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September 10, 1984

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Byron Generating Station Units 1 and 2
Braidwood Generating Station Units 1 and 2
Environmental Qualification of Equipment
NRC Docket Nos. 50-454/455 and 50-456/457

Reference (a): August 22, 1984 letter from B. J. Youngblood
to D. L. Farrar.

Dear Mr. Denton:

This letter provides additional information regarding environmental qualification of equipment at Byron and Braidwood stations. NRC review of this information is necessary to close Outstanding Item 7 in by Byron SER.

Attachment A to this letter contains the responses to eight of the nine NRC questions transmitted in reference (a). The response to the ninth question will be submitted in a few days. All of this information has already been discussed with the NRC Staff in telephone conference calls.

Please direct further questions regarding this matter to this office.

One signed original and fifteen copies of this letter are provided for NRC review. The updated equipment qualification data sheets discussed in the response to question 6 are voluminous. One copy is being provided here and one copy is being forwarded directly to the NRC Licensing Project Manager, Len Olshan.

Very truly yours,

T. R. Tramm
Nuclear Licensing Administrator

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ATTACHMENT A

RESPONSE TO REQUEST FOR ADDITION INFORMATION ENVIRONMENTAL QUALIFICATION

NRC Request 1

Verify that you have performed an analysis that demonstrates that multiple failures of non-safety equipment caused by a high energy line break are bounded by the FSAR Chapter 15 analysis (required by IE Information Notice 79-22).

Response 1

Byron/Braidwood FSAR Question 031.42 requested CECO to review the Byron/Braidwood design and identify any non-safety grade or control equipment which if subjected to the adverse environment of high energy line break, could impact the safety analysis and the adequacy of the protective functions performed by the safety grade equipment. In the response to this question, which was submitted as part of Amendment 32 to the Byron/Braidwood FSAR in August, 1981, four systems were identified which, if subjected to an adverse environment, could partially lead to control system faulty operation which may impact protective functions. These four systems have been investigated and it has been concluded that the proposed accident sequences are either not applicable to Byron/Braidwood or would not result in a more limiting event than those presented in the Plant Safety Analysis Report. Refer to response to Q31.42 for details.

The Byron/Braidwood electrical design does not utilize any non safety related electrical equipment whose failure under the postulated environmental conditions could prevent a satisfactory accomplishment of safety functions by the safety related equipment. All Byron/Braidwood electrical circuits/equipment are designated either Class 1E or Non Class 1E. Associated cables are not utilized on Byron/Braidwood design. Class 1E components of an ESF division are physically and electrically separated from Class 1E components of the redundant ESF division as well as Non Class 1E components that could cause loss of redundancy as the result of a design basis event affecting failure of these components. The physical and electrical separation is in accordance with the guidelines presented in IEEE 384-1974 and Regulatory Guide 1.75 (which contain certain exceptions as documented in Appendix A to the FSAR). The separation requirements are incorporated in the design through the project Electrical Separation Design Criteria and Project procedures. For cases where the circuit design requires an interface between Class 1E and Non Class 1E circuits, specific analyses are performed on a case by case basis to show that any postulated failures in the Non Class 1E circuit will not prevent a Class 1E circuit from performing its safety function. These analyses are documented and maintained on file along with other documents.

This issue was previously reviewed by the NRC Staff as documented in the Byron SER Section 7.7.3.3, pages 7-38, 39.

NRC Request 2

Verify that all installed Category I and II instruments for post-accident monitoring (Regulatory Guide 1.97 instrumentation) are included in your qualification program.

Response 2

Attached is a listing of Reg. Guide 1.97 components. Selection and qualification of these components is based upon commitments to the following documents:

- a) NUREG-0588
- b) Reg Guide 1.97
- c) Letter from Cordell Reed to Harold R. Denton dated August 25, 1983. (Revised commitment, regarding NUREG-0737 Supplement No. 1, generic letter No. 92-33).
- d) Safety Evaluation Report Byron Station, Units 1 and 2 Supplement No. 2 dated January, 1983, Section 7.5.2.2.

Contingent upon these commitments all Cat. 1 and Cat. 2 Regulatory Guide 1.97 IE equipment located in harsh environments is qualified.

PAM INSTRUMENTS

Note: This is a listing of those local mounted instruments which are currently specified for Post Accident Monitoring service and are being or have been procured to the equipment qualification requirements of a Category 1 or 2 component (per R.G. 1.97, Rev. 3) Unit 1 instruments are listed only. The primary element (transmitter, sensor, etc.) is listed with the implication that the balance of the instrument loop, required to support display and recording functions, is to be qualified also. However, the environment is mild since the balance of each instrument loop is located in the Aux. Electric & Main Control Rooms.

<u>Instrument No.</u>	<u>Service</u>	<u>R.G. 1.97</u> <u>Cat.</u>	<u>NUREG-0737</u> <u>Act. Item</u>	<u>COL-ROW</u>	<u>EL.</u>	<u>Instr.</u> <u>Loc. Dwg.</u>	<u>Instr.</u> <u>Location</u>
1PT-403	RCS WR Pressure	1	N/A	G-1	Cont. 377	M821-3	1PL75J
1PT-405	RCS WR Pressure	1	N/A	L-5	Cont. 377	M821-3	1PL66J
• 1TE-413A	RC Temperature WR T _{Hot}	1	N/A	D-7	Cont. 390	6/20E-1-3521	LM
• 1TE-423A	RC Temperature WR T _{Hot}	1	N/A	H-7	Cont. 390	6/20E-1-3522	LM
• 1TE-433A	RC Temperature WR T _{Hot}	1	N/A	H-6	Cont. 390	6/20E-1-3527	LM
• 1TE-443A	RC Temperature WR T _{Hot}	1	N/A	D-5	Cont. 390	6/20E-1-3524	LM
• 1TE-413B	RC Temperature WR T _{Cold}	1	N/A	D-8	Cont. 390	6/20E-1-3521	LM
• 1TE-423B	RC Temperature WR T _{Cold}	1	N/A	H-9	Cont. 390	6/20E-1-3522	LM
• 1TE-433B	RC Temperature WR T _{Cold}	1	N/A	H-4	Cont. 390	6/20E-1-3527	LM
• 1TE-443B	RC Temperature WR T _{Cold}	1	N/A	D-4	Cont. 390	6/20E-1-3524	LM
• 1LT-501	SG WR Level	1	N/A	A-8	Cont. 377	M821-1	1PL50J
• 1LT-502	SG WR Level	1	N/A	L-7	Cont. 377	M821-2	1PL67J
• 1LT-503	SG WR Level	1	N/A	G-1	Cont. 377	M821-3	1PL75J
• 1LT-504	SG WR Level	1	N/A	D-1	Cont. 377	M821-4	1PL52J
• 1LT-517	SG NR Level	1	N/A	A-6	Cont. 401	M822-4	1PL69J
• 1LT-518	SG NR Level	1	N/A	C-10	Cont. 412	M823-1	LM
• 1LT-519	SG NR Level	1	N/A	A-4	Cont. 412	M823-4	1PL57J
• 1LT-527	SG NR Level	1	N/A	G-1	Cont. 377	M821-3	1PL75J
• 1LT-528	SG NR Level	1	N/A	J-10	Cont. 412	M823-2	LM

PAM INSTRUMENTS

<u>Instrument No.</u>	<u>Service</u>	<u>R.G. 1.97 Cat.</u>	<u>NUREG-0737 Act. Item</u>	<u>COL-ROW</u>	<u>EL.</u>	<u>Instr. Loc. Dwg.</u>	<u>Instr. Location</u>
• 1LT-529	SG NR Level	1	N/A	G-11	Cont. 412	M823-2	1PL71J
• 1LT-537	SG NR Level	1	N/A	G-1	Cont. 377	M821-3	1PL75J
• 1LT-538	SG NR Level	1	N/A	K-7	Cont. 412	M823-2	LM
• 1LT-539	SG NR Level	1	N/A	G-11	Cont. 412	M823-2	1PL71J
• 1LT-547	SG NR Level	1	N/A	A-6	Cont. 401	M822-4	1PL69J
• 1LT-548	SG NR Level	1	N/A	A-8	Cont. 412	M823-1	LM
• 1LT-549	SG NR Level	1	N/A	A-4	Cont. 412	M823-4	1PL57J
• 1LT-459	Pressurizer Level	1	N/A	A-8	Cont. 377	M821-1	1PL50J
• 1LT-460	Pressurizer Level	1	N/A	F-10	Cont. 377	M821-1	LM
• 1LT-461	Pressurizer Level	1	N/A	D-1	Cont. 377	M821-4	1PL52J
1PT-934	Containment NR Pressure	1	N/A	C-1	Cont. 426	M824-4	LM
• 1PT-935	Containment NR Pressure	1	N/A	V-12	Aux. 426	M831-11	
				B-2	Cont. 451	M825-4	LM
• 1PT-936	Containment NR Pressure	1	N/A	S.7-12	Aux. 451	M825-4	
				C-1	Cont. 451	M825-4	LM
1PT-937	Containment NR Pressure	1	N/A	V-12	Aux. 451	M825-4	
				B-2	Cont. 426	M824-4	LM
• 1PT-PC004	Containment WR Pressure	1	II.F.1	S.7-12	Aux. 426	M831-10	
				C-1	Cont. 426	M824-4	LM
• 1PT-PC005	Containment WR Pressure	1	II.F.1	V-12	Aux. 426	M824-4	
				B-2	Cont. 451	M825-4	LM
• 1PT-514	Steamline Pressure	1	N/A	S.7-12	Aux. 451	M825-4	
				R13 & 7	377-Piping	M833-1	LM
					Tunnel SE		
• 1PT-515	Steamline Pressure	1	N/A	R13 & 7	377-Piping	M833-1	LM
					Tunnel SE		
					Area		
• 1PT-516	Steamline Pressure	1	N/A	R-13	377-Piping	M833-1	1PL79JB
					Tunnel SE		
					Area		
• 1PT-524	Steamline Pressure	1	N/A	R20 & 7	377-Piping	M833-2	LM
					Tunnel SW		
					Area		
• 1PT-525	Steamline Pressure	1	N/A	R20	377-Piping	M833-2	1PL77JC
					Tunnel SW		
					Area		

PAM INSTRUMENTS

<u>Instrument No.</u>	<u>Service</u>	<u>R.G. 1.97 Cat.</u>	<u>NUREG-0737 Act. Item</u>	<u>COL-ROW</u>	<u>EL.</u>	<u>Instr. Loc. Dwg.</u>	<u>Instr. Location</u>
• 1PT-526	Steamline Pressure	1	N/A	R20&7	377-Piping Tunnel SW Area	M833-2	LM
• 1PT-534	Steamline Pressure	1	N/A	R20&7	377-Piping Tunnel SW Area	M833-2	LM
• 1PT-535	Steamline Pressure	1	N/A	R20	377-Piping Tunnel SW Area	M833-2	1PL77JC
• 1PT-536	Steamline Pressure	1	N/A	R20&7	377-Piping Tunnel SW Area	M833-2	LM
• 1PT-544	Steamline Pressure	1	N/A	R13&7	377-Piping Tunnel SE Area	M833-1	LM
• 1PT-545	Steamline Pressure	1	N/A	R13&7	377-Piping Tunnel SE Area	M833-1	LM
• 1PT-546	Steamline Pressure	1	N/A	R-13	377-Piping Tunnel SE Area	M833-1	1PL79JB
• 1LT-930	RWST Level	1	N/A	Below RWST @21 Line	379'6"-RFLG WTR. Pipe Tunnel	M835-3	LM
• 1LT-931	RWST Level	1	N/A	BB-13	379'6"-RFLG WTR. Pipe Tunnel	M835-3	LM
• 1LT-932	RWST Level	1	N/A	BB-13	379'6"-RFLG WTR. Pipe Tunnel	M835-3	LM
• 1LT-933	RWST Level	1	N/A	AA-13	379'6"-RFLG WTR. Pipe Tunnel	M835-3	LM
• 1LT-PC006	Containment Level	1	II.F.1	C-9	Cont. 377	M821-1	LM
• 1LT-PC007	Containment Level	1	II.F.1	C-9	Cont. 377	M821-1	LM
• 1FT-AF011	Auxiliary Feedwater Flow	1	II.E.1.2.	P-13	Aux. 364	M828-9	1PL84JA

PAM INSTRUMENTS

<u>Instrument No.</u>	<u>Service</u>	<u>R.G. 1.97</u> <u>Cat.</u>	<u>NUREG-0737</u> <u>Act. Item</u>	<u>COL-ROW</u>	<u>EL.</u>	<u>Instr.</u> <u>Loc. Dwg.</u>	<u>Instr.</u> <u>Location</u>
.1FT-AF012	Auxiliary Feedwater Flow	1	II.E.1.2	N-12	Aux. 364	M828-9	1PL84JB
.1FT-AF013	Auxiliary Feedwater Flow	1	II.E.1.2	P-13	Aux. 364	M828-9	1PL84JA
.1FT-AF014	Auxiliary Feedwater Flow	1	II.E.1.2	N-12	Aux. 364	M828-9	1PL84JB
.1FT-AF015	Auxiliary Feedwater Flow	1	II.E.1.2	P-13	Aux. 364	M828-9	1PL84JA
.1FT-AF016	Auxiliary Feedwater Flow	1	II.E.1.2	N-12	Aux. 364	M828-9	1PL84JB
.1FT-AF017	Auxiliary Feedwater Flow	1	II.E.1.2	P-13	Aux. 364	M828-9	1PL84JA
.1FT-AF018	Auxiliary Feedwater Flow	1	II.E.1.2	N-12	Aux. 364	M828-9	1PL84JB
1RE-AR020	Containment High Range Radiation	1	II.E.1.2	N-12	Aux. 364	M828-9	1PL84JB
1RE-AR021	Containment High Range Radiation	1	II.F.1.	F-1	Cont. 451	M825-3	LM
TE01-TE-65	Core Exit Temperature	1	II.F.1.	G-11	Cont. 451	M825-2	LM
JJ0 (TE's In RX Vessel, Ref. Junction Boxes in Containment		1	II.F.2.	-	Cont.	-	-
1LS-CS046A	Spray Additive Tank Level	1	II.F.2.	-	Cont.	-	-
1LS-CS046B	Spray Additive Tank Level	1	N/A	U-13	Aux. 364	M828-10	LM
1RE-AR022A	Secondary System Radiation	1	N/A	S-12	Aux. 364	M828-10	LM
1RE-AR022B	Secondary System Radiation	1	II.F.1.	Stm.	Aux. Bldg. 385'4"	M833-1	LM
1RE-AR022C	Secondary System Radiation	1	II.F.1.	Tun.	Aux. Bldg. 385'4"	M833-2	LM
1RE-AR022D	Secondary System Radiation	1	II.F.1.	Stm.	Aux. Bldg. 385'4"	M833-2	LM
1RE-AR023A	Secondary System Radiation	1	II.F.1.	Tun.	Aux. Bldg. 385'4"	M833-1	LM
1RE-AR023B	Secondary System Radiation	1	II.F.1.	Stm.	Aux. Bldg. 385'4"	M833-1	LM
1RE-AR023C	Secondary System Radiation	1	II.F.1.	Tun.	Aux. Bldg. 385'4"	M833-2	LM
1RE-AR023D	Secondary System Radiation	1	II.F.1.	Stm.	Aux. Bldg. 385'4"	M833-2	LM
Later	Neutron Flux			Tun.	Aux. Bldg. 385'4"	M833-1	LM
Later	Neutron Flux						

(Currently in Containment
Procurement for 1st Refuel
Outage Installation)

R.G. 1.97, Rev. 3 & NUREG-0737

PAM INSTRUMENTS

<u>Instrument No.</u>	<u>Service</u>	<u>R.G. 1.97</u> <u>Cat.</u>	<u>NUREG-0737</u> <u>Act. Item</u>	<u>COL-ROW</u>	<u>EL.</u>	<u>Instr.</u> <u>Loc. Dwg.</u>	<u>Instr.</u> <u>Location</u>
Limit Switches	Containment Isolation Valves Positions (For Valve tag's reference FSAR Table 6.2-58)	1	N/A	Mounted on Valves			
M11 1LE-RC019	Reactor Vessel Level	1	N/A	In RX	Cont.	-	LM
1LE-RC020	Reactor Vessel Level	2	II.F.2	Vessel			
1PS43J/1PS47J	Containment Hydrogen Concentration	2	II.F.2	In RX	Cont.	-	LM
1PS44J/1PS48J	Containment Hydrogen Concentration	1	II.F.1	Vessel			
1RE-AR024A	Auxiliary Building Area Radiation	1	II.F.1	Approx.			
1RE-AR024B	Auxiliary Building Area Radiation	1	II.F.1	S-17	Aux. 401	M830-5	LM
1RE-025A	Auxiliary Building Area Radiation	2	N/A	Approx.			
1RE-025B	Auxiliary Building Area Radiation	2	N/A	S-17/U-18	Aux. 401	M830-5	LM
1RE-AR026A	Auxiliary Building Area Radiation	2	N/A	Stm.	Aux. 381'	M833-1	LM
1RE-AR026B	Auxiliary Building Area Radiation	2	N/A	Tun.			
1RE-AR027A	Auxiliary Building Area Radiation	2	N/A	Stm.	Aux. 381'	M833-2	LM
1RE-AR027B	Auxiliary Building Area Radiation	2	N/A	Tun.			
1PR29J/1PR30J	Gaseous Effluent Radioactivity	2	N/A	Approx.			
2PR29J/2PR30J	Gaseous Effluent Radioactivity	2	N/A	X-13	Aux. 369'6"	M828-12	LM
Limit Switches	Pressurizer PORV's Position	2	N/A	Approx.			
Limit Switches	Pressurizer Safety Relief Positions	2	N/A	U-13	Aux. 369'6"	M828-11	LM
		2	N/A	Approx.			
		2	N/A	X-13	Aux. 383'0"	M829-1	LM
		2	N/A	Approx.			
		2	N/A	V-13	Aux. 383'0"	M829-2	LM
		2	N/A	Approx.			
		2	N/A	Y-13	Aux. 401'0"	M830-1	LM
		2	N/A	Approx.			
		2	II.F.1	V-13	Aux. 401'0"	M830-2	LM
		2	II.F.1	Between L&M on			
		2	II.F.1	17	Aux. 477'	M832-34	LM
		2	II.D.3	M-17/			
		2	II.D.3	N-17	Aux. 477'	M832-34	LM
		2	II.D.3	Mounted on Valves			
		2	II.D.3	Mounted on Valves			

PAM INSTRUMENTS

<u>Instrument No.</u>	<u>Service</u>	<u>R.G. 1.97 Cat.</u>	<u>NUREG-0737 Act. Item</u>	<u>COL-ROW</u>	<u>EL.</u>	<u>Instr. Loc. Dwg.</u>	<u>Instr. Location</u>
. Limit Switches	ESW Supply to AF Valve Position	1	N/A	Mounted on Valves		-	-
. 1FT-CS011	Containment Spray Flow	2	N/A	V-15	Aux. 346	M827-7	1PL81JA
. 1FT-CS012	Containment Spray Flow	2	N/A	W-15	Aux. 346	M827-7	1PL81JB
Breaker Relay	RCFC Hi/Lo Bkr Status	2	N/A	-	-	-	At Bkr
. 1EI-AP054	ESF Bus Voltages	2	N/A	-	Aux. 451	Main Control Room	1PM01J
. 1EI-AP086	ESF Bus Voltages	2	N/A	-	Aux. 451	Main Control Room	1PM01J
. 1LT-PC002	Containment Floor Drain Samp Level	N/A	II.F.1	B-6	Cont. 377	M821-1	LM
. 1LT-PC003	Containment Floor Drain Samp Level	N/A	II.F.1	B-7	Cont. 377	M821-1	LM

R.G. 1.97, Rev. 3 and NUREG-0737
Pam Instruments

<u>Instrument No.</u>	<u>Service</u>	<u>R.G. 1.97 Cat.</u>
1,2 LT-950	Accumulator Tank Level	3
951		
952		
953		
954		
955		
956		
957		
1,2 FT-512	Steam Line Flow	3
513		
522		
523		
532		
533		
542		
543		

R.G. 1.97, Rev. 3 and NUREG-0737
Pam Instruments

<u>Instrument No.</u>	<u>Service</u>	<u>R.G. 1.97 Cat.</u>
1,2 PT-960		
961	Accumulator Tank Pressure	3
962		
963		
964		
965		
966		
967		
1,2 TE-VP030	Containment Temperature	3
VP031		
VP032		
VP033		

NRC Request 3

With regard to your December 6, 1983 submittal, Section 3.11.3.4, confirm that all equipment replacement and testing commitments have been fulfilled or justify interim operation.

Response 3

With the exception of some instruments, and Limitorque motor operators that are covered by Interim Justifications for Operations, all unqualified equipment has been replaced with qualified units.

NRC Request 4

The staff evaluation of RESAR for equipment qualification contained an open item regarding the one hour time margin. This must be resolved for your NSSS equipment. Confirm that you have used the same criteria as was used for the balance-of-plant equipment, or provide justification for your position.

Response 4

The response to this question stands as noted in response to Question 270.4 dated May 1983, (attached). Additionally Table I provides a summary of the ESF actuating signals and the times of actuation following design basis accidents.

Table I

High Energy Line Rupture

<u>FSAR Section</u>	<u>Accident</u>	<u>ESF Actuating Signal</u>	<u>Time of Actuation</u>
15.2.8	Feedwater System Pipe Break	Low-low SG Level	27 Seconds
15.1.5	Steam System Piping Failure	Low SL Pressure	2 Seconds
15.6.5	Large Break LOCA	Low Pressurizer Pressure	2 Seconds
15.6.5	Small Break LOCA	Low Pressurizer Pressure	31 Seconds

QUESTION 270.4

"For equipment qualified with less than a one hour margin, discuss the approach utilized to justify this deviation and provide one example for a specific item of equipment."

RESPONSE

Section 3.8.2 of the EEQR will be revised as follows to resolve the question of demonstrating a margin of one hour in operating time. The data necessary to support a margin of at least one hour will be part of the equipment qualification file.

3.8.2 Margin Included in Operating Time

The operability requirements for each piece of Class 1E equipment is the length of time the equipment is required to remain functional during accident mitigation. A margin of at least one hour of the equipment operating time has been included in the qualification program for each piece of applicable Class 1E equipment.

Some equipment, e.g., transmitters, was not specified to maintain trip function accuracy requirements for longer than five minutes post-accident. However, peak HELB temperatures will be reached within the specified operability time. The operability time was conservatively established based on the reactor trip engineered safeguards function performed by each equipment item considering what consequences failure of the device would have on the operator and the mitigation of the event. Margins for trip function requirements are contained in the HELB envelopes which encompass a full spectrum of break sizes and are also justified by the fact that the signal generated by the sensor is "locked-in" by the protection system and will not reset should the sensor fail after the designated trip time requirement. Most of the equipment was also specified and qualified for much longer post-accident monitoring function times to slightly reduce accuracy requirements.

NRC Request 5

Your December 6, 1983, Section 3.11.4.1.2, provided a status of various equipment. Update your status of that equipment.

Response 5

Attached is Appendix B as noted in question 3.11.4 Responses for each item are provided on the list.

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Appendix B
 Equipment Requiring Additional Information
 (Section 3.11.4)

<u>Component</u>	<u>Manufacturer</u>	<u>Model No.</u>	<u>Qualification Status</u>
Valve Operator	Limitorque	SMB Series	Completed
Hydraulic Valve Operator	Borg-Warner	38971	Completed
Hydraulic Valve Operator (MS Atmospheric Relief Valves)	Borg-Warner	-	JIO
Hydraulic Valve Operator	Borg-Warner	85460	Not Used (Disconnected)
Junction Box	Borg-Warner	-	Completed
Junction Box	Westinghouse	W/L-23686	Completed
HVAC Control Panel	Johnson Controls	-	Completed
Radiation Detector	General Atomics	RD-23	Completed
Flow Indicating Switch	Barton	288A	JIO
*Hand Switch	Westinghouse	OT2	<u>Completed</u>
Pressure Switch	United Electric	J-302-S164	JIO
Level Transmitter	Barton	764,763	Completed
Pressure Transmitter	Veritrak	76PH2	Completed

*Void JIO on OT-2 switches.

(Continued)
 Appendix B
 Equipment Requiring Additional Information
 (Section 3.11.4)

<u>Component</u>	<u>Manufacturer</u>	<u>Model No.</u>	<u>Qualification Status</u>
RTD	RDF	21204	Completed
Pressure Transmitter	Barton (Bellows)	351/764	Completed
Flow Controller	Love	54-8187-8115	Mild Environment
Flow Transmitter	Hays	8174 252A	Not Used
Differential Pressure Relay	Moore Industries	ADM	Mild Environment
Position Light	Westinghouse	EZC	Completed
Temperature Switch	United Electric	C303D-103	Completed
Current Relay Signal	Masoneilan	8005A	Completed
Converter Flow Transm.	Rosemount	1153B	Completed
Limit Switch (I/C)	Nanco	EA-180	Completed
Positioner	ITT	NH-90, 91	Completed
Switchboard Wire	Rockbestos	Firewall SIS	Completed
Hydraulic Valve Operator	Anchor/Darling	-	Completed
Terminal Block	Marathon	1600 Series	Completed

NRC Request 6

Provide a copy of the revised and updated Equipment Environmental Qualification Report.

Response 6

The report has not changed. Equipment listings and related data sheets have been updated. The volume of the data sheets has been reduced by correlating one data sheet for all common components instead of devoting one data sheet per component. The September 1, 1984 data sheets are enclosed.

NRC Request 7

Submit surveillance requirements for the Conax penetrations.

Response 7

Attached is the current check sheet, BOP-199-A37, Revision No. 1. This checksheet or a similar one will be utilized on a daily basis to verify penetration pressures during unit operation. A leak rate test procedure is also being developed to verify penetration integrity. The current draft of that procedure, BVS6.1.1.C-1 is attached. It is only a draft document but is submitted to demonstrate that a formal document will be implemented when required.

In addition to these specific procedures the following other systems and procedures indirectly check electrical penetration integrity:

a) Instrument Surveillance

This is an active computerized program which allows scheduling surveillance/loop checks on safety grade equipment by virtue of calibrating the loop all components within the loop are calibrated. This is an FSAR/Tech Spec Requirement.

b) Protective Fusing, Relaying and Overloads

Conductor integrity in the electrical penetrations is verified by current leakage. Current leakage that would be detrimental to components attached to electrical penetration conductors will be detected by instrument loop checks, differential relaying, protective fusing, and overloads within motor control centers.

c) Trend Analysis Computer Program

Problems with electrical penetrations will be detected through a preventive maintenance program. Presently under development by Computer Systems this program will review maintenance on qualified equipment about every eighteen months. Significant problems will be identified and resolved.

DATE: _____

FOR INFORMATION ONLY

EQUIPMENT DESCRIPTION	SHIFT ONE		SHIFT TWO		SHIFT THREE		MIN	MAX
	EAST	WEST	EAST	WEST	EAST	WEST		
CC SURGE TANK - 426								
TANK LEVEL							35%	65%
CV HT PNL 4JB/ALL CH LITES							GRN	---
CNMT INSP/ALL AREAS - OMB							OK	---
PRIM CNMT HVAC SYS - 426							OK	---
CRDM AIR INLET TEMP							---	---
A CRDM EXH FAN TEMP							---	---
B CRDM EXH FAN TEMP							---	---
C CRDM EXH FAN TEMP							---	---
D CRDM EXH FAN TEMP							---	---
CNMT PURGE HVAC SYSTEM-426							OK	---
MINI-PURGE SUP FLOW X 100							25	35
MINI-PURGE EXH FLOW X 100							25	35
PURGE SUP FLOW X 1000							35	45
PURGE EXH FLOW X 1000							35	45
NT ZONE B PRES FOR 426							2#	40#
NT ZONE B FLOW CC/MIN							---	13
NT ZONE D PRES FOR 426							2#	40#
NT ZONE D FLOW CC/MIN							---	13
ALL ELEC PENE/NE + SE(PSIA)	-----		-----				>17#	---
VERIFY BRKR DE-ENERGIZED	-----		MCC		LOCATION		MIN	MAX
SI8802B ***			132X4A/L2		426/S-13		OFF	---
SI8813 ***			132X4A/L3		426/S-13		OFF	---
SI8809B ***			132X4A/M1		426/S-13		OFF	---
SI8808C ***			132X2A/A2		426/S-11		OFF	---
SI8808B ***			132X2A/A3		426/S-11		OFF	---
SHIFT ONE NOTES	SHIFT TWO NOTES				SHIFT THREE NOTES			

APPROVED

DEC 18 1963

TYPE B LEAKRATE TESTING OF
PENETRATIONS OPENED SUBSEQUENT TO
A TYPE A OR B LEAKRATE TEST

A. STATEMENT OF APPLICABILITY:

The purpose of this procedure is to perform a Type B leak rate test on applicable penetrations if opened subsequent to a Type A or B test. This is done by pressurizing the seal with a gas at a pressure not less than Pa, 43.6 psig, and verifying that when the measured leakage rate for these seals is added to the leakage rates determined pursuant to specification 4.6.1.2.d for all other type B and C penetrations, the combined leakage rate is less than 0.60 L_a.

B. REFERENCES:

1. Technical Specification

4.6.1.1.c

2. Manufacturers Instruction Manuals

Conax Electrical Penetrations - Conax Corp., F-191

Fuel Transfer System Technical Manual, Westinghouse Electrical Corp.
F-138

3. Structural Drawings

S-844 Fuel Transfer Tube Sleeve Detail

4. Other References

10CFR50, Appendix J

ANSI N45.4-1972

IEEE Std-317, 1976

C. PREREQUISITES:

1. Verify the plant status is such that this surveillance may be performed by obtaining written permission from the Shift Engineer or his designated SRO license assistant on the Data Package Cover Sheet.

2. The following test equipment should be available for the Type B & C tests:

a. Flowmeter Local Leakage Rate Test Rig (Calibration Verification is performed in each section.)
(See Attachment A)

b. Thermometry Equipment

For Information Only

- c. Nitrogen Bottle
- d. Pneumatic Pressure Hose
- e. Poly Flo Tubing
- f. Snoop
- g. Teflon
- h. Adapters for test rig to test volume
- i. Stop Watch (1-24) Serial # _____ Accy Ck Due _____

D. PRECAUTIONS:

- 1. Care should be exercised when venting or opening systems. Some systems may already be pressurized prior to testing, so caution should be exercised when preparing a system for testing.
- 2. Do Not use combustible gases for testing.
- 3. Do Not use ignition sources such as candles for leak testing.

E. LIMITATIONS AND ACTIONS:

If Acceptance Criteria is not met, immediately notify the Shift Engineer. The Shift Engineer shall determine operability status and implement LCOAR BOS 6.1.1a-1a as appropriate. Have the Shift Engineer complete the Summary of Results section on the Data Package Cover Sheet.

F. MAIN BODY:

The following procedure consists of 6 independent sections. Only perform the applicable sections. Place an "X" in the blank provided next to the sections that are to be performed and place "NA" next to the sections that need not be performed.

- Zone 1 _____
- Zone 2 _____
- Zone 3 _____
- Zone 4 _____
- FTT _____
- Equip. Dr. Gastal _____

* NOTE *
* If it is determined that the leakage rate cannot *
* be measured accurately using the Flowmeter Test *
* Rig the following statements apply. Upon reaching *
* the step for the penetration or valve which begins *
* with words "Record the leakage rate", the alternate *
* Pressure Decay method as specified in Attachment C *
* may be used. An entry should be made on Attachment *
* E recording 1) the reason for using the alternate *
* method, and 2) the procedure step exited upon. *
* When the alternate method has been completed the *
* procedure should be re-entered at the next step. *

Type B Tests

1. Zone 1 Electrical Penetration Local Leakage Rate Test (E15-E28)

* NOTE *
* Zone 1 Electrical Penetrations are located @ 420' *
* level -R8 Containment Wall. For additional *
* information see Attachment B. *

1.1 Record the Test Rig Calibration Data

Flowmeter Type _____ Accuracy + _____ SCFH
Serial # _____ Cal Date _____ Cal Due Date _____ / _____

Flowmeter Type _____ Accuracy + _____ SCFH
Serial # _____ Cal Date _____ Cal Due Date _____ / _____

Pressure Gauge (0-60 PSIG)
Serial # _____ Cal Date _____ Cal Due Date _____ / _____

Thermometry Equipment
Serial #'s _____ Cal Date _____ Cal Due Date _____ / _____

1.2 Verify the Shift Engineer has been notified of the testing to take place on the Zone 1 electrical penetrations. _____ / _____

* NOTE *
* *
* The following steps are preparing the Zone 1 *
* electrical penetrations for testing. *

1.3 VERIFY/CLOSE the black handle isolation valve located on each Electrical Penetration Module for Zone 1 penetrations. _____/_____

1.4 VERIFY/CLOSE the integration valve on the face of each Electrical Penetration Module for Zone 1 penetrations. _____/_____

1.5 VERIFY/CLOSE the following valves for the Zone 1 Electrical Penetration Nitrogen Supply Hdr:

- INTO41A _____/_____
- INTO15A _____/_____
- INTO39A _____/_____
- INTO39E _____/_____
- INTO13A _____/_____
- INTO06A _____/_____
- INTO38A _____/_____
- INTO40A _____/_____
- INTO01A _____/_____

1.6 VERIFY Zone 1 Relief Valve INTO14A is installed. _____/_____

1.7 VERIFY Zone 1 Rupture Disc INTO1MA or a pipe cap is installed on pipeline INTO7AA 1/2". _____/_____

1.8 REMOVE the threaded pipe cap on the Zone 1 pressure test connection pipeline downstream of INTO15A. _____/_____

1.9 Attach the Flowmeter Test Rig and adapter to pipeline downstream of INTO15A. _____/_____

1.10 VERIFY/CLOSE INTO24A. _____/_____

1.11 VERIFY/REMOVE the spare electrical penetration fill connection pipe cap downstream of valve INTO24A. _____/_____

1.12 VERIFY/OPEN the following valves are OPEN for the Zone 1
Electrical Penetration-Nitrogen Supply Hdr:

- INTO16A _____/_____
- INTO17A _____/_____
- INTO18A _____/_____
- INTO19A _____/_____
- INTO20A _____/_____
- INTO21A _____/_____
- INTO22A _____/_____
- INTO23A _____/_____
- INTO25A _____/_____
- INTO26A _____/_____
- INTO27A _____/_____
- INTO28A _____/_____
- INTO07A _____/_____
- INTO15A _____/_____

* NOTE *
* *
* Use N₂ for gas supply in the next step. *

- 1.13 Line up the Flowmeter Test Rig per the Pressurization Procedure
of Attachment A. _____/_____
- 1.14 Throttle OPEN INTO24A to purge the N₂ Supply Header. _____/_____
- 1.15 CLOSE valve INTO24A after at least 1 minute of purging. _____/_____
- 1.16 REPLACE the pipe cap on the spare electrical penetration fill
connection downstream of valve INTO24A. _____/_____
- 1.17 ALIGN a flowmeter to the test volume. _____/_____
- 1.18 RECORD the leakage rate and other required data below for the
Zone 1 Electrical Penetration N₂ Supply Header (Up to black
handle isolation valves) after monitoring flowmeter for at least
5 minutes.

Flowmeter type used _____/_____
Leakage Rate indicated on the
Flowmeter _____ SCFH (1 SCFH max.) _____/_____
Pressure _____ psig _____/_____
Temperature _____ °F _____/_____

- 1.19 ALIGN valve C to the Flowmeter Bypass Line. _____/_____

* NOTE *
* *
* Electrical Penetration E-26 is a spare and the *
* nitrogen supply line leading to it is capped. *

1.20 OPEN the black handle isolation valves which are mounted directly below the individual electrical penetration pressure gauge for these Zone 1 Electrical penetrations and pressurize them to approximately 45 psig:

- Penetration E-15, Equip. No. 1VP03E
- Penetration E-16, Equip. No. 1RY04E
- Penetration E-17, Equip. No. 1RY07E
- Penetration E-18, Equip. No. 1LV02E
- Penetration E-19, Equip. No. 1AP85ED
- Penetration E-20, Equip. No. 1RC04E
- Penetration E-21, Equip. No. 1AP84EB
- Penetration E-22, Equip. No. 1NR01E
- Penetration E-23, Equip. No. 1IC19E
- Penetration E-24, Equip. No. 1SI05E
- Penetration E-25, Equip. No. 1LV07E
- Penetration E-27, Equip. No. 1LV09E
- Penetration E-28, Equip. No. 1AP84EC

1.21 OPEN the integration valve on the face of the penetrations by turning the narrower hex nut counter-clockwise approximately 1/2 to 1 full turn. Do not remove the valve from its port, but the valve should be verified to be free to turn with fingers for each of the following penetrations:

1.22

- Penetration E-15, Equip. No. 1VP03E
- Penetration E-16, Equip. No. 1RY04E
- Penetration E-17, Equip. No. 1RY07E
- Penetration E-18, Equip. No. 1LV02E
- Penetration E-19, Equip. No. 1AP85ED
- Penetration E-20, Equip. No. 1RC04E
- Penetration E-21, Equip. No. 1AP84EB
- Penetration E-22, Equip. No. 1NR01E
- Penetration E-23, Equip. No. 1IC19E
- Penetration E-24, Equip. No. 1SI05E
- Penetration E-25, Equip. No. 1LV07E
- Penetration E-27, Equip. No. 1LV09E
- Penetration E-28, Equip. No. 1AP84EC

1.23 ALIGN a Flowmeter to the test volume.

1.24 RECORD the leakage rate for Zone 1 and other required data after monitoring the flowmeter at least 15 minutes.

Flowmeter Type Used _____
Leakage Rate as Indicated on the Flowmeter _____ SCFH
Pressure _____ psig
Temperature _____ °F

* NOTE *
* *
* If a relatively high leakage rate is detected, the *
* test connections and the Flowmeter Test Rig should *
* be snooped for leaks first. The leakage for all *
* the Zone 1 Electrical Penetration Modules should *
* be less than 1.5 SCFH *

1.25 CLOSE the black handle isolation valves located directly below the individual electrical penetration pressure gauges for these Zone 1 Electrical penetrations:

Penetration E-15, Equip. No. 1VP03E _____
Penetration E-16, Equip. No. 1RY04E _____
Penetration E-17, Equip. No. 1RY07E _____
Penetration E-18, Equip. No. 1LV02E _____
Penetration E-19, Equip. No. 1AP85ED _____
Penetration E-20, Equip. No. 1RC04E _____
Penetration E-21, Equip. No. 1AP84EB _____
Penetration E-22, Equip. No. 1NR01E _____
Penetration E-23, Equip. No. 1IC19E _____
Penetration E-24, Equip. No. 1SI05E _____
Penetration E-25, Equip. No. 1LV07E _____
Penetration E-27, Equip. No. 1LV09E _____
Penetration E-28, Equip. No. 1AP84EC _____

1.26 Use the Depressurization Procedure of Attachment A. _____

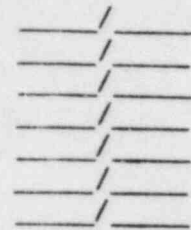
1.27 REMOVE the Flowmeter Test Rig and adapter from the pipe. _____

1.28 CLOSE Pressure Test Connection Isolation Valve INTO15A. _____

1.29 CAP the pipe downstream of valve INTO15A. _____

1.30 OPEN the following valves:

- INTO41A
- INTO39A
- INTO39E
- INTO06A
- INTO38A
- INTO40A
- INTO01A



Type B Tests

2 Zone 2 Electrical Penetration Local Leakage Rate Test (E-1 - E14)

 * NOTE *
 * Zone 2 Electrical Penetrations are located @ 435' *
 * level, R8 Containment Wall. For additional *
 * information see Attachment B. *

2.1 RECORD the Test Rig Calibration Data on Data Sheet 11-2.

Flowmeter Type _____ Accuracy \pm _____ SCFH _____/_____
 Serial # _____ Cal Date _____ Cal Due Date _____/_____
 Flowmeter Type _____ Accuracy \pm _____ SCFH _____/_____
 Serial # _____ Cal Date _____ Cal Due Date _____/_____
 Pressure Gauge (0-60 PSIG)
 Serial # _____ Cal Date _____ Cal Due Date _____/_____
 Thermometry Equipment
 Serial #'s _____ Cal Date _____ Cal Due Date _____/_____

2.2 VERIFY the Shift Engineer has been notified of the testing to take place on the Zone 2 electrical penetrations. _____/_____

 * NOTE *
 * The following steps are preparing the Zone 2 *
 * electrical penetrations for testing. *

2.3 VERIFY/CLOSE the black handle isolation valve located on each Electrical Penetration Module for Zone 2 penetrations. _____/_____

2.4 VERIFY/CLOSE the integration valve on the face of each Electrical Penetration Module for Zone 2 penetrations. _____/_____

2.5 VERIFY/CLOSED the following valves for the Zone 2 Electrical Penetration Nitrogen Supply Hdr:

- INTO41B
- INTO15B
- INTO39B
- INTO39F
- INTO13B
- INTO06B
- INTO38B
- INTO40B
- INTO01B

2.6 VERIFY Zone 2 Relief Valve INTO14B is installed.

2.7 VERIFY Zone 2 Rupture Disc INTO1MB or a pipe cap is installed on pipeline INTO7AB 1/2".

2.8 REMOVE the threaded pipe cap on the Zone 2 pressure test connection pipeline downstream of INTO15B.

2.9 ATTACH the Flowmeter Test Rig and adapter to pipeline downstream of INTO15B.

2.10 VERIFY/CLOSE INTO16B is CLOSED.

2.11 DISASSEMBLE the compression fitting of the pipeline immediately downstream of valve INTO16B.

2.12 VERIFY/OPEN the following valves for the Zone 2 Electrical Penetration Nitrogen Supply Hdr:

- INTO17B
- INTO18B
- INTO19B
- INTO20B
- INTO21B
- INTO22B
- INTO23B
- INTO24B
- INTO25B
- INTO26B
- INTO27B
- INTO28B
- INTO07B
- INTO15B

* NOTE *
* Use N₂ for gas supply in the next step. *

- 2.13 LINE UP the Flowmeter Test Rig per the Pressurization Procedure of Attachment A.
- 2.14 Throttle OPEN INTO16B to purge the N₂ Supply Header.
- 2.15 CLOSE INTO16B after at least 1 minute of purging.
- 2.16 REASSEMBLE the compression pipe fitting downstream of INTO16B.
- 2.17 OPEN INTO16B.
- 2.18 ALIGN a flowmeter to the test volume.
- 2.19 RECORD the leakage rate and other required data below for the Zone 2 Electrical Penetration N₂ Supply Header (Up to black handle isolation valves) after monitoring flowmeter for at least 5 minutes.

Flow meter type used _____

Leakage Rate indicated on the _____

Flowmeter _____ SCFH (1 SCFH max.)

Pressure _____ psig

Temperature _____ °F

- 2.20 ALIGN valve C to the Flowmeter Bypass Line.
- 2.21 OPEN the black handle isolation valves which are mounted directly below the individual electrical penetration pressure gauge for these Zone 2 Electrical penetrations and pressurize them to approximately 45 psig:

Penetration E-01, Equip. No. 1RC03E	<input type="checkbox"/>
Penetration E-02, Equip. No. 1AP84EA	<input type="checkbox"/>
Penetration E-03, Equip. No. 1LV10E	<input type="checkbox"/>
Penetration E-04, Equip. No. 1VPO4E	<input type="checkbox"/>
Penetration E-05, Equip. No. 1LV04E	<input type="checkbox"/>
Penetration E-06, Equip. No. 1LV03E	<input type="checkbox"/>
Penetration E-07, Equip. No. 1SIO8E	<input type="checkbox"/>
Penetration E-08, Equip. No. 1AP85EC	<input type="checkbox"/>
Penetration E-09, Equip. No. 1RY06E	<input type="checkbox"/>
Penetration E-10, Equip. No. 1RY05E	<input type="checkbox"/>
Penetration E-11, Equip. No. 1SIO2E	<input type="checkbox"/>
Penetration E-12, Equip. No. 1SIO4E	<input type="checkbox"/>
Penetration E-13, Equip. No. 1LV06E	<input type="checkbox"/>
Penetration E-14, Equip. No. 1NR04E	<input type="checkbox"/>

* NOTE *
* *
* There are no spare electrical penetrations in Zone 2.*

2.22 OPEN the integration valve on the face of the penetrations by turning the narrower hex nut counter- clockwise approximately 1/2 to 1 full turn. Do not remove the valve from its port, but the valve should be verified to be free to turn with fingers for each of the following penetrations:

- Penetration E-01, Equip. No. 1RC03E _____/_____
- Penetration E-02, Equip. No. 1AP84EA _____/_____
- Penetration E-03, Equip. No. 1LV10E _____/_____
- Penetration E-04, Equip. No. 1VPO4E _____/_____
- Penetration E-05, Equip. No. 1LV04E _____/_____
- Penetration E-06, Equip. No. 1LV03E _____/_____
- Penetration E-07, Equip. No. 1SI08E _____/_____
- Penetration E-08, Equip. No. 1AP85EC _____/_____
- Penetration E-09, Equip. No. 1RY06E _____/_____
- Penetration E-10, Equip. No. 1RY05E _____/_____
- Penetration E-11, Equip. No. 1SI02E _____/_____
- Penetration E-12, Equip. No. 1SI04E _____/_____
- Penetration E-13, Equip. No. 1LV06E _____/_____
- Penetration E-14, Equip. No. 1NR04E _____/_____

2.23 ALIGN a flowmeter to the test volume. _____/_____

2.24 RECORD the leakage rate for Zone 2 and other required data after monitoring the flowmeter at least 15 minutes.

Flow meter type used _____/_____

Leakage Rate indicated on the Flowmeter _____ SCFH _____/_____

Pressure _____ psig _____/_____

Temperature _____ °F _____/_____

* NOTE *
* *
* The leakage for all Zone 2 Electrical *
* Penetration Modules should be less than 1.5 *
* SCFH. *

2.25 CLOSE the isolation valves located directly below the individual electrical penetration pressure gauges for these Zone 2 Electrical penetrations:

- Penetration E-01, Equip. No. 1RC03E
- Penetration E-02, Equip. No. 1AP84EA
- Penetration E-03, Equip. No. 1LV10E
- Penetration E-04, Equip. No. 1VP04E
- Penetration E-05, Equip. No. 1LV04E
- Penetration E-06, Equip. No. 1LV03E
- Penetration E-07, Equip. No. 1SI08E
- Penetration E-08, Equip. No. 1AP85EC
- Penetration E-09, Equip. No. 1RY06E
- Penetration E-10, Equip. No. 1RY05E
- Penetration E-11, Equip. No. 1SI02E
- Penetration E-12, Equip. No. 1SI04E
- Penetration E-13, Equip. No. 1LV06E
- Penetration E-14, Equip. No. 1NR04E

2.26 Use the Depressurization Procedure of Attachment A. /

2.27 REMOVE the Flowmeter Test Rig and adapter from the pipe. /

2.28 CLOSE Pressure Test Connection Isolation Valve INTO15B. /

2.29 CAP the pipe downstream of valve INTO15B. /

- 2.30 OPEN the following valves:
- INTO41B
 - INTO39B
 - INTO39F
 - INTO06B
 - INTO38B
 - INTO40B
 - INTO01B

Type B Tests

3. Zone 3 Electrical Penetration Local Leakage Rate Test (E43 - E56)

 * NOTE *
 * Zone 3 Electrical Penetrations are located @ 420' *
 * level, R11 Containment Wall. For additional *
 * information see Attachment B. *

3.1 RECORD the Test Rig Calibration Data

Flowmeter Type _____ Accuracy + _____ SCFH
Serial # _____ Cal Date _____ Cal Due Date _____ / _____

Flowmeter Type _____ Accuracy + _____ SCFH
Serial # _____ Cal Date _____ Cal Due Date _____ / _____

Pressure Gauge (0-60 PSIG)
Serial # _____ Cal Date _____ Cal Due Date _____ / _____

Thermometry Equipment
Serial #'s _____ Cal Date _____ Cal Due Date _____ / _____

3.2 VERIFY the Shift Engineer has been notified of the testing to take place on the Zone 3 electrical penetrations. _____ / _____

XX
* NOTE *
* *
* The following steps are preparing the Zone 3 *
* electrical penetrations for testing. *
XX

3.3 VERIFY/CLOSE the black handle isolation valve located on each Electrical Penetration Module for Zone 3 penetrations. _____ / _____

3.4 VERIFY/CLOSED the integration valve on the face of each Electrical Penetration Module for Zone 3 penetrations. _____ / _____

3.5 VERIFY/CLOSED the following valves for the Zone 3 Electrical Penetration Nitrogen Supply Hdr:

INT041C	_____ / _____
INT015C	_____ / _____
INT039C	_____ / _____
INT039G	_____ / _____
INT013C	_____ / _____
INT006C	_____ / _____
INT038C	_____ / _____
INT040C	_____ / _____
INT001C	_____ / _____

3.6 VERIFY Zone 3 Relief Valve INT014C is installed. _____ / _____

3.7 VERIFY Zone 3 Rupture Disc INT01MC or a pipe cap is installed on pipeline INT07AC 1/2". _____ / _____

3.8 REMOVE the threaded pipe cap on the Zone 3 pressure test connection pipeline downstream of INT015C. _____ / _____

3.9 ATTACH the Flowmeter Test Rig and adapter to pipeline downstream of INT015C. _____ / _____

3.10 VERIFY/CLOSED INT020C. _____ / _____

3.11 VERIFY/REMOVE the spare electrical penetration fill connection pipe cap downstream of valve INT020C. _____ / _____

3.12 POSITION/VERIFY the following valve positions for the Zone 3 Electrical Penetration Nitrogen Supply Hdr:

INT016C	OPEN	____/____
INT017C	OPEN	____/____
INT018C	OPEN	____/____
INT019C	OPEN	____/____
INT021C	OPEN	____/____
INT022C	CLOSED	____/____
INT023C	OPEN	____/____
INT025C	OPEN	____/____
INT026C	CLOSED	____/____
INT027C	OPEN	____/____
INT028C	CLOSED	____/____
INT007C	OPEN	____/____
INT015C	OPEN	____/____

 * NOTE *
 * *
 * Use N₂ for gas supply in the next step. *

- 3.13 LINE UP the Flowmeter Test Rig per the Pressurization Procedure of Attachment A. _____/_____
- 3.14 Throttle OPEN INT020C to purge N₂ Supply Header. _____/_____
- 3.15 CLOSE valve INT020C after at least 1 minute of purging. _____/_____
- 3.16 REPLACE the pipe cap on the spare electrical penetration fill connection downstream of INT020C. _____/_____
- 3.17 ALIGN a flowmeter to the test volume. _____/_____
- 3.18 RECORD the leakage rate and other required data below for the Zone 3 Electrical Penetration N₂ Supply Header (Up to black handle isolation valves) after monitoring flowmeter for at least 5 minutes.
- Flowmeter type used _____/_____
- Leakage Rate indicated on the Flowmeter _____ SCFH (1 SCFH max.) _____/_____
- Pressure _____ psig _____/_____
- Temperature _____ °F _____/_____
- 3.19 ALIGN valve C to the Flowmeter Bypass Line. _____/_____

3.20 OPEN the black handle isolation valves which are mounted directly below the individual electrical penetration pressure gauge for these Zone 3 Electrical penetrations and pressurize them to approximately 45 psig:

Penetration E-43, Equip. No. 1LV01E	_____ / _____
Penetration E-44, Equip. No. 1SI03E	_____ / _____
Penetration E-45, Equip. No. 1SI01E	_____ / _____
Penetration E-46, Equip. No. 1LV05E	_____ / _____
Penetration E-47, Equip. No. 1RC01E	_____ / _____
Penetration E-48, Equip. No. 1AP85EA	_____ / _____
Penetration E-49, Equip. No. 1VP01E	_____ / _____
Penetration E-50, Equip. No. 1NR03E	_____ / _____
Penetration E-51, Equip. No. 1SI07E	_____ / _____

 * NOTE *
 * *
 * Electrical Penetrations E-52 to E-56 are *
 * spares and the five nitrogen supply lines *
 * leading to them are capped. *

3.21 OPEN the integration valve on the face of the penetrations by turning the narrower hex nut counter- clockwise approximately 1/2 to 1 full turn. Do not remove the valve from its port, but the valve should be verified to be free to turn with fingers for each of the following penetrations:

Penetration E-43, Equip. No. 1LV01E	_____ / _____
Penetration E-44, Equip. No. 1SI03E	_____ / _____
Penetration E-45, Equip. No. 1SI01E	_____ / _____
Penetration E-46, Equip. No. 1LV05E	_____ / _____
Penetration E-47, Equip. No. 1RC01E	_____ / _____
Penetration E-48, Equip. No. 1AP85EA	_____ / _____
Penetration E-49, Equip. No. 1VP01E	_____ / _____
Penetration E-50, Equip. No. 1NR03E	_____ / _____
Penetration E-51, Equip. No. 1SI07E	_____ / _____

3.22 ALIGN a flowmeter to the test volume. _____ / _____

3.23 RECORD the leakage rate for Zone 3 and other required data after monitoring the flowmeter for at least 15 minutes.

Flowmeter type used _____	_____ / _____
Leakage Rate indicated on the Flowmeter _____ SCFH	_____ / _____
Pressure _____ psig	_____ / _____
Temperature _____ °F	_____ / _____

 * NOTE *
 * *
 * If a relatively high leakage rate is detected, *
 * the test connections and the Flowmeter Test *
 * Rig should be snopped for leaks first. The *
 * leakage for all Zone 3 Electrical Penetration *
 * Modules should be less than 1.5 SCFH. *

3.24 CLOSE the black handle isolation valves located directly below the individual electrical penetration pressure gauges for these Zone 3-Electrical penetrations:

Penetration E-43, Equip. No. 1LV01E	_____ / _____
Penetration E-44, Equip. No. 1SI03E	_____ / _____
Penetration E-45, Equip. No. 1SI01E	_____ / _____
Penetration E-46, Equip. No. 1LV05E	_____ / _____
Penetration E-47, Equip. No. 1RC01E	_____ / _____
Penetration E-48, Equip. No. 1AP85EA	_____ / _____
Penetration E-49, Equip. No. 1VPO1E	_____ / _____
Penetration E-50, Equip. No. 1NR03E	_____ / _____
Penetration E-51, Equip. No. 1SI07E	_____ / _____

3.25 Use the Depressurization Procedure of Attachment A.

_____ / _____

3.26 REMOVE the Flowmeter Test Rig and adapter from the pipe.

_____ / _____

3.27 CLOSE Pressure Test Connection Isolation Valve INTO15C.

_____ / _____

3.28 CAP the pipe downstream of valve INTO15C.

_____ / _____

3.29 OPEN the following valves:

INTO41C	_____ / _____
INTO39C	_____ / _____
INTO39G	_____ / _____
INTO06C	_____ / _____
INTO38C	_____ / _____
INTO40C	_____ / _____
INTO01C	_____ / _____

Type B Tests

4. Zone 4 Electrical Penetration Local Leakage Rate Test (E29 - E42)

 * Zone 4 Electrical Penetrations are located @ 435' *
 * level, R11 Containment Wall. For additional *
 * information see Attachment 14.4. *

4.1 RECORD the Test Rig Calibration Data.

Flowmeter Type _____ Accuracy + _____ SCFH
Serial # _____ Cal Date _____ Cal Due Date _____ / _____

Flowmeter Type _____ Accuracy + _____ SCFH
Serial # _____ Cal Date _____ Cal Due Date _____ / _____

Pressure Gauge (0-60 PSIG)
Serial # _____ Cal Date _____ Cal Due Date _____ / _____

Thermometry Equipment
Serial #'s _____ Cal Date _____ Cal Due Date _____ / _____

4.2 VERIFY the Shift Engineer has been notified of the testing to take place on the Zone 4 electrical penetrations. _____ / _____
The following steps are preparing the Zone 4 electrical penetrations for testing.

4.3 VERIFY/CLOSE the black handle isolation valve located on each Electrical Penetration Module for Zone 4 penetration. _____ / _____

4.4 VERIFY/CLOSE the integration valve on the face of each Electrical Penetration Module for Zone 4 penetration. _____ / _____

4.5 VERIFY/CLOSE the following valves for the Zone 4 Electrical Penetration Nitrogen Supply Hdr:

INT041D	_____ / _____
INT015D	_____ / _____
INT039D	_____ / _____
INT039H	_____ / _____
INT013D	_____ / _____
INT006D	_____ / _____
INT038D	_____ / _____
INT040D	_____ / _____
INT001D	_____ / _____

4.6 VERIFY Zone 4 Relief Valve INT014D is installed. _____ / _____

4.7 VERIFY Zone 4 Rupture Disc INT01MD or a pipe cap is installed on pipeline INT07AD 1/2". _____ / _____

4.8 REMOVE the threaded pipe cap on the Zone 4 pressure test connection pipeline downstream of INT015D. _____ / _____

4.9 ATTACH the Flowmeter Test Rig and adapter to pipeline downstream of INT015D. _____ / _____

- 4.10 CLOSE or Verify INTO27D is CLOSED. ____/____
- 4.11 VERIFY/REMOVE the spare electrical penetration fill connection pipe cap downstream of valve INTO27D. ____/____
- 4.12 POSITION/VERIFY the following valve positions for the Zone 4 Electrical Penetration Nitrogen-Supply Hdr:

INTO16D	CLOSED	____/____
INTO17D	OPEN	____/____
INTO18D	OPEN	____/____
INTO19D	CLOSED	____/____
INTO20D	OPEN	____/____
INTO21D	OPEN	____/____
INTO22D	OPEN	____/____
INTO23D	OPEN	____/____
INTO24D	OPEN	____/____
INTO25D	OPEN	____/____
INTO26D	OPEN	____/____
INTO28D	OPEN	____/____
INTO07D	OPEN	____/____
INTO15D	OPEN	____/____

 * NOTE *
 * Use N₂ for gas supply in the next step. *

- 4.13 LINE UP the Flowmeter Test Rig per the Pressurization Procedure of Attachment A. ____/____
- 4.14 Throttle OPEN INTO27D to purge the N₂ Supply Header. ____/____
- 4.15 CLOSE INTO27D after at least 1 minute of purging. ____/____
- 4.16 REPLACE the pipe cap on the spare electrical penetration fill connection downstream of INTO27D. ____/____
- 4.17 ALIGN a flowmeter to the test volume. ____/____
- 4.18 RECORD the leakage rate and other required data below for the Zone 4 Electrical Penetration N₂ Supply Header (Up to black handle isolation valves) after monitoring the flowmeter for at least 5 minutes.

Flowmeter type used _____ ____/____
 Leakage Rate indicated on the _____
 Flowmeter _____ SCFH (SCFH max.) ____/____
 Pressure _____ psig ____/____
 Temperature _____ °F ____/____

4.19 ALIGN valve C to the Flowmeter Bypass Line. _____/_____

4.20 OPEN the black handle isolation valves which are mounted directly below the individual electrical penetration pressure gauge for these Zone 4 Electrical penetrations and pressurize them to approximately 45 psig:

- Penetration E-29, Equip. No. 1LV08E _____/_____
- Penetration E-31, Equip. No. 1RD12E _____/_____
- Penetration E-32, Equip. No. 1RD13E _____/_____
- Penetration E-33, Equip. No. 1RC02E _____/_____
- Penetration E-35, Equip. No. 1SI06E _____/_____
- Penetration E-37, Equip. No. 1RD15E _____/_____
- Penetration E-38, Equip. No. 1RD16E _____/_____
- Penetration E-39, Equip. No. 1RD17E _____/_____
- Penetration E-40, Equip. No. 1VPO2E _____/_____
- Penetration E-41, Equip. No. 1AP85EB _____/_____
- Penetration E-42, Equip. No. 1NR02E _____/_____

* NOTE *
* Electrical Penetrations E-30, E-34 and E-36 *
* are spares and the three nitrogen supply lines *
* leading to them are capped. *

4.21 OPEN the integration valve on the face of the penetrations by turning the narrower hex nut counter- clockwise approximately 1/2 to 1 full turn. Do not remove the valve from its port, but the valve should be verified to be free to turn with fingers for each of the following penetrations:

- Penetration E-29, Equip. No. 1LV08E _____/_____
- Penetration E-31, Equip. No. 1RD12E _____/_____
- Penetration E-32, Equip. No. 1RD13E _____/_____
- Penetration E-33, Equip. No. 1RC02E _____/_____
- Penetration E-35, Equip. No. 1SI06E _____/_____
- Penetration E-37, Equip. No. 1RD15E _____/_____
- Penetration E-38, Equip. No. 1RD16E _____/_____
- Penetration E-39, Equip. No. 1RD17E _____/_____
- Penetration E-40, Equip. No. 1VPO2E _____/_____
- Penetration E-41, Equip. No. 1AP85EB _____/_____
- Penetration E-42, Equip. No. 1NR02E _____/_____

4.22 ALIGN a flowmeter to the test volume. _____/_____

4.23 RECORD the leakage rate for Zone 4 and other required data after monitoring the flowmeter at least 15 minutes.

Flowmeter Type Used _____
Leakage Rate as Indicated on the Flowmeter _____ SCFH
Pressure _____ psig
Temperature _____ °F

* NOTE *
* The leakage for all Zone 4 Electrical *
* Penetration Modules should be less than 1.5 *
* SCFH. *

4.24 CLOSE the black handle isolation valves located directly below the individual electrical penetration pressure gauges for these Zone 4 Electrical penetrations:

- Penetration E-29, Equip. No. 1LV08E _____/_____
- Penetration E-31, Equip. No. 1RD12E _____/_____
- Penetration E-32, Equip. No. 1RD13E _____/_____
- Penetration E-33, Equip. No. 1RC02E _____/_____
- Penetration E-35, Equip. No. 1SIO6E _____/_____
- Penetration E-37, Equip. No. 1RD15E _____/_____
- Penetration E-38, Equip. No. 1RD16E _____/_____
- Penetration E-39, Equip. No. 1RD17E _____/_____
- Penetration E-40, Equip. No. 1VPO2E _____/_____
- Penetration E-41, Equip. No. 1AP85EB _____/_____
- Penetration E-42, Equip. No. 1NR02E _____/_____

4.25 Use the Depressurization Procedure of Attachment A. _____/_____

4.26 REMOVE the Flowmeter Test Rig and adapter from the pipe. _____/_____

4.27 CLOSE Valve 1NTO15D. _____/_____

4.28 CAP the pipe downstream of valve 1NTO15D. _____/_____

- 4.29 OPEN the following valves:
- INTO41D _____/_____
 - INTO39D _____/_____
 - INTO39H _____/_____
 - INTO06D _____/_____
 - INTO38D _____/_____
 - INTO40D _____/_____
 - INTO01D _____/_____

Type B Tests

5. Fuel Transfer Tube Penetration Blind Flange Leakage Rate Test

* NOTE *
* This section tests the seal of the blind *
* flange and the weld neck flange on the fuel *
* transfer tube (Reactor Cavity-containment *
* side). The seal consists of two concentric *
* O-rings squeezed between the weld neck flange *
* and the blind flange. A test connection is *
* provided (1/4" pipe connection weld socket) *
* on the top of the weld neck flange. *

BLIND FLANGE O-RINGS

5.1 RECORD the required Test Rig instrument calibration data.

Flowmeter Type _____ Accuracy + _____ SCFH
Serial # _____ Cal Date _____ Cal Due Date _____ / _____

Flowmeter Type _____ Accuracy + _____ SCFH
Serial # _____ Cal Date _____ Cal Due Date _____ / _____

Pressure Gauge (0-60 PSIG)
Serial # _____ Cal Date _____ Cal Due Date _____ / _____

Thermometry Equipment
Serial #'s _____ Cal Date _____ Cal Due Date _____ / _____

5.2 REMOVE the plug in the 1/4" weld socket test connection on the Fuel Transfer Tube Weld neck flange. _____ / _____

5.3 ATTACH the Test Rig via an adapter to the 1/4" weld socket test connection. _____ / _____

5.4 LINE UP the Flowmeter Test Rig per the Pressurization Procedure of Attachment A. _____ / _____

5.5 ALIGN a flowmeter to the test volume. _____ / _____

5.6 RECORD the leakage rate for the BLIND FLANGE O-RINGS and other required data after monitoring the flowmeter for at least 5 minutes.

Flowmeter type used _____ / _____
Leakage Rate indicated on the Flowmeter _____ SCFH

Pressure _____ psig
Temperature _____ °F

- 5.7 Use the Depressurization Procedure of Attachment A. _____/_____
- 5.8 REMOVE the Test Rig and adapter from the test volume. _____/_____
- 5.9 RE-INSTALL the 1/4" plug in the test connection on the Fuel Transfer Tube Weld Neck Flange. _____/_____
6. Equipment Door Double Gasket Local Leakage Rate Test
- 6.1 RECORD the Test Rig Calibration Data.
- Flowmeter Type _____ Accuracy + _____ SCFH
Serial # _____ Cal Date _____ Cal Due Date _____/_____
- Flowmeter Type _____ Accuracy + _____ SCFH
Serial # _____ Cal Date _____ Cal Due Date _____/_____
- Pressure Gauge (0-60 PSIG)
Serial # _____ Cal Date _____ Cal Due Date _____/_____
- Thermometry Equipment
Serial #'s _____ Cal Date _____ Cal Due Date _____/_____
- 6.2 VERIFY the cart for the Equipment doors has been disconnected and removed. _____/_____
- 6.3 VERIFY new O-ring gaskets have been installed in the Equipment door if necessary. _____/_____
- 6.4 VERIFY the door bolts and nuts have been installed and torqued per the sequence specified in the CB&I Instruction Manual. _____/_____
- 6.5 REMOVE the Tap Plug from the pressure tap provided on the neck of the Equipment door. _____/_____
- 6.6 ATTACH the adapter to the test port. _____/_____
- 6.7 ATTACH the Flowmeter Test Rig to the adapter installed in the test port. _____/_____
- 6.8 LINE UP the Flowmeter Test Rig per the Pressurization Procedure of Attachment A. _____/_____
- 6.9 While allowing the pressure in the Equipment Door Gasket Interspace to stabilize, record the required data _____/_____

Flowmeter Type _____ Accuracy ± _____ SCFH
Serial # _____ Cal Date _____ Cal Due Date _____ / _____

Flowmeter Type _____ Accuracy ± _____ SCFH
Serial # _____ Cal Date _____ Cal Due Date _____ / _____

Pressure Gauge (0-60 PSIG)
Serial # _____ Cal Date _____ Cal Due Date _____ / _____

Thermometry Equipment
Serial #'s _____ Cal Date _____ Cal Due Date _____ / _____

6.10 ALIGN a flowmeter to the test volume. _____ / _____

6.11 Record the leakage rate & other required data after monitoring the flowmeter at least 15 minutes.

Flowmeter type used _____ / _____
Leakage Rate indicated on the Flowmeter _____ SCFH

Pressure _____ psig _____ / _____
Temperature _____ °F _____ / _____

6.12 Use the Depressurization Procedure of Attachment A. _____ / _____

6.13 REMOVE the Flowmeter Test Rig and adapter from the 1/4" NPT test port. _____ / _____

6.14 RE-PLUG the 1/4" NPT Gasket Interspace Test Port on the Lock Inner Door Bulkhead. _____ / _____

G. ACCEPTANCE CRITERIA:

The combined leakage rate, including the measurement error, for all penetrations and valves subject to Type B and C tests shall be less than 0.60 La at a minimum pressure of Pa (43.6 psig).

Attachment A

LOCAL LEAKAGE RATE FLOWMETER TEST RIG

Pressurization Procedure

- 1) Align one of the Bypass lines to the Test Rig output.
- 2) CLOSE valve D if the Test Rig Bypass Line is being used.
- 3) Attach the Air or N₂ supply to the FLOWMETER TEST RIG.
- *4) Pressurize the test volume to approximately 45 psig. Manipulating the test rig valves and regulator as necessary.
- 5) The final pressurization path should be through the pressure regulator and the Flowmeter Bypass Line.

Depressurization Procedure

- 1) CLOSE or verify valves D & E are closed.
 - 2) Align or verify valve A is aligned to the pressure regulator.
 - 3) Isolate the gas supply to the Test Rig.
 - 4) Depressurize via Regulator bleeder valve.
 - 5) Disconnect gas supply from Test Rig.
 - 6) OPEN valve E.
 - 7) Align valve A to the Test Rig Bypass as necessary to decrease pressure.
- * If the test volume is pressurized greater than 45 psig and it is desired to reduce the pressure below 45 psig perform the Depressurization Procedure. CLOSE valve E and restart the Pressurization Procedure.

* NOTE *

* The Flowmeters are calibrated to 45 psig & 72°F. *

ATTACHMENT B

TYPE B TESTS

A) Electrical Penetrations

A1. ZONE 1 ELECTRICAL PENETRATIONS

Location - 420', R8 Containment Wall

<u>Electrical Pene #</u>	<u>Equipment #</u>	<u>NT Isol Valve</u>
E-15	1VPO3E	INTO17A
E-16	1RYO4E	INTO19A
E-17	1RYO7E	INTO21A
E-18	1LV02E	INTO23A
E-19	1AP85ED	INTO25A
E-20	1RCO4E	INTO27A
E-21	1AP84EB	INTO07A
E-22	1NRO1E	INTO16A
E-23	1IC19E	INTO18A
E-24	1SI05E	INTO20A
E-25	1LV07E	INTO22A
E-26	SPARE	INTO24A
E-27	1LV09E	INTO26A
E-28	1AP84EC	INTO28A

A2. ZONE 2 ELECTRICAL PENETRATIONS

Location - 437', R8 Containment Wall

E-1	1RCO3E	INTO16B
E-2	1AP84EA	INTO19B
E-3	1LV10E	INTO21B
E-4	1VPO4E	INTO23B
E-5	1LV04E	INTO25B
E-6	1LV03E	INTO27B
E-7	1SI08E	INTO07B
E-8	1AP85EC	INTO17B
E-9	1RY06E	INTO18B
E-10	1RY05E	INTO20B
E-11	1SI02E	INTO22B
E-12	1SI04E	INTO24B
E-13	1LV06E	INTO26B
E-14	1NRO4E	INTO28B

ATTACHMENT B
(Continued)

A3. ZONE 3 ELECTRICAL PENETRATIONS

Location - 420', R11 Containment Wall

<u>Electrical Pene #</u>	<u>Equipment #</u>	<u>NT Isol Valve</u>
E-43	1LVO1E	INTO17C
E-44	1SIO3E	INTO19C
E-45	1SIO1E	INTO21C
E-46	1LVO5E	INTO23C
E-47	1RC01E	INTO25C
E-48	1AP85EA	INTO27C
E-49	1VPO1E	INTO07C
E-50	1NR03E	INTO16C
E-51	1SIO7E	INTO18C
E-52	SPARE	INTO20C
E-53	SPARE	INTO22C
E-54	SPARE	INTO24C
E-55	SPARE	INTO26C
E-56	SPARE	INTO28C

A4. ZONE 4 ELECTRICAL PENETRATIONS

Location - 420', R11 Containment Wall

<u>Electrical Pene #</u>	<u>Equipment #</u>	<u>NT Isol Valve</u>
E-29	1LVO8E	INTO17D
E-30	SPARE	INTO19D
E-31	1RD12E	INTO21D
E-32	1RD13E	INTO23D
E-33	1RC02E	INTO25D
E-34	SPARE	INTO27D
E-35	1SIO6E	INTO07D
E-36	SPARE	INTO17D
E-37	1RD15E	INTO18D
E-38	1RD16E	INTO20D
E-39	1RD17E	INTO22D
E-40	1VPO2E	INTO24D
E-41	1AP85EB	INTO26D
E-42	1NR02E	INTO28D

ATTACHMENT B
(Continued)

B) FUEL TRANSFER TUBE

B1. Containment Side-Blind Flange (Double O-rings)

C) Equipment Door/Integral Personnel Lock

C1. Equipment Door Seals - Double O-ring

ATTACHMENT C

Sheet 2 of 2

LOCAL LEAKAGE RATE DETERMINATION

PRESSURE DECAY METHOD

DATA SECTION

Test Step # exited from _____ / _____

INITIAL READING			FINAL READING				
AMBIENT TEMP. °F T ₁	PRESSURE PSIG P ₁	TIME DATE	INITIAL/DATE	AMBIENT TEMP. °F T ₂	PRESSURE PSIG P ₂	TIME DATE	INITIAL/DA
_____	_____	_____/____	_____/____	_____	_____	_____/____	_____/____

CALCULATIONS SECTION

Calculated Test Free Air Volume (V) _____ Ft³
Calculated Test Duration (t) _____ hours

P_{1a} (psia) = P₁ (psig) + 14.7psi = _____ psia P_{2a}(psia) = P₂(psig) + 14.7 psi = _____ ps

T_{1a} (*R) = T₁ (*F) + 460* = _____ *R T_{2a} (*R) = T₂(*F) + 460* = _____ *R

Calculated Leakage Rate L_R = _____ SCFH

Error associated with Leakage rate 8L_R = ± _____ SCFH

Calculations performed by: _____ Date: _____

* Volume Leakage Rate

$$L_R = \frac{35.9 V}{t} \left(\frac{P_{1a}}{T_{1a}} - \frac{P_{2a}}{T_{2a}} \right)$$

where V = total test free air vol. (Ft³)
t = test duration (hours)
P&T are given in absolute terms
psia and *R

* Error associated with Leakage Rate

were EP's and ET's are the
± errors associated with
the instruments.

ATTACHMENT D

Sheet ___ of ___

LOG SHEET

TYPE B LEAKRATE TESTING OF
PENETRATIONS OPENED SUBSEQUENT TO
A TYPE A OR B LEAKRATE TEST

A. STATEMENT OF APPLICABILITY The purpose of this procedure is to perform a Type B leak rate test on applicable penetrations if opened subsequent to a Type A or B test. This is done by pressurizing the seal with a gas at a pressure not less than P_a , 43.6 psia, and verifying that when the measured leakage rate for these seals is added to the leakage rates determined pursuant to Specification 4.6.1.2d for all other Type B and C penetrations, the combined leakage rate is less than $0.60 L_a$.

B. REFERENCES:

1. Technical Specifications
~~3/1/8-1~~ - 3/1/8-1
2. Manufacturers Instruction Manuals
Conax Electrical Penetrations - Conax Corp., F-191
Fuel Transfer System Technical Manual, Westinghouse Electrical Corp., F-138
3. Structural Drawings
S-844 Fuel Transfer Tube Skew Detail
4. Other References
10CFR50, Appendix J
ANSI N45.4-1972
IEEE C41.2-1971

~~Electrical Schematic
6E-1-3503 x Electrical Penetration Schedule, Rev. F
Electrical Schematic
6/20E-1-4030CV21 x IAOV CV81498 Letdown Orifice Isolation valve, Rev. D
Electrical Schematic
6/20E-1-4144A x Aux Relay Cab. Train B 1PA25J, Rev. D
Electrical Schematic
6/20E-1-4144F x Aux Relay Cab. Train B 1PA25J, Rev. E
Electrical Schematic
6/20E-1-4030RE03 x Rx Coolant Drn. Pp Disch. Isol & Disch. Valves, Rev. H
Electrical Schematic
6/20E-1-4148B x Aux. Safeguards Relay Cab. Train A 1PA27J, Rev. H
Electrical Schematic
6/20E-1-4148C x Aux. Safeguards Relay Cab. Train A 1PA27J, Rev. H~~

3. 10CFR50 Appendix J
4. ANSI N45.4- 1972
5. IEEE Std. - 317, 1975

C. PREREQUISITES:

1. Verify the plant status is such that this surveillance may be performed by obtaining written permission from the Shift Engineer or his designated SRO license assistant on the Data Package Cover Sheet.
2. The following test equipment should be available for the Type B & C tests:
 - a. Flowmeter Local Leakage Rate Test Rig (Calibration Verification is performed in each section.)
(See Attachment A) ~~(1-24)~~
 - b. Thermometry Equipment ~~(1-24)~~
 - c. Nitrogen Bottle
 - d. Pneumatic Pressure Hose ~~(1-24)~~
 - e. Poly Flo Tubing ~~(1-24)~~
~~(-24)~~
 - f. Snoop ~~(Several Bottles)~~ ~~(1-24)~~
 - g. Teflon Tape ~~(1-24)~~
 - ~~h. Tygon for draining penetrations (1-24)~~
 - hi. Adapters for test rig to test volume ~~(1-24)~~

Stop Watch (1-24) Serial # _____ Accy Ck Due _____

~~1/2" Pipe Cap (2)~~

D. PRECAUTIONS:

1. Care should be exercised when venting or opening systems. Some systems may already be pressurized prior to testing, so caution should be exercised when preparing a system for testing.
2. ~~Do Not exceed the design pressure of the system being tested.~~
2. Do Not use combustible gases for testing.
3. Do Not use ignition sources such as candles for leak testing.

E. LIMITATIONS AND ACTIONS:

If Acceptance Criteria is not met, immediately notify the Shift Engineer. The Shift Engineer shall determine operability status and implement LCOAR BOS 6.1.1a.1 BOS 6.1.2 a-1a as appropriate. Have the Shift Engineer complete the Summary of Results section on the Data Package Cover Sheet.

MAIN BODY:

F. ↓

 * NOTE *
 * *
 * Sections shall be performed in the order shown on the *
 * flow diagram. More than one section may be tested at *
 * the same time and where applicable, more than one *
 * penetration within a section may be tested at the same *
 * time. *
 * *****

 * NOTE *
 * *
 * If it is determined that the leakage rate cannot be *
 * measured accurately using the Flowmeter Test Rig the *
 * following statements apply. Upon reaching the step for *
 * the penetration or valve which begins with the words *
 * "Record the leakage rate", the alternate Pressure Decay *
 * method as specified in Attachment C may be used. *
 * An entry should be made on Attachment E *
 * recording 1) the reason for using the alternate method, *
 * 2) the procedure step exited upon. When the alternate *
 * method has been completed the procedure should be *
 * re-entered at the next step. *
 * *****

Typist
Place right after F. MAIN CONT
next page

The following procedure consists of 6 independent sections. Only perform the applicable sections. Place an "X" in the blank provided next to the sections that are to be performed and place "NA" next to the sections that need not be performed.

ZONE 1 _____

ZONE 2 _____

ZONE 3 _____

ZONE 4 _____

FTT _____

Equip. Dr. Gasket _____

DATA SHEET 1⁴ (SCFH)

	1	2	3	4	5	6
	ZONE 1	ZONE 2	ZONE 3	ZONE 4	FIT	Equip Or Gu.
A) Previous leakage rate	— ± —	— ± —	— ± —	— ± —	— ± —	— ± —
B) New leakage rate	— ± —	— ± —	— ± —	— ± —	— ± —	— ± —
C) Row B - Row A	— ± —	— ± —	— ± —	— ± —	— ± —	— ± —

D) SUM COLUMNS 1 thru 6^{**} — ± —

Previous Total of
E) Type B + C leak rates — ± —

Row D + Row E^{**} — ± — † (Acceptance Criteria < 274.0 SCFH)

- * Place "NA" in columns that are not being used.
- ** The summation of the error shall be done using

$$\text{Error Total} = (\epsilon_1^2 + \epsilon_2^2 + \dots)^{1/2}$$

NRC Request 8

Your justifications for Interim Operation (JIO's) were based on a July 1, 1984 fuel load. With the present fuel load schedule of September 15, 1984, provide a status of JIO's.

Response 8

The following environmental qualification JIO's do not need to be approved if fuel load occurs on or after September 15, 1984:

<u>Item</u>	<u>Submitted</u>
Barton 581A differential pressure switches (FIS-610, 611)	May 2, 1984
Rockwell hydrogen recombiner	January 5, 1984
in-containment Limitorque valve operators (several)	January 5, 1984

The following environmental qualification JIO's still need review for a September 15, 1984 fuel load:

instrumentation for the detection of inadequate core cooling	May 2, 1984
containment purge valves	January 5, 1984
United Electric pressure switches	January 5, 1984
Borg Warner 85440 main steam atmospheric relief valves	January 5, 1984
Barton 288A differential pressure switches (ILS-CS046A, IL-CS046B)	January 5, 1984
core exit thermocouples	January 5, 1984
Limitorque valve operator (ICC 9416)	May 2, 1984 (See also below)

The following new environmental qualification JIO's are attached to this response and need NRC review:

<u>Item</u>	<u>Attachment</u>
Barton 288A differential pressure switches (FIS-610, FIS-611)	A
motor brakes for valves ICC 9413A, B, ICC 9414, and ICC 9416	B
centrifugal charging pumps	C
Barton 288A differential pressure switches (1FIS-CC063/64)	D

Byron
Interim Justification Position for the
Seismic and Environmental Qualification of the
Differential Pressure Indicating Switch
Barton 288A
Instruments FIS-610, FIS-611

Control of flow in residual heat removal system "mini-flow" lines and resulting protection of RHR pumps is dependent on switch contact action in a differential pressure indicating switch. The Barton model 288A switch in this function is intended only for interim use until replaced with a Barton 581A qualified for service during and after a design basis safe shutdown earthquake. Because of questions raised about switch operation, results from a complete seismic test program in 1977 were considered inadequate to demonstrate successful seismic performance. A description of the original tests and subsequent tests performed to establish seismic qualification and the basis for interim operation with existing DP switches is provided below.

In the original DP switch seismic test completed in 1977, switch contacts were monitored. A review of analog recordings of switch contact status revealed no intermittent contact status changes in either the normally open or normally closed contacts. No attempt was made to vary measured differential pressure and actuate switch contacts during actual seismic test runs. The acceptance criteria at that time were no contact bounce in the deactivated switches and no affect on performance following seismic testing. Subsequent testing of another model switch revealed that susceptibility to contact bounce in switches of similar design was greater at or near the switch setpoints. In December 1982, two model 288A switches were included in another test then being conducted. During this test, provisions were made to mechanically change the differential pressure and to control the switching of contacts. This test was not comprehensive enough to establish design limits for all switch ranges, however, confidence was provided that except at differential pressures near the switch setpoints, no intermittent contact action might be expected as the result of seismic testing. The switches tested had ranges of 30 psid and 60 inches of water. The 60 inch unit was one of those originally tested in 1977. During each seismic simulation using generic WRD seismic envelope inputs, the switches were either operated through their ranges or held near setpoints. The 30 psid unit showed negligible tendencies for switch bounce, even at positions less than two percent full scale from a switch setpoint. The 60 inch unit from the original test was susceptible to switch (contact) bounce showing decreasing sensitivity as the distance

from the setpoint was increased. At two percent from the setpoint, contact bounce was extensive. However, less tendency for contact bounce was exhibited at 5% of full scale from the setpoint and during one run in which the switch was held approximately 8% from its setpoint, only two instances of intermittent switch action were observed, each lasting less than two milliseconds, which is acceptable.

A minimum flow rate is maintained to prevent pump failure from cavitation or pumping against a dead head by a recirculation line with a motor operated valve. If contact bounce of a switch occurred for long enough to initiate valve closure, flow through the pump would decrease until an actuator limit switch indicates full closure. Provided the DP switch contacts are in the correct state, the valves would then begin to reopen. A partial or full restriction of flow to the pumps could thus occur for the duration of the seismic event but the valve would fully reopen within 10 seconds following the event.

Performance specifications and type test results of the Pacific RHR pumps demonstrate that the pumps can tolerate fully restricted flow at operating speed without failure for 30 seconds. If contact bounce initiates valve closure at the beginning of a seismic event, flow restriction would occur only until limit switch actuation and subsequent valve reopening following such an event. Normal system performance would be insured provided no drift of the DP switch setpoints had occurred. The original tests in 1977 demonstrated post seismic adequacy of switch performance.

The minflow valve is also closed at high flow to assure adequate safety injection flow following a LOCA. The peak clad temperature remains well below the limit even when a 30-second delay in valve closure is considered.

In summary, evaluation of pump performance and resultant peak clad temperature demonstrates that no detrimental effects will occur due to a 30-second delay in the completion of either function. Following an SSE, normal switch and valve functions would be restored to assure adequate miniflow and SI flow.

Justification for Interim Operation
Valves 1CC9413A, B, 9414, 9416

It has been determined that containment isolation valves 9413A/B, 9414 and 9416 were supplied with non-qualified motor brakes for seismic events and radiation exposure. Westinghouse has evaluated this situation and concluded that power operation would not be acceptable until the brakes are replaced. At power operation, the reactor coolant pumps would be in service with component cooling water being supplied to the RCP thermal barrier. Should the thermal barrier rupture, containment isolation would be required to prevent influx of reactor coolant into the CCW system. Either a seismic event or exposure of the brakes to radiation could preclude the ability to isolate containment. The brakes will be replaced with qualified components prior to power operation.

Initial core load can safely proceed however based on the following considerations:

1. Containment is isolated prior to commencing fuel handling operations. Thus valves 9413A/B, 9414 and 9416 can be closed and verified to be closed prior to the start of core load.
2. The reactor coolant pumps are not in service. No component cooling water is being supplied to the thermal barrier. Since the water in the vessel is not being circulated by the RCPs and since RCS conditions are such that RCP damage could occur if the pumps were started, they are rendered inoperable during core load. There would therefore be no reason to attempt to establish thermal barrier cooling during initial core load. Since neither the pumps nor cooling to the thermal barrier are in service there is no need to postulate thermal barrier failure.
3. Should a seismic event of the OBE level occur during core load, containment integrity would be verified before core load operations were resumed.

Interim Justification for Operation

Material: Vellumoid

Application: Pump Coupling Gaskets
and Oil Filter Gaskets

Component(s): Centrifugal Charing Pumps-
Coupling and Oil Filter Gaskets

Safety Injection Pump-
Oil Filter Gasket

Vellumoid is a treated Cellulose material commonly used for gasket applications in oil or grease mediums. Data is not available for its exact composition, however, most Cellulos based materials react similarly under radiation. Since the primary failure mechanism for Cellulose when subjected to radiation is scission, data for Kraft paper was used for a comparative base.

By definition, scission reduces material tensile strength. Kraft paper is reported to have only a 25% reduction of tensile when irradiated to 1×10^7 rads. Since this is the primary form of degradation, compressive set is not as adversely affected by radiation as a rule.

For the gasket applications in the above components, compressive set has been determined to be the primary property of concern. As such less than a 25% reduction of this property is expected which is significantly less than a 50% acceptance level.

Because of the nature of degradation, using data from a similar material, and operating experience for which no gross failures have been reported, the pumps in questions can operate safely for one fuel cycle of 18 months at which time an alternate environmentally acceptable material for the couplings will be available and the oil filter can be replaced with those utilizing Viton or BUNA N gaskets.

INTERIM JUSTIFICATION
FOR USE OF BARTON 288A FLOW SWITCHES
(1FIS-CC063/64)

Qualified Replacement Barton 581 Transmitters for 1FIS-CC063/64 switches have been purchased and the anticipated delivery date is in the third quarter of 1984. Presently the qualification testing is being reviewed. In light of present situation, we have reviewed the operability requirements of the presently installed Barton 288A flow switches as shown in the following for interim justification.

The flow switches 1FIS-CC063 and 1FIS-CC064 provide a high flow alarm in the main control room and a high flow interlock to close valves 1CC050 and 1CC053 respectively.

Valve 1CC050 controls the flow of cooling water to the primary containment penetrations for the hot and cold leg piping. Valve 1CC053 controls the flow of cooling water to the main steam piping penetration in the biological shield. REV. 1

The high flow condition would be indicative of some break to the CC piping feeding the penetration coolers or the penetration coolers themselves. The maximum normal flow rate in the pipes is 55 gpm.

As a back-up to the flow switch two other means of determining a high flow (break of piping, cooler) are available. While these two means are non-safety related they are diverse in their method of detection.

The first includes level indications and low level alarms in the main control room for the component cooling water surge tank. The surge tank will show a loss of level in the event of a loss in component cooling water inventory. (Ref. FSAR Subsection 9.2.2.2.2.6) The surge tank also has a safety related pump trip.

The other is the reactor coolant pressure boundary leak detection system. These systems are provided to detect any leakage from reactor coolant pressure boundary but since the piping and penetrations in question are inside containment the leakage detection systems will note the penetration cooling leakage also. (Ref. FSAR Section 5.2.5)

If these two methods of leakage detection indicate concurrently that level in the surge tank is dropping and leakage is occurring in the containment, then either the component cooling water feeds to the reactor coolant pumps or the penetrations would be suspect. Since additional indication and low flow alarms (safety-related) exist in the main control room for the reactor coolant pump component cooling water supplies a determination can be made.

If the penetration cooling lines are determined to be leaking, isolation can be implemented by removing power to valves 1CC050 and 1CC053 at the motor control centers located outside of containment, which would fail the valves closed.

From another point of view, the position of these valves (i.e. 1CC050 and 1CC053) are monitored by indicating lamps at a local control panel, outside the containment, subjected to surveillance at least once an operating shift.

Operated from Qualified Limit Switches; are two lamps per valves, one is used to indicate the open and the other is used to indicate the close position of the valve. These valves are normally open.

In the event of a flow switch failure causing a valve to close, indication is provided and necessary steps can be taken to open the valve from the local panel, outside the containment, should the need arise.

On the basis of above licensee concludes that adequate justification exists for interim operation with the existing switches until fully qualified switches are received and installed.

DEFINITION OF TERMS USED ON QUALIFICATION DATA SHEETS

A. PLANT DESIGN ENVIRONMENT PARAMETERS - (PLT DES)

MAXIMUM POSTULATED EXTREMES TO WHICH THE EQUIPMENT WILL BE EXPOSED AND WILL BE REQUIRED TO PERFORM ITS DESIGN FUNCTION. FOR EQUIPMENT SUCH AS VALVES, THIS ALSO ACCOUNTS FOR THE PROCESS EXTREMES NOT JUST AMBIENT.

B. QUALIFICATION ENVIRONMENT PARAMETERS -

QUALIFICATION TEST CONDITIONS USED TO ESTABLISH QUALIFICATION.

C. OPERATION TIME (OPE TIME)

1. SHORT -

USED TO REFERENCE REQUIRED OPERATION TIMES OF LESS THAN 5 MINUTES SUCH AS SAFEGUARDS INITIATION OR CONTAINMENT ISOLATION WHICH ARE ONE TIME OPERATIONS. SAFETY FUNCTION IS REQUIRED AT ONSET OF ACCIDENT; ONCE FUNCTION IS PERFORMED SUBSEQUENT OPERATION IS NOT REQUIRED OR FAILURE WILL NOT HAVE A DEBILITATING EFFECT ON THE PLANT SAFETY.

2. INTERMITTANT -

ELECTRICAL ITEMS THAT ARE CYCLED ON AND OFF THROUGHOUT THE ACCIDENT SCENARIO. EXAMPLE WOULD BE A MOTOR OPERATED VALVE.

3. CONTINUOUS -

ELECTRICAL ITEMS THAT ARE ENERGIZED THROUGHOUT THE ACCIDENT SCENARIO THAT MUST MAINTAIN UNINTERRUPTED OPERATION.

NOTE: INFORMATION CONTAINED ON THE QUALIFICATION DATA SHEETS IS INTENDED TO SUMMARIZE THE RESULTS OF THE QUALIFICATION PROGRAM. FOR SPECIFIC DETAILS AND COMPLETE DOCUMENTATION, THE REFERENCED QUALIFICATION BINDER OR DATA PACKAGE SHOULD BE CONSULTED.

SARGENT & LUNDY ENGINEERS
COMPONENT QUALIFICATION DIVISION

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COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER	
					BGD	COL	ROW						
2FT -AFO11	AF	FLOW TRANSMITTR	F/L2906	RMT 1153DB3 FT76	AUX	024	NX	0364	A10	6/20E-0-3313 6/20E-2-4101E	C 2AF077 2PL84JA	A	A10E08
2FT -AFO12	AF	FLOW TRANSMITTR	F/L2906	RMT 1153DB8 FT76	AUX	025	NX	0364	A10	6/20E-0-3313 6/20E-2-4101F	C 2AF079 2PL84JB	A	A10E08
2FT -AFO13	AF	FLOW TRANSMITTR	F/L2906	RMT 1153DB8 FT76	AUX	024	NX	0364	A10	6/20E-0-3313 6/20E-2-4101E	C 2AF077 2PL84JA	A	A10E08
2FT -AFO14	AF	FLOW TRANSMITTR	F/L2906	RMT 1153DB8 FT76	AUX	025	NX	0364	A10	6/20E-0-3313 6/20E-2-4101F	C 2AF079 2PL84JB	A	A10E08
2FT -AFO15	AF	FLOW TRANSMITTR	F/L2906	RMT 1153DB8 FT76	AUX	024	NX	0364	A10	6/20E-0-3313 6/20E-2-4101E	C 2AF077 2PL84JA	A	A10E08
2FT -AFO16	AF	FLOW TRANSMITTR	F/L2906	RMT 1153DB8 FT76	AUX	025	NX	0364	A10	6/20E-0-3313 6/20E-2-4101F	C 2AF079 2PL84JB	A	A10E08
2FT -AFO17	AF	FLOW TRANSMITTR	F/L2906	RMT 1153DB8 FT76	AUX	024	NX	0364	A10	6/20E-0-3313 6/20E-2-4101E	C 2AF077 2PL84JA	A	A10E08
2FT -AFO18	AF	FLOW TRANSMITTR	F/L2906	RMT 1153DB8 FT76	AUX	025	NX	0364	A10	6/20E-0-3313 6/20E-2-4101F	C 2AF079 2PL84JB	A	A10E08

SARGENT & LUNDY ENGINEERS
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A10E08

SPEC. NUM.: F/L2906
 SYSTEM : AF
 SAFETY CAT: A
 FUNCTION : AUX FEEDWATER FLOW
 ENVR ZONE : A10
 COMP/EQUIP: FLOW TRANSMITTER
 MANUF. : RMT
 MODEL SUPP: 1153DB8

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	REMARKS	COMP		
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	REMARKS	NUMBER
TEMP DEG F	122	318	TYPE TEST	ROSEMOUNT REPORT NO. 108025 REV. A, DATED 02/04/81.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB061 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	A10E08
PRESS PSIG	-0.5 TO 0 IN.WG	73	TYPE TEST			
REL HUMID %	70	100	TYPE TEST			
RADIATION	1E07	2.4E07	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40	7.5 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW					
1VAO7CA	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	FB	0401	A12	N/A	N/A	N/A	A12G05	
1VAO7CB	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	FB	0401	A12	N/A	N/A	N/A	A12G05	
2VAO7CA	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	FB	0401	A12	N/A	N/A	N/A	A12G05	
2VAO7CB	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	FB	0401	A12	N/A	N/A	N/A	A12G05	

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A12G05

SPEC. NUM.: F/L2900

SYSTEM : VA

SAFETY CAT: N/A

FUNCTION : SUPPLY AIR MOVEMENT

ENVR ZONE : A12

COMP/EQUIP: AUX. BLDG. HVAC PUMP CUBICLE FAN

MANUF. : TRANE

MODEL SUPP:

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	COMP
PARAMETER	PLT DES	QUALIFICATION	DOCUMENT REFERENCE	NUMBER
		METHOD		
TEMP DEG F : 122			N/A	A12G05
PRESS PSIG : -.009	SEE	SEE		
TO O.O :	REMARKS	REMARKS		
REL HUMID % : 70				
RADIATION : 1E07				
CHEM SPRAY : N/A				
OPE TME MN : CONT.				
QUAL. LIFE : 40 YRS.				
SUBMERGENCE : N/A				

REFER TO ENVIRONMENTAL QUALIFICATION BINDER : A12G05
 NO. CQD- N/A FOR COMPLETE DOCUMENTATION
 PACKAGE ASSOCIATED WITH THIS EQUIPMENT.
 ITEMS DO NOT CONTAIN ANY NON-METALLIC COMPON-
 ENTS; THEREFORE NO E.Q. IS REQUIRED.
 NO BINDER IS REQUIRED.

3306

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
1LT -930	SI	LEVEL TRNSMTTER	F/L2702	BRN 752	AUX	015	BB	0379	A12	6/20E-0-3316 6/20E-1-4030 S101 6/20E-1-4109C	C 1SI467	A	A12E7C
1LT -931	SI	LEVEL TRNSMTTER	F/L2702	BRN 752	AUX	013	BB	0379	A12	6/20E-0-3316 6/20E-1-4030 S102 6/20E-1-4109C	C 1SI468	A	A12E7C
1LT -932	SI	LEVEL TRNSMTTER	F/L2702	BRN 752	AUX	013	BB	0379	A12	6/20E-0-3316 6/20E-1-4030 S103 6/20E-1-4109C	C 1SI469	A	A12E7C
1LT -933	SI	LEVEL TRNSMTTER	F/L2702	BRN 752	AUX	013	AA	0379	A12	6/20E-0-3316 6/20E-1-4030 S104 6/20E-1-4109C	C 1SI470	A	A12E7C

3306



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A12E7C

SPEC. NUM.: F/L2702

SYSTEM : SI

SAFETY CAT: A

FUNCTION :

ENVR ZONE : A13D

COMP/EQUIP: DIFFERENTIAL PRESSURE TRANSMITTER

MANUF. : BARTON

MODEL SUPP: 752

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE		NUMBER
TEMP DEG F	122	130	TYPE TEST	WESTINGHOUSE EQUIPMENT QUAL. TEST REPORT 4A & 4B.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQDP-ESE-4 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	A12E7C
PRESS PSIG	0	0	TYPE TEST			
REL HUMID %	70	100	TYPE TEST			
RADIATION	1E06	1E04	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	SHORT		TEST/ANALYSIS			
QUAL. LIFE	40 YRS.		TEST/ANALYSIS			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER	
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
1TS -VAO12	VA	TEMP SWITCH	F/L2783	UEL C303D-103 TS504	AUX	018	ZX	0401	A12	6/20E-0-3337 6/20E- 6/20E-1-4471M	C 1VA175	A	A12E10
2TS -VAO12	VA	TEMP SWITCH	F/L2783	UEL C303D-103 TS504	AUX	019	ZX	0401	A12	6/20E-0-3337 6/20E- 6/20E-2-4471M	C 2VA175	A	A12E10

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A12E10

SPEC. NUM.: F/L2783
 SYSTEM : VA
 SAFETY CAT: A
 FUNCTION : HVAC CONTROLS
 ENVR ZONE : A12
 COMP/EQUIP: TEMPERATURE SWITCH
 MANUF. : UNITED ELECTRIC
 MODEL SUPP: C303,D103

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER : PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER
TEMP DEG F : 122 MAX	130	TYPE TEST	1)AETC REP. NO. 15281 REV. 2 : REFER TO ENVIRONMENTAL QUALIFICATION BINDER DATED 10/14/83.	A12E10
PRESS PSIG : -0.5 TO 0 IN. WG	AMBIENT	TYPE TEST	2)AETC RETEST REP. NO. : NO. EQ-BBO21 FOR COMPLETE DOCUMENTATION 18987-84N, DATED 12/21/83.	
REL HUMID % : 90	90	TYPE TEST		
RADIATION : 1E07	1E07	TYPE TEST		
CHEM SPRAY : N/A	N/A	N/A		
OPE TME MN : CONT.	CONT.	TYPE TEST		
QUAL. LIFE : 40 YRS.	8.9 YRS.	TYPE TEST		
SUBMERGENCE : N/A	N/A	N/A		

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION --- BDG COL ROW ELEV ZONE	ENVR SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX 018 ZX 0401 A12		1VA12J	A	A12E6V
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX 018 ZX 0401 A12		2VA12J	A	A12E6V

SARGENT & LUNDY ENGINEERS
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A12E6V

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : MAINTAIN CLASS 1E CIRCUITS AND PROVIDE 600V ELECTRIC
ISOLATION BETWEEN ADJACENT TERMINALS.

ENVR ZONE : A12

COMP/EQUIP: TERMINAL BLOCK

MANUF. : G.E.

MODEL SUPP: CR15182-NUC

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER
TEMP DEG F	122	130	TYPE TEST	1)AET'S TEST REPORT NO. : REFER TO ENVIRONMENTAL QUALIFICATION BINDER : 15281, REV. 2- 10/14/83 : NO. EQ-BB017 FOR COMPLETE DOCUMENTATION	A12E6V
PRESS PSIG	0	0	TYPE TEST	2)AET'S RETESTING REPORT NO. : PACKAGE ASSOCIATED WITH THIS EQUIPMENT. : 18987-84N, DATED	
REL HUMID %	90	90	TYPE TEST	: DECEMBER, 1983.	
RADIATION	1E07	1E07	TYPE TEST		
CHEM SPRAY	N/A	N/A	N/A		
OPE TME MN	CONT.	CONT.	TYPE TEST		
QUAL. LIFE	40 YRS.	40 YRS.	TYPE TEST		
SUBMERGENCE	N/A	N/A	N/A		

SARGENT & LUNDY ENGINEERS
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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW				
N/A		VA INDICATOR LIGHT	F/L2783	WES EZC	AUX			0401 A12	1VA12J	A	A12E6F
N/A		VA INDICATOR LIGHT	F/L2783	WES EZC	AUX			0401 A12	2VA12J	A	A12E6F

SARGENT & LUNDY ENGINEERS
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A12E6F

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : MAINTAIN 1E INTEGRITY

ENVR ZONE : A 12

COMP/EQUIP: INDICATOR LIGHT

MANUF. : WESTINGHOUSE

MODEL SUPP: EZC

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	PLT DES	QUALIFICATION	METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	122	130	TYPE TEST	1)AETC'S TEST REPORT NO. 15221, REV. 2- 10/14/83-	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB016 FOR COMPLETE DOCUMENTATION	A12E6F
PRESS PSIG	-.5 TO 0 IN.WG	0	TYPE TEST	2)AETC'S RETESTING REPORT NO. 18987-84N, DATED DECEMBER, 1983.	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	90	90	TYPE TEST			
RADIATION	1E07	1E07	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	18.5 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
1HS -VAO12	VA	SEL SWITCH	F/L2783	WES OT2 CS509	AUX	018	ZX	0401	A12	6/20E-0-3337 6/20E- 6/20E-1-4471M	C 1VA117 1VA12J	A	A12E09
2HS -VAO12	VA	SEL SWITCH	F/L2783	WES OT2 CS509	AUX	018	ZX	0401	A12	6/20E-0-3337 6/20E- 6/20E-0-4471M	C 2VA174 2VA12J	A	A12E09

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A12E09

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : COOLER FANMOTOR CONTROL

ENVR ZONE : A12

COMP/EQUIP: SELECTOR SWITCH

MANUF. : WESTINGHOUSE.

MODEL SUPP: OT2

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION QUALIFICATION	METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	122MAX	130	TYPE TEST	1)ACTION CORP. TEST REPORT NO. 15281,REV. 2- 10/14/83.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB019 FOR COMPLETE DOCUMENTATION	A12E09
PRESS PSIG	0.5 TO 0 IN.WG	AMBIENT	TYPE TEST	2)ACTION CORP. RETEST REPORT NO. 18987-84N DATED 12/21/83	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	90	90	TYPE TEST			
RADIATION	1E07	1E07	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	18.6 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW					
N/A		VA WIRE	F/L2783	GE 1-PLEX	AUX	018	ZX	0401	A12	1VA12J	A	A12E6P
N/A		VA WIRE	F/L2783	GE 1-PLEX	AUX	019	ZX	0401	A12	2VA12J	A	A12E6P

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A12E6P

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : MAINTAIN CONTINUITY & INTEGRITY OF CLASS 1E CIRCUITS

ENVR ZONE : A12

COMP/EQUIP: 1-PLEX WIRE

MANUF. : G.E.

MODEL SUPP: SIS SINGLE PLEX

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	122	130	TYPE TEST	1)AET'S TEST REPORT NO. 15281, REV. 2- 10/14/83	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB020 FOR COMPLETE DOCUMENTATION	A12E6P
PRESS PSIG	0.25 TO 0 IN.WG	0	TYPE TEST	2)AET'S RETESTING REPORT NO. 18987-84N, DATED DECEMBER, 1983.	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	90	90	TYPE TEST			
RADIATION	1E07	1E07	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	40 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
1LT -102		CV LEVEL TRNSMTTER	F/L2702	BRN 752	AUX	016	LX	0401	A12A	6/20E-0-3332 6/20E-1-4030 ABO1 6/20E-1-4109C	C 1AB030	A	AA2E10
1LT -106		CV LEVEL TRNSMTTER	F/L2702	BRN 752	AUX	017	LX	0401	A12A	6/20E-0-3332 6/20E-1-4030 ABO2 6/20E-1-4109C	C 1AB055	A	AA2E10
2LT -102		CV LEVEL TRNSMTTER	F/L2702	BRN 752	AUX	020	MX	0401	A12A	6/20E-0-3332 6/20E-2-4030 ABO1 6/20E-2-4109C	C 2AB030	A	AA2E10
2LT -106		CV LEVEL TRNSMTTER	F/L2702	BRN 752	AUX	019	LX	0401	A12A	6/20E-0-3332 6/20E-2-4030 ABO2 6/20E-2-4109C	C 2AB055	A	AA2E10

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AA2E10

SPEC. NUM.: F/L2702

SYSTEM : AB

SAFETY CAT: A

FUNCTION : BORIC ACID TANK LEVEL

ENVR ZONE : A12A

COMP/EQUIP: DIFFERENTIAL PRESSURE TRANSMITTER

MANUF. : BARTON

MODEL SUPP: 752

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION QUALIFICATION	METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	128	130 MAX	TYPE TEST	WESTINGHOUSE EQUIP. QUAL. TEST REPORTS E04A & E04B	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQDP ESE-4 FOR COMPLETE DOCUMENTATION ASSOCIATED WITH THIS EQUIPMENT.	AA2E10
PRESS PSIG	0	0	TYPE TEST			
REL HUMID %	90	95	TYPE TEST			
RADIATION	1E05	1E05	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TEST/ANALYSIS			
QUAL. LIFE	40 YRS.	5 YRS.	TEST/ANALYSIS			
SUBMERGENCE	N/A	N/A	N/A			

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1VA04CC	VA	AUX BLDG HVAC SI PUMP CUBICAL COOLER FAN 1C	F/L2900	WEC 003 HP	CLASS H INSULAT	AUX	O13 YX	0364 A13	6/20E-1-3314 6/20E- 6/20E-1-4681D	C 1VA048	A	A13A20
1VA04CD	VA	AUX BLDG HVAC SI PUMP CUBICAL COOLER FAN 1D	F/L2900	WEC 003 HP	CLASS H INSULAT	AUX	O13 YX	0364 A13	6/20E-1-3314 6/20E- 6/20E-1-4685C	C 1VA132	A	A13A20
1VA06CC	VA	AUX BLDG HVAC CEN CHR PUMP CUB CLR FAN 1C	F/L2900	WEC 003 HP	CLASS H INSULAT	AUX	O15 ZX	0364 A13	6/20E-1-3314 6/20E- 6/20E-1-4681D	C 1VA055	A	A13A20
1VA06CD	VA	AUX BLDG HVAC CEN CHR PUMP CUB CLR FAN 1D	F/L2900	WEC 003 HP	CLASS H INSULAT	AUX	O15 ZX	0364 A13	6/20E-1-3314 6/20E- 6/20E-1-4685C	C 1VA140	A	A13A20

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A13A20

SPEC. NUM.: F/L2900

SYSTEM : VA

SAFETY CAT: A

FUNCTION : CUBICLE COOLERS

ENVR ZONE : A13

COMP/EQUIP: MOTOR / HVAC PUMP CUBICLE COOLER FAN

MANUF. : WESTINGHOUSE

MODEL SUPP: 3HP CLASS H

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER
TEMP DEG F	102	130	TYPE TEST	WESTINGHOUSE ELECTRIC CORP. : REFER TO ENVIRONMENTAL QUALIFICATION BINDER	A13A20
PRESS PSIG	ATM	ATM	TYPE TEST	QUALIFICATION DOCUMENT : NO. EQ-BB008 FOR COMPLETE DOCUMENTATION	
REL HUMID %	70	100	TYPE TEST	MM-9112 LAST REV. 1/15/82. : PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
RADIATION	1E06	2E08	TYPE TEST		
CHEM SPRAY	N/A	N/A	N/A		
OPE TME MN	CONT.	CONT.	TYPE TEST		
QUAL. LIFE	40	40	TYPE TEST		
SUBMERGENCE	N/A	N/A	N/A		

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					BDG	C0L	ROW						ELEV
OZS -VA204AB	VA	LIMIT SWITCH DMPR 012V CLOSE END	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	SX	0475	A13	6/20E-0-3387		A	A13D03
										6/20-0-4468A			
OZS -VA214AA	VA	LIMIT SWITCH DAMPER 015Y LS	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	SX	0475	A13	6/20E-0-3387		A	A13D03
										6/20-0-4468A			
OZS -VA211AB	VA	LIMIT SWITCH DAMPER 015Y LS	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	SX	0475	A13	6/20E-0-3387		A	A13D03
										6/20-0-4468A			

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A13D03

SPEC. NUM.: F/L2903

SYSTEM : VA

SAFETY CAT: A

FUNCTION : PROVIDE POSITION INDICATION

ENVR ZONE : A13

COMP/EQUIP: LIMIT SWITCH

MANUF. : NAMCO CONTROLS

MODEL SUPP: EA170 SERIES

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP	
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER	
TEMP DEG F	102	194	TYPE TEST	NAMCO CONTROL'S REP. QTR107 REV. 0 DATED 03/11/81 & REV. LP10767-2 REV. 4 DATED 11/02/79.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB055 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	A13D03
PRESS PSIG	0	0	TYPE TEST			
REL HUMID %	70	100	TYPE TEST			
RADIATION	1E06	2.04E08	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS	20.68 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NC/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						
1CC685	CC	MOTOR OPERATOR	F/L2702	LTQ SMB-00-15 RLNCE CLSS B	AUX	012	UX	0395	A13C	6/20E-1-3322 6/20E- 6/20E-1-4687D	1CC040	A	AC3A01
1CC9412A	CC	MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX	016	SX	0376	A13C	6/20E-0-3314 6/20E- 6/20E-1-4661K	1CC044	A	AC3A01
1CC9413A	CC	MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX	013	VX	0397	A13C	6/20E-1-3325 6/20E- 6/20E-1-4661M	1CC050	A	AC3A01
1CC9413B	CC	MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX	013	VX	0397	A13C	6/20E-1-3325 6/20E- 6/20E-1-4689B	1CC054	A	AC3A01
1CC9414	CC	MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX	012	UX	0397	A13C	6/20E-1-3322 6/20E- 6/20E-1-4689B	1CC062	A	AC3A01
1CV112D	CV	MOTOR OPERATOR	F/L2702	LTQ SB-00-10 RLNCE CLSS B	AUX	014	UX	0377	A13C	6/20E-1-3312 6/20E- 6/20E-1-4661K	1CV077	A	AC3A01
1CV112E	CV	MOTOR OPERATOR	F/L2702	LTQ SB-00-10 RLNCE CLSS B	AUX	014	UX	0374	A13C	6/20E-1-3312 6/20E- 6/20E-1-4687C	1CV082	A	AC3A01
1CV8100	CV	MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX	012	XX	0394	A13C	6/20E-1-3324 6/20E- 6/20E-1-4687A	1CV035	A	AC3A01
1CV8105	CV	MOTOR OPERATOR	F/L2702	LTQ SB-00-15 RLNCE CLSS RH	AUX	013	VX	0380	A13C	6/20E-1-3312 6/20E- 6/20E-1-4687C	1CV049	A	AC3A01
1CV8106	CV	MOTOR OPERATOR	F/L2702	LTQ SB-00-15 RLNCE CLSS B	AUX	013	VX	0380	A13C	6/20E-1-3312 6/20E- 6/20E-1-4661K	1CV053	A	AC3A01
1CV8110	CV	MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX	014	SX	0365	A13C	6/20E-1-3312 6/20E- 6/20E-1-4661M	1CV057	A	AC3A01

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION --- BDG COL ROW ELEV ZONE	ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
1CV8111	CV	MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX 014 SX	0365 A13C	6/20E-1-3312 6/20E- 6/20E-1-4687C	1CV061	A	AC3A01
1CV8355A	CV	MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX 012 UX	0394 A13C	6/20E-1-3322 6/20E- 6/20E-	1CV610	A	AC3A01
1CV8355B	CV	MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX 012 XX	0386 A13C	6/20E-1-3324 6/20E- 6/20E-	1CV622	A	AC3A01
1CV8355C	CV	MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX 012 XX	0386 A13C	6/20E-1-3324 6/20E- 6/20E-	1CV625	A	AC3A01
1CV8355D	CV	MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	CNT 012 UX	0394 A13C	6/20E-1-3322 6/20E- 6/20E-	1CV613	A	AC3A01
1CV8804A	CV	MOTOR OPERATOR	F/L2702	LTQ SB-00-15 RLNCE CLSS B	AUX 013 QX	0368 A13C	6/20E-1-3312 6/20E- 6/20E-1-4661J	1CV406	A	AC3A01
1RH610	RH	MOTOR OPERATOR	F/L2702	LTQ SMB-000 RLNCE CLSS RH	AUX 015 SX	0360 A13C	6/20E-0-3314 6/20E- 6/20E-1-4661F	1RH015	A	AC3A01
1RH611	RH	MOTOR OPERATOR	F/L2702	LTQ SMB-000 RLNCE CLSS RH	AUX 015 V	0358 A13C			A	AC3A01
1RH8716A	RH	MOTOR OPERATOR	F/L2702	LTQ SB-00-15 RLNCE CLSS B	AUX 014 SX	0376 A13C	6/20E-1-3312 6/20E- 6/20E-1-4661F	1RH066	A	AC3A01
1RH8716B	RH	MOTOR OPERATOR	F/L2702	LTQ SB-00-15 RLNCE CLSS B	AUX 014 SX	0394 A13C	6/20E-1-3312 6/20E- 6/20E-1-4687A	1RH070	A	AC3A01
1SI8801A	SI	MOTOR OPERATOR	F/L2702	LTQ SBD-00-15 RLNCE CLSS B	AUX 013 VX	0394 A13C	6/20E-1-3325 6/20E- 6/20E-1-4661F	1SI032	A	AC3A01

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					BDG	COL	ROW						
1SI8801B	SI	MOTOR OPERATOR	F/L2702	LTQ SBD-00-15 RLNCE CLSS B	AUX	013	VX	0394	A13C	6/20E-1-3325 6/20E- 6/20E-1-4689A	1SI037	A	AC3A01
1SI8802A	SI	MOTOR OPERATOR	F/L2702	LTQ SBD-00-15 RLNCE CLSS B	AUX	012	VX	0386	A13C	6/20E-1-3325 6/20E- 6/20E-1-4661P	1SI052	A	AC3A01
1SI8802B	SI	MOTOR OPERATOR	F/L2702	LTQ SBD-00-15 RLNCE CLSS B	AUX	012	XX	0382	A13C	6/20E-1-3314 6/20E- 6/20E-1-4884	1SI058	A	AC3A01
1SI8804B	SI	MOTOR OPERATOR	F/L2702	LTQ SB-00-15 RLNCE CLSS B	AUX	012	YX	0379	A13C	6/20E-1-3314 6/20E- 6/20E-1-4687E	1SI060	A	AC3A01
1SI8806	SI	MOTOR OPERATOR	F/L2702	LTQ SB-00-10 RLNCE CLSS B	AUX	012	YX	0379	A13C	6/20E-1-3314 6/20E- 6/20E-1-4884A	1SI072	A	AC3A01
1SI8807A	SI	MOTOR OPERATOR	F/L2702	LTQ SB-00-15 RLNCE CLSS B	AUX	015	QX	0366	A13C	6/20E-0-3314 6/20E- 6/20E-1-4661G	1SI078	A	AC3A01
1SI8807B	SI	MOTOR OPERATOR	F/L2702	LTQ SB-00-15 RLNCE CLSS B	AUX	015	QX	0367	A13C	6/20E-0-3314 6/20E- 6/20E-1-4681G	1SI082	A	AC3A01
1SI8809A	SI	MOTOR OPERATOR	F/L2702	LTQ SBD-2-80 RLNCE CLSS B	AUX	012	VX	0389	A13C	6/20E-1-3325 6/20E- 6/20E-1-4661P	1SI131	A	AC3A01
1SI8809B	SI	MOTOR OPERATOR	F/L2702	LTQ SBD-2-80 RLNCE CLSS B	AUX	012	XX	0388	A13C	6/20E-1-3324 6/20E- 6/20E-1-4687M	1SI136	A	AC3A01
1SI8812A	SI	MOTOR OPERATOR	F/L2702	LTQ SB-2-80 RLNCE CLSS B	AUX	013	UX	0350	A13C	6/20E-1-3302 6/20E- 6/20E-1-4661Q	1SI071	A	AC3A01
1SI8812B	SI	MOTOR OPERATOR	F/L2702	LTQ SB-2-80 RLNCE CLSS B	AUX	013	XX	0350	A13C	6/20E-1-3304 6/20E- 6/20E-1-4687M	1SI171	A	AC3A01

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						
1SI8813	SI	MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX	014	VX	0378	A13C	6/20E-1-3312 6/20E- 6/20E-1-4687L	1SI176	A	AC3A01
1SI8814	SI	MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX	015	QX	0364	A13C	6/20E-0-3314 6/20E- 6/20E-1-4661N	1SI182	A	AC3A01
1SI8821A	SI	MOTOR OPERATOR	F/L2702	LTQ SB-00-15 RLNCE CLSS B	AUX	014	UX	0390	A13C	6/20E-1-3312 6/20E- 6/20E-1-4661H	1SI188	A	AC3A01
1SI8821B	SI	MOTOR OPERATOR	F/L2702	LTQ SB-00-15 RLNCE CLSS B	AUX	014	UX	0390	A13C	6/20E-1-3312 6/20E- 6/20E-1-4687F	1SI192	A	AC3A01
1SI8835	SI	MOTOR OPERATOR	F/L2702	LTQ SBD-00-15 RLNCE CLSS B	AUX	012	VX	0384	A13C	6/20E-1-3325 6/20E- 6/20E-1-4661P	1SI204	A	AC3A01
1SI8840	SI	MOTOR OPERATOR	F/L2702	LTQ SBD-3-175 RLNCE CLSS B	AUX	012	UX	0379	A13C	6/20E-1-3322 6/20E- 6/20E-1-4661Q	1SI208	A	AC3A01
1SI8920	SI	MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX	012	YX	0365	A13C	6/20E-1-3314 6/20E- 6/20E-1-4661N	1SI453	A	AC3A01
1SI8923A	SI	MOTOR OPERATOR	F/L2702	LTQ SB-00-15 RLNCE CLSS B	AUX	015	QX	0366	A13C	6/20E-0-3314 6/20E- 6/20E-1-4661H	1SI196	A	AC3A01
1SI8923B	SI	MOTOR OPERATOR	F/L2702	LTQ SB-00-15 RLNCE CLSS B	AUX	012	YX	0379	A13C	6/20E-1-3314 6/20E- 6/20E-1-4687D	1SI200	A	AC3A01
1SI8924	SI	MOTOR OPERATOR	F/L2702	LTQ SB-00-15 RLNCE CLSS B	AUX	015	QX	0370	A13C	6/20E-0-3314 6/20E- 6/20E-1-4681C	1SI471	A	AC3A01
2CC685	CC	MOTOR OPERATOR	F/L2702	LTQ SMB-00-15 RLNCE CLSS RH	AUX	023	VX	0383	A13C	6/20E-2-3322 6/20E- 6/20E-2-4687D	2CC040	A	AC3A01

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION --- BDG COL ROW ELEV ZONE	ENVR WIRING DIAGRAM NO.	SCHEMATIC DIAGRAM/ CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER
2CC9412A	CC	MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX 019 SX 0364 A13C	6/20E-0-3314 6/20E- 6/20E-2-4661K	2CC044	A	AC3A01
2CC9413A	CC	MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX 023 VX 0383 A13C	6/20E-2-3325 6/20E- 6/20E-2-4661M	2CC050	A	AC3A01
2CC9413B	CC	MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX 023 VX 0383 A13C	6/20E-2-3325 6/20E- 6/20E-2-4689B	2CC054	A	AC3A01
2CC9414	CC	MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX 024 UX 0383 A13C	6/20E-2-3322 6/20E- 6/20E-2-4689B	2CC062	A	AC3A01
2CV112D	CV	MOTOR OPERATOR	F/L2702	LTQ SB-00-10 RLNCE CLSS B	AUX 022 UX 0364 A13C	6/20E- 6/20E- 6/20E-2-4661K	2CV077	A	AC3A01
2CV112E	CV	MOTOR OPERATOR	F/L2702	LTQ SB-00-10 RLNCE CLSS B	AUX 022 UX 0364 A13C	6/20E- 6/20E- 6/20E-2-4687C	2CV082	A	AC3A01
2CV8100	CV	MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX 023 XX 0391 A13C	6/20E- 6/20E- 6/20E-2-4667A	2CV035	A	AC3AC1
2CV8105	CV	MOTOR OPERATOR	F/L2702	LTQ SB-00-15 RLNCE CLSS B	AUX 023 WX 0364 A13C	6/20E- 6/20E- 6/20E-2-4687C	2CV049	A	AC3A01
2CV8106	CV	MOTOR OPERATOR	F/L2702	LTQ SB-00-15 RLNCE CLSS B	AUX 023 WX 0364 A13C	6/20E- 6/20E- 6/20E-2-4661K	2CV053	A	AC3A01
2CV8110	CV	MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX 022 SX 0364 A13C	6/20E- 6/20E- 6/20E-2-4661M	2CV057	A	AC3A01
2CV8111	CV	MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX 022 SX 0364 A13C	6/20E- 6/20E- 6/20E-2-4687C	2CV061	A	AC3A01

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						ELEV
2CV8355A		CV MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX	024	UX	0383	A13C	6/20E-2-3322 6/20E- 6/20E-	2CV610	A	AC3A01
2CV8355B		CV MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX	024	XA	0383	A13C	6/20E-2-3324 6/20E- 6/20E-	2CV622	A	AC3A01
2CV8355C		CV MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX	024	XX	0383	A13C	6/20E-2-3324 6/20E- 6/20E-	2CV625	A	AC3A01
2CV8355D		CV MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX	024	VX	0383	A13C	6/20E-2-3322 6/20E- 6/20E-	2CV613	A	AC3A01
2CV8804A		CV MOTOR OPERATOR	F/L2702	LTQ SB-00-15 RLNCE CLSS B	AUX	021	SX	0364	A13C	6/20E- 6/20E- 6/20E-2-4661J	2CV406	A	AC3A01
2RH610		RH MOTOR OPERATOR	F/L2702	LTQ SMB-000 RLNCE CLSS RH	AUX	015	SX	0360	A13C	6/20E-0-3314 6/20E- 6/20E-2-4661F	2RH015	A	AC3A01
2RH611		RH MOTOR OPERATOR	F/L2702	LTQ SMB-000 RLNCE CLSS RH	AUX	015	V	0358	A13C				AC3A01
2RH8716A		RH MOTOR OPERATOR	F/L2702	LTQ SB-00-15 RLNCE CLSS B	AUX	021	UX	0364	A13C	6/20E- 6/20E- 6/20E-2-4661F	2RH066	A	AC3A01
2RH8716B		RH MOTOR OPERATOR	F/L2702	LTQ SB-00-15 RLNCE CLSS B	AUX	021	UX	0364	A13C	6/20E- 6/20E- 6/20E-	2RH070	A	AC3A01
2SI8801A		SI MOTOR OPERATOR	F/L2702	LTQ SBD-00-15 RLNCE CLSS B	AUX	023	VX	0383	A13C	6/20E-2-3325 6/20E- 6/20E-2-4661F	2SI032	A	AC3A01
2SI8801B		SI MOTOR OPERATOR	F/L2702	LTQ SBD-00-15 RLNCE CLSS B	AUX	023	VX	0383	A13C	6/20E-2-3325 6/20E- 6/20E-2-4689A	2SI037	A	AC3A01

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						
2SI8802A	SI	MOTOR OPERATOR	F/L2702	LTQ SBD-00-15 RLNCE CLSS B	AUX	023	VX	0383	A13C	6/20E-2-3325 6/20E- 6/20E-2-4661P	2SI052	A	AC3A01
2SI8802B	SI	MOTOR OPERATOR	F/L2702	LTQ SBD-00-15 RLNCE CLSS B	AUX	024	XX	0364	A13C	6/20E- 6/20E- 6/20E-	2SI056	A	AC3A01
2SI8804B	SI	MOTOR OPERATOR	F/L2702	LTQ SB-00-15 RLNCE CLSS B	AUX	023	YX	0364	A13C	6/20E- 6/20E- 6/20E-2-4687E	2SI060	A	AC3A01
2SI8806	SI	MOTOR OPERATOR	F/L2702	LTQ SB-00-10 RLNCE CLSS B	AUX	023	ZX	0364	A13C	6/20E- 6/20E- 6/20E-2-4884A	2SI075	A	AC3A01
2SI8807A	SI	MOTOR OPERATOR	F/L2702	LTQ SB-00-15 RLNCE CLSS B	AUX	021	QX	0364	A13C	6/20E-0-3314 6/20E- 6/20E-2-4661G	2SI078	A	AC3A01
2SI8807B	SI	MOTOR OPERATOR	F/L2702	LTQ SB-00-15 RLNCE CLSS B	AUX	021	QX	0364	A13C	6/20E-0-3314 6/20E- 6/20E-2-4681G	2SI082	A	AC3A01
2SI8809A	SI	MOTOR OPERATOR	F/L2702	LTQ SBD-2-80 RLNCE CLSS B	AUX	023	VX	0383	A13C	6/20E-2-3325 6/20E- 6/20E-2-4661P	2SI131	A	AC3A01
2SI8809B	SI	MOTOR OPERATOR	F/L2702	LTQ SBD-2-80 RLNCE CLSS B	AUX	023	XX	0383	A13C	6/20E-2-3324 6/20E- 6/20E-	2SI136	A	AC3A01
2SI8812A	SI	MOTOR OPERATOR	F/L2702	LTQ SB-2-80 RLNCE CLSS B	AUX	023	VX	0346	A13C	6/20E-2-3302 6/20E- 6/20E-2-4661Q	2SI165	A	AC3A01
2SI8812B	SI	MOTOR OPERATOR	F/L2702	LTQ SB-2-80 RLNCE CLSS B	AUX	021	YX	0343	A13C	6/20E-2-3304 6/20E- 6/20E-	2SI171	A	AC3A01
2SI8813	SI	MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX	021	VX	0370	A13C	6/20E- 6/20E- 6/20E-2-4883D	2SI536	A	AC3A01

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						
2SI8814	SI	MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX	021	QX	0364	A13C	6/20E-0-3314 6/20E- 6/20E-2-4883D	2SI537	A	AC3A01
2SI8821A	SI	MOTOR OPERATOR	F/L2702	LTQ SB-00-15 RLNCE CLSS B	AUX	021	UX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4661H	2SI188	A	AC3A01
2SI8821B	SI	MOTOR OPERATOR	F/L2702	LTQ SB-00-15 RLNCE CLSS B	AUX	021	UX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-	2SI192	A	AC3A01
2SI8835	SI	MOTOR OPERATOR	F/L2702	LTQ SBD-00-15 RLNCE CLSS B	AUX	021	WX	0383	A13C	6/20E-2-3325 6/20E- 6/20E-2-4661P	2SI204	A	AC3A01
2SI8840	SI	MOTOR OPERATOR	F/L2702	LTQ SBD-3-175 RLNCE CLSS B	AUX	021	UX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4661Q	2SI208	A	AC3A01
2SI8920	SI	MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX	023	ZX	0364	A13C	6/20E-2-3314 6/20E- 6/20E-2-4883D	2SI539	A	AC3A01
2SI8923A	SI	MOTOR OPERATOR	F/L2702	LTQ SB-00-15 RLNCE CLSS B	AUX	021	QX	0364	A13C	6/20E-0-3314 6/20E- 6/20E-2-4661H	2SI196	A	AC3A01
2SI8923B	SI	MOTOR OPERATOR	F/L2702	LTQ SB-00-15 RLNCE CLSS B	AUX	023	ZX	0364	A13C	6/20E- 6/20E- 6/20E-	2SI200	A	AC3A01
2SI8924	SI	MOTOR OPERATOR	F/L2702	LTQ SB-00-15 RLNCE CLSS B	AUX	021	QX	0364	A13C	6/20E-0-3314 6/20E- 6/20E-2-4681C	2SI471	A	AC3A01

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AC3A01

SPEC. NUM.: F/L2702

SYSTEM : SI, CV, CC, RH

SAFETY CAT: A

FUNCTION : CONTAINMENT ISOLATION

ENVR ZONE : A13C

COMP/EQUIP: MOTOR OPERATED VALVE ACTUATOR

MANUF. : LIMITORQUE/RELIANCE

MODEL SUPP: SBD-00, SBD-2, SB-00, SMB-000, SMB-00, SB-00, SB-2, SBD-3,
RELIANCE CLASS B.

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT		QUALIFICATION		QUALIFICATION		REMARKS	COMP NUMBER
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT	REFERENCE		
TEMP DEG F	130	210	TYPE TEST	WESTINGHOUSE EQUIP. QUAL.	TEST REPORT HO4A.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EODP-HE-4 FOR COMPLETE DOCUMENTATION ASSOCIATED WITH THIS EQUIPMENT.	AC3A01
PRESS PSIG	.50-0	-6.7-2.3	TYPE TEST				
REL HUMID %	90	100	TYPE TEST				
RADIATION	3.7E06	4E06	TYPE TEST				
CHEM SPRAY	N/A	N/A	N/A				
OPE TME MN	INTER.	INTER.	TYPE TEST				
QUAL. LIFE	40 YRS.	21.7 YRS.	TEST/ANALYSIS				
SUBMERGENCE	N/A	N/A	N/A				

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			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
1CS019A	CS	MOTOR OPERATOR	F/L2794-1	LTQ SMB-000-5 RLNCE CLSS RH	AUX	013	WX	0346	A13C	6/20E-1-3302 6/20E- 6/20E-1-4661K	1CS028	A	AC3A03
1CS019B	CS	MOTOR OPERATOR	F/L2794-1	LTQ SMB-000-5 RLNCE CLSS RH	AUX	015	XX	0346	A13C	6/20E-1-3304 6/20E- 6/20E-1-4681G	1CS038	A	AC3A03
1SI8811A	SI	MOTOR OPERATOR	F/L2794-1	LTQ SMB-2-80 RLNCE CLSS RH	AUX	013	UX	0376	A13C	6/20E-1-3312 6/20E- 6/20E-1-4661N	1SI140	A	AC3A03
1SI8811B	SI	MOTOR OPERATOR	F/L2794-1	LTQ SMB-2-80 RLNCE CLSS RH	AUX	013	YX	0364	A13C	6/20E-1-3314 6/20E- 6/20E-1-4687L	1SI153	A	AC3A03
1SX016A	SX	MOTOR OPERATOR	F/L2884	LTQ SMB-00-7.5 RLNCE CLSS B	AUX	013	YX	0383	A13C	6/20E-1-3324 6/20E- 6/20E-1-4669C	1SX051	A	AC3A03
1SX016B	SX	MOTOR OPERATOR	F/L2884	LTQ SMB-00-7.5 RLNCE CLSS B	AUX	013	VX	0401	A13C	6/20E-1-3332D 6/20E- 6/20E-1-4687A	1SX054	A	AC3A03
1SX027A	SX	MOTOR OPERATOR	F/L2884	LTQ SMB-00-7.5 RLNCE CLSS B	AUX	013	YX	0383	A13C	6/20E-1-3324 6/20E- 6/20E-1-4669C	1SX057	A	AC3A03
1SX027B	SX	MOTOR OPERATOR	F/L2884	LTQ SMB-00-7.5 RLNCE CLSS B	AUX	013	VX	0401	A13C	6/20E-1-3332D 6/20E- 6/20E-1-4687A	1SX060	A	AC3A03
1W0006A	WO	MOTOR OPERATOR	F/L2718-2	LTQ SMB-00-10 RLNCE CLSS B	AUX	012	XX	0383	A13C	6/20E-1-3324 6/20E- 6/20E-1-4894	1W0074	A	AC3A03
1W0006B	WO	MOTOR OPERATOR	F/L2718-2	LTQ SMB-00-10 RLNCE CLSS B	AUX	013	WX	0401	A13C	6/20E-1-3332D 6/20E- 6/20E-1-4894A	1W0082	A	AC3A03
1W0020A	WO	MOTOR OPERATOR	F/L2718-2	LTQ SMB-00-10 RLNCE CLSS B	AUX	012	XX	0383	A13C	6/20E-1-3324 6/20E- 6/20E-1-4894	1W0088	A	AC3A03

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			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
1W0020B	WO	MOTOR OPERATOR	F/L2718-2	LTQ SMB-00-10 RLNCE CLSS B	AUX	012	VX	0401	A13C	6/20E-1-3332D 6/20E- 6/20E-1-4894A	1W0095	A	AC3A03
2CS019A	CS	MOTOR OPERATOR	F/L2794-1	LTQ SMB-000-5 RLNCE CLSS RH	AUX	021	VX	0343	A13C	6/20E-2-3302 6/20E- 6/20E-2-4661K	2CS028	A	AC3A03
2CS019B	CS	MOTOR OPERATOR	F/L2794-1	LTQ SMB-000-5 RLNCE CLSS RH	AUX	021	XX	0343	A13C	6/20E-2-3304 6/20E- 6/20E-2-4681G	2CS038	A	AC3A03
2SI8811A	SI	MOTOR OPERATOR	F/L2794-1	LTQ SMB-2-80 RLNCE CLSS H	AUX	023	UX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4661N	2SI140	A	AC3A03
2SI8811B	SI	MOTOR OPERATOR	F/L2794-1	LTQ SMB-2-80 RLNCE CLSS H	AUX	024	YX	0364	A13C	6/20E- 6/20E- 6/20E-	2SI153	A	AC3A03
2SX016A	SX	MOTOR OPERATOR	F/L2884	LTQ SMB-00-7.5 RLNCE CLSS B	AUX	024	YX	0383	A13C	6/20E-2-3324 6/20E- 6/20E-2-4669C	2SX051	A	AC3A03
2SX016B	SX	MOTOR OPERATOR	F/L2884	LTQ SMB-00-7.5 RLNCE CLSS B	AUX	023	VX	0401	A13C	6/20E-2-3322 6/20E- 6/20E-	2SX054	A	AC3A03
2SX027A	SX	MOTOR OPERATOR	F/L2884	LTQ SMB-00-7.5 RLNCE CLSS B	AUX	024	XX	0383	A13C	6/20E-2-3324 6/20E- 6/20E-2-4669C	2SX057	A	AC3A03
2SX027B	SX	MOTOR OPERATOR	F/L2884	LTQ SMB-00-7.5 RLNCE CLSS B	AUX	023	WX	0401	A13C	6/20E-2-3322 6/20E- 6/20E-	2SX060	A	AC3A03
2W0006A	WO	MOTOR OPERATOR	F/L2718-2	LTQ SMB-00-5 RLNCE CLSS B	AUX	022	YX	0383	A13C	6/20E- 6/20E- 6/20E-2-4669D	2W0070	A	AC3A03
2W0006B	WO	MOTOR OPERATOR	F/L2718-2	LTQ SMB-00-5 RLNCE CLSS B	AUX	023	WX	0401	A13C	6/20E- 6/20E- 6/20E-	2W0077	A	AC3A03

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			FNVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC.ND.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
2W0020A		WD MOTOR OPERATOR	F/L2718-2	LTQ SMB-00- RLNCE CI SS B	A1X	O24	YX	O383	A13C	6/20E- 6/20E- 6/20E-2-4669D	2W0084	A	AC3A03
2W0020B		WD MOTOR OPERATOR	F/L2718-2	LTQ SMB-00-5 RLNCE CI SS B	AUX	O24	VX	O401	A13C	6/20E- 6/20E- 6/20E-2-4687F	2W0091	A	AC3A03

SARGENT & LUNDY ENGINEERS
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AC3A03

SPEC. NUM.: F/L2794-1,F/L-2884,2718-2

SYSTEM : CS,SI,SX,W0

SAFETY CAT: A

FUNCTION : ISOLATION

ENVR ZONE : A13C

COMP/EQUIP: MOTOR OPERATOR

MANUF. : LIMITORQUE/RELIANCE

MODEL SUPP: SMB-000-5,SMB-2-80,SMB-00-7.5,SMB-00-5,SMB-00-10

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP	
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	REMARKS	NUMBER
TEMP DEG F	130	250	TYPE TEST	LIMITORQUE CORP. REPORT NO. BOO58 DATED 1-11-1980 & APPENDIX D. OF REPORT BOO58	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BBO27 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	AC3A03
PRESS PSIG	-.5-0.0	25	TYPE TEST			
REL HUMID %	90	100/STEAM	TYPE TEST			
RADIATION	1E07	2E07	TYPE TEST		ACTUATORS ARE REQUIRED TO OPERATE FOR CONTAINMENT ISOLATION POST ACCIDENT OPERATION IS NOT REQUIRED.	
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	SHORT	INTERMITANT	TYPE TEST			
QUAL. LIFE	40 YRS	40.0 YRS	TYPE TEST		40 YEARS LIFE IS BASED UPON REPLACING THE CLASS B MOTORS OF THE ACTUATORS AND ON FOLLOWING THE LUBRICATION PROCEDURE FROM LC8 IN APPENDIX A OF LIMITORQUE REPORT BOO58.	
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		MFG TYPE/MODEL	--- LOCATION ---				ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.			BDG	COL	ROW	ELEV					
1CS001A	CS	MOTOR OPERATOR	F/L2794-3	LTQ	SB-00-10 RLNCE CLSS B	AUX	013	VX	0364	A13C	6/20E-1-3312 6/20E- 6/20E-1-4661B	1CS045	A	AC3A04
1CS001B	CS	MOTOR OPERATOR	F/L2794-3	LTQ	SB-00-10 RLNCE CLSS B	AUX	015	XX	0364	A13C	6/20E-1-3314 6/20E- 6/20E-1-4687A	1CS049	A	AC3A04
1CS007A	CS	MOTOR OPERATOR	F/L2794-3	LTQ	SB-0-25 RLNCE CLSS B	AUX	013	WX	0401	A13C	6/20E-1-3332D 6/20E- 6/20E-1-4669A	1CS023	A	AC3A04
1CS007B	CS	MOTOR OPERATOR	F/L2794-3	LTQ	SB-0-25 RLNCE CLSS B	AUX	013	XX	0383	A13C	6/20E-1-3324 6/20E- 6/20E-1-4687B	1CS033	A	AC3A04
1CS009A	CS	MOTOR OPERATOR	F/L2794-3	LTQ	SB-0-25 RLNCE CLSS B	AUX	013	VX	0346	A13C	6/20E-1-3302 6/20E- 6/20E-1-4661C	1CS053	A	AC3A04
1CS009B	CS	MOTOR OPERATOR	F/L2794-3	LTQ	SB-0-25 RLNCE CLSS B	AUX	013	XX	0346	A13C	6/20E-1-3304 6/20E- 6/20E-1-4681G	1CS056	A	AC3A04
2CS001A	CS	MOTOR OPERATOR	F/L2794-3	LTQ	SB-00-10 RLNCE CLSS B	AUX	022	XX	0364	A13C	6/20E- 6/20E- 6/20E-2-4661B	2CS045	A	AC3A04
2CS001B	CS	MOTOR OPERATOR	F/L2794-3	LTQ	SB-00-10 RLNCE CLSS B	AUX	022	XX	0364	A13C	6/20E- 6/20E- 6/20E-	2CS049	A	AC3A04
2CS007A	CS	MOTOR OPERATOR	F/L2794-3	LTQ	SB-0-25 RLNCE CLSS B	AUX	023	WX	0401	A13C	6/20E- 6/20E- 6/20E-2-4669A	2CS023	A	AC3A04
2CS007B	CS	MOTOR OPERATOR	F/L2794-3	LTQ	SB-0-25 RLNCE CLSS B	AUX	023	XX	0383	A13C	6/20E- 6/20E- 6/20E-	2CS033	A	AC3A04
2CS009A	CS	MOTOR OPERATOR	F/L2794-3	LTQ	SB-0-25 RLNCE CLSS B	AUX	023	VX	0343	A13C	6/20E-2-3302 6/20E- 6/20E-2-4661C	2CS053	A	AC3A04

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
2CS009B		CS MOTOR OPERATOR	F/L2794-3	LTQ SB-O-25 RLNCE CLSS B	AUX	021	XX	0343	A13C	6/20E-2-3304 6/20E- 6/20E-2-4681G	2CS056	A	AC3A04

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AC3A04

SPEC. NUM.: F/L2794-3

SYSTEM : CS

SAFETY CAT: A

FUNCTION : ISOLATION

ENVR ZONE : A13C

COMP/EQUIP: MOTOR OPERATOR

MANUF. : LIMITORQUE/RELIANCE

MODEL SUPP: SB-00-10, SB-0-25
RELIANCE CLASS B

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES: QUALIFICATION	METHOD	DOCUMENT REFERENCE		NUMBER
TEMP DEG F	130 : 250	TYPE TEST	LIMITORQUE CORP. REPORT NO. : REFER TO ENVIRONMENTAL QUALIFICATION BINDER : AC3A04		
PRESS PSIG	-.5-0.0 : 25	TYPE TEST	:B0058 DATED 1-11-1980 & : NO. EQ-BB027 FOR COMPLETE DOCUMENTATION		
REL HUMID %	90 : 100/STEAM	TYPE TEST	APPENDIX D. OF REPORT B0058 : PACKAGE ASSOCIATED WITH THIS EQUIPMENT.		
RADIATION	1E07 : 2E07	TYPE TEST		ACTUATORS ARE REQUIRED TO OPERATE FOR CONTAINMENT ISOLATION POST ACCIDENT OPERATION IS NOT REQUIRED.	
CHEM SPRAY	N/A : N/A	N/A			
OPE TME MN	SHORT : INTERMITANT	TYPE TEST			
QUAL. LIFE	40 YRS : 40.0 YRS	TYPE TEST		40 YEARS LIFE IS BASED UPON REPLACING THE CLASS B MOTORS OF THE ACTUATORS AND ON FOLLOWING THE LUBRICATION PROCEDURE FORM LCB IN APPENDIX A OF LIMITORQUE REPORT B0058.	
SUBMERGENCE	N/A : N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW					
1CS001A	CS	GATE VALVE	F/L2794-3	A/D 14IN. -150FLX WDG	AUX			0364	A13C	N/A	N/A	AC3B16
1CS001B	CS	GATE VALVE	F/L2794-3	A/D 14IN. -150FLX WDG	AUX			0364	A13C	N/A	N/A	AC3B16
1CS007A	CS	GATE VALVE	F/L2794-3	A/D 10IN. -300FLX WDG	AUX			0401	A13C	N/A	N/A	AC3B16
1CS007B	CS	GATE VALVE	F/L2794-3	A/D 10IN. -300FLX WDG	AUX			0383	A13C	N/A	N/A	AC3B16
1CS009A	CS	GATE VALVE	F/L2794-3	A/D 16IN. -600FLX WDG	AUX			0346	A13C	N/A	N/A	AC3B16
1CS009B	CS	GATE VALVE	F/L2794-3	A/D 16IN. -600FLX WDG	AUX			0346	A13C	N/A	N/A	AC3B16
2CS001A	CS	GATE VALVE	F/L2794-3	A/D 14IN. -150FLX WDG	AUX			0364	A13C	N/A	N/A	AC3B16
2CS001B	CS	GATE VALVE	F/L2794-3	A/D 14IN. -150FLX WDG	AUX			0364	A13C	N/A	N/A	AC3B16
2CS007A	CS	GATE VALVE	F/L2794-3	A/D 10IN. -300FLX WDG	AUX			0401	A13C	N/A	N/A	AC3B16
2CS007B	CS	GATE VALVE	F/L2794-3	A/D 10IN. -300FLX WDG	AUX			0383	A13C	N/A	N/A	AC3B16
2CS009A	CS	GATE VALVE	F/L2794-3	A/D 16IN. -600FLX WDG	AUX			0343	A13C	N/A	N/A	AC3B16

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2CS009B		CS GATE VALVE	F/L2794-3	A/D 16IN.-600FLX WDG	AUX					0343 A13C	N/A	N/A	N/A	AC3B16

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AC3B16

SPEC. NUM.: F/L2794-3

SYSTEM : CS

SAFETY CAT: A

FUNCTION : CONTAINMENT SPRAY SYSTEM SUPPLY

ENVR ZONE : A13C

COMP/EQUIP: GATE VALVE

MANUF. : ANCHOR-DARLING

MODEL SUPP: 14IN. 15OFLX WDG; 10IN. 30OFLX WDG;
16IN. 60OFLX WDG.

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	350	950	ANALYSIS	SEE REMARKS	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB049 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	AC3B16
PRESS PSIG	450	900	ANALYSIS			
REL HUMID %	90	100	ANALYSIS			
RADIATION	1.1E07	2E07	ANALYSIS			
CHEM SPRAY	SEE REMARKS	SEE REMARKS	ANALYSIS		CHEM SPRAY (PLT DES) QUALIFICATION	
OPE TME MN	CONT.	CONT.	ANALYSIS		2000 PPM H2BO3	2000 PPM H3BO3
QUAL. LIFE	40 YRS	40 YRS.	ANALYSIS		30% NAOH	30% NAOH
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW					
1CS019A		CS VALVE	F/L2794-1	B/W 3IN.-300 CRESMO	AUX			0346	A13C	N/A	N/A	AC3B11
1CS019B		CS VALVE	F/L2794-1	B/W 3IN.-300 CRESMO	AUX			0346	A13C	N/A	N/A	AC3B11
1IA065		IA VALVE	F/L2794-1	B/W 3IN.-150 CRESAD	AUX			0391	A13C	N/A	N/A	AC3B11
1SI8811A		SI VALVE	F/L2794-1	B/W 24IN.-300 CRESMO	AUX			0364	A13C	N/A	N/A	AC3B11
1SI8811B		SI VALVE	F/L2794-1	B/W 24IN.-300 CRESMO	AUX			0364	A13C	N/A	N/A	AC3B11
2CS019A		CS VALVE	F/L2794-1	B/W 3IN.-300 CRFSMO	AUX			0343	A13C	N/A	N/A	AC3B11
2CS019B		CS VALVE	F/L2794-1	B/W 3IN.-300 CRESMO	AUX			0343	A13C	N/A	N/A	AC3B11
2IA065		IA VALVE	F/L2794-1	B/W 3IN.-150 CRESAD	AUX			0391	A13C	N/A	N/A	AC3B11
2SI8811A		SI VALVE	F/L2794-1	B/W 24IN.-300 CRESMO	AUX			0364	A13C	N/A	N/A	AC3B11
2SI8811B		SI VALVE	F/L2794-1	B/W 24IN.-300 CRESMO	AUX			0364	A13C	N/A	N/A	AC3B11

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AC3B11

SPEC. NUM.: F/L2794-1

SYSTEM : CS,IA,SI

SAFETY CAT: A

FUNCTION : CONTAINMENT ISOLATION

ENVR ZONE : A13C

COMP/EQUIP: RELIEF VALVE

MANUF. : BORG-WARNER

MODEL SUPP: 3IN. 300CRESMO;3IN. 1500CRESAD;
24IN. 300CRESMO;2IN. 1500CRESSW.

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION QUALIFICATION	METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	300	400	ANALYSIS	SEE REMARKS	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB047 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	AC3B11
PRESS PSIG	450	2000	ANALYSIS			
REL HUMID %	90	100	ANALYSIS			
RADIATION	1E07	1E09	ANALYSIS			
CHEM SPRAY	SEE REMARKS	SEE REMARKS	ANALYSIS		CHEM SPRAY (PLT DES) QUALIFICATION	
OPE TME MN	CONT.	CONT.	ANALYSIS		2000 PPM H3BO3	2000 PPM H3BO3
QUAL. LIFE	40 YRS	40 YRS.	ANALYSIS		30% NAOH	30% NAOH
SUBMERGENCE	N/A	N/A				

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW					
10G082	OG	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8226 MOD.C	AUX		0402	A13C	N/A	N/A	N/A	AC3B21
10G083	OG	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8226 MOD.C	AUX		0379	A13C	N/A	N/A	N/A	AC3B21
10G084	OG	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8226 MOD.C	AUX		0402	A13C	N/A	N/A	N/A	AC3B21
10G085	OG	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8226 MOD.C	AUX		0395	A13C	N/A	N/A	N/A	AC3B21
1SX016A	SX	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 150LBS.ANSI	AUX		0383	A13C	N/A	N/A	N/A	AC3B21
1SX016B	SX	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 150LBS.ANSI	AUX		0401	A13C	N/A	N/A	N/A	AC3B21
1SX027A	SX	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 150LBS.ANSI	AUX		0403	A13C	N/A	N/A	N/A	AC3B21
1SX027B	SX	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 150LBS.ANSI	AUX		0403	A13C	N/A	N/A	N/A	AC3B21
20G082	OG	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8226 MOD.C	AUX		0402	A13C	N/A	N/A	N/A	AC3B21
20G083	OG	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8226 MOD.C	AUX		0379	A13C	N/A	N/A	N/A	AC3B21
20G084	OG	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8226 MOD.C	AUX		0402	A13C	N/A	N/A	N/A	AC3B21

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW					
20G085	OG	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8226 MOD.C	AUX		0395	A13C	N/A	N/A	N/A	AC3B21
2SX016A	SX	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 150LBS.ANSI	AUX		0383	A13C	N/A	N/A	N/A	AC3B21
2SX016B	SX	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 150LBS.ANSI	AUX		0401	A13C	N/A	N/A	N/A	AC3B21
2SX027A	SX	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 150LBS.ANSI	AUX		0403	A13C	N/A	N/A	N/A	AC3B21
2SX027B	SX	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 150LBS.ANSI	AUX		0403	A13C	N/A	N/A	N/A	AC3B21

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AC3B21

SPEC. NUM.: F/L2884

SYSTEM : OG, SX

SAFETY CAT: A, B

FUNCTION : CONTAINMENT ISOLATION

ENVR ZONE : A13C

COMP/EQUIP: ISOLATION BUTTERFLY VALVE

MANUF. : JAMESBURY

MODEL SUPP. : 226 MOD.C. 150 LBS. ANSI

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	320	250	ANALYSIS	SEE REMARKS	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB052 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	AC3B21
PRESS PSIG	100	150	ANALYSIS			
REL HUMID %	90	100	ANALYSIS		TEMP QUAL. IS FOR 250 DEG.F. CONTINEOUS. 320 DEG.F. ACCIDENT TEMP IS FOR SHORT PERIOD OF TIME AND HEAT TRANSFER IS MINIMAL.	
RADIATION	2E08	2E08	ANALYSIS			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	ANALYSIS			
QUAL. LIFE	40 YRS.	40 YRS.	ANALYSIS			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	R/W	ELEV					ZONE
1CSO10A	CS	GLOBE CONTROL VALVE	F/L2793	MSN 3IN.-20000	AUX			0346	A13C	N/A	N/A	N/A	AC3B09
1CSO10B	CS	GLOBE CONTROL VALVE	F/L2793	MSN 3IN.-20000	AUX			0343	A13C	N/A	N/A	N/A	AC3B09
1PROO1A	PR	GLOBE CONTROL VALVE	F/L2793	MSN 1-38-20331	AUX			0383	A13C	N/A	N/A	N/A	AC3B09
1PROO1B	PR	GLOBE CONTROL VALVE	F/L2793	MSN 1-38-20331	AUX			0383	A13C	N/A	N/A	N/A	AC3B09
1SAO32	SA	GLOBE CONTROL VALVE	F/L2793	MSN 1.5-38- 20771	AUX			0383	A13C	N/A	N/A	N/A	AC3B09
2CSO10A	CS	GLOBE CONTROL VALVE	F/L2793	MSN 3IN.-20000	AUX			0343	A13C	N/A	N/A	N/A	AC3B09
2CSO10B	CS	GLOBE CONTROL VALVE	F/L2793	MSN 3IN.-20000	AUX			0343	A13C	N/A	N/A	N/A	AC3B09
2FPO10	FP	GLOBE CONTROL VALVE	F/L2793	MSN 4IN.-20000	AUX			0391	A13C	N/A	N/A	N/A	AC3B09
2PROO1A	PR	GLOBE CONTROL VALVE	F/L2793	MSN 1-38-20000	AUX			0387	A13C	N/A	N/A	N/A	AC3B09
2PROO1B	PR	GLOBE CONTROL VALVE	F/L2793	MSN 1-38-20000	AUX			0387	A13C	N/A	N/A	N/A	AC3B09
2SAO32	SA	GLOBE CONTROL VALVE	F/L2793	MSN 1.5-38- 20771	AUX			0383	A13C	N/A	N/A	N/A	AC3B09

SARGENT & LUNDY ENGINEERS
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AC3B09

SPEC. NUM.: F/L2793

SYSTEM : SA,PR,FP,CS

SAFETY CAT: A

FUNCTION : CONTAINMENT ISOLATION VOLUME CONTROL

ENVR ZONE : A13C

COMP/EQUIP: GLOBE CONTROL VALVE

MANUF. : MASONEILAN

MODEL SUPP: 1.5''-38-20771; 1''-38-20331; 3''20.000 SERIES ANSI CLASS 600;4''20.000 SERIES ANSI CLASS 600

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	320	950	ANALYSIS	SEE REMARKS	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB046 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	AC3B09
PRESS PSIG	250	2000	ANALYSIS			
REL HUMID %	100	100	ANALYSIS			
RADIATION	2E08	1.5E09	ANALYSIS			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	ANALYSIS			
QUAL. LIFE	40 YRS	40 YRS.	ANALYSIS			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW					
1CS003A	CS	ISOLATION CHECK VALVE	F/L2794-2	TRW 10IN.-AK30 CPFV04	AUX			0343	A13C	N/A	N/A	AC3B14
1CS003B	CS	ISOLATION CHECK VALVE	F/L2794-2	TRW 10IN.-AK30 CPFV04	AUX			0343	A13C	N/A	N/A	AC3B14
1CS011A	CS	ISOLATION CHECK VALVE	F/L2794-2	TRW 6IN.-AK15 CPFV04	AUX			0343	A13C	N/A	N/A	AC3B14
1CS011B	CS	ISOLATION CHECK VALVE	F/L2794-2	TRW 6IN.-AK15 CPFV04	AUX			0343	A13C	N/A	N/A	AC3B14
1CS020A	CS	ISOLATION CHECK VALVE	F/L2794-2	TRW 3IN.-AK15 CPFV04	AUX			0343	A13C	N/A	N/A	AC3B14
1CS020B	CS	ISOLATION CHECK VALVE	F/L2794-2	TRW 3IN.-AK15 CPFV04	AUX			0343	A13C	N/A	N/A	AC3B14
2CS003A	CS	ISOLATION CHECK VALVE	F/L2794-2	TRW 10IN.-AK30 CPFV04	AUX			0343	A13C	N/A	N/A	AC3B14
2CS003B	CS	ISOLATION CHECK VALVE	F/L2794-2	TRW 10IN.-AK30 CPFV04	AUX			034	A13C	N/A	N/A	AC3B14
2CS020A	CS	ISOLATION CHECK VALVE	F/L2794-2	TRW 3IN.-AK15 CPFV04	AUX			0343	A13C	N/A	N/A	AC3B14
2CS020B	CS	ISOLATION CHECK VALVE	F/L2794-2	TRW 3IN.-AK15 CPFV04	AUX			0343	A13C	N/A	N/A	AC3B14

SARGENT & LUNDY ENGINEERS
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AC3B14

SPEC. NUM.: F/L2794-2

SYSTEM : CS

SAFETY CAT: A

FUNCTION : CONTAINMENT ISOLATION

ENVR ZONE : A13C

COMP/EQUIP: CHECK VALVE

MANUF. : TRW-MISSION

MODEL SUPP: 10 IN.-AK30 CPFV04, 6 IN.-AK15 CPFV04,
3 IN.-AK15 CPFV04

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER
TEMP DEG F	: 320	: 1000	: ANALYSIS	: SEE REMARKS	: REFER TO ENVIRONMENTAL QUALIFICATION BINDER : AC3B14
PRESS PSIG	: 250	: 2500	: ANALYSIS	:	: NO. EQ-BB048 FOR COMPLETE DOCUMENTATION
REL HUMID %	: 100	: 100	: ANALYSIS	:	: PACKAGE ASSOCIATED WITH THIS EQUIPMENT.
RADIATION	: 2E08	: 1E10	: ANALYSIS	:	:
CHEM SPRAY	: 2000PPM	: 2000 PPM	: ANALYSIS	:	:
	: H2BO3	: H2BO3/30%NAOH	:	:	:
OPE TME MN	: CONT.	: CONT.	: ANALYSIS	:	:
QUAL. LIFE	: 40 YRS.	: 40 YRS.	: ANALYSIS	:	:
SUBMERGENCE	: N/A	: N/A	: N/A	:	:

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR WIRING DIAGRAM NO.	SCHEMATIC DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
1RFO27	RF	ISOLATION PLUG VALVE	F/L2795	T/X 2IN.-066BW	AUX					0383 A13C	N/A	N/A	AC3B18
2RFO27	RF	ISOLATION PLUG VALVE	F/L2795	T/X 2IN.-066BW	AUX					0383 A13C	N/A	N/A	AC3B18

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AC3B18

SPEC. NUM.: F/L2718-1

SYSTEM : RF

SAFETY CAT: A

FUNCTION : CONTAINMENT ISOLATION

ENVR ZONE : A13C

COMP/EQUIP: ISOLATION PLUG VALVE

MANUF. : TUFLINE/XOMOX

MODEL SUPP: 4 IN.-066BW, 2 IN.-066SW

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	130	250	ANALYSIS	SEE REMARKS	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB050 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	AC3B18
PRESS PSIG	-0.018 TO 0.0	233	ANALYSIS			
REL HUMID %	90	100	ANALYSIS			
RADIATION	1E07	2E08	ANALYSIS			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	ANALYSIS			
QUAL. LIFE	40 YRS.	40 YRS.	ANALYSIS			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
1PS9354B	PS	SOLENOID	F/L2702	ASC NP8320A183E	ALX	013	VX	0379	A13C	6/20E-1-3312 6/20E- 6/20E-1-4552C	1PS056	A	AC3C05
1PS9355B	PS	SOLENOID	F/L2702	ASC NP8320A183E	AUX	013	VX	0379	A13C	6/20E-1-3312 6/20E- 6/20E-1-4552C	1PS069	A	AC3C05
1PS9356B	PS	SOLENOID	F/L2702	ASC NP8320A183E	AUX	013	VX	0379	A13C	6/20E-1-3312 6/20E- 6/20E-1-4552D	1PS082	A	AC3C05
1PS9357B	PS	SOLENOID	F/L2702	ASC NP8320A183E	AUX	013	VX	0379	A13C	6/20E-1-3312 6/20E- 6/20E-1-4552D	1PS095	A	AC3C05
1RY8025	RY	SOLENOID	F/L2702	ASC NP8320A183E	AUX	013	VX	0394	A13C	6/20E-1-3325 6/20E- 6/20E-1-4842B	1RY216	A	AC3C05
2PS9354B	PS	SOLENOID	F/L2702	ASC NP8320A183E	AUX	023	WX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4552C	2PS056	A	AC3C05
2PS9355B	PS	SOLENOID	F/L2702	ASC NP8320A183E	AUX	023	WX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4552C	2PS069	A	AC3C05
2PS9356B	PS	SOLENOID	F/L2702	ASC NP8320A183E	AUX	023	WX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4552D	2PS083	A	AC3C05
2PS9357B	PS	SOLENOID	F/L2702	ASC NP8320A183E	AUX	023	WX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4552D	2PS096	A	AC3C05
2RY8025	RY	SOLENOID	F/L2702	ASC NP8320A183E	AUX	023	WX	0394	A13C	6/20E-2-3325 6/20E- 6/20E-2-4842B	2RY216	A	AC3C05

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AC3C05

SPEC. NUM.: F/L2702

SYSTEM : RY,PS

SAFETY CAT: A

FUNCTION : CONTAINMENT ISOLATION

ENVR ZONE : A13C

COMP/EQUIP: SOLENOID OPERATED VALVE

MANUF. : ASCO

MODEL SUPP: NP8320A183E

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE		NUMBER
TEMP DEG F	130	420 MAX	TYPE TEST	WESTINGHOUSE EQUIP. QUAL. TEST REPORT H02A/H05A.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQDP-HE-2/5 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	AC3C05
PRESS PSIG	0	57	TYPE TEST			
REL HUMID %	90	100	TYPE TEST			
RADIATION	1E07	2.05E08	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME M ¹	SHORT	CONT.	TEST/ANALYSIS			
QUAL. LIFE	40 YRS.	14 YRS.	TEST/ANALYSIS			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION --- BDG COL ROW ELEV	ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NG/ PANEL NO	O588 CAT.	COMPUTER NUMBER
1CC9437A	CC	SOLENOID	F/L2702	ASC NP831654E	AUX 013 VX 0387	A13C	6/20E-1-3325 6/20E- 6/20E-1-4843B	1CC071	A	AC3C07
1CC9437B	CC	SOLENOID	F/L2702	ASC NP831654E	AUX 012 UX 0395	A13C	6/20E-1-3322 6/20E- 6/20E-1-4843A	1CC076	A	AC3C07
1CV8152	CV	SOLENOID	F/L2702	ASC NP831654E	AUX 012 UX 0391	A13C	6/20E-1-3324 6/20E- 6/20E-1-4848J	1CV325	A	AC3C07
1RE9157	RE	SOLENOID	F/L2702	ASC NP831654E	AUX 012 UX 0379	A13C	6/20E-1-3312 6/20E- 6/20E-1-4841B	1RE043	A	AC3C07
1RE9159B	RE	SOLENOID	F/L2702	ASC NP831654E	AUX 012 UX 0379	A13C	6/20E-1-3312 6/20E- 6/20E-1-4841B	1RE057	A	AC3C07
1RE9160B	RE	SOLENOID	F/L2702	ASC NP831654E	AUX 012 UX 0379	A13C	6/20E-1-3312 6/20E- 6/20E-1-4841B	1RE068	A	AC3C07
1RE9170	RE	SOLENOID	F/L2702	ASC NP831654E	AUX 013 VX 0403	A13C	6/20E-1-3332D 6/20E- 6/20E-1-4439	1RE039	A	AC3C07
1RY8028	RY	SOLENOID	F/L2702	ASC NP831654E	AUX 012 UX 0387	A13C	6/20E-1-3322 6/20E- 6/20E-1-4843A	1RY282	A	AC3C07
1RY8033	RY	SOLENOID	F/L2702	ASC NP831654E	AUX 013 VX 0394	A13C	6/20E-1-3325 6/20E- 6/20E-1-4842A	1RY299	A	AC3C07
1SI8880	SI	SOLENOID	F/L2702	ASC NP831654E	AUX 012 UX 0375	A13C	6/20E-1-3312 6/20E- 6/20E-1-4840H	1SI376	A	AC3C07
1SI8888	SI	SOLENOID	F/L2702	ASC NP831654E	AUX 012 VX 0386	A13C	6/20E-1-3325 6/20E- 6/20E-1-4840H	1SI396	A	AC3C07

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					BDG	COL	ROW						
1SI8964	SI	SOLENOID	F/L2702	ASC NP831654E	AUX	012	UX	0374	A13C	6/20E-1-3312 6/20E- 6/20E-1-4840A	1SI432	A	AC3C07
2CC9437A	CC	SOLENOID	F/L2702	ASC NP831654E	AUX	021	VX	0383	A13C	6/20E-2-3325 6/20E- 6/20E-2-4843B	2CC071	A	AC3C07
2CC9437B	CC	SOLENOID	F/L2702	ASC NP831654E	AUX	024	UX	0383	A13C	6/20E-2-3322 6/20E- 6/20E-2-4843A	2CC076	A	AC3C07
2CV8152	CV	SOLENOID	F/L2702	ASC NP831654E	AUX	024	XX	0383	A13C	6/20E- 6/20E- 6/20E-2-4848J	2CV325	A	AC3C07
2RE9157	RE	SOLENOID	F/L2702	ASC NP831654E	AUX	024	UX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4341B	2RE043	A	AC3C07
2RE9159B	RE	SOLENOID	F/L2702	ASC NP831654E	AUX	024	UX	0364	A13C	6/20E- 6/20E- 6/20E-2-4841B	2RE057	A	AC3C07
2RE9160B	RE	SOLENOID	F/L2702	ASC NP831654E	AUX	024	UX	0364	A13C	6/20E- 6/20E- 6/20E-2-4841B	2RE068	A	AC3C07
2RE9170	RE	SOLENOID	F/L2702	ASC NP831654E	AUX	024	WX	0363	A13C	6/20E- 6/20E- 6/20E-2-4439A	2RE039	A	AC3C07
2RY8028	RY	SOLENOID	F/L2702	ASC NP831654E	AUX	024	UX	0388	A13C	6/20E-2-3322 6/20E- 6/20E-2-4843A	C 2RY282	A	AC3C07
2RY8033	RY	SOLENOID	F/L2702	ASC NP831654E	AUX				A13C	6/20E- 6/20E- 6/20E-2-4842A	2RY299	A	AC3C07
2SI8880	SI	SOLENOID	F/L2702	ASC NP831654E	AUX	024	UX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4840H	2SI376	A	AC3C07

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
2SI8888	SI	SOLENOID	F/L2702	ASC NP831654E	AUX	O23	VX	0386	A13C	6/20E-2-3325 6/20E- 6/20E-2-4840H	2SI396	A	AC3C07
2SI8964	SI	SOLENOID	F/L2702	ASC NP831654E	AUX	O24	UX	0383	A13C	6/20E- 6/20E- 6/20E-2-4840A	2SI432	A	AC3C07

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AC3C07

SPEC. NUM.: F/L2702

SYSTEM : RY,SI,RE,CC,CV

SAFETY CAT: A

FUNCTION : CONTAINMENT ISOLATION

ENVR ZONE : A13C

COMP/EQUIP: SOLENOID OPERATED VALVE

MANUF. : ASCO

MODEL SUPP: NP831654E

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	COMP
PARAMETER	PLT DES	QUALIFICATION	DOCUMENT REFERENCE	NUMBER
		METHOD		
TEMP DEG F	130	420 MAX	TYPE TEST : WESTINGHOUSE EQUIP. QUAL. : REFER TO ENVIRONMENTAL QUALIFICATION BINDER : AC3C07	
			: TEST REPORT H02A/H05A. : NO. EQDP-HE-2/5 FOR COMPLETE DOCUMENTATION	
PRESS PSIG	0	57	TYPE TEST : PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	90	100	TYPE TEST	
RADIATION	1E07	2.05E08	TYPE TEST	
CHEM SPRAY	N/A	N/A	N/A	
OPE TME MN	SHORT	CONT.	TEST/ANALYSIS	
QUAL. LIFE	40 YRS.	14 YRS.	TEST/ANALYSIS	
SUBMERGENCE	N/A	N/A	N/A	

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
1CS010A	CS	SOLENOID	F/L2793	ASC NP-8320A186E	AUX	O15	WX	0346	A13C	6/20E-1-3302 6/20E- 6/20E-1-4385	1CS101	A	AC3C12
1CS010B	CS	SOLENOID	F/L2793	ASC NP-8320A186E	AUX	O13	XX	0343	A13C	6/20E-1-3304 6/20E- 6/20E-1-4385	1CS102	A	AC3C12
1FP010	FP	SOLENOID	F/L2793	ASC NP-8320A186E	AUX	O12	VX	0391	A13C	6/20E-1-3322 6/20E- 6/20E-1-4967B	1FP036	A	AC3C12
1PRO01A	PR	SOLENOID	F/L2793	ASC NP-8320A186E	AUX	C13	XX	0377	A13C	6/20E-1-3324 6/20E- 6/20E-1-4903A	1PR165	A	AC3C12
1PRO01B	PR	SOLENOID	F/L2793	ASC NP-8320A186E	AUX	O13	XX	0377	A13C	6/20E-1-3324 6/20E- 6/20E-1-4903A	1PR171	A	AC3C12
1SA032	SA	SOLENOID	F/L2793	ASC NP-8320A186E	AUX	O12	UX	0383	A13C	6/20E-1-3322 6/20E- 6/20E-1-4571D	1SA026	A	AC3C12
2CS010A	CS	SOLENOID	F/L2793	ASC NP-8320A186E	AUX	O21	VX	0343	A13C	6/20E-2-3302 6/20E- 6/20E-2-4385	2CS101	A	AC3C12
2CS010B	CS	SOLENOID	F/L2793	ASC NP-8320A186E	AUX	O23	XX	0343	A13C	6/20E-2-3304 6/20E- 6/20E-2-4385	2CS102	A	AC3C12
2FP010	FP	SOLENOID	F/L2793	ASC NP-8320A186E	AUX	O23	VX	0383	A13C	6/20E-2-3322 6/20E- 6/20E-2-4967B	2FP036	A	AC3C12
2PRO01A	PR	SOLENOID	F/L2793	ASC NP-8320A186E	AUX	O23	XX	0377	A13C	6/20E-2-3324 6/20E- 6/20E-2-4903A	2PR165	A	AC3C12
2PRO01B	PR	SOLENOID	F/L2793	ASC NP-8320A186E	AUX	O23	XX	0377	A13C	6/20E-2-3324 6/20E- 6/20E-2-4903A	2PR171	A	AC3C12

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR	SCHMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER	
2SAO32	SA	SOLENDID	F/L2793	ASC NP-8320A186E	AUX	O24	UX	O383	A13C	6/20E-2-3322	2SAO26	A	AC3C12
										6/20E-			
										6/20E-2-4571D			

SARGENT & LUNDY ENGINEERS
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AC3C12

SPEC. NUM.: F/L2793

SYSTEM : SA,CS,PR,FP

SAFETY CAT: A

FUNCTION : CONTAINMENT ISOLATIION

ENVR ZONE : A13C

COMP/EQUIP: SOLENOID OPERATED VALVE

MANUF. : ASCO

MODEL SUPP: NP-8320A186E

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER : PLT DES	QUALIFICATION :	METHOD :	DOCUMENT REFERENCE :	NUMBER :
TEMP DEG F : 130	: 348	: TYPE TEST	: ASCO TEST REPORT NO. AQR : REFER TO ENVIRONMENTAL QUALIFICATION BINDER	: AC3C12 :
PRESS PSIG : -0.5 TO :	: 56	: TYPE TEST	: 67368,REV.0,DATED 03-02-82. : NO. EQ-BB026 FOR COMPLETE DOCUMENTATION	: :
: 0 IN.WG :	:	:	: PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	: :
REL HUMID % : 90	: 100/STEAM	: TYPE TEST	:	: :
RADIATION : 1E07	: 2.05E08	: TYPE TEST	:	: :
CHEM SPRAY : N/A	: 0.7 GPM/	: N/A	:	: :
DPE TME MN : SHORT	: SQ.FT.	:	:	: :
QUAL. LIFE : 40 YRS	: CONT.	: TYPE TEST	:	: :
SUBMERGENCE : N/A	: 40.0 YRS	: TYPE TEST	: 40 YEARS LIFE IS BASED UPON REPLACING THE	: :
:	: N/A	: N/A	: ELASTOMERS & SOLENOID COILS BASED ON AMBIENT	: :
:	:	:	: TEMPERATURE.	: :

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
1IA065	IA	SOLENOID	F/L2794-1	ASC NP8320A187E	AUX	012	XX	0391	A13C	6/20E-1-3324 6/20E- 6/20E-1-4848Q	1IA014	A	AC3C13
2IA065	IA	SOLENOID	F/L2794-1	ASC NP8320A187E	AUX	023	XX	0391	A13C	6/20E- 6/20E- 6/20E-2-4848Q	2IA014	A	AC3C13

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AC3C13

SPEC. NUM.: F/L2794-1

SYSTEM : IA

SAFETY CAT: A

FUNCTION : FEEDWATER ISOLATION

ENVR ZONE : A13C

COMP/EQUIP: SOLENOID OPERATED VALVE

MANUF. : ASCO

MODEL SUPP: NP8320A187E

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	COMP		
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	REMARKS	NUMBER
TEMP DEG F	130	348	TYPE TEST	ASCO TEST REPORT NO. AQR 67368, REV. O, DATED 03-02-82.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB026 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	AC3C13
PRESS PSIG	-0.5 TO 0 IN. WG	56	TYPE TEST			
REL HUMID %	90	100/STEAM	TYPE TEST			
RADIATION	1E07	2.05E08	TYPE TEST			
CHEM SPRAY	N/A	0.7 GPM/ SQ. FT.	N/A			
OPE TME MN	SHORT	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS	40.0 YRS	TYPE TEST		40 YEARS LIFE IS BASED UPON REPLACING THE ELASTOMERS & SOLENOID COILS BASED ON AMBIENT TEMPERATURE.	
SUBMERGENCE	N/A	N/A	NONE			

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1RF027	RF	SOLENOID	F/L2795	ASC NP8320A184E	AUX	O13	VX	O383	A13C	6/20E-1-3322 6/20E- 6/20E-1-4847	1RF020	A	AC3C04
2RF027	RF	SOLENOID	F/L2795	ASC NP8320A184E	AUX	O23	VX	O383	A13C	6/20E-2-3322 6/20E- 6/20E-2-4847	2RF020	A	AC3C04

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AC3C04

SPEC. NUM.: F/L2795

SYSTEM : RF

SAFETY CAT: A

FUNCTION : VALVE OPERATOR

ENVR ZONE : A13C

COMP/EQUIP: SOLENOID OPERATED VALVE

MANUF. : ASCO

MODEL SUPP: NP8320A184E

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	COMP		
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	REMARKS	NUMBER
TEMP DEG F	130	348	TYPE TEST	ASCO TEST REPORT NO. AQR	REFER TO ENVIRONMENTAL QUALIFICATION BINDER	AC3C04
PRESS PSIG	-0.5 TO	56	TYPE TEST	67368, REV. 0, DATED 03/02/82	NO. EQ-BB026 FOR COMPLETE DOCUMENTATION	
REL HUMID %	90	100	TYPE TEST		PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
RADIATION	1E07	2.05E08	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT./	CONT./	TYPE TEST			
QUAL. LIFE	40 YRS	13.8/40	TEST/ANALYSIS		40 YEARS LIFE IS BASED UPON REPLACING THE	
SUBMERGENCE	N/A	N/A	N/A		ELASTOMERS & SOLENOID COILS DEPENDING ON	
					AMBIENT TEMPERATURE.	

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW					
1CSO1PA	CS	CNT. WATER SPRAY PUMP	F/L2758B	I/R 8423WDF	AUX		0346	A13C		N/A	N/A	AC3G02
1CSO1PB	CS	CNT. WATER SPRAY PUMP	F/L2758B	I/R 8423WDF	AUX		0343	A13C		N/A	N/A	AC3G02
2CSO1PA	CS	CNT. WATER SPRAY PUMP	F/L2758B	I/R 8423WDF	AUX		0346	A13C	N/A	N/A	N/A	AC3G02
2CSO1PB	CS	CNT. WATER SPRAY PUMP	F/L2758B	I/R 8423WDF	AUX		0343	A13C	N/A	N/A	N/A	AC3G02

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AC3G02

SPEC. NUM.: F/L2758B

SYSTEM : CS

SAFETY CAT: N/A

FUNCTION : PUMP BORATED WATER TO SPRAY NOZZLES

ENVR ZONE : A13C

COMP/EQUIP: CONTAINMENT WATER SPRAY PUMP

MANUF. : INGERSOLL RAND CO.

MODEL SUPP: 8X23 WDF CERTRIFUGAL

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT PARAMETER	PLT DES	QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	130	290	ANALYSIS	N/A	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. CQD-006151 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	AC3G02
PRESS PSIG	-.018 TO 0.0	350	ANALYSIS			
REL HUMID %	90	100	ANALYSIS			
RADIATION	1E07	5E07	ANALYSIS			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	INTER.	INTER.				
QUAL. LIFE	40 YRS.	40 YRS.	ANALYSIS			
SUBMERGENCE	N/A	N/A	N/A			

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					BDG	COL	ROW					
1VA02CA	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX		0346	A13C				AC3G04
1VA02CB	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX		0346	A13C				AC3G04
1VA02CC	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX		0346	A13C				AC3G04
1VAC2CD	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX		0346	A13C				AC3G04
1VA03CA	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX		0346	A13C				AC3G04
1VA03CB	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX		0346	A13C				AC3G04
1VA03CC	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX		0346	A13C				AC3G04
1VA03CD	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX		0346	A13C				AC3G04
1VA03CE	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX		0346	A13C				AC3G04
1VA03CF	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX		0346	A13C				AC3G04
1VA03CG	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX		0346	A13C				AC3G04

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
1VA03CH	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX				0346	A13C			AC3G04
1VA04CA	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX				0364	A13C			AC3G04
1VA04CB	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX				0364	A13C			AC3G04
1VA04CC	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX				0364	A13C			AC3G04
1VA04CD	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX				0364	A13C			AC3G04
1VA05CA	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX				0364	A13C			AC3G04
1VA05CB	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX				0364	A13C			AC3G04
1VA06CA	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX				0364	A13C			AC3G04
1VA06CB	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX				0364	A13C			AC3G04
1VA06CC	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX				0364	A13C			AC3G04
1VA06CD	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX				0364	A13C			AC3G04

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW					
2VAO2CA	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX			0364	A13C			AC3G04
2VAO2CB	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX			0364	A13C			AC3G04
2VAO2CC	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX			0364	A13C			AC3G04
2VAO2CD	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX			0364	A13C			AC3G04
2VAO3CA	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX			0364	A13C			AC3G04
2VAO3CB	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX			0364	A13C			AC3G04
2VAO3CC	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX			0364	A13C			AC3G04
2VAO3CD	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX			0364	A13C			AC3G04
2VAO3CE	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX			0364	A13C			AC3G04
2VAO3CF	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX			0364	A13C			AC3G04
2VAO3CG	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX			0364	A13C			AC3G04

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			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW					
2VAO3CH	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX			0364	A13C			AC3G04
2VAO4CA	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX			0364	A13C			AC3G04
2VAO4CB	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX			0364	A13C			AC3G04
2VAO4CC	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX			0364	A13C			AC3G04
2VAO4CD	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX			0364	A13C			AC3G04
2VAO5CA	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX			0364	A13C			AC3G04
2VAO5CB	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX			0364	A13C			AC3G04

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AC3G04

SPEC. NUM.: F/L2900

SYSTEM : VA

SAFETY CAT: N/A

FUNCTION : SUPPLY AIR MOVEMENT

ENVR ZONE : A13C

COMP/EQUIP: AUX. BLDG. HVAC PUMP CUBICLE COOLER FAN

MANUF. : TRANE

MODEL SUPP:

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT PARAMETER	PLT DES	QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	130	N/A	N/A	N/A	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. CQD- N/A FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	AC3G04
PRESS PSIG	-0.018 TO 0.0	SEE REMARKS	SEE REMARKS		ITEMS DO NOT CONTAIN ANY NON-METALLIC COMPONENTS; THEREFORE NO E.G. IS REQUIRED. NO BINDER IS REQUIRED.	
REL HUMID %	90					
RADIATION	1E07					
CHEM SPRAY	N/A					
OPE TME MN	CONT.					
QUAL. LIFE	40 YRS.					
SUBMERGENCE	N/A					

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG	TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER		
						BDG	COL	ROW							
1VA02CA	VA	AUX BLDG HVAC RH PUMP CUBICAL COOLER FAN 1A	F/L2900	WEC	003 HP	CLASS H INSULAT	AUX	013	UX	0346	A13C	6/20E-1-3302 6/20E- 6/20E-1-4661D	C 1VA063	A	AC3A22
1VA02CB	VA	AUX BLDG HVAC RH PUMP CUBICAL COOLER FAN 1B	F/L2900	WEC	003 HP	CLASS H INSULAT	AUX	013	UX	0346	A13C	6/20E-1-3302 6/20E- 6/20E-1-4669B	C 1VA148	A	AC3A22
1VA02CC	VA	AUX BLDG HVAC RH PUMP CUBICAL COOLER FAN 1C	F/L2900	WEC	003 HP	CLASS H INSULAT	AUX	013	XX	0346	A13C	6/20E-1-3304 6/20E- 6/20E-1-4681E	C 1VA066	A	AC3A22
1VA02CD	VA	AUX BLDG HVAC RH PUMP CUBICAL COOLER FAN 1D	F/L2900	WEC	003 HP	CLASS H INSULAT	AUX	013	XX	0346	A13C	6/20E-1-3304 6/20E- 6/20E-1-4687K	C 1VA152	A	AC3A22
1VA03CA	VA	AUX BLDG HVAC CS PUMP CUBICAL COOLER FAN 1A	F/L2900	WEC	003 HP	CLASS H INSULAT	AUX	014	WX	0346	A13C	6/20E-1-3302 6/20E- 6/20E-1-4661H	C 1VA069	A	AC3A22
1VA03CB	VA	AUX BLDG HVAC CS PUMP CUBICAL COOLER FAN 1B	F/L2900	WEC	003 HP	CLASS H INSULAT	AUX	014	VX	0346	A13C	6/20E-1-3302 6/20E- 6/20E-1-4661H	C 1VA128	A	AC3A22
1VA03CC	VA	AUX BLDG HVAC CS PUMP CUBICAL COOLER FAN 1C	F/L2900	WEC	003 HP	CLASS H INSULAT	AUX	014	WX	0346	A13C	6/20E-1-3302 6/20E- 6/20E-1-4665A	C 1VA131	A	AC3A22
1VA03CD	VA	AUX BLDG HVAC CS PUMP CUBICAL COOLER FAN 1D	F/L2900	WEC	003 HP	CLASS H INSULAT	AUX	014	WX	0346	A13C	6/20E-1-3302 6/20E- 6/20E-1-4665A	C 1VA156	A	AC3A22
1VA03CE	VA	AUX BLDG HVAC CS PUMP CUBICAL COOLER FAN 1E	F/L2900	WEC	003 HP	CLASS H INSULAT	AUX	013	XX	0343	A13C	6/20E-1-3304 6/20E- 6/20E-1-4681E	C 1VA072	A	AC3A22
1VA03CF	VA	AUX BLDG HVAC CS PUMP CUBICAL COOLER FAN 1F	F/L2900	WEC	003 HP	CLASS H INSULAT	AUX	013	XX	0343	A13C	6/20E-1-3304 6/20E- 6/20E-1-4681F	C 1VA189	A	AC3A22
1VA03CG	VA	AUX BLDG HVAC CS PUMP CUBICAL COOLER FAN 1G	F/L2900	WEC	003 HP	CLASS H INSULAT	AUX	013	XX	0343	A13C	6/20E-1-3304 6/20E- 6/20E-1-4687K	C 1VA190	A	AC3A22

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					BDG	COL	ROW						
1VA03CH	VA	AUX BLDG HVAC CS PUMP CUBICAL COOLER FAN 1H	F/L2900	WEC 003 HP	CLASS H INSULAT	AUX 013	XX	0343	A13C	6/20E-1-3304 6/20E- 6/20E-1-4687K	C 1VA160	A	AC3A22
1VA04CA	VA	AUX BLDG HVAC SI PUMP CUBICAL COOLER FAN 1A	F/L2900	WEC 003 HP	CLASS H INSULAT	AUX 016	QX	0364	A13C	6/20E-0-3314 6/20E- 6/20E-1-4661G	C 1VA045	A	AC3A22
1VA04CB	VA	AUX BLDG HVAC SI PUMP CUBICAL COOLER FAN 1B	F/L2900	WEC 003 HP	CLASS H INSULAT	AUX 016	QX	0364	A13C	6/20E-0-3314 6/20E- 6/20E-1-4665A	C 1VA041	A	AC3A22
2VA02CA	VA	AUX BLDG HVAC RH PUMP CUBICLE COOLER FAN 2A	F/L2900	WEC 003 HP	CLASS H INSULAT	AUX 023	UX	0346	A13C	6/20E-2-3302 6/20E- 6/20E-2-4661D	C 2VA063	A	AC3A22
2VA02CB	VA	AUX BLDG HVAC RH PUMP CUBICLE COOLER FAN 2B	F/L2900	WEC 003 HP	CLASS H INSULAT	AUX 023	UX	0346	A13C	6/20E-2-3302 6/20E- 6/20E-2-4669B	C 2VA148	A	AC3A22
2VA02CC	VA	AUX BLDG HVAC RH PUMP CUBICLE COOLER FAN 2C	F/L2900	WEC 003 HP	CLASS H INSULAT	AUX 023	YX	0343	A13C	6/20E-2-3304 6/20E- 6/20E-2-4681E	C 2VA066	A	AC3A22
2VA02CD	VA	AUX BLDG HVAC RH PUMP CUBICLE COOLER FAN 2D	F/L2900	WEC 003 HP	CLASS H INSULAT	AUX 023	YX	0343	A13C	6/20E-2-3304 6/20E- 6/20E-2-4687K	C 2VA152	A	AC3A22
2VA03CA	VA	AUX BLDG HVAC CS PUMP CUBICLE COOLER FAN 2A	F/L2900	WEC 003 HP	CLASS H INSULAT	AUX 021	WX	0346	A13C	6/20E-2-3302 6/20E- 6/20E-2-4661H	C 2VA069	A	AC3A22
2VA03CB	VA	AUX BLDG HVAC CS PUMP CUBICLE COOLER FAN 2B	F/L2900	WEC 003 HP	CLASS H INSULAT	AUX 023	WX	0346	A13C	6/20E-2-3302 6/20E- 6/20E-2-4661H	C 2VA128	A	AC3A22
2VA03CC	VA	AUX BLDG HVAC CS PUMP CUBICLE COOLER FAN 2C	F/L2900	WEC 003 HP	CLASS H INSULAT	AUX 021	WX	0346	A13C	6/20E-2-3302 6/20E- 6/20E-2-4665A	C 2VA131	A	AC3A22
2VA03CD	VA	AUX BLDG HVAC CS PUMP CUBICLE COOLER FAN 2D	F/L2900	WEC 003 HP	CLASS H INSULAT	AUX 023	WX	0346	A13C	6/20E-2-3302 6/20E- 6/20E-2-4665A	C 2VA156	A	AC3A22

SARGENT & LUNDY ENGINEERS
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						BDG	COL	ROW	ELEV						
2VA03CE	VA	AUX BLDG HVAC CS PUMP CUBICLE COOLER FAN 2E	F/L2900	WEC	003 HP	CLASS H INSULAT	AUX	023	XX	0343	A13C	6/20E-2-3304 6/20E- 6/20E-2-4681E	C 2VA072	A	AC3A22
2VA03CF	VA	AUX BLDG HVAC CS PUMP CUBICLE COOLER FAN 2F	F/L2900	WEC	003 HP	CLASS H INSULAT	AUX	023	XX	0343	A13C	6/20E-2-3304 6/20E- 6/20E-2-4681E	C 2VA189	A	AC3A22
2VA03CG	VA	AUX BLDG HVAC CS PUMP CUBICLE COOLER FAN 2G	F/L2900	WEC	003 HP	CLASS H INSULAT	AUX	023	XX	0343	A13C	6/20E-2-3304 6/20E- 6/20E-2-4687K	C 2VA190	A	AC3A22
2VA03CH	VA	AUX BLDG HVAC CS PUMP CUBICLE COOLER FAN 2H	F/L2900	WEC	003 HP	CLASS H INSULAT	AUX	023	XX	0343	A13C	6/20E-2-3304 6/20E- 6/20E-2-4687K	C 2VA160	A	AC3A22
2VA04CA	VA	AUX BLDG HVAC SI PUMP CUBICLE COOLER FAN 2A	F/L2900	WEC	003 HP	CLASS H INSULAT	AUX	020	QX	0364	A13C	6/20E-0-3314 6/20E- 6/20E-2-4661G	C 2VA045	A	AC3A22
2VA04CB	VA	AUX BLDG HVAC SI PUMP CUBICLE COOLER FAN 2B	F/L2900	WEC	003 HP	CLASS H INSULAT	AUX	020	QX	0364	A13C	6/20E-0-3314 6/20E- 6/20E-2-4665A	C 2VA196	A	AC3A22
2VA04CC	VA	AUX BLDG HVAC SI PUMP CUBICLE COOLER FAN 2C	F/L2900	WEC	003 HP	CLASS H INSULAT	AUX	013	VX	0364	A13C	6/20E-2-3314 6/20E- 6/20E-2-4681D	C 2VA197	A	AC3A22
2VA04CD	VA	AUX BLDG HVAC SI PUMP CUBICLE COOLER FAN 2D	F/L2900	WEC	003 HP	CLASS H INSULAT	AUX	023	YX	0364	A13C	6/20E-2-3314 6/20E- 6/20E-2-4685C	C 2VA132	A	AC3A22
2VA06CC	VA	AUX BLDG HVAC CEN CHG PMP CUB COOLER FAN 2C	F/L2900	WEC	003 HP	CLASS H INSULAT	AUX	015	ZX	0364	A13C	6/20E-2-3314 6/20E- 6/20E-2-4681D	C 2VA201	A	AC3A22
2VA06CD	VA	AUX BLDG HVAC CEN CHG PMP CUB COOLER FAN 2D	F/L2900	WEC	003 HP	CLASS H INSULAT	AUX	023	YX	0364	A13C	6/20E-2-3314 6/20E- 6/20E-2-4685C	C 2VA140	A	AC3A22

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AC3A22

SPEC. NUM.: F/L2900

SYSTEM : VA

SAFETY CAT: A

FUNCTION : CUBICLE COOLERS

ENVR ZONE : A13C

COMP/EQUIP: MOTOR / HVAC PUMP CUBICLE COOLER FAN

MANUF. : WESTINGHOUSE

MODEL SUPP: 3HP CLASS H

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER
TEMP DEG F	130	130	TYPE TEST	WESTINGHOUSE ELECTRIC CORP. : REFER TO ENVIRONMENTAL QUALIFICATION BINDER	AC3A22
PRESS PSIG	ATM	ATM	TYPE TEST	QUALIFICATION DOCUMENT : NO. EQ-BB008 FOR COMPLETE DOCUMENTATION	
REL HUMID %	90	100	TYPE TEST	MM-9112 LAST REV. 1/15/82. : PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
RADIATION	1E07	2E08	TYPE TEST		
CHEM SPRAY	N/A	N/A	N/A		
OPE TME MN	CONT.	CONT.	TYPE TEST		
QUAL. LIFE	40	40	TYPE TEST		
SUBMERGENCE	N/A	N/A	N/A		

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					BDG	COL	ROW						
1CSO1PA-M	CS	CONTAINMENT SPRAY PUMP 1A MOTOR	F/L2719	WEC FRAME 5809P TYPE : LLD	AUX	014	VX	0346	A13C	6/20E-1-3302 6/20E- 6/20E-1-4611J	C 1CS001	A	AC3A27
1CSO1PB-M	CS	CONTAINMENT SPRAY PUMP 1B MOTOR	F/L2719	WEC FRAME 5809P TYPE : LLD	AUX	014	XX	0343	A13C	6/20E-1-3304 6/20E- 6/20E-1-4613H	C 1CS017	A	AC3A27
2CSO1PA-M	CS	CONTAINMNT SPRY PUMP 2A MOTOR	F/L2719	WEC FRAME 5809P TYPE : LLD	AUX	022	VX	0346	A13C	6/20E-2-3302 6/20E- 6/20E-2-4611P	C 2CS001	A	AC3A27
2CSO1PB-M	CS	CONTAINMNT SPRY PUMP 2B MOTOR	F/L2719	WEC FRAME 5809P TYPE : LLD	AUX	022	XX	0343	A13C	6/20E-2-3304 6/20E- 6/20E-2-4613P	C 2CS017	A	AC3A27

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AC3A27

SPEC. NUM.: F/L2719

SYSTEM : CS

SAFETY CAT: A

FUNCTION : CONTAINMENT SPRAY

ENVR ZONE : A13C

COMP/EQUIP: PUMP MOTOR

MANUF. : WESTINGHOUSE ELE. CO.

MODEL SUPP: TYPE LLD FRAME 5809P

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	130	133	TYPE TEST	WESTINGHOUSE REPORT NO. :WCAP-8754, REV. 1 AND NO.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB023 FOR COMPLETE DOCUMENTATION	AC3A27
PRESS PSIG	-0.5 TO 0 IN WG	0.0 PSIG	TYPE TEST	NS-I&CSL-82146.	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	90	90	TYPE TEST			
RADIATION	1E07	2E08	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	2 HRS.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	40 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

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					BDG	COL	ROW	ELEV	ZONE				
1CV01PB	CV	CENTRIFUGAL CHARGING PUMP 1B	F/L2702	WES S.O.75F32350	AUX	014	YX	0364	A13C	6/20E-1-3314 6/20E- 6/20E-1-4613K	C 1CV011	A	AC3A21
1RH01PA	RH	RESIDUAL HEAT REMOVAL PUMP 1A	F/L2702	WES S.O.74F12182	AUX	012	UX	0343	A13C	6/20E-1-3302 6/20E- 6/20E-1-4611D	C 1RH001	A	AC3A21
1RH01PB	RH	RESIDUAL HEAT REMOVAL PUMP 1B	F/L2702	WES S.O.74F12182	AUX	012	YX	0343	A13C	6/20E-1-3304 6/20E- 6/20E-1-4613D	C 1RH006	A	AC3A21
1SIO1PA	SI	SAFETY INJECTION PUMP 1A	F/L2702	WES S.O.74F18601	AUX	015	QX	0365	A13C	6/20E-0-3314 6/20E- 6/20E-1-4611C	C 1SIO01	A	AC3A21
1SIO1PB	SI	SAFETY INJEC INJECTION PUMP 1B	F/L2702	WES S.O.74F18601	AUX	012	YX	0365	A13C	6/20E-1-3314 6/20E- 6/20E-1-4613C	C 1SIO08	A	AC3A21
2CV01PB	CV	CNTRFGL CHRNGNG PUMP 2B	F/L2702	WES S.O.75F32350	AUX	022	ZX	0364	A13C	6/20E-2-3314 6/20E- 6/20E-2-4613M	C 2CV011	A	AC3A21
2RH01PA	RH	RESIDUAL HEAT REMOVAL PUMP 1A	F/L2702	WES S.O.74F12182	AUX	023	UX	0346	A13C	6/20E-2-3302 6/20E- 6/20E-2-4611U	C 2RH001	A	AC3A21
2RH01PB	RH	RESIDUAL HEAT REMOVAL PUMP 1B	F/L2702	WES S.O.74F12182	AUX	023	YX	0343	A13C	6/20E-2-3304 6/20E- 6/20E-2-4613T	C 2RH008	A	AC3A21
2SIO1PA	SI	SAFETY INJECT'N PUMP 2A	F/L2702	WES S.O.74F18601	AUX	021	QX	0364	A13C	6/20E-0-3314 6/20E- 6/20E-2-4611V	C 2SIO01	A	AC3A21
2SIO1PB	SI	SAFETY INJECT'N PUMP 2B	F/L2702	WES S.O.74F18601	AUX	023	ZX	0364	A13C	6/20E-2-3314 6/20E- 6/20E-2-4613U	C 2SIO08	A	AC3A21

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AC3A21

SPEC. NUM.: F/L2702

SYSTEM : CV,RH,SI

SAFETY CAT: A

FUNCTION : CENTRIFUGAL CHARGING, SAFETY INJECTION,
RESIDUAL HEAT REMOVAL

ENVR ZONE : A13C

COMP/EQUIP: LARGE PUMP MOTOR

MANUF. : WESTINGHOUSE

MODEL SUPP: LIFE LINED,TYPE LAC,MODEL HSDP & VSWI

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP	
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER	
TEMP DEG F	122	120	TYPE TEST	WESTINGHOUSE EQUIPMENT QUAL. TEST REPORT AO2A.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER : EQDP AE-2 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	AC3A21
PRESS PSIG	0	0	TYPE TEST			
REL HUMID %	90	95	TYPE TEST			
RADIATION	1E07	5E07	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TEST/ANALYSIS			
QUAL. LIFE	40 YRS.	5 YRS.	TEST/ANALYSIS			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR SCHEMATIC D*AGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW				
1LS-CS046A	CS	LEVEL SWITCH	F/L2906	BRN 581A	AUX					A	AC3E5Z
1LS-CS046B	CS	LEVEL SWITCH	F/L2906	BRN 581A	AUX					A	AC3E5Z
2LS-CS046A	CS	LEVEL SWITCH	F/L2906	BRN 581A	AUX					A	AC3E5Z
2LS-CS046B	CS	LEVEL SWITCH	F/L2906	BRN 581A	AUX					A	AC3E5Z

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AC3E5Z

SPEC. NUM.: F/L2906

SYSTEM : CS

SAFETY CAT: A

FUNCTION : SPRAY ADDITIVE TANK LEVEL

ENVR ZONE : A13C

COMP/EQUIP: LEVEL SWITCH

MANUF. : ITT/BARTON

MODEL SUPP: 581A

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	COMP
PARAMETER	PLT DES	QUALIFICATION	DOCUMENT REFERENCE	NUMBER
		METHOD		
TEMP DEG F	130	340	TYPE TEST : BARTON REPORT NO. R3-580A-9	REFER TO ENVIRONMENTAL QUALIFICATION BINDER : AC3E5Z
			: VOLUMES 1,2,3 & 4.	: NO. EQ-BB053 FOR COMPLETE DOCUMENTATION
PRESS PSIG	-0.5 TO	80	TYPE TEST : JIO SUBMITTED TO NRC, CECO	: PACKAGE ASSOCIATED WITH THIS EQUIPMENT.
	0 IN. WG		: LETTER OF 01/05/84.	
REL HUMID %	90	100	TYPE TEST	: JIO FOR PRESENTLY INSTALLED BARTON 288A
				: SUBMITTED TO NRC 01/05/84.
RADIATION	1E06	2E08	TYPE TEST	
CHEM SPRAY	N/A	N/A	N/A	
OPE TME MN	CONT.	CONT.	TYPE TEST	
QUAL. LIFE	40 YRS.	40 YRS.	TYPE TEST	
SUBMERGENCE	N/A	N/A	N/A	

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
1TS -VA003	VA	TEMP SWITCH	F/L2783	UEL C303D-103 TS502	AUX	013	SX	0343	A13C	6/20E-1-3302 6/20E- 6/20E-1-4471C	C 1VA151	A	AC3E13
1TS -VA004	VA	TEMP SWITCH	F/L2783	UEL C303D-103 TS502	AUX	013	XX	0343	A13C	6/20E-1-3304 6/20E- 6/20E-1-4471D	C 1VA155	A	AC3E13
1TS -VA005	VA	TEMP SWITCH	F/L2783	UEL C303D-103 TS503	AUX	013	YX	0343	A13C	6/20E-1-3302 6/20E- 6/20E-1-4471E	C 1VA159	A	AC3E13
1TS -VA006	VA	TEMP SWITCH	F/L2783	UEL C303D-103 TS503	AUX	013	XX	0343	A13C	6/20E-1-3304 6/20E- 6/20E-1-4471F	C 1VA163	A	AC3E13
1TS -VA007	VA	TEMP SWITCH	F/L2783	UEL C303D-103 TS503	AUX	016	QX	0364	A13C	6/20E-0-3314 6/20E- 6/20E-1-4471G	C 1VA045	A	AC3E13
1TS -VA008	VA	TEMP SWITCH	F/L2783	UEL C303D-103 TS503	AUX	012	YX	0364	A13C	6/20E-1-3314 6/20E- 6/20E-0-4471H	C 1VA135	A	AC3E13
1TS -VA011	VA	TEMP SWITCH	F/L2783	UEL C303D-103 TS504	AUX	013	YX	0364	A13C	6/20E-1-3314 6/20E- 6/20E-1-4471L	C 1VA143	A	AC3E13
2TS -VA003	VA	TEMP SWITCH	F/L2783	UEL C303D-103 TS502	AUX	021	UX	0346	A13C	6/20E-2-3302 6/20E- 6/20E-2-4471C	C 2VA151	A	AC3E13
2TS -VA004	VA	TEMP SWITCH	F/L2783	UEL C303D-103 TS502	AUX	021	YX	0343	A13C	6/20E-2-3304 6/20E- 6/20E-2-4471D	C 2VA155	A	AC3E13
2TS -VA005	VA	TEMP SWITCH	F/L2783	UEL C303D-103 TS503	AUX	021	VX	0346	A13C	6/20E-2-3302 6/20E- 6/20E-2-4465A	C 2VA159	A	AC3E13
2TS -VA006	VA	TEMP SWITCH	F/L2783	UEL C303D-103 TS503	AUX	021	XX	0343	A13C	6/20E-2-3304 6/20E- 6/20E-2-4156A	C 2VA163	A	AC3E13

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION --- BDG COL ROW ELEV ZONE	ENVR WIRING DIAGRAM NO.	SCHEMATIC DIAGRAM/ CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
21S -VA007	VA	TEMP SWITCH	F/L2783	UEL C303D-103 TS503	AUX 019 QX 0364 A13C	6/20E-0-3314 6/20E- 6/20E-2-4471G	C 2VA044	A	AC3E13
2TS -VA008	VA	TEMP SWITCH	F/L2783	UEL C303D-103 TS503	AUX 023 YX 0364 A13C	6/20E-2-3314 6/20E- 6/20E-2-4471H	C 2VA135	A	AC3E13
2TS -VA011	VA	TEMP SWITCH	F/L2783	UEL C303D-103 TS504	AUX 021 YX 0364 A13C	6/20E-2-3314 6/20E- 6/20E-2-4471L	C 2VA143	A	AC3E13

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AC3E13

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : COOLER AUTO CONTROL

ENVR ZONE : A13C

COMP/EQUIP: TEMPERATURE SWITCH

MANUF. : UNITED ELECTRIC

MODEL SUPP: C303D-103

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	130	130	TYPE TEST	1)AETC REP. NO. 15281 REV. 2 DATED 10/14/83.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB021 FOR COMPLETE DOCUMENTATION	AC3E13
PRESS PSIG	-0.5 TO 0 IN.WG	AMBIENT	TYPE TEST	2)AETC RETEST REP. NO. 18987-84N, DATED 12/21/83.	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	90	90	TYPE TEST			
RADIATION	1E07	1E07	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	5 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
1AP21E	AP	480V AUX BLD ESF MCC 131X1	F/L2755	WES FIVE STAR MCC	AUX	012	SX	0364	A13C	6/20E-1-3312 6/20E- 6/20E-1-4661D	C 1AF020	D	AC3F34
1AP21E-A	AP	480V AUX BLD MCC 131X1A	F/L2755	WES FIVE STAR MCC	AUX	012	SX	0364	A13C	6/20E-1-3312 6/20E- 6/20E-1-4661P	C 1SI525	D	AC3F34
2AP21E	AP	480V AUX BLD ESF MCC 231X1	F/L2755	WES FIVE STAR MCC	AUX	024	SX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4661J	C 2IP004	D	AC3F34
2AP21E-A	AP	480V AUX BLD ESF MCC 231X1A	F/L2755	WES FIVE STAR MCC	AUX	024	SX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4661P	C 2SI525	D	AC3F34

SARGENT & LUNDY ENGINEERS
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AC3F34

SPEC. NUM.: F/L2755

SYSTEM : AP

SAFETY CAT: D

FUNCTION : SUPPLY 480V POWER & CONTROL

ENVR ZONE : A13C

COMP/EQUIP: MOTOR CONTROL CENTER

MANUF. : WESTINGHOUSE

MODEL SUPP: FIVE STAR

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	114	117	TYPE TEST	WESTINGHOUSE REPORTS 11210- CCR-1 & 11211-CCR-1.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB093 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	AC3F34
PRESS PSIG	0	0	TYPE TEST			
REL HUMID %	45	45	TYPE TEST			
RADIATION	1E05	1.1E05	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	40 YRS.	TYPE TEST		40 YRS. QUALIFIED LIFE BASED UPON REPLACEMENT OF SOME COMPONENTS.	
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
1CC9437A		CC LIMIT SWITCH	F/L2702	NAM EA18011303	AUX	013	VX	0387	A13C	6/20E-1-3325 6/20E- 6/20E-1-4843B	1CC072	A	AC3D13
1CC9437B		CC LIMIT SWITCH	F/L2702	NAM EA18011303	AUX	012	UX	0395	A13C	6/20E-1-3322 6/20E- 6/20E-1-4843A	1CC077	A	AC3D13
1CV8152		CV LIMIT SWITCH	F/L2702	NAM EA18011303	AUX	012	XX	0391	A13C	6/20E-1-3324 6/20E- 6/20E-1-4848J	1CV326	A	AC3D13
1CV8804A		CV LIMIT SWITCH	F/L2702	NAM EA18012303	AUX	013	QX	0368	A13C	6/20E-1-3312 6/20E- 6/20E-1-4661J	1SI180	A	AC3D13
1PS9354B		PS LIMIT SWITCH	F/L2702	NAM EA18011303	AUX	013	VX	0376	A13C	6/20E-1-3312 6/20E- 6/20E-1-4552C	1PS057	A	AC3D13
1PS9355B		PS LIMIT SWITCH	F/L2702	NAM EA18011303	AUX	013	VX	0376	A13C	6/20E-1-3312 6/20E- 6/20E-1-4552C	1PS070	A	AC3D13
1PS9356B		PS LIMIT SWITCH	F/L2702	NAM EA18011303	AUX	013	VX	0376	A13C	3/20E-1-3312 6/20E- 6/20E-1-4552D	1PS083	A	AC3D13
1PS9357B		PS LIMIT SWITCH	F/L2702	NAM EA18011303	AUX	013	VX	0376	A13C	6/20E-1-3312 6/20E- 6/20E-1-4552D	1PS096	A	AC3D13
1RE9157		RE LIMIT SWITCH	F/L2702	NAM EA18014303	AUX	012	UX	0379	A13C	6/20E-1-3312 6/20E- 6/20E-1-4841B	1RE044	A	AC3D13
1RE9157		RE LIMIT SWITCH	F/L2702	NAM EA18015303	AUX	012	UX	0379	A13C	6/20E-1-3312 6/20E- 6/20E-1-4841B	1RE045	A	AC3D13
1RE9159B		RE LIMIT SWITCH	F/L2702	NAM EA18014303	AUX	012	UX	0379	A13C	6/20E-1-3312 6/20E- 6/20E-1-4841B	1RE058	A	AC3D13

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW					
1RE9159B	RE	LIMIT SWITCH	F/L2702	NAM EA18015303	AUX	012	UX	0379 A13C	6/20E-1-3312 6/20E- 6/20E-1-4841B	1RE059	A	AC3D13
1RE9160B	RE	LIMIT SWITCH	F/L2702	NAM EA18014303	AUX	012	UX	0379 A13C	6/20E-1-3312 6/20E- 6/20E-1-4841B	1RE069	A	AC3D13
1RE9160B	RE	LIMIT SWITCH	F/L2702	NAM EA18015303	AUX	012	UX	0379 A13C	6/20E-1-3312 6/20E- 6/20E-1-4841B	1RE070	A	AC3D13
1RE9170	RE	LIMIT SWITCH	F/L2702	NAM EA18014303	AUX	013	VX	0403 A13C	6/20E-1-3332D 6/20E- 6/20E-1-4439	1RE038	A	AC3D13
1RE9170	RE	LIMIT SWITCH	F/L2702	NAM EA18015303	AUX	013	VX	0403 A13C	6/20E-1-3332D 6/20E- 6/20E-1-4439	1RE040	A	AC3D13
1RY8025	RY	LIMIT SWITCH	F/L2702	NAM EA18011303	AUX	013	VX	0394 A13C	6/20E-1-3325 6/20E- 6/20E-1-4842B	1RY270	A	AC3D13
1RY8028	RY	LIMIT SWITCH	F/L2702	NAM EA18014303	AUX	012	UX	0397 A13C	6/20E-1-3322 6/20E- 6/20E-1-4843A	1RY283	A	AC3D13
1RY8028	RY	LIMIT SWITCH	F/L2702	NAM EA18015303	AUX	012	UX	0397 A13C	6/20E-1-3322 6/20E- 6/20E-1-4843A	1RY284	A	AC3D13
1RY8033	RY	LIMIT SWITCH	F/L2702	NAM EA18014303	AUX	013	VX	0394 A13C	6/20E-1-3325 6/20E- 6/20E-1-4842A	1RY301	A	AC3D13
1RY8033	RY	LIMIT SWITCH	F/L2702	NAM EA18015303	AUX	013	VX	0394 A13C	6/20E-1-3325 6/20E- 6/20E-1-4842A	1RY300	A	AC3D13
1SI8804B	SI	LIMIT SWITCH	F/L2702	NAM EA18012303	AUX	012	YX	0379 A13C	6/20E-1-3314 6/20E- 6/20E-1-4687E	1RH086	A	AC3D13

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
1SI8804B	SI	LIMIT SWITCH	F/L2702	NAM EA18012303	AUX	012	YX	0379	A13C	6/20E-1-3314 6/20E- 6/20E-1-4687E	1RH186	A	AC3D13
1SI8812A	SI	LIMIT SWITCH	F/L2702	NAM EA18012303	AUX	013	UX	0350	A13C	6/20E-1-3302 6/20E- 6/20E-1-4661Q	1SI071	A	AC3D13
1SI8812A	SI	LIMIT SWITCH	F/L2702	NAM EA18012303	AUX	013	UX	0350	A13C	6/20E-1-3302 6/20E- 6/20E-1-4661Q	1SI148	A	AC3D13
1SI8812B	SI	LIMIT SWITCH	F/L2702	NAM EA18012303	AUX	013	XX	0350	A13C	6/20E-1-3304 6/20E- 6/20E-1-4687M	1SI169	A	AC3D13
1SI8812B	SI	LIMIT SWITCH	F/L2702	NAM EA18012303	AUX	013	XX	0350	A13C	6/20E-1-3304 6/20E- 6/20E-1-4687M	1SI284	A	AC3D13
1SI8813	SI	LIMIT SWITCH	F/L2702	NAM EA18012303	AUX	014	VX	0378	A13C	6/20E-1-3312 6/20E- 6/20E-1-4687L	11CV409	A	AC3D13
1SI8814	SI	LIMIT SWITCH	F/L2702	NAM EA18012303	AUX	015	QX	0364	A13C	6/20E-0-3314 6/20E- 6/20E-1-4661N	1SI067	A	AC3D13
1SI8880	SI	LIMIT SWITCH	F/L2702	NAM EA18011303	AUX	012	UX	0375	A13C	6/20E-1-3312 6/20E- 6/20E-1-4840H	1SI377	A	AC3D13
1SI8888	SI	LIMIT SWITCH	F/L2702	NAM EA18011303	AUX	012	VX	0386	A13C	6/20E-1-3325 6/20E- 6/20E-1-4840H	1SI397	A	AC3D13
1SI8920	SI	LIMIT SWITCH	F/L2702	NAM EA18011303	AUX	012	YX	0365	A13C	6/20E-1-3314 6/20E- 6/20E-1-4661N	1SI066	A	AC3D13
1SI8964	SI	LIMIT SWITCH	F/L2702	NAM EA18011303	AUX	012	UX	0374	A13C	6/20E-1-3312 6/20E- 6/20E-1-4840A	1SI433	A	AC3D13

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O&B CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						
2CC9437A		CC LIMIT SWITCH	F/L2702	NAM EA18011303	AUX	021	VX	0383	A13C	6/20E-2-3325 C/20E- 6/20E-2-4843B	2CC071	A	AC3D13
2CC9437A		CC LIMIT SWITCH	F/L2702	NAM EA18012303	AUX	021	VX	0383	A13C	6/20E-2-3325 6/20E- 6/20E-2-4843B	2CC071	A	AC3D13
2CC9437B		CC LIMIT SWITCH	F/L2702	NAM EA18011303	AUX	024	UX	0383	A13C	6/20E-2-3322 6/20E- 6/20E-2-4843A	2CC076	A	AC3D13
2CC9437B		CC LIMIT SWITCH	F/L2702	NAM EA18012303	AUX	024	UX	0383	A13C	6/20E-2-3322 6/20E- 6/20E-2-4843A	2CC076	A	AC3D13
2CV8152		CV LIMIT SWITCH	F/L2702	NAM EA18011303	AUX	024	XX	0383	A13C	6/20E- 6/20E- 6/20E-2-4848J	2CV325	A	AC3D13
2CV8152		CV LIMIT SWITCH	F/L2702	NAM EA18012303	AUX	024	XX	0383	A13C	6/20E- 6/20E- 6/20E-2-4848J	2CV325	A	AC3D13
2CV8804A		CV LIMIT SWITCH	F/L2702	NAM EA18012303	AUX	021	SX	0364	A13C	6/20E- 6/20E- 6/20E-2-4661J	2CV406	A	AC3D13
2PS9354B		PS LIMIT SWITCH	F/L2702	NAM EA18011303	AUX	023	WX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4552C	2PS056	A	AC3D13
2PS9354B		PS LIMIT SWITCH	F/L2702	NAM EA18012303	AUX	023	WX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4552C	2PS056	A	AC3D13
2PS9355B		PS LIMIT SWITCH	F/L2702	NAM EA18011303	AUX	023	WX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4552C	2PS069	A	AC3D13
2PS9355B		PS LIMIT SWITCH	F/L2702	NAM EA18012303	AUX	023	WX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4552C	2PS069	A	AC3D13

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						
2PS9356B		PS LIMIT SWITCH	F/L2702	NAM EA18011303	AUX	023	WX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4552D	2PS083	A	AC3D13
2PS9356B		PS LIMIT SWITCH	F/L2702	NAM EA18012303	AUX	023	WX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4552D	2PS083	A	AC3D13
2PS9357B		PS LIMIT SWITCH	F/L2702	NAM EA18011303	AUX	023	WX	0364	A13C	6/20E- 6/20E- 6/20E-2-4552D	2PS096	A	AC3D13
2PS9357B		PS LIMIT SWITCH	F/L2702	NAM EA18012303	AUX	023	WX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4552D	2PS096	A	AC3D13
2RE9157		RE LIMIT SWITCH	F/L2702	NAM EA18014303	AUX	024	UX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4841B	2RE043	A	AC3D13
2RE9157		RE LIMIT SWITCH	F/L2702	NAM EA18015303	AUX	024	UX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4841B	2RE043	A	AC3D13
2RE9159B		RE LIMIT SWITCH	F/L2702	NAM EA18014303	AUX	024	UX	0364	A13C	6/20E- 6/20E- 6/20E-2-4841B	2RE057	A	AC3D13
2RE9159B		RE LIMIT SWITCH	F/L2702	NAM EA18015303	AUX	024	UX	0364	A13C	6/20E- 6/20E- 6/20E-2-4841B	2RE057	A	AC3D13
2RE9160B		RE LIMIT SWITCH	F/L2702	NAM EA18014303	AUX	024	UX	0364	A13C	6/20E- 6/20E- 6/20E-2-4841B	2RE068	A	AC3D13
2RE9160B		RE LIMIT SWITCH	F/L2702	NAM EA18015303	AUX	024	UX	0364	A13C	6/20E- 6/20E- 6/20E-2-4841B	2RE068	A	AC3D13
2RE9170		RE LIMIT SWITCH	F/L2702	NAM EA18014303	AUX	024	WX	0363	A13C	6/20E- 6/20E- 6/20E-2-4439A	2RE039	A	AC3D13

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
-----	---	-----	-----	-----	BDG	COL	ROW	ELEV	ZONE	-----	-----	-----	
2RE9170	RE	LIMIT SWITCH	F/L2702	NAM EA18015303	AUX	024	WX	0363	A13C	6/20E- 6/20E- 6/20E-2-4439A	2RE039	A	AC3D13
2RY8025	RY	LIMIT SWITCH	F/L2702	NAM EA18011303	AUX				A13C	6/20E-2-3325 6/20E- 6/20E-2-4842B	2RY216	A	AC3D13
2RY8025	RY	LIMIT SWITCH	F/L2702	NAM EA18012303	AUX				A13C	6/20E-2-3325 6/20E- 6/20E-2-4842B	2RY216	A	AC3D13
2RY8028	RY	LIMIT SWITCH	F/L2702	NAM EA18014303	AUX	024	UX	0388	A13C	6/20E-2-3322 6/20E- 6/20E-2-4843A	C 2RY282	A	AC3D13
2RY8028	RY	LIMIT SWITCH	F/L2702	NAM EA18015303	AUX	024	UX	0388	A13C	6/20E-2-3322 6/20E- 6/20E-2-4843A	C 2RY282	A	AC3D13
2RY8033	RY	LIMIT SWITCH	F/L2702	NAM EA18014303	AUX	023	WX	0394	A13C	6/20E- 6/20E- 6/20E-2-4842A	2RY299	A	AC3D13
2RY8033	RY	LIMIT SWITCH	F/L2702	NAM EA18015303	AUX	023	WX	0394	A13C	6/20E- 6/20E- 6/20E-2-4842A	2RY299	A	AC3D13
2SI8804B	SI	LIMIT SWITCH	F/L2702	NAM EA18012303	AUX	023	YX	0364	A13C	6/20E- 6/20E- 6/20E-2-4687E	2SI060	A	AC3D13
2SI8804B	SI	LIMIT SWITCH	F/L2702	NAM EA18012303	AUX	023	YX	0364	A13C	6/20E- 6/20E- 6/20E-2-4687E	2SI060	A	AC3D13
2SI8812A	SI	LIMIT SWITCH	F/L2702	NAM EA18012303	AUX	023	VX	0346	A13C	6/20E-2-3302 6/20E- 6/20E-2-4661Q	2SI165	A	AC3D13
2SI8812A	SI	LIMIT SWITCH	F/L2702	NAM EA18012303	AUX	023	VX	0346	A13C	6/20E-2-3302 6/20E- 6/20E-2-4661Q	2SI165	A	AC3D13

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
2SI8812B	SI	LIMIT SWITCH	F/L2702	NAM EA18012303	AUX	021	YX	0343	A13C	6/20E-2-3304 6/20E- 6/20E-	2SI171	A	AC3D13
2SI8813	SI	LIMIT SWITCH	F/L2702	NAM EA18011303	AUX	021	VX	0370	A13C	6/20E- 6/20E- 6/20E-2-4883D	2SI536	A	AC3D13
2SI8814	SI	LIMIT SWITCH	F/L2702	NAM EA18011303	AUX	021	QX	0364	A13C	6/20E-0-3314 6/20E- 6/20E-2-4883D	2SI537	A	AC3D13
2SI8880	SI	LIMIT SWITCH	F/L2702	NAM EA18011303	AUX	024	UX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4840H	2SI376	A	AC3D13
2SI8880	SI	LIMIT SWITCH	F/L2702	NAM EA18012303	AUX	024	UX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4840H	2SI376	A	AC3D13
2SI8888	SI	LIMIT SWITCH	F/L2702	NAM EA18011303	AUX	023	VX	0386	A13C	6/20E-2-3325 6/20E- 6/20E-2-4840H	2SI396	A	AC3D13
2SI8888	SI	LIMIT SWITCH	F/L2702	NAM EA18012303	AUX	023	VX	0386	A13C	6/20E-2-3325 6/20E- 6/20E-2-4840H	2SI396	A	AC3D13
2SI8920	SI	LIMIT SWITCH	F/L2702	NAM EA18011303	AUX	023	ZX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4883D	2SI539	A	AC3D13
2SI8964	SI	LIMIT SWITCH	F/L2702	NAM EA18011303	AUX	024	UX	0383	A13C	6/20E- 6/20E- 6/20E-2-4840A	2SI432	A	AC3D13
2SI8964	SI	LIMIT SWITCH	F/L2702	NAM EA18012303	AUX	024	UX	0383	A13C	6/20E- 6/20E- 6/20E-2-4840A	2SI432	A	AC3D13

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AC3D13

SPEC. NUM.: F/L2702

SYSTEM : SI,CV,CC,PS,RE,RY,SI

SAFETY CAT: A

FUNCTION : VALVE POSITION INDICATION/INTERLOCK

ENVR ZONE : A13C

COMP/EQUIP: LIMIT SWITCH

MANUF. : NAMCO

MODEL SUPP: 180XX303

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT FLT DES	QUALIFICATION QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	130	420 MAX	TYPE TEST	WESTINGHOUSE EQUIPMENT QUAL TEST REPORT H03A/H06A.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQDP-HE-3/6 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	AC3D13
PRESS PSIG	0	57	TYPE TEST			
REL HUMID %	90	100	TYPE TEST			
RADIATION	1E07	2E08	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TEST/ANALYSIS			
QUAL. LIFE	40 YRS.	14 YRS.	TEST/ANALYSIS			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
OFF428A		FP LIMIT SWITCH	F/L2718-2	NAM EA17031302	AUX	015	VX	0467	A13C	6/20E-0-3385 6/20E- 6/20E-0-4976A	1FP069	A	AC3D12
OFF428A		FP LIMIT SWITCH	F/L2718-2	NAM EA17032302	AUX	015	VX	0467	A13C	6/20E-0-3385 6/20E- 6/20E-0-4976A	1FP068	A	AC3D12
OFF428D		FP LIMIT SWITCH	F/L2718-2	NAM EA17031302	AUX	015	VX	0467	A13C	6/20E-0-3385 6/20E- 6/20E-0-4976	2FP069	A	AC3D12
OFF428D		FP LIMIT SWITCH	F/L2718-2	NAM EA17032302	AUX	015	VX	0467	A13C	6/20E-0-3385 6/20E- 6/20E-0-4976	2FP068	A	AC3D12
OFF428G		FP LIMIT SWITCH	F/L2718-2	NAM EA17031302	AUX	021	VX	0467	A13C	6/20E-0-3385 6/20E- 6/20E-0-4976B	2FP089	A	AC3D12
OFF428G		FP LIMIT SWITCH	F/L2718-2	NAM EA17032302	AUX	021	VX	0467	A13C	6/20E-0-3385 6/20E- 6/20E-0-4976B	1FP089	A	AC3D12

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AC3D12

SPEC. NUM.: F/L2718-2

SYSTEM : FP

SAFETY CAT: A

FUNCTION : PROVIDE POSITION INDICATION

ENVR ZONE : A13C

COMP/EQUIP: LIMIT SWITCH

MANUF. : NAMCO CONTROLS

MODEL SUPP: EA170 SERIES

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT :PLT DES:	QUALIFICATION :QUALIFICATION:	METHOD	QUALIFICATION : DOCUMENT	REFERENCE	REMARKS	COMP : NUMBER:
TEMP DEG F	: 130	: 194	: TYPE TEST	: NAMCO CONTROL'S REP. QTR107	: REFER TO ENVIRONMENTAL QUALIFICATION BINDER		: AC3D12:
PRESS PSIG	: -0.5 TO	: AMBIENT	: TYPE TEST	: REV. 0 DATED 03/11/81. &	: NO. EQ-BB055 FOR COMPLETE DOCUMENTATION		: :
REL HUMID %	: 90	: 100	: TYPE TEST	: REP. LP10767-2 REV. 4 DATED	: PACKAGE ASSOCIATED WITH THIS EQUIPMENT.		: :
RADIATION	: 1E07	: 2.04E08	: TYPE TEST	: 11/02/79.			: :
CHEM SPRAY	: N/A	: N/A	: N/A				: :
OPE TME MN	: CONT.	: CONT.	: TYPE TEST				: :
QUAL. LIFE	: 40 YRS.	: 4.25 YRS.	: TYPE TEST				: :
SUBMERGENCE	: N/A	: N/A	: N/A				: :

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
1FP010		FP LIMIT SWITCH	F/L2793	NAM EA17011302	AUX	012	VX	0391	A13C	6/20E-1-3322 6/20E- 6/20E-1-4967B	1FP037	A	AC3D04
1FP010		FP LIMIT SWITCH	F/L2793	NAM EA17012302	AUX	012	VX	0391	A13C	6/20E-1-3322 6/20E- 6/20E-1-4967B	1FP038	A	AC3D04
1PRO01A		PR LIMIT SWITCH	F/L2793	NAM EA17011302	AUX	013	XX	0377	A13C	6/20E-1-3324 6/20E- 6/20E-1-4903A	1PR164	A	AC3D04
1PRO01A		PR LIMIT SWITCH	F/L2793	NAM EA17012302	AUX	013	XX	0383	A13C	6/20E-1-3324 6/20E- 6/20E-1-4903A	1PR166	A	AC3D04
1PRO01B		PR LIMIT SWITCH	F/L2793	NAM EA17011302	AUX	013	XX	0377	A13C	6/20E-1-3324 6/20E- 6/20E-1-4903A	1PR170	A	AC3D04
1PRO01B		PR LIMIT SWITCH	F/L2793	NAM EA17012302	AUX	013	XX	0383	A13C	6/20E-1-3324 6/20E- 6/20E-1-4903A	1PR172	A	AC3D04
1SA032		SA LIMIT SWITCH	F/L2793	NAM EA17011302	AUX	012	UX	0383	A13C	6/20E-1-3322 6/20E- 6/20E-1-4571D	1SA025	A	AC3D04
1SA032		SA LIMIT SWITCH	F/L2793	NAM EA17012302	AUX	012	UX	0353	A13C	6/20E-1-3322 6/20E- 6/20E-1-4571D	1SA027	A	AC3D04
1SI8811A		SI LIMIT SWITCH	F/L2794-1	NAM EA17014302	AUX	013	UX	0376	A13C	6/20E-1-3312 6/20E- 6/20E-1-4661N	1SI006	A	AC3D04
1SI8811A		SI LIMIT SWITCH	F/L2794-1	NAM EA17015302	AUX	013	UX	0376	A13C	6/20E-1-3312 6/20E- 6/20E-1-4661N	1SI013	A	AC3D04
1SI8811B		SI LIMIT SWITCH	F/L2794-1	NAM EA17014302	AUX	013	YX	0364	A13C	6/20E-1-3314 6/20E- 6/20E-1-4687L	1SI065	A	AC3D04

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
1SI8811B	SI	LIMIT SWITCH	F/L2794-1	NAM EA17015302	AUX	013	YX	0364	A13C	6/20E-1-3314 6/20E- 6/20E-1-4687L	1SI064	A	AC3D04
2CS010A	CS	LIMIT SWITCH	F/L2793	NAM EA17011302	AUX	021	VX	0343	A13C	6/20E-2-3302 6/20E- 6/20E-2-4385	2CS101	A	AC3D04
2CS010A	CS	LIMIT SWITCH	F/L2793	NAM EA17012302	AUX	021	VX	0343	A13C	6/20E-2-3302 6/20E- 6/20E-2-4385	2CS101	A	AC3D04
2CS010B	CS	LIMIT SWITCH	F/L2793	NAM EA17011302	AUX	023	XX	0343	A13C	6/20E-2-3304 6/20E- 6/20E-2-4385	2CS102	A	AC3D04
2CS010B	CS	LIMIT SWITCH	F/L2793	NAM EA17012302	AUX	023	XX	0343	A13C	6/20E-2-3304 6/20E- 6/20E-2-4385	2CS102	A	AC3D04
2CS040A	CS	LIMIT SWITCH	F/L2794-1	NAM EA17015302	AUX	023	UX	0364	A13C	6/20E- 6/20E- 6/20E-2-4385A	2CS006	A	AC3D04
2CS040B	CS	LIMIT SWITCH	F/L2794-1	NAM EA17015302	AUX	023	UX	0364	A13C	6/20E- 6/20E- 6/20E-2-4385A	2CS020	A	AC3D04
2FP010	FP	LIMIT SWITCH	F/L2793	NAM EA17011302	AUX	023	VX	0383	A13C	6/20E-2-3322 6/20E- 6/20E-2-4967B	2FP036	A	AC3D04
2FP010	FP	LIMIT SWITCH	F/L2793	NAM EA17012302	AUX	023	VX	0383	A13C	6/20E-2-3322 6/20E- 6/20E-2-4967B	2FP036	A	AC3D04
2IA065	IA	LIMIT SWITCH	F/L2794-1	NAM EA17031302	AUX	023	XX	0391	A13C	6/20E- 6/20E- 6/20E-2-4848Q	2IA014	A	AC3D04
2IA065	IA	LIMIT SWITCH	F/L2794-1	NAM EA170XX302	AUX	023	XX	0391	A13C	6/20E- 6/20E- 6/20E-2-4848Q	2IA014	A	AC3D04

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
2PROO1A	PR	LIMIT SWITCH	F/L2793	NAM EA17011302	AUX	023	XX	0377	A13C	6/20E-2-3324 6/20E- 6/20E-2-4903A	2PR165	A	AC3D04
2PROO1A	PR	LIMIT SWITCH	F/L2793	NAM EA17012302	AUX	023	XX	0377	A13C	6/20E-2-3324 6/20E- 6/20E-2-4903A	2PR165	A	AC3D04
2PROO1B	PR	LIMIT SWITCH	F/L2793	NAM EA17011302	AUX	023	XX	0377	A13C	6/20E-2-3324 6/20E- 6/20E-2-4903A	2PR171	A	AC3D04
2PROO1B	PR	LIMIT SWITCH	F/L2793	NAM EA17012302	AUX	023	XX	0377	A13C	6/20E-2-3324 6/20E- 6/20E-2-4903A	2PR171	A	AC3D04
2SA032	SA	LIMIT SWITCH	F/L2793	NAM EA17011302	AUX	024	UX	0383	A13C	6/20E-2-3322 6/20E- 6/20E-2-4571D	2SA026	A	AC3D04
2SA032	SA	LIMIT SWITCH	F/L2793	NAM EA17012302	AUX	024	UX	0383	A13C	6/20E-2-3322 6/20E- 6/20E-2-4571D	2SA026	A	AC3D04
2SI8811B	SI	LIMIT SWITCH	F/L2794-1	NAM EA17014302	AUX	024	YX	0364	A13C	6/20E- 6/20E- 6/20E-	2SI153	A	AC3D04
2SI8811B	SI	LIMIT SWITCH	F/L2794-1	NAM EA17015302	AUX	024	YX	0364	A13C	6/20E- 6/20E- 6/20E-	2SI153	A	AC3D04

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AC3D04

SPEC. NUM.: F/L2793,F/L2794-1

SYSTEM : CS,IA,SI

SAFETY CAT: A

FUNCTION : PROVIDE VALVE POSITION INDICATION

ENVR ZONE : A13C

COMP/EQUIP: LIMIT SWITCH

MANUF. : NAMCO CONTROLS

MODEL SUPP: EA170 SERIES.

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER
TEMP DEG F	130	194	TYPE TEST	NAMCO CONTROL'S REP. QTR107, REV. 0 DATED 03/11/81 & REPORT LP10767-2 REV. 4 DATED 11/02/79.	AC3D04
PRESS PSIG	-0.5 TO 0	0	TYPE TEST		
REL HUMID %	90	100	TYPE TEST		
RADIATION	1E07	2.04E08	TYPE TEST		
CHEM SPRAY	N/A	N/A	N/A		
DPE TME MN	CONT.	CONT.	TYPE TEST		
QUAL. LIFE	40 YRS.	4.25 YRS.	TYPE TEST		
SUBMERGENCE	N/A	N/A	N/A		

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EQUIPMENT NUMBR	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION --- BDG COL ROW ELEV ZONE	ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
1CS010A		CS LIMIT SWITCH	F/L2793	NAM EA18011302	AUX 015 WX 0346 A13C		6/20E-1-3302 6/20E- 6/20E-1-4385	1CS082	A	AC3D02
1CS010A		CS LIMIT SWITCH	F/L2793	NAM EA18012302	AUX 015 WX 0346 A13C		6/20E-1-3302 6/20E- 6/20E-1-4385	1CS083	A	AC3D02
1CS010B		CS LIMIT SWITCH	F/L2793	NAM EA18011302	AUX 013 XX 0343 A13C		6/20E-1-3304 6/20E- 6/20E-1-4385	1CS085	A	AC3D02
1CS010B		CS LIMIT SWITCH	F/L2793	NAM EA18012302	AUX 013 XX 0343 A13C		6/20E-1-3304 6/20E- 6/20E-1-4385	1CS086	A	AC3D02
1CS040A		CS LIMIT SWITCH	F/L2794-1	NAM EA18015302	AUX 012 UX 0364 A13C		6/20E-1-3312 6/20E- 6/20E-1-4385A	1CS006	A	AC3D02
1CS040B		CS LIMIT SWITCH	F/L2794-1	NAM EA18015302	AUX 012 UX 0364 A13C		6/20E-1-3312 6/20E- 6/20E-1-4385A	1CS020	A	AC3D02
1IA065		IA LIMIT SWITCH	F/L2794-1	NAM EA18031302	AUX 013 XX 0391 A13C		6/20E-1-3324 6/20E- 6/20E-1-4848Q	1IA015	A	AC3D02
1IA065		IA LIMIT SWITCH	F/L2794-1	NAM EA18031302	AUX 013 XX 0391 A13C		6/20E-1-3324 6/20E- 6/20E-1-4848Q	1IA016	A	AC3D02
1RF027		RF LIMIT SWITCH	F/L2795	NAM EA18021302	AUX 013 VX 0383 A13C		6/20E-1-3322 6/20E- 6/20E-1-4847	1RF022	A	AC3D02
1RF027		RF LIMIT SWITCH	F/L2795	NAM EA18021302	AUX 013 VX 0383 A13C		6/20E-1-3322 6/20E- 6/20E-1-4847	1RF021	A	AC3D02
1SIO01A		SI LIMIT SWITCH	F/L2794-3	NAM EA18031302	AUX 014 XX 0364 A13C		6/20E-1-3314 6/20E- 6/20E-1-4192M	1CS041	A	AC3D02

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION --- BDG COL ROW ELEV ZONE	ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
1SIO01B		SI LIMIT SWITCH	F/L2794-3	NAM EA18031302	AUX 014 XX	0364 A13C	6/20E-1-3314 6/20E- 6/20E-1-4840J	1CS043	A	AC3002
2RFO27		RF LIMIT SWITCH	F/L2795	NAM EA17031302	AUX 023 VX	0383 A13C	6/20E-2-3322 6/20E- 6/20E-2-4847	2RFO20	A	AC3002
2RFO27		RF LIMIT SWITCH	F/L2795	NAM EA17032302	AUX 023 VX	0383 A13C	6/20E-2-3322 6/20E- 6/20E-2-4847	2RFO20	A	AC3002
2SIO01A		SI LIMIT SWITCH	F/L2794-3	NAM EA18031302	AUX 022 XX	0364 A13C	6/20E- 6/20E- 6/20E-2-4192M	2CS041	A	AC3002
2SIO01B		SI LIMIT SWITCH	F/L2794-3	NAM EA18031302	AUX 022 XX	0364 A13C	6/20E- 6/20E- 6/20E-2-4840J	2CS043	A	AC3002
2SI8811A		SI LIMIT SWITCH	F/L2794-1	NAM EA18014302	AUX 023 UX	0364 A13C	6/20E-2-3312 6/20E- 6/20E-2-4661N	2SI140	A	AC3002
2SI8811A		SI LIMIT SWITCH	F/L2794-1	NAM EA18015302	AUX 023 UX	0364 A13C	6/20E-2-3312 6/20E- 6/20E-2-4661N	2SI140	A	AC3002

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AC3D02

SPEC. NUM.: F/L2794-1,F/L2794-3,F/L-2793,F/L2795

SYSTEM : IA,SI,CS,RF

SAFETY CAT: A

FUNCTION : PROVIDE VALVE POSITION INDICATION

ENVR ZONE : A130

COMP/EQUIP: LIMIT SWITCH

MANUF. : NAMCO CONTROLS

MODEL SUPP: EA180 SERIES.

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	130	340	TYPE TEST	NAMCO CONTROL'S REPORT :QTR-105, REV. 1	REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BB015 FOR COMPLETE DOCUMENTATION	AC3D02
PRESS PSIG	-0.5 TO :O IN.WG:	80 PSIG	TYPE TEST	DATED 08/28/80.	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	90	100	TYPE TEST			
RADIATION	1E07	2.04E08	TYPE TEST			
CHEM SPRAY	N/A	0.15GPM/FT SQ :PH 10 TO 11	TYPE TEST			
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	40 YEARS*	TYPE TEST		*40 YRS. QUAL. BASED ON PERFORMING LUBRICATION: :EVERY 4.5 YRS. & REPLACEMENT OF ELASTOMERIC	
SUBMERGENCE	N/A	N/A	N/A		:PARTS. REPLAC. INTERVAL FOR ELAS. COMP. IS :DEPENDENT ON AMBIENT TEMP.SEE CQD-010001,TAB E:	

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O58B CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						
1HS -RE002	RE	SEL SWITCH	F/L2783	WES OT2 CS122	AUX	013	WX	0401	A13C	6/20E-1-3332D 6/20E- 6/20E-1-4439A	C 1RE037	A	AC3E12
1HS -VA003	VA	SEL SWITCH	F/L2783	WES OT2 CS509	AUX	015	UX	0346	A13C	6/20E-1-3302 6/20E- 6/20E-1-4471C	C 1VA064 1VA03J	A	AC3E12
1HS -VA004	VA	SEL SWITCH	F/L2783	WES OT2 CS509	AUX	015	YX	0346	A13C	6/20E-1-3304 6/20E- 6/20E-1-4471D	C 1VA067 1VA04J	A	AC3E12
1HS -VA005	VA	SEL SWITCH	F/L2783	WES OT2 CS509	AUX	015	VX	0346	A13C	6/20E-1-3302 6/20E- 6/20E-1-4471E	C 1VA070 1VA05J	A	AC3E12
1HS -VA006	VA	SEL SWITCH	F/L2783	WES OT2 CS509	AUX	013	XX	0346	A13C	6/20E-1-3304 6/20E- 6/20E-1-4471F	C 1VA074 1VA06J	A	AC3E12
1HS -VA007	VA	SEL SWITCH	F/L2783	WES OT2 CS509	AUX	017	QX	0364	A13C	6/20E-0-3314 6/20E- 6/20E-1-4471G	C 1VA042 1VA07J	A	AC3E12
1HS -VA008	VA	SEL SWITCH	F/L2783	WES OT2 CS509	AUX	012	YX	0364	A13C	6/20E-1-3314 6/20E- 6/20E-1-4471H	C 1VA049 1VA08J	A	AC3E12
1HS -VA011	VA	SEL SWITCH	F/L2783	WES OT2 CS509	AUX	015	YX	0364	A13C	6/20E-1-3314 6/20E- 6/20E-1-4471L	C 1VA056 1VA11J	A	AC3E12
2HS -RE002	RE	SEL SWITCH	F/L2783	WES OT2 CS122	AUX				A13C	6/20E-2-3332 6/20E- 6/20E-2-4439A	2RE037	A	AC3E12
2HS -VA003	VA	SEL SWITCH	F/L2783	WES OT2 CS509	AUX	021	UX	0346	A13C	6/20E-2-3302 6/20E- 6/20E-0-4471C	C 2VA151 2VA03J	A	AC3E12
2HS -VA004	VA	SEL SWITCH	F/L2783	WES OT2 CS509	AUX	021	YX	0343	A13C	6/20E-2-3304 6/20E- 6/20E-0-4471C	C 2VA155 2VA04J	A	AC3E12

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						
2HS -VA005	VA	SEL SWITCH	F/L2783	WES OT2 CS509	AUX	021	VX	0346	A13C	6/20E-2-3302 6/20E- 6/20E-O-4471E	C 2VA158 2VA05J	A	AC3E12
2HS -VA006	VA	SEL SWITCH	F/L2783	WES OT2 CS509	AUX	023	XX	0343	A13C	6/20E-2-3304 6/20E- 6/20E-O-4471F	C 2VA162 2VA06J	A	AC3E12
2HS -VA007	VA	SEL SWITCH	F/L2783	WES OT2 CS509	AUX	019	QX	0364	A13C	6/20E-O-3314 6/20E- 6/20E-O-4471G	C 2VA047 2VA07J	A	AC3E12
2HS -VA008	VA	SEL SWITCH	F/L2783	WES OT2 CS509	AUX	023	YX	0364	A13C	6/20E-2-3314 6/20E- 6/20E-O-4471H	C 2VA133 2VA08J	A	AC3E12
2HS -VA011	VA	SEL SWITCH	F/L2783	WES OT2 CS509	AUX	021	YX	0346	A13C	6/20E-2-3314 6/20E- 6/20E-O-4471L	C 2VA143 2VA11J	A	AC3E12

SARGENT & LUNDY ENGINEERS
COMPONENT QUALIFICATION DIVISION

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AC3E12

SPEC. NUM.: F/L2783

SYSTEM : RE,VA

SAFETY CAT: A

FUNCTION : HVAC CONTROLS

ENVR ZONE : A13C

COMP/EQUIP: SELECTOR SWITCH

MANUF. : WESTINGHOUSE

MODEL SUPP: OT2,CS509

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP	
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER	
TEMP DEG F	130MAX	130	TYPE TEST	1)AETC'S REPORT NO. 15281 REV. 2 - 10/14/83.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB019 FOR COMPLETE DOCUMENTATION	AC3E12
PRESS PSIG	-0.5 TO 0 IN. WG	AMBIENT	TYPE TEST	2)AETC RETEST REPORT NO. 18987-84N DATED 12/21/83.	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	90	90	TYPE TEST			
RADIATION	1E07	1E07	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	12 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

SARGENT & LUNDY ENGINEERS
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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						
N/A	VA	INDICATOR LIGHT	F/L2783	WES EZC	AUX	013	XX	0347	A13C	6/20E-1-3304 6/20E- 6/20E-1-4471F	C 1VA073 1VA06J	A	AC3E02
N/A	VA	INDICATOR LIGHT	F/L2783	WES EZC	AUX	017	QX	0364	A13C	6/20E-0-3314 6/20E- 6/20E-1-4471G	C 1VA042 1VA07J	D	AC3E02
N/A	VA	INDICATOR LIGHT	F/L2783	WES EZC	AUX	012	YX	0364	A13C	6/20E-1-3314 6/20E- 6/20E-1-4471H	C 1VA049 1VA08J	A	AC3E02
N/A	VA	INDICATOR LIGHT	F/L2783	WES EZC	AUX	015	YX	0364	A13C	6/20E-1-3314 6/20E- 6/20E-1-4471L	C 1VA056 1VA11J	A	AC3E02
N/A	VA	INDICATOR LIGHT	F/L2783	WES EZC	AUX	023	XX	0364	A13C	6/20E-2-3304 6/20E- 6/20E-2-4471F	C 2VA073 2VA06J	A	AC3E02
N/A	VA	INDICATOR LIGHT	F/L2783	WES EZC	AUX	019	QX	0368	A13C	6/20E-0-3314 6/20E- 6/20E-2-4471G	C 2VA044 2VA07J	D	AC3E02
N/A	VA	INDICATOR LIGHT	F/L2783	WES EZC	AUX	023	YX	0364	A13C	6/20E-2-3314 6/20E- 6/20E-2-4471H	C 2VA050 2VA08J	A	AC3E02
N/A	VA	INDICATOR LIGHT	F/L2783	WES EZC	AUX	021	YX	0343	A13C	6/20E-2-3304 6/20E- 6/20E-2-4471D	C 2VA067 2VA04J	A	AC3E02
N/A	VA	INDICATOR LIGHT	F/L2783	WES EZC	AUX	021	VX	0346	A13C	6/20E-2-3302 6/20E- 6/20E-2-4471E	C 2VA070 2VA05J	A	AC3E02
N/A	VA	INDICATOR LIGHT	F/L2783	WES EZC	AUX	015	YX	0343	A13C	6/20E-1-3304 6/20E- 6/20E-1-4471D	C 1VAC67 1VA04J	A	AC3E02
N/A	VA	INDICATOR LIGHT	F/L2783	WES EZC	AUX	015	VX	0364	A13C	6/20E-1-3302 6/20E- 6/20E-1-4471E	C 1VA070 1VA05J	A	AC3E02

SARGENT & LUNDY ENGINEERS
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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						
N/A		VA INDICATOR LIGHT	F/L2783	WES EZC	AUX	021	UX	0346	A13C	6/20E-2-3302 6/20E- 6/20E-2-4471C	C 2VA064 2VA03J	A	AC3E02
N/A		VA INDICATOR LIGHT	F/L2783	WES EZC	AUX	021	ZX	0364	A13C	6/20E-2-3314 6/20E- 6/20E-2-4471L	C 2VA056 2VA11J	A	AC3E02
N/A		VA INDICATOR LIGHT	F/L2783	WES EZC	AUX	015	UX	0346	A13C	3/20E-1-3302 6/20E- 6/20E-1-4471C	C 1VA064 1VA03J	A	AC3E02

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AC3E02

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : MAINTAIN 1E INTEGRITY

ENVR ZONE : A13C

COMP/EQUIP: INDICATOR LIGHT

MANUF. : WESTINGHOUSE

MODEL SUPP: EZC

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP	
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER	
TEMP DEG F	130	130	TYPE TEST	AETC'S TEST REPORT NO. 15221, REV. 2- 10/14/83 -	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB016 FOR COMPLETE DOCUMENTATION	AC3E02
PRESS PSIG	0	AMBIENT	TYPE TEST	AETC'S RETESTING REPORT NO. 18987-84N, DATED DECEMBER, 1983.	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	90	90	TYPE TEST			
RADIATION	1E07	1E07	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	12	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

SARGENT & LUNDY ENGINEERS
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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW					
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	015	UX	0346	A13C	1VA03J	A	AC3E6M
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	015	YX	0346	A13C	1VA04J	A	AC3E6M
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	015	VX	0346	A13C	1VA05J	A	AC3E6M
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	013	XX	0346	A13C	1VA06J	A	AC3E6M
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	017	QX	0364	A13C	1VA07J	A	AC3E6M
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	012	YX	0364	A13C	1VA08J	A	AC3E6M
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	015	YX	0364	A13C	1VA11J	A	AC3E6M
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	021	UX	0346	A13C	2VA03J	A	AC3E6M
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	021	YX	0343	A13C	2VA04J	A	AC3E6M
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	021	VX	0346	A13C	2VA05J	A	AC3E6M
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	023	XX	0343	A13C	2VA06J	A	AC3E6M

SARGENT & LUNDY ENGINEERS
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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV				
N/A	VA WIRE		F/L2783	GE 1-PLEX	AUX	O19	QX	0364	A13C	2VA07J	A	AC3E6M
N/A	VA WIRE		F/L2783	GE 1-PLEX	AUX	O23	YX	0364	A13C	2VA08J	A	AC3E6M
N/A	VA WIRE		F/L2783	GE 1-PLEX	AUX	O21	YX	0346	A13C	2VA11J	A	AC3E6M

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AC3E6M

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : MAINTAIN CONTINUITY & INTEGRITY OF CLASS 1E CIRCUITS

ENVR ZONE : A13C

COMP/EQUIP: 1-PLEX WIRE

MANUF. : G.E.

MODEL SUPP: SIS SINGLE PLEX

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP	
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER	
TEMP DEG F	130	130	TYPE TEST	1)AET'S TEST REPORT NO. 15281, REV. 2- 10/14/83	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BBO20 FOR COMPLETE DOCUMENTATION	AC3E6M
PRESS PSIG	0	0	TYPE TEST	2)AET'S RETESTING REPORT NO. 18987-84N, DATED DECEMBER, 1983.	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	90	90	TYPE TEST			
RADIATION	1E07	1E07	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
DPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	40 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	015	UX	0346	A13C		1VA03J	A	AC3E6U
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	015	YX	0346	A13C		1VA04J	A	AC3E6U
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	015	VX	0346	A13C		1VA05J	A	AC3E6U
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	013	XX	0346	A13C		1VA06J	A	AC3E6U
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	017	QX	0364	A13C		1VA07J	A	AC3E6U
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	012	YX	0364	A13C		1VA08J	A	AC3E6U
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	015	YX	0364	A13C		1VA11J	A	AC3E6U
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	021	UX	0346	A13C		2VA03J	A	AC3E6U
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	021	YX	0343	A13C		2VA04J	A	AC3E6U
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	021	VX	0346	A13C		2VA05J	A	AC3E6U
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	023	XX	0343	A13C		2VA06J	A	AC3E6U

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	019	QX	0364	A13C		2VA07J	A	AC3E6U
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	023	YX	0364	A13C		2VA08J	A	AC3E6U
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	021	YX	0346	A13C		2VA11J	A	AC3E6U

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AC3E6U

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : MAINTAIN CLASS 1E CIRCUITS AND PROVIDE 600V ELECTRIC
ISOLATION BETWEEN ADJACENT TERMINALS.

ENVR ZONE : A13C

COMP/EQUIP: TERMINAL BLOCK

MANUF. : G.E.

MODEL SUPP: CR151B2-NUC

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	130	130	TYPE TEST	1)AET'S TEST REPORT NO. 15281, REV. 2- 10/14/83	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB017 FOR COMPLETE DOCUMENTATION	AC3E6U
PRESS PSIG	0	0	TYPE TEST	2)AET'S RETESTING REPORT NO. 18987-84N, DATED DECEMBER, 1983.	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	90	90	TYPE TEST			
RADIATION	1E07	1E07	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	25.9 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						ELEV
1VQ003	VQ	SOLENOID	F/L2884	ASC NP-831654E	AUX	013	WX	0475	A13D	6/20E-1-3382 6/20E- 6/20E-1-4536B	1VQ137	A	AD3C06
1VQ004B	VQ	SOLENOID	F/L2884	ASC NP-831654E	AUX	012	UX	0451	A13D	6/20E-1-3373 6/20E- 6/20E-1-4536A	1VQ159	A	AD3C06
1VQ005B	VQ	SOLENOID	F/L2884	ASC NP-831654E	AUX	013	VX	0472	A13D	6/20E-1-3382 6/20E- 6/20E-1-4536	1VQ184	A	AD3C06
1VQ005C	VQ	SOLENOID	F/L2884	ASC NP-831654E	AUX	013	VX	0467	A13D	6/20E-1-3382 6/20E- 6/20E-1-4536D	1VQ253	A	AD3C06
2VQ003	VQ	SOLENOID	F/L2884	ASC NP-831654E	AUX	023	VX	0467	A13D	6/20E-2-3382 6/20E- 6/20E-2-4536B	2VQ141	A	AD3C06
2VQ004B	VQ	SOLENOID	F/L2884	ASC NP-831654E	AUX	024	UX	0451	A13D	6/20E-2-3372 6/20E- 6/20E-	C 2VQ159	A	AD3C06
2VQ005B	VQ	SOLENOID	F/L2884	ASC NP-831654E	AUX	023	VX	0467	A13D	6/20E-2-3382 6/20E- 6/20E-2-4536	2VQ184	A	AD3C06
2VQ005C	VQ	SOLENOID	F/L2884	ASC NP-831654E	AUX	023	UX	0467	A13D	6/20E-2-3382 6/20E- 6/20E-2-4536D	2VQ253	A	AD3C06

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AD3C06

SPEC. NUM.: F/L2884

SYSTEM : VQ

SAFETY CAT: A

FUNCTION : CONTAINMENT ISOLATION

ENVR ZONE : A13D

COMP/EQUIP: SOLENOID OPERATED VALVE

MANUF. : ASCO

MODEL SUPP: NP831654E

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT		QUALIFICATION		QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE		NUMBER
TEMP DEG F	122	348	TYPE TEST	ASCO TEST REPORT NO. AQR 67368, REV. 0, DATED 03-02-82.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB026 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	AD3C06
PRESS PSIG	-2.5-0	56	TYPE TEST			
REL HUMID %	90	100	TYPE TEST			
RADIATION	1E06	2.05E08	TYPE TEST			
CHEM SPRAY	N/A	N/A				
OPE TME MN	SHORT	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS	40.0 YRS	TYPE TEST		40 YEARS LIFE IS BASED UPON REPLACING THE ELASTOMERS & SOLENOID COILS DEPENDING ON AMBIENT TEMPERATURE.	
SUBMERGENCE	N/A	N/A	NONE			

SARGENT & LUNDY ENGINEERS
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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---				ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW	ELEV					
OFSV-VA011	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV502	AUX	015	SX	0467	A13D	6/20E-O-3384 6/20E-O-4461B	C 1FP111 OVA01JA	A	AD3C02
OFSV-VA012	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV502	AUX	015	SX	0465	A13D	6/20E-O-3384 6/20E-O-4465E	C 1FP108 OVA01JB	A	AD3C02
OFSV-VA013	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV502	AUX	021	QX	0451	A13D	6/20E-O-3384 6/20E-O-4466D	C 2VA006 OVA01JC	A	AD3C02
OFSV-VA014	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV502	AUX	021	QX	0451	A13D	6/20E-O-3384 6/20E-O-4462A	C 2VA012 OVA01JD	A	AD3C02
OFSV-VA015	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV503	AUX	015	SX	0465	A13D	6/20E-O-3384 6/20E-O-4465E	C 1FP108 OVA01JB	A	AD3C02
OFSV-VA016	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV503	AUX	021	QX	0451	A13D	6/20E-O-3384 6/20E-O-4466D	C 2VA006 OVA01JC	A	AD3C02
OFSV-VA017	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV503	AUX	015	SX	0467	A13D	6/20E-O-3384 6/20E-O-4461B	C 1FP111 OVA01JA	A	AD3C02
OFSV-VA018	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV504	AUX	015	SX	0465	A13D	6/20E-O-3384 6/20E-O-4465E	C 1FP108 OVA01JB	A	AD3C02
OFSV-VA331	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV503	AUX	015	SX	0467	A13D	6/20E-O-3384 6/20E-O-4461B	C 1FP111 OVA01JA	A	AD3C02
OFSV-VA332	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV504	AUX	015	SX	0465	A13D	6/20E-O-3384 6/20E-O-4465E	C 1FP108 OVA01JB	A	AD3C02
OFSV-VA511	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV504	AUX	015	SX	0467	A13D	6/20E-O-3385 6/20E- 6/20E-O-4468F	C 1VA314	A	AD3C02

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OFSV-VA512	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV504	AUX 017 UX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AF	1VA330	A	AD3C02
OFSV-VA513	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV505	AUX 017 SX	0465 A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AF	1VA266	A	AD3C02
OFSV-VA514	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV505	AUX 018 UX	0467 A13D	6/20E-0-3385 6/20E- 6/20E-0-4465D	C 1VA451	A	AD3C02
OFSV-VA515	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV505	AUX 018 SX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AG	1VA430	A	AD3C02
OFSV-VA516	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV505	AUX 018 SX	0451 A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AG	1VA401	A	AD3C02
OFSV-VA517	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV505	AUX 018 SX	0467 A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AG		A	AD3C02
OFSV-VA518	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV506	AUX 018 SX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AG	2VA632	A	AD3C02
OFSV-VA519	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV506	AUX 018 SX	0451 A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AH	2VA614	A	AD3C02
OFSV-VA520	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV506	AUX 019 SX	0467 A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AH	C 2VA286	A	AD3C02
OFSV-VA521	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV507	AUX 019 UX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AH	2VA350	A	AD3C02
OFSV-VA522	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV507	AUX 021 SX	0451 A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AH	2VA300	A	AD3C02

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OFSV-VA523	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV507	AUX 015 UX 0467 A13D		6/20E-0-3385 6/20E- 6/20E-0-4468AJ	C 1VA297	A	AD3C02
OFSV-VA524	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV507	AUX 015 UX 0459 A13D		6/20E-0-3376 6/20E- 6/20E-0-4468AJ	1VA347	A	AD3C02
OFSV-VA525	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV508	AUX 015 UX 0451 A13D		6/20E-0-3375 6/20E- 6/20E-0-4468AJ	1VA265	A	AD3C02
OFSV-VA526	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV508	AUX 018 SX 0467 A13D		6/20E-0-3385 6/20E- 6/20E-0-4468AG	C 2VA089	A	AD3C02
OFSV-VA527	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV508	AUX 018 UX 0459 A13D		6/20E-0-3376 6/20E- 6/20E-0-4468AK	2VA627	A	AD3C02
OFSV-VA528	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV508	AUX 018 UX 0451 A13D		6/20E-0-3375 6/20E- 6/20E-0-4468AK	2VA600	A	AD3C02
OFSV-VA529	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV509	AUX 021 UX 0467 A13D		6/20E-0-3385 6/20E- 6/20E-0-4468AK	C 1VA444	A	AD3C02
OFSV-VA530	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV509	AUX 019 UX 0459 A13D		6/20E-0-3376 6/20E- 6/20E-0-4468AK	1VA421	A	AD3C02
OFSV-VA531	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV509	AUX 021 UX 0451 A13D		6/20E-0-3375 6/20E- 6/20E-0-4468AL	1VA379	A	AD3C02
OFSV-VA532	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV534	AUX 015 VX 0467 A13D		6/20E-0-3385 6/20E- 6/20E-0-4468AC	C 1VA296	A	AD3C02
OFSV-VA533	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV534	AUX 015 VX 0459 A13D		6/20E-0-3376 6/20E- 6/20E-0-4468AC	1VA321	A	AD3C02

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			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
OFSV-VA534	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV534	AUX	015	VX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AC	1VA264	A	AD3C02
OFSV-VA535	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV534	AUX	017	VX	0467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AC	C 2VA090	A	AD3C02
OFSV-VA536	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E VS535	AUX	018	UX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AD	2VA626	A	AD3C02
OFSV-VA537	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV535	AUX	018	UX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AC	2VA596	A	AD3C02
OFSV-VA538	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV535	AUX	021	VX	0467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AK	C 1VA435	A	AD3C02
OFSV-VA539	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV535	AUX	021	VX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AD	1VA414	A	AD3C02
OFSV-VA540	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV536	AUX	021	VX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AL	1VA409	A	AD3C02
OFSV-VA546	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV536	AUX	019	VX	0475	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468E	1VA333	A	AD3C02
OFSV-VA547	VA	SOLENOID VALVE	F/L2783	ASC NP8320A184E SV536	AUX	019	VX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AE	1VA396	A	AD3C02

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AD3C02

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : DAMPER OPERATOR

ENVR ZONE : A13D

COMP/EQUIP: SOLENOID OPERATED VALVE

MANUF. : ASCO

MODEL SUPP: NP8320A184E

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	122	348	TYPE TEST	ASCO TEST REPORT NO. AQR 67368, REV. 0, DATED 03-02-82.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB026 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	AD3C02
PRESS PSIG	0.5	56	TYPE TEST			
REL HUMID %	90	100	TYPE TEST			
RADIATION	1.0E06	2.05E08	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT./ INTER.	CONT./ INTER.	TYPE TEST			
QUAL. LIFE	40 YRS	40.0 YRS	TYPE TEST		40 YEARS LIFE IS BASED UPON REPLACING THE ELASTOMERS & SOLENOID COILS DEPENDING ON AMBIENT TEMPERATURE.	
SUBMERGENCE	N/A	N/A	N/A			

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1VQ001B	VQ	HYDRAULIC OPERATOR	F/L2794-1	B-W DWG NO 85450	AUX	O12	SX	0451	A13D	6/20E-1-3372 6/20E- 6/20E-1-4687G	1VQ100	A	AD3A13
1VQ002B	VQ	HYDRAULIC OPERATOR	F/L2794-1	B-W DWG NO 85460	AUX	O12	UX	0451	A13D	6/20E-1-3372 6/20E- 6/20E-1-4687G	1VQ127	A	AD3A13
2VQ001B	VQ	HYDRAULIC OPERATOR	F/L2794-1	B-W DWG NO 85450	AUX	O24	SX	0451	A13D	6/20E-2-3372 6/20E- 6/20E-	C	A	AD3A13
2VQ002B	VQ	HYDRAULIC OPERATOR	F/L2794-1	B-W DWG NO 85450	AUX	O24	UX	0451	A13D	6/20E-2-3372 6/20E- 6/20E-	C 2VQ127	A	AD3A13

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AD3A13

SPEC. NUM.: F/L2794-1

SYSTEM : VQ

SAFETY CAT: A

FUNCTION : ISOLATION

ENVR ZONE : A13D

COMP/EQUIP: HYDRAULIC OPERATOR

MANUF. : BORG WARNER

MODEL SUPP: 85450 & 84560

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	COMP
PARAMETER	PLT DES	QUALIFICATION	DOCUMENT REFERENCE	NUMBER
		METHOD		
TEMP DEG F	:	:	:	AD3A13
PRESS PSIG	:	:	:	:
REL HUMID %	:	:	:	:
RADIATION	:	:	:	:
CHEM SPRAY	:	:	:	:
OPE TME MN	:	:	:	:
QUAL. LIFE	:	:	:	:
SUBMERGENCE	:	:	:	:

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW					
1VQ001B	VQ	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8926 MOD.BW	AUX			0462 A13D	N/A	N/A	N/A	AD3B22
1VQ002B	VQ	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8926 MOD.BW	AUX			0462 A13D	N/A	N/A	N/A	AD3B22
1VQ003	VQ	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8226-EXMOD.C	AUX			0475 A13D	N/A	N/A	N/A	AD3B22
1VQ004B	VQ	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8226-EXMOD.C	AUX			0462 A13D	N/A	N/A	N/A	AD3B22
1VQ005B	VQ	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8226-EXMOD.C	AUX			0475 A13D	N/A	N/A	N/A	AD3B22
2VQ001B	VQ	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8926 MOD.BW	AUX			0462 A13D	N/A	N/A	N/A	AD3B22
2VQ002B	VQ	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8926 MOD.BW	AUX			0462 A13D	N/A	N/A	N/A	AD3B22
2VQ003B	VQ	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8226-EXMOD.C	AUX			0462 A13D	N/A	N/A	N/A	AD3B22
2VQ004B	VQ	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8226-EXMOD.C	AUX			0475 A13D	N/A	N/A	N/A	AD3B22
2VQ005B	VQ	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8226-EXMOD.C	AUX			0475 A13D	N/A	N/A	N/A	AD3B22

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AD3B22

SPEC. NUM.: F/L2884

SYSTEM : VQ

SAFETY CAT: A

FUNCTION : CONTAINMENT ISOLATION

ENVR ZONE : A13D

COMP/EQUIP: ISOLATION BUTTERFLY VALVE

MANUF. : JAMESBURY

MODEL SUPP: 8926 MOD.BW, 8226 EX MOD. C

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT PARAMETER	PLT DES:	QUALIFICATION:	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER:
TEMP DEG F	150	250	ANALYSIS	SEE REMARKS	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB052 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	AD3B22
PRESS PSIG	50	150	ANALYSIS			
REL HUMID %	70	100	ANALYSIS			
RADIATION	1E06	2E08	ANALYSIS			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	ANALYSIS			
QUAL. LIFE	40 YRS.	40 YRS.	ANALYSIS			
SUBMERGENCE	N/A	N/A	N/A			

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			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW					
OVAO1CA	VA	HVAC FAN	F/L2774	JOY AXIVANE	AUX			0451	A13D			AD3G03
OVAO1CB	VA	HVAC FAN	F/L2774	JOY AXIVANE	AUX			0451	A13D			AD3G03
OVAO1CC	VA	HVAC FAN	F/L2774	JOY AXIVANE	AUX			0451	A13D			AD3G03
OVAO1CD	VA	HVAC FAN	F/L2774	JOY AXIVANE	AUX			0451	A13D			AD3G03
OVAO2CA	VA	HVAC FAN	F/L2774	JOY AXIVANE	AUX			0476	A13D			AD3G03
OVAO2CB	VA	HVAC FAN	F/L2774	JOY AXIVANE	AUX			0476	A13D			AD3G03
OVAO2CB	VA	HVAC FAN	F/L2774	JOY AXIVANE	AUX			0476	A13D			AD3G03
OVAO2CC	VA	HVAC FAN	F/L2774	JOY AXIVANE	AUX			0476	A13D			AD3G03
OVAO2CC	VA	HVAC FAN	F/L2774	JOY AXIVANE	AUX			0476	A13D			AD3G03
OVAO2CD	VA	HVAC FAN	F/L2774	JOY AXIVANE	AUX			0476	A13D			AD3G03
OVAO2CD	VA	HVAC FAN	F/L2774	JOY AXIVANE	AUX			0476	A13D			AD3G03

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW					
OVAO2CE	VA	HVAC FAN	F/L2774	JOY AXIVANE	AUX			0476	A13D			AD3G03
OVAO2CF	VA	HVAC FAN	F/L2774	JOY AXIVANE	AUX			0476	A13D			AD3G03
OVAO3CA	VA	HVAC FAN	F/L2774	JOY AXIVANE	AUX			0476	A13D			AD3G03
OVAO4CA	VA	HVAC FAN	F/L2774	JOY AXIVANE	AUX			0476	A13D			AD3G03
OVAO4CB	VA	HVAC FAN	F/L2774	JOY AXIVANE	AUX			0476	A13D			AD3G03

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AD3G03

SPEC. NUM.: F/L2774
SYSTEM : VA
SAFETY CAT: N/A
FUNCTION : SUPPLY AIR FLOW
ENVR ZONE : A13D
COMP/EQUIP: HVAC FAN
MANUF. : JOY MFG.
MODEL SUPP: AXIVANE

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	COMP
PARAMETER	PLT DES:QUALIFICATION:	METHOD	DOCUMENT REFERENCE	NUMBER:
TEMP DEG F : 122	SEE	ANALYSIS	N/A	AD3G03
PRESS PSIG : -.009	REMARKS			
REL HUMID % : 70				
RADIATION : 1E06				
CHEM SPRAY : N/A				
OPE TME MN : CONT.				
QUAL. LIFE : 40 YRS.				
SUBMERGENCE : N/A				

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OVA01CA	VA	AUX BLDG HVAC SUPPLY FAN OA	F/L2774	REL 350 CLASS F HP INSULAT TYPE : RBI	AUX 015 SX 0451 A13D		6/20E-0-3374 6/20E- 6/20E-1-4611N	C 1VA001	D	AD3A23
OVA01CB	VA	AUX BLDG HVAC SUPPLY FAN OB	F/L2774	REL 350 CLASS F HP INSULAT TYPE : RBI	AUX 015 QX 0451 A13D		6/20E-0-3374 6/20E- 6/20E-1-4613T	C 1VA009	D	AD3A23
OVA01CC	VA	AUX BLDG HVAC SUPPLY FAN OC	F/L2774	REL 350 CLASS F HP INSULAT TYPE : RBI	AUX 021 SX 0451 A13D		6/20E-0-3374 6/20E- 6/20E-2-4611N	C 2VA001	D	AD3A23
OVA01CD	VA	AUX BLDG HVAC SUPPLY FAN OD	F/L2774	REL 350 CLASS F HP INSULAT TYPE : RBI	AUX 021 QX 0451 A13D		6/20E-0-3374 6/20E- 6/20E-2-4613L	C 2VA009	D	AD3A23
OVA02CA	VA	AUX BLDG HVAC EXHAUST FAN OA	F/L2774	REL 500 CLASS F HP INSULAT TYPE : RBI	AUX 016 SX 0476 A13D		6/20E-0-3386 6/20E- 6/20E-1-4611V	C 1VA016	A	AD3A23
OVA02CB	VA	AUX BLDG HVAC EXHAUST FAN OB	F/L2774	REL 500 CLASS F HP INSULAT TYPE : RBI	AUX 017 SX 0476 A13D		6/20E-0-3386 6/20E- 6/20E-1-4613U	C 1VA019	A	AD3A23
OVA02CC	VA	AUX BLDG HVAC EXHAUST FAN OC	F/L2774	REL 500 CLASS F HP INSULAT TYPE : RBI	AUX 019 SX 0476 A13D		6/20E-0-3386 6/20E- 6/20E-2-4611X	C 2VA016	A	AD3A23
OVA02CD	VA	AUX BLDG HVAC EXHAUST FAN OD	F/L2774	REL 500 CLASS F HP INSULAT TYPE : RBI	AUX 020 SX 0476 A13D		6/20E-0-3386 6/20E- 6/20E-2-4613C	C 2VA019	A	AD3A23
OVA03CA	VA	AUX BLDG HVAC EXHAUST CHARCL BOOSTER FAN OA	F/L2774	REL 075 CLASS H HP INSULAT TYPE : RH	AUX 015 WX 0476 A13D		6/20E-0-3386 6/20E- 6/20E-1-4630G	C 1VA026	A	AD3A23
OVA03CB	VA	AUX BLDG HVAC EXHAUST CHARCL BOOSTER FAN OB	F/L2774	REL 075 CLASS H HP INSULAT TYPE : RH	AUX 017 WX 0476 A13D		6/20E-0-3386 6/20E- 6/20E-1-4637G	C 1VA030	A	AD3A23
OVA03CC	VA	AUX BLDG HVAC EXHAUST CHARCL BOOSTER FAN OC	F/L2774	REL 075 CLASS H HP INSULAT TYPE : RH	AUX 017 WX 0476 A13D		6/20E-0-3386 6/20E- 6/20E-2-4611N	C 2VA001	A	AD3A23

SARGENT & LUNDY ENGINEERS
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OVA03CD	VA	AUX BLDG HVAC EXHAUST CHARCL BOOSTER FAN OD	F/L2774	REL 075 CLASS H HP INSULAT TYPE : RH	AUX 018 VX	0476 A13D	6/20E-0-3386 6/20E- 6/20E-2-4613L	C 2VA009	A	AD3A23
OVA03CE	VA	AUX BLDG HVAC EXHAUST CHARCL BOOSTER FAN OE	F/L2774	REL 075 CLASS H HP INSULAT TYPE : RH	AUX 019 VX	0476 A13D	6/20E-0-3386 6/20E- 6/20E-1-4637J	C 1VA029	A	AD3A23
OVA03CF	VA	AUX BLDG HVAC EXHAUST CHARCL BOOSTER FAN OF	F/L2774	REL 075 CLASS H HP INSULAT TYPE : RH	AUX 021 VX	0476 A13D	6/20E-0-3386 6/20E- 6/20E-2-4630J	C 2VA029	A	AD3A23
OVA04CA	VA	AUX BLDG HVAC F H BLDG CHARCL BOOSTER FAN OA	F/L2774	REL 025 CLASS H HP INSULAT TYPE : RH	AUX 018 WX	0476 A13D	6/20E-0-3386 6/20E- 6/20E-1-4669E	C 1VA120	A	AD3A23
OVA04CB	VA	AUX BLDG HVAC F H BLDG CHARCL BOOSTER FAN OB	F/L2774	REL 025 CLASS H HP INSULAT TYPE : RH	AUX 019 WX	0476 A13D	6/20E-0-3386 6/20E- 6/20E-1-4689A	C 1VA124	A	AD3A23

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AD3A23

SPEC. NUM.: F/L2774

SYSTEM : VA

SAFETY CAT: A

FUNCTION : VENTILATION FAN

ENVR ZONE : A13D

COMP/EQUIP: MOTOR / HVAC FAN

MANUF. : RELIANCE ELEC. CO. / JOY MFG.

MODEL SUPP: CLASS RH INSUL / AXIVANE

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	PLT DES	QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	104	122	TYPE TEST	RELIANCE ELECTRIC CO.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER	AD3A23
PRESS PSIG	ATM	ATM	ANALYSIS	SUMMARY REPORT NUCLEAR POWER	NO. EQ-BB003 FOR COMPLETE DOCUMENTATION	
REL HUMID %	70	100	TYPE TEST	MOTOR SYSTEMS TYPE TEST	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
RADIATION	1E06	3E08	TYPE TEST	SUPPORT ANALYSIS RANDOM		
CHEM SPRAY	N/A	N/A	N/A	WOUND MOTORS, NUC-9 7/1/78.		
OPE TME MN	CONT.	CONT.	TYPE TEST	AND SUPPLEMENTAL REPORT TO		
QUAL. LIFE	40	40	TYPE TEST	NUC-9 REV. 2 DATED 7/15/81.		
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ELEV ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW					
OFZ -VA035	VA	DMPR MOTOR 400YA/ACTUATOR	F/L2903	ITT NH91	AUX	017	QX	0475 A13D	6/20E-0-3387 VA035- 6/20E-0-4468G	C 1VA719	A	AD3A09
OFZ -VA036	VA	DMPR MOTOR 400YB/ACTUATOR	F/L2903	ITT NH91	AUX	016	QX	0475 A13D	6/20E-0-3387 VA036 6/20E-0-4468G	C 1VA575	A	AD3A09
OFZ -VA037	VA	DMPR MOTOR 401YB/ACTUATOR	F/L2903	ITT NH91	AUX	019	QX	0475 A13D	6/20E-0-3384 6/20E- 6/20E-0-4469L	2VA720	A	AD3A09
OFZ -VA038	VA	DMPR MOTOR 401YA/ACTUATOR	F/L2903	ITT NH91	AUX	019	QX	0475 A13D	6/20E-0-3387 6/20E- 6/20E-0-4469L	C 2VA719	A	AD3A09
OFZ -VA341AA	VA	DMPR 58YA ACTUATOR	F/L2903	ITT NH95	AUX	018	UX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4469R	1VA456	A	AD3A09
OFZ -VA341AB	VA	DMPR 58YB ACTUATOR	F/L2903	ITT NH95	AUX	018	UX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4469R	1VA459	A	AD3A09
OFZ -VA341AC	VA	DMPR 58YC ACTUATOR	F/L2903	ITT NH95	AUX	019	UX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4469R	1VA462	A	AD3A09
OFZ -VA341BA	VA	DMPR 59YA ACTUATOR	F/L2903	ITT NH95	AUX	018	VX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4469R	1VA465	A	AD3A09
OFZ -VA341BB	VA	DMPR 59YB ACTUATOR	F/L2903	ITT NH95	AUX	018	VX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4469R	1VA468	A	AD3A09
OFZ -VA342AA	VA	DMPR 53YA ACTUATOR	F/L2903	ITT NH95	AUX	018	UX	0451 A13D	6/20E-0-3375 6/20E- 6/20E-0-4469Q	1VA517	A	AD3A09
OFZ -VA342AB	VA	DMPR 53YB ACTUATOR	F/L2903	ITT NH95	AUX	018	UX	0451 A13D	6/20E-0-3375 6/20E- 6/20E-0-4469Q	1VA520	A	AD3A09

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
OFZ -VA342AC	VA	DMPR 53YC ACTUATOR	F/L2903	ITT NH95	AUX	019	UX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4469Q	1VA523	A	AD3A09
OFZ -VA342BA	VA	DMPR 54YA ACTUATOR	F/L2903	ITT NH95	AUX	018	VX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4469Q	1VA536	A	AD3A09
OFZ -VA342BB	VA	DMPR 54YB ACTUATOR	F/L2903	ITT NH95	AUX	018	VX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4469Q	1VA539	A	AD3A09
OFZ -VA501 C	VA	DMPR 47YA ACTUATOR	F/L2903	ITT NH95	AUX	015	UX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4469R	1VA501	A	AD3A09
OFZ -VA501 D	VA	DMPR 47YB ACTUATOR	F/L2903	ITT NH95	AUX	016	UX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4469R	1VA504	A	AD3A09
OFZ -VA502 C	VA	DMPR 31YA ACTUATOR	F/L2903	ITT NH95	AUX	017	UX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4469Q	1VA569	A	AD3A09
OFZ -VA502 D	VA	DMPR 31YB ACTUATOR	F/L2903	ITT NH95	AUX	017	UX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4469P	1VA572	A	AD3A09
OFZ -VA503 C	VA	DMPR 79YA ACTUATOR	F/L2903	ITT NH95	AUX	019	UX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4469L	2VA650	A	AD3A09
OFZ -VA503 D	VA	DMPR 79YB ACTUATOR	F/L2903	ITT NH95	AUX	019	UX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4469L	2VA655	A	AD3A09
OFZ -VA504 C	VA	DMPR 83YA ACTUATOR	F/L2903	ITT NH95	AUX	019	UX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4469M	2VA650	A	AD3A09
OFZ -VA504 D	VA	DMPR 83YB ACTUATOR	F/L2903	ITT NH95	AUX	020	UX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4469M	2VA655	A	AD3A09

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW					
OFZ -VA713 A	VA	22YA ACTUATOR	F/L2903	ITT NH91	AUX	015	UX	0475 A13D	6/20E-0-3386 VA253 6/20E-0-4469N	1VA495	A	AD3A09
OFZ -VA713 B	VA	22YB ACTUATOR	F/L2903	ITT NH91	AUX	016	UX	0475 A13D	6/20E-0-3386 VA253 6/20E-0-4469N	1VA498	A	AD3A09
OFZ -VA714 A	VA	23YA ACTUATOR	F/L2903	ITT NH91	AUX	016	UX	0475 A13D	6/20E-0-3386 VA254 6/20E-0-4469N	1VA557	A	AD3A09
OFZ -VA714 B	VA	23YB ACTUATOR	F/L2903	ITT NH91	AUX	016	UX	0475 A13D	6/20E-0-3386 VA254 6/20E-0-4469N	1VA560	A	AD3A09
OFZ -VA715 A	VA	24YA ACTUATOR	F/L2903	ITT NH91	AUX	017	UX	0475 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469F	2VA711	A	AD3A09
OFZ -VA715 B	VA	24YB ACTUATOR	F/L2903	ITT NH91	AUX	017	UX	0475 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469F	2VA715	A	AD3A09
OFZ -VA716 A	VA	25YA ACTUATOR	F/L2903	ITT NH91	AUX	017	UX	0475 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469F	2VA712	A	AD3A09
OFZ -VA716 B	VA	25YB ACTUATOR	F/L2903	ITT NH91	AUX	017	UX	0475 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469G	2VA716	A	AD3A09
OFZ -VA717	VA	57Y ACTUATOR	F/L2903	ITT NH91	AUX	018	UX	0475 A13D	6/20E-0-3386 VA257 6/20E-0-4469S	1VA713	A	AD3A09
OFZ -VA718	VA	62Y ACTUATOR	F/L2903	ITT NH91	AUX	018	UX	0475 A13D	6/20E-0-3386 VA258 6/20E-0-4469S	1VA714	A	AD3A09
OFZ -VA719 A	VA	67YA ACTUATOR	F/L2903	ITT NH91	AUX	019	UX	0475 A13D	6/20E-0-3386 VA259 6/20E-0-4469J	1VA563	A	AD3A09

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			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW					ELEV	ZONE
OFZ -VA719 B	VA	67 ACTUATOR	F/L2903	ITT NH91	AUX	019	UX	0475	A13D	6/20E-O-3386 VA259 6/20E-O-4469J	1VA566	A	AD3A09
OFZ -VA720 A	VA	72YA ACTUATOR	F/L2903	ITT NH91	AUX	020	UX	0475	A13D	6/20E-O-3386 6/20E- 6/20E-O-4469J	2VA713	A	AD3A09
OFZ -VA720 B	VA	72YB ACTUATOR	F/L2903	ITT NH91	AUX	020	UX	0475	A13D	6/20E-O-3386 6/20E- 6/20E-O-4469K	2VA717	A	AD3A09

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AD3A09

SPEC. NUM.: F/L2903
 SYSTEM : VA
 SAFETY CAT: A
 FUNCTION : ACTUATION OF HVAC DAMPERS
 ENVR ZONE : A13D
 COMP/EQUIP: DAMPER MOTOR ACTUATOR
 MANUF. : ITT GENERAL CONTROLS
 MODEL SUPP: NH91,NH95

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER : PLT DES:	QUALIFICATION:	METHOD	DOCUMENT REFERENCE		NUMBER:
TEMP DEG F : MAX 122 :	MAX 250 :	TYPE TEST :	ITT REPORT NO. 730.1.140,	REFER TO ENVIRONMENTAL QUALIFICATION BINDER	AD3A09 :
PRESS PSIG : -0.009 :	6 PSIG :	TYPE TEST :	TEST REPORT FOR REQUALIFIC-	NO. EQ-BB037 FOR COMPLETE DOCUMENTATION	:
REL HUMID % : 70 :	100 :	TYPE TEST :	ATION OF ITT GC NH90 SERIES :	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	:
RADIATION : 1E06 :	1E07 :	TYPE TEST :	HYDRMOTOR ACTUATORS (W/ INC-		:
CHEM SPRAY : N/A :	N/A :	N/A :	LUSION OF APPENDICES A THRU-		:
OPE TME MN : CONT. :	CONT. :	TYPE TEST :	:J).		:
QUAL. LIFE : 40 :	40 :	TYPE TEST :		40 YRS. QUALIFICATION BASED ON PERFORMING THE	:
SUBMERGENCE : N/A :	N/A :	N/A :		SCHEDULED REPLACEMENT & SURVEILANCE REQUIRE-	:
				MENTS AS INDICATED ON TAB E OF EQ-BB037.	:

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW					
OVAO22YA	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX			0476 A13D	N/A	N/A	N/A	AD3G07
OVAO22YB	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX			0476 A13D	N/A	N/A	N/A	AD3G07
OVAO23YA	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX			0476 A13D	N/A	N/A	N/A	AD3G07
OVAO23YB	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX			0476 A13D	N/A	N/A	N/A	AD3G07
OVAO24YA	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX			0476 A13D	N/A	N/A	N/A	AD3G07
OVAO24YB	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX			0476 A13D	N/A	N/A	N/A	AD3G07
OVAO25YA	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX			0476 A13D	N/A	N/A	N/A	AD3G07
OVAO25YB	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX			0451 A13D	N/A	N/A	N/A	AD3G07
OVAO53YA	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX			0451 A13D	N/A	N/A	N/A	AD3G07
OVAO53YB	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX			0451 A13D	N/A	N/A	N/A	AD3G07
OVAO53YC	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX			0451 A13D	N/A	N/A	N/A	AD3G07

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ELEV ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW					
OVA054YA	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX			0451 A13D N/A	N/A	N/A	AD3G07	
OVA054YB	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX			0451 A13D N/A	N/A	N/A	AD3G07	
OVA057Y	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX			0476 A13D N/A	N/A	N/A	AD3G07	
OVA058YA	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX			0451 A13D N/A	N/A	N/A	AD3G07	
OVA058YB	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX			0451 A13D N/A	N/A	N/A	AD3G07	
OVA058YC	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX			0451 A13D N/A	N/A	N/A	AD3G07	
OVA059YA	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX			0451 A13D N/A	N/A	N/A	AD3G07	
OVA059YB	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX			0451 A13D N/A	N/A	N/A	AD3G07	
OVA062Y	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX			0476 A13D N/A	N/A	N/A	AD3G07	
OVA067YA	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX			0476 A13D N/A	N/A	N/A	AD3G07	
OVA067YB	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX			0476 A13D N/A	N/A	N/A	AD3G07	

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW					
OVA072YA	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX		0476	A13D	N/A	N/A	N/A	AD3G07
OVA072YB	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX		0476	A13D	N/A	N/A	N/A	AD3G07
OVA079YA	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX		0476	A13D	N/A	N/A	N/A	AD3G07
OVA079YB	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX		0476	A13D	N/A	N/A	N/A	AD3G07
OVA084YA	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX		0451	A13D	N/A	N/A	N/A	AD3G07
OVA084YB	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX		0451	A13D	N/A	N/A	N/A	AD3G07
OVA085YA	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX		0451	A13D	N/A	N/A	N/A	AD3G07
OVA085YB	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX		0451	A13D	N/A	N/A	N/A	AD3G07
OVA086YA	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX		0451	A13D	N/A	N/A	N/A	AD3G07
OVA086YB	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX		0451	A13D	N/A	N/A	N/A	AD3G07
OVA087YA	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX		0451	A13D	N/A	N/A	N/A	AD3G07

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW					
OVA087YB	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX		0451	A13D	N/A	N/A	N/A	AD3G07
OVA088YA	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX		0451	A13D	N/A	N/A	N/A	AD3G07
OVA088YB	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX		0451	A13D	N/A	N/A	N/A	AD3G07
OVA089YA	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX		0451	A13D	N/A	N/A	N/A	AD3G07
OVA089YB	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX		0451	A13D	N/A	N/A	N/A	AD3G07
OVA090YA	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX		0451	A13D	N/A	N/A	N/A	AD3G07
OVA090YB	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX		0476	A13D	N/A	N/A	N/A	AD3G07
OVA400YA	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX		0476	A13D	N/A	N/A	N/A	AD3G07
OVA400YB	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX		0476	A13D	N/A	N/A	N/A	AD3G07
OVA424YA	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX		0476	A13D	N/A	N/A	N/A	AD3G07
OVA424YB	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX		0476	A13D	N/A	N/A	N/A	AD3G07

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW					ELEV
OVA425YA	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX		0476	A13D	N/A	N/A	N/A	AD3G07
OVA425YB	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX		0476	A13D	N/A	N/A	N/A	AD3G07
OVA427YA	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX		0476	A13D	N/A	N/A	N/A	AD3G07
OVA427YB	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX		0476	A13D	N/A	N/A	N/A	AD3G07
OVA478Y	VA	DAMPER	F/L2903	PAP AIR PROD.	AUX		0443	A13D	N/A	N/A	N/A	AD3G07

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AD3G07

SPEC. NUM.: F/L2903
 SYSTEM : VA
 SAFETY CAT: N/A
 FUNCTION : CONTROL AIR FLOW
 ENVR ZONE : A13D
 COMP/EQUIP: DAMPER
 MANUF. : PACIFIC AIR PRODUCTS
 MODEL SUPP:
 FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER
TEMP DEG F	122	SEE	SEE	N/A	AD3G07
PRESS PSIG	0.009	REMARKS	REMARKS	REFER TO ENVIRONMENTAL QUALIFICATION BINDER	
REL HUMID %	70			NO. CQD- N/A FOR COMPLETE DOCUMENTATION	
RADIATION	1E06			PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
CHEM SPRAY	N/A			ITEMS DO NOT CONTAIN ANY NON-METALLIC COMPONENTS; THEREFORE NO E.Q. IS REQUIRED.	
OPE TME MN	INTER.			NO BINDER IS REQUIRED.	
QUAL. LIFE	40 YRS.				
SUBMERGENCE	N/A				

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			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW					
1PT -935	SI	PRESSURE TRANSMITTER	F/L2702	BRN 752	AUX	011	S	0451	A13D			AD3E15
1PT -936	SI	PRESSURE TRANSMITTER	F/L2702	BRN 752	AUX	012	VX	0451	A13D	6/20E-1-3372 6/20E-1-4031 CS02 6/20E-1-4109J	1CS088 A	AD3E15
1PT -937	SI	PRESSURE TRANSMITTER	F/L2702	BRN 752	AUX	012	UX	0462	A13D	6/20E-1-3372 6/20E-1-4031 CS03 6/20E-1-4109D	1CS089 A	AD3E15
2LT -930	SI	LEVEL TRNSMTTER	F/L2702	BRN 752	AUX	021	BB	0364	A13D	6/20E-0-3316 6/20E-2-4030 SIO1 6/20E-2-4109C	C 2SI467 A	AD3E15
2LT -931	SI	LEVEL TRNSMTTER	F/L2702	BRN 752	AUX	022	BB	0364	A13D	6/20E-0-3316 6/20E-2-4030 SIO2 6/20E-2-4109C	C 2SI468 A	AD3E15
2LT -932	SI	LEVEL TRNSMTTER	F/L2702	BRN 752	AUX	022	BB	0364	A13D	6/20E-0-3316 6/20E-2-4030 SIO3 6/20E-2-4109C	C 2SI469 A	AD3E15
2LT -933	SI	LEVEL TRNSMTTER	F/L2702	BRN 752	AUX	022	AA	0364	A13D	6/20E-0-3316 6/20E-2-4030 SIO4 6/20E-2-4109C	C 2SI470 A	AD3E15
2PT -936	SI	PRESSURE TRANSMITTER	F/L2702	BRN 752	AUX	024	VX	0451	A13D	6/20E-2-3372 6/20E-2-4031 CS02 6/20E-2-4109J	2CS088 A	AD3E15
2PT -937	SI	PRESSURE TRANSMITTER	F/L2702	BRN 752	AUX	024	UX	0451	A13D	6/20E-2-3372 6/20E-2-4031 CS03 6/20E-2-4109D	2CS089 A	AD3E15

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AD3E15

SPEC. NUM.: F/L2702

SYSTEM : SI

SAFETY CAT: A

FUNCTION : CONTAINMENT PRESSURE, RWST LEVEL

ENVR ZONE : A13D

COMP/EQUIP: DIFFERENTIAL PRESSURE TRANSMITTER

MANUF. : BARTON

MODEL SUPP: 752

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	122	130	TYPE TEST	WESTINGHOUSE EQUIPMENT QUAL TEST REPORT 4A.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQDP-ESE-4 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	AD3E15
PRESS PSIG	0	0	TYPE TEST			
REL HUMID %	70	95	TYPE TEST			
RADIATION	1E05	1E05	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TEST/ANALYSIS			
QUAL. LIFE	40 YRS.	5 YRS.	TEST/ANALYSIS			
SUBMERGENCE	N/A	N/A	N/A			

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			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW					
1PT-PC005	PC	DIFFERENTIAL PRESSURE TRANSMITTER	F/L2702 L/L2906	BRN 764	AUX			0451	A13D		B	AD3E6L
2PT-PC005	PC	DIFFERENTIAL PRESSURE TRANSMITTER	F/L2702 L/L2906	BRN 764	AUX			0451	A13D		B	AD3E6L

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AD3E6L

SPEC. NUM.: F/L2702,F/L2906

SYSTEM : PC

SAFETY CAT: B

FUNCTION : MONITOR CONTAINMENT FLOOR DRAIN SUMP CHANNELS AGB, AND CONTAINMENT WATER LEVEL

ENVR ZONE : A13D

COMP/EQUIP: DIFFERENTIAL PRESSURE TRANSMITTER

MANUF. : BARTON

MODEL SUPP: 764

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	PLT DES	QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	122	420	TYPE TEST	ITT BARTON REPORT NO. R3-7649, REV. 3 DATED 10/5/82	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BBO63 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	AD3E6L
PRESS PSIG	-0.5 TO 0 IN. WG	75	TYPE TEST			
REL HUMID %	100	100	TYPE TEST			
RADIATION	1E06	2E08	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	40 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

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					BDG	COL	ROW						
OPDC-VA035	VA	PRESSURE DIFFR. CONTROLLER	F/L2783	LOV 54-8187-8115 -8174-8134 RC501	AUX	014	QX	0465	A13D	6/20E-O-3384 6/20E-O-4461B	C 1FP111 OVA01JA	A	AD3E20
OPDC-VA036	VA	PRESSURE DIFFR. CONTROLLER	F/L2783	LOV 54-8187-8115 -8174-8134 RC533	AUX	014	QX	0465	A13D	6/20E-O-3384 6/20E-O-4465E	C 1FP108 OVA01JB	A	AD3E20
OPDC-VA037	VA	PRESSURE DIFFR. CONTROLLER	F/L2783	LOV 54-8187-8115 -8174-8134 RC533	AUX	020	QX	0465	A13D	6/20E-O-3384 6/20E-O-4466D	C 2VA006 OVA01JC	A	AD3E20
OPDC-VA038	VA	PRESSURE DIFFR. CONTROLLER	F/L2783	LOV 54-8187-8115 -8174-8134 RC533	AUX	020	QX	0465	A13D	6/20E-O-3384 6/20E-O-4462A	C 2VA012 OVA01JD	A	AD3E20

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AD3E20

SPEC. NUM : F/L2783
 SYSTEM : VA
 SAFETY CAT: A
 FUNCTION : PRESSURE DIFFERENTIAL CONTROL
 ENVR ZONE : A13D
 COMP/EQUIP: PRESSURE DIFFERENTIAL CONTROLLER
 MANUF. : LOV
 MODEL SUPP: 54-8187-8115-8174-8134

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	DOCUMENT REFERENCE	NUMBER
		METHOD		
TEMP DEG F	104	SEE		AD3E20
		REMARKS	REFER TO ENVIRONMENTAL QUALIFICATION BINDER	
PRESS PSIG	-0.5 TO		NO. EQ-BB077 FOR COMPLETE DOCUMENTATION	
	0 IN. WG		PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	70			
RADIATION	1E04			
CHEM SPRAY	N/A		THE RADIATION LEVEL AT THIS LOCATION HAS BEEN	
OPE TME MN			ANALYTICALLY DETERMINED TO BE 1E04. EQUIPMENT	
QUAL. LIFE	40 YRS.		IS NOT SUBJECTED TO A HARSH ENVIRONMENT AND	
SUBMERGENCE	N/A		THEREFORE NOT IN THE SCOPE.	

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OFIC-VA713	VA	FLOW INDICATING CONTROLLER	F/L2783	LOV 54-8187-8115 RC529	AUX	014	QX	0465	A13D 6/20E-0-3384 6/20E-0-4461B	C 1FP111 OVAO1JA	A	AD3E16
OFIC-VA714	VA	FLOW INDICATING CONTROLLER	F/L2783	LOV 54-8187-8115 RC529	AUX	014	QX	0465	A13D 6/20E-0-3384 6/20E-0-4465E	C 1FP10B OVAO1JB	A	AD3E16
OFIC-VA715	VA	FLOW INDICATING CONTROLLER	F/L2783	LOV 54-8187-8115 RC529	AUX	020	QX	0465	A13D 6/20E-0-3384 6/20E-0-4466D	C 2VAO06 OVAO1JC	A	AD3E16
OFIC-VA716	VA	FLOW INDICATING CONTROLLER	F/L 783	LOV 54-8187-8115 RC529	AUX	020	QX	0465	A13D 6/20E-0-3384 6/20E-0-4462A	C 2VAO12 CVAO1JD	A	AD3E16
OFIC-VA717	VA	FLOW INDICATING CONTROLLER	F/L2783	LOV 54-8187-8115 RC530	AUX	014	QX	0465	A13D 6/20E-0-3384 6/20E-0-4461B	C 1FP111 OVAO1JA	A	AD3E16
OFIC-VA718	VA	FLOW INDICATING CONTROLLER	F/L2783	LOV 54-8187-8115 RC530	AUX	014	QX	0465	A13D 6/20E-0-3384 6/20E-0-4465E	C 1FP10B OVAO1JB	A	AD3E16
OFIC-VA719	VA	FLOW INDICATING CONTROLLER	F/L2783	LOV 54-8187-8115 RC530	AUX	014	QX	0465	A13D 6/20E-0-3384 6/20E-0-4465E	C 1FP10B OVAO1JB	A	AD3E16
OFIC-VA720	VA	FLOW INDICATING CONTROLLER	F/L2783	LOV 54-8187-8115 RC530	AUX	020	QX	0465	A13D 6/20E-0-3384 6/20E-0-4466D	C 2VAO06 OVAO1JC	A	AD3E16

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AD3E16

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : MEASURE FLOW.

ENVR ZONE : A13D

COMP/EQUIP: FLOW INDICATING CONTROLLER

MANUF. : LOV MATIC SWITCH CO.

MODEL SUPP: 54-8187-8115-8174

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT:	QUALIFICATION:	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES: QUALIFICATION:	METHOD	DOCUMENT REFERENCE	NUMBER:
TEMP DEG F	122	SEE REMARKS.		AD3E16
PRESS PSIG	0		REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB077 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	70			
RADIATION	1E04			
CHEM SPRAY	N/A		THE RADIATION LEVEL AT THIS LOCATION HAS BEEN ANALYTICALLY DETERMINED TO BE 1E04. EQUIPMENT IS NOT SUBJECTED TO A HARSH ENVIRONMENT AND THEREFORE NOT IN THE SCOPE.	
OPE TME MN	CONT.			
QUAL. LIFE				
SUBMERGENCE	N/A			

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OPDY-VA035 A	VA	PRESSURE DIFFR. RELAY	F/L2783	MRE ADM MD538	AUX 014 QX 0465 A13D	6/20E-0-3384 6/20E-0-4461B	C 1FP111 OVA01JA	A	AD3E23
OPDY-VA035 B	VA	PRESSURE DIFFR. RELAY	F/L2783	MRE DCA MD538	AUX 014 QX 0465 A13D	6/20E-0-3384 6/20E-0-4461B	C 1FP111 OVA01JA	A	AD3E23
OPDY-VA036 A	VA	PRESSURE DIFFR. RELAY	F/L2783	MRE ADM MD538	AUX 014 QX 0465 A13D	6/20E-0-3384 6/20E-0-4465E	C 1FP108 OVA01JB	A	AD3E23
OPDY-VA036 B	VA	PRESSURE DIFFR. RELAY	F/L2783	MRE DCA MD538	AUX 014 QX 0465 A13D	6/20E-0-3384 6/20E-0-4465E	C 1FP108 OVA01JB	A	AD3E23
OPDY-VA037 A	VA	PRESSURE DIFFR. RELAY	F/L2783	MRE ADM MD539	AUX 020 QX 0465 A13D	6/20E-0-3384 6/20E-0-4466D	C 2VA006 OVA01JC	A	AD3E23
OPDY-VA037 B	VA	PRESSURE DIFFR. RFLAY	F/L2783	MRE DCA MD539	AUX 020 QX 0465 A13D	6/20E-0-3384 6/20E-0-4466D	C 2VA006 OVA01JD	A	AD3E23
OPDY-VA038 A	VA	PRESSURE DIFFR. RELAY	F/L2783	MRE ADM MD539	AUX 020 QX 0465 A13D	6/20E-0-3384 6/20E-0-4462A	C 2VA012 OVA01JD	A	AD3E23
OPDY-VA038 B	VA	PRESSURE DIFFR. RELAY	F/L2783	MRE DCA MD539	AUX 020 QX 0465 A13D	6/20E-0-3384 6/20E-0-4462A	C 2VA012 OVA01JD	A	AD3E23

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AD3E23

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : PRESS,DIF,SIGNAL CONVERTER

ENVR ZONE : A13D

COMP/EQUIP: PRESSURE DIFFERENTIAL RELAY

MANUF. : MRE

MODEL SUPP: ADM,DCA

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	REMARKS	COMP	
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER
TEMP DEG F	104	SEE			AD3E23
		REMARKS			
PRESS PSIG	-.50 TO			REFER TO ENVIRONMENTAL QUALIFICATION BINDER	
	0 IN.WG			NO. EQ-BB074 FOR COMPLETE DOCUMENTATION	
REL HUMID %	70			PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
RADIATION	1E04				
CHEM SPRAY	N/A			THE RADIATION LEVEL AT THIS LOCATION HAS BEEN	
OPE TME MN				ANALYTICALLY DETERMINED TO BE 1E04. EQUIPMENT	
QUAL. LIFE	40 YRS.			IS NOT SUBJECTED TO A HARSH ENVIRONMENT AND	
SUBMERGENCE	N/A			THEREFORE NOT IN THE SCOPE.	

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OPDS-VA105	VA	PRESSURE DIFFR. SWITCH	F/L2783	SLN 7PS/7P2A PS602	AUX 014 QX 0455 A13D	6/20E-0-3384	6/20E-0-4461B	C 1FP111 OVA01JA	A	AD3E21
OPDS-VA115	VA	PRESSURE DIFFR. SWITCH	F/L2783	SLN 7PS/7P2A PS602	AUX 014 QX 0465 A13D	6/20E-0-3384	6/20E-0-4465E	C 1FP108 OVA01JB	A	AD3E21
OPDS-VA125	VA	PRESSURE DIFFR. SWITCH	F/L2783	SLN 7PS/7P2A PS602	AUX 020 QX 0465 A13D	6/20E-0-3384	6/20E-0-4466D	C 2VA006 OVA01JC	A	AD3E21
OPDS-VA135	VA	PRESSURE DIFFR. SWITCH	F/L2783	SLN 7PS/7P2A PS602	AUX 020 QX 0465 A13D	6/20E-0-3384	6/20E-0-4462A	C 2VA012 OVA01JD	A	AD3E21
OPDS-VA205	VA	PRESSURE DIFFR. SWITCH	F/L2783	SLN 7PS/7P2 PS608	AUX 014 QX 0465 A13D	6/20E-0-3384	6/20E-0-4461B	C 1FP111 OVA01JA	A	AD3E21
OPDS-VA215	VA	PRESSURE DIFFR. SWITCH	F/L2783	SLN 7PS/7P2 PS608	AUX 014 QX 0465 A13D	6/20E-0-3384	6/20E-0-4465E	C 1FP108 OVA01JB	A	AD3E21
OPDS-VA225	VA	PRESSURE DIFFR. SWITCH	F/L2783	SLN 7PS/7P2 PS608	AUX 020 QX 0465 A13D	6/20E-0-3384	6/20E-0-4465D	C 2VA006 OVA01JC	A	AD3E21
OPDS-VA235	VA	PRESSURE DIFFR. SWITCH	F/L2783	SLN 7PS/7P2 PS608	AUX 020 QX 0465 A13D	6/20E-0-3384	6/20E-0-4462A	C 2VA012 OVA01JD	A	AD3E21
OPDS-VA306	VA	PRESSURE DIFFR. SWITCH	F/L2783	SLN 7PS/7P2 PS625	AUX 014 QX 0465 A13D	6/20E-0-3384	6/20E-0-4461B	C 1FP111 OVA01JA	A	AD3E21
OPDS-VA309	VA	PRESSURE DIFFR. SWITCH	F/L2783	SLN 7PS/7P2 PS626	AUX 014 QX 0465 A13D	6/20E-0-3384	6/20E-0-4465E	C 1FP108 OVA01JB	A	AD3E21
OPDS-VA316	VA	PRESSURE DIFFR. SWITCH	F/L2783	SLN 7PS/7P2 PS626	AUX 020 QX 0465 A13D	6/20E-0-3384	6/20E-0-4460D	C 2VA006 OVA01JC	A	AD3E21

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW					
OPDS-VA319	VA	PRESSURE DIFFR. SWITCH	F/L2783	SLN 7PS/7P2 PS627	AUX	020	QX	0465 A13D	6/20E-0-3384	C 2VAO12 OVAO1JD	A	AD3E21
									6/20E-0-44E2A			
OPDS-VA326	VA	PRESSURE DIFFR. SWITCH	F/L2783	SLN 7PS/7P2 PS627	AUX	014	QX	0465 A13D	6/20E-0-3384	C 1FP108 OVAO1JB	A	AD3E21
									6/20E-0-4465E			
OPDS-VA329	VA	PRESSURE DIFFR. SWITCH	F/L2783	SLN 7PS/7P2 PS628	AUX	020	QX	0465 A13D	6/20E-0-3384	C 2VAO06 OVAO1JC	A	AD3E21
									6/20E-0-4466D			
OPDS-VA336	VA	PRESSURE DIFFR. SWITCH	F/L2783	SLN 7PS/7P2 PS628	AUX	014	QX	0465 A13D	6/20E-0-3384	C 1FP111 OVAO1JA	A	AD3E21
									6/20E-0-4461B			
OPDS-VA339	VA	PRESSURE DIFFR. SWITCH	F/L2783	SLN 7PS/7P2 PS629	AUX	014	QX	0465 A13D	6/20E-0-3384	C 1FP108 OVAO1JB	A	AD3E21
									6/20E-0-4465E			

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AD3E21

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION :

ENVR ZONE : A13D

COMP/EQUIP: DIFFERENTIAL PRESSURE SWITCH

MANUF. : SOLON

MODEL SUPP: 7PS/7P2

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER : PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER
TEMP DEG F : 104	SEE		REFER TO ENVIRONMENTAL QUALIFICATION BINDER	AD3E21
PRESS PSIG : -.50 TO	REMARKS		NO. EQ-BB075 FOR COMPLETE DOCUMENTATION	
REL HUMID % : 70			PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
RADIATION : 1E04				
CHEM SPRAY : N/A			THE RADIATION LEVEL AT THIS LOCATION HAS BEEN	
OPE TME MN :			ANALYTICALLY DETERMINED TO BE 1E04. EQUIPMENT	
QUAL. LIFE : 40 YRS.			IS NOT SUBJECTED TO A HARSH ENVIRONMENT AND	
SUBMERGENCE : N/A			THEREFORE NOT IN THE SCOPE.	

3306

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						
1PS -FP171		FP PRESSURE SWITCH F/L2906	UEL	J302-S164 PS168	AUX	012	VX	0467	A13D	20E-1-3382 20E- 20E-1-4976A	1FP420	A	AD3E14
2PS -FP171		FP PRESSURE SWITCH F/L2906	UEL	J302-S164 PS168	AUX				A13D	6E- 6E- 6E-2-4967A	2FP420	A	AD3E14

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AD3E14

SPEC. NUM.: F/L2906
SYSTEM : FP
SAFETY CAT. D & A
FUNCTION : CHARCOAL FILTER FIRE PROTECTION WATER PRESSURE
ENVR ZONE : A13D
COMP/EQUIP: PRESSURE SWITCH
MANUF. : UNITED ELECTRIC
MODEL SUPP: J302-S164

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT PARAMETER	ENVIRONMENT FLT DES	QUALIFICATION QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	122	147	TYPE TEST	WYLE LABORATORIES QUALIFI- CATION REPORT 17612-1.	(*QUALIFICATION TO RADIATION BY ANALYSIS). INTERIM JUSTIFICATION HAS BEEN PROVIDED. ADDITIONAL TESTING FOR RADIATION WILL BE PERFORMED. SEE S&L LETTER TO WYLE DATED 4-27-84.	AD3E14
PRESS PSIG	-.25 TO 0 IN.WG	AMBIENT	TYPE TEST			
REL HUMID %	70	95	TYPE TEST			
RADIATION	1E06	1E06	ANALYSIS*			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	40 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

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					DDG	COL	ROW						ELEV
OPDT-VA035 A	VA	PRESSURE DIFFR. TRANSMITTER	F/L2783	VAL P361D PT507	AUX	015	YX	0426	A13D	6/20E-O-3386 6/20E- 6/20E-4468G	C 1VA703	A	AD3E22
OPDT-VA036 A	VA	PRESSURE DIFFR. TRANSMITTER	F/L2783	VAL P361D PT521	AUX	015	VX	0426	A13D	6/20E-O-3386 VA036 6/20E-O-4465G	C 1VA707	A	AD3E22
OPDT-VA037 A	VA	PRESSURE DIFFR. TRANSMITTER	F/L2783	VAL P361D PT522	AUX	021	YX	0426	A13D	6/20E-O-3386 6/20E- 6/20E-O-4468G	C 2VA707	A	AD3E22
OPDT-VA037 C	VA	PRESSURE DIFFR. TRANSMITTER	F/L2783	VAL P361D PT522	AUX	025	NX	0426	A13D	6/20E- 6/20E- 6/20E-O-4468G	2VA709	A	AD3E22
OPDT-VA038 A	VA	PRESSURE DIFFR. TRANSMITTER	F/L2783	VAL P361D PT523	AUX	021	YX	0426	A13D	6/20E-O-3386 6/20E- 6/20E-O-4468G	C 2VA703	A	AD3E22

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AD3E22

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : AUX BLDG PRESSURE DIFFERENTIAL

ENVR ZONE : A13D

COMP/EQUIP: PRESSURE DIFFERENTIAL

MANUF. : VALIDYNE

MODEL SUPP: P361D

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER
TEMP DEG F	104	SEE		REFER TO ENVIRONMENTAL QUALIFICATION BINDER	AD3E22
		REMARKS		NO. EQ-BB097 FOR COMPLETE DOCUMENTATION	
PRESS PSIG	.5 TO			PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
	0 IN. WG				
REL HUMID %	70				
RADIATION	1E04				
CHEM SPRAY	N/A			THE RADIATION LEVEL AT THIS LOCATION HAS BEEN	
OPE TME MN	CONT.			ANALYTICALLY DETERMINED TO BE 1E04. EQUIPMENT	
QUAL. LIFE				IS NOT SUBJECTED TO A HARSH ENVIRONMENT AND	
SUBMERGENCE	N/A			THEREFORE NOT IN THE SCOPE.	

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			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV	
OFT -VA713	VA	FLOW TRANSMITTR	F/L2783	VAL	P361D FT508	AUX	015	VX	0475	A13D	6/20E-0-3386 VA253 6/20E-0-4468G	C 1VA181	A	A1AE17
OFT -VA714	VA	FLOW TRANSMITTR	F/L2783	VAL	P361D FT508	AUX	016	VX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4468G	1VA182	A	A1AE17
OFT -VA715	VA	FLOW TRANSMITTR	F/L2783	VAL	P361D FT508	AUX	017	VX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4468G	2VA151	A	A1AE17
OFT -VA716	VA	FLOW TRANSMITTR	F/L2783	VAL	P361D FT508	AUX	018	VX	0475	A13D	6/20E-0-3387 6/20E- 6/20E-0-4468G	2VA182	A	A1AE17
OFT -VA717	VA	FLOW TRANSMITTR	F/L2783	VAL	P361D FT509	AUX	018	VX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4468G	1VA184	A	A1AE17
OFT -VA718	VA	FLOW TRANSMITTR	F/L2783	VAL	P361D FT509	AUX	019	VX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4468G	1VA185	A	A1AE17
OFT -VA719	VA	FLOW TRANSMITTR	F/L2783	VAL	P361D FT509	AUX	019	VX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4468G	1VA721	A	A1AE17
OFT -VA720	VA	FLOW TRANSMITTR	F/L2783	VAL	P361D FT509	AUX	020	VX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4468G	1VA184	A	A1AE17

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A1AE17

SPEC. NUM.: F/L2783
SYSTEM : VA
SAFETY CAT: A
FUNCTION : MEASURE FLOW
ENVR ZONE : A13D
COMP/EQUIP: FLOW TRANSMITTER
MANUF. : VALIDYNE
MODEL SUPP: P361D

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT PARAMETER	PLT DES	QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	104	SEE REMARKS				A1AE17
PRESS PSIG	-0.5 TO 0 IN.WG					
REL HUMID %	70					
RADIATION	1E04				THE RADIATION LEVEL AT THIS LOCATION HAS BEEN ANALYTICALLY DETERMINED TO BE 1E04. EQUIPMENT IS NOT SUBJECTED TO A HARSH ENVIRONMENT AND THEREFORE NOT IN THE SCOPE.	
CHEM SPRAY	N/A					
OPER TME MN						
QUAL. LIFE						
SUBMERGENCE	N/A					

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---					ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE					
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	015	SX	0467	A13D				A	AD3E6S
												OHS -VA511		
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	015	UX	0459	A13D				A	AD3E6S
												OHS -VA512		
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	015	SX	0451	A13D				A	AD3E6S
												OHS -VA513		
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	018	UX	0467	A13D				A	AD3E6S
												OHS -VA514		
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	018	UX	0459	A13D				A	AD3E6S
												OHS -VA515		
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	018	SX	0451	A13D				A	AD3E6S
												OHS -VA516		
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	018	SX	0469	A13D				A	AD3E6S
												OHS -VA517		
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	018	UX	0459	A13D				A	AD3E6S
												OHS -VA518		
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	021	SX	0451	A13D				A	AD3E6S
												OHS -VA519		
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	021	SX	0467	A13D				A	AD3E6S
												OHS -VA520		
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	021	UX	0459	A13D				A	AD3E6S
												OHS -VA521		

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ELEV	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW					
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	021	SX	0451	A13D	OHS -VA522	A	AD3E6S
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	015	VX	0467	A13D	OHS -VA523	A	AD3E6S
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	015	SX	0459	A13D	OHS -VA524	A	AD3E6S
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	015	SX	0451	A13D	OHS -VA525	A	AD3E6S
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	018	SX	0467	A13D	OHS -VA526	A	AD3E6S
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	018	UX	0459	A13D	OHS -VA527	A	AD3E6S
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	018	UX	0451	A13D	OHS -VA528	A	AD3E6S
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	021	UX	0467	A13D	OHS -VA529	A	AD3E6S
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	021	UX	0459	A13D	OHS -VA530	A	AD3E6S
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	021	UX	0451	A13D	OHS -VA531	A	AD3E6S
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	015	VX	0467	A13D	OHS -VA532	A	AD3E6S

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW					
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	015	VX	0459	A13D		A	AD3E6S
										OHS -VA533		
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	015	VX	0451	A13D		A	AD3E6S
										OHS -VA534		
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	018	VX	0467	A13D		A	AD3E6S
										OHS -VA535		
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	018	VX	0459	A13D		A	AD3E6S
										OHS -VA536		
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	018	VX	0451	A13D		A	AD3E6S
										OHS -VA537		
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	021	VX	0467	A13D		A	AD3E6S
										OHS -VA538		
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	019	UX	0459	A13D		A	AD3E6S
										OHS -VA539		
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	021	VX	0451	A13D		A	AD3E6S
										OHS -VA540		
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	018	VX	0475	A13D		A	AD3E6S
										OHS -VA546		
N/A	VA	FUSE PULLOUT	F/L2783	ITE P302-C	AUX	018	VX	0451	A13D		A	AD3E6S
										OHS -VA547		

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AD3E6S

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : MAINTAIN CONTINUITY OF CLASS 1E CIRCUITS

ENVR ZONE : A13D

COMP/EQUIP: FUSE PULLOUT

MANUF. : GOULD-ITE

MODEL SUPP: P-302-C

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	ENVIRONMENT QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	122	130	TYPE TEST	1)AET'S TEST REPORT NO. 15281, REV. 2- 10/14/83	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB018 FOR COMPLETE DOCUMENTATION	AD3E6S
PRESS PSIG	0.0	0	TYPE TEST	2)AET'S RETESTING REPORT NO. 18987-84N, DATED DECEMBER, 1983.	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	70	90	TYPE TEST			
RADIATION	1E06	1E06	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	14 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
OFF428B		FP LIMIT SWITCH	F/L2718-2	NAM EA17031302	AUX	015	VX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4976A	1FP070	A	AD3D09
OFF428B		FP LIMIT SWITCH	F/L2718-2	NAM EA17032302	AUX	015	VX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4976A	1FP078	A	AD3D09
OFF428C		FP LIMIT SWITCH	F/L2718-2	NAM EA17031302	AUX	015	VX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4976A	1FP071	A	AD3D09
OFF428C		FP LIMIT SWITCH	F/L2718-2	NAM EA17032302	AUX	015	VX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4976A	1FP072	A	AD3D09
OFF428E		FP LIMIT SWITCH	F/L2718-2	NAM EA17031302	AUX	015	SX	0467	A13D	6/20E-0-3376 6/20E- 6/20E-0-4976A	2FP070	A	AD3D09
OFF428E		FP LIMIT SWITCH	F/L2718-2	NAM EA17032302	AUX	015	SX	0467	A13D	6/20E-0-3376 6/20E- 6/20E-0-4976A	2FP078	A	AD3D09
OFF428F		FP LIMIT SWITCH	F/L2718-2	NAM EA17031302	AUX	015	VX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4976B	2FP072	A	AD3D09
OFF428F		FP LIMIT SWITCH	F/L2718-2	NAM EA17032302	AUX	015	VX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4976B	2FP071	A	AD3D09
OFF428H		FP LIMIT SWITCH	F/L2718-2	NAM EA17031302	AUX	021	VX	0460	A13D	6/20E-0-3376 6/20E- 6/20E-0-4676B	2FP090	A	AD3D09
OFF428H		FP LIMIT SWITCH	F/L2718-2	NAM EA17032302	AUX	021	VX	0460	A13D	6/20E-0-3376 6/20E- 6/20E-0-4676B	1FP090	A	AD3D09
OFF428J		FP LIMIT SWITCH	F/L2718-2	NAM EA17031302	AUX	021	VX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4976B	2FP091	A	AD3D09

SARGENT & LUNDY ENGINEERS
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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
OFF428J	FP	LIMIT SWITCH	F/L2718-2	NAM EA17032302	AUX	021	VX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4976B	1FP091	A	AD3D09
OFF429A	FP	LIMIT SWITCH	F/L2718-2	NAM EA17031302	AUX	021	VX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4976B	1FP110	A	AD3D09
OFF429A	FP	LIMIT SWITCH	F/L2718-2	NAM EA17032302	AUX	021	VX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4976B	1FP108	A	AD3D09
OFF429B	FP	LIMIT SWITCH	F/L2718-2	NAM EA17031302	AUX	021	VX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4976C	1FP111	A	AD3D09
OFF429B	FP	LIMIT SWITCH	F/L2718-2	NAM EA17032302	AUX	021	VX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4976C	1FP107	A	AD3D09
1ZS-VQ015AA	VQ	LIMIT SWITCH	F/L2884	NAM EA17011302	AUX	013	WX	0475	A13D	6/20E-1-3382 6/20E- 6/20E-1-4536B	1VQ140	A	AD3D09
1ZS-VQ015BA	VQ	LIMIT SWITCH	F/L2884	NAM EA17012302	AUX	013	WX	0475	A13D	6/20E-1-3382 6/20E- 6/20E-1-4536B	1VQ141	A	AD3D09
2VQ003	VQ	LIMIT SWITCH	F/L2884	NAM EA17011302	AUX	023	VX	0467	A13D	6/20E-2-3382 6/20E- 6/20E-2-4536B	2VQ137	A	AD3D09
2VQ003	VQ	LIMIT SWITCH	F/L2884	NAM EA17012302	AUX	023	VX	0467	A13D	6/20E-2-3382 6/20E- 6/20E-2-4536B	2VQ140	A	AD3D09
2VQ004B	VQ	LIMIT SWITCH	F/L2884	NAM EA17011302	AUX	024	UX	0451	A13D	6/20E-2-3372 6/20E- 6/20E-	C 2VQ159	A	AD3D09
2VQ004B	VQ	LIMIT SWITCH	F/L2884	NAM EA17012302	AUX	024	UX	0451	A13D	6/20E-2-3372 6/20E- 6/20E-	C 2VQ159	A	AD3D09

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
2VQ005B		VQ LIMIT SWITCH	F/L2884	NAM EA17011302	AUX	023	VX	0467	A13D	6/20E-2-3382 6/20E- 6/20E-2-4536	2VQ184	A	AD3D09
2VQ005B		VQ LIMIT SWITCH	F/L2884	NAM EA17012302	AUX	023	VX	0467	A13D	6/20E-2-3382 6/20E- 6/20E-2-4536	2VQ184	A	AD3D09
2VQ005C		VQ LIMIT SWITCH	F/L2884	NAM EA17031302	AUX	023	UX	0467	A13D	6/20E-2-3382 6/20E- 6/20E-2-4536D	2VQ253	A	AD3D09
2VQ005C		VQ LIMIT SWITCH	F/L2884	NAM EA17032302	AUX	023	UX	0467	A13D	6/20E-2-3382 6/20E- 6/20E-2-4536D	2VQ253	A	AD3D09

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AD3D09

SPEC. NUM.: F/L2718-2,F/L2884

SYSTEM : FP,VQ

SAFETY CAT: A

FUNCTION : PROVIDE POSITION INDICATION

ENVR ZONE : A13D

COMP/EQUIP: LIMIT SWITCH

MANUF. : NAMCO CONTROLS

MODEL SUPP: EA170 SERIES

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES:QUALIFICATION:	METHOD	DOCUMENT REFERENCE		NUMBER:
TEMP DEG F	122 : 194	TYPE TEST	NAMCO CONTROL'S REP. QTR107	REFER TO ENVIRONMENTAL QUALIFICATION BINDER	AD3D09
			REV. 0 DATED 03/11/81 &	NO. EQ-BB055 FOR COMPLETE DOCUMENTATION	
PRESS PSIG	-0.5 TO : 0	TYPE TEST	REP. LP10767-2 REV. 4 DATED	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
	C IN.WG:		11/02/79.		
REL HUMID %	70 : 100	TYPE TEST			
RADIATION	1E06 : 2.04E08	TYPE TEST			
CHEM SPRAY	N/A : N/A	N/A			
OPE TME MN	CONT. : CONT.	TYPE TEST			
QUAL. LIFE	40 YRS. : 6.75 YRS.	TYPE TEST			
SUBMERGENCE	N/A : N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION --- BDG COL ROW ELEV ZONE	ENVR WIRING DIAGRAM NO.	SCHEMATIC DIAGRAM/ CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
1ZS-VQ012AA	VQ	LIMIT SWITCH	F/L2884	NAM EA18031302	AUX 012 SX 0451 A13D	6/20E-1-3372 6/20E- 6/20E-1-4687G	1VQ276	A	AD3D07
1ZS-VQ012BA	VQ	LIMIT SWITCH	F/L2884	NAM EA18032302	AUX 012 SX 0451 A13D	6/20E-1-3372 6/20E- 6/20E-1-4687G	1VQ275	A	AD3D07
1ZS-VQ014AA	VQ	LIMIT SWITCH OPERATOR	F/L2884	NAM EA18031302	AUX 012 UX 0451 A13D	6/20E-1-3372 6/20E- 6/20E-1-4687G	1VQ294	A	AD3D07
1ZS-VQ014BA	VQ	LIMIT SWITCH OPERATOR	F/L2884	NAM EA18032302	AUX 012 UX 0451 A13D	6/20E-1-3372 6/20E- 6/20E-1-4687G	1VQ293	A	AD3D07
1ZS-VQ017AA	VQ	LIMIT SWITCH	F/L2884	NAM EA18011302	AUX 012 UX 0451 A13D	6/20E-1-3373 6/20E- 6/20E-1-4536A	1VQ162	A	AD3D07
1ZS-VQ017BA	VQ	LIMIT SWITCH	F/L2884	NAM EA18012302	AUX 012 UX 0451 A13D	6/20E-1-3373 6/20E- 6/20E-1-4536A	1VQ163	A	AD3D07
1ZS-VQ019AA	VQ	LIMIT SWITCH	F/L2884	NAM EA18011302	AUX 013 VX 0472 A13D	6/20E-1-3382 6/20E- 6/20E-1-4536	1VQ187	A	AD3D07
1ZS-VQ019BA	VQ	LIMIT SWITCH	F/L2884	NAM EA18012302	AUX 013 VX 0472 A13D	6/20E-1-3382 6/20E- 6/20E-1-4536	1VQ188	A	AD3D07
1ZS-VQ025AA	VQ	LIMIT SWITCH	F/L2884	NAM EA18031302	AUX 013 VX 0467 A13D	6/20E-1-3382 6/20E- 6/20E-1-4536D	1VQ254	A	AD3D07
1ZS-VQ025BA	VQ	LIMIT SWITCH	F/L2884	NAM EA18032302	AUX 013 VX 0467 A13D	6/20E-1-3382 6/20E- 6/20E-1-4536D	1VQ255	A	AD3D07

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AD3D07

SPEC. NUM.: F/L2884

SYSTEM : VQ

SAFETY CAT: A

FUNCTION : PROVIDE POSITION INDICATION

ENVR ZONE : A13D

COMP/EQUIP: LIMIT SWITCH / VALVE

MANUF. : NAMCO CONTROLS

MODEL SUPP: EA180 SERIES.

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT	PLT DES	QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	104		340	TYPE TEST	NAMCO CONTROL'S REPORT :QTR-105, REV. 1	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BB015 FOR COMPLETE DOCUMENTATION	:AD3D07
PRESS PSIG	0		80	TYPE TEST	:DATED 08/28/80.	:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	70		100	TYPE TEST			
RADIATION	1E06		2.04E08	TYPE TEST			
CHEM SPRAY	N/A		0.15GPM/SQ.FT PH 10 TO 11	TYPE TEST			
OPE TME MN	1 YR.		> 1 YR.	TYPE TEST			
QUAL. LIFE	40 YRS		40 YRS.*	TYPE TEST		:*40 YRS. QUAL. BASED ON PERFORMING LUBRICATION: :EVERY 4.5 YRS. & REPLACEMENT OF ELASTOMERIC	
SUBMERGENCE	N/A		N/A	N/A		:PARTS. REPLAC. INTERVAL FOR ELAS. COMP. IS :DEPENDENT ON AMBIENT TEMP.SEE EQ-BB015 TAB E.	

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	---	LOCATION	---	ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
OZS -VAO11AA	VA	LIMIT SW' CH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O15	VX	O475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4458E	1VA354	A	AD3D20
OZS -VAO11AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O15	VX	O475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4468E	1VA355	A	AD3D20
OZS -VAO11BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O19	UX	O476	A13D	6/20E-0-3386 6/20E- 6/20E-2-4471N	2VA413	A	AD3D20
OZS -VAO11BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O17	VX	O475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4468E	1VA353	A	AD3D20
OZS -VAO12AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O17	VX	O475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4468E	1VA375	A	AD3D20
OZS -VAO12AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O17	VX	O475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4468E	1VA374	A	AD3D20
OZS -VAO12BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O17	VX	O475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4468E	1VA373	A	AD3D20
OZS -VAO12BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O17	VX	O475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4468E	1VA372	A	AD3D20
OZS -VAO13AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O17	VX	O476	A13D	6/20E-0-3386 6/20E- 6/20E-0-4468C	2VA592	A	AD3D20
OZS -VAO13AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O17	VX	O476	A13D	6/20E-0-3386 6/20E- 6/20E-0-4468C	2VA591	A	AD3D20
OZS -VAO13BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O17	VX	O476	A13D	6/20E-0-3386 6/20E- 6/20E-0-4468C	2VA590	A	AD3D20

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
OZS -VAO13BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	VX	0476	A13D	6/20E-0-3386 6/20E- 6/20E-0-4468C	2VA589	A	AD3D20
OZS -VAO14AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	UX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4468D	2VA318	A	AD3D20
OZS -VAO14AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	UX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4468D	2VA317	A	AD3D20
OZS -VAO14BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	UX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4468D	2VA316	A	AD3D20
OZS -VAO14BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	UX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4468D	2VA315	A	AD3D20
OZS -VAO15AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	VX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4468E	1VA369	A	AD3D20
OZS -VAO15AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	VX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4468E	1VA368	A	AD3D20
OZS -VAO15BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	021	VX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4468E	1VA367	A	AD3D20
OZS -VAO15BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	021	VX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4468E	1VA366	A	AD3D20
OZS -VAO16AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	VX	0476	A13D	6/20E-0-3386 6/20E- 6/20E-0-4468C	2VA588	A	AD3D20
OZS -VAO16AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	VX	0476	A13D	6/20E-0-3386 6/20E- 6/20E-0-4468C	2VA587	A	AD3D20

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OZS -VAO16BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 UX	0476 A13D	6/20E-0-3386 6/20E- 6/20E-2-4471N	2VA413	A	AD3D20
OZS -VAO16BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 021 VX	0476 A13D	6/20E-0-3386 6/20E- 6/20E-0-4468C	2VA412	A	AD3D20
OZS -VAO35 A	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 QX	0475 A13D	6/20E-0-3387 6/20E- 6/20E-0-4469L	1VA491	A	AD3D20
OZS -VAO35 B	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 QX	0475 A13D	6/20E-0-3387 6/20E- 6/20E-0-4469L	1VA490	A	AD3D20
OZS -VAO36 A	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 QX	0475 A13D	6/20E-0-3387 6/20E- 6/20E-0-4469P	1VA574	A	AD3D20
OZS -VAO36 B	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 QX	0475 A13D	6/20E-0-3387 6/20E- 6/20E-0-4469P	1VA573	A	AD3D20
OZS -VAO37 A	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 QX	0476 A13D	6/20E-0-3387 6/20E- 6/20E-0-4469L	2VA396	A	AD3D20
OZS -VAO37 B	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 QX	0476 A13D	6/20E-0-3387 6/20E- 6/20E-0-4469L	2VA395	A	AD3D20
OZS -VAO38 A	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 QX	0476 A13D	6/20E-0-3387 6/20E- 6/20E-0-4468L	2VA643	A	AD3D20
OZS -VAO38 B	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 QX	0476 A13D	6/20E-0-3387 6/20E- 6/20E-0-4469L	2VA642	A	AD3D20
OZS -VAO60AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4468D	1VA344	A	AD3D20

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OZS -VA060AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4468D	1VA345	A	AD3D20
OZS -VA060BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4468D	1VA343	A	AD3D20
OZS -VA060BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4468D	1VA342	A	AD3D20
OZS -VA060CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4468D	1VA341	A	AD3D20
OZS -VA060CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4468D	1VA340	A	AD3D20
OZS -VA224 A	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 SX	0475 A13D	6/20E-0-3387 6/20E- 6/20E-		A	AD3D20
OZS -VA224 B	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 SX	0475 A13D	6/20E-0-3387 6/20E- 6/20E-		A	AD3D20
OZS -VA234 A	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 021 SX	0475 A13D	6/20E-0-3387 6/20E- 6/20E-		A	AD3D20
OZS -VA234 B	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 021 SX	0475 A13D	6/20E-0-3387 6/20E- 6/20E-		A	AD3D20
OZS -VA332 A	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX	0475 A13D	6/20E-0-3386 6/20E- 6/20E-0-4468E	1VA371	A	AD3D20
OZS -VA332 B	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX	0475 A13D	6/20E-0-3386 6/20E- 6/20E-0-4468E	1VA370	A	AD3D20

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OZS -VA332AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 018 VX 0451 A13D		6/20E-0-3375 6/20E- 6/20E-0-4468D	1VA410	A	AD3D20
OZS -VA332AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 018 VX 0451 A13D		6/20E-0-3375 6/20E- 6/20E-0-4468D	1VA411	A	AD3D20
OZS -VA332BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX 0451 A13D		6/20E-0-3375 6/20E- 6/20E-0-4468D	1VA408	A	AD3D20
OZS -VA332BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX 0451 A13D		6/20E-0-3375 6/20E- 6/20E-0-4468D	1VA407	A	AD3D20
OZS -VA332CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX 0451 A13D		6/20E-0-3375 6/20E- 6/20E-0-4468D	1VA406	A	AD3D20
OZS -VA332CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX 0451 A13D		6/20E-0-3375 6/20E- 6/20E-0-4468D	1VA405	A	AD3D20
OZS -VA337 A	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX 0475 A13D		6/20E-0-3386 6/20E- 6/20E-0-4468E	1VA352	A	AD3D20
OZS -VA337 B	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX 0475 A13D		6/20E-0-3386 6/20E- 6/20E-0-4468E	1VA351	A	AD3D20
OZS -VA341AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 018 UX 0459 A13D		6/20E-0-3376 6/20E- 6/20E-0-4469R	1VA455	A	AD3D20
OZS -VA341AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 018 UX 0459 A13D		6/20E-0-3376 6/20E- 6/20E-0-4469R	1VA454	A	AD3D20
OZS -VA341BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 UX 0459 A13D		6/20E-0-3376 6/20E- 6/20E-0-4469R	1VA458	A	AD3D20

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					BDG	COL	ROW					
OZS -VA341BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	UX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4469R	1VA457	A	AD3D20
OZS -VA341CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	UX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4469R	1VA461	A	AD3D20
OZS -VA341CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	UX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4469R	1VA460	A	AD3D20
OZS -VA341DA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	018	UX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4469R	1VA464	A	AD3D20
OZS -VA341DB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	018	UX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4469R	1VA463	A	AD3D20
OZS -VA341EA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	VX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4469R	1VA467	A	AD3D20
OZS -VA341EB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	VX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4469R	1VA466	A	AD3D20
OZS -VA342AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	018	UX	0451 A13D	6/20E-0-3376 6/20E- 6/20E-0-4469R	1VA516	A	AD3D20
OZS -VA342AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	018	UX	0451 A13D	6/20E-0-3375 6/20E- 6/20E-0-4469R	1VA515	A	AD3D20
OZS -VA342BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	UX	0451 A13D	6/20E-0-3375 6/20E- 6/20E-0-4469R	1VA519	A	AD3D20
OZS -VA342BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	UX	0451 A13D	6/20E-0-3375 6/20E- 6/20E-0-4469R	1VA518	A	AD3D20

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OZS -VA342CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	UX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4469R	1VA522	A	AD3D20
OZS -VA342CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	UX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4469R	1VA521	A	AD3D20
OZS -VA342DA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	018	VX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4469R	1VA535	A	AD3D20
OZS -VA342DB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	018	VX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4469R	1VA534	A	AD3D20
OZS -VA342EA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	VX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4469R	1VA538	A	AD3D20
OZS -VA342EB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	VX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4469R	1VA537	A	AD3D20
OZS -VA491BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	QX	0451	A13D	6/20E- 6/20E- 6/20E-		A	AD3D20
OZS -VA491BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	QX	0451	A13D	6/20E- 6/20E- 6/20E-		A	AD3D20
OZS -VA492BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	QX	0451	A13D	6/20E- 6/20E- 6/20E-		A	AD3D20
OZS -VA492BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	0.7	QX	0451	A13D	6/20E- 6/20E- 6/20E-		A	AD3D20
OZS -VA493BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	SX	0451	A13D	6/20E- 6/20E- 6/20E-		A	AD3D20

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					BDG	COL	ROW					
OZS -VA493BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	SX	0451 A13D	6/20E- 6/20E- 6/20E-		A	AD3D20
OZS -VA494BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	SX	0451 A13D	6/20E- 6/20E- 6/20E-		A	AD3D20
OZS -VA494BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	SX	0451 A13D	6/20E- 6/20E- 6/20E-		A	AD3D20
OZS -VA501CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	015	UX	0447 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469R	1VA500	A	AD3D20
OZS -VA501CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	015	UX	0447 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469R	1VA499	A	AD3D20
OZS -VA501DA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	UX	0447 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469R	1VA503	A	AD3D20
OZS -VA501DB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	UX	0447 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469R	1VA502	A	AD3D20
OZS -VA502CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	VX	0475 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469Q	1VA568	A	AD3D20
OZS -VA502CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	VX	0475 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469Q	1VA567	A	AD3D20
OZS -VA502DA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	UX	0475 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469Q	1VA571	A	AD3D20
OZS -VA502DB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	UX	0475 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469Q	1VA570	A	AD3D20

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OZS -VA503CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 UX 0475 A13D		6/20E-0-3386 6/20E- 6/20E-0-4469L	2VA648	A	AD3D20
OZS -VA503CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 UX 0475 A13D		6/20E-0-3386 6/20E- 6/20E-0-4469L	2VA649	A	AD3D20
OZS -VA503DA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 UX 0475 A13D		6/20E-0-3386 6/20E- 6/20E-0-4469L	2VA654	A	AD3D20
OZS -VA503DB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 UX 0475 A13D		6/20E-0-3386 6/20E- 6/20E-0-4469L	2VA653	A	AD3D20
OZS -VA504CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 UX 0476 A13D		6/20E-0-3386 6/20E- 6/20E-0-4469M	2VA401	A	AD3D20
OZS -VA504CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 UX 0476 A13D		6/20E-0-3386 6/20E- 6/20E-0-4469M	2VA400	A	AD3D20
OZS -VA504DA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 021 UX 0426 A13D		6/20E-0-3386 6/20E- 6/20E-0-4469M	2VA405	A	AD3D20
OZS -VA504DB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 021 UX 0426 A13D		6/20E-0-3386 6/20E- 6/20E-0-4469M	2VA406	A	AD3D20
OZS -VA511AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 015 UX 0467 A13D		6/20E-0-3385 6/20E- 6/20E-0-4468AQ	1VA303	A	AD3D20
OZS -VA511AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 015 UX 0467 A13D		6/20E-0-3385 6/20E- 6/20E-0-4468AQ	1VA302	A	AD3D20
OZS -VA511BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 UX 0467 A13D		6/20E-0-3385 6/20E- 6/20E-0-4468AQ	1VA301	A	AD3D20

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OZS -VA511BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O17	UX	O467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AQ	1VA300	A	AD3D20
OZS -VA511CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O17	UX	O467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AQ	1VA305	A	AD3D20
OZS -VA511CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O17	UX	O467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AQ	1VA304	A	AD3D20
OZS -VA512AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O15	SX	O475	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AV	C 1VA332	A	AD3D20
OZS -VA512AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O15	SX	O475	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AV	C 1VA331	A	AD3D20
OZS -VA512BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O17	SX	O475	A13D	6/20E-0-3376 5/20E- 6/20E-0-4468AV	C 1VA349	A	AD3D20
OZS -VA512BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O17	SX	O475	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AV	C 1VA348	A	AD3D20
OZS -VA512CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O17	SX	O475	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AV	C 1VA329	A	AD3D20
OZS -VA512CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O17	SX	O475	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AV	C 1VA328	A	AD3D20
OZS -VA513AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O15	SX	O451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AR	1VA291	A	AD3D20
OZS -VA513AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O15	SX	O451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AR	1VA290	A	AD3D20

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OZS -V. 313BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	015	SX	0451 A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AR	1VA288	A	AD3D20
OZS -VA513BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	015	SX	0451 A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AR	1VA289	A	AD3D20
OZS -VA513CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	SX	0451 A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AR	1VA292	A	AD3D20
OZS -VA513CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	SX	0451 A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AR	1VA293	A	AD3D20
OZS -VA514AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	UX	0467 A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AR	1VA450	A	AD3D20
OZS -VA514AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	UX	0467 A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AR	1VA449	A	AD3D20
OZS -VA514BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	UX	0467 A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AR	1VA446	A	AD3D20
OZS -VA514BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	UX	0467 A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AR	1VA445	A	AD3D20
OZS -VA514CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	018	UX	0467 A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AR	1VA448	A	AD3D20
OZS -VA514CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	018	UX	0467 A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AR	1VA447	A	AD3D20
OZS -VA515AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	UX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AS	C 1VA429	A	AD3D20

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
OZS -VA515AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	UX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AS	C 1VA428	A	AD3D20
OZS -VA515BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	UX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AS	C 1VA427	A	AD3D20
OZS -VA515BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	UX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AS	C 1VA426	A	AD3D20
OZS -VA515CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	018	UX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AS	C 1VA432	A	AD3D20
OZS -VA515CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	018	UX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AS	C 1VA431	A	AD3D20
OZS -VA516AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	SX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AS	1VA400	A	AD3D20
OZS -VA516AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	SX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AS	1VA399	A	AD3D20
OZS -VA516BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	SX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AS	1VA403	A	AD3D20
OZS -VA516BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	SX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AS	1VA402	A	AD3D20
OZS -VA516CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	018	SX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AS	1VA398	A	AD3D20
OZS -VA516CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	018	SX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AS	1VA397	A	AD3D20

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---				ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW	ELEV					
OZS -VA517AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	018	UX	0459	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AS	2VA100	A	AD3D20
OZS -VA517AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	018	UX	0459	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AS	2VA099	A	AD3D20
OZS -VA517BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	UX	0459	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AS	2VA582	A	AD3D20
OZS -VA517BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	018	SX	0459	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AS	2VA411	A	AD3D20
OZS -VA517CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	UX	0459	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AS	2VA098	A	AD3D20
OZS -VA517CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	UX	0459	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AS	2VA097	A	AD3D20
OZS -VA518AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	018	UX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AT	2VA631	A	AD3D20
OZS -VA518AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	018	UX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AT	2VA630	A	AD3D20
OZS -VA518BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	018	UX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AT	2VA633	A	AD3D20
OZS -VA518BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	018	UX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AT	2VA634	A	AD3D20
OZS -VA518CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	UX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AT	2VA629	A	AD3D20

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						
OZS -VA518CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	UX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AT	2VA628	A	AD3D20
OZS -VA519AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	018	SX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AT	2VA613	A	AD3D20
OZS -VA519AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	018	SX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AT	2VA612	A	AD3D20
OZS -VA519BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	SX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AT	2VA608	A	AD3D20
OZS -VA519BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	SX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AT	2VA609	A	AD3D20
OZS -VA519CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	SX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AT	2VA611	A	AD3D20
OZS -VA519CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	SX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AT	2VA610	A	AD3D20
OZS -VA520AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	VX	0467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AT	2VA288	A	AD3D20
OZS -VA520AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	VX	0467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AT	2VA287	A	AD3D20
OZS -VA520BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	VX	0467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AT	2VA284	A	AD3D20
OZS -VA520BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	VX	0467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AT	2VA283	A	AD3D20

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OZS -VA520CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O21	VX	O467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AT	2VA285	A	AD3D20
OZS -VA520CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O21	VX	O467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AT	2VA282	A	AD3D20
OZS -VA521AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O19	VX	O459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AU	2VA354	A	AD3D20
OZS -VA521AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O19	VX	O459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AU	2VA355	A	AD3D20
OZS -VA521BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O19	VX	O459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AU	2VA356	A	AD3D20
OZS -VA521BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O19	VX	O459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AU	2VA353	A	AD3D20
OZS -VA521CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O21	VX	O459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AU	2VA352	A	AD3D20
OZS -VA521CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O21	VX	O459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AU	2VA351	A	AD3D20
OZS -VA522AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O19	SX	O451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AU	2VA299	A	AD3D20
OZS -VA522AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O19	SX	O451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AU	2VA298	A	AD3D20
OZS -VA522BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O19	SX	O451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AU	2VA297	A	AD3D20

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW					
OZS -VA522BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	SX	0451 A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AU	2VA296	A	AD3D20
OZS -VA522CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	021	SX	0451 A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AU	2VA295	A	AD3D20
OZS -VA522CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 9/79	AUX	021	SX	0451 A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AU	2VA294	A	AD3D20
OZS -VA523AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	015	VX	0467 A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AU	1VA313	A	AD3D20
OZS -VA523AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	015	UX	0467 A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AU	1VA312	A	AD3D20
OZS -VA523BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	015	UX	0467 A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AU	1VA295	A	AD3D20
OZS -VA523BE	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	015	UX	0467 A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AU	1VA294	A	AD3D20
OZS -VA523CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	UX	0467 A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AU	1VA299	A	AD3D20
OZS -VA523CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	UX	0467 A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AU	1VA298	A	AD3D20
OZS -VA524AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	015	UX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AV	C 1VA325	A	AD3D20
OZS -VA524AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	015	UX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AV	C 1VA324	A	AD3D20

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OZS -VA524BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 UX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AV	C 1VA323	A	AD3D20	
OZS -VA524BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 UX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AV	C 1VA322	A	AD3D20	
OZS -VA524CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 UX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AV	C 1VA327	A	AD3D20	
OZS -VA524CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 UX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AV	C 1VA326	A	AD3D20	
OZS -VA525AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 015 UX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AV	1VA286	A	AD3D20	
OZS -VA525AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 015 UX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AV	1VA287	A	AD3D20	
OZS -VA525BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 UX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AV	1VA263	A	AD3D20	
OZS -VA525BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 UX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AV	1VA262	A	AD3D20	
OZS -VA525CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 UX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AV	1VA261	A	AD3D20	
OZS -VA525CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 UX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AV	1VA260	A	AD3D20	
OZS -VA526AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 UX	0467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AV	2VA088	A	AD3D20	

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
OZS -VA526AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	UX	0467	A13D	6/20E-O-3385 6/20E- 6/20E-O-4468AV	2VA087	A	AD3D20
OZS -VA526BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	UX	0467	A13D	6/20E-O-3385 6/20E- 6/20E-O-4468AV	2VA086	A	AD3D20
OZS -VA526BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	UX	0467	A13D	6/20E-O-3385 6/20E- 6/20E-O-4468AV	2VA085	A	AD3D20
OZS -VA526CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	UX	0467	A13D	6/20E-O-3385 6/20E- 6/20E-O-4468AV	2VA084	A	AD3D20
OZS -VA526CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	UX	0467	A13D	6/20E-O-3385 6/20E- 6/20E-O-4468AV	2VA083	A	AD3D20
OZS -VA527AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	UX	0459	A13D	6/20E-O-3376 6/20E- 6/20E-O-4468AW	C 2VA621	A	AD3D20
OZS -VA527AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	UX	0459	A13D	6/20E-O-3376 6/20E- 6/20E-O-4468AW	C 2VA620	A	AD3D20
OZS -VA527BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	UX	0459	A13D	6/20E-O-3376 6/20E- 6/20E-O-4468AW	C 2VA616	A	AD3D20
OZS -VA527BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	UX	0459	A13D	6/20E-O-3376 6/20E- 6/20E-O-4468AW	C 2VA615	A	AD3D20
OZS -VA527CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	018	UX	0459	A13D	6/20E-O-3376 6/20E- 6/20E-O-4468AW	2VA618	A	AD3D20
OZS -VA527CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	018	UX	0459	A13D	6/20E-O-3376 6/20E- 6/20E-O-4468AW	2VA617	A	AD3D20

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION --- BDG COL ROW ELEV ZONE	ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
OZS -VA528AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 UX 0451 A13D		6/20E-O-3375 6/20E- 6/20E-O-4468AW	2VA599	A	AD3D20
OZS -VA528AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 UX 0451 A13D		6/20E-O-3375 6/20E- 6/20E-O-4468AW	2VA598	A	AD3D20
OZS -VA528BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 UX 0451 A13D		6/20E-O-3375 6/20E- 6/20E-O-4468AW	2VA595	A	AD3D20
OZS -VA528BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 UX 0451 A13D		6/20E-O-3375 6/20E- 6/20E-O-4468AW	2VA594	A	AD3D20
OZS -VA528CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 018 UX 0451 A13D		6/20E-O-3375 6/20E- 6/20E-O-4468AW	2VA601	A	AD3D20
OZS -VA528CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 018 UX 0451 A13D		6/20E-O-3375 6/20E- 6/20E-O-4468AW	2VA597	A	AD3D20
OZS -VA529AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 021 UX 0467 A13D		6/20E-O-3385 6/20E- 6/20E-O-4468AW	1VA443	A	AD3D20
OZS -VA529AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 021 UX 0467 A13D		6/20E-O-3385 6/20E- 6/20E-O-4468AW	1VA442	A	AD3D20
OZS -VA529BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 021 UX 0467 A13D		6/20E-O-3385 6/20E- 6/20E-O-4468AW	1VA434	A	AD3D20
OZS -VA529BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 021 UX 0467 A13D		6/20E-O-3385 6/20E- 6/20E-C-4468AW	1VA433	A	AD3D20
OZS -VA529CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 021 UX 0467 A13D		6/20E-O-3385 6/20E- 6/20E-O-4468AW	1VA453	A	AD3D20

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					BDG COL ROW ELEV ZONE					
OZS -VA529CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 021 UX	0467 A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AW	1VA452	A	AD3D20
OZS -VA530AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 UX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AP	1VA420	A	AD3D20
OZS -VA530AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 UX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AP	1VA419	A	AD3D20
OZS -VA530BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 UX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AP	1VA413	A	AD3D20
OZS -VA530BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 UX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AP	1VA412	A	AD3D20
OZS -VA530CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 021 UX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AP	1VA418	A	AD3D20
OZS -VA530CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 021 UX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AP	1VA417	A	AD3D20
OZS -VA531AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 UX	0451 A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AX	1VA383	A	AD3D20
OZS -VA531AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 UX	0451 A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AX	1VA382	A	AD3D20
OZS -VA531BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 021 UX	0451 A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AX	1VA381	A	AD3D20
OZS -VA531BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 021 UX	0451 A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AX	1VA380	A	AD3D20

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					BDG	COL	ROW	ELEV					
OZS -VA531CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	021	UX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AX	1VA378	A	AD3D20
OZS -VA531CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	021	UX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AX	1VA377	A	AD3D20
OZS -VA532AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	015	VX	0467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AM	1VA310	A	AD3D20
OZS -VA532AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	015	VX	0467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AM	1VA311	A	AD3D20
OZS -VA532BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	VX	0467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AM	1VA309	A	AD3D20
OZS -VA532BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	VX	0467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AM	1VA308	A	AD3D20
OZS -VA532CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	VX	0467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AM	1VA307	A	AD3D20
OZS -VA532CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	VX	0467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AM	1VA306	A	AD3D20
OZS -VA533AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	015	VX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AM	C 1VA320	A	AD3D20
OZS -VA533AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	015	VX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AM	C 1VA319	A	AD3D20
OZS -VA533BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	VX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AM	C 1VA318	A	AD3D20

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					BDG	COL	ROW	ELEV					
OZS -VA533BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	VX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AM	C 1VA317	A	AD3D20
OZS -VA533CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	VX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AM	C 1VA316	A	AD3D20
OZS -VA533CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	VX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AM	C 1VA315	A	AD3D20
OZS -VA534AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	015	VX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AM	1VA284	A	AD3D20
OZS -VA534AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	015	VX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AM	1VA285	A	AD3D20
OZS -VA534BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	VX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AM	1VA283	A	AD3D20
OZS -VA534BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	VX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AM	1VA282	A	AD3D20
OZS -VA534CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	VX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AM	1VA268	A	AD3D20
OZS -VA534CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	015	VX	0451	A13D	6/20E-0-3375 5/20E- 6/20E-0-4468AM	1VA267	A	AD3D20
OZS -VA535AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	VX	0467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AM	2VA093	A	AD3D20
OZS -VA535AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	VX	0467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AM	2VA091	A	AD3D20

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OZS -VA535BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 VX 0467 A13D		6/20E-0-3385 6/20E- 6/20E-0-4468AN	2VA096	A	AD3D20
OZS -VA535BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 VX 0467 A13D		6/20E-0-3385 6/20E- 6/20E-0-4468AN	2VA095	A	AD3D20
OZS -VA535CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 018 VX 0467 A13D		6/20E-0-3385 6/20E- 6/20E-0-4468AN	2VA094	A	AD3D20
OZS -VA535CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 018 VX 0467 A13D		6/20E-0-3385 6/20E- 6/20E-0-4468AN	2VA092	A	AD3D20
OZS -VA536AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 VX 0459 A13D		6/20E-0-3376 6/20E- 6/20E-0-4468AN	C 2VA409	A	AD3D20
OZS -VA536AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 VX 0459 A13D		6/20E-0-3376 6/20E- 6/20E-0-4468AN	C 2VA619	A	AD3D20
OZS -VA536BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 VX 0459 A13D		6/20E-0-3376 6/20E- 6/20E-0-4468AN	C 2VA625	A	AD3D20
OZS -VA536BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 VX 0459 A13D		6/20E-0-3376 6/20E- 6/20E-0-4468AN	C 2VA624	A	AD3D20
OZS -VA536CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 018 VX 0459 A13D		6/20E-0-3376 6/20E- 6/20E-0-4468AN	C 2VA623	A	AD3D20
OZS -VA536CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 018 VX 0459 A13D		6/20E-0-3376 6/20E- 6/20E-0-4468AN	C 2VA622	A	AD3D20
OZS -VA537AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 3/79	AUX 017 VX 0451 A13D		6/20E-0-3375 6/20E- 6/20E-0-4468AN	2VA605	A	AD3D20

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OZS -VA537AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 VX	0451 A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AN	2VA604	A	AD3D20
OZS -VA537BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 VX	0451 A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AN	2VA607	A	AD3D20
OZS -VA537BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 VX	0451 A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AN	2VA606	A	AD3D20
OZS -VA537CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 018 VX	0451 A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AN	2VA603	A	AD3D20
OZS -VA537CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 018 VX	0451 A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AN	2VA602	A	AD3D20
OZS -VA538AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX	0467 A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AP	1VA440	A	AD3D20
OZS -VA538AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX	0467 A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AP	1VA441	A	AD3D20
OZS -VA538BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX	0467 A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AP	1VA439	A	AD3D20
OZS -VA538BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX	0467 A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AP	1VA438	A	AD3D20
OZS -VA538CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 021 VX	0467 A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AP	1VA437	A	AD3D20
OZS -VA538CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 025 VX	0467 A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AP	1VA436	A	AD3D20

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OZS -VA539AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX 0459 A13D		6/20E-0-3376 6/20E- 6/20E-0-4468AP	1VA424	A	AD3D20
OZS -VA539AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX 0459 A13D		6/20E-0-3376 6/20E- 6/20E-0-4468AP	1VA425	A	AD3D20
OZS -VA539BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX 0459 A13D		6/20E-0-3376 6/20E- 6/20E-0-4468AP	1VA423	A	AD3D20
OZS -VA539BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX 0459 A13D		6/20E-0-3376 6/20E- 6/20E-0-4468AP	1VA422	A	AD3D20
OZS -VA539CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 021 VX 0459 A13D		6/20E-0-3376 6/20E- 6/20E-0-4468AP	1VA416	A	AD3D20
OZS -VA539CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 021 VX 0459 A13D		6/20E-0-3376 6/20E- 6/20E-0-4468AP	1VA415	A	AD3D20
OZS -VA540AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX 0451 A13D		6/20E-0-3375 6/20E- 6/20E-0-4468AP	1VA390	A	AD3D20
OZS -VA540AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX 0451 A13D		6/20E-0-3375 6/20E- 6/20E-0-4468AP	1VA391	A	AD3D20
OZS -VA540BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX 0451 A13D		6/20E-0-3375 6/20E- 6/20E-0-4468AP	1VA389	A	AD3D20
OZS -VA540BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX 0451 A13D		6/20E-0-3375 6/20E- 6/20E-0-4468AP	1VA388	A	AD3D20
OZS -VA540CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX 0451 A13D		6/20E-0-3375 6/20E- 6/20E-0-4468AP	1VA387	A	AD3D20

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					BDG	COL	ROW					
OZS -VA540CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	021	VX	0451 A13D	6/20E-O-3375 6/20E- 6/20E-O-4468AP	1VA386	A	AD3D20
OZS -VA546AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	VX	0459 A13D	6/20E-O-3376 6/20E- 6/20E-O-4468AQ	1VA339	A	AD3D20
OZS -VA546AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	VX	0459 A13D	6/20E-O-3376 6/20E- 6/20E-O-4468AQ	1VA338	A	AD3D20
OZS -VA546BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	VX	0459 A13D	6/20E-O-3376 6/20E- 6/20E-O-4468AQ	1VA337	A	AD3D20
OZS -VA546BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	VX	0459 A13D	6/20E-O-3376 6/20E- 6/20E-O-4468AQ	1VA336	A	AD3D20
OZS -VA546CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	VX	0459 A13D	6/20E-O-3376 6/20E- 6/20E-O-4468AQ	1VA334	A	AD3D20
OZS -VA546CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	VX	0459 A13D	6/20E-O-3376 6/20E- 6/20E-O-4468AQ	1VA335	A	AD3D20
OZS -VA547AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	018	VX	0451 A13D	6/20E-O-3375 6/20E- 6/20E-O-4468AQ	1VA393	A	AD3D20
OZS -VA547AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	018	VX	0451 A13D	6/20E-O-3375 6/20E- 6/20E-O-4468AQ	1VA392	A	AD3D20
OZS -VA547BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	VX	0451 A13D	6/20E-O-3375 6/20E- 6/20E-O-4468AQ	1VA385	A	AD3D20
OZS -VA547BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	VX	0451 A13D	6/20E-O-3375 6/20E- 6/20E-O-4468AQ	1VA384	A	AD3D20

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					BDG	COL	ROW						
OZS -VA547CA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	VX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AQ	1VA394	A	AD3D20
OZS -VA547CB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	VX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AQ	1VA395	A	AD3D20
OZS -VA713AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	015	VX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4469N	1VA494	A	AD3D20
OZS -VA713AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	015	VX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4469N	1VA493	A	AD3D20
OZS -VA713AC	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	015	VX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4469N	1VA549	A	AD3D20
OZS -VA713AD	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	015	VX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4469N	1VA548	A	AD3D20
OZS -VA713BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	015	VX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4469N	1VA497	A	AD3D20
OZS -VA713BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	015	VX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4469N	1VA496	A	AD3D20
OZS -VA713BC	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	015	VX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4469N	1VA551	A	AD3D20
OZS -VA713BD	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	015	VX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4469N	1VA550	A	AD3D20
OZS -VA714AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	VX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4469N	1VA556	A	AD3D20

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OZS -VA714AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 VX 0475 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469N	1VA555	A	AD3D20
OZS -VA714AC	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 VX 0475 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469N	1VA506	A	AD3D20
OZS -VA714AD	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 VX 0475 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469N	1VA505	A	AD3D20
OZS -VA714BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 VX 0475 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469H	1VA559	A	AD3D20
OZS -VA714BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 VX 0475 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469H	1VA558	A	AD3D20
OZS -VA714BC	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 VX 0475 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469H	1VA508	A	AD3D20
OZS -VA714BD	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 VX 0475 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469H	1VA507	A	AD3D20
OZS -VA715AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 VX 0476 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469F	2VA408	A	AD3D20
OZS -VA715AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 VX 0476 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469F	2VA407	A	AD3D20
OZS -VA715AC	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 VX 0476 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469F	2VA656	A	AD3D20
OZS -VA715AD	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 VX 0476 A13D	6/20E-0-3386 6/20E- 6/20E-0-4468K	2VA375	A	AD3D20

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OZS -VA715BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O17	VX	O476 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469F	2VA394	A	AD3D20
OZS -VA715BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O17	VX	O476 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469F	2VA393	A	AD3D20
OZS -VA715BC	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O17	VX	O476 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469F	2VA659	A	AD3D20
OZS -VA715BD	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O17	VX	O476 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469F	2VA658	A	AD3D20
OZS -VA716AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O18	VX	O476 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469F	2VA662	A	AD3D20
OZS -VA716AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O18	VX	O476 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469F	2VA661	A	AD3D20
OZS -VA716AC	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O18	VX	O476 A13D	6/20E-0-3386 6/20E- 6/20E-0-4468F	2VA388	A	AD3D20
OZS -VA716AD	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O18	VX	O476 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469F	2VA387	A	AD3D20
OZS -VA716BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O18	VX	O476 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469G	2VA663	A	AD3D20
OZS -VA716BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O18	VX	O476 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469G	2VA664	A	AD3D20
OZS -VA716BC	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	O18	VX	O476 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469G	2VA391	A	AD3D20

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					BDG	COL	ROW					
OZS -VA716BD		VA LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	018	VX	0476 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469G	2VA390	A	AD3D20
OZS -VA717 A		VA LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	018	VX	0475 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469S	1VA488	A	AD3D20
OZS -VA717 B		VA LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	018	VX	0475 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469S	1VA487	A	AD3D20
OZS -VA717 C		VA LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	018	VX	0475 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469S	1VA481	A	AD3D20
OZS -VA717 D		VA LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	018	VX	0475 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469S	1VA480	A	AD3D20
OZS -VA718 A		VA LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	VX	0475 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469S	1VA553	A	AD3D20
OZS -VA718 B		VA LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	VX	0475 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469S	1VA552	A	AD3D20
OZS -VA718 C		VA LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	017	VX	0475 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469S	1VA510	A	AD3D20
OZS -VA718 D		VA LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	VX	0475 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469S	1VA509	A	AD3D20
OZS -VA719AA		VA LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	VX	0475 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469J	1VA562	A	AD3D20
OZS -VA719AB		VA LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	VX	0475 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469J	1VA561	A	AD3D20

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OZS -VA719AC	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX 0476 A13D		6/20E-0-3386 6/20E- 6/20E-0-4469J	2VA367	A	AD3D20
OZS -VA719AD	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX 0476 A13D		6/20E-0-3386 6/20E- 6/20E-0-4469J	2VA366	A	AD3D20
OZS -VA719BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX 0475 A13D		6/20E-0-3386 6/20E- 6/20E-0-4469J	1VA565	A	AD3D20
OZS -VA719BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX 0476 A13D		6/20E-0-3386 6/20E- 6/20E-0-4469J	2VA368	A	AD3D20
OZS -VA719BC	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX 0476 A13D		6/20E-0-3386 6/20E- 6/20E-0-4469J	2VA369	A	AD3D20
OZS -VA719BD	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 VX 0476 A13D		6/20E-0-3386 6/20E- 6/20E-		A	AD3D20
OZS -VA720AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 021 VX 0476 A13D		6/20E-0-3386 6/20E- 6/20E-0-4469J	2VA371	A	AD3D20
OZS -VA720AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 021 VX 0476 A13D		6/20E-0-3386 6/20E- 6/20E-0-4469J	2VA370	A	AD3D20
OZS -VA720AC	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 021 VX 0475 A13D		6/20E-0-3386 6/20E- 6/20E-0-4469J	1VA577	A	AD3D20
OZS -VA720AD	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 021 VX 0475 A13D		6/20E-0-3386 6/20E- 6/20E-0-4469J	1VA576	A	AD3D20
OZS -VA720BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 021 VX 0476 A13D		6/20E-0-3386 6/20E- 6/20E-0-4469K	2VA374	A	AD3D20

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OZS -VA720BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 021 VX 0476	A13D	6/20E-0-3386 6/20E- 6/20E-0-4469J	2VA373	A	AD3D20
OZS -VA720BC	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 021 VX 0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4469J	1VA579	A	AD3D20
OZS -VA720BD	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 021 VX 0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4469J	1VA578	A	AD3D20

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AD3D20

SPEC. NUM. : F/L2903

SYSTEM : VA

SAFETY CAT: A

FUNCTION : PROVIDE POSITION INDICATION

ENVR ZONE : A13D

COMP/EQUIP: LIMIT SWITCH

MANUF. : NAMCO CONTROLS

MODEL SUPP: EA170 SERIES

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES:QUALIFICATION	METHOD	DOCUMENT REFERENCE		NUMBER
TEMP DEG F	122 : 194	TYPE TEST	NAMCO CONTROL'S REP. QTR107	REFER TO ENVIRONMENTAL QUALIFICATION BINDER	AD3D20
PRESS PSIG	-0.5 TO: 0	TYPE TEST	REV. 0 DATED 03/11/81. &	NO. EQ-BB055 FOR COMPLETE DOCUMENTATION	
REL HUMID %	70 : 100	TYPE TEST	REP. LP10767-2 REV. 4 DATED	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
			11/02/79.		
RADIATION	1E06 : 2.04E08	TYPE TEST			
CHEM SPRAY	N/A : N/A	N/A			
OPE TME MN	CONT. : CONT.	TYPE TEST			
QUAL. LIFE	40 YRS. : 6.75 YRS.	TYPE TEST			
SUBMERGENCE	N/A : N/A	N/A			

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			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW					
N/A	VA	AR-RELAY	F/L2783	WES AR440, AR660, AR880	AUX	015	VX	0467	A13D	OVA21J	A	AD3E6R
N/A	VA	AR-RELAY	F/L2783	WES AR440, AR660, AR880	AUX	015	VX	0472	A13D	OVA22J	A	AD3E6R
N/A	VA	AR-RELAY	F/L2783	WES AR440, AR660, AR880	AUX	021	VX	0467	A13D	OVA23J	A	AD3E6R
N/A	VA	AR-RELAY	F/L2783	WES AR440, AR660, AR880	AUX	021	VX	0473	A13D	OVA24J	A	AD3E6R

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AD3E6R

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : PERFORM THE INTERLOCKING FUNCTION IN 1E CIRCUITS

ENVR ZONE : A13D

COMP/EQUIP: AR-RELAY

MANUF. : WESTINGHOUSE

MODEL SUPP: AR440, AR660 & AR880

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER
TEMP DEG F	122	122	TYPE TEST	1)AETC TEST REPORT NO. 15281: REFER TO ENVIRONMENTAL QUALIFICATION BINDER REV. 2 DATED 10/14/83. NO. EQ-BBO22 FOR COMPLETE DOCUMENTATION	AD3E6R
PRESS PSIG	0.0	0	TYPE TEST	2)AETC RETEST REPORT NO. : PACKAGE ASSOCIATED WITH THIS EQUIPMENT. 18987-84N, DATED	
REL HUMID %	70	90	TYPE TEST	DECEMBER, 1983.	
RADIATION	1E06	1.3E06	TYPE TEST		
CHEM SPRAY	N/A	N/A	N/A		
OPE TME MN	CONT.	CONT.	TYPE TEST		
QUAL. LIFE	40 YRS.	16.8 YRS.	TYPE TEST	16.8 YRS. LIFE IS BASED UPON REPLACING THE COIL EVERY 6.6 YRS.	
SUBMERGENCE	N/A	N/A	N/A		

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					BDG	COL	ROW						
OHS -VA021	VA	SEL SWITCH	F/L2783	WES OT2 CS502	AUX	015	SX	0467	A13D	6/20E-0-3384	C 1FP111 OVA01JA	A	AD3E6Y
										6/20E-0-4461B			
OHS -VA022	VA	SEL SWITCH	F/L2783	WES OT2 CS502	AUX	015	SX	0465	A13D	6/20E-0-3384	C 1FP108 OVA01JB	A	AD3E6Y
										6/20E-0-4465E			
OHS -VA023	VA	SEL SWITCH	F/L2783	WES OT2 CS502	AUX	021	QX	0451	A13D	6/20E-0-3384	C 2VA006 OVA01JC	A	AD3E6Y
										6/20E-0-4466D			
OHS -VA024	VA	SEL SWITCH	F/L2783	WES OT2 CS502	AUX	021	QX	0451	A13D	6/20E-0-3384	C 2VA012 OVA01JD	A	AD3E6Y
										6/20E-0-4462A			
OHS -VA025	VA	SEL SWITCH	F/L2783	WES OT2 CS502	AUX	015	SX	0465	A13D	6/20E-0-3384	C 1FP108 OVA01JB	A	AD3E6Y
										6/20E-0-4465E			
OHS -VA026	VA	SEL SWITCH	F/L2783	WES OT2 CS502	AUX	021	QX	0451	A13D	6/20E-0-3384	C 2VA006 OVA01JC	A	AD3E6Y
										6/20E-0-4466D			
OHS -VA027	VA	SEL SWITCH	F/L2783	WES OT2 CS502	AUX	015	SX	0467	A13D	6/20E-0-3384	C 1FP111 OVA01JA	A	AD3E6Y
										6/20E-0-4461B			
OHS -VA028	VA	SEL SWITCH	F/L2783	WES OT2 CS502	AUX	015	SX	0465	A13D	6/20E-0-3384	C 1FP108 OVA01JB	A	AD3E6Y
										6/20E-0-4465E			
OHS -VA102	VA	SEL SWITCH	F/L2783	WES OT2 CS501	AUX	015	SX	0467	A13D	6/20E-0-3384	C 1FP111 OVA01JA	A	AD3E6Y
										6/20E-0-4461B			
OHS -VA112	VA	SEL SWITCH	F/L2783	WES OT2 CS501	AUX	015	SX	0465	A13D	6/20E-0-3384	C 1FP108 OVA01JB	A	AD3E6Y
										6/20E-0-4465E			
OHS -VA122	VA	SEL SWITCH	F/L2783	WES OT2 CS501	AUX	021	QX	0451	A13D	6/20E-0-3384	C 2VA006 OVA01JC	A	AD3E6Y
										6/20E-0-4466D			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION --- BDG COL ROW ELEV ZONE	ENVR SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER
OHS -VA132	VA	SEL SWITCH	F/L2783	WES OT2 CS501	AUX 021 QX 0451 A13D	6/20E-0-3384 6/20E-0-4462A	C 2VA012 OVA01JD	A	AD3E6Y
OHS -VA202	VA	SEL SWITCH	F/L2783	WES OT2 CS501	AUX 015 SX 0467 A13D	6/20E-0-3384 6/20E-0-4461B	C 1FP111 OVA01JA	A	AD3E6Y
OHS -VA212	VA	SEL SWITCH	F/L2783	WES OT2 CS501	AUX 015 SX 0465 A13D	6/20E-0-3384 6/20E-0-4465E	C 1FP108 OVA01JB	A	AD3E6Y
OHS -VA222	VA	SEL SWITCH	F/L2783	WES OT2 CS501	AUX 021 QX 0451 A13D	6/20E-0-3384 6/20E-0-4466D	C 2VA006 OVA01JC	A	AD3E6Y
OHS -VA232	VA	SEL SWITCH	F/L2783	WES OT2 CS501	AUX 021 QX 0451 A13D	6/20E-0-3384 6/20E-0-4462A	C 2VA012 OVA01JD	A	AD3E6Y
OHS -VA501	VA	SEL SWITCH	F/L2783	WES OT2 CS537	AUX 015 SX 0467 A13D	6/20E-0-3384 6/20E-0-4461B	C 1FP111 OVA01JA	A	AD3E6Y
OHS -VA502	VA	SEL SWITCH	F/L2783	WES OT2 CS537	AUX 015 SX 0465 A13D	6/20E-0-3384 6/20E-0-4465E	C 1FP108 OVA01JB	A	AD3E6Y
OHS -VA503	VA	SEL SWITCH	F/L2783	WES OT2 CS537	AUX 021 QX 0451 A13D	6/20E-0-3384 6/20E-0-4466D	C 2VA006 OVA01JC	A	AD3E6Y
OHS -VA504	VA	SEL SWITCH	F/L2783	WES OT2 CS506	AUX 021 QX 0451 A13D	6/20E-0-3384 6/20E-0-4462A	C 2VA012 OVA01JD	A	AD3E6Y
OHS -VA511	VA	SEL SWITCH	F/L2783	WES OT2 CS506	AUX 015 SX 0467 A13D	6/20E-0-3385 6/20E-0-4468AF	C 1VA314	A	AD3E6Y
OHS -VA512	VA	SEL SWITCH	F/L2783	WES OT2 CS506	AUX 015 UX 0459 A13D	6/20E-0-3376 6/20E-0-4468AF	C 1VA333	A	AD3E6Y

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			SPEC. NC.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
OHS -VA513	VA	SEL SWITCH	F/L2783	WES OT2 CS506	AUX	015	SX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AF	C 1VA293	A	AD3E6Y
OHS -VA514	VA	SEL SWITCH	F/L2783	WES OT2 CS506	AUX	018	UX	0467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AF	C 1VA450	A	AD3E6Y
OHS -VA515	VA	SEL SWITCH	F/L2783	WES OT2 CS506	AUX	018	UX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AG	C 1VA432	A	AD3E6Y
OHS -VA516	VA	SEL SWITCH	F/L2783	WES OT2 CS506	AUX	018	SX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AG	C 1VA403	A	AD3E6Y
OHS -VA517	VA	SEL SWITCH	F/L2783	WES OT2 CS506	AUX	018	SX	0469	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AG	C 2VA089	A	AD3E6Y
OHS -VA518	VA	SEL SWITCH	F/L2783	WES CT2 CS506	AUX	018	UX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AG	C 2VA634	A	AD3E6Y
OHS -VA519	VA	SEL SWITCH	F/L2783	WES OT2 CS506	AUX	021	SX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AH	C 2VA613	A	AD3E6Y
OHS -VA520	VA	SEL SWITCH	F/L2783	WES OT2 CS506	AUX	021	SX	0467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AH	C 2VA288	A	AD3E6Y
OHS -VA521	VA	SEL SWITCH	F/L2783	WES OT2 CS506	AUX	021	UX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AH	C 2VA356	A	AD3E6Y
OHS -VA522	VA	SEL SWITCH	F/L2783	WES OT2 CS507	AUX	021	SX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AH	C 2VA300	A	AD3E6Y
OHS -VA523	VA	SEL SWITCH	F/L2783	WES OT2 CS507	AUX	015	VX	0467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468J	C 1VA313	A	AD3E6Y

SARGENT & LUNDY ENGINEERS
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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						
OHS -VA524	VA	SEL SWITCH	F/L2783	WES OT2 CS507	AUX	015	UX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AJ	C 1VA327	A	AD3E6Y
OHS -VA525	VA	SEL SWITCH	F/L2783	WES OT2 CS507	AUX	015	UX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AJ	C 1VA287	A	AD3E6Y
OHS -VA526	VA	SEL SWITCH	F/L2783	WES OT2 CS507	AUX	018	UX	0467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AJ	C 2VA090	A	AD3E6Y
OHS -VA527	VA	SEL SWITCH	F/L2783	WES OT2 CS507	AUX	018	UX	0459	A13D	6/20E-0-3376 6/20E- 5/20E-0-4468AK	C 2VA627	A	AD3E6Y
OHS -VA528	VA	SEL SWITCH	F/L2783	WES OT2 CS507	AUX	018	UX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AK	2VA601	A	AD3E6Y
OHS -VA529	VA	SEL SWITCH	F/L2783	WES OT2 CS507	AUX	021	UX	0467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AK	C 1VA454	A	AD3E6Y
OHS -VA530	VA	SEL SWITCH	F/L2783	WES OT2 CS507	AUX	021	UX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AK	C 1VA421	A	AD3E6Y
OHS -VA531	VA	SEL SWITCH	F/L2783	WES OT2 CS507	AUX	021	UX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AE	C 1VA409	A	AD3E6Y
OHS -VA532	VA	SEL SWITCH	F/L2783	WES OT2 CS507	AUX	015	VX	0467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AC	C 1VA311	A	AD3E6Y
OHS -VA533	VA	SEL SWITCH	F/L2783	WES OT2 CS507	AUX	015	VX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AC	C 1VA321	A	AD3E6Y
OHS -VA534	VA	SEL SWITCH	F/L2783	WES OT2 CS537	AUX	015	VX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AC	C 1VA285	A	AD3E6Y

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION --- BDG COL ROW ELEV ZONE	ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NU	O588 CAT.	COMPUTER NUMBER
OHS -VA535	VA	SEL SWITCH	F/L2783	WES OT2 CS537	AUX 018 VX	0467 A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AC	C 2VA096	A	AD3E6Y
OHS -VA536	VA	SFL SWITCH	F/L2783	WES OT2 CS537	AUX 018 VX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AD	C 2VA625	A	AD3E6Y
OHS -VA537	VA	SEL SWITCH	F/L2783	WES OT2 CS537	AUX 018 VX	0451 A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AD	2VA607	A	AD3E6Y
OHS -VA538	VA	SEL SWITCH	F/L2783	WES OT2 CS537	AUX 021 VX	0467 A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AD	C 2VA441	A	AD3E6Y
OHS -VA539	VA	SEL SWITCH	F/L2783	WES OT2 CS537	AUX 019 UX	0459 A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AG	C 1VA426	A	AD3E6Y
OHS -VA540	VA	SEL SWITCH	F/L2783	WES OT2 CS537	AUX 021 VX	0451 A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AE	C 1VA391	A	AD3E6Y
OHS -VA546	VA	SEL SWITCH	F/L2783	WES OT2 CS537	AUX 018 VX	0475 A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AE	C 1VA339	A	AD3E6Y
OHS -VA547	VA	SEL SWITCH	F/L2783	WES OT2 CS537	AUX 018 VX	0451 A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AE	1VA396	A	AD3E6Y

SARGENT & LUNDY ENGINEERS
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AD3E6Y

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : HVAC CONTROLS.

ENVR ZONE : A13D

COMP/EQUIP: SELECTOR SWITCH

MANUF. : WESTINGHOUSE

MODEL SUPP: OT2

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	104	130	TYPE TEST	1)AETC'S REPORT NO. 15281 REV. 2, DATED 10/14/83.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB071 FOR COMPLETE DOCUMENTATION	AD3E6Y
PRESS PSIG	0	0	TYPE TEST	2)AETC'S RETEST REPORT NO. 18987-84N, DATED 12/21/83.	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	70	90	TYPE TEST			
RADIATION	1E06	1E07	TYPE TEST		CONSIDERED IN MILD AREA DUE TO REDUCED RADIATION.	
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	18.5 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

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OHS -VA101		VA HAND SWITCH	F/L2783	WES W2 CS503	AUX 015 SX	0467 A13D	6/20E-0-3384 6/20E-0-4461B	C 1FP111 OVA01JA	A	AD3E19
OHS -VA111		VA HAND SWITCH	F/L2783	WES W2 CS503	AUX 015 SX	0465 A13D	6/20E-0-3384 6/20E-0-4465E	C 1FP108 OVA01JB	A	AD3E19
OHS -VA121		VA HAND SWITCH	F/L2783	WES W2 CS503	AUX 021 QX	0451 A13D	6/20E-0-3384 6/20E-0-4466D	C 2VA006 OVA01JC	A	AD3E19
OHS -VA131		VA HAND SWITCH	F/L2783	WES W2 CS503	AUX 021 QX	0451 A13D	6/20E-0-3384 6/20E-0-4462A	C 2VA012 OVA01JD	A	AD3E19
OHS -VA201		VA HAND SWITCH	F/L2783	WES W2 CS503	AUX 015 SX	0467 A13D	6/20E-0-3384 6/20E-0-4461B	C 1FP111 OVA01JA	A	AD3E19
OHS -VA211		VA HAND SWITCH	F/L2783	WES W2 CS503	AUX 015 SX	0465 A13D	6/20E-0-3384 6/20E-0-4465E	C 1FP108 OVA01JB	A	AD3E19
OHS -VA221		VA HAND SWITCH	F/L2783	WES W2 CS503	AUX 021 QX	0451 A13D	6/20E-0-3384 6/20E-0-4466D	C 2VA006 OVA01JC	A	AD3E19
OHS -VA231		VA HAND SWITCH	F/L2783	WES W2 CS503	AUX 021 QX	0451 A13D	6/20E-0-3384 6/20E-0-4462A	C 2VA012 OVA01JD	A	AD3E19
OHS -VA301		VA HAND SWITCH	F/L2783	WES W2 CS504	AUX 015 SX	0467 A13D	6/20E-0-3384 6/20E-0-4461B	C 1FP111 OVA01JA	A	AD3E19
OHS -VA302		VA HAND SWITCH	F/L2783	WES W2 CS504	AUX 015 SX	0465 A13D	6/20E-0-3334 6/20E-0-4465E	C 1FP108 OVA01JB	A	AD3E19
OHS -VA311		VA HAND SWITCH	F/L2783	WES W2 CS504	AUX 021 QX	0451 A13D	6/20E-0-3384 6/20E-0-4466D	C 2VA006 OVA01JC	A	AD3E19

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					BDG	COL	ROW						
OHS -VA312	VA	HAND SWITCH	F/L2783	WES W2 CS504	AUX	021	QX	0451	A13D	6/20E-0-3384 6/20E-0-4462A	C 2VA012 OVA01JD	A	AD3E19
OHS -VA321	VA	HAND SWITCH	F/L2783	WES W2 CS504	AUX	015	SX	0465	A13D	6/20E-0-3384 6/20E-0-4465E	C 1FP108 OVA01JB	A	AD3E19
OHS -VA322	VA	HAND SWITCH	F/L2783	WES W2 CS504	AUX	021	QX	0451	A13D	6/20E-0-3384 6/2CE-0-4466D	C 2VA006 OVA01JC	A	AD3E19
OHS -VA331	VA	HAND SWITCH	F/L2783	WES W2 CS504	AUX	015	SX	0467	A13D	6/20E-0-3384 6/20E-0-4461B	C 1FP111 OVA01JA	A	AD3E19
OHS -VA332	VA	HAND SWITCH	F/L2783	WES W2 CS504	AUX	015	SX	0465	A13D	6/20E-0-3384 6/20E-0-4465E	C 1FP108 OVA01JB	A	AD3E19

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AD3E19

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : SUPPLY FAN CONTROL

ENVR ZONE : A13D

COMP/EQUIP: HAND SWITCH

MANUF. : WESTINGHOUSE

MODEL SUPP: W 2

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	COMP
PARAMETER	PLT DES	QUALIFICATION	DOCUMENT REFERENCE	NUMBER
		METHOD		
TEMP DEG F : 122	SEE	TYPE TEST	REFER TO ENVIRONMENTAL QUALIFICATION BINDER	AD3E19
	REMARKS		NO. EQ-BB070 FOR COMPLETE DOCUMENTATION	
PRESS PSIG : -.50 TO			PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
0 IN. WG :				
REL HUMID % : 90				
PADIATION : 1E04			THE RADIATION LEVEL AT THIS LOCATION HAS BEEN	
			ANALYTICALLY DETERMINED TO BE 1E04. EQUIPMENT	
CHEM SPRAY : N/A			IS NOT SUBJECTED TO A HARSH ENVIRONMENT AND	
			THEREFORE NOT IN THE SCOPE.	
OPE TME MN : CONT.				
QUAL. LIFE : 40 YRS.				
SUBMERGENCE : N/A				

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW					
N/A	VA	INDICATOR LIGHT	F/L2783	WES E2C	AUX	015	VX	0467	A13D	C OVA21J	A	AD3E03
N/A	VA	INDICATOR LIGHT	F/L2783	WES E2C	AUX	015	VX	0472	A13D	C OVA22J	A	AD3E03
N/A	VA	INDICATOR LIGHT	F/L2783	WES E2C	AUX	021	VX	0467	A13D	C OVA23J	A	AD3E03
N/A	VA	INDICATOR LIGHT	F/L2783	WES E2C	AUX	021	VX	0473	A13D	C OVA24J	A	AD3E03
N/A	VA	INDICATOR LIGHT	F/L2783	WES E2C	AUX	015	SX	0467	A13D	C OHS -VA511	A	AD3E03
N/A	VA	INDICATOR LIGHT	F/L2783	WES E2C	AUX	015	UX	0459	A13D	C OHS -VA512	A	AD3E03
N/A	VA	INDICATOR LIGHT	F/L2783	WES E2C	AUX	015	SX	0451	A13D	C OHS -VA513	A	AD3E03
N/A	VA	INDICATOR LIGHT	F/L2783	WES E2C	AUX	018	UX	0467	A13D	C OHS -VA514	A	AD3E03
N/A	VA	INDICATOR LIGHT	F/L2783	WES E2C	AUX	018	UX	0459	A13D	C OHS -VA515	A	AD3E03
N/A	VA	INDICATOR LIGHT	F/L2783	WES E2C	AUX	018	SX	0451	A13D	C OHS -VA516	A	AD3E03
N/A	VA	INDICATOR LIGHT	F/L2783	WES E2C	AUX	018	SX	0469	A13D	C OHS -VA517	A	AD3E03

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW					
N/A		VA INDICATOR LIGHT	F/L2783	WES EZC	AUX	018	UX	0459	A13D	C	A	AD3E03
										OHS -VA518		
N/A		VA INDICATOR LIGHT	F/L2783	WES EZC	AUX	021	SX	0451	A13D	C	A	AD3E03
										OHS -VA519		
N/A		VA INDICATOR LIGHT	F/L2783	WES EZC	AUX	021	SX	0467	A13D	C	A	AD3E03
										OHS -VA520		
N/A		VA INDICATOR LIGHT	F/L2783	WES EZC	AUX	021	UX	0459	A13D	C	A	AD3E03
										OHS -VA521		
N/A		VA INDICATOR LIGHT	F/L2783	WES EZC	AUX	021	SX	0451	A13D	C	A	AD3E03
										OHS -VA522		
N/A		VA INDICATOR LIGHT	F/L2783	WES EZC	AUX	015	VX	0467	A13D	C	A	AD3E03
										OHS -VA523		
N/A		VA INDICATOR LIGHT	F/L2783	WES EZC	AUX	015	UX	0459	A13D	C	A	AD3E03
										OHS -VA524		
N/A		VA INDICATOR LIGHT	F/L2783	WES EZC	AUX	015	UX	0451	A13D	C	A	AD3E03
										OHS -VA525		
N/A		VA INDICATOR LIGHT	F/L2783	WES EZC	AUX	C18	UX	0467	A13D	C	A	AD3E03
										OHS -VA526		
N/A		VA INDICATOR LIGHT	F/L2783	WES EZC	AUX	018	UX	0459	A13D	C	A	AD3E03
										OHS -VA527		
N/A		VA INDICATOR LIGHT	F/L2783	WES EZC	AUX	018	UX	0451	A13D	C	A	AD3E03
										OHS -VA528		

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW					
N/A	VA	INDICATOR LIGHT	F/L2783	WES EZC	AUX	021	UX	0467	A13D	C OHS -VA529	A	AD3E03
N/A	VA	INDICATOR LIGHT	F/L2783	WES EZC	AUX	021	UX	0459	A13D	C OHS -VA530	A	AD3E03
N/A	VA	INDICATOR LIGHT	F/L2783	WES EZC	AUX	021	UX	0451	A13D	C OHS -VA531	A	AD3E03
N/A	VA	INDICATOR LIGHT	F/L2783	WES EZC	AUX	015	VX	0467	A13D	C OHS -VA532	A	AD3E03
N/A	VA	INDICATOR LIGHT	F/L2783	WES EZC	AUX	015	VX	0459	A13D	C OHS -VA533	A	AD3E03
N/A	VA	INDICATOR LIGHT	F/L2783	WES EZC	AUX	015	VX	0451	A13D	C OHS -VA534	A	AD3E03
N/A	VA	INDICATOR LIGHT	F/L2783	WES EZC	AUX	018	VX	0467	A13D	C OHS -VA535	A	AD3E03
N/A	VA	INDICATOR LIGHT	F/L2783	WES EZC	AUX	018	VX	0459	A13D	C OHS -VA536	A	AD3E03
N/A	VA	INDICATOR LIGHT	F/L2783	WES EZC	AUX	018	VX	0451	A13D	C OHS -VA537	A	AD3E03
N/A	VA	INDICATOR LIGHT	F/L2783	WES EZC	AUX	021	VX	0467	A13D	C OHS -VA538	A	AD3E03
N/A	VA	INDICATOR LIGHT	F/L2783	WES EZC	AUX	019	UX	0459	A13D	C OHS -VA539	A	AD3E03

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION --- BDG COL ROW ELEV ZONE	ENVR SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
N/A		VA INDICATOR LIGHT	F/L2783	WES EZC	AUX 021 VX 0451 A13D		C OHS -VA540	A	AD3E03
N/A		VA INDICATOR LIGHT	F/L2783	WES EZC	AUX 018 VX 0475 A13D		C OHS -VA546	A	AD3E03
N/A		VA INDICATOR LIGHT	F/L2783	WES EZC	AUX 018 VX 0451 A13D		C OHS -VA547	A	AD3E03
OZL -VA341 A		VA POSITION LIGHT	F/L2783	WES EZC IL508	AUX 015 SX 0467 A13D	6/20E-0-3384 6/20E-0-4461B	C 1FP111 OVA01JA	B	AD3E03
OZL -VA341 B		VA POSITION LIGHT	F/L2783	WES EZC IL508	AUX 015 SX 0467 A13D	6/20E-0-3384 6/20E-0-4461B	C 1FP111 OVA01JA	B	AD3E03
OZL -VA342 A		VA POSITION LIGHT	F/L2783	WES EZC IL508	AUX 015 SX 0465 A13D	6/20E-0-3384 6/20E-0-4465E	C 1FP108 OVA01JB	B	AD3E03
OZL -VA342 B		VA POSITION LIGHT	F/L2783	WES EZC IL508	AUX 015 SX 0465 A13D	6/20E-0-3384 6/20E-0-4465E	C 1FP108 OVA01JB	B	AD3E03
OZL -VA483		VA POSITION LIGHT	F/L2783	WES EZC IL504	AUX 015 SX 0467 A13D	6/20E-0-3384 6/20E-0-4461B	C 1FP111 OVA01JA	B	AD3E03
OZL -VA484		VA POSITION LIGHT	F/L2783	WES EZC IL504	AUX 015 SX 0465 A13D	6/20E-0-3384 6/20E-0-4465E	C 1FP108 OVA01JB	B	AD3E03
OZL -VA485		VA POSITION LIGHT	F/L2783	WES EZC IL504	AUX 021 QX 0451 A13D	6/20E-0-3384 6/20E-0-4466D	C 2VA006 OVA01JC	B	AD3E03
OZL -VA486		VA POSITION LIGHT	F/L2783	WES EZC IL504	AUX 021 QX 0451 A13D	6/20E-0-3384 6/20E-0-4462A	C 2VA012 OVA01JD	B	AD3E03

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					BDG	COL	ROW					
OZL -VA487	VA	POSITION LIGHT	F/L2783	WES EZC IL504	AUX	015	SX	0467 A13D	6020E-0-3384 6/20E-0-4461B	C 1FP111 OVA01JA	B	AD3E03
OZL -VA488	VA	POSITION LIGHT	F/L2783	WES EZC IL504	AUX	015	SX	0465 A13D	6/20E-0-3384 6/20E-0-4465E	C 1FP108 OVA01JB	B	AD3E03
OZL -VA489	VA	POSITION LIGHT	F/L2783	WES EZC IL504	AUX	021	QX	0451 A13D	6/20E-0-3384 6/20E-0-4466D	C 2VA006 OVA01JC	B	AD3E03
OZL -VA490	VA	POSITION LIGHT	F/L2783	WES EZC IL504	AUX	021	QX	0451 A13D	6/20E-0-3384 6/20E-0-4462A	C 2VA012 OVA01JD	B	AD3E03
OZL -VA505	VA	POSITION LIGHT	F/L2783	WES EZC IL504	AUX	015	SX	0467 A13D	6/20E-0-3384 6/20E-0-4461B	C 1FP111 OVA01JA	B	AD3E03
OZL -VA506	VA	POSITION LIGHT	F/L2783	WES EZC IL504	AUX	021	QX	0451 A13D	6/20E-0-3384 6/20E-0-4466D	C 2VA006 OVA01JC	B	AD3E03
OZL -VA507	VA	POSITION LIGHT	F/L2783	WES EZC IL504	AUX	015	SX	0465 A13D	6/20E-0-3384 6/20E-0-4465E	C 1FP108 OVA01JB	B	AD3E03
OZL -VA713	VA	POSITION LIGHT	F/L2783	WES EZC IL508	AUX	015	SX	0467 A13D	6/20E-0-3384 6/20E-0-4461B	C 1FP111 OVA01JA	B	AD3E03
OZL -VA714	VA	POSITION LIGHT	F/L2783	WES EZC IL508	AUX	015	SX	0465 A13D	6/20E-0-3384 6/20E-0-4465E	C 1FP108 OVA01JB	B	AD3E03
OZL -VA715	VA	POSITION LIGHT	F/L2783	WES EZC IL508	AUX	021	QX	0451 A13D	6/20E-0-3384 6/20E-0-4466D	C 2VA006 OVA01JC	B	AD3E03
OZL -VA716	VA	POSITION LIGHT	F/L2783	WES EZC IL508	AUX	021	QX	0451 A13D	6020E-0-3384 6/20E-0-4462A	C 2VA012 OVA01JD	B	AD3E03

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ELEV ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW					
OZL -VA717	VA	POSITION LIGHT	F/L2783	WES EZC IL508	AJX	015	SX	0467 A13D	6/20E-O-3384	C 1FP111 OVA01JA	B	AD3E03
									6/20E-O-4461B			
OZL -VA718	VA	POSITION LIGHT	F/L2783	WES EZC IL508	AUX	015	SX	0465 A13D	6/20E-O-3384	C 1FP108 OVA01JB	B	AD3E03
									6/20E-O-4465E			
OZL -VA719	VA	POSITION LIGHT	F/L2783	WES EZC IL508	AUX	015	SX	0465 A13D	6/20E-O-3384	C 1FP108 OVA01JB	B	AD3E03
									6/20E-O-4465E			
OZL -VA720	VA	POSITION LIGHT	F/L2783	WES EZC IL508	AUX	021	QX	0451 A13D	6/20E-O-3384	C 2VA006 OVA01JC	B	AD3E03
									6/20E-O-4466D			

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AD3E03

SPEC. NUM.: F/L2783
 SYSTEM : VA
 SAFETY CAT: A
 FUNCTION : MAINTAIN 1E INTEGRITY
 ENVR ZONE : A13D
 COMP/EQUIP: INDICATOR LIGHT
 MANUF. : WESTINGHOUSE
 MODEL SUPP: EZC

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP	
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER	
TEMP DEG F	122MAX	130	TYPE TEST	AETC'S TEST REPORT NO. 15221, REV. 2- 10/14/83 -	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB016 FOR COMPLETE DOCUMENTATION	AD3E03
PRESS PSIG	0.0	AMBIENT	TYPE TEST	AETC'S RETESTING REPORT NO. 18987-84N, DATED	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	70	90	TYPE TEST	DECEMBER, 1983.		
RADIATION	1E06	1E07	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	18.5 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			



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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	CCL	ROW	ELEV					
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	015	VX	0467	A13D		OVA21J	A	AD3E6Q
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	015	VX	0472	A13D		OVA22J	A	AD3E6Q
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	021	VX	0467	A13D		OVA23J	A	AD3E6Q
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	021	VX	0473	A13D		OVA24J	A	AD3E6Q
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	015	SX	0467	A13D		OHS -VA511	A	AD3E6Q
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	015	UX	0459	A13D		OHS -VA512	A	AD3E6Q
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	015	SX	0451	A13D		OHS -VA513	A	AD3E6Q
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	018	UX	0467	A13D		OHS -VA514	A	AD3E6Q
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	018	UX	0459	A13D		OHS -VA515	A	AD3E6Q
N/A	VA	WIRE	F/L2 83	GE 1-PLEX	AUX	018	SX	0451	A13D		OHS -VA516	A	AD3E6Q
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	018	SX	0469	A13D		OHS -VA517	A	AD3E6Q

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW					
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	018	UX	0459	A13D		A	AD3E6Q
										OHS -VA518		
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	021	SX	0451	A13D		A	AD3E6Q
										OHS -VA519		
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	021	SX	0467	A13D		A	AD3E6Q
										OHS -VA520		
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	021	UX	0459	A13D		A	AD3E6Q
										OHS -VA521		
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	021	SX	0451	A13D		A	AD3E6Q
										OHS -VA522		
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	051	VX	0467	A13D		A	AD3E6Q
										OHS -VA523		
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	015	UX	0459	A13D		A	AD3E6Q
										OHS -VA524		
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	015	UX	0451	A13D		A	AD3E6Q
										OHS -VA525		
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	018	UX	0467	A13D		A	AD3E6Q
										OHS -VA526		
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	018	UX	0459	A13D		A	AD3E6Q
										OHS -VA527		
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX	018	UX	0451	A13D		A	AD3E6Q
										OHS -VA528		

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW					
N/A		VA WIRE	F/L2783	GE 1-PLEX	AUX	021	UX	0467	A13D	OHS -VA529	A	AD3E6Q
N/A		VA WIRE	F/L2783	GE 1-PLEX	AUX	021	UX	0459	A13D	OHS -VA530	A	AD3E6Q
N/A		VA WIRE	F/L2783	GE 1-PLEX	AUX	021	UX	0451	A13D	OHS -VA531	A	AD3E6Q
N/A		VA WIRE	F/L2783	GE 1-PLEX	AUX	015	VX	0467	A13D	OHS -VA532	A	AD3E6Q
N/A		VA WIRE	F/L2783	GE 1-PLEX	AUX	015	VX	0459	A13D	OHS -VA533	A	AD3E6Q
N/A		VA WIRE	F/L2783	GE 1-PLEX	AUX	015	VX	0451	A13D	OHS -VA534	A	AD3E6Q
N/A		VA WIRE	F/L2783	GE 1-PLEX	AUX	018	VX	0467	A13D	OHS -VA535	A	AD3E6Q
N/A		VA WIRE	F/L2783	GE 1-PLEX	AUX	018	VX	0459	A13D	OHS -VA536	A	AD3E6Q
N/A		VA WIRE	F/L2783	GE 1-PLEX	AUX	018	VX	0451	A13D	OHS -VA537	A	AD3E6Q
N/A		VA WIRE	F/L2783	GE 1-PLEX	AUX	021	VX	0467	A13D	OHS -VA538	A	AD3E6Q
N/A		VA WIRE	F/L2783	GE 1-PLEX	AUX	019	UX	0459	A13D	OHS -VA539	A	AD3E6Q

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.	MFG TYPE/MODEL	--- LOCATION --- BD% COL ROW ELEV ZONE	ENVR SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX 021 VX 0451 A13D		OHS -VA540	A	AD3E6Q
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX 018 VX 0475 A13D		OHS -VA546	A	AD3E6Q
N/A	VA	WIRE	F/L2783	GE 1-PLEX	AUX 018 VX 0451 A13D		OHS -VA547	A	AD3E6Q

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AD3E6Q

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : MAINTAIN CONTINUITY & INTEGRITY OF CLASS 1E CIRCUITS

ENVR ZONE : A13D

COMP/EQUIP: 1-PLEX WIRE

MANUF. : G.E.

MODEL SUPP: SIS SINGLE PLEX

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER : PLT DES:	QUALIFICATION:	METHOD	DOCUMENT REFERENCE		NUMBER:
TEMP DEG F : 122	: 130	: TYPE TEST	: 1)AET'S TEST REPORT NO. 15281, REV. 2- 10/14/83	: REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB020 FOR COMPLETE DOCUMENTATION	: AD3E6Q
PRESS PSIG : 0.0	: 0	: TYPE TEST	: 2)AET'S RETESTING REPORT NO. 18987-84N, DATED DECEMBER, 1983.	: PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	:
REL HUMID %: 70	: 90	: TYPE TEST	:	:	:
RADIATION : 1E06	: 1E07	: TYPE TEST	:	:	:
CHEM SPRAY : N/A	: N/A	: N/A	:	:	:
OPE TME MN : CONT.	: CONT.	: TYPE TEST	:	:	:
QUAL. LIFE : 40 YRS.	: 40 YRS.	: TYPE TEST	:	:	:
SUBMERGENCE: N/A	: N/A	: N/A	:	:	:

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	015	VX	0467	A13D		OVA21J	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	015	VX	0472	A13D		OVA22J	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	021	VX	0467	A13D		OVA23J	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	021	VX	0473	A13D		OVA24J	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	015	SX	0467	A13D		OHS -VA511	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	015	UX	0459	A13D		OHS -VA512	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	015	SX	0451	A13D		OHS -VA513	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	018	UX	0467	A13D		OHS -VA514	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	018	UX	0459	A13D		OHS -VA515	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	018	SX	0451	A13D		OHS -VA516	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	018	SX	0469	A13D		OHS -VAE17	A	AD3E6W

SARGENT & LUNDY ENGINEERS
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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.			BDG	COL	ROW					
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	018	UX	0459	A13D	OHS -VA518	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	021	SX	0451	A13D	OHS -VA519	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	021	SX	0467	A13D	OHS -VA520	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	021	UX	0459	A13D	OHS -VA521	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	021	SX	0451	A13D	OHS -VA522	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	015	VX	0467	A13D	OHS -VA523	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	015	UX	0459	A13D	OHS -VA524	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	015	UX	0451	A13D	OHS -VA525	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	018	UX	0467	A13D	OHS -VA526	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	018	UX	0459	A13D	OHS -VA527	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	018	UX	0451	A13D	OHS -VA528	A	AD3E6W

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW					
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	021	UX	0467	A13D	OHS -VA529	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	021	UX	0459	A13D	OHS -VA530	A	AD3E6W
N/L	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	021	UX	0451	A13D	OHS -VA531	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	015	VX	0467	A13D	OHS -VA532	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	015	VX	0459	A13D	OHS -VA533	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	015	VX	0451	A13D	OHS -VA534	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	018	VX	0467	A13D	OHS -VA535	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	018	VX	0459	A13D	OHS -VA536	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	018	VX	0451	A13D	OHS -VA537	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	021	VX	0467	A13D	OHS -VA538	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	019	UX	0459	A13D	OHS -VA539	A	AD3E6W

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV				
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	O21	VX	O451	A13D		A	AD3E6W
										OHS -VA540		
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	O18	VX	O475	A13D		A	AD3E6W
										OHS -VA546		
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	O18	VX	O451	A13D		A	AD3E6W
										OHS -VA547		

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AD3E6W

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : MAINTAIN CLASS 1E CIRCUITS AND PROVIDE 600V ELECTRIC
ISOLATION BETWEEN ADJACENT TERMINALS.

ENVR ZONE : A13D

COMP/EQUIP: TERMINAL BLOCK

MANUF. : G.E.

MODEL SUPP: CR151B2-NUC

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP	
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER	
TEMP DEG F	122	130	TYPE TEST	1)AET'S TEST REPORT NO. 15281, REV. 2- 10/14/83	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB017 FOR COMPLETE DOCUMENTATION	AD3E6W
PRESS PSIG	0	0	TYPE TEST	2)AET'S RETESTING REPORT NO. 18987-84N, DATED DECEMBER, 1983.	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	70	90	TYPE TEST			
RADIATION	1E06	1E07	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	40 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
1CC9412B	CC	MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX	017	VX	0376	A13E	6/20E-0-3315 6/20E- 6/20E-1-4681D	1CC047	A	AE3A17
2CC9412B	CC	MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX	019	VX	0364	A13E	6/20E-0-3315 6/20E- 6/20E-2-4681D	2CC047	A	AE3A17

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AE3A17

SPEC. NUM.: F/L2702

SYSTEM : CC

SAFETY CAT: A

FUNCTION : CONTAINMENT ISOLATION

ENVR ZONE : A13E

COMP/EQUIP: MOTOR OPERATED VALVE ACTUATOR

MANUF. : LIMITORQUE/RELIANCE

MODEL SUPP: SMB-00-10

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER : PLT DES:	QUALIFICATION:	METHOD :	DOCUMENT REFERENCE :	NUMBER:
TEMP DEG F : 104 :	210 :	TYPE TEST :	WESTINGHOUSE EQUIP. QUAL. :	REFER TO ENVIRONMENTAL QUALIFICATION BINDER :
			TEST REPORT H04A. :	AE3A17 :
PRESS PSIG : 0 :	-6.7/+2.3 :	TYPE TEST :		EQDP-HE-4 FOR COMPLETE DOCUMENTATION PACKAGE :
				ASSOCIATED WITH THIS EQUIPMENT. :
REL HUMID %: 70 :	100 :	TYPE TEST :		
RADIATION : 1E05 :	4E06 :	TYPE TEST :		
CHEM SPRAY : N/A :	N/A :	N/A :		
OPE TME MN : INTER. :	INTER. :	TEST/ANALYSIS :		
QUAL. LIFE : 40 YRS. :	40 YRS. :	TEST/ANALYSIS :		
SUBMERGENCE : N/A :	N/A :	N/A :		

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW	ELEV	ZONE				
OPS -FP162		FP PRESSURE SWITCH	F2906	UEL J302-S164 PS167	AUX	012	LX	0463	A13E	6E-0-3381 6E- 6E-0-4976D	1FP150	A	AE3E25
OPS -FP163		FP PRESSURE SWITCH	F2906	UEL J302-S164 PS167	AUX	012	LX	0463	A13E	6E-0-3381 6E- 6E-0-4976D	1FP143	A	AE3E25
OPS -FP164		FP PRESSURE SWITCH	F2906	UEL J302-S164 PS167	AUX	024	LX	0463	A13E	6E-0-3383 6E- 6E-0-4976E	1FP158	A	AE3E25
OPS -FP165		FP PRESSURE SWITCH	F2906	UEL J302-S164 PS168	AUX	024	LX	0463	A13E	6E-0-3383 6E- 6E-0-4976E	1FP127	A	AE3E25

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AE3E25

SPEC. NUM.: F/L2906

SYSTEM : FP

SAFETY CAT: A

FUNCTION : CHARCOAL FILTER FIRE PROTECTION WATER PRESSURE

ENVR ZONE : A13E

COMP/EQUIP: PRESSURE SWITCH

MANUF. : UNITED ELECTRIC

MODEL SUPP: J302-S164

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER
TEMP DEG F : 104MAX :	147 :	TYPE TEST :	WYLE LABORATORIES QUALIFI- :	(+QUALIFICATION TO RADIATION BY ANALYSIS). :	AE3E25 :
PRESS PSIG : -.25 TO :	0 :	TYPE TEST :	CATION REPORT NO. 17612-1 :	INTERIM JUSTIFICATION HAS BEEN PROVIDED. :	:
REL HUMID % : 70 :	95 :	TYPE TEST :	:	ADDITIONAL TESTING FOR RADIATION WILL BE :	:
RADIATION : 1E05 :	1E06 :	ANALYSIS+ :	:	PERFORMED. SEE S&L LETTER TO WYLE DATED :	:
CHEM SPRAY : N/A :	N/A :	N/A :	:	4-27-84. :	:
OPE TME MN : CONT. :	CONT. :	TYPE TEST :	:	:	:
QUAL. LIFE : 40 YRS. :	40 YRS. :	TYPE TEST :	:	:	:
SUBMERGENCE : N/A :	N/A :	N/A :	:	:	:

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
1HS -CC069	CC	SEL SWITCH	F/L2783	WES DT2	AUX	013	WX	0426	A13E	6/20E-1-3352 6/20E-1-4030CC13 6/20E-1-4946	C 1CC244	A	AE3E26
1HS -CC070	CC	SEL SWITCH	F/L2783	WES DT2	AUX	013	WX	0426	A13E	6/20E-1-3352 6/20E-1-4030CC13 6/20E-1-4946	C 1CC245	A	AE3E26
2HS -CC069	CC	SEL SWITCH	F/L2783	WES DT2	AUX				A13E	6/20E- 6/20E- 6/20E-2-4946	2CC244	A	AE3E26
2HS -CC070	CC	SEL SWITCH	F/L2783	WES DT2	AUX				A13E	6/20E- 6/20E- 6/20E-2-4946	2CC245	A	AE3E26

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AE3E26

SPEC. NUM.: F/L2783
 SYSTEM : CC
 SAFETY CAT: A
 FUNCTION : HVAC CONTROLS
 ENVR ZONE : A13E
 COMP/EQUIP: SELECTOR SWITCH
 MANUF. : WESTINGHOUSE
 MODEL SUPP: OT2

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER
TEMP DEG F	104	130	TYPE TEST	1)AETC REPORT NO. 15281 REV. 2, DATED 10/14/83.	AE3E26
PRESS PSIG	-.25 TO 0 IN. WG	AMBIENT	TYPE TEST	2)AETC RETEST REPORT NO. 18987-84N DATED 12/21/83.	
REL HUMID %	70	90	TYPE TEST		
RADIATION	1E05	1E07	TYPE TEST		
CHEM SPRAY	N/A	N/A	N/A		
OPE TME MN	1 YR.	1 YR.	TYPE TEST		
QUAL. LIFE	40 YRS.	18.6 YRS.	TYPE TEST		
SUBMERGENCE	N/A	N/A	N/A		



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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
1TS -VA009	VA	TEMP SWITCH	F/L2783	UEL C303D-103 TS504	AUX	016	UX	0364	A13F	6/20E-0-3315 6/20E- 6/20E-1-4471J	C 1VA147	A	AF3E28
2TS -VA009	VA	TEMP SWITCH	F/L2783	UEL C303D-103 TS504	AUX	019	UX	0364	A13F	6/20E-0-3315 6/20E- 6/20E-2-4471J	C 2VA147	A	AF3E28

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AF3E28

SPEC. NUM.: F/L2783
 SYSTEM : VA
 SAFETY CAT: A
 FUNCTION : COOLER AUTO CONTROL
 ENVR ZONE : A13F
 COMP/EQUIP: TEMPERATURE SWITCH
 MANUF. : UNITED ELECTRIC
 MODEL SUPP: C303D-103

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	PLT DES	QUALIFICATION	METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	122	122	TYPE TEST	1)AETC REP. NO. 15281 REV. 2: DATED 10/14/83.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB021 FOR COMPLETE DOCUMENTATION	AF3E28
PRESS PSIG	2.42	0	TYPE TEST	2)AETC RETEST REP. NO. 18987-84N, DATED 12/21/83.	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	90	90	TYPE TEST			
RADIATION	1E06	1E07	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	8.9 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						
1HS -VA009	VA	SEL SWITCH	F/L2783	WES OT2 CS509	AUX	017	UX	0364	A13F	6/20E-0-3315 6/20E- 6/20E-2-4471J	C 1VA060 1VA09J	A	AF3E29
2HS -VA009	VA	SEL SWITCH	F/L2783	WES OT2 CS509	AUX	019	UX	0364	A13F	6/20E-0-3315 6/20E- 6/20E-2-4471J	C 2VA062 2VA09J	A	AF3E29

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AF3E29

SPEC. NUM.: F/L27b3

SYSTEM : VA

SAFETY CAT: A

FUNCTION : HVAC CONTROLS

ENVR ZONE : A13F

COMP/EQUIP: SEL SWITCH

MANUF. : WES.

MODEL SUPP: DT2

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE		NUMBER
TEMP DEG F	122	130	TYPE TEST	1)AETC REPORT NO. 15281 REV. 2, DATED 10/14/83.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB019 FOR COMPLETE DOCUMENTATION	AF3E29
PRESS PSIG	2.42	0	TYPE TEST	2)AETC RETEST REPORT NO. 18987-84N, DATED 12/21/83.	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	90	90	TYPE TEST			
RADIATION	1E06	1E07	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	18.6 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW					
N/A	VA WIRE		F/L2783	GE 1-PLEX	AUX	017	UX	0364	A13F	1VA09J	A	AF3E30
N/A	VA WIRE		F/L2783	GE 1-PLEX	AUX	019	UX	0364	A13F	1VA09J	A	AF3E30

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AF3E30

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : MAINTAIN CONTINUITY & INTEGRITY OF CLASS 1E CIRCUITS

ENVR ZONE : A13F

COMP/EQUIP: 1-FLEX WIRE

MANUF. : G.E.

MODEL SUPP: SIS SINGLE PLEX

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT		QUALIFICATION		QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE		NUMBER
TEMP DEG F	122	130	TYPE TEST	1)AET'S TEST REPORT NO. 15281, REV. 2- 10/14/83	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB020 FOR COMPLETE DOCUMENTATION	AF3E30
PRESS PSIG	2.42	0	TYPE TEST	2)AET'S RETESTING REPORT NO. 18987-84N, DATED DECEMBER, 1983.	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	90	90	TYPE TEST			
RADIATION	1E06	1E07	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	40 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW		ELEV				
N/A		VA TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	017	UX	0364	A13F		1VA09J	A	AF3E6T
N/A		VA TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	019	UX	0364	A13F		2VA09J	A	AF3E6T

SARGENT & LUNDY ENGINEERS
 COMPONENT QUALIFICATION DIVISION

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AF3E6T

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : MAINTAIN CLASS 1E CIRCUITS AND PROVIDE 600V ELECTRIC
 ISOLATION BETWEEN ADJACENT TERMINALS.

ENVR ZONE : A13F

COMP/EQUIP: TERMINAL BLOCK

MANUF. : G.E.

MODEL SUPP: CR151B2-NUC

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	122	130	TYPE TEST	1)AET'S TEST REPORT NO. 15281, REV. 2- 10/14/83	REFEP TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB017 FOR COMPLETE DOCUMENTATION	AF3E6T
PRESS PSIG	2.42	0	TYPE TEST	2)AET'S RETESTING REPORT NO. 18987-84N, DATED DECEMBER, 1983.	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	90	90	TYPE TEST			
RADIATION	1E06	1E07	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	40 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					ZONE
1CVO1PA	CV	CENTRIFUGAL CHARGING PUMP 1A	F/L2702	WES S.O.75F32350	AUX	O15	UX	O364	A13G	6/20E-0-3315 6/20E- 6/20E-1-4611L	C 1CVO01	A	AG3A24
2CVO1PA	CV	CENTRIFUGAL CHARGING PUMP 2A	F/L2702	WES S.O.75F32350	AUX	O20	VX	O364	A13G	6/20E-0-3315 6/20E- 6/20E-2-4611M	C 2CVO01	A	AG3A24

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AG3A24

SPEC. NUM.: F/L2702

SYSTEM : CV

SAFETY CAT: A

FUNCTION : CENTRIFUGAL CHARGING

ENVR ZONE : A13G

COMP/EQUIP: LARGE PUMP MOTOR

MANUF. : WESTINGHOUSE

MODEL SUPP: LIFE LINE D, TYPE LAC, MODEL HSDP

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER : PLT DES:	QUALIFICATION:	METHOD	DOCUMENT REFERENCE		NUMBER:
TEMP DEG F : 122 MAX:	120	TYPE TEST	WESTINGHOUSE EQUIPMENT QUAL	REFER TO ENVIRONMENTAL QUALIFICATION BINDER	AG3A24
PRESS PSIG : 0	0	TYPE TEST	TEST REPORT A02A.	EQDP AE-2 FOR COMPLETE DOCUMENTATION PACKAGE	
REL HUMID % : 90	95	TYPE TEST		ASSOCIATED WITH THIS EQUIPMENT.	
RADIATION : 1E07	5E07	TYPE TEST			
CHEM SPRAY : N/A	N/A	NONE		PUMP MOTORS ARE NOT REQUIRED TO OPERATE FOR	
OPE TME MN : SHORT	CONTINUOUS	TEST/ANALYSIS		HELB ACCIDENT WHICH THEY MAY BE SUBJECTED TO.	
QUAL. LIFE : 40 YRS.	5 YRS.	TEST/ANALYSIS			
SUBMERGENCE : N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					COG	COL	ROW					
2VAO2CA	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX		0364	A13G	N/A	N/A	N/A	AG3G06
2VAO6CA	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX		0364	A13G	N/A	N/A	N/A	AG3G06
2VAO6CB	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX		0364	A13G	N/A	N/A	N/A	AG3G06
2VAO6CC	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX		0364	A13G	N/A	N/A	N/A	AG3G06
2VAO6CD	VA	HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX		0364	A13G	N/A	N/A	N/A	AG3G06

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AG3G06

SPEC. NUM.: F/L2900

SYSTEM : VA

SAFETY CAT: N/A

FUNCTION : SUPPLY AIR MOVEMENT

ENVR ZONE : A13G

COMP/EQUIP: AUX. BLDG. HVAC PUMP CUBICLE COOLER FAN

MANUF. : TRANE

MODEL SUPP:

*OR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	COMP
PARAMETER	PLT DES	QUALIFICATION	DOCUMENT REFERENCE	NUMBER
		METHOD		
TEMP DEG F : 190	SEE	SEE	N/A	AG3G06
	REMARKS	REMARKS		
PRESS PSIG : 2.42				
REL HUMID % : 90				
RADIATION : 1E07				
CHEM SPRAY : N/A				
OPE TME MN : CONT.				
QUAL. LIFE : 40 YRS.				
SUBMERGENCE : N/A				

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						BDG	COL	ROW							
1VA06CA	VA	AUX BLDG HVAC CEN CHG PUMP CUB CLR FAN 1A	F/L2900	WEC	003 HP	CLASS H INSULAT	AUX	016	UX	0364	A13G	6/20E-0-3315 6/20E- 6/20E-1-4661C	C 1VA051	A	AG3A25
1VA06CB	VA	AUX BLDG HVAC CEN CHG PUMP CUB CLR FAN 1B	F/L2900	WEC	003 HP	CLASS H INSULAT	AUX	016	UX	0364	A13G	6/20E-0-3315 6/20E- 6/20E-1-4665B	C 1VA136	A	AG3A25
2VA06CA	VA	AUX BLDG HVAC CEN CHG PMP CUB COOLER FAN 2A	F/L2900	WEC	003 HP	CLASS H INSULAT	AUX	019	VX	0364	A13G	6/20E-0-3315 6/20E- 6/20E-2-4661C	C 2VA051	A	AG3A25
2VA06CB	VA	AUX BLDG HVAC CEN CHG PMP CUB COOLER FAN 2B	F/L2900	WEC	003 HP	CLASS H INSULAT	AUX	019	VX	0364	A13G	6/20E-0-3315 6/20E- 6/20E-2-4665B	C 2VA136	A	AG3A25

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AG3A25

SPEC. NUM.: F/L2900

SYSTEM : VA

SAFETY CAT: A

FUNCTION : CUBICLE COOLER

FNVR ZONE : A13G

COMP/EQUIP: MOTOR / HVAC PUMP CUBICLE COOLER FAN

MANUF. : WESTINGHOUSE

MODEL SUPP: 3HP CLASS H

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	COMP
PARAMETER	PLT DES	QUALIFICATION	DOCUMENT REFERENCE	NUMBER
		METHOD		
			REMARKS	
TEMP DEG F	122	130	TYPE TEST : WESTINGHOUSE ELECTRIC CORP. : REFER TO ENVIRONMENTAL QUALIFICATION BINDER : AG3A25	
			: QUALIFICATION DOCUMENT : NO. EQ-BB008 FOR COMPLETE DOCUMENTATION	
PRESS PSIG	ATM	ATM	TYPE TEST : MM-9112 LAST REV. 1/15/82. : PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	90	100	TYPE TEST	
RADIATION	1E07	2E08	TYPE TEST	
CHEM SPRAY	N/A	N/A	N/A	
OPE TME MN	CONT.	CONT.	TYPE TEST	
QUAL. LIFE	40	40	TYPE TEST	
SUBMERGENCE	N/A	N/A	N/A	

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
1TS -VA010	VA	TEMP SWITCH	F/L2783	UEL C303D-103 TS504	AUX	016	UX	0354	A13G	6/20E-0-3315 6/20E- 6/20E-1-4471K	C 1VA139	A	AG3E31
2TS -VA010	VA	TEMP SWITCH	F/L2783	UEL C303D-103 TS504	AUX	019	UX	0364	A13G	6/20E-0-3315 6/20E- 5/20E-2-4471K	C 2VA139	A	AG3E31

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AG3E31

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : COOLER AUTO CONTROL

ENVR ZONE : A13G

COMP/EQUIP: TEMP. SWITCH

MANUF. : UNITED ELECTRIC

MODEL SUPP: C303D-103

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	REMARKS	COMP		
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER	
TEMP DEG F	122	122	TYPE TEST	1)AETC TEST REPORT NO. 15281; REV. 2 -10/14/83.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BBO21 FOR COMPLETE DOCUMENTATION	AG3E31
PRESS PSIG	2.42	0	TYPE TEST	2)AETC RETEST REP. NO. 18987-84N, DATED 12/21/83.	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	90	90	TYPE TEST			
RADIATION	1E07	1E07	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	8.9 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW					
1RE -ARO25A	AR	RADIATION DETECTOR	F/L2827	GA RD-8	AUX	013	XX	369	A13G		A	AG3E6C
1RE -ARO25B	AR	RADIATION DETECTOR	F/L2827	GA RD-8	AUX	013	UX	369	A13G		A	AG3E6C
1RE -ARO26A	AR	RADIATION DETECTOR	F/L2827	GA RD-8	AUX	013	XX	383	A13G		A	AG3E6C
1RE -ARO26B	AR	RADIATION DETECTOR	F/L2827	GA RD-8	AUX	013	VX	383	A13G		A	AG3E6C
1RE -ARO27A	AR	RADIATION DETECTOR	F/L2827	GA RD-8	AUX	013	VX	401	A13G		A	AG3E6C
1RE -ARO27B	AR	RADIATION DETECTOR	F/L2827	GA RD-8	AUX	013	YX	401	A13G		A	AG3E6C

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AG3E6C

SPEC. NUM.: F/L2827

SYSTEM : AR

SAFETY CAT: A

FUNCTION : INITIATE CONTAINMENT ISOLATION

ENVR ZONE : A13G

COMP/EQUIP: RADIATION DETECTOR

MANUF. : G.A. TECHNOLOGIES

MODEL SUPP: RD-8

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	COMP
PARAMETER : PLT DES:	QUALIFICATION:	METHOD : DOCUMENT REFERENCE	REMARKS : NUMBER:
TEMP DEG F : 190 : 420	TYPE TEST	GENERAL ATOMICS REPORT : REFER TO ENVIRONMENTAL QUALIFICATION BINDER	AG3E6C
		E-255-1047, OCTOBER 1981. : NO. EQ-BB112 FOR COMPLETE DOCUMENTATION	
PRESS PSIG : 2.42PSI : 50 PSI	ANALYSIS		PACKAGE ASSOCIATED WITH THIS EQUIPMENT.
REL HUMID % : 90 : 100	TYPE TEST		
RADIATION : 1E07 : 1E08	TYPE TEST		
CHEM SPRAY : N/A * : N/A *	ANALYSIS		
OPE TME MN : 15 MIN* : 15 MIN. *	N/A		
QUAL. LIFE : 40 YRS. : 40 YRS.	TYPE TEST		*THE EQUIPMENT HAS TO OPERATE ONLY 15 MINUTES
SUBMERGENCE : N/A : N/A	N/A		INTO A LOCA. SEALS AND OTHER PROTECTIVE
			DEVICES WILL HOLD FOR A DURATION OF 15 MINUTES:

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						ELEV
N/A		VA INDICATOR LIGHT	F/L2783	WES EZC	AUX	017	UX	0364	A13G	6/2JE-0-3315 6/20E- 6/20E-1-4471K	C 1VA052 1VA10J	D	AG3E04
N/A		VA INDICATOR LIGHT	F/L2783	WES EZC	AUX	019	UX	0364	A13G	6/20E-0-3315 6/20E- 6/20E-2-4471K	C 2VA052 2VA10J	D	AG3E04

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AG3E04

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : MAINTAIN 1E INTEGRITY

ENVR ZONE : A13G

COMP/EQUIP: INDICATOR LIGHT

MANUF. : WESTINGHOUSE

MODEL SUPP: EZC

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER : PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER
TEMP DEG F : 122	: 130	: TYPE TEST	: 1)AETC'S TEST REPORT NO. 15281, REV. 2 - 10/14/83	: REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB016 FOR COMPLETE DOCUMENTATION
PRESS PSIG : 2.42	: AMBIENT	: TYPE TEST	: 2)AETC'S RETESTING REPORT NO. 18987-84N, DATED DECEMBER, 1983	: PACKAGE ASSOCIATED WITH THIS EQUIPMENT.
REL HUMID % : 90	: 90	: TYPE TEST		
RADIATION : 1E07	: 1E07	: TYPE TEST		
CHEM SPRAY : N/A	: N/A	: N/A		
OPE TME MN : CONT.	: CONT.	: TYPE TEST		
QUAL. LIFE : 40 YRS.	: 18.5 YRS.	: TYPE TEST		
SUBMERGENCE : N/A	: N/A	: N/A		

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O589 CAT.	COMPUTER NUMBER	
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
1HS -VA010	VA	SEL SWITCH	F/L2783	WES QT2 CS509	AUX	017	UX	0364	A13G	6/20E-0-3315 6/20E- 6/20E-1-4471K	C 1VA052 1VA10J	A	AG3E32
1HS -VA010	VA	SEL SWITCH	F/L2783	WES QT2 CS509	AUX	019	UX	0346	A13G	6/20E-0-3315 6/20E- 6/20E-0-4471K	C 2VA138 2VA10J	A	AG3E32

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AG3E32

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION :

ENVIR ZONE : A13G

COMP/EQUIP: SELECTOR SWITCH

MANUF. : WES.

MODEL SUPP: OT2

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE		NUMBER
TEMP DEG F	122	130	TYPE TEST	1)AETC REPORT NO. 15281 REV. 2, DATED 10/14/83.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB019 FOR COMPLETE DOCUMENTATION	AG3E32
PRESS PSIG	2.42	0	TYPE TEST	2)AETC RETEST REPORT NO. 18987-84N DATED 12/21/83.	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	90	90	TYPE TEST			
RADIATION	1E07	1E07	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	18.6 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

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			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW					
N/A	VA WIRE		F/L2783	GE 1-PLEX	AUX	017	UX	0364	A13G	1VA10J	A	AG3E6N
N/A	VA WIRE		F/L2783	GE 1-PLEX	AUX	019	UX	0346	A13G	2VA10J	A	AG3E6N

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AG3E6N

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : MAINTAIN CONTINUITY & INTEGRITY OF CLASS 1E CIRCUITS

ENVIR ZONE : A13G

COMP/EQUIP: 1-PLEX WIRE

MANUF. : G.E.

MODEL SUPP: SIS SINGLE PLEX

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	122	130	TYPE TEST	1)AET'S TEST REPORT NO. 15281, REV. 2- 10/14/83	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB020 FOR COMPLETE DOCUMENTATION	AG3E6N
PRESS PSIG	2.42	0	TYPE TEST	2)AET'S RETESTING REPORT NO. 18987-84N, DATED DECEMBER, 1983.	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	90	90	TYPE TEST			
RADIATION	1E07	1E07	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TYPE TEST			
CR AL. LIFE	40 YRS.	40 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	017	UX	0364	A13G		1VA10J	A	AG3E33
N/A	VA	TERMINAL BLOCK	F/L2783	GE CR151B2- NUC	AUX	019	UX	0346	A13G		2VA10J	A	AG3E33

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AG3E33

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : HVAC CONTROLS

ENVR ZONE : A13G

COMP/EQUIP: TERMINAL BLOCK

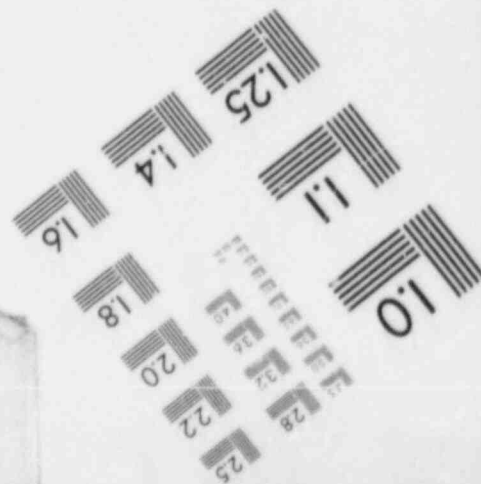
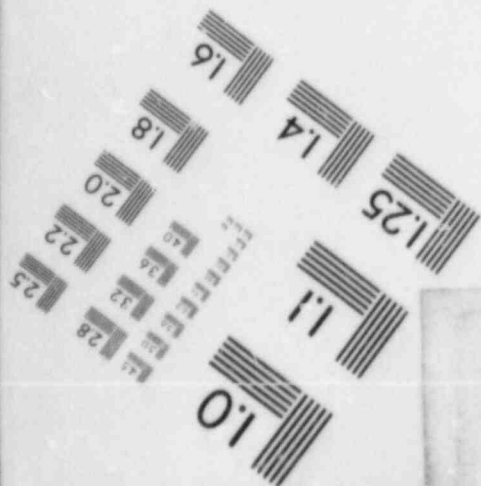
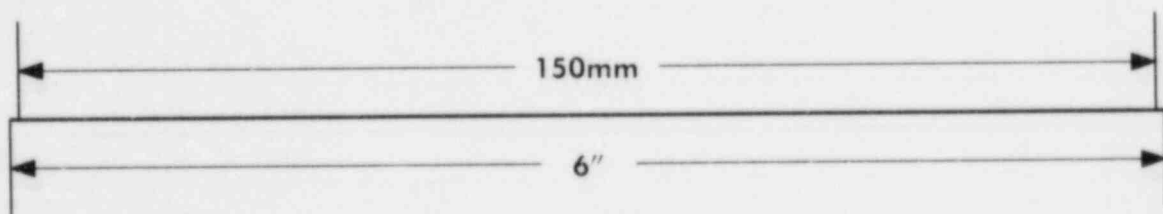
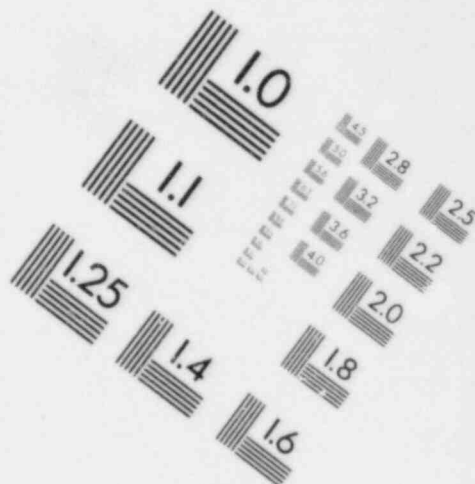
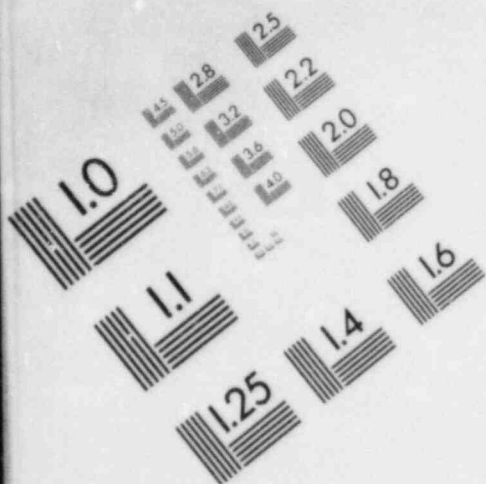
MANUF. : G.E.

MODEL SUPP: CR151B2-NUC

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	122	130	TYPE TEST	1)AET'S TEST REPORT NO. 15281, REV. 2- 10/14/83	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB017 FOR COMPLETE DOCUMENTATION	AG3E33
PRESS PSIG	2.42	AMBIENT	TYPE TEST	2)AET'S RETESTING REPORT NO. 18987-84N, DATED 12/21/83.	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	90	90	TYPE TEST			
RADIATION	1E07	1E07	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	40 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

IMAGE EVALUATION
TEST TARGET (MT-3)



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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						ELEV
1CV112B		CV MOTOR OPERATOR	F/L2702	LTQ SB-00-10 RLNCE CLSS B	AUX	016	QX	0427	A13H	6/20E-0-3354 6/20E- 6/20E-1-4669A	1CV065	A	AH3A05
1CV112C		CV MOTOR OPERATOR	F/L2702	LTQ SB-00-10 RLNCE CLSS B	AUX	016	QX	0427	A13H	6/20E-0-3354 6/20E- 6/20E-1-4689	1CV071	A	AH3A05
1CV8104		CV MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX	016	QX	0427	A13H	6/20E-0-3354 6/20E- 6/20E-1-4689B	1CV616	A	AH3A05
2CV112B		CV MOTOR OPERATOR	F/L2702	LTQ SB-00-10 RLNCE CLSS B	AUX	019	QX	0426	A13H	6/20E-0-3354 6/20E- 6/20E-2-4669A	2CV065	A	AH3A05
2CV112C		CV MOTOR OPERATOR	F/L2702	LTQ SB-00-10 RLNCE CLSS B	AUX	019	QX	0426	A13H	6/20E-0-3354 6/20E- 6/20E-2-4689C	2CV071	A	AH3A05
2CV8104		CV MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS B	AUX	019	SX	0426	A13H	6/20E- 6/20E- 6/20E-	2CV616	A	AH3A05

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AH3A05

SPEC. NUM.: F/L2702
 SYSTEM : CV
 SAFETY CAT: A
 FUNCTION : CONTAINMENT ISOLATION
 ENVR ZONE : A13H
 COMP/EQUIP: MOTOR OPERATED VALVE ACTUATOR
 MANUF. : LIMITORQUE/RELIANCE
 MODEL SUPP: SB-00-10

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	: 143 MAX	: 210	: TYPE TEST	: WESTINGHOUSE EQUIP. QUAL. : TEST REPORT HO4A.	: REFER TO ENVIRONMENTAL QUALIFICATION BINDER : NO. EQDP HE-4 FOR COMPLETE DOCUMENTATION : PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	: AH3A05
PRESS PSIG	: -.25	: -6.7/2.3	: TYPE TEST			
REL HUMID %	: 70	: 100	: TYPE TEST			
RADIATION	: 3.7E06	: 4E06GRADS	: TYPE TEST			
CHEM SPRAY	: N/A	: N/A	: N/A			
OPE TME MN	: INTER.	: INTER.	: TYPE TEST			
QUAL. LIFE	: 40 YRS.	: 40 YRS.	: TYPE TEST/ ANALYSIS			
SUBMERGENCE	: N/A	: N/A	: N/A			

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OZS -VA501AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 015 SX	0447 A13H	6/20E-0-3354 6/20E- 6/20E-0-4469S	1VA479	A	AH3D01
OZS -VA501AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 015 SX	0447 A13H	6/20E-0-3354 6/20E- 6/20E-0-4469S	1VA478	A	AH3D01
OZS -VA501BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 016 SX	0447 A13H	6/20E-0-3354 6/20E- 6/20E-0-4469S	1VA482	A	AH3D01
OZS -VA501BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 015 SX	0447 A13H	6/20E-0-3354 6/20E- 6/20E-0-4469S	1VA481	A	AH3D01
OZS -VA502AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 SX	0447 A13H	6/20E-0-3354 6/20E- 6/20E-0-4469P	1VA540	A	AH3D01
OZS -VA502AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 SX	0447 A13H	6/20E-0-3354 6/20E- 6/20E-0-4469P	1VA582	A	AH3D01
OZS -VA502BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 SX	0447 A13H	6/20E-0-3354 6/20E- 6/20E-0-4469P	1VA543	A	AH3D01
OZS -VA502BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 017 SX	0447 A13H	6/20E-0-3354 6/20E- 6/20E-0-4469P	1VA542	A	AH3D01
OZS -VA503AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 018 SX	0426 A13H	6/20E-0-3354 6/20E- 6/20E-0-4469M	2VA637	A	AH3D01
OZS -VA503AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 018 SX	0426 A13H	6/20E-0-3354 6/20E- 6/20E-0-4469M	2VA636	A	AH3D01
OZS -VA503BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX 019 SX	0426 A13H	6/20E-0-3354 6/20E- 6/20E-0-4469M	2VA640	A	AH3D01

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					BDG	COL	ROW						
OZS -VA503BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	019	SX	0426	A13H	6/20E-0-3354 6/20E- 6/20E-0-4469M	2VA639	A	AH3D01
OZS -VA504AA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	020	SX	0426	A13H	6/20E-0-3354 6/20E- 6/20E-0-4469M	2VA382	A	AH3D01
OZS -VA504AB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	020	SX	0426	A13H	6/20E-0-3354 6/20E- 6/20E-0-4469M	2VA381	A	AH3D01
OZS -VA504BA	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	020	SX	0426	A13H	6/20E-0-3354 6/20E- 6/20E-0-4469M	2VA385	A	AH3D01
OZS -VA504BB	VA	LIMIT SWITCH	F/L2903	NAM EA170XX302 DATE CD 8/79	AUX	020	SX	0426	A13H	6/20E-0-3354 6/20E- 6/20E-0-4469M	2VA384	A	AH3D01

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AH3D01

SPEC. NUM.: F/L2903

SYSTEM : VA

SAFETY CAT: A

FUNCTION : DAMPER POSITION INDICATION

ENVR ZONE : A13H

COMP/EQUIP: LIMIT SWITCH

MANUF. : NAMCO CONTROLCS

MODEL SUPP: EA170 SERIES

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION QUALIFICATION	METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	143	194	TYPE TEST	NAMCO CONTROL'S REP. QTR107 REV. 0 DATED 03/11/81 &	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB055 FOR COMPLETE DOCUMENTATION	AH3D01
PRESS PSIG	-0.25 TO 0 IN. WG	0	TYPE TEST	REP. LP10767-2 REV. 4 DATED 11/02/79.	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	70	100	TYPE TEST			
RADIATION	1E06	2.04E08	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS	10.62 YRS.	TYPE TEST/ ANALYSIS			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER		
			SPEC.NC.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV	
OVA429Y		VA DAMPER	F/L2903	PAP	AUX				0443	A13H	N/A	N/A	N/A	AH3G08

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AH3G08

SPEC. NUM.: F/L2903
 SYSTEM : VA
 SAFETY CAT: N/A
 FUNCTION : CONTROL AIR FLOW
 ENVR ZONE : A13H
 COMP/EQUIP: DAMPER
 MANUF. : PACIFIC AIR PRODUCTS
 MODEL SUPP:

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER : PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE		NUMBER
TEMP DEG F : 143	SEE REMARKS	SEE REMARKS	N/A	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. CQD- N/A FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	AH3G08
PRESS PSIG : -0.009					
REL HUMID % : 70				ITFMS DO NOT CONTAIN ANY NON-METALLIC COMPONENTS; THEREFORE NO E.Q. IS REQUIRED.	
RADIATION : 8E07				NO BINDER IS REQUIRED.	
CHEM SPRAY : N/A					
OPE TME MN : INTER.					
QUAL. LIFE : 40 YRS.					
SUBMERGENCE : N/A					

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/		CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW		ELEV	WIRING DIAGRAM NO.			
1LE -RC019	RC	REACTOR VES. LEVEL	F/L2931	CE HJTC/CETC	CNT				C 1			B	C1AE6D
1LE -RC020	RC	REACTOR VES. LEVEL	F/L2931	CE HJTC/CETC	CNT				C 1			B	C1AE6D

SARGENT & LUNDY ENGINEERS
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C1AE6D

SPEC. NUM.: F/L2931

SYSTEM : RC

SAFETY CAT: B

FUNCTION : REACTOR VESSEL LEVEL

ENVR ZONE : C 1

COMP/EQUIP: HEATED FUNCTION THERMO COUPLE

MANUF. : COMBUSTION ENGINEERING

MODEL SUPP: HJTC/CETC

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER
TEMP DEG F	320	420	TYPE TEST	CE-NPSD-251-P CE-NPSD-153-P	C1AE6D
PRESS PSIG	50	84	TYPE TEST		
REL HUMID %	100	100	TYPE TEST		
RADIATION	1.4E07 1.72E08	6.8E07	TYPE TEST		
CHEM SPRAY	0.15GPM /SQ.FT.	0.5 GPM/ SQ. FT.	TYPE TEST		
OPE TME MN	CONT.	CONT.	TYPE TEST		
QUAL. LIFE	40 YRS.	10 YRS.	TYPE TEST		
SUBMERGENCE	N/A	N/A	N/A		

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR	SCHEMATIC DIAGRAM/		CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV		ZONE	WIRING DIAGRAM NO.			
1NR07E	NR	JB-SOURCE AND INTERMEDIATE NEUTRON DETECTR	F/L2702	WES W/L24159	CNT	011	RI	0380	C 1	6/20E-1-3571 6/20E- 6/20E-1-4056F	C 1NR009	A	C1AE11	
1NR09E	NR	JB-SOURCE AND INTERMEDIATE NEUTRON DETECTR	F/L2702	WES W/L24159	CNT	001	RI	0380	C 1	6/20E-1-3572 6/20E- 6/20E-1-4056H	C 1NR128	A	C1AE11	
2NR07E	NR	JB-SOURCE AND INTERMEDIATE NEUTRON DETECTR	F/L2702	WES W/L24159	CNT	028	WX	0399	C 1	6/20E-2-3571 6/20E- 6/20E-2-4056F	C 2NR009	A	C1AE11	
2NR09E	NR	JB-SOURCE AND INTERMEDIATE NEUTRON DETECTR	F/L2702	WES W/L24159	CNT	028	WX	0399	C 1	6/20E-2-3572 6/20E- 6/20E-2-4056H	C 2NR128	A	C1AE11	

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C1AE11

SPEC. NUM.: F/L2702

SYSTEM : NR

SAFETY CAT: A

FUNCTION : SOURCE & INTERMEDIATE NEUTRON DETECTOR

ENVR ZONE : C 1

COMP/EQUIP: NEUTRON DETECTOR

MANUF. : WESTINGHOUSE

MODEL SUPP: WL-24159

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER
TEMP DEG F	: 122 MAX	: 200 MAX	: TYPE TEST	: WESTINGHOUSE EQUIPMENT QUAL. : REFER TO ENVIRONMENTAL QUAL. PACKAGE	: C1AE11
				: TEST REPORT E47A.	
PRESS PSIG	: -0.1 TO	: 2	: TYPE TEST	: NO. EQDP ESE-47A FOR COMPLETE DOCUMENTATION	
	: 0.3			: PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	: 20-50	: 95	: TYPE TEST		
RADIATION	: SEE	: 5.6E06	: TYPE TEST	: RADIATION DOSE BASED ON 12.5 YRS. I.I.D.	
	: REMARKS:			: POST ACCIDENT OPERATION NOT REQUIRED.	
CHEM SPRAY	: N/A	: N/A	: N/A	: 12.5 YRS. TID PER CALCULATION BY WESTINGHOUSE.	
OPE TME MN	: SEE	: SEE	: TYPE TEST	: 5.6E06 GAMA.	
	: REMARKS:	: REMARKS			
QUAL. LIFE	: 40 YRS.	: 10 YRS.	: TYPE TEST		
SUBMERGENCE	: N/A	: N/A	: N/A		

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						ELEV
1NR08E	NR	JB-POWER RANGE NEUTRON DETECTR AT 135 CH I	F/L2702	WES W/L23753	CNT	008	RI	0380	C 1	6/20E-1-3574 6/20E- 6/20E-1-4056F	C 1NR026	A	AE05
1NR10E	NR	JB-POWER RANGE NEUTRON DETECTR AT 315 CH II	F/L2702	WES W/L23753	CNT	019	RI	0380	C 1	6/20E-1-3572 6/20E- 6/20E-1-4056H	C 1NR052	A	C1AE05
1NR12E	NR	JB-POWER RANGE NEUTRON DETECTR AT 225 CH III	F/L2702	WES W/L23753	CNT	013	RI	0380	C 1	6/20E-1-3571 6/20E- 6/20E-1-4056K	C 1NR086	A	C1AE05
1NR14E	NR	JB-POWER RANGE NEUTRON DETECTR AT 45 CH IV	F/L2702	WES W/L23753	CNT	003	RI	0380	C 1	6/20E-1-3573 6/20E- 6/20E-1-4056M	C 1NR118	A	C1AE05
2NR08E	NR	JB-POWER RANGE NEUTRON DETECTR AT 135 CH I	F/L2702	WES W/L23753	CNT	026	WX	0399	C 1	6/20E-2-3574 6/20E- 6/20E-2-4056F	C 2NR026	A	C1AE05
2NR10E	NR	JB-POWER RANGE NEUTRON DETECTR AT 315 CH II	F/L2702	WES W/L23753	CNT	028	WX	0399	C 1	6/20E-2-3572 6/20E- 6/20E-2-4056H	C 2NR058	A	C1AE05
2NR12E	NR	JB-POWER RANGE NEUTRON DETECTR	F/L2702	WES W/L23753	CNT	028	WX	0399	C 1	6/20E-2-3571 6/20E- 6/20E-2-4056K	C 2NR086	A	C1AE05
2NR14E	NR	JB-POWER RANGE NEUTRON DETECTR AT 45 CH IV	F/L2702	WES W/L23753	CNT	026	WX	0399	C 1	6/20E-2-3573 6/20E- 6/20E-2-4056M	C 2NR118	A	C1AE05

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C1AE05

SPEC. NUM.: F/L2702

SYSTEM : NR

SAFETY CAT: A

FUNCTION : POWER RANGE NEUTRON DETECTOR

ENVR ZONE : C 1

COMP/EQUIP: NEUTRON DETECTOR

MANUF. : WESTINGHOUSE

MODEL SUPP: W/L 23753

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES:QUALIFICATION:	METHOD	DOCUMENT REFERENCE		NUMBER:
TEMP DEG F	: 320 MAX: 420 MAX	: TYPE TEST	: WESTINGHOUSE EQUIPMENT QUAL. TEST REPORT E08A.	: REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQDP-ESE-8 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	: C1AE05
PRESS PSIG	: 50 : 57	: TYPE TEST			
REL HUMID %	: 100 : 100	: TYPE TEST			
RADIATION	: SEE : 4.48E06G	: TYPE TEST			
CHEM SPRAY	: SEE : 2500 PPM	: TYPE TEST		: CHEM SPRAY (PLT DES)	: RADIATION (PLT DES)
	: REMARKS: H3B03 PH 10.7:				
OPE TME MN	: SHORT : SHORT	: TEST/ANALYSIS:		: 3000 PPM H3B03	: 4.48E06 GAMMA
QUAL. LIFE	: 40 YRS. : 10 YRS.	: TEST/ANALYSIS:		: 30 % NADH	: 10 YRS. PLUS ACCIDENT
				: PH 8.5-10.5	: TID
SUBMERGENCE	: N/A : N/A	: N/A		: .15 GPM/SQ.FT.	

SARGENT & LUNDY ENGINEERS
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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						
1RH8701B		RH MOTOR OPERATOR	F/L2702	LTQ SB-2-60 RLNCE CLSS F	CNT	011	RI	0390	C 2	6/20E-1-3521 6/20E- 6/20E-1-4325	1RH033	A	C2AA06
1RH8702B		RH MOTOR OPERATOR	F/L2702	LTQ SB-2-60 RLNCE CLSS F	CNT	003	RI	0390	C 2	6/20E-1-3523 6/20E- 6/20E-1-4325	1RH057	A	C2AA06
2RH8701B		RH MOTOR OPERATOR	F/L2702	LTQ SB-2-60 RLNCE CLSS H	CNT	026	VX	0377	C 2	6/20E-2-3521 6/20E- 6/20E-2-4325	2RH033	A	C2AA06
2RH8702B		RH MOTOR OPERATOR	F/L2702	LTQ SB-2-60 RLNCE CLSS RH	CNT	026	WX	0390	C 2	6/20E-2-3523 6/20E- 6/20E-2-4325	2RH057	A	C2AA06

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C2AA06

SPEC. NUM.: F/L2702

SYSTEM : RH

SAFETY CAT: A

FUNCTION : CONTAINMENT ISOLATION

ENVR ZONE : C 2

COMP/EQUIP: MOTOR OPERATED VALVE ACTUATOR

MANUF. : LIMITORQUE/RELIANCE

MODEL SUPP: SB-2-60

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP	
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER	
TEMP DEG F	: 320 MAX	: 420 MAX	: TYPE TEST	: WESTINGHOUSE EQUIP. QUAL. TEST REPORT HO1A.	: REFER TO ENVIRONMENTAL QUALIFICATION BINDER : EDP HE-1 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	: C2AA06
PRESS PSIG	: 50	: 57	: TYPE TEST			
REL HUMID %	: 100	: 100	: TYPE TEST			
RADIATION	: 1.3E06G	: 1.85E08 G	: TYPE TEST			
CHEM SPRAY	: SEE	: SEE	: TYPE TEST		: CHEM SPRAY (PLT DES)	: (QUALIFICATION)
QPE TME MN	: INTER.	: INTER.	: TYPE TEST		: .15 GPM/SQ.FT. H3BO4	: .15 GPM/SQ.FT. H3BO4
QUAL. LIFE	: 40 YRS.	: 5 YRS.	: TEST/ANALYSIS		: 8.5-10.5 PH	: 10.5 PH
SUBMERGENCE	: N/A	: N/A	: N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION --- BDG COL ROW ELEV ZONE	ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
1RH8701B		RH LIMIT SWITCH	F/L2702	NAM EA18012303	CNT 011 RI 0390	C 2	6/20E-1-3521 6/20E- 6/20E-1-4325	1SI151	A	C2AD10
2RH8701B		RH LIMIT SWITCH	F/L2702	NAM EA18012303	CNT 026 VX 0377	C 2	6/20E-2-3521 6/20E- 6/20E-2-4325	2RH033	A	C2AD10

SARGENT & LUNDY ENGINEERS
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C2AD10

SPEC. NUM.: F/L2702

SYSTEM : RH

SAFETY CAT: A

FUNCTION : VALVE POSITION INDICATION

ENVR ZONE : C 2

COMP/EQUIP: LIMIT SWITCH

MANUF. : NAMCO

MODEL SUPP: EA18012303,EA18011303

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION QUALIFICATION	METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	: 320 MAX :	355 MAX	: TYPE TEST :	WESTINGHOUSE EQUIPMENT QUAL. : TEST REPORT H03A/H06A.	: REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQDP-HE-3/6 FOR COMPLETE DOCUMENTATION	: C2AD10 :
PRESS PSIG	: 50 :	57	: TYPE TEST :		: PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	:
REL HUMID %	: 100 :	100	: TYPE TEST :			:
RADIATION	: 2E08 :	2.04E08	: TYPE TEST :			:
CHEM SPRAY	: SEE :	1.33GPM	: TYPE TEST :		: CHEM SPRAY (PLT DES)	:
	: REMARKS :	10.5 PH				
OPE TME MN	: CONT. :	CONT.	: TEST/ANALYSIS :		: 3000 PPM H3B04	:
QUAL. LIFE	: 40 YRS. :	23.4 YRS.	: TEST/ANALYSIS :		: 30 % NAOH	:
					: PH 8.5-10.5	:
SUBMERGENCE	: N/A :	N/A	: N/A :		: 15 GPM/SQ.FT.	:

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1TE -410A	RC RESISTANCE DETECTOR	F/L2702	RDF	DWG NO 21204 CNT 012 R REV 10	0390 C 2	6/20E-1-3521 6/20E-1-4030 RCO1	A	C2AE34
1TE -410B	RC RESISTANCE DETECTOR	F/L2702	RDF	DWG NO 21204 CNT 014 R REV 10	0390 C 2	6/20E-1-3521 6/20E-1-4030 RCO1	A	C2AE34
1TE -411A	RC RESISTANCE DETECTOR	F/L2702	RDF	DWG NO 21204 CNT 012 R REV 10	0390 C 2	6/20E-1-3521 6/20E-1-4030 RCO1	A	C2AE34
1TE -411B	RC RESISTANCE DETECTOR	F/L2702	RDF	DWG NO 21204 CNT 014 R REV 10	0390 C 2	6/20E-1-3521 6/20E-1-4030 RCO1	A	C2AE34
1TE -420A	RC RESISTANCE DETECTOR	F/L2702	RDF	DWG NO 21204 CNT 020 R REV 10	0390 C 2	6/20E-1-3522 6/20E-1-4030 RCO3	A	C2AE34
1TE -420B	RC RESISTANCE DETECTOR	F/L2702	RDF	DWG NO 21204 CNT 018 R REV 10	0390 C 2	6/20E-1-3522 6/20E-1-4030 RCO3	A	C2AE34
1TE -421A	RC RESISTANCE DETECTOR	F/L2702	RDF	DWG NO 21204 CNT 020 R REV 10	0390 C 2	6/20E-1-3522 6/20E-1-4030 RCO3	A	C2AE34
1TE -421B	RC RESISTANCE DETECTOR	F/L2702	RDF	DWG NO 21204 CNT 019 R REV 10	0390 C 2	6/20E-1-3523 6/20E-1-4030 RCO5	A	C2AE34
1TE -430A	RC RESISTANCE DETECTOR	F/L2702	RDF	DWG NO 21204 CNT 002 R REV 10	0390 C 2	6/20E-1-3523 6/20E-1-4030 RCO5	A	C2AE34
1TE -430B	RC RESISTANCE DETECTOR	F/L2702	RDF	DWG NO 21204 CNT 003 R REV 10	0390 C 2	6/20E-1-3523 6/20E-1-4030 RCO5	A	C2AE34
1TE -431A	RC RESISTANCE DETECTOR	F/L2702	RDF	DWG NO 21204 CNT 002 R REV 10	0390 C 2	6/20E-1-3523 6/20E-1-4030 RCO5	A	C2AE34



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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---				ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW	ELEV					
1TE -431B	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21204 REV 10	CNT	003	R	0390	C 2	6/20E-1-3523 6/20E-1-4031 RC05 6/20E-1-4109A		A	C2AE34
1TE -440A	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21204 REV 10	CNT	008	R	0390	C 2	6/20E-1-3524 6/20E-1-4030 RC07 6/20E-		A	C2AE34
1TE -440B	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21204 REV 10	CNT	008	R	0390	C 2	6/20E-1-3524 6/20E-1-4030 RC07 6/20E-		A	C2AE34
1TE -441A	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21204 REV 10	CNT	009	R	0390	C 2	6/20E-1-3524 6/20E-1-4030 RC07 6/20E-		A	C2AE34
1TE -441B	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21204 REV 10	CNT	008	R	0390	C 2	6/20E-1-3524 6/20E-1-4030 RC07 6/20E-		A	C2AE34
2TE -410A	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21204	CNT	028	VX	0396	C 2	6/20E-2-3521 6/20E-2-4030 RC01 6/20E-	C 2RC338	A	C2AE34
2TE -410B	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21204	CNT	028	VX	0399	C 2	6/20E-2-3521 6/20E-2-4030 RC01 6/20E-	C 2RC344	A	C2AE34
2TE -411A	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21204	CNT	028	VX	0396	C 2	6/20E-2-3521 6/20E-2-4030 RC01 6/20E-	C 2RC341	A	C2AE34
2TE -411B	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21204	CNT	028	VX	0397	C 2	6/20E-2-3521 6/20E-2-4030 RC01 6/20E-	C 2RC347	A	C2AE34
2TE -420A	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21204	CNT	028	XX	0390	C 2	6/20E-2-3522 6/20E-2-4030 RC03 6/20E-	C 2RC379	A	C2AE34
2TE -420B	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21204	CNT	029	XX	0397	C 2	6/20E-2-3522 6/20E-2-4030 RC03 6/20E-	C 2RC385	A	C2AE34

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---				ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW	ELEV					
2TE -421A	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21204	CNT	028	XX	0390	C 2	6/20E-2-3522 6/20E-2-4030 6/20E-	C 2RC382	A	C2AE34
2TE -421B	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21204	CNT	029	XX	0397	C 2	6/20E-2-3522 6/20E-2-4030 6/20E-	C 2RC388	A	C2AE34
2TE -430A	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21204	CNT	026	XX	0396	C 2	6/20E-2-3523 6/20E-2-4030 6/20E-	2RC413	A	C2AE34
2TE -430B	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21204	CNT	026	XX	0397	C 2	6/20E-2-3523 6/20E-2-4030 6/20E-	2RC419	A	C2AE34
2TE -431A	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21204	CNT	026	XX	0396	C 2	6/20E-2-3523 6/20E-2-4030 6/20E-	2RC416	A	C2AE34
2TE -431B	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21205	CNT	026	XX	0401	C 2	6/20E-2-3523 6/20E-2-4031 6/20E-2-4103A	2RC422	A	C2AE34
2TE -440A	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21204	CNT	026	VX	0396	C 2	6/20E-2-3524 6/20E-2-4030 6/20E-	2RC431	A	C2AE34
2TE -440B	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21204	CNT	026	VX	0397	C 2	6/20E-2-3524 6/20E-2-4030 6/20E-	2RC437	A	C2AE34
2TE -441A	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21204	CNT	026	VX	0396	C 2	6/20E-2-3524 6/20E-2-4030 6/20E-	2RC434	A	C2AE34
2TE -441B	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21204	CNT	026	VX	0397	C 2	6/20E-2-3524 6/20E-2-4030 6/20E-	2RC440	A	C2AE34

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C2AE34

SPEC. NUM.: F/L2702

SYSTEM : RC

SAFETY CAT: A

FUNCTION : COOLANT TEMPERATURE NARROW RANGE RTD'S

ENVR ZONE : C 2

COMP/EQUIP: RESISTANCE TEMPERATURE DETECTOR

MANUF. : RDF

MODEL SUPP: DRWG. NO. 21204

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER
TEMP DEG F	: 320 MAX	: 420 MAX	: TYPE TEST	: WESTINGHOUSE EQUIPMENT QUAL. : REFER TO ENVIRONMENTAL QUALIFICATION BINDER	: C2AE34
				: TEST REPORT E05A	
PRESS PSIG	: 50	: 75	: TYPE TEST	: NO. EQDP-ESE-5 FOR COMPLETE DOCUMENTATION	
				: PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	: 100	: 100	: TYPE TEST		
RADIATION	: 1.3E07G	: 4.16E07G	: TYPE TEST		
	: 1.6E08B	: 8.64E06B			
CHEM SPRAY	: SEE	: 0.19GPM/SFT	: TYPE TEST	: CHEM SPRAY (PLT DES)	
	: REMARKS	: PH 10.7			
OPE TME MN	: SHORT	: SHORT	: TEST/ANALYSIS	: 3000 PPM H3B03	
				: 30 % NAOH	
QUAL. LIFE	: 40 YRS.	: 20 YRS.	: TEST/ANALYSIS	: PH 8.5-10.5	
				: 15 GPM/SQ.FT.	
SUBMERGENCE	: N/A	: N/A	: N/A		

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW					
1TE-RC0022A	RC	COOLANT BY PASS RTD'S	F/L2906	CON PN7D78 -10000-01	CNT		0390	C 2			A	C2AE7B
1TE-RC0022B	RC	COOLANT BY PASS RTD'S	F/L2906	CON PN7D78 -10000-01	CNT		0390	C 2			A	C2AE7B
1TE-RC0023A	RC	COOLANT BY PASS RTD'S	F/L2906	CON PN7D78 -10000-01	CNT		0390	C 2			A	C2AE7B
1TE-RC0023B	RC	COOLANT BY PASS RTD'S	F/L2906	CON PN7D78 -10000-01	CNT		0390	C 2			A	C2AE7B
1TE-RC0024A	RC	COOLANT BY PASS RTD'S	F/L2906	CON PN7D78 -10000-01	CNT		0390	C 2			A	C2AE7B
1TE-RC0024B	RC	COOLANT BY PASS RTD'S	F/L2906	CON PN7D78 -10000-01	CNT		0390	C 2			A	C2AE7B
1TE-RC0025A	RC	COOLANT BY PASS RTD'S	F/L2906	CON PN7D78 -10000-01	CNT		0390	C 2			A	C2AE7B
1TE-RC0025B	RC	COOLANT BY PASS RTD'S	F/L2906	CON PN7D78 -10000-01	CNT		0390	C 2			A	C2AE7B
2TE-RC0022A	RC	COOLANT BY PASS RTD'S	F/L2906	CON PN7D78 -10000-01	CNT		0390	C 2			A	C2AE7B
2TE-RC0022B	RC	COOLANT BY PASS RTD'S	F/L2906	CON PN7D78 -10000-01	CNT		0390	C 2			A	C2AE7B
2TE-RC0023A	RC	COOLANT BY PASS RTD'S	F/L2906	CON PN7D78 -10000-01	CNT		0390	C 2			A	C2AE7B

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW					
2TE-RC0023B	RC	COOLANT BY PASS RTD'S	F/L2906	CON PN7D78 -10000-01	CNT			0390	C	2	A	C2AE7B
2TE-RC0024A	RC	COOLANT BY PASS RTD'S	F/L2906	CON PN7D78 -10000-01	CNT			0390	C	2	A	C2AE7B
2TE-RC0024B	RC	COOLANT BY PASS RTD'S	F/L2906	CON PN7D78 -10000-01	CNT			0390	C	2	A	C2AE7B
2TE-RC0025A	RC	COOLANT BY PASS RTD'S	F/L2906	CON PN7D78 -10000-01	CNT			0390	C	2	A	C2AE7B
2TE-RC0025B	RC	COOLANT BY PASS RTD'S	F/L2906	CON PN7D78 -10000-01	CNT			0390	C	2	A	C2AE7B

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C2AE7B

SPEC. NUM.: F/L2906

SYSTEM : RC

SAFETY CAT: A

FUNCTION : TEMPERATURE DETECTOR

ENVR ZONE : C 2

COMP/EQUIP: COOLANT BY PASS RTD'S

MANUF. : CONAX

MODEL SUPP: PN7D78-10000-01

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	COMP		
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	REMARKS	NUMBER
TEMP DEG F	320	360	TYPE TEST	CONAX DESIGN QUALIFICATION		C2AE7B
				TEST REPORT IPS-875.		
PRESS PSIG	50 PSIG	70 PSIG		CONAX DESIGN QUALIFICATION		
				MATERIAL TEST REPORT IPS-325		
REL HUMID %	100	100				
RADIATION	2E08	2.2E08				
CHEM SPRAY	15 GPM	15 GPM/				
	/SQ.FT.	SQ.FT.				
OPE TME MN	CONT.	CONT.				
QUAL. LIFE	40 YRS.	40 YRS.				
SUBMERGENCE	N/A	N/A				

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW					
1TE -413A	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21205 REV 9	CNT 012	R	0390	C 2	6/20E-1-3521 6/20E-1-4031 RC13 6/20E-1-4109B	1RC352	A	C2AE5W
1TE -413B	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21205 REV 9	CNT 013	R	0390	C 2	6/20E-1-3521 6/20E-1-4031 RC14 6/20E-1-4109B	1RC374	A	C2AE5W
1TE -423A	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21205 REV 9	CNT 020	R	0390	C 2	6/20E-1-3522 6/20E-1-4031 RC13 6/20E-1-4109H	1RC357	A	C2AE5W
1TE -423B	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21205 REV 9	CNT 018	R	0390	C 2	6/20E-1-3522 6/20E-1-4031 RC14 6/20E-1-4109A	1RC393	A	C2AE5W
1TE -433A	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21205 REV 9	CNT 002	R	0390	C 2	6/20E-1-3523 6/20E-1-4031 RC25 6/20E-1-4109B	1RC362	A	C2AE5W
1TE -433B	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21205 REV 9	CNT 003	R	0390	C 2	6/20E-1-3523 6/20E-1-4031 RC28 6/20E-1-4109A	1RC398	A	C2AE5W
1TE -443A	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21205 REV 9	CNT 009	R	0390	C 2	6/20E-1-3524 6/20E-1-4031 RC25 6/20E-1-4109H	1RC367	A	C2AE5W
1TE -443B	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21205 REV 9	CNT 008	R	0390	C 2	6/20E-1-3524 6/20E-1-4031 RC28 6/20E-1-4109H	1RC403	A	C2AE5W
2TE -413A	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21205	CNT 028	VX	0390	C 2	6/20E-2-3521 6/20E-2-4031 RC13 6/20E-2-4109B	2RC352	A	C2AE5W
2TE -413B	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21205	CNT 029	VX	0390	C 2	6/20E-2-3521 6/20E-2-4031 RC14 6/20E-2-4109B	2RC374	A	C2AE5W
2TE -423A	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21205	CNT 028	XX	0390	C 2	6/20E-2-3522 6/20E-2-4031 RC13 6/20E-2-4109H	2RC357	A	C2AE5W

SARGENT & LUNDY ENGINEERS
 COMPONENT QUALIFICATION DIVISION

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2TE -423B	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21205	CNT	029	XX	0390	C 2		6/20E-2-3522 6/20E-2-4031 RC14 6/20E-2-4109A	2RC393	A	C2AE5W
2TE -433A	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21205	CNT	026	XX	0390	C 2		6/20E-2-3523 6/20E-2-4031 RC25 6/20E-2-4109B	2RC362	A	C2AE5W
2TF -433B	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21205	CNT	025	XX	0393	C 2		6/20E-2-3523 6/20E-2-4031 RC28 6/20E-2-4109A	2RC398	A	C2AE5W
2TE -443A	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21205	CNT	026	VX	0393	C 2		6/20E-2-3524 6/20E-2-4031 RC25 6/20E-2-4109H	2RC367	A	C2AE5W
2TE -443B	RC	RESISTANCE TEMP DETECTOR	F/L2702	RDF DWG NO 21205	CNT	025	VX	0401	C 2		6/20E-2-3524 6/20E-2-4031 RC28 6/20E-2-4109H	2RC403	A	C2AE5W

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C2AE5W

SPEC. NUM. : F/L2702

SYSTEM : RC

SAFETY CAT: A

FUNCTION : COOLANT TEMPERATURE

ENVR ZONE : C 2

COMP/EQUIP: RESISTANCE TEMPERATURE DETECTOR

MANUF. : RDF

MODEL SUPP: DRWG. NO. 21205

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT	PLT DES:QUALIFICATION	METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	: 320 MAX	: 420 MAX	: TYPE TEST	: WESTINGHOUSE EQUIPMENT QUAL. TEST REPORT EOSA	: REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQDP-ESE-5 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	: C2AE5W
PRESS PSIG	: 50	: 75	: TYPE TEST			
REL HUMID %	: 100	: 100	: TYPE TEST		: T.P QUALIFIED FOR 2-4E08G : CABLE QUALIFIED FOR 1.15E08G/9.23E08B	
RADIATION	: 1.3E07G	: SEE REMARKS	: TYPE TEST			
CHEM SPRAY	: SEE : 0.19GPM/SQ.FT	: PH 10.7	: TYPE TEST		: CHEM SPRAY (PLT DES)	
OPE TWE MN	: 4 MONTHS	: 4 MONTHS	: TEST/ANALYSIS		: 3000 PPM H3B03 : 30 % NAOH : PH 8.5-10.5 : 15 GPM/SQ.FT.	
QUAL. LIFE	: 40 YRS.	: 10 YRS.	: TEST/ANALYSIS			
SUBMERGENCE	: N/A	: N/A				



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N/A	NA	ELECT. SEAL ASSEMBLIES	/L2702	L/C CIR/N11007	CNT 000	0426 C 3		A	C3AF36

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C3AF36

SPEC. NO.: F/L2702

SYSTEM : N/A

SAFETY CAT: A

FUNCTION: CONNECTOR PLATE/REACTOR HEAD VENT VALVES

ENVR ZONE : C 3

COMP/EQUIP: ELECTRICAL SEAL ASSEMBLIES

MANUF. : LITTON/COMAX

MODEL SUPP: CIR/N11007

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES:QUALIFICATION:	METHOD	DOCUMENT REFERENCE		NUMBER:
TEMP DEG F	:320 MAX: 420 MAX	: TYPE TEST	:WESTINGHOUSE EQUIPMENT QUAL. TEST REPORT HO8A.	:REFER TO ENVIRONMENTAL QUAL. PACKAGE NO. EQDP HE-8 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	:C3AF36:
PRESS PSIG	: 44 : 70	: TYPE TEST	:	:	:
REL HUMID %	: 20-70 : 100	: TYPE TEST	:	:	:
RADIATION	: 1.3E07G: 2.04E08G : 1.6E08B:	: TYPE TEST	:	:	:
CHEM SPRAY	: SEE : SEE	: N/A	:	:CHEM SPRAY (PLT DES) QUALIFICATION	:
OPE TME MN	: REMARKS: REMARKS : CONT. : CONT.	: TYPE TEST	:	:3000 PPM H3BO3 2500 PPM H3BO3 :30% NAOH .88% NAOH	:
QUAL. LIFE	:40 YRS.: 5.14 YRS.	: TYPE TEST	:	:8.5-10.5 PH 10.5 PH : .15 GPM/SQ.FT. 1.33 GPM/SQ.FT.	:
SUBMERGENCE	: N/A : N/A	: N/A	:	:	:

SARGENT & LUNDY ENGINEERS
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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION --- BDG COL ROW ELEV ZONE	ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
1RY8000A	RY	MOTOR OPERATOR	F/L2702	LTQ SB-00-15 RLNCE CLSS F	CNT 007 RO 0409 C 5	6/20E-1-3554 6/20E- 6/20E-1-4738A	1RY002	A	C5AA07	
1RY8000B	RY	MOTOR OPERATOR	F/L2702	LTQ SB-00-15 RLNCE CLSS F	CNT 015 RI 0407 C 5	6/20E-1-3554 6/20E- 6/20E-1-4738A	1RY007	A	C5AA07	
2RY8000A	RY	MOTOR OPERATOR	F/L2702	LTQ SB-00-15 RLNCE CLSS RH	CNT 025 VX 0465 C 5	6/20E-2-3554 6/20E- 6/20E-2-4738A	2RY002	A	C5AA07	
2RY8000B	RY	MOTOR OPERATOR	F/L2702	LTQ SB-00-15 RLNCE CLSS RH	CNT 025 VX 0465 C 5	6/20E-2-3554 6/20E- 6/20E-2-4738A	2RY007	A	C5AA07	

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C5AA07

SPEC. NUM.: F/L2702

SYSTEM : RY

SAFETY CAT: A

FUNCTION : CONTAINMENT ISOLATION

ENVR ZONE : C 5

COMP/EQUIP: MOTOR OPERATED VALVE ACTUATOR

MANUF. : LIMITORQUE/RELIANCE

MODEL SUPP: SB-00-15

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE		NUMBER
TEMP DEG F	: 320 MAX	: 420 MAX	: TYPE TEST	: WESTINGHOUS EQUIPMENT QUAL.	: REFER TO ENVIRONMENTAL QUALIFICATION BINDER	: C5AA07
				: TEST REPORT HO1A.	: EQDP HE-1 FOR COMPLETE DOCUMENTATION PACKAGE	
PRESS PSIG	: 50	: 57	: TYPE TEST		: ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	: 100	: 100	: TYPE TEST			
RADIATION	: 1.3E07G	: 1.85E08G	: TYPE TEST			
	: 1.6E08B					
CHEM SPRAY	: SEE	: SEE	: TYPE TEST		: CHEM SPRAY (PLT DES)	: (QUALIFICATION)
	: REMARKS	: REMARKS				
OPE TME MN	: INTER.	: INTER.	: TEST/ANALYSIS		: .15 GPM/SQ.FT. H3B04	: .15 GPM/SQ.FT. H3B04
					: 8.5-10.5 PH	: 10.5 PH
QUAL. LIFE	: 40 YRS.	: 5 YRS.	: TEST/ANALYSIS			
SUBMERGENCE	: N/A	: N/A	: N/A			

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SARGENT & LUNDY ENGINEERS
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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.	MFG TYPE/MODEL	--- LOCATION ---				ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW	ELEV					
1RY455A		RY LIMIT SWITCH	F/L2702	NAM EA180XX302	CNT	007	RI	0462	C 5	6/20E-		A	C5AD16
1RY455A		RY LIMIT SWITCH	F/L2702	NAM EA180XX302	CNT	007	RI	0462	C 5	6/20E-		A	C5AD16
1RY456		RY LIMIT SWITCH	F/L2702	NAM EA180XX302	CNT	007	RI	0458	C 5	6/20E-		A	C5AD16
1RY456		RY LIMIT SWITCH	F/L2702	NAM EA180XX302	CNT	007	RI	0458	C 5	6/20E-		A	C5AD16
2RY455A		RY LIMIT SWITCH	F/L2702	NAM EA180XX302	CNT	025	VX	0463	C 5	6/20E-		A	C5AD16
2RY455A		RY LIMIT SWITCH	F/L2702	NAM EA180XX302	CNT	025	VX	0463	C 5	6/20E-		A	C5AD16
2RY456		RY LIMIT SWITCH	F/L2702	NAM EA180XX302	CNT	029	VX	0463	C 5	6/20E-		A	C5AD16
2RY456		RY LIMIT SWITCH	F/L2702	NAM EA180XX302	CNT	029	VX	0463	C 5	6/20E-		A	C5AD16

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C5AD16

SPEC. NUM.: F/L2702

SYSTEM : RY

SAFETY CAT: A

FUNCTION : VALVE POSITION INDICATION

ENVR ZONE : C 5

COMP/EQUIP: LIMIT SWITCH

MANUF. : NAMCO

MODEL SUPP: EA180XX302

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER
TEMP DEG F	:320 MAX:	420 MAX	: TYPE TEST	:WESTINGHOUSE EQUIPMENT QUAL. : REFER TO ENVIRONMENTAL QUALIFICATION BINDER	:C5AD16:
PRESS PSIG	: 50 :	57	: TYPE TEST	:TEST REPORT H03A/H06A. :EQDP-HE-3/6 FOR COMPLETE DOCUMENTATION PACKAGE	:
REL HUMID %	: 100 :	100	: TYPE TEST	: : ASSOCIATED WITH THIS EQUIPMENT.	:
RADIATION	: 2E08 :	2.04E08	: TYPE TEST	:	:
CHEM SPRAY	: SEE :	1.33 GPM	: TYPE TEST	: : CHEM SPRAY (PLT DES)	:
	:REMARKS:	10.5 PH	:	:	:
OPE TME MN	: CONT. :	CONT.	:TEST/ANALYSIS:	:3000 PPM H3BO4	:
QUAL. LIFE	:40 YRS.:	4.95 YRS.	:TEST/ANALYSIS:	:30% NAOH	:
	:		:	:PH 8.5-10.5	:
SUBMERGENCE	: N/A :	N/A	: N/A	:.15 GPM/SQ.FT.	:

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW					
1RY455A	RY	SOLENOID	F/L2702	ASC NP831654E	CNT	007	RI	0462	C 5	6/20E-	A	C5AD17
1RY455A	RY	SOLENOID	F/L2702	ASC NP831654E	CNT	007	RI	0462	C 5	6/20E-	A	C5AD17
1RY456	RY	SOLENOID	F/L2702	ASC NP831654E	CNT	007	RI	0458	C 5	6/20E-	A	C5AD17
1RY456	RY	SOLENOID	F/L2702	ASC NP831654E	CNT	007	RI	0458	C 5	6/20E-	A	C5AD17
2RY455A	RY	SOLENOID	F/L2702	ASC NP831654E	CNT	025	VX	0463	C 5	6/20E-	A	C5AD17
2RY455A	RY	SOLENOID	F/L2702	ASC NP831654E	CNT	025	VX	0463	C 5	6/20E-	A	C5AD17
2RY456	RY	SOLENOID	F/L2702	ASC NP831654E	CNT	029	VX	0463	C 5	6/20E-	A	C5AD17
2RY456	RY	SOLENOID	F/L2702	ASC NP831654E	CNT	029	VX	0463	C 5	6/20E-	A	C5AD17

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C5AD17

SPEC. NUM.: F/L2702

SYSTEM : RY

SAFETY CAT: A

FUNCTION : PRESSURIZER RELIEF VALVE

ENVR ZONE : C 5

COMP/EQUIP: SOLENOID OPERATED VALVE

MANUF. : ASCO

MODEL SUPP: NP831654E

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT		QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER
TEMPERATURE	420 MAX	420 MAX	TYPE TEST	WESTINGHOUSE QUAL. TEST REP. : H02A/H05A.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER : C5AD17
PRESS PSIG	50	57	TYPE TEST		NO. EQDP HE-2/5 FOR COMPLETE DOCUMENTATION : PACKAGE ASSOCIATED WITH THIS EQUIPMENT.
REL HUMID %	100	100	TYPE TEST		
RADIATION	2E08	2.05E08	TYPE TEST		
CHEM SPRAY	SEE	1.33GPM	TYPE TEST		CHEM SPRAY (PLT. DES.)
OPE TME MN	SHORT	CONT.	TYPR TEST		3000 PPM H3BO4 30 % NAOH PH 8.5-10.5 .15 GPM/SQ.FT.
QUAL. LIFE	40 YRS.	24.9 YRS.	TEST/ANALYSIS		
SUBMERGENCE	N/A	N/A	N/A		

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					BDG	COL	ROW	ELEV	ZONE				
1CC9416	CC	MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS RH	CNT	007	RD	0401	C 6	6/20E-1-3524 6/20E- 6/20E-1-4324	1CC124	A	C6AA10
1CC9438	CC	MOTOR OPERATOR	F/L2702	LTQ SMB-00-15 RLNCE CLSS F TYPE LR	CNT	007	RD	0394	C 6	6/20E-1-3524 6/20E- 6/20E-1-4324	1CC035	A	C6AA10
1CV8112	CV	MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS F TYPE LR	CNT	005	RD	0395	C 6	6/20E-1-3523 6/20E- 6/20E-1-4325	1CV040	A	C6AA10
1RH8701A	RH	MOTOR OPERATOR	F/L2702	LTQ SB-2-60 RLNCE CLSS F TYPE LR	CNT	007	RD	0380	C 6	6/20E-1-3514 6/20E- 6/20E-1-4324	1RH024	A	C6AA10
1RH8702A	RH	MOTOR OPERATOR	F/L2702	LTQ SB-2-60 RLNCE CLSS F TYPE LR	CNT	004	RD	0380	C 6	6/20E-1-3513 6/20E- 6/20E-1-4324	1RH045	A	C6AA10
1SI8808A	SI	MOTOR OPERATOR	F/L2702	LTQ SBD-3-150 RLNCE CLSS F TYPE LR	CNT	014	RD	0414	C 6	6/20E-1-3541 6/20E- 6/20E-1-4324	1SI087	A	C6AA10
1SI8808B	SI	MOTOR OPERATOR	F/L2702	LTQ SBD-3-150 RLNCE CLSS F TYPE LR	CNT	018	RD	0414	C 6	6/20E-1-3542 6/20E- 6/20E-1-4325	1SI098	A	C6AA10
1SI8808C	SI	MOTOR OPERATOR	F/L2702	LTQ SBD-3-150 RLNCE CLSS F TYPE LR	CNT	004	RD	0414	C 6	6/20E-1-3543 6/20E- 6/20E-1-4325	1SI109	A	C6AA10
1SI8808D	SI	MOTOR OPERATOR	F/L2702	LTQ SBD-3-150 RLNCE CLSS F TYPE LR	CNT	009	RD	0414	C 6	6/20E-1-3544 6/20E- 6/20E-1-4324	1SI121	A	C6AA10
2CC9416	CC	MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS RH	CNT	026	SX	0390	C 6	6/20E-2-3524 6/20E- 6/20E-2-4324	2CC124	A	C6AA10
2CC9438	CC	MOTOR OPERATOR	F/L2702	LTQ SMB-00-15 RLNCE CLSS RH	CNT	024	VX	0390	C 6	6/20E-2-3524 6/20E- 6/20E-2-4324	2CC035	A	C6AA10

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2CV8112		CV MOTOR OPERATOR	F/L2702	LTQ SMB-00-10 RLNCE CLSS RH	CNT 024 XX 0390 C 6		6/20E-2-3523 6/20E- 6/20E-2-4325	2CV040	A	C6AA10
2RH8701A		RH MOTOR OPERATOR	F/L2702	LTQ SB-2-60 RLNCE CLSS RH	CNT 026 VX 0377 C 6		6/20E-2-3514 6/20E- 6/20E-2-4663B	2RH024	A	C6AA10
2RH8702A		RH MOTOR OPERATOR	F/L2702	LTQ SB-2-60 RLNCE CLSS RH	CNT 024 XX 0377 C 6		6/20E-2-3513 6/20E- 6/20E-2-4324	2RH045	A	C6AA10
2SI8808A		SI MOTOR OPERATOR	F/L2702	LTQ SBD-3-150 RLNCE CLSS H	CNT 029 VX 0412 C 6		6/20E-2-3541 6/20E- 6/20E-2-4324	2SI087	A	C6AA10
2SI8808B		SI MOTOR OPERATOR	F/L2702	LTQ SBD-3-150 RLNCE CLSS H	CNT 029 XX 0412 C 6		6/20E-2-3542 6/20E- 6/20E-2-4325	2SI098	A	C6AA10
2SI8808C		SI MOTOR OPERATOR	F/L2702	LTQ SBD-3-150 RLNCE CLSS H	CNT 025 XX 0412 C 6		6/20E-2-3543 6/20E- 6/20E-2-4325	2SI109	A	C6AA10
2SI8808D		SI MOTOR OPERATOR	F/L2702	LTQ SBD-3-150 RLNCE CLSS H	CNT 025 UX 0412 C 6		6/20E-2-3544 6/20E- 6/20E-2-4324	2SI121	A	C6AA10

SARGENT & LUNDY ENGINEERS
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C6AA10

SPEC. NUM.: F/L2702

SYSTEM : SI,RH,CC,CV

SAFETY CAT: A

FUNCTION : CONTAINMENT ISOLATION

ENVR ZONE : C 6

COMP/EQUIP: MOTOR OPERATED VALVE ACTUATOR

MANUF. : LIMITORQUE/RELIANCE
TYPE LR CLASS F

MODEL SUPP: SB-2-60,SBD-3-150,SMB-00

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES:QUALIFICATION	METHOD	DOCUMENT REFERENCE		NUMBER
TEMP DEG F	:320 MAX: 420 MAX	: TYPE TEST	: WESTINGHOUSE EQUIPMENT QUAL	: REFER TO ENVIRONMENTAL QUALIFICATION BINDER	: C6AA10
	:	:	: TEST REPORT H01A.	: EQDP HE-1 FOR COMPLETE DOCUMENTATION PACKAGE	:
PRESS PSIG	: 50 : 57	: TYPE TEST	:	: ASSOCIATED WITH THIS EQUIPMENT.	:
	:	:	: 1CC9416 SEE J10 ATTACHMENT C	:	:
REL HUMID %	: 100 : 100	: TYPE TEST	: CECO LETTER 05/02/84 TO NRC.	:	:
	:	:	:	:	:
RADIATION	: 1.3E06G: 1.85E08 G	: TYPE TEST	:	:	:
	: 1.6E08B:	:	:	:	:
CHEM SPRAY	: SEE : SEE	: TYPE TEST	:	: CHEM SPRAY (PLT DES) (QUALIFICATION)	:
	: REMARKS: REMARKS	:	:	:	:
OPE TME MN	: INTER. : INTER.	: TEST/ANALYSIS:	:	: .15 GPM/SQ.FT. H3B04 .15 GPM/SQ.FT. H3B04	:
	:	:	:	: 8.5-10.5 PH 10.5 PH	:
QUAL. LIFE	: 40 YRS.: 5 YRS.	: TEST/ANALYSIS:	:	:	:
	:	:	:	:	:
SUBMERGENCE	: N/A : N/A	: N/A	:	:	:
	:	:	:	:	:

SARGENT & LUNDY ENGINEERS
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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						ELEV
10G057A	UG	MOTOR OPERATOR	F/L2884	LTQ SMB-000-5 RLNCE CLSS H	CNT	012	XX	0384	C 6	6/20E-1-3514 6/20E- 6/20E-1-4324	10G093	A	C6AA12
10G079	OG	MOTOR OPERATOR	F/L2884	LTQ SMB-000-5 RLNCE CLSS H	CNT	010	XX	0403	C 6	5/20E- 6/20E- 6/20E-1-4325	10G156	A	C6AA12
10G080	OG	MOTOR OPERATOR	F/L2884	LTQ SMB-000-5 RLNCE CLSS H	CNT	010	XX	0403	C 6	6/20E- 6/20E- 6/20E-1-4325	10G162	A	C6AA12
10G081	OG	MOTOR OPERATOR	F/L2884	LTQ SMB-000-5 RLNCE CLSS H	CNT	012	VX	0395	C 6	6/20E-1-3524 6/20E- 6/20E-1-4324	10G167	A	C6AA12
20G057A	OG	MOTOR OPERATOR	F/L2884	LTQ SMB-000-5 RLNCE CLSS H	CNT	024	WX	0377	C 6	6/20E-2-3514 6/20E- 6/20E-2-4324	20G093	A	C6AA12
20G079	OG	MOTOR OPERATOR	F/L2884	LTQ SMB-000-5 RLNCE CLSS H	CNT	024	XX	0403	C 6	6/20E-2-3533 6/20E- 6/20E-2-4325	20G156	A	C6AA12
20G080	OG	MOTOR OPERATOR	F/L2884	LTQ SMB-000-5 RLNCE CLSS H	CNT	024	X	0403	C 6	6/20E-2-3533 6/20E- 6/20E-2-4325	20G162	A	C6AA12
20G081	OG	MOTOR OPERATOR	F/L2884	LTQ SMB-000-5 RLNCE CLSS H	CNT	024	VX	0395	C 6	6/20E-2-3524 6/20E- 6/20E-2-4324	20G167	A	C6AA12

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C6AA12

SPEC. NUM.: F/L2884

SYSTEM : OG

SAFETY CAT: A

FUNCTION : VALVE OPERATOR

ENVR ZONE : C 6

COMP/EQUIP: MOTOR OPERATOR

MANUF. : LIMITORQUE/RELIANCE

MODEL SUPP: SMB-000-5

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP	
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER	
TEMP DEG F	320	320	TYPE TEST	LIMITORQUE REP. NO. B0058, 01/11/80 & APPENDIX C OF REP. B0058	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB028 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	C6AA12
PRESS PSIG	50	70	TYPE TEST			
REL HUMID %	100	100/STEAM	TYPE TEST			
RADIATION	2E08RAD	2.04E08 RADS	TYPE TEST			
CHEM SPRAY	19GPM/ 10.5 PH	1.2 GPM/SQ.FT 8.5-10.5PH	TYPE TEST			
OPE TME MN	INTER- MITANT	INTERMITANT DAYS	TYPE TEST			
QUAL. LIFE	40 YRS	40.0 YRS	TYPE TEST		40 YEARS LIFE IS BASED UPON THE LUBRICATION PROCEDURE IN APPENDIX A OF REPORT B0058.	
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
1PS9354A	PS	SOLENOID	F/L2702	ASC NP8320A183E	CNT	012	VX	0383	C 6	6/20E-1-3514 6/20E- 6/20E-1-4552C	1PS049	A	C6AC03
1PS9355A	PS	SOLENOID	F/L2702	ASC NP8320A183E	CNT	012	VX	0383	C 6	6/20E-1-3514 6/20E- 6/20E-1-4552C	1PS062	A	C6AC03
1PS9356A	PS	SOLENOID	F/L2702	ASC NP8320A183E	CNT	012	VX	0383	C 6	6/20E-1-3514 6/20E- 6/20E-1-4552D	1PS075	A	C6AC03
1PS9357A	PS	SOLENOID	F/L2702	ASC NP8320A183E	CNT	012	VX	0383	C 6	6/20E-1-3514 6/20E- 6/20E-1-4552D	1PS088	A	C6AC03
1RY8026	RY	SOLENOID	F/L2702	ASC NP8320A183E	CNT	006	RD	0397	C 6	6/20E-1-3534 6/20E- 6/20E-1-4842B	1RY276	A	C6AC03
2PS9354A	PS	SOLENOID	F/L2702	ASC NP8320A183E	CNT	024	VX	0377	C 6	6/20E-2-3514 6/20E- 6/20E-2-4552C	2PS049	A	C6AC03
2PS9355A	PS	SOLENOID	F/L2702	ASC NP8320A183E	CNT	024	VX	0377	C 6	6/20E-2-3514 6/20E- 6/20E-2-4552C	2PS062	A	C6AC03
2PS9356A	PS	SOLENOID	F/L2702	ASC NP8320A183E	CNT	024	VX	0377	C 6	6/20E-2-3514 6/20E- 6/20E-2-4552D	2PS075	A	C6AC03
2PS9357A	PS	SOLENOID	F/L2702	ASC NP8320A183E	CNT	024	VX	0377	C 6	6/20E-2-3514 6/20E- 6/20E-2-4552D	2PS088	A	C6AC03
2RY8026	RY	SOLENOID	F/L2702	ASC NP8320A183E	CNT	024	WX	0401	C 6	6/20E-2-3534 6/20E- 6/20E-2-4842B	2RY276	A	C6AC03

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C6AC03

SPEC. NUM.: F/L2702

SYSTEM : PS,RY

SAFETY CAT: A

FUNCTION : CONTAINMENT ISOLATION

ENVR ZONE : C 6

COMP/EQUIP: SOLENOID OPERATED VALVE

MANUF. : ASC

MODEL SUPP: NP8320A183E

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	COMP		
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	REMARKS	NUMBER
TEMP DEG F	: 320 MAX	: 420 MAX	: TYPE TEST	: WESTINGHOUSE QUAL. TEST REP.	: REFER TO ENVIRONMENTAL QUALIFICATION BINDER	: C6AC03
				: H02A/H05A.	: NO. EQDP HE-2/5 FOR COMPLETE DOCUMENTATION	
PRESS PSIG	: 50	: 57	: TYPE TEST		: PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	: 100	: 100	: TYPE TEST			
RADIATION	: 2E08	: 2.05E08	: TYPE TEST			
CHEM SPRAY	: SEE	: 1.33GPM	: TYPE TEST		: CHEM SPRAY (PLT. DES.)	
	: REMARKS:	: PH10.5				
OPE TME MN	: SHORT	: CONT.	: TYPE TEST		: 3000 PPM H3BO4	
					: 30 % NAOH PH 8.5-10.5	
QUAL. LIFE	: 40 YRS	: 24.9 YRS.	: TEST/ANALYSIS		: .15 GPM/SQ.FT.	
SUBMERGENCE	: N/A	: N/A	: N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
1CV816G	CV	SOLENOID	F/L2702	ASC NP831654E	CNT	004	RD	0389	C 6	6/20E-1-3523 6/20E- 6/20E-1-4848P	1CV479	A	C6AC08
1RE1003	RE	SOLENOID	F/L2702	ASC NP831654E	CNT	012	RD	0385	C 6	6/20E-1-3511 6/20E- 6/20E-1-4439	1RE027	A	C6AC08
1RE1003	RE	SOLENOID	F/L2702	ASC NP831654E	CNT	012	RD	0385	C 6	6/20E-1-3511 6/20E- 6/20E-1-4439	1RE033	A	C6AC08
1RE9159A	RE	SOLENOID	F/L2702	ASC NP831654E	CNT	007	RD	0380	C 6	6/20E-1-3514 6/20E- 6/20E-1-4841A	1RE049	A	C6AC08
1RE9160A	RE	SOLENOID	F/L2702	ASC NP831654E	CNT	007	RD	0378	C 6	6/20E-1-3514 6/20E- 6/20E-1-4841A	1RE063	A	C6AC08
1RY8030	RY	SOLENOID	F/L2702	ASC NP831654E	CNT	011	RD	0391	C 6	6/20E-1-3521 6/20E- 6/20E-1-4842A	1RY288	A	C6AC08
1SI8145	CV	SOLENOID	F/L2702	ASC NP831654E	CNT	016	RD	0414	C 6			A	C6AC08
1SI8843	SI	SOLENOID	F/L2702	ASC NP831654E	CNT	006	RD	0397	C 8			A	C6AC08
1SI8871	SI	SOLENOID	F/L2702	ASC NP831654E	CNT	007	RD	0378	C 6	6/20E-1-3514 6/20E- 6/20E-1-4841A	1SI292	A	C6AC08
2CV8160	CV	SOLENOID	F/L2702	ASC NP831654E	CNT	024	XX	0390	C 6	6/20E-2-3523 6/20E- 6/20E-2-4848P	2CV479	A	C6AC08
2RE1003	RE	SOLENOID	F/L2702	ASC NP831654E	CNT	028	UX	0388	C 6	6/20E-2-3511 6/20E- 6/20E-2-4439	2RE033	A	C6AC08

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 IDENTIFICATION DATA SHEET (UNITS 1 & 2)

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						ELEV
2RE1003	RE	SOLENOID	F/L2702	ASC NP831654E	CNT	028	UX	0388	C 6	6/20E-2-3511 6/20E- 6/20E-2-4439	2RE033	A	C6AC08
2RE9159A	RE	SOLENOID	F/L2702	ASC NP831654E	CNT	025	VX	0377	C 6	6/20E-2-3514 6/20E- 6/20E-2-4841A	2RE049	A	C6AC08
2RE9160A	RE	SOLENOID	F/L2702	ASC NP831654E	CNT	025	VX	0377	C 6	6/20E-2-3514 6/20E- 6/20E-2-4841A	2RE063	A	C6AC08
2RY8030	RY	SOLENOID	F/L2702	ASC NP831654E	CNT	028	SX	0390	C 6	6/20E-2-3521 6/20E- 6/20E-2-4842A	2RY288	A	C6AC08
2SI8