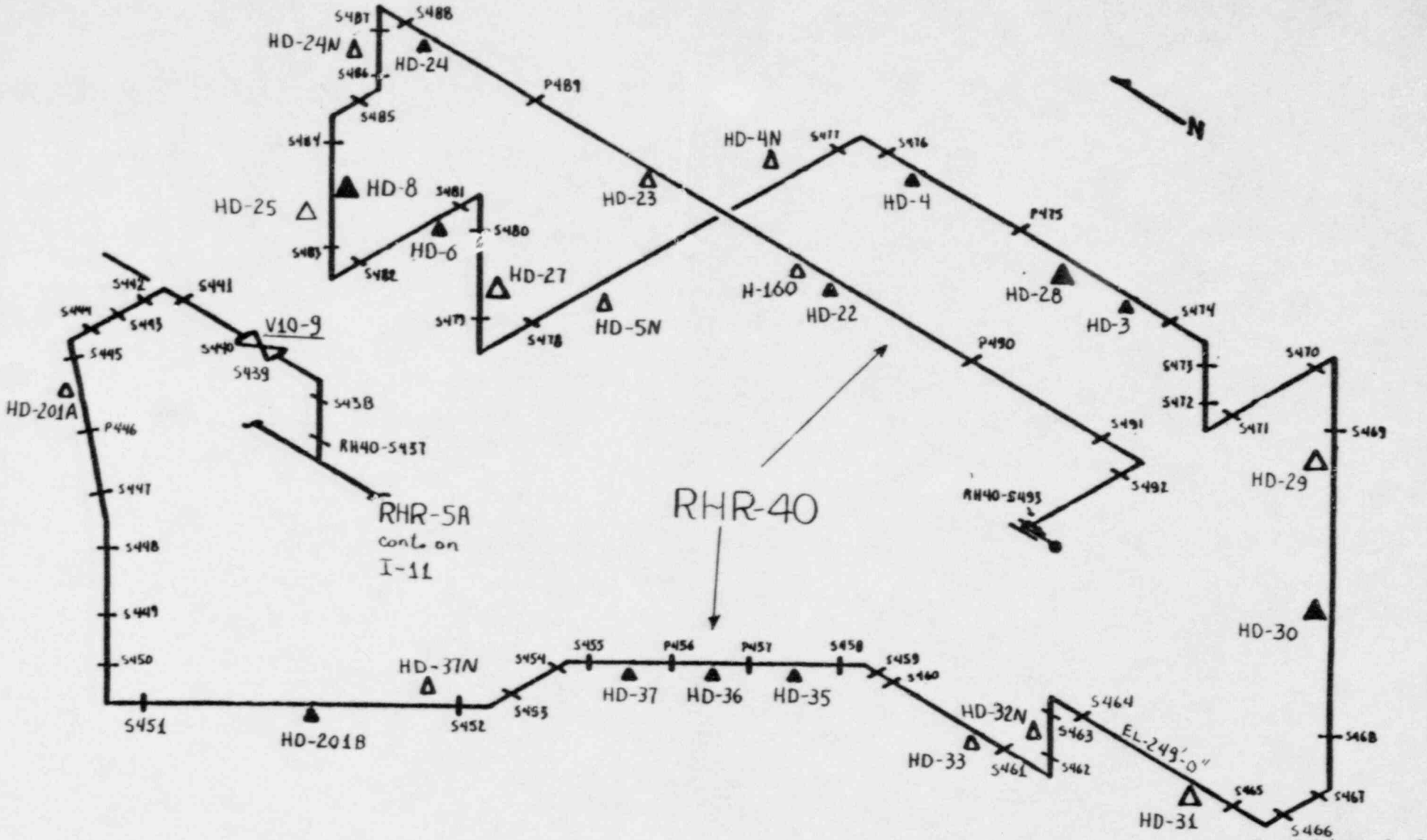


Rev. 9/Amend. 1

RHR

RHR-12
RHR-20

DWG. I-16A

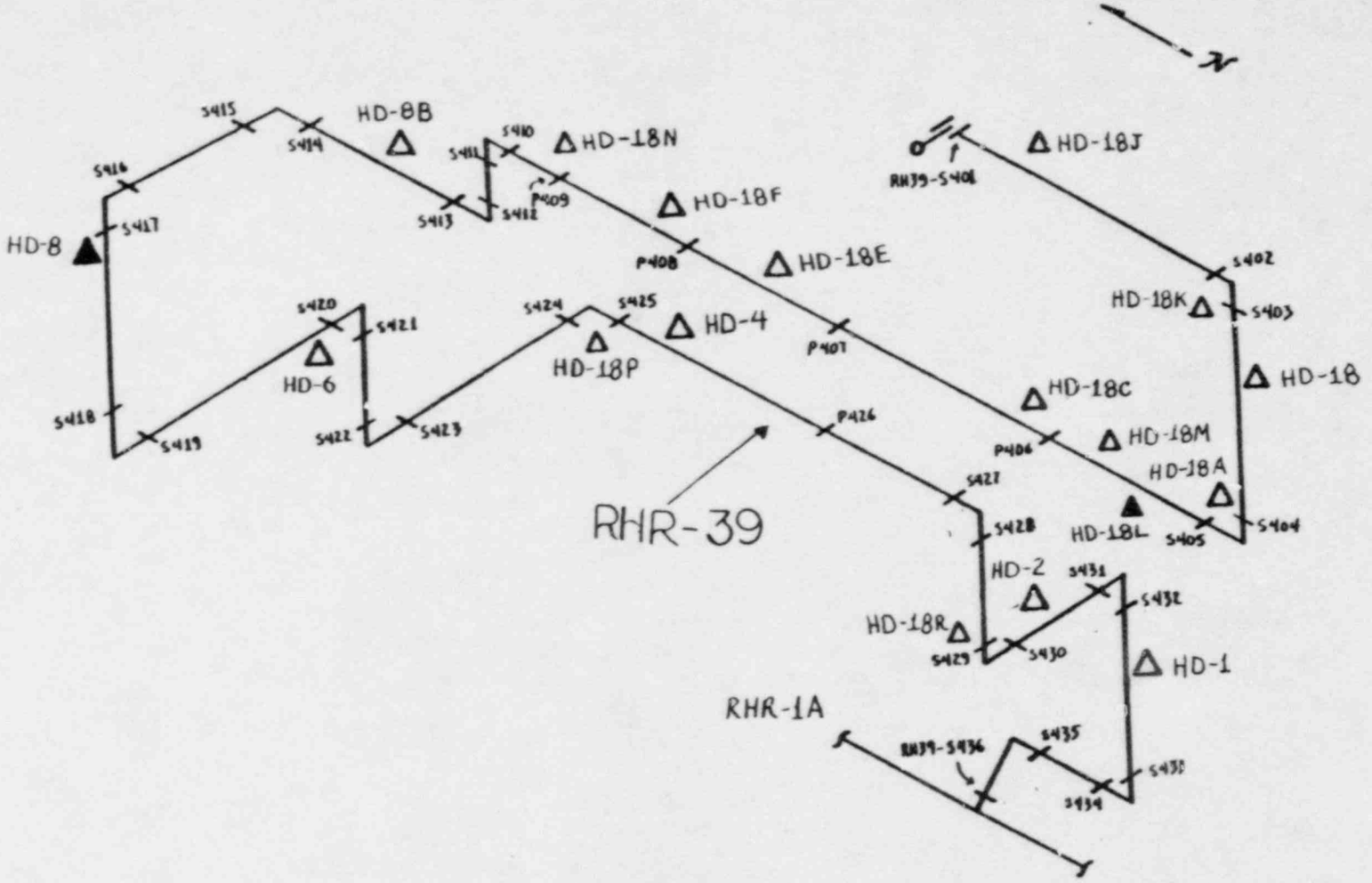


Rev. 9/Amend. 1

RHR

RHR-40

DWG. I-17

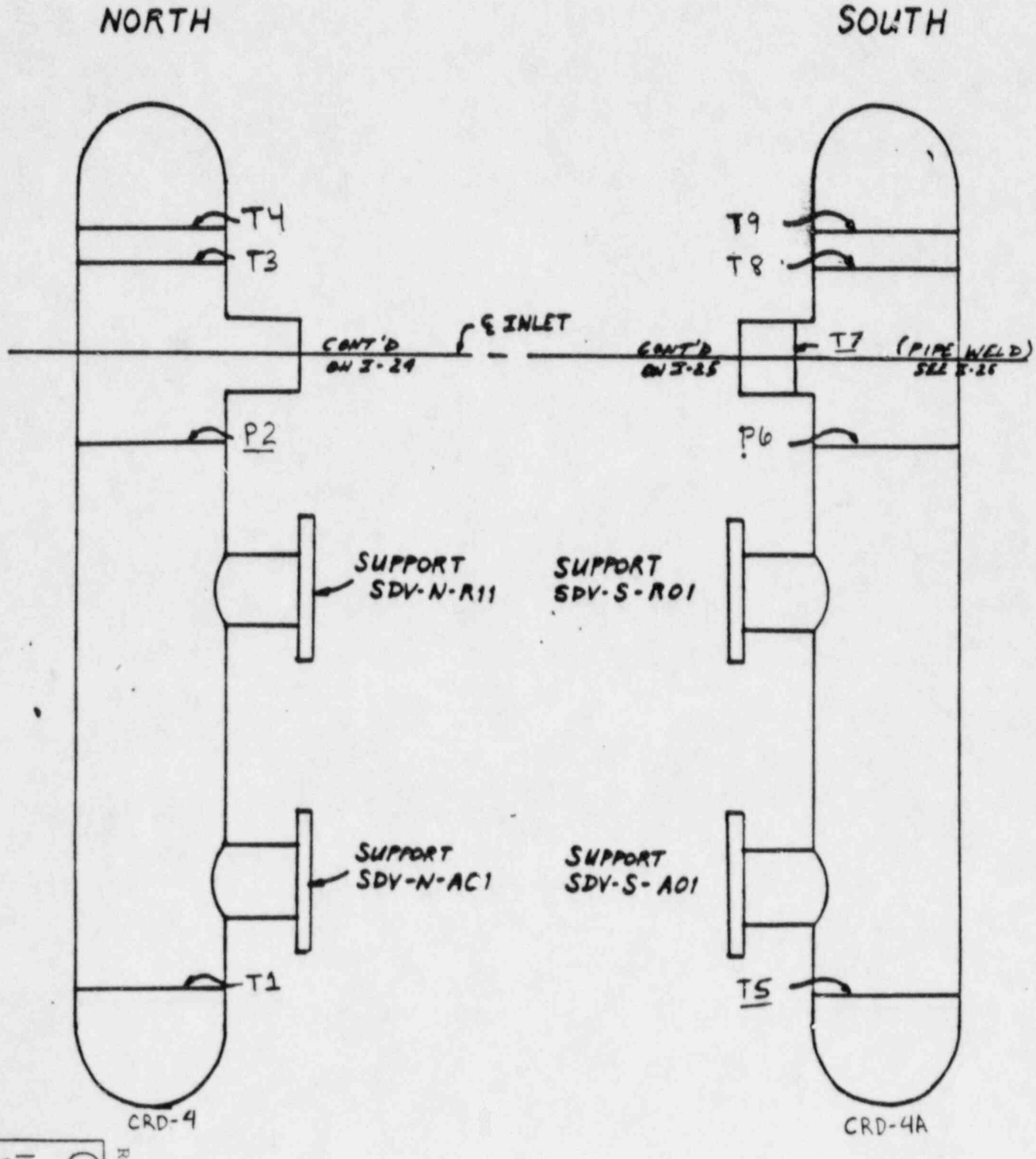


Rev. 9/Amend. 1

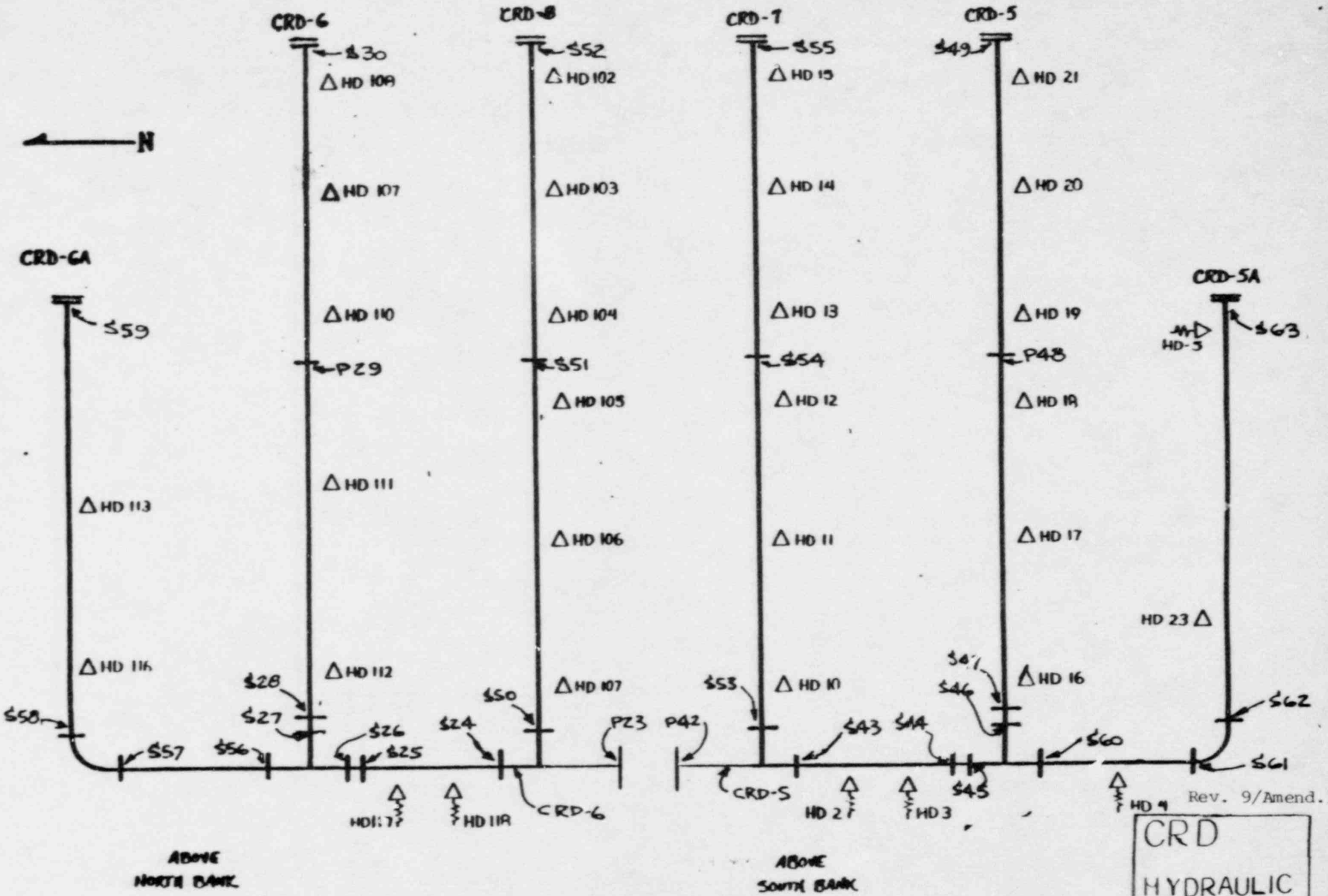
RHR

RHR 39

DWG. I-18

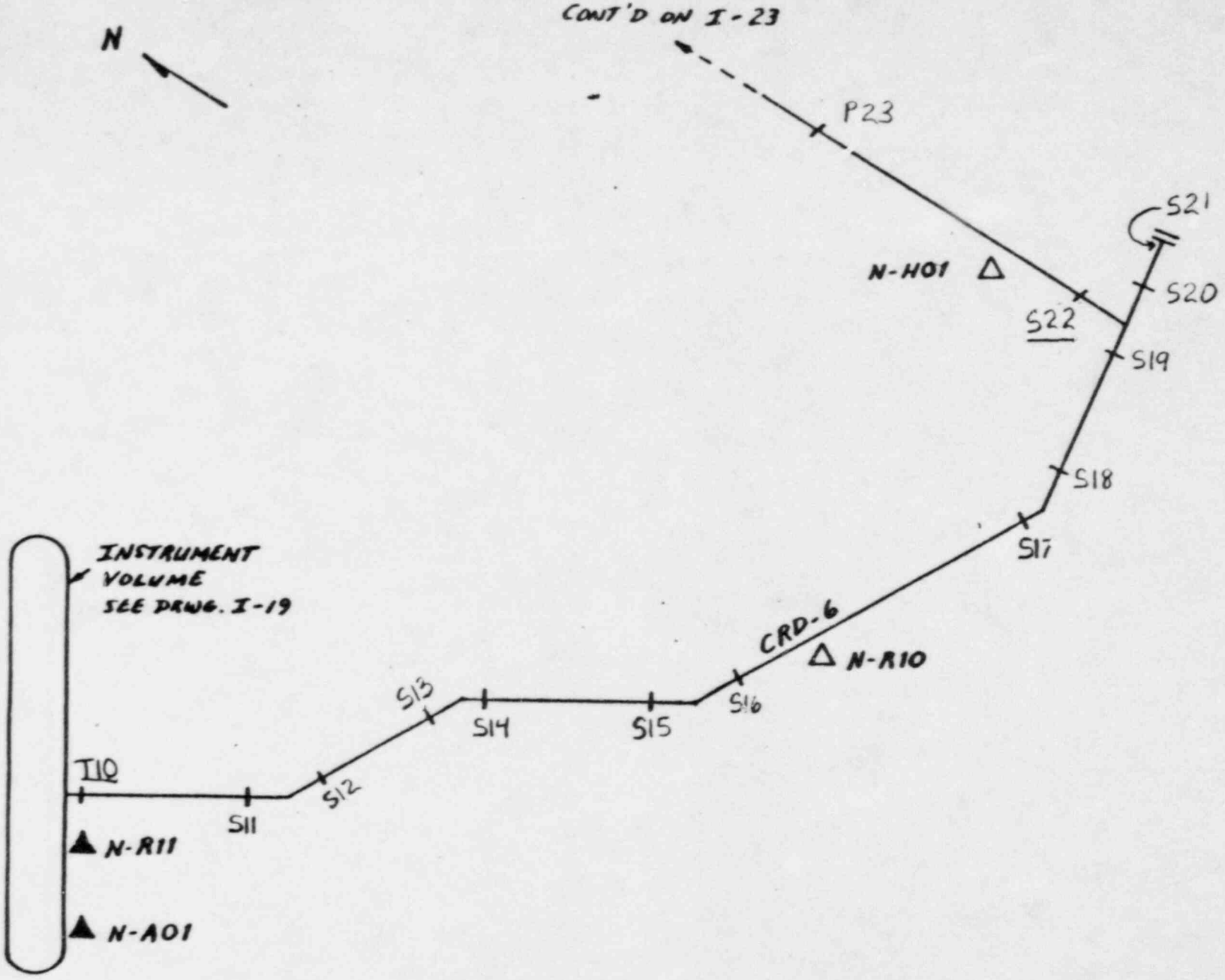


CRD INST. VOLUMES DWG 1-19



Rev. 9/Amend.1

CRD HYDRAULIC DWG 1-23

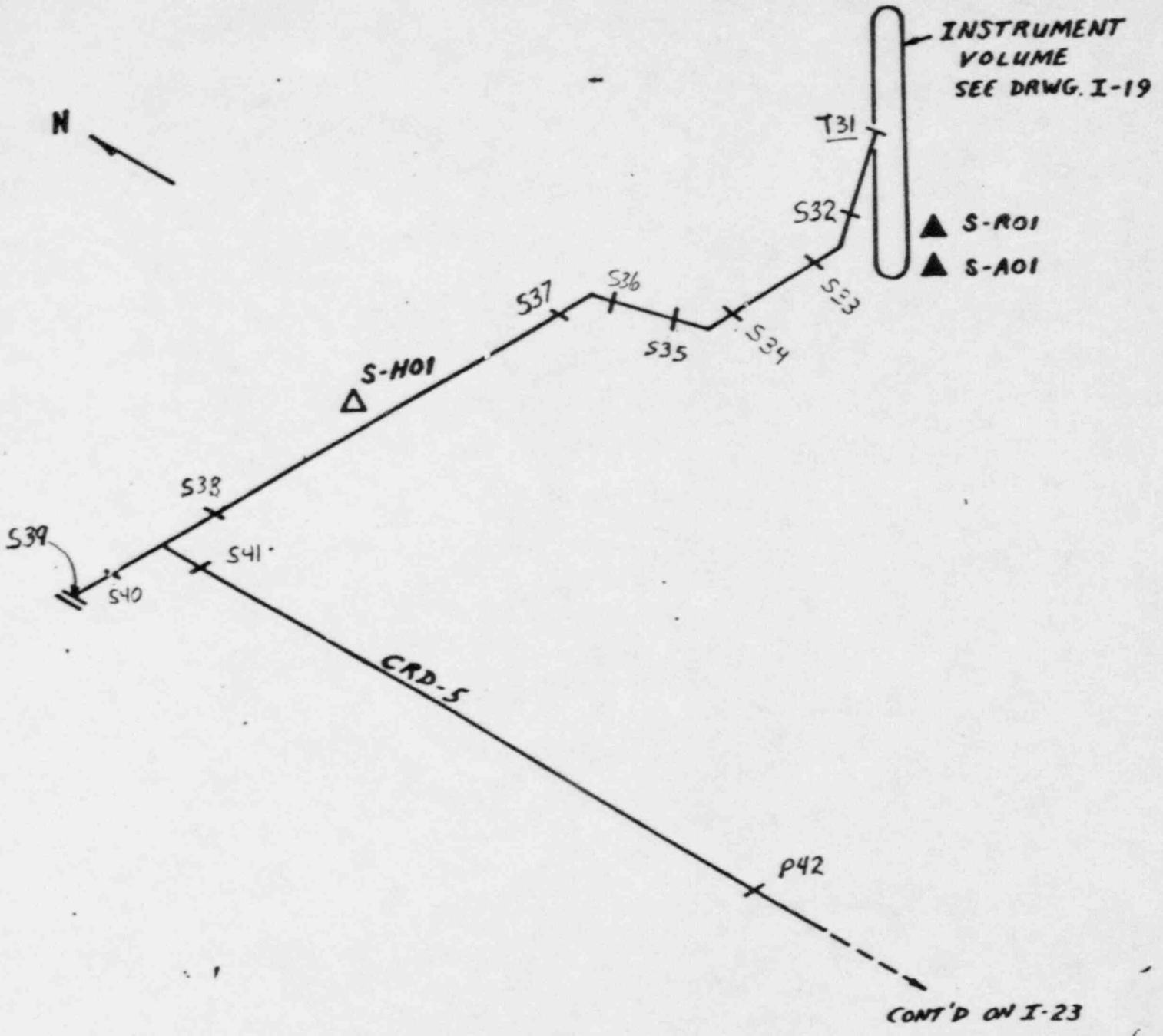


Rev. 9/Amend. 1

CRD

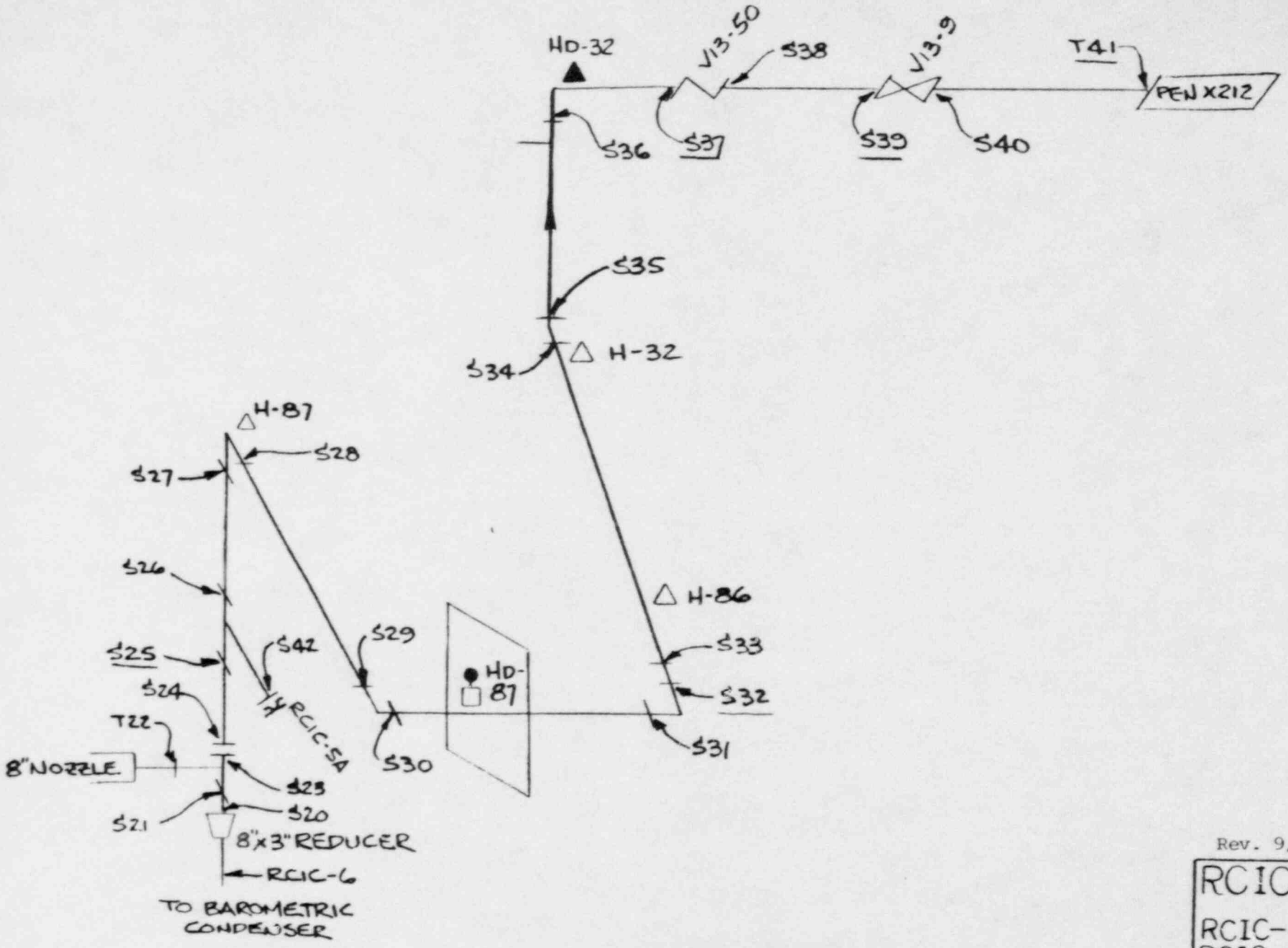
SCRAM DISC.

DWG 1-24



Rev. 9/Amend. 1

CRD SCRAM DISCH. DWG 1-25

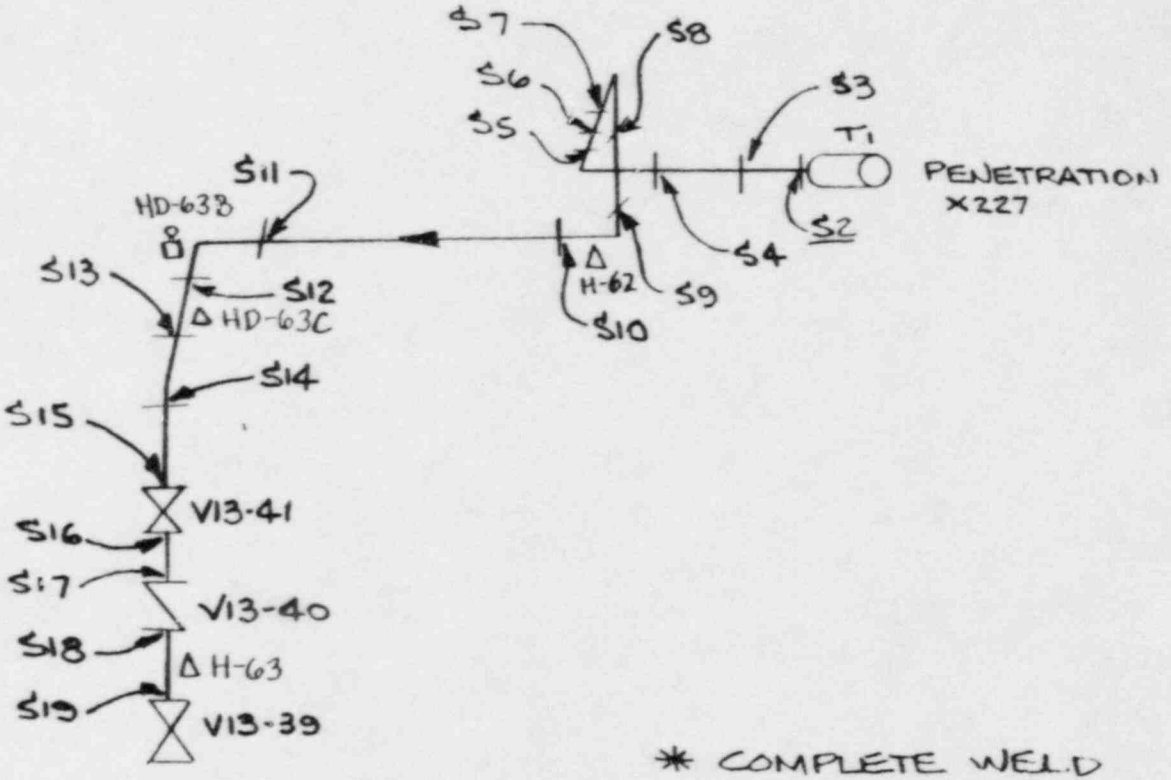


RCIC
TURBINE EXHAUST

Rev. 9/Amend. 1

RCIC
RCIC-4
RCIC-5A

DWG. I-26



* COMPLETE WELD NUMBER BEGINS WITH RC-3

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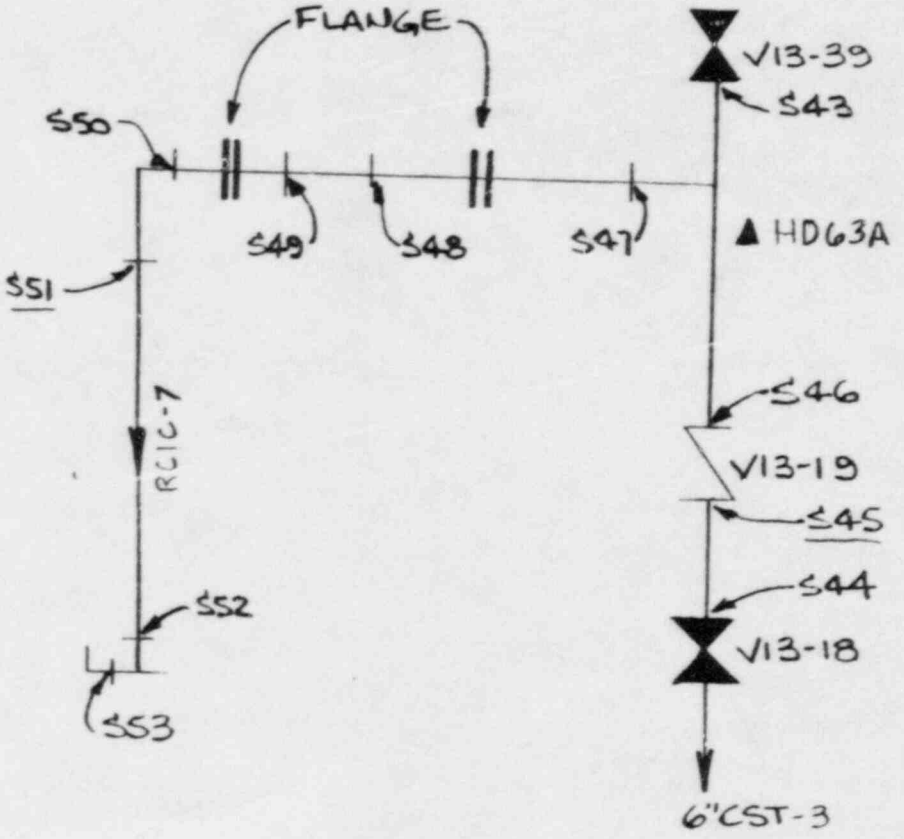
RCIC

RCIC-3

DWG. I-26A



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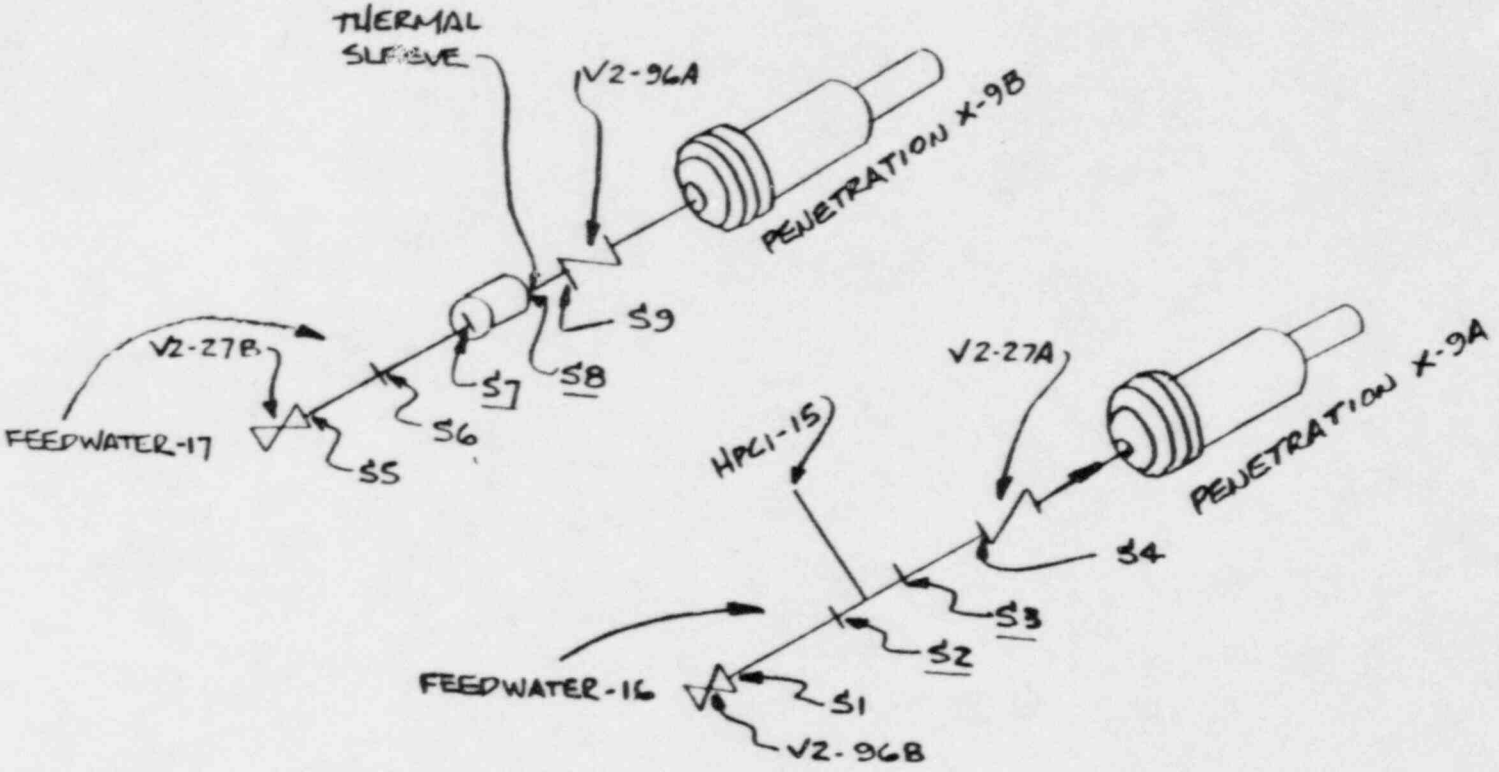
RCIC

RCIC-7

DWG. 1-26B



* ALL WELDS NUMBERS PRECEDED BY FW-17 OR FW-16 DEPENDING ON LINE NUMBER

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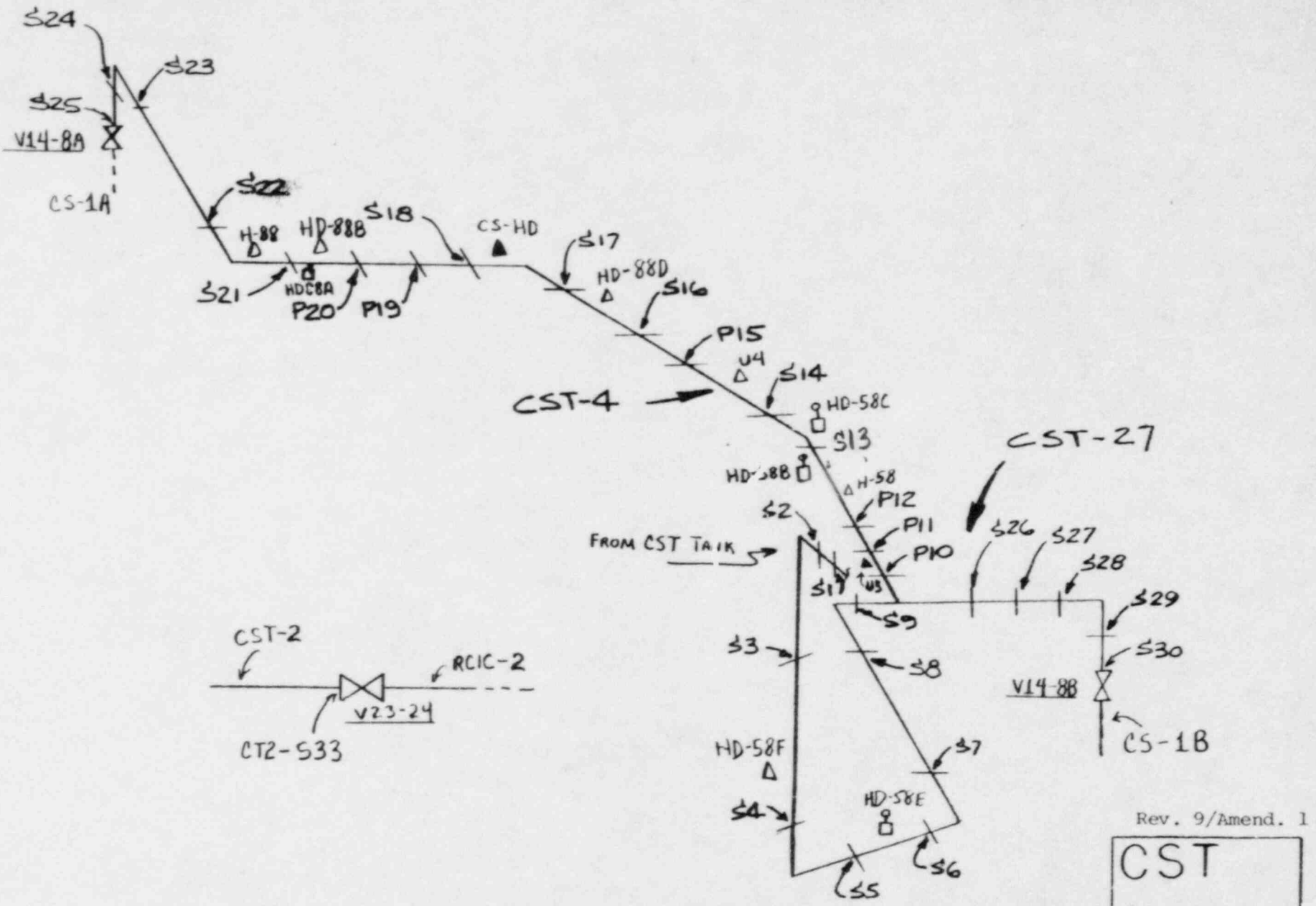
FEED-WATER

FW-16
FW-17

DWG 1-27



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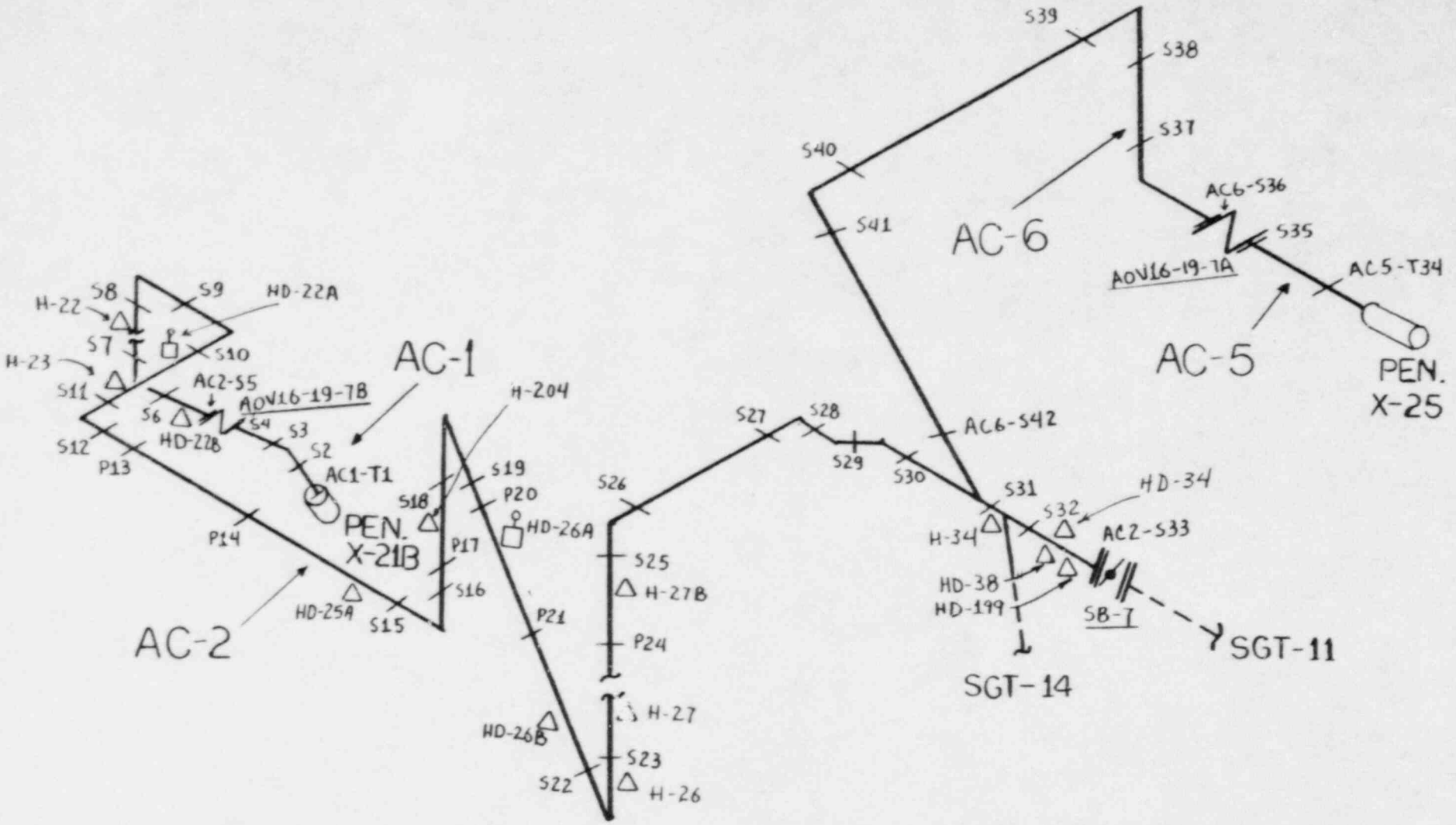
CST

CST-4
CST-27

DWG I-31



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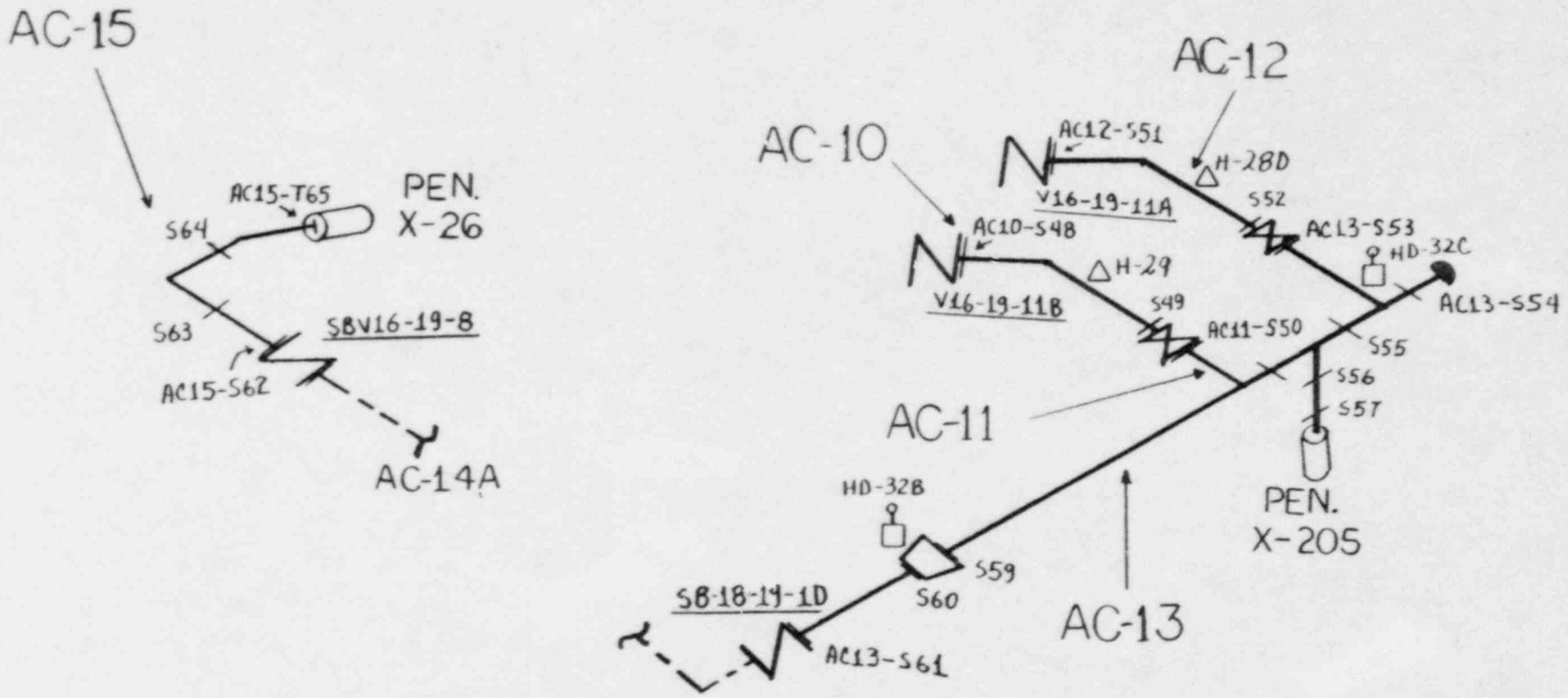
PCAC
AC-1
AC-2
AC-5
AC-6

DWG. I-32



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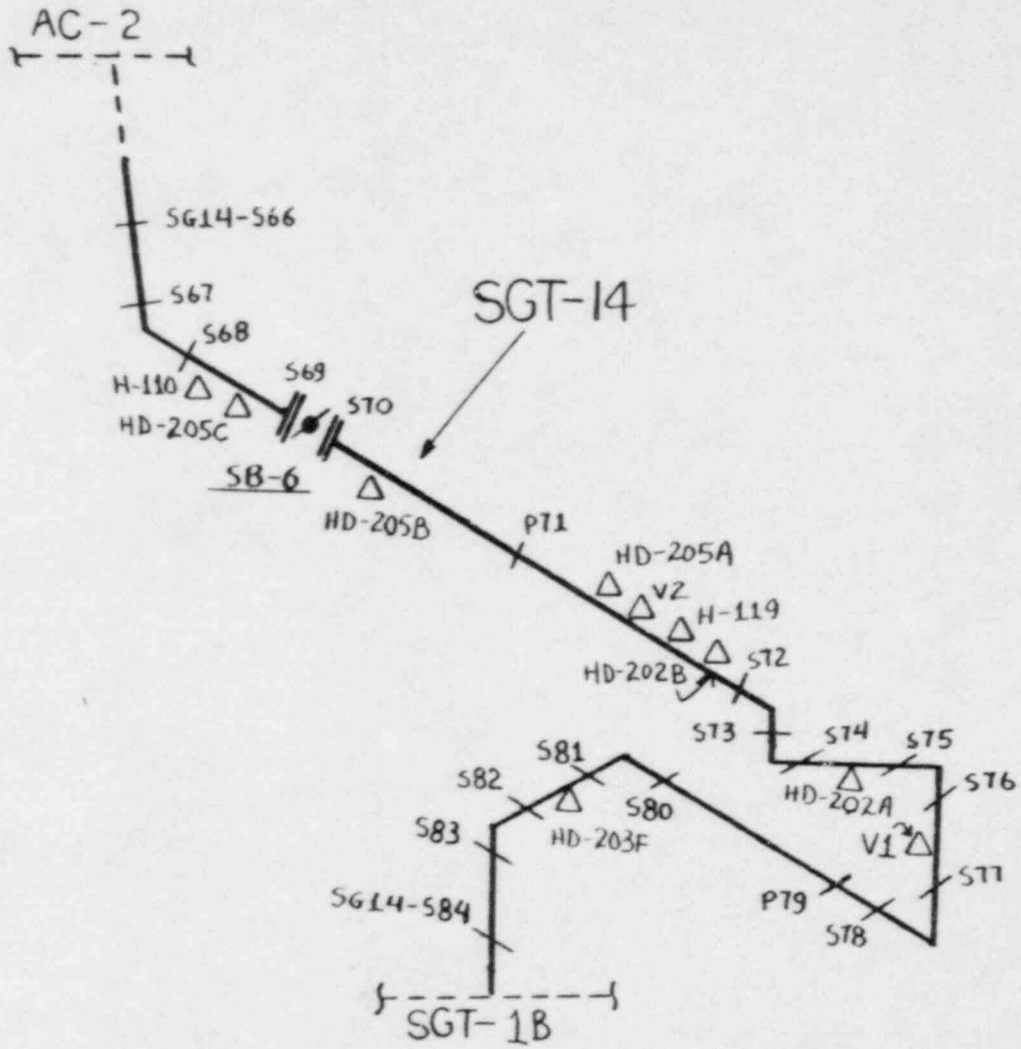
PCAC
AC-10
AC-11
AC-12
AC-13
AC-15

DWG. I-33



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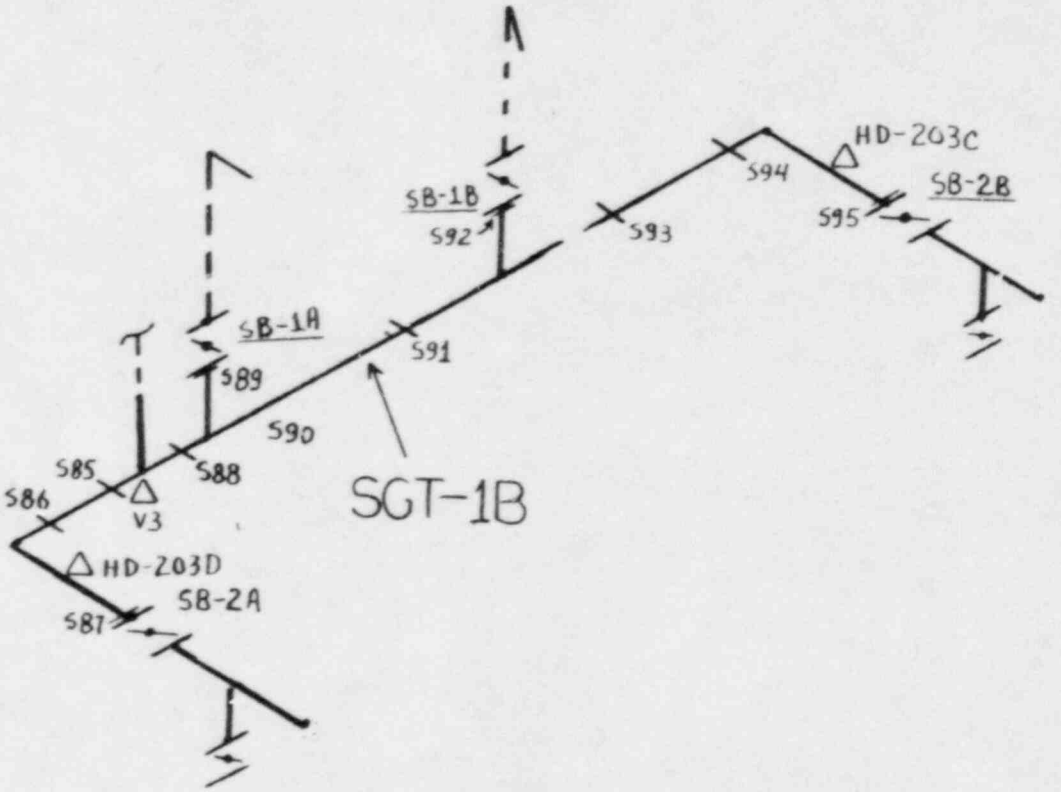
PCAC

SGT-14

DWG. I-34



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PCAC

SGT-1B

DWG. I-35

RELIEF REQUEST BASIS

Number: C-1

Component: RHR Heat Exchangers' Nozzle Welds and Inner Radius

Category: C-B

Class: 2

Test Requirement: Volumetric and Surface

Basis for Relief: Nozzle design configuration prohibits meaningful volumetric examination of the nozzle welds since the weld is 100% covered by a reinforcement saddle. Refer to detail "A" of drawing I-20.

Alternate Testing: Surface and VT-1 visual examinations shall be performed on the reinforcement saddle-to-nozzle and reinforcement saddle-to-vessel welds.

RELIEF REQUEST BASIS

.umber: C-3

Component: Welded and non-welded component supports and restraints < or = to 4 in. nominal pipe size

Category: F-A, F-B and F-C

Class: 2

Test Requirement: VT-3, VT-4 Visual

Basis for Relief: To maintain consistency with the allowance of Sub-sub Article IWC-1220, paragraph IWC-1220(c), VT-3 and VT-4 visual examination of welded and non-welded support components and restraints under Section IWF should be limited to those supports exceeding 4 in. nominal pipe size.

Alternate Testing: Significant degradation of support components < 4 in. NPS would be readily observable during visual examinations performed while pressure testing these systems in accordance with IWC-5220.

Number: H-7

This Relief Request is withdrawn and deleted.

Relief Request Basis

Number: H-9

System: Primary Containment Atmospheric Control

Line: PCAC piping, excluding nitrogen makeup supply line 1" AC-17

Safety Class 2

Basis for Relief

The function of the primary containment atmospheric control system consists of establishing the absolute containment of the reactor primary system and regulating the enclosed atmospheric conditions. The design parameters of the PCAC piping are 100 psig and 281 F and would require a code pneumatic test at a pressure of 120 psig. It should be recognized that this system is an extension of the primary containment and therefore should be more appropriately tested to the same criteria.
The primary containment is tested at 44 psig in accordance with 10CFR50, Appendix J. The PCAC system supports the primary containment and would, during the worst case accident condition, experience a pressure lower than 44 psig. To test this safety class system to a code required test pressure of 120 psig is not reasonable considering the stored energy involved in such a pneumatic test and the significant personnel and equipment risk encountered should equipment failure occur. Based upon the above, it is determined that an equivalent Appendix J test performed at 44 psig is more appropriate to demonstrate the integrity and availability of the system than would the more severe, and potentially dangerous 120 psig code specified test.

Alternate Testing

Pneumatic test at 44 psig consistent with the primary containment Appendix J criteria.

RELIEF REQUEST BASIS

Number: H-11

This Relief Request is withdrawn and deleted.

Number: H-13

System: Standby Gas Treatment

Line: SGT-14 and SGT-15

Safety Class: 2

Basis For Relief

The functions of the SGT system are : (1) To prevent exfiltration from the reactor building under emergency conditions by maintaining a sub-atmospheric pressure, and (2) To treat the effluent from the reactor buuilding before discharge through the stack to insure a minimum release of radioactive material to the environment.

The design criteria of the Standby Gas Treatment System piping is 100 psig and 175 F based upon the original material selection by the Architec Engineer. The actual system operating pressure is 2 psig as provided by system transfer fans.It should be recognized that this system is an extension of the primary containment and should be tested to the same criteria.

The primary containment is tested at 44 psig in accordance with 10CFR50, Appendix J. The SGTS supports the primary containment and would, during the worst case accident condition, experience a considerably lower pressure than 44 psig. To test this safety class 2 system to a code required test pressure of 110 psig is not reasonable considering the stored energy involved in such a pneumatic test and the significant personnel and equipment risk encountered should equipment failure occur. Based upon the above, it is determined that an equivalent Appendix J test is more appropriate to demonstrate the integrity and availability of this than would the more severe, and potentially dangerous 110 psig code specified test.

Alternate Testing

Pneumatic test at 44 psig consistent with other atmospheric control systems.

ATTACHMENT B

STATUS OF REVISION 9 ISI RELIEF REQUESTS

RELIEF REQUESTS	STATUS	COMMENTS
B-1	Granted	Found Acceptable by NRC, Letter of 2/10/87
B-2	Deleted	By This Letter
B-3	Granted	Found Acceptable by NRC, Letter of 2/10/87
B-4	Granted	Found Acceptable by NRC, Letter of 2/10/87
B-5	Granted	Found Acceptable by NRC, Letter of 2/10/87
B-6	Deleted	By This Letter
C-1	Granted	Found Acceptable by NRC, Letter of 2/10/87
C-2	Deleted	By This Letter
* C-3	Unreviewed	New Relief Request per ISI Rev. 9
* D-1	Unreviewed	New Relief Request per ISI Rev. 9
* H-1	Unreviewed	New Relief Request per ISI Rev. 9
H-2	Granted	Found Acceptable by NRC, Letter of 2/10/87
H-3	Granted	Found Acceptable by NRC, Letter of 2/10/87
* H-4	Unreviewed	New Relief Request per ISI Rev. 9
* H-5	Unreviewed	New Relief Request per ISI Rev. 9
* H-6	Unreviewed	New Relief Request per ISI Rev. 9
H-7	Deleted	Determined Not Necessary by NRC, Letter of 2/10/87
H-8	Granted	Found Acceptable by NRC, Letter of 2/10/87
**H-9	Resubmitted	Additional Information Provided by this Submittal
* H-10	Unreviewed	New Relief Request per ISI Rev. 9
H-11	Deleted	By this Letter
* H-12	Unreviewed	New Relief Request per ISI Rev. 9
**H-13	Denied/ Resubmitted	Additional Information Provided by this Submittal
H-14	Granted	Found Acceptable by NRC, Letter of 2/10/87
H-15	Granted	Found Acceptable by NRC, Letter of 2/10/87
* H-16	Unreviewed	New Relief Request per ISI Rev. 9
H-17	Granted	Found Acceptable by NRC, Letter of 2/10/87
* H-19	Unreviewed	New Relief Request per ISI Rev. 9

* Relief Request submitted 7/1/87 to NRC in Revision 9 of VY ISI Program

** Revised Relief Request provided in this submittal provides additional information