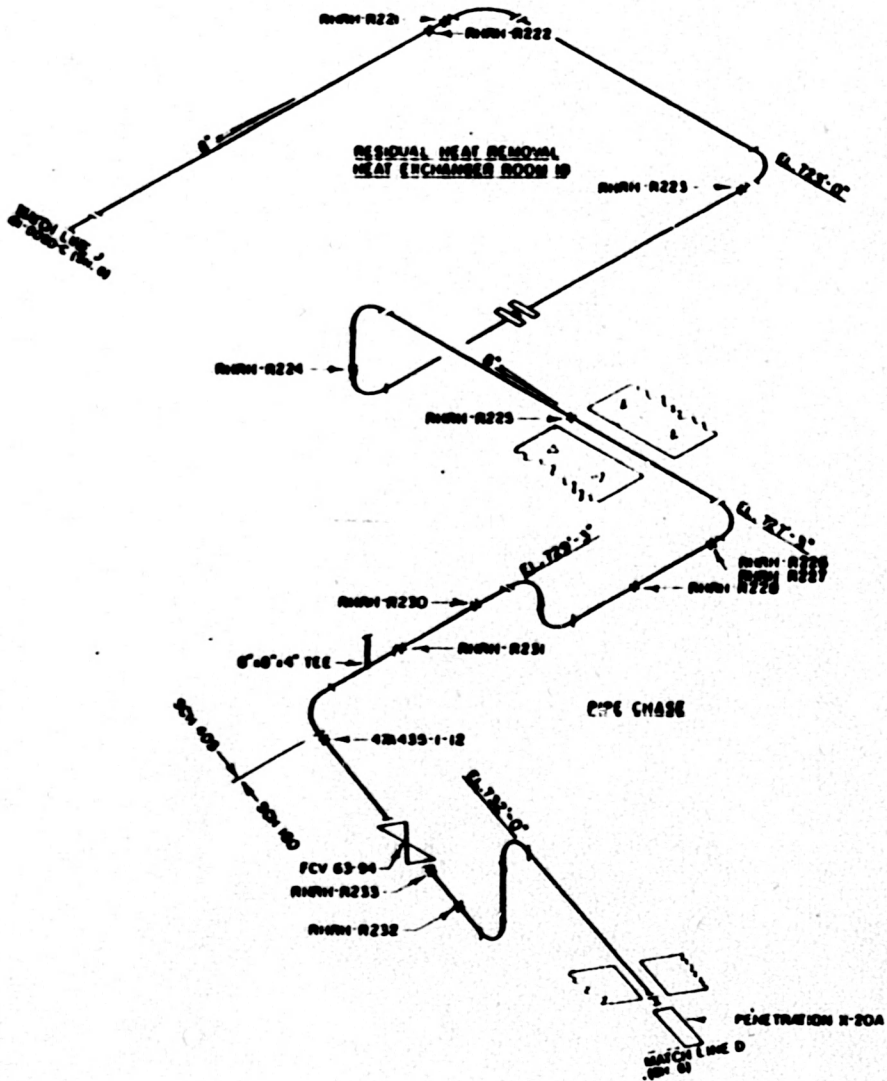


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 OM-2758-C  
 CLASS 2



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REV	DATE	BY	CHKD

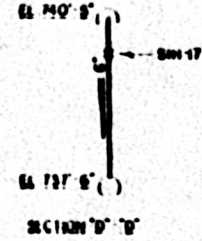
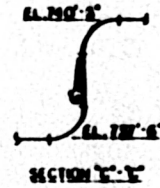
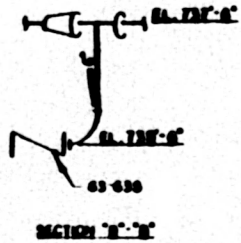
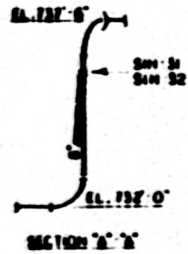
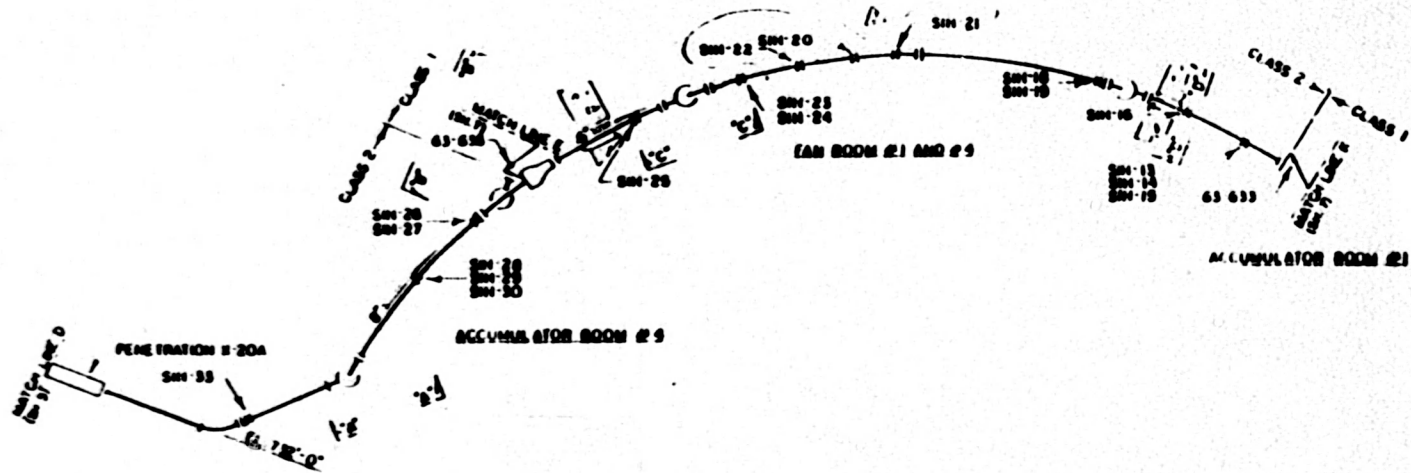
REVISIONS  
 47W438-203  
 OM-2758-C  
 CLASS 2

WESTS BAR NUCLEAR PLANT  
 UNIT #1  
 SAFETY INJECTION SYSTEM  
 HANGER LOCATIONS

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 476  
 476

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REFERENCE DRAWINGS  
 47W438-260  
 47W438-261  
 CLASS 2

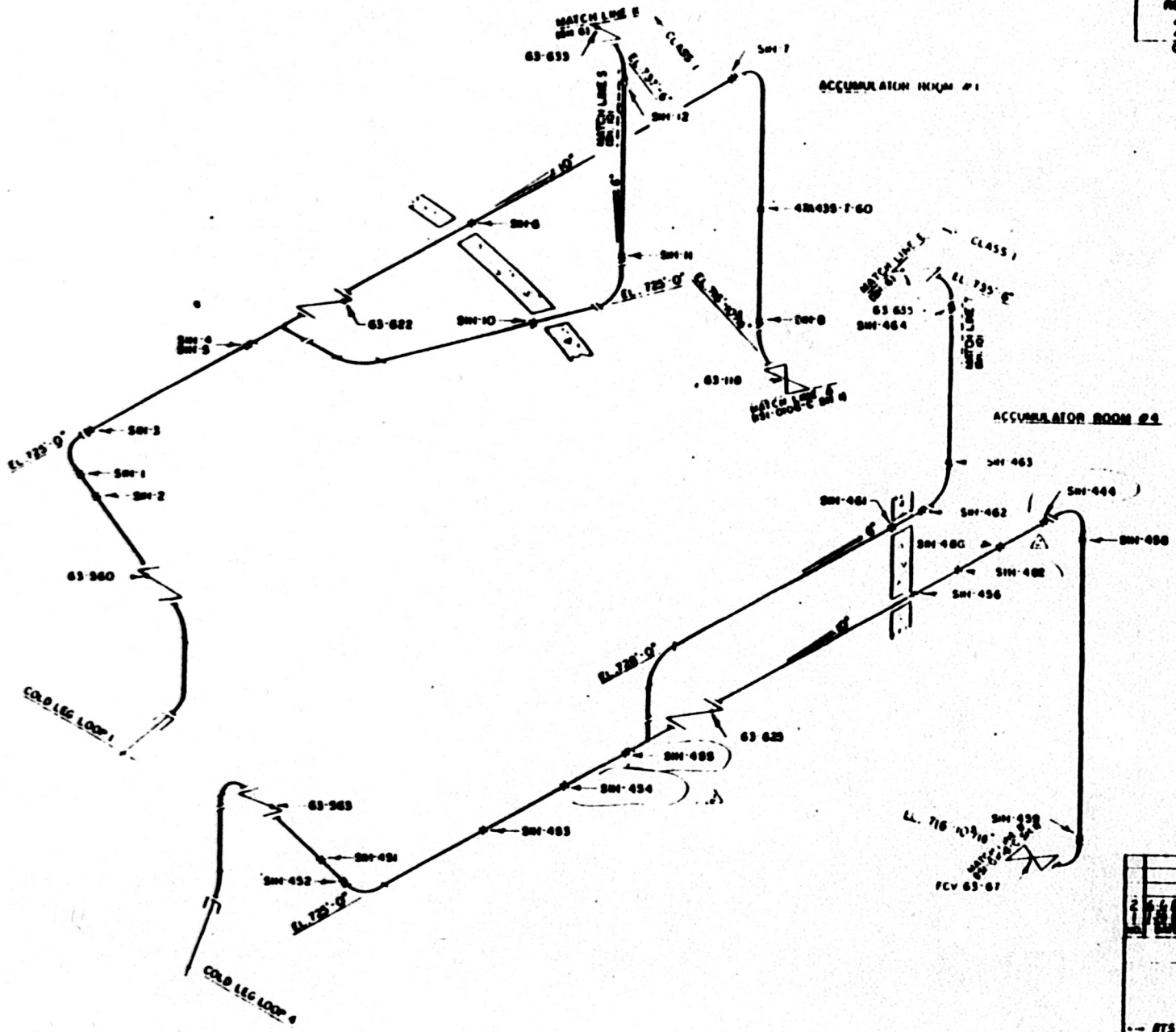


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NO.	DATE	BY	CHKD	DESCRIPTION
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2	04/22/92	RTS	MBN	REVISIONS

47W438-260  
 47W438-261  
 CLASS 2  
 WATTS BAR NUCLEAR PLANT  
 UNIT #1  
 SAFETY INJECTION SYSTEM  
 HANGER LOCATIONS  
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 MBN  
 02/21/92

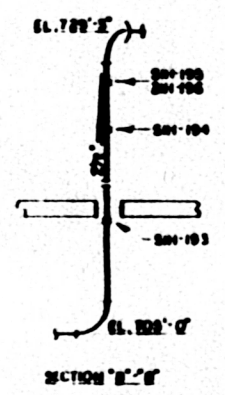
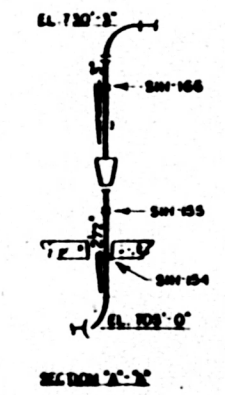
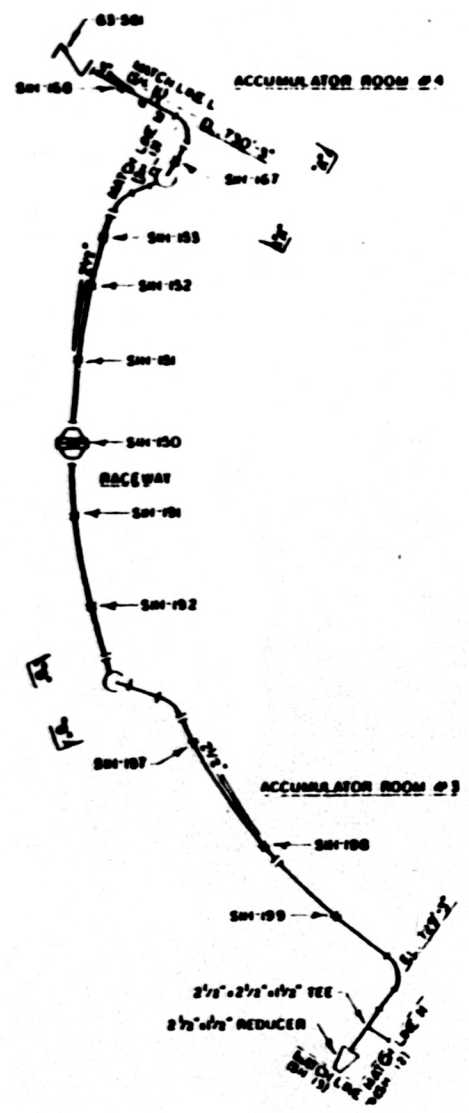
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 CLASS I



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UNITED STATES GOVERNMENT OFFICE OF NUCLEAR ENERGY WHITTS BAR NUCLEAR PLANT UNIT #1 SAFETY INJECTION SYSTEM HANDBOOK LOCATIONS	
DATE BY CHECKED	1/23/53 1/23/53 1/23/53

REFERENCE DRAWINGS  
 470415-205  
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 CLASS 1



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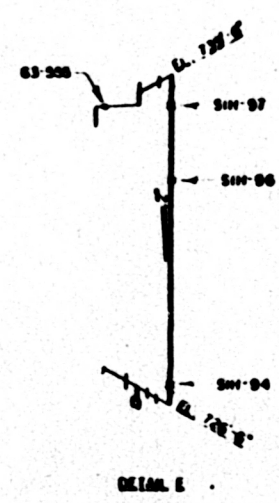
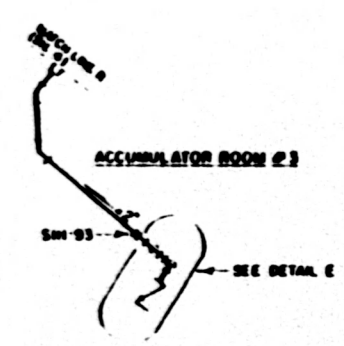
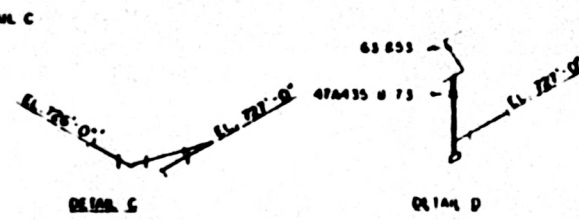
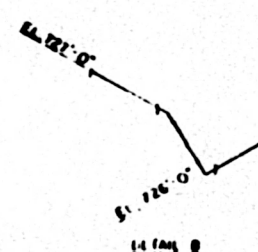
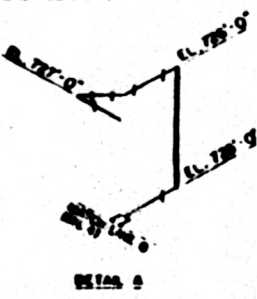
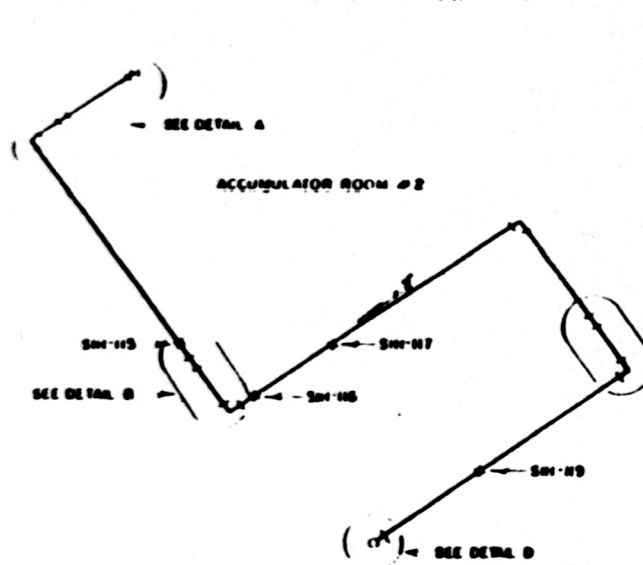
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WATTS BAR NUCLEAR PLANT  
 UNIT #1  
 SAFETY INJECTION SYSTEM  
 HANGER LOCATIONS

APPROVED: [Signature] DATE: 11/22/78  
 DESIGNED: [Signature] DATE: 11/22/78

REFERENCE DRAWINGS  
 47M435 222  
 CLASS I



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NO.	DATE	REVISIONS

UNIT'S BAR PRICE AN PLANT  
 UNIT #1  
 SAFETY INJECTION SYSTEM  
 MANGER LICATUUS

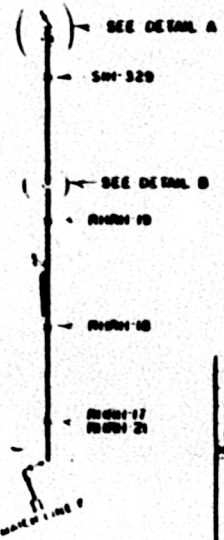
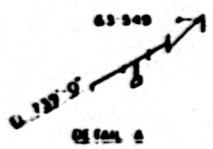
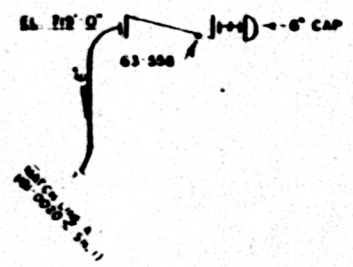
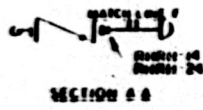
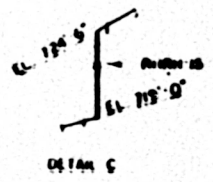
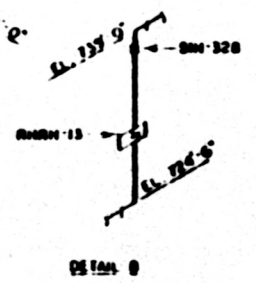
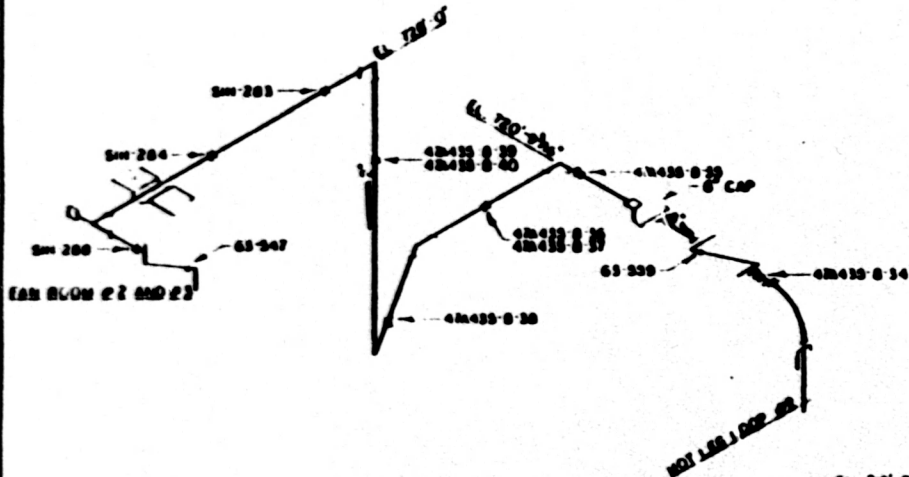
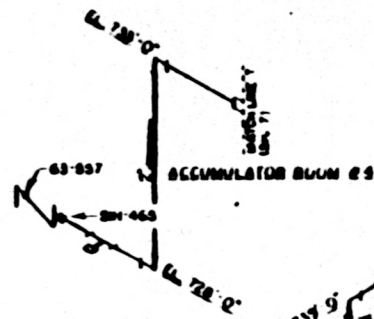
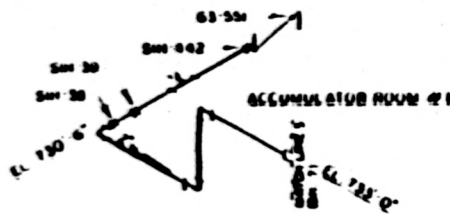
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MBN

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CLASS 1



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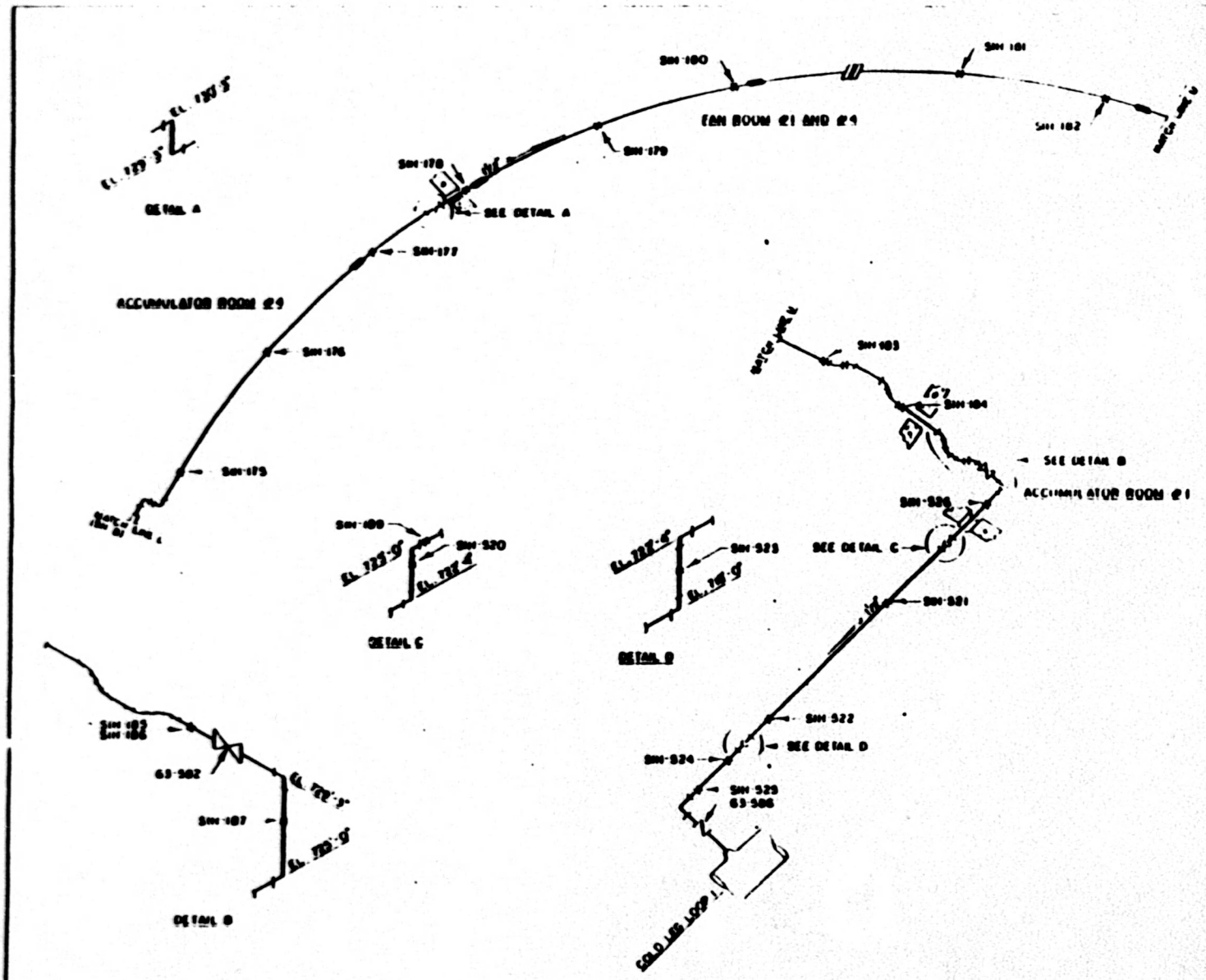
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UNIT #1  
SAFETY INJECTION SYSTEM  
DANGER LINES

DATE	DESIGNED	DRAWN	CHECKED

NTS  
4/27

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10 15  
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REFERENCE DRAWINGS  
470435-217  
CNS-2730-C  
CLASS I



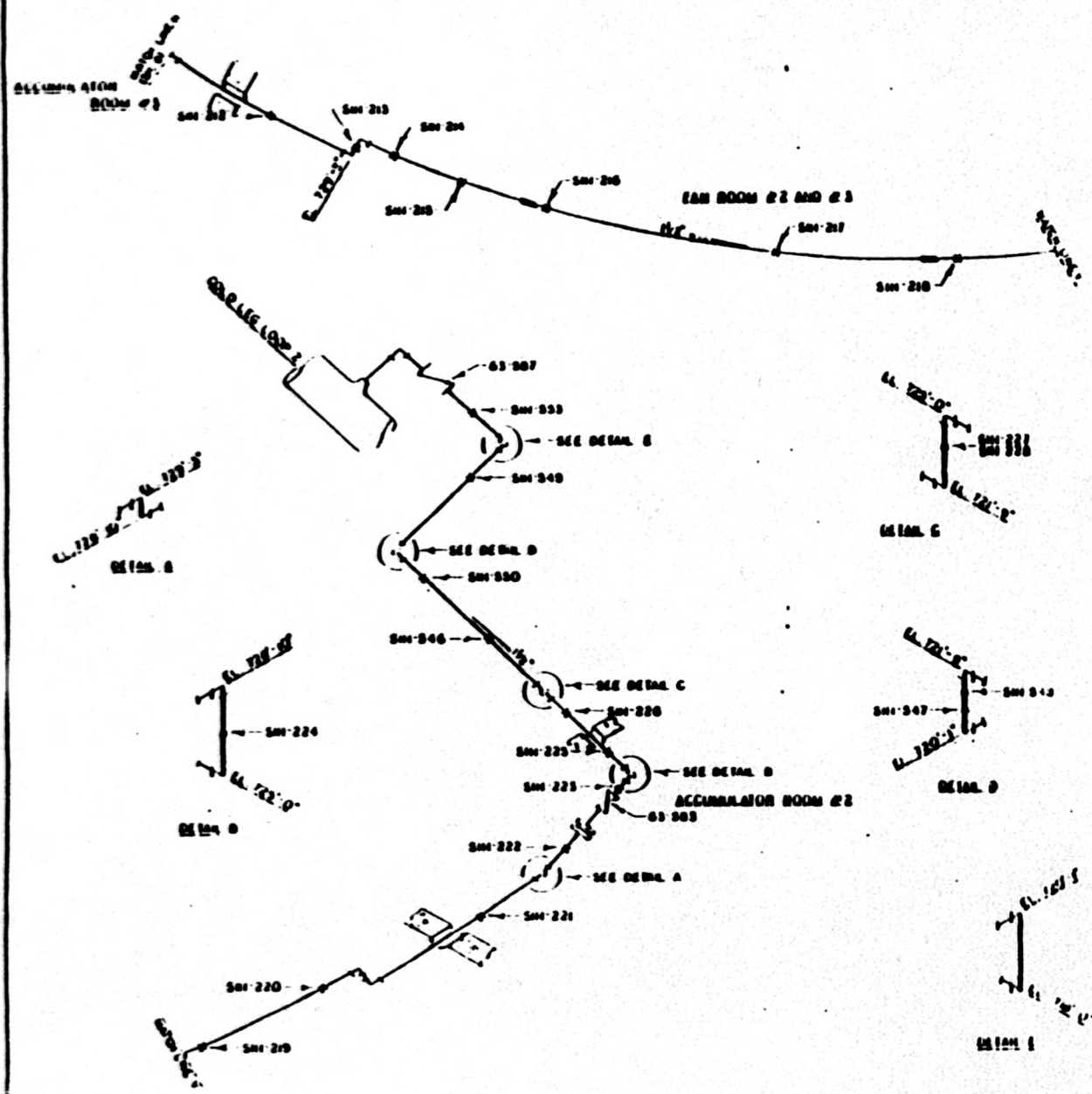
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WATTS BAR NUCLEAR PLANT  
 UNIT #1  
 SAFETY INJECTION SYSTEM  
 HANGER LOCATIONS

H/15  
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REFERENCE DRAWINGS  
CLASS 1



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UNIT'S BAR MILE EASY AND  
SAFE SYSTEM  
DANGER USE AIRBUS

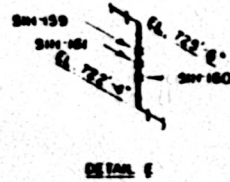
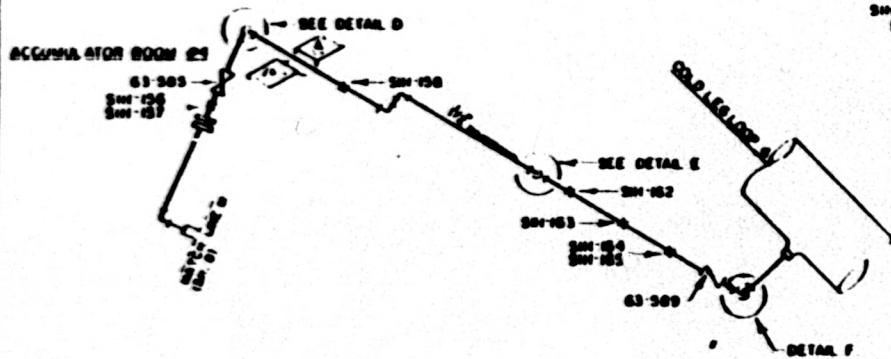
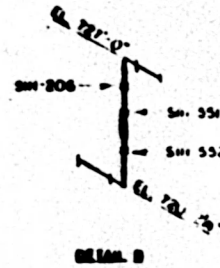
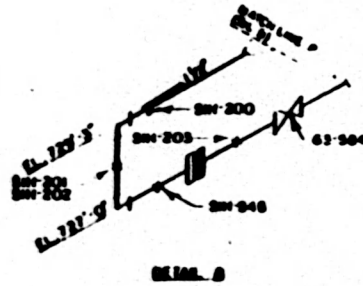
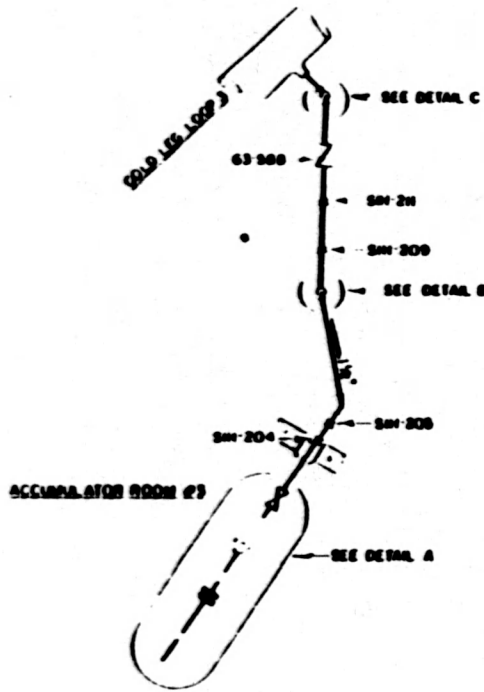
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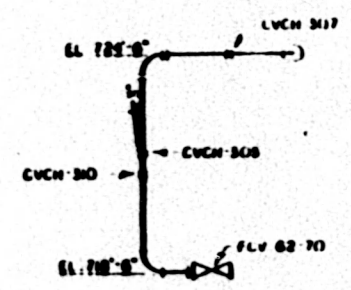
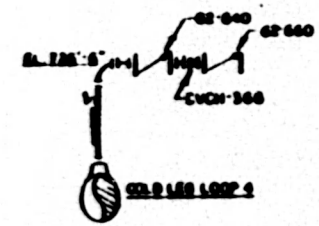
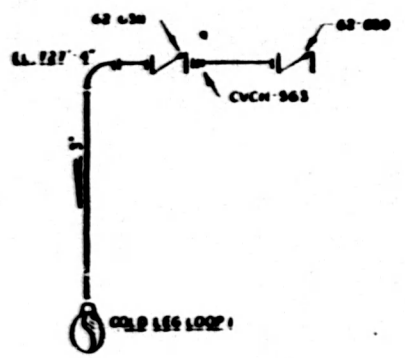
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DATE  
CLASS



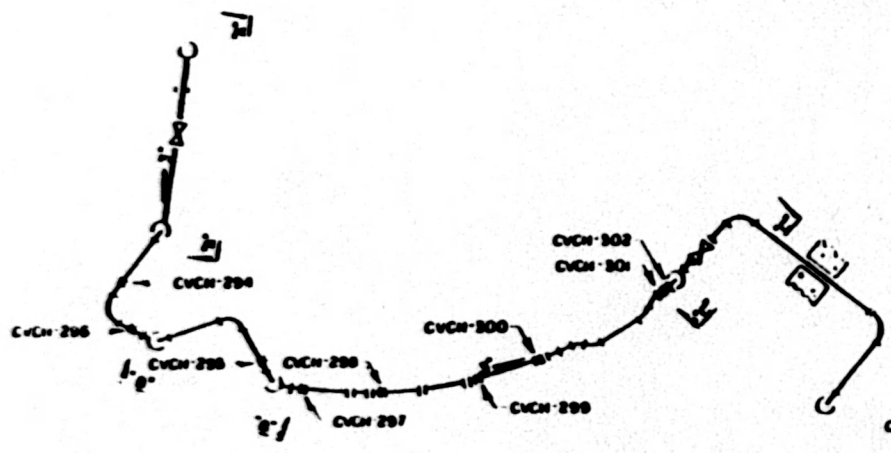
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APP REV		

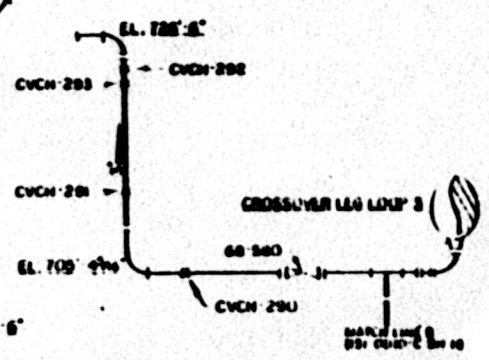
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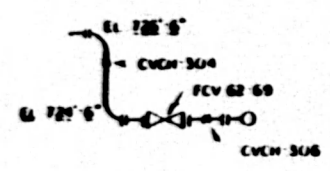
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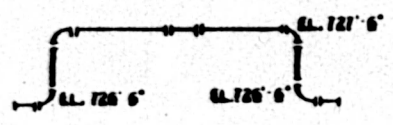
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SECTION Z-W



SECTION U-V



SECTION R-S

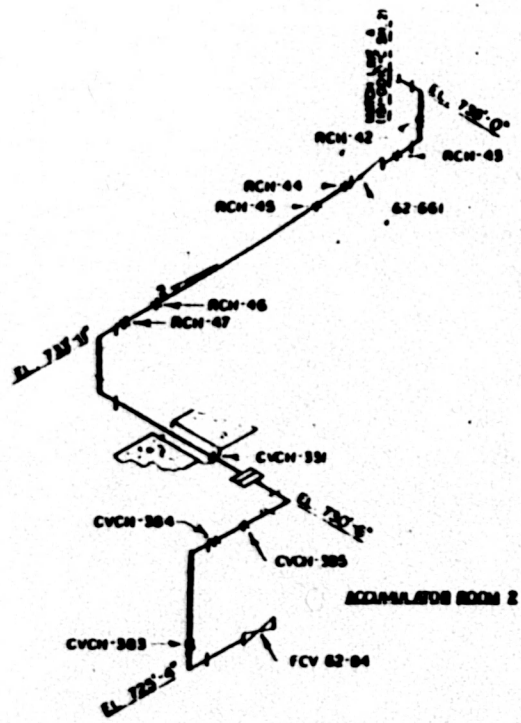
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NO.	DATE	REVISION	BY

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 LIST #1  
 CHEMICAL AND WASTE SYSTEM  
 MANGELICH MANS

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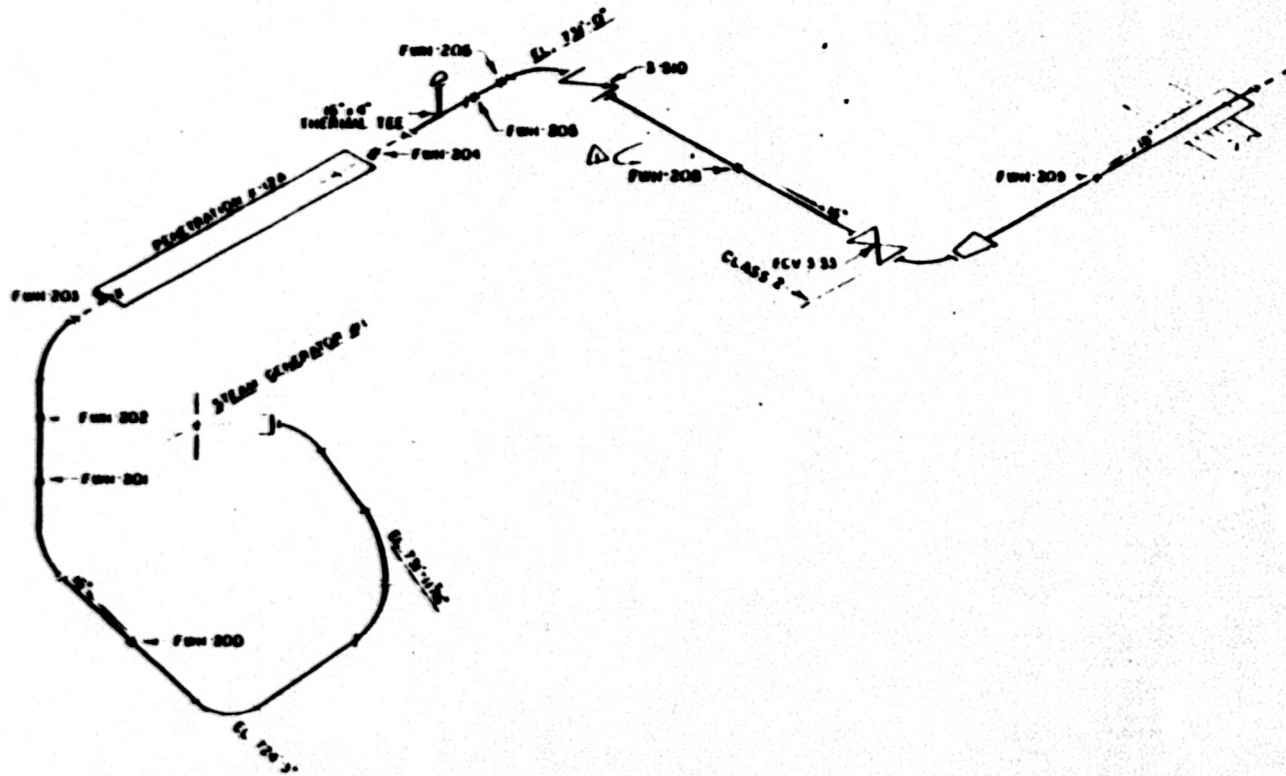
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CLASS 1



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DESIGNED BY			
CHECKED BY			
DATE			

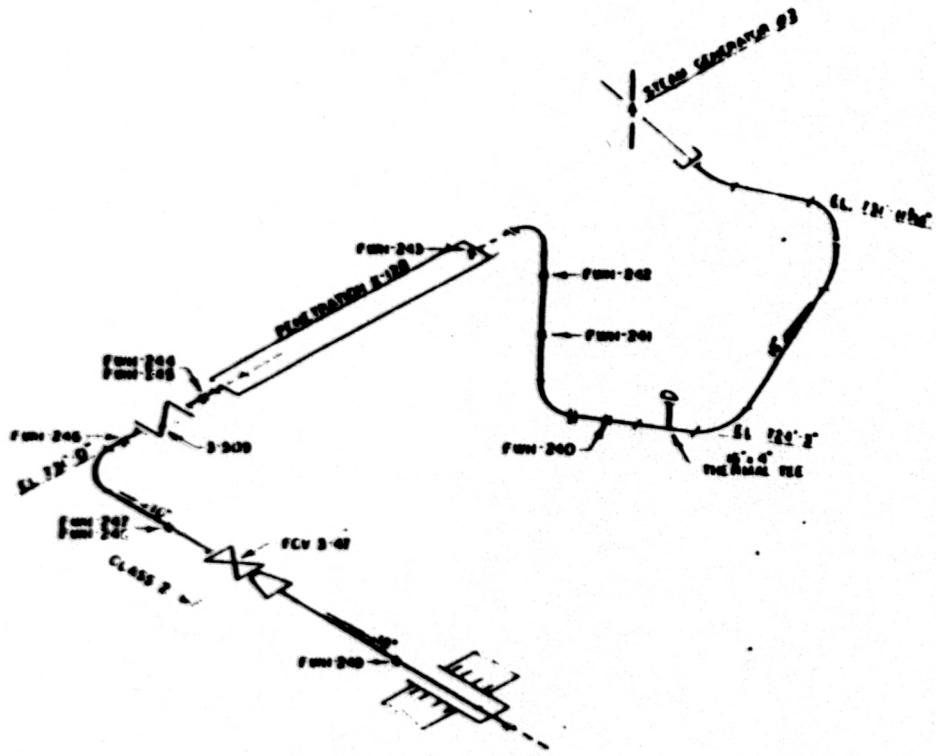
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 CLASS 2



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DATE	BY	REVISION
11-21-88	DELETE MORGAN	
WATTS BAR NUCLEAR PLANT UNIT #1 FLEETWIDE SYSTEM MANGER ILM 01005		
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 SHEET 200  
 CLASS 2



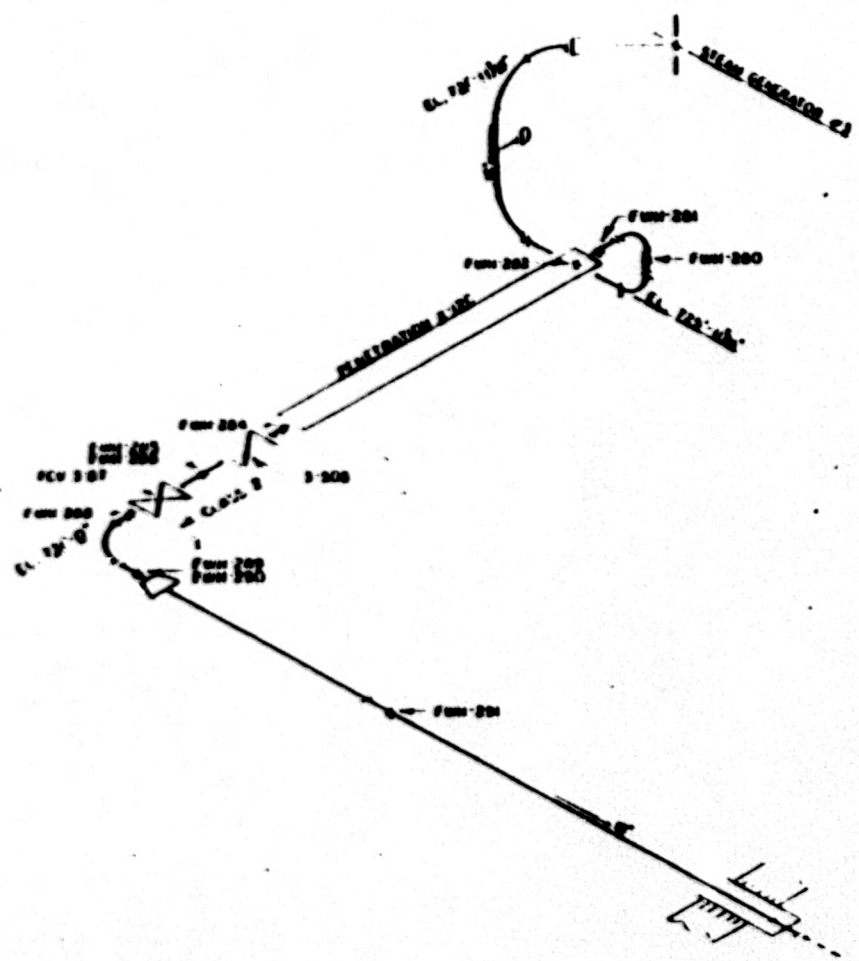
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 TI-50A  
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NO.	REVISIONS	DATE	BY

WATTS BAR NUCLEAR PLANT  
 UNIT #1  
 FEEDWATER SYSTEM  
 RANGE LCM ATOMS

10 02  
 15 02

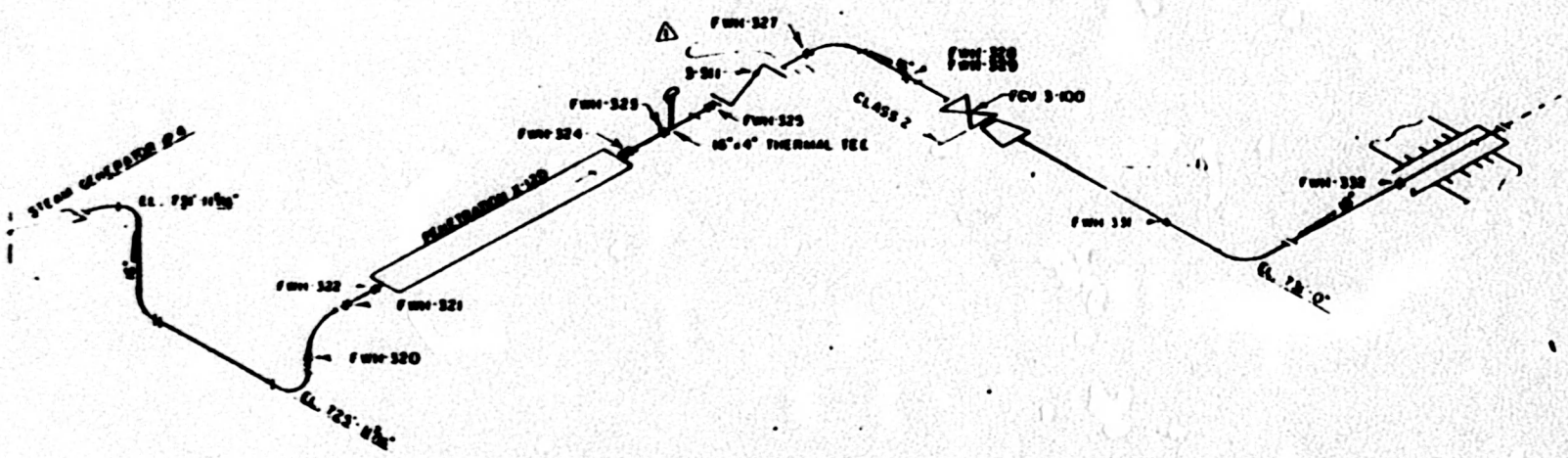
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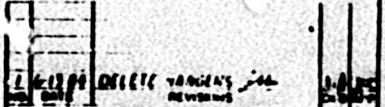
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DRAWING NO. 411-11 REVISION			10/10 10/10	

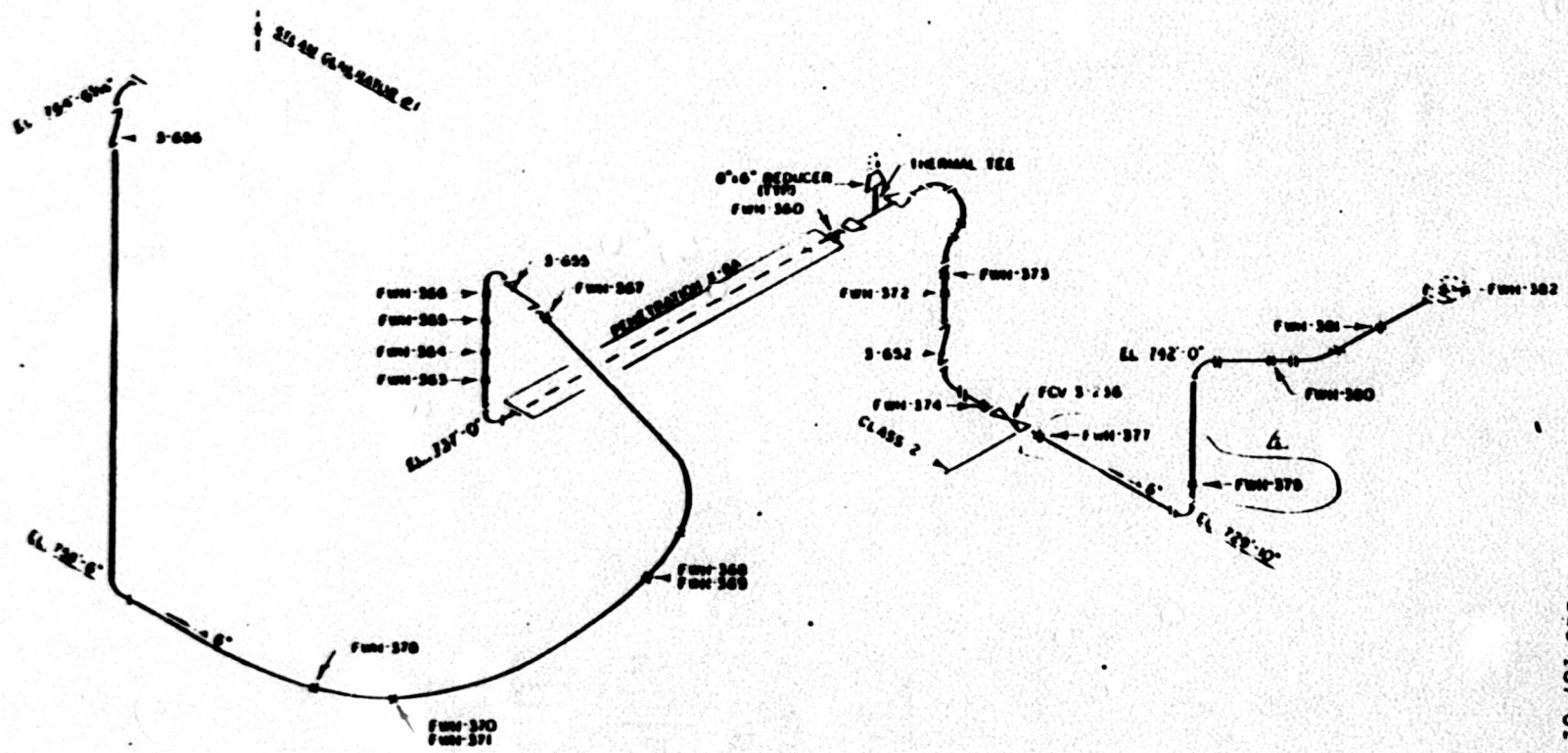
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 CLASS 2



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 WESTINGHOUSE ELECTRIC CORPORATION  
 ATOMIC ENERGY COMMISSION  
 WATTS BAR NUCLEAR PLANT  
 UNIT #1  
 FEEDWATER SYSTEM  
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 BY: [Signature]  
 CHECKED: [Signature]

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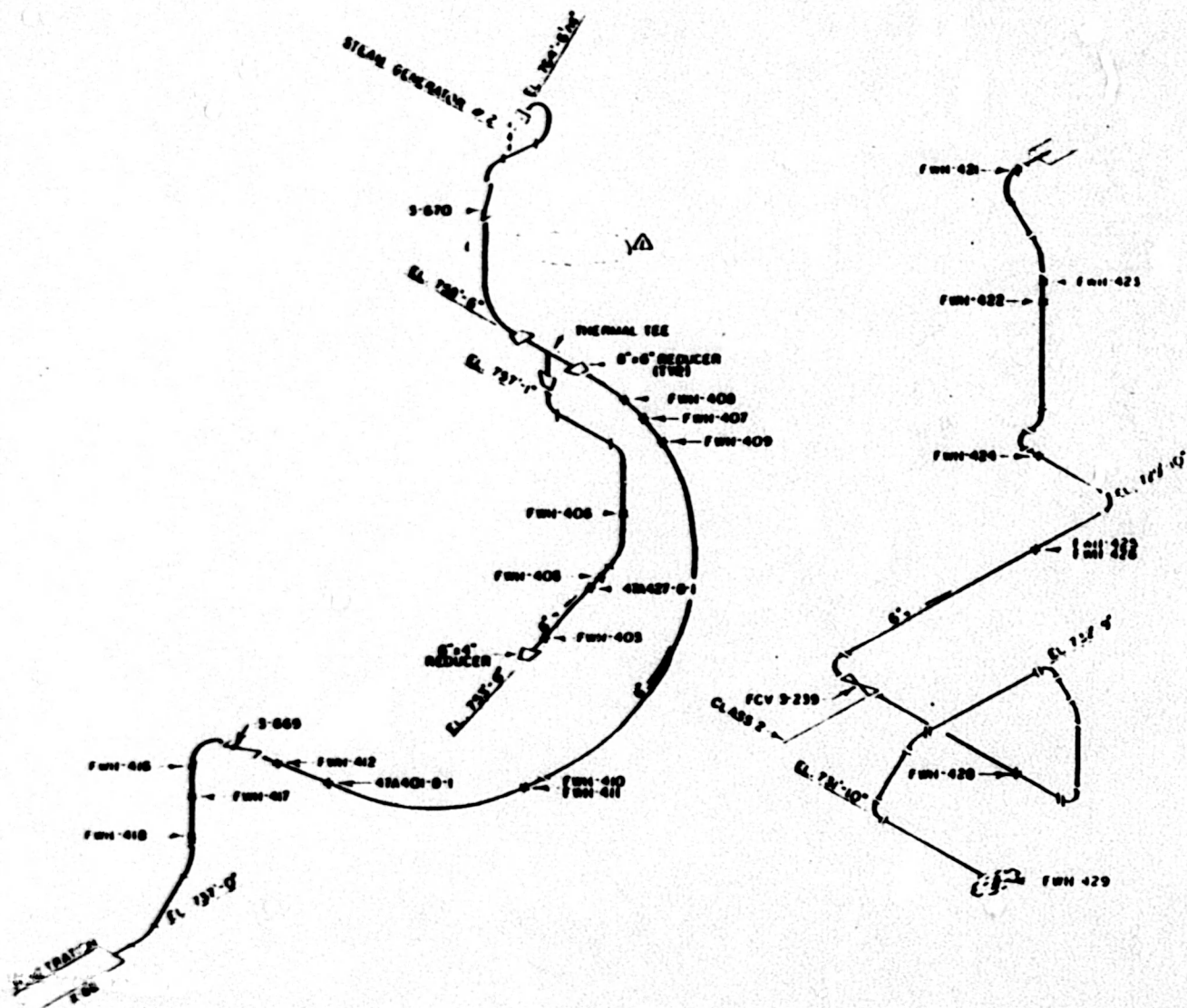


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DIVISION OF NUCLEAR ENERGY WATTS BAR NUCLEAR PLANT UNIT #1 FEEDWATER SYSTEM DRAWING 470401-212											
DATE	BY	CHECKED	DESIGNED	APPROVED							
10/1/88											



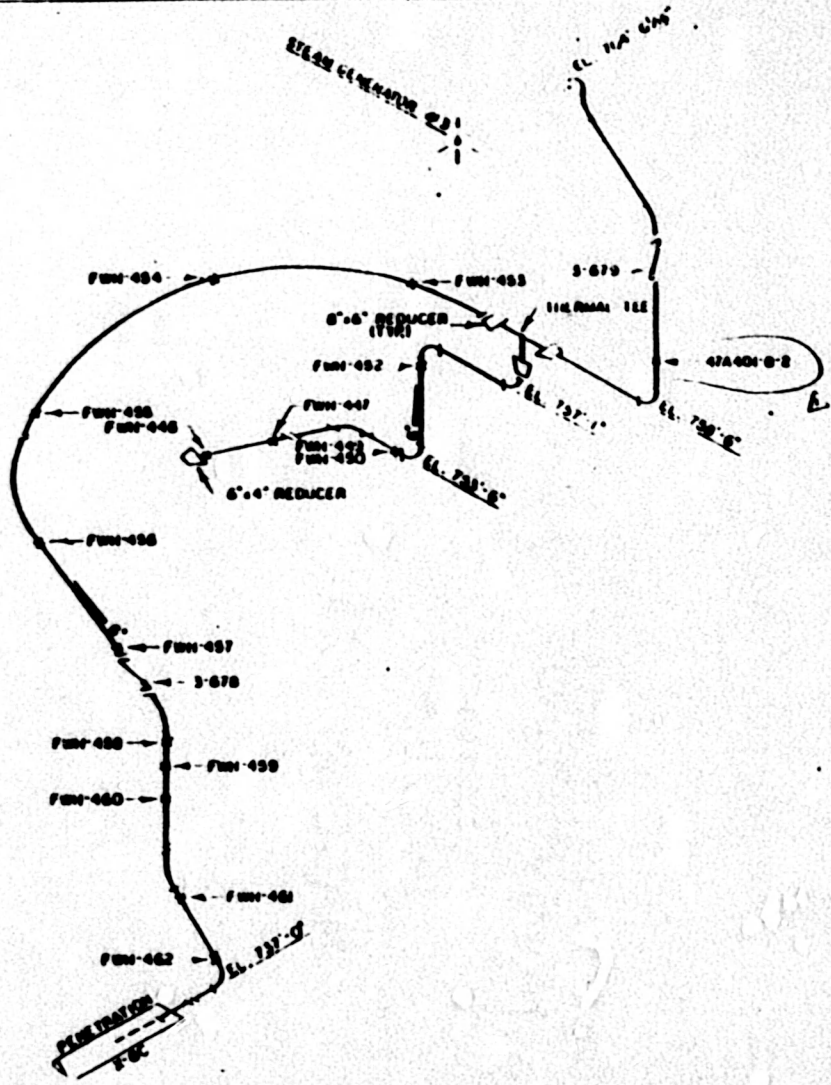
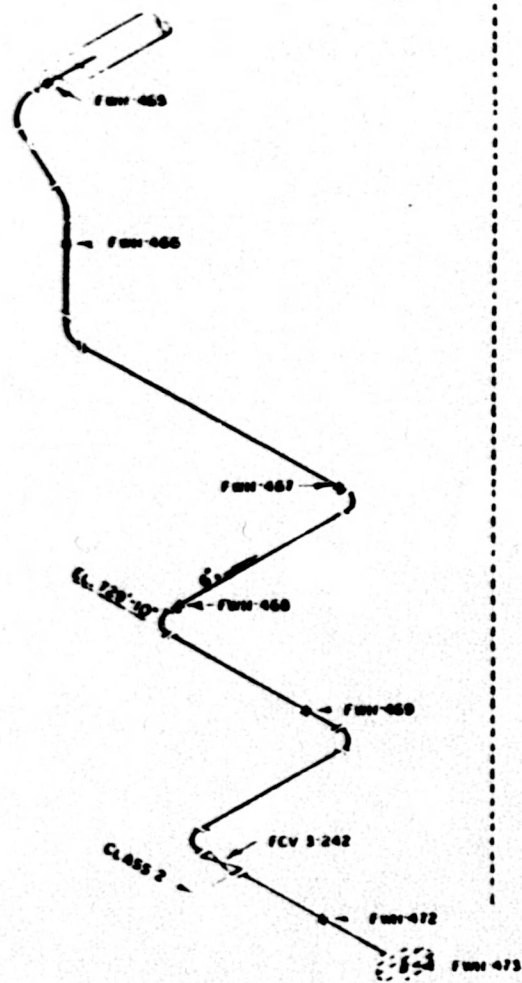
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NO. 12129	DATE	REVISIONS	BY
DIVISION OF NUCLEAR POWER <b>WAYS BAR NUCLEAR PLANT</b> UNIT #1 <b>FEEDWATER SYSTEM</b> HANGER LIN AIR SYS			
APP. 97A			
APP. 97B			
APP. 97C			

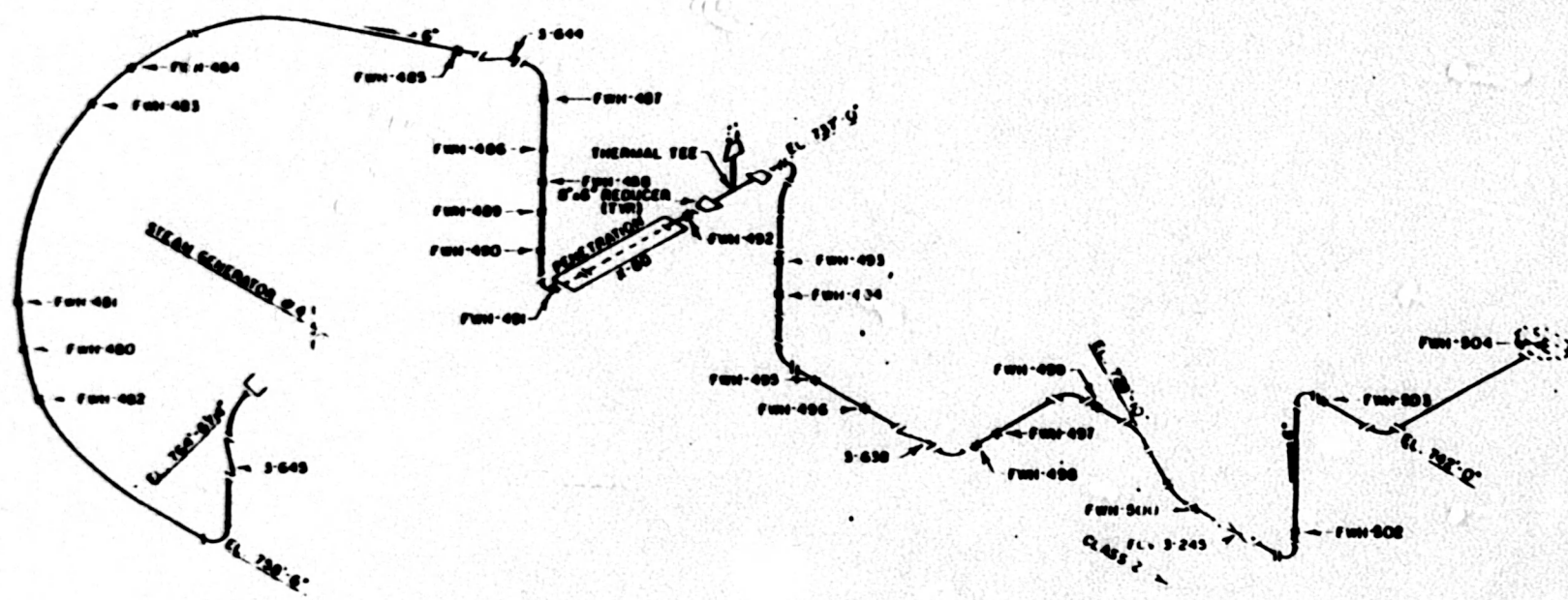
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 CLASS 2



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1 6-13 88	ADD PARCEL	11
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MAYTS BAR NUCLEAR PLANT		
UNIT 01		
FEEDWATER SYSTEM		
MAYTS BAR NUCLEAR PLANT		
REV	DATE	BY

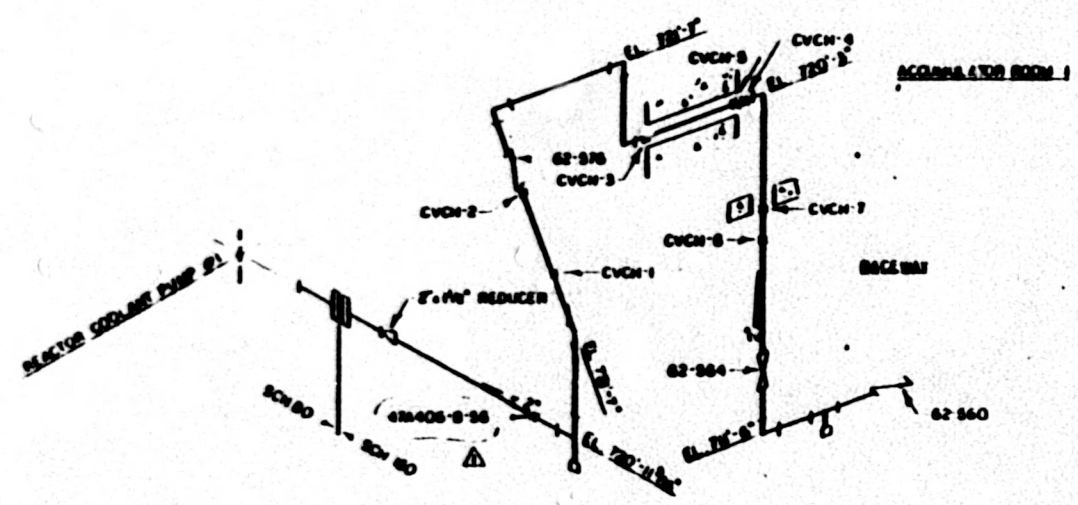
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 CLASS 2



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DESIGNER DATE		CHECKED DATE	
APPROVED BY DATE			
PROJECT TITLE <b>WATTS BAR NUCLEAR PLANT</b> <b>UNIT #1</b> <b>FEEDWATER SYSTEM</b> <b>DANGER LEGEND #5</b>			
DRAWN BY DATE	CHECKED BY DATE	APPROVED BY DATE	PROJECT TITLE <b>WATTS BAR NUCLEAR PLANT</b> <b>UNIT #1</b> <b>FEEDWATER SYSTEM</b> <b>DANGER LEGEND #5</b>

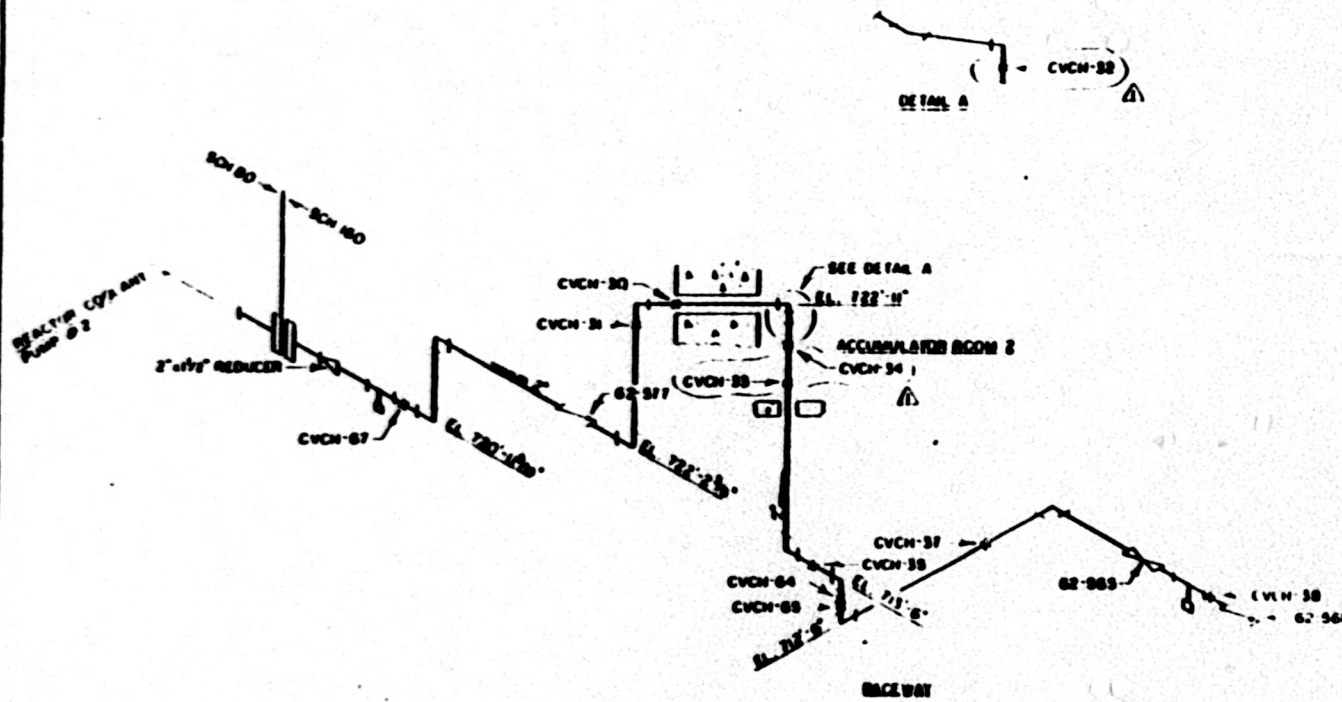
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 CLASS 1



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NO.	DATE	REVISION
WATTS BAR NUCLEAR PLANT CHEMICAL AND WATER CONTROL SYSTEM SERIAL DRAWING NUMBER: 470405-217		

REFERENCE DRAWINGS  
 GROUP CO-09-02  
 CLASS I



DETAIL A

SEE DETAIL A

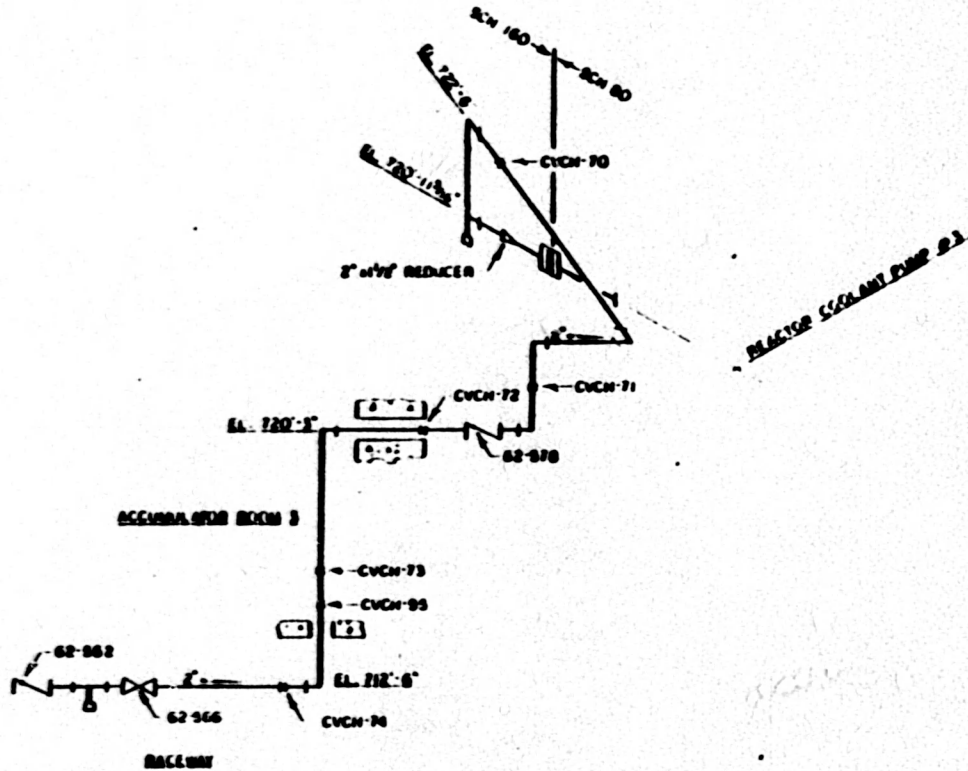
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BACK VIEW

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REV. 22				

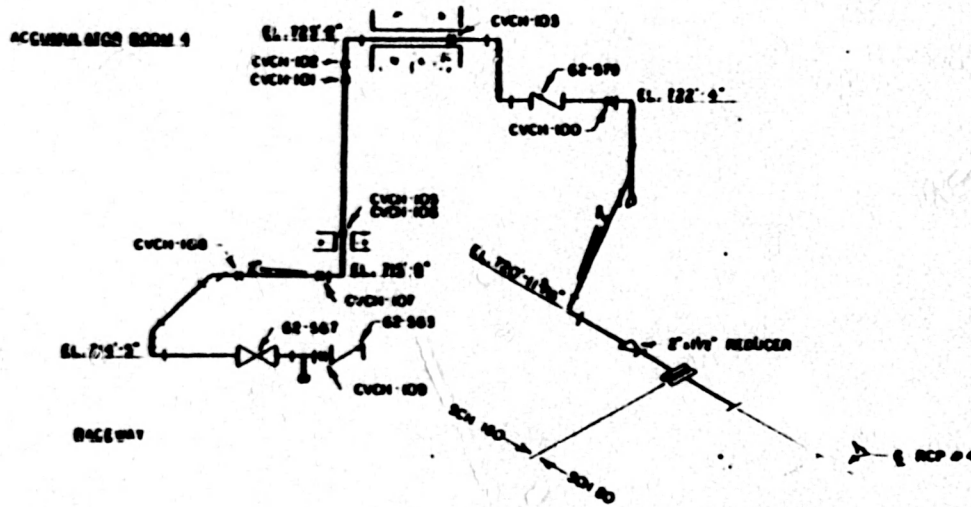
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 477408-29  
 CLASS 1



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NO.	DATE	BY	CHKD.
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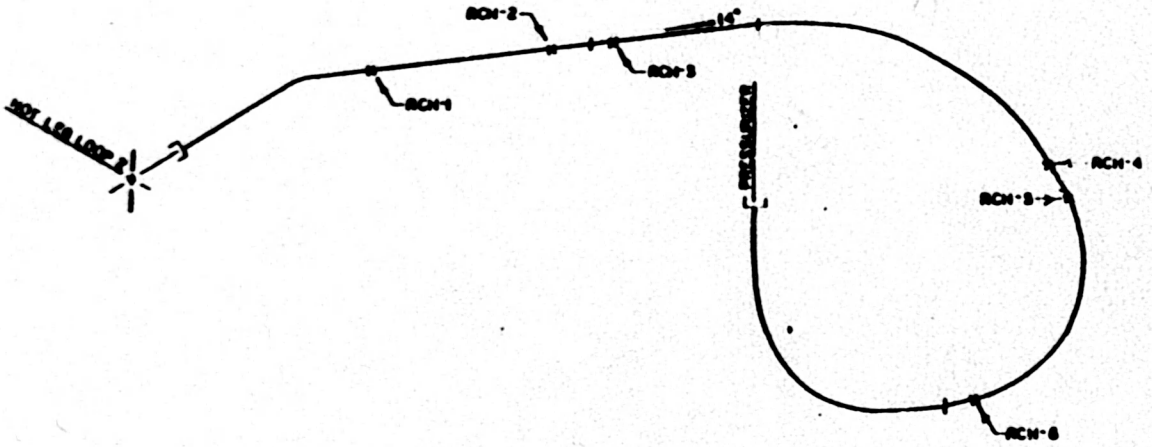
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 07-006 349  
 CLASS 1



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<b>WATTS BAR NUCLEAR PLANT</b> <small>UNIT #1</small> <b>CHEMICAL AND VOLUME CONTROL SYSTEM</b> <b>SEAL WATER INJECTION</b> <b>HANGER LIAISON</b>			
... NES		WB	10 02
			04 1983 C

REFERENCE DRAWING  
(CLASS I)



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WATTS BAR NUCLEAR PLANT UNIT #1 PRESSURIZED STEAM LINE HANGEN ISLANDS				
DATE	BY	CHECKED	APPROVED	SCALE
UN24				



TABLE D  
Class 1 Valves  
Valves Subject to the Requirements of Examination Category B-M-2 of  
Table IWB-2500-1 of Section XI

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Valve No.	Code Class	Valve Cat.	Piping System	Valve Size	Valve Type	Valve Act	Group No.	TVA Dwg No. (Weld Map)	Vendor Dwg No.	Vendor	Material Spec.	Valve Function	Forging/ Casting
FCV-63-67	I	B-ACT	SIS	10"	GATE	MO	1	CH-M-2758-C	115E013	W	ASTM-A182 F316	PSIV ;	Forging
FCV-63-80	I	B-ACT	SIS	10"	GATE	MO	1	CH-M-2758-C	115E013	W	ASTM-A182 F316	PSIV	Forging
FCV-63-98	I	B-ACT	SIS	10"	GATE	MO	1	CH-M-2758-C	115E013	W	ASTM-A182 F316	PSIV	Forging
FCV-63-118	I	B-ACT	SIS	10"	GATE	MO	1	CH-M-2758-C	115E013	W	ASTM-A182 F316	PSIV	Forging
63-558	I	AC-ACT	SIS	6"	CK	SA	2	CH-M-2758-C	934D185	W	ASTM-A182 F316	PSIV	Forging
63-559	I	AC-ACT	SIS	6"	CK	SA	2	CH-M-2758-C	934D185	W	ASTM-A182 F316	PSIV	Forging
63-560	I	AC-ACT	SIS	10"	CK	SA	3	CH-M-2758-C	934D187	W	ASTM-A182 F316	PSIV	Forging
63-561	I	AC-ACT	SIS	10"	CK	SA	3	CH-M-2758-C	934D187	W	ASTM-A182 F316	PSIV	Forging
63-562	I	AC-ACT	SIS	10"	CK	SA	3	CH-M-2758-C	934D187	W	ASTM-A182 F316	PSIV	Forging
63-563	I	AC-ACT	SIS	10"	CK	SA	3	CH-M-2758-C	934D187	W	ASTM-A182 F316	PSIV	Forging
63-622	I	C-ACT	SIS	10"	CK	SA	4	CH-M-2758-C	934D187	W	ASTM-A182 F316	PSIV	Forging
63-623	I	C-ACT	SIS	10"	CK	SA	4	CH-M-2758-C	934D187	W	ASTM-A182 F316	PSIV	Forging
63-624	I	C-ACT	SIS	10"	CK	SA	4	CH-M-2758-C	934D187	W	ASTM-A182 F316	PSIV	Forging
63-625	I	C-ACT	SIS	10"	CK	SA	4	CH-M-2758-C	934D187	W	ASTM-A182 F316	PSIV	Forging
63-632	I	C-ACT	SIS	6"	CK	SA	5	CH-M-2758-C	934D185	W	ASTM-A182 F316	PSIV	Forging

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Valve No.	Code Class	Valve Cat.	Piping System	Valve Size	Valve Type	Valve Act	Group No.	TVA Dwg No. (Weld Map)	Vendor Dwg No.	Vendor	Material Spec.	Valve Function	Forging/Casting
63-633	I	C-ACT	SIS	6"	CK	SA	5	CH-M-2758-C	934D185	W	ASTM-A182 F316	PSIV	Forging
63-634	I	C-ACT	SIS	6"	CK	SA	5	CH-M-2758-C	934D185	W	ASTM-A182 F316	PSIV	Forging
63-635	I	C-ACT	SIS	6"	CK	SA	5	CH-M-2758-C	934D185	W	ASTM-A182 F316	PSIV	Forging
63-640	I	C-ACT	SIS	8"	CK	SA	6	CH-M-2758-C	934D186	W	ASTM-A182 F316	PSIV	Forging
63-643	I	C-ACT	SIS	8"	CK	SA	6	CH-M-2758-C	934D186	W	ASTM-A182 F316	PSIV	Forging
63-641	I	AC-ACT	SIS	6"	CK	SA	7	CH-M-2758-C	934D185	W	ASTM-A182 F316	PSIV	Forging
63-644	I	AC-ACT	SIS	6"	CK	SA	7	CH-M-2758-C	934D185	W	ASTM-A182 F316	PSIV	Forging
68-563	I	C-ACT	RCS	6"	REL	SA	8	ISI-0017-C	DSCA56964	Crosby	ASTM-A182 F316		Forging
68-564	I	C-ACT	RCS	6"	REL	SA	8	ISI-0017-C	DSCA56964	Crosby	ASTM-A182 F316		Forging
68-565	I	C-ACT	RCS	6"	REL	SA	8	ISI-0017-C	DSCA56964	Crosby	ASTM-A182 F316		Forging
FCV-74-1	I	A-ACT	RHR	14"	GATE	MO	9	CH-M-2636-C	115E622	W	ASTM-A182 F316	PSIV	Forging
FCV-74-2	I	A-ACT	RHR	14"	GATE	MO	9	CH-M-2636-C	115E622	W	ASTM-A182 F316	PSIV	Forging
FCV-74-8	I	A-ACT	RHR	10"	GATE	MO	10	CH-M-2636-C	1167E79	W	ASTM-A182 F316	PSIV	Forging
FCV-74-9	I	A-ACT	RHR	10"	GATE	MO	10	CH-M-2636-C	1167E79	W	ASTM-A182 F316	PSIV	Forging

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Valve No.	Valve Size	Valve Bolting < = 2"	Valve Bolting > 2"	Valve Body Welds	Integrally Welded Supports	Support Components	Reference Drawing No.	Vendor	Vendor Dwg. No.
63-543	2	No	No	No	No	No	Sh 8 of 8 CH-H-2636-C	Kerotest	TVD-D-9911X03-(1)
63-545	2	No	No	No	No	No	Sh 8 of 8 CH-H-2636-C	Kerotest	TVD-D-9911X03-(1)
63-640	8	Yes	No	No	No	No	Sh 7 of 8 CH-H-2636-C	Westinghouse	934D186
63-641	6	Yes	No	No	No	No	Sh 7 of 8 CH-H-2636-C	Westinghouse	934D185
63-643	8	Yes	No	No	No	No	Sh 8 of 8 CH-H-2636-C	Westinghouse	934D186
63-644	6	Yes	No	No	No	No	Sh 8 of 8 CH-H-2636-C	Westinghouse	934D185
FCV-74-1	14	Yes	No	No	No	No	Sh 1 of 8 CH-H-2636-C	Westinghouse	115E622
FCV-74-2	14	Yes	No	No	No	No	Sh 1 of 8 CH-H-2636-C	Westinghouse	115E622
FCV-74-8	10	Yes	No	No	No	No	Sh 1 of 8 CH-H-2636-C	Westinghouse	1167E79
FCV-74-9	10	Yes	No	No	No	No	Sh 1 of 8 CH-H-2636-C	Westinghouse	1167E79
FCV-63-67	10	Yes	No	No	No	No	Sh 10 of 13 CH-H-2758-C	Westinghouse	115E013

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Valve No.	Valve Size	Valve Bolting < 2"	Valve Bolting > 2"	Valve Body Welds	Integrally Welded Supports	Support Components	Reference Drawing No.	Vendor	Vendor Dwg. No.
FCV-63-80	10	Yes	No	No	No	No	Sh 9 of 13 CH-M-2758-C	Westinghouse	115E013
FCV-63-98	10	Yes	No	No	No	No	Sh 8 of 13 CH-M-2758-C	Westinghouse	115E013
FCV-63-118	10	Yes	No	No	No	No	Sh 7 of 13 CH-M-2758-C	Westinghouse	115E013
63-547	1 1/2	No	No	No	No	No	Sh 8 of 13 CH-M-2758-C	Kerotest	TVD-D-9911X03-(1)
63-549	2	No	No	No	No	No	Sh 10 of 13 Ch-M-2758-C	Kerotest	TVD-D-9911X03-(1)
63-551	2	No	No	No	No	No	Sh 7 of 13 CH-M-2758-C	Kerotest	TVD-D-9911X03-(1)
63-553	2	No	No	No	No	No	Sh 8 of 13 CH-M-2758-C	Kerotest	TVD-D-9911X03-(1)
63-555	2	No	No	No	No	No	Sh 9 of 13 CH-M 2758-C	Kerotest	TVD-D-9911X03-(1)
63-557	2	No	No	No	No	No	Sh 10 of 13 CH-M 2758-C	Kerotest	TVD-D-9911X03-(1)
63-558	6	Yes	No	No	No	No	Sh 10 of 13 CH-M 2758-C	Westinghouse	934D185
63-559	6	Yes	No	No	No	No	Sh 8 of 13 CH-M 2758-C	Westinghouse	934D185

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Valve No.	Valve Size	Valve Bolting < = 2"	Valve Bolting > 2"	Valve Body Welds	Integrally Welded Supports	Support Components	Reference Drawing No.	Vendor	Vendor Dwg. No.
63-560	10	Yes	No	No	No	No	Sh 7 of 13 CH-M-2758-C	Westinghouse	934D187
63-561	10	Yes	No	No	No	No	Sh 8 of 13 CH-M-2758-C	Westinghouse	934D187.-
63-562	10	Yes	No	No	No	No	Sh 9 of 13 CH-M-2758-C	Westinghouse	934D187
63-563	10	Yes	No	No	No	No	Sh 10 of 13 CH-M-2758-C	Westinghouse	934D187
63-581	3	Yes	No	No	No	No	Sh 4 of 13 CH-M-2758-C	Westinghouse	934D183
63-582	1 1/2	No	No	No	No	No	Sh 11 of 13 CH-M-2758-C	Borg Warner	80880
63-583	1 1/2	No	No	No	No	No	Sh 12 of 13 CH-M-2758-C	Borg Warner	80880
63-584	1 1/2	No	No	No	No	No	Sh 13 of 13 CH-M-2758-C	Borg Warner	80880
63-585	1 1/2	No	No	No	No	No	Sh 13 of 13 CH-M-2758-C	Borg Warner	80880
63-586	1 1/2	No	No	No	No	No	Sh 11 of 13 CH-M-2758-C	Kerotest	TVD-D-9958X03-(1)
63-587	1 1/2	No	No	No	No	No	Sh 12 of 13 CH-M-2758-C	Kerotest	TVD-D-9958X03-(1)

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Valve No.	Valve Size	Valve Bolting < = 2"	Valve Bolting > 2"	Valve Body Welds	Integrally Welded Supports	Support Components	Reference Drawing No.	Vendor	Vendor Dwg. No.
63-588	1 1/2	No	No	No	No	No	Sh 13 of 13 CH-M-2758-C	Kerotest	TVD-D-9958X03-(1)
63-589	1 1/2	No	No	No	No	No	Sh 13 of 13 CH-M-2758-C	Kerotest	TVD-D-9958X03-(1)
63-622	10	Yes	No	No	No	No	Sh 7 of 13 CH-M-2758-C	Westinghouse	934D187
63-623	10	Yes	No	No	No	No	Sh 8 of 13 CH-M-2758-C	Westinghouse	934D187
63-624	10	Yes	No	No	No	No	Sh 9 of 13 CH-M-2758-C	Westinghouse	934D187
63-625	10	Yes	No	No	No	No	Sh 10 of 13 CH-M-2758-C	Westinghouse	934D187
63-632	6	Yes	No	No	No	No	Sh 8 of 13 CH-M-2758-C	Westinghouse	934D185
63-633	6	Yes	No	No	No	No	Sh 7 of 13 CH-M-2758-C	Westinghouse	934D185
63-634	6	Yes	No	No	No	No	Sh 9 of 13 CH-M-2758-C	Westinghouse	934D185
63-635	6	Yes	No	No	No	No	Sh 10 of 13 CH-M-2758-C	Westinghouse	934D185
FCV-62-69	3	Yes	No	No	No	No	Sh 1 of 2 ISI-0005-C	Fisher	54A0228

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Valve No.	Valve Size	Valve Bolting < 2"	Valve Bolting > 2"	Valve Body Welds	Integrally Welded Supports	Support Components	Reference Drawing No.	Vendor	Vendor Dwg. No.
FCV-62-70	3	Yes	No	No	No	No	Sh 1 of 2 ISI-0005-C	Fisher	54A0228
FCV-62-84	2	Yes	No	No	No	No	Sh 2 of 2 ISI-0005-C	Fisher	54A0235
62-560	2	No	No	No	No	No	Sh 1 of 4 ISI-0050-C	Kerotest	TVD-D-9911-(1)
62-561	2	No	No	No	No	No	Sh 2 of 4 ISI-0050-C	Kerotest	TVD-D-9911-(1)
62-562	2	No	No	No	No	No	Sh 3 of 4 ISI-0050-C	Kerotest	TVD-D-9911-(1)
62-563	2	No	No	No	No	No	Sh 4 of 4 ISI-0050-C	Kerotest	TVD-D-9911-(1)
62-564	2	No	No	No	No	No	Sh 1 of 4 ISI-0050-C	Kerotest	TVD-D-9909-(1)
62-565	2	No	No	No	No	No	Sh 2 of 4 ISI-0050-C	Kerotest	TVD-D-9909-(1)
62-566	2	No	No	No	No	No	Sh 3 of 4 ISI-0050-C	Kerotest	TVD-D-9909-(1)
62-567	2	No	No	No	No	No	Sh 4 of 4 ISI-0050-C	Kerotest	TVD-D-9909-(1)
62-576	2	No	No	No	No	No	Sh 1 of 4 ISI-0050-C	Kerotest	TVD-D-9911-(1)

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Valve No.	Valve Size	Valve Bolting < = 2"	Valve Bolting > 2"	Valve Body Welds	Integrally Welded Supports	Support Components	Reference Drawing No.	Vendor	Vendor Dwg. No.
62-577	2	No	No	No	No	No	Sh 2 of 4 ISI-0050-C	Kerotest	TVD-D-9911-(1)
62-578	2	No	No	No	No	No	Sh 3 of 4 ISI-0050-C	Kerotest	TVD-D-9911-(1)
62-579	2	No	No	No	No	No	Sh 4 of 4 ISI-0050-C	Kerotest	TVD-D-9911-(1)
68-580	3	Yes	No	No	No	No	SH 1 of 2 ISI-0005-C	Velan	E73-035R
62-638	3	Yes	No	No	No	No	Sh 1 of 2 ISI-0005-C	Westinghouse	934D183
62-640	3	Yes	No	No	No	No	Sh 1 of 2 ISI-0005-C	Westinghouse	934D183
62-659	3	Yes	No	No	No	No	Sh 1 of 2 ISI-0005-C	Westinghouse	934D183
62-660	3	Yes	No	No	No	No	Sh 1 of 2 ISI-0005-C	Westinghouse	934D183
62-661	2	No	No	No	No	No	Sh 2 of 2 ISI-0005-C	Kerotest	TVD-D-9911-(2)
68-513	2	No	No	No	No	No	Sh 7 of 11 ISI-0017-C	Kerotest	TVD-D-9909X03-(1)
68-514	3	Yes	No	No	No	No	Sh 4 of 11 ISI-0017-C	Westinghouse	115E021



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Valve No.	Valve Size	Valve Bolting < 2"	Valve Bolting > 2"	Valve Body Welds	Integrally Welded Supports	Support Components	Reference Drawing No.	Vendor	Vendor Dwg. No.
68-515	2	No	No	No	No	No	Sh 8 of 11 ISI-0017-C	Kerotest	TVD-D-9909X03-(1)
68-516	2	No	No	No	No	No	Sh 8 of 11 ISI-0017-C	Kerotest	TVD-D-9909X03-(1)
68-519	3	Yes	No	No	No	No	Sh 3 of 11 ISI-0017-C	Westinghouse	115E021
68-520	2	No	No	No	No	No	Sh 8 of 11 ISI-0017-C	Kerotest	TVD-D-9909X03-(1)
68-521	2	No	No	No	No	No	Sh 8 of 11 ISI-0017-b	Kerotest	TVD-D-9909X03-(1)
68-524	2	No	No	No	No	No	Sh 8 of 11 ISI-0017-C	Kerotest	TVD-D-9909X03-(1)
68-525	3	Yes	No	No	No	No	Sh 3 of 11 ISI-0017-C	Westinghouse	115E021
68-526	2	No	No	No	No	No	Sh 9 of 11 ISI-0017-C	Kerotest	TVD-D-9909X03-(1)
68-527	2	No	No	No	No	No	Sh 9 of 11 ISI-0017-C	Kerotest	TVD-D-9909X03-(1)
FCV-68-332	3	Yes	No	No	No	No	Sh 1 of 11 ISI-0017-C	Westinghouse	115E010
FCV-68-333	3	Yes	No	No	No	No	Sh 1 of 11 ISI-0017-C	Westinghouse	115E010

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<u>Valve No.</u>	<u>Valve Size</u>	<u>Valve Bolting &lt; = 2"</u>	<u>Valve Bolting &gt; 2"</u>	<u>Valve Body Welds</u>	<u>Integrally Welded Supports</u>	<u>Support Components</u>	<u>Reference Drawing No.</u>	<u>Vendor</u>	<u>Vendor Dwg. No.</u>
PCV-68-334	3	No	No	No	No	No	Sh 1 of 11 ISI-0017-C	Target Rock	1052020-3
PCV-68-340A	3	No	No	No	No	No	Sh 1 of 11 ISI-0017-C	Target Rock	1052020-3
PCV-68-340B	4	Yes	No	No	No	No	Sh 2 of 11 ISI-0017-C	Fisher	54A0278
PCV-68-340D	4	Yes	No	No	No	No	Sh 2 of 11 ISI-0017-C	Fisher	54A0278
68-504	2	No	No	No	No	No	Sh 7 of 11 ISI-0017-C	Kerotest	TVD-D-9909X03-(1)
68-505	2	No	No	No	No	No	Sh 7 of 11 ISI-0017-C	Kerotest	TVD-D-9909X03-(1)
68-508	3	Yes	No	No	No	No	Sh 4 of 11 ISI-0017-C	Westinghouse	115E021
68-509	2	No	No	No	No	No	Sh 7 of 11 ISI-0017-C	Kerotest	TVD-D-9909X03-(1)
68-510	2	No	No	No	No	No	Sh 7 of 11 ISI-0017-C	Kerotest	TVD-D-9909X03-(1)
68-530	3	Yes	No	No	No	No	Sh 5 of 11 ISI-0017-C	Westinghouse	115E021
68-531	2	No	No	No	No	No	Sh 9 of 11 ISI-0017-C	Kerotest	TVD-D-9909X03-(1)

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**TABLE E**  
**Class 1 Valves**  
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Valve No.	Valve Size	Valve Bolting < = 2"	Valve Bolting > 2"	Valve Body Welds	Integrally Welded Supports	Support Components	Reference Drawing No.	Vendor	Vendor Dwg. No.
68-532	2	No	No	No	No	No	Sh 9 of 11 ISI-0017-C	Kerotest	TVD-D-9909X03-(1)
68-535	2	No	No	No	No	No	Sh 9 of 11 ISI-0017-C	Kerotest	TVD-D-9909X03-(1)
68-536	3	Yes	No	No	No	No	Sh 5 of 11 ISI-0017-C	Westinghouse	115E021
68-537	2	No	No	No	No	No	Sh 10 of 11 ISI-0017-C	Kerotest	TVD-D-9909X03-(1)
68-538	2	No	No	No	No	No	Sh 10 of 11 ISI-0017-C	Kerotest	TVD-D-9909X03-(1)
68-541	3	Yes	No	No	No	No	Sh 6 of 11 ISI-0017-C	Westinghouse	115E021
68-543	2	No	No	No	No	No	Sh 10 of 11 ISI-0017-C	Kerotest	TVD-D-9909X03-(1)
68-546	2	No	No	No	No	No	Sh 10 of 11 ISI-0017-C	Kerotest	TVD-D-9909X03-(1)
68-547	3	Yes	No	No	No	No	Sh 6 of 11 ISI-0017-C	Westinghouse	115E021
68-542	2	No	No	No	No	No	Sh 10 of 11 ISI-0017-C	Kerotest	TVD-D-9909X03-(1)
68-549	2	No	No	No	No	No	Sh 11 of 11 ISI-0017-C	Kerotest	TVD-D-9909X03-(1)

**TABLE E**  
**Class 1 Valves**  
**Valves Subject to the Requirements of Examination Categories**  
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<b>Valve No.</b>	<b>Valve Size</b>	<b>Valve Bolting &lt; = 2"</b>	<b>Valve Bolting &gt; 2"</b>	<b>Valve Body Welds</b>	<b>Integrally Welded Supports</b>	<b>Support Components</b>	<b>Reference Drawing No.</b>	<b>Vendor</b>	<b>Vendor Dwg. No.</b>
68-550	2	No	No	No	No	No	Sh 11 of 11 ISI-0017-C	Kerotest	TVD-D-9909X03-(1)
68-553	2	No	No	No	No	No	Sh 11 of 11 ISI-0017-C	Kerotest	TVD-D-9909X03-(1)
68-554	2	No	No	No	No	No	Sh 11 of 11 ISI-0017-C	Kerotest	TVD-D-9909X03-(1)
68-557	2	No	No	No	No	No	Sh 11 of 11 ISI-0017-C	Kerotest	TVD-D-9909X03-(1)
68-558	2	No	No	No	No	No	Sh 11 of 11 ISI-0017-C	Kerotest	TVD-D-9909X03-(1)
68-563	6	Yes	No	No	No	No	Sh 1 of 11 ISI-0017-C	Crosby	DSCA56964
68-564	6	Yes	No	No	No	No	Sh 1 of 11 ISI-0017-C	Crosby	DSCA56964
68-565	6	Yes	No	No	No	No	Sh 1 of 11 ISI-0017-C	Crosby	DSCA56964
68-581	2	No	No	No	No	No	Sh 11 of 11 ISI-0017-C	Kerotest	TVD-D-9909X03-(1)
68-582	2	No	No	No	No	No	Sh 11 of 11 ISI-0017-C	Kerotest	TVD-D-9909X03-(1)

**TABLE F**  
**Class 2 Valves**  
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Valve No.	Valve Size	Valve Bolting < = 2"	Valve Bolting > 2"	Valve Body Welds	Integrally Welded Supports	Support Components	Reference Drawing No.	Vendor	Vendor Dwg. No.
HCV-74-34	8	No	No	No	No	No	CH-M-2636-C	Westinghouse	115E017
HCV-74-36	8	No	No	No	No	No	CH-M-2636-C	Westinghouse	115E017
HCV-74-37	8	No	No	No	No	No	CH-M-2636-C	Westinghouse	115E017
74-514	8	No	No	No	No	No	CH-M-2636-C	Westinghouse	934D179
74-515	8	No	No	No	No	No	CH-M-2636-C	Westinghouse	934D179
74-520	8	No	No	No	No	No	CH-M-2636-C	Westinghouse	115E017
74-521	8	No	No	No	No	No	CH-M-2636-C	Westinghouse	115E017
74-524	8	No	No	No	No	No	CH-M-2636-C	Westinghouse	115E017
74-525	8	No	No	No	No	No	CH-M-2636-C	Westinghouse	115E017

**TABLE F (Continued)**  
**Class 2 Valves**  
**Valves Subject to the Requirements of Examination Categories**  
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Valve No.	Valve Size	Valve Bolting > 2	Valve Body Welds	Integrally Welded Supports	Support Components	Reference Drawing No.	Vendor	Vendor Dwg. No.
FCV-63-72	18	No	No	No	No	CH-M-2636-C	Westinghouse	115E615
FCV-63-73	18	No	No	No	No	CH-M-2636-C	Westinghouse	115E615
FCV-63-172	12	No	No	No	No	CH-M-2636-C	Westinghouse	1167E81
63-502	12	No	No	No	No	CH-M-2636-C	Westinghouse	5061D45
FCV-74-3	14	No	No	No	No	CH-M-2636-C	Westinghouse	115E007
FCV-74-16	8	No	No	No	No	CH-M-2636-C	Fisher	F-42433
FCV-74-21	14	No	No	No	No	CH-M-2636-C	Westinghouse	115E007
FCV-74-28	8	No	No	No	No	CH-M-2636-C	Fisher	F-42433
FCV-74-32	8	No	No	No	No	CH-M-2636-C	Fisher	F-42433
FCV-74-33	8	No	No	No	No	CH-M-2636-C	Westinghouse	1167E82
FCV-74-35	8	No	No	No	No	CH-M-2636-C	Westinghouse	1167E82
FCV-1-4	32	No	No	No	No	CH-M-2669-C	Atwood Morrill	13824
FCV-1-11	32	No	No	No	No	CH-M-2669-C	Atwood Morrill	13824
FCV-1-22	32	No	No	No	No	CH-M-2669-C	Atwood Morrill	13824
FCV-1-29	32	No	No	No	No	CH-M-2669-C	Atwood Morrill	13824

**TABLE F (Continued)**  
**Class 2 Valves**  
**Valves Subject to the Requirements of Examination Categories**  
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Valve No.	Valve Size	Valve Bolting > 2	Valve Body Welds	Integrally Welded Supports	Support Components	Reference Drawing No.	Vendor	Vendor Dwg. No.
PCV-1-5	6	No	No	No	No	CH-M-2669-C	Copes Vulcan	174269
PCV-1-12	6	No	No	No	No	CH-M-2669-C	Copes Vulcan	174269
PCV-1-23	6	No	No	No	No	CH-M-2669-C	Copes Vulcan	174269
PCV-1-30	6	No	No	No	No	CH-M-2669-C	Copes Vulcan	174269
1-512	6	No	Yes	No	No	CH-M-2669-C	Dresser	3NC-040
1-513	6	No	Yes	No	No	CH-M-2669-C	Dresser	3NC-040
1-514	6	No	Yes	No	No	CH-M-2669-C	Dresser	3NC-040
1-515	6	No	Yes	No	No	CH-M-2669-C	Dresser	3NC-040
1-516	6	No	Yes	No	No	CH-M-2669-C	Dresser	3NC-040
1-517	6	No	Yes	No	No	CH-M-2669-C	Dresser	3NC-040
1-518	6	No	Yes	No	No	CH-M-2669-C	Dresser	3NC-040
1-519	6	No	Yes	No	No	CH-M-2669-C	Dresser	3NC-040
1-520	6	No	Yes	No	No	CH-M-2669-C	Dresser	3NC-040
1-521	6	No	Yes	No	No	CH-M-2669-C	Dresser	3NC-040
1-522	6	No	Yes	No	No	CH-M-2669-C	Dresser	3NC-040

**TABLE F (Continued)**  
**Class 2 Valves**  
**Valves Subject to the Requirements of Examination Categories**  
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Valve No.	Valve Size	Valve Bolting > 2	Valve Body Welds	Integrally Welded Supports	Support Components	Reference Drawing No.	Vendor	Vendor Dwg. No.
1-523	6	No	Yes	No	No	CH-M-2669-C	Dresser	3NC-040
1-524	6	No	Yes	No	No	CH-M-2669-C	Dresser	3NC-040
1-525	6	No	Yes	No	No	CH-M-2669-C	Dresser	3NC-040
1-526	6	No	Yes	No	No	CH-M-2669-C	Dresser	3NC-040
1-527	6	No	Yes	No	No	CH-M-2669-C	Dresser	3NC-040
1-528	6	No	Yes	No	No	CH-M-2669-C	Dresser	3NC-040
1-529	6	No	Yes	No	No	CH-M-2669-C	Dresser	3NC-040
1-530	6	No	Yes	No	No	CH-M-2669-C	Dresser	3NC-040
1-531	6	No	Yes	No	No	CH-M-2669-C	Dresser	3NC-040
1-619	6	No	No	No	No	CH-M-2669-C	Walworth	SA-2034-4B
1-620	6	No	No	No	No	CH-M-2669-C	Walworth	SA-2034-4B
1-621	6	No	No	No	No	CH-M-2669-C	Walworth	SA-2034-4B
1-622	6	No	No	No	No	CH-M-2669-C	Walworth	SA-2034-4B
FCV-3-33	16	No	No	No	No	CH-M-2671-C	Walworth	A-12819-M-1D
FCV-3-47	16	No	No	No	No	CH-M-2671-C	Walworth	A-12819-M-1D



TABLE F (Continued)  
 Class 2 Valves  
 Valves Subject to the Requirements of Examination Categories  
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Valve No.	Valve Size	Valve Bolting > 2	Valve Body Welds	Integrally Welded Supports	Support Components	Reference Drawing No.	Vendor	Vendor Dwg. No.
FCV-3-87	16	No	No	No	No	CH-M-2671-C	Walworth	A-12819-M-1D
FCV-3-100	16	No	No	No	No	CH-M-2671-C	Walworth	A-12819-M-1D
FCV-3-236	6	No	No	No	No	CH-M-2671-C	Leslie	717543030D
FCV-3-239	6	No	No	No	No	CH-M-2671-C	Leslie	717543030D
FCV-3-242	6	No	No	No	No	CH-M-2671-C	Leslie	717543030D
FCV-3-245	6	No	No	No	No	CH-M-2671-C	Leslie	717543030D
13-508	16	No	No	No	No	CH-M-2671-C	Walworth	A-12386-M-3
3-509	16	No	No	No	No	CH-M-2671-C	Walworth	A-12386-M-3
3-510	16	No	No	No	No	CH-M-2671-C	Walworth	A-12386-M-3
3-511	16	No	No	No	No	CH-M-2671-C	Walworth	A-12386-M-3
3-638	6	No	Yes	No	No	CH-M-2671-C	Borg Warner	455KAB1-001
3-644	6	No	Yes	No	No	CH-M-2671-C	Borg Warner	455KAB1-001
3-645	6	No	Yes	No	No	CH-M-2671-C	Borg Warner	455KAB1-001
3-652	6	No	Yes	No	No	CH-M-2671-C	Borg Warner	455KAB1-001
3-655	6	No	Yes	No	No	CH-M-2671-C	Borg Warner	455KAB1-001

**TABLE F (Continued)**  
**Class 2 Valves**  
**Valves Subject to the Requirements of Examination Categories**  
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Valve No.	Valve Size	Valve Bolting > 2	Valve Body Welds	Integrally Welded Supports	Support Components	Reference Drawing No.	Vendor	Vendor Dwg. No.
3-656	6	No	Yes	No	No	CH-M-2671-C	Borg Warner	455KAB1-001
3-669	6	No	Yes	No	No	CH-M-2671-C	Borg Warner	455KAB1-001
3-670	6	No	Yes	No	No	CH-M-2671-C	Borg Warner	455KAB1-001
3-678	6	No	Yes	No	No	CH-M-2671-C	Borg Warner	455KAB1-001
3-679	6	No	Yes	No	No	CH-M-2671-C	Borg Warner	455KAB1-001
FCV-63-8	8	No	No	No	No	CH-M-2758-C	Westinghouse	115E005
FCV-63-11	8	No	No	No	No	CH-M-2758-C	Westinghouse	115E005
FCV-63-93	8	No	No	No	No	CH-M-2758-C	Westinghouse	115E012
FCV-63-94	8	No	No	No	No	CH-M-2758-C	Westinghouse	115E012

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<u>System</u>		<u>Dwg. No.</u>		<u>Table</u>							
RC		ISI-0010-C		IWB							
<u>Support No.</u>	<u>Sheet No.</u>	<u>Support Type</u>					<u>Integrally-Welded Attachment Size</u>	<u>Exam Required</u>	<u>Bolting</u>	<u>Acceptance Range</u>	
		<u>Pipe Size</u>	<u>Restraint</u>	<u>Snubber</u>	<u>Spring</u>	<u>Anchor</u>					<u>Stroke</u>
RCH-79	1	3	X				No	VT-3	Yes		
RCH-80	1	3		PSA-3			5"	No	VT-3,4	Yes	1/4" - 1 7/16"
RCH-81	1	3			BP-4200-C1		5"	No	VT-3,4	Yes	3 9/16" - 4 3/4"
RCH-92	1	3	X					No	VT-3	Yes	
RCH-93	1	3		PSA-3			5"	No	VT-3,4	Yes	1/4" - 1 7/16"
RCH-94	1	3			CSB-4200-C1-14		4 1/2"	No	VT-3,4	Yes	3 9/16" - 4 1/4"
RCH-96	1	3		PSA-3			5"	No	VT-3,4	Yes	1/4" - 1 1/2"
RCH-411	1	6	X					No	VT-3	No	
RCH-412	1	6		PSA-3(2)			5"	Yes 3/4" lug	VT-3,4,ST	Yes	3/8" - 4 11/16"
RCH-413	1	6		BP-CSV-13(2)			5"	Yes 3/4" lug	VT-3,4,ST	Yes	3 3/8" - 4 3/4"
RCH-415	1	3		PSA-1 (2)			4"	Yes 1/2" lug	VT-3,4	Yes	9/16" - 3 11/16"
RCH-420	1	6	X					No	VT-3	Yes	
RCH-426	1	6	X					No	VT-3	Yes	
RCH-427	1	6		PSA-3			5"	No	VT-3,4	Yes	3/4" - 4 3/4"

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System		Dwg. No.		Table								
RC		ISI-0010-C		IWB								
Support No.	Sheet No.	Pipe Size	Support Type				Integrally-Welded Attachment Size	Exam Required	Bolting	Acceptance Range		
			Restraint	Snubber	Spring	Anchor					Stroke	
RCH-432	1	6	X					No	VT-3	Yes		
RCH-433	1	6		PSA-10 (2)				6"	No	VT-3,4	Yes	9/16" - 5 3/4"
RCH-11	2	6				BP-22A1 (2)		4"	No	VT-3,4	Yes	3 1/16" - 3 3/4"
RCH-12	2	6		PSA-3				5"	No	VT-3,4	Yes	5/8" - 4 3/4"
RCH-14	2	6	X						No	VT-3	Yes	
RCH-15	2	6	X						No	VT-3	Yes	
RCH-18	2	6		PSA-1/4 (2)				4"	No	VT-3,4	Yes	1" - 3 3/4"
RCH-20	2	4		PSA-3				5"	No	VT-3,4	Yes	9/16" - 4 9/16"
RCH-21	2	4		PSA-1 (2)				4"	No	VT-3,4	Yes	1/4" - 3 3/8"
RCH-22	2	4		PSA-1				4"	No	VT-3,4	Yes	1/4" - 2 5/8"
RCH-25	2	4				BP-VS2F-10		2 3/8	No	VT-3,4	Yes	5/8" - 2 1/8"
RCH-26	2	4	X						No	VT-3	Yes	
RCH-27	2	4		PSA-3				5"	No	VT-3,4	Yes	1/4" - 4 3/16"
RCH-28	2	4				BP-VS4A-8		4 3/4	No	VT-3,4	Yes	1" - 4 1/2"
RCH-29	2	4	X						No	VT-3	Yes	

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<u>System</u>		<u>Dwg. No.</u>		<u>Table</u>						
RC		ISI-0010-C		IWB						
<u>Support No.</u>	<u>Sheet No.</u>	<u>Support Type</u>				<u>Stroke</u>	<u>Integrally-Welded Attachment Size</u>	<u>Exam Required</u>	<u>Bolting</u>	<u>Acceptance Range</u>
		<u>Pipe Size</u>	<u>Restraint</u>	<u>Snubber</u>	<u>Spring</u>					
RCH-30	2	4		PSA-3		5"	No	VT-3,4	Yes	3/4" - 4 3/4"
RCH-31	2	4		PSA-1/4		4"	No	VT-3,4	Yes	1 5/8" - 3 3/4"
RCH-34	2	4		PSA-1		4"	No	VT-3,4	Yes	1" - 3 3/4"
RCH-35	2	4			BP-VS4B-7 (2)	4 3/4	No	VT-3,4	Yes	3/4" - 4 1/2"
RCH-36	2	4		PSA-1/2		2 1/2	No	VT-3,4	Yes	3/4" - 2 1/4"
RCH-37	2	4	X				No	VT-3	Yes	
RCH-38	2	4	X				No	VT-3	Yes	
RCH-39	2	4		PSA-10		6"	No	VT-3,4	Yes	1 13/16" - 5 3/4"
RCH-40	2	4	X				No	VT-3	Yes	
RCH-41	2	4		PSA-3		5"	No	VT-3,4	Yes	1 1/16" - 4 3/4"
RCH-54	2	6	X				No	VT-3	Yes	
RCH-55	2	6		PSA-1/2		2 1/2	No	VT-3,4	Yes	5/8" - 2 1/4"
RCH-57	2	6	X				No	VT-3	Yes	
RCH-151	3	3		PSA-3		5"	No	VT-3,4	Yes	1/2" - 3 15/16"
RCH-152	3	3		PSA-1/4		4"	No	VT-3,4	Yes	1 1/2" - 3 3/4"

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<u>System</u>		<u>Dwg. No.</u>		<u>Table</u>							
RC		ISI-0010-C		IWB							
Support No.	Sheet No.	<u>Support Type</u>				Integrally-Welded Attachment Size	Exam Required	Bolting	Acceptance Range		
		Pipe Size	Restraint	Snubber	Spring					Anchor	Stroke
RCH-153	3	3	X			No	VT-3	Yes	-		
RCH-155	3	3		PSA-3		No	VT-3,4	Yes	3/8" - 4 11/16"		
RCH-156	3	3	X			No	VT-3	No			
RCH-157	3	3		PSA-1		No	VT-3,4	Yes	1 1/2" - 3 3/4"		
RCH-163	3	3			BP-VS2C-9	No	VT-3,4	Yes	3/8" - 2 1/8"		
RCH-164	3	3		PSA-1		No	VT-3,4	Yes	1/4" - 3 1/8"		
RCH-165	3	3	X			No	VT-3	Yes			
RCH-166	3	3	X			No	VT-3	Yes			
RCH-167	3	3		PSA-1		No	VT-3,4	Yes	1/4" - 1 5/8"		
RCH-168	3	3	X			No	VT-3	Yes			
RCH-192	4	3		PSA-1		No	VT-3,4	Yes	1" - 3 3/4"		
RCH-193	4	3		PSA-3		No	VT-3,4	Yes	1 5/8" - 4 3/4"		
RCH-194	4	3		PSA-3		No	VT-3,4	Yes	7/16" - 4 3/4"		
RCH-195	4	3		PSA-1/4		No	VT-3,4	Yes	2 1/16" - 3 3/4"		
RCH-196	4	3	X			No	VT-3	Yes			

**TABLE G**  
**COMPONENTS SUBJECT TO EXAMINATION CATEGORY**  
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<u>System</u>		<u>Dwg. No.</u>		<u>Table</u>							
RC		ISI-0010-C		IWB							
Support No.	Sheet No.	<u>Support Type</u>					Integrally-Welded Attachment Size	Exam Required	Bolting	Acceptance Range	
		Pipe Size	Restraint	Snubber	Spring	Anchor Stroke					
RCH-197	4	3	X				No	VT-3	Yes		
RCH-198	4	3	X				No	VT-3	Yes		
RCH-199	4	3		PSA-1		4"	No	VT-3,4	Yes	1 7/8" - 3 3/4"	
RCH-200	4	3	X				No	VT-3	No		
RCH-201	4	3		PSA-1/2		2 1/2"	No	VT-3,4	Yes	1/4" - 1 13/16"	
RCH-202	4	3	X				No	VT-3	Yes		
RCH-203	4	3	X				No	VT-3	Yes		
RCH-204	4	3		PSA-1		4"	No	VT-3,4	Yes	2 3/8" - 2 3/4"	
RCH-246	5	3			BP-3200-B6	2 3/8"	No	VT-3,4	Yes	1/4" - 1 15/16"	
RCH-251	5	3		PSA-1/2		2 1/2"	No	VT-3,4	Yes	3/8" - 1 7/8"	
RCH-252	5	3		PSA-1/4		4"	No	VT-3,4	Yes	2 3/8" - 3 3/4"	
RCH-253	5	3	X				No	VT-3	Yes		
RCH-255	5	3		PSA-1/2		2 1/2"	No	VT-3,4	Yes	1/4" - 2 1/16"	
RCH-257	5	3		PSA-1		4"	No	VT-3,4	Yes	2 3/16" - 3 3/4"	
RCH-263	5	3			BP-VS2C-10	2 3/8"	No	VT-3,4	Yes	1/4" - 1 3/4"	

TABLE C  
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<u>System</u>		<u>Dwg. No.</u>		<u>Table</u>							
RC		ISI-0010-C		IWB							
<u>Support No.</u>	<u>Sheet No.</u>	<u>Support Type</u>					<u>Integrally-Welded Attachment Size</u>	<u>Exam Required</u>	<u>Bolting</u>	<u>Acceptance Range</u>	
		<u>Pipe Size</u>	<u>Restraint</u>	<u>Snubber</u>	<u>Spring</u>	<u>Anchor</u>					<u>Stroke</u>
RCH-264	5	3		PSA-1/4			4"	No	VT-3,4	Yes	5/16" - 3 5/16"
RCH-265	5	3	X					No	VT-3	Yes	
RCH-266	5	3	X					No	VT-3	Yes	
RCH-267	5	3	X					No	VT-3	Yes	
RCH-268	5	3		PSA-1			4"	No	VT-3,4	Yes	1/4" - 1 3/4"
RCH-301	6	3		PSA-1			4"	No	VT-3,4	Yes	9/16" - 3 5/16"
RCH-302	6	3		PSA-1/4			4"	No	VT-3,4	Yes	1 9/16" - 3 3/4"
RCH-303	6	3	X					No	VT-3	Yes	
RCH-305	6	3		PSA-1			4"	No	VT-3,4	Yes	3/8" - 3 5/8"
RCH-306	6	3	X					No	VT-3	Yes	
RCH-307	6	3		PSA-1			4"	No	VT-3,4	Yes	2" - 3 3/4"
RCH-313	6	3				BP-VS2C-9	2 3/8	No	VT-3,4	Yes	3/8" - 2 1/16"
RCH-314	6	3		PSA-1			4"	No	VT-3,4	Yes	5/16" - 3 5/8"
RCH-315	6	3	X					No	VT-3	Yes	



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COMPONENTS SUBJECT TO EXAMINATION CATEGORY

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System	Dwg. No.	Table	Support Type						Integrally- Welded Attachment Size	Exam Required	Bolting	Acceptance Range
			RC	ISI-0010-C	IWB	Restraint	Snubber	Spring				
Support No.	Sheet No.	Pipe Size										
RCH-316	6	3	X						No	VT-3	Yes	
RCH-317	6	3	X						No	VT-3	Yes	
RCH-318	6	3		PSA-1				4"	No	VT-3,4	Yes	1/4" - 1 5/8"
RCH-146	7	2			BP-3200- CR13-6			2 3/8	No	VT-3,4	Yes	5/16" - 1 3/4"
RCH-147	7	2	X						No	VT-3	Yes	
RCH-148	7	2		PSA-1/2				2 1/2	No	VT-3,4	Yes	1 1/2" - 2 1/4"
RCH-149	7	2	X						No	VT-3	Yes	
RCH-150	7	2		PSA-1/4				4"	No	VT-3,4	Yes	1 9/16" - 3 3/4"
RCH-158	7	2	X						No	VT-3	Yes	
RCH-159	7	2	X						No	VT-3	Yes	
RCH-160	7	2		PSA-1/4				4"	No	VT-3,4	Yes	1/4" - 1 3/4"
RCH-161	7	2	X						No	VT-3	Yes	
RCH-162	7	2		PSA-1				4"	No	VT-3,4	Yes	1/4" - 1 5/8"
RCH-173	7	2		PSA-3				5"	No	VT-3,4	Yes	1 1/2" - 4"

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ASME CLASS 1 SUPPORTS

<u>System</u>		<u>Dwg. No.</u>		<u>Table</u>							
RC		IBI-0010-C		IWB							
<u>Support No.</u>	<u>Sheet No.</u>	<u>Support Type</u>					<u>Integrally-Welded Attachment Size</u>	<u>Exam Required</u>	<u>Bolting</u>	<u>Acceptance Range</u>	
		<u>Pipe Size</u>	<u>Restraint</u>	<u>Snubber</u>	<u>Spring</u>	<u>Anchor</u>					<u>Stroke</u>
RCH-189	8	2				BP-VSID-8	1 3/16	No	VT-3,4	Yes	7/16" - 15/16"
RCH-190	8	2	X					No	VT-3	Yes	
RCH-191	8	2			PSA-1/2		2 1/2	No	VT-3,4	Yes	1 15/16" - 2 1/4"
RCH-205	8	2	X					No	VT-3	Yes	
RCH-206	8	2	X					No	VT-3	Yes	
RCH-207	8	2			PSA-1		4"	No	VT-3,4	Yes	5/16" - 3 5/8"
RCH-208	8	2			PSA-1		4"	No	VT-3,4	Yes	5/16" - 1 9/16"
RCH-209	8	2	X					No	VT-3	Yes	
RCH-210	8	2			PSA-1		"	No	VT-3,4	Yes	1/4" - 2 1/4"
RCH-215	8	2			PSA-3		5"	No	VT-3,4	Yes	7/8" - 3 15/16"
RCH-247	9	2	X					No	VT-3	Yes	
RCH-248	9	2			PSA-1/4		4"	No	VT-3,4	Yes	1/4" - 2 1/4"
RCH-250	9	2			PSA-1/4		4"	No	VT-3,4	Yes	2 3/8" - 3 3/4"
RCH-258	9	2	X					No	VT-3	Yes	
RCH-259	9	2	X					No	VT-3	Yes	

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			Pipe Size	Restraint	Snubber	Spring	Anchor	Stroke					
RC	ISI-0010-C	IWB											
RCH-260	9	2			PSA-1				4"	No	VT-3,4	Yes	1/4" - 1 9/16"
RCH-261	9	2	X							No	VT-3	No	
RCH-262	9	2			PSA-1				4"	No	VT-3,4	Yes	2 3/4" - 3 3/4"
RCH-296	10	2				BP-VS2C-9			2 3/8"	No	VT-3,4	Yes	19/64" - 1 3/4"
RCH-297	10	2	X							No	VT-3	Yes	
RCH-298	10	2			PSA-1				4"	No	VT-3,4	Yes	1 7/16" - 3 3/4"
RCH-299	10	2	X							No	VT-3	Yes	
RCH-300	10	2			PSA-1/4				4"	No	VT-3,4	Yes	1 5/8" - 3 3/4"
RCH-308	10	2	X							No	VT-3	Yes	
RCH-309	10	2	X							No	VT-3	Yes	
RCH-310	10	2			PSA-1				4"	No	VT-3,4	Yes	1/4" - 1 7/16"
RCH-311	10	2	X							No	VT-3	Yes	
RCH-312	10	2			PSA-3				5"	No	VT-3,4	Yes	2 5/16" - 3 3/4"
RCH-319	10	2			PSA-3				5"	No	VT-3,4	Yes	1/4" - 3 7/8"
RCH-333	11	2			PSA-1/2				2 1/2"	No	VT-3,4	Yes	1/4" - 1 1/8"

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RC		ISI-0010-C		IWB							
Support No.	Sheet No.	Pipe Size	Support Type			Anchor	Stroke	Integrally-Welded Attachment Size	Exam Required	Bolting	Acceptance Range
			Restraint	Snubber	Spring						
RCH-334	11	2		PSA-1	BP-VS2A-4		4" 2 3/8"	No	VT-3,4	Yes	1/4" - 3 1/4" 1/4" - 1 1/4"
RCH-335	11	2		PSA 1/4(2)			4"(vert) 4"(horz)	No	VT-3,4	Yes	1/4" - 3 1/16" 1/4" - 2 1/16"
RCH-347	11	2		PSA-1/4			4"	No	VT-3,4	Yes	1/4" - 2 5/8"
RCH-348	11	2			BP-3400-4C		4 3/4	No	VT-3,4	Yes	1/4" - 3 5/8"
RCH-349	11	2		PSA-1/4			4"	No	VT-3,4	Yes	7/8" - 3 3/4"
RCH-350	11	2		PSA-1/4(2)			4"(vert) 4"(horz)	No	VT-3,4	Yes	1/4" - 3 1/16" 1/4" - 2 1/8"
RCH-363	11	2		PSA-1/2			2 1/2	No	VT-3,4	Yes	1/4" - 1 1/8"
RCH-364	11	2		PSA-1 (2)	BP-VS2B-3		4" 2 3/8"	No	VT-3,4	Yes	1/4" - 3 5/16" 1/4" - 1 3/4"
RCH-365	11	2		PSA-1/4 (2)			4"(vert) 4"(horz)	No	VT-3,4	Yes	1/4" - 2 15/16" 1 7/8" - 3 3/4"
RCH-378	11	2		PSA-1/2			2 1/2	No	VT-3,4	Yes	1/4" - 1 3/8"
RCH-379	11	2		PSA-1/2	BP-VS2B-3		2 1/2 2 3/8	No	VT-3,4	Yes	1/4" - 1 15/16" 1/4" - 1 9/16"

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ASME CLASS I SUPPORTS

System	Dwg. No.	Table		Support Type							Exam Required	Bolting	Acceptance Range	
		RC	IWI	Pipe Size	Restraint	Snubber	Spring	Anchor	Stroke	Integrally-Welded Attachment Size				
RHR	ISI-0020-C		IWI											
RCH-380	11	2	PSA-1/4(2)						4"(vert) 4"(horz)	No	VT-3,4	Yes	1/4" - 3 5/16" 1 3/16" - 3 3/4"	
RHRH-2	1	14		X						No	VT-3	Yes		
RHRH-5	1	14		X						No	VT-3	Yes		
RHRH-6	1	14		X						No	VT-3	Yes		
RHRH-7	1	14	PSA-10 (2)					6"		No	VT-3,4	Yes	2 3/8" - 5 3/4"	
RHRH-8	1	14	PSA-35 (2)					6"		No	VT-3,4	Yes	1 1/4" - 5 3/8"	
RHRH-10	1	14		X						No	VT-3	Yes		
RHRH-11	1	10	PSA-10					6"		No	VT-3,4	Yes	1/4" - 3 13/16"	
RHRH-12	1	10		X						No	VT-3	No		
RHRH-20	1	14	PSA-10 (2)					6"		No	VT-3,4	Yes	1 1/8" - 5 3/4"	
RHRH-22	1	14				BP-VSIF-18		1 3/16"		No	VT-3,4	Yes	3/8" - 1/2"	
RHRH-23	1	14	PSA-35					6"		No	VT-3, 4	Yes	1/4" - 5 1/2"	
SIH-365	7	8	PSA-10					6"		No	VT-3,4	Yes	3/4" - 5 1/4"	
SIH-366	7	8	PSA-10					6"		No	VT-3,4	Yes	1 3/8" - 5 3/4"	

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RHR		ISI-0020-C		IWB							
Support No.	Sheet No.	Support Type				Stroke	Integrally-Welded Attachment Size	Exam Required	Bolting	Acceptance Range	
		Pipe Size	Restraint	Snubber	Spring						
SIH-367	7	8			BP-VS2F	2 3/8	No	VT-3,4	Yes	1/2 - 2 1/8"	
SIH-368	7	8			PSA-10	6"	No	VT-3,4	Yes	1/4" - 5 3/8"	
SIH-369	7	8	X				No	VT-3	Yes		
SIH-370	7	8	X				No	VT-3	Yes		
SIH-340	8	8			PSA-35	6"	No	VT-3,4	Yes	1 1/4" - 5 3/4"	
SIH-341	8	8			PSA-10	6"	No	VT-3,4	Yes	11/16" - 5 3/4"	
SIH-342	8	8			BP-VS4B	4 3/4	No	VT-3,4	Yes	5/8" - 4 1/2"	
SIH-343	8	8	X				No	VT-3	Yes		
SIH-344	8	8			PSA-3	5"	No	VT-3,4	Yes	1/4" - 3 3/4"	
SIH-345	8	8	X				No	VT-3	Yes		
SIH-346	8	8	X				No	VT-3	Yes		
SIH-596	8	2			PSA-1	4"	No	VT-3,4	Yes	3/8" - 3 3/4"	
SIH-597	8	2			PSA-1/4	4"	No	VT-3,4	Yes	1/4" - 3 9/16"	
SIH-598	8	8			PSA-1/4	4"	No	VT-3,4	Yes	5/16" - 3 3/4"	
SIH-602	8	8			PSA-10	6"	No	VT-3,4	No	7/8" - 5 1/2"	

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		RHR SIS	ISI-0020-C ISI-0021-C	IWB IWB	Pipe Size	Restraint	Snubber	Spring	Anchor	Stroke					
SIH-388	7				X						No	VT-3	Yes		
SIH-387	7				X						No	VT-3	Yes		
SIH-065	4					PSA-3				5"	No	VT-3,4	Yes	2 3/8" - 4 3/4"	
SIH-066	4					PSA-3				5"	No	VT-3,4	Yes	1 1/16" - 4 3/4"	
SIH-067	4				X						No	VT-3	Yes		
SIH-068	4				X						No	VT-3	Yes		
SIH-070	4				X						No	VT-3	Yes		
SIH-071	4					PSA-35				6"	No	VT-3,4	Yes	1/4" - 5 5/8"	
SIH-072	4				X						No	VT-3	Yes		
SIH-073	4					PSA-10				6"	No	VT-3,4	Yes	1/4" - 5 11/16"	
SIH-080	4						BP-VS2B (2)			2 3/8"	No	VT-3,4	Yes	1/4" - 1 11/16"	
SIH-081	4					PSA-3				5"	No	VT-3,4	Yes	15/16" - 4 3/4"	
SIH-082	4				X						No	VT-3	Yes		
SIH-083	4				X						No	VT-3	Yes		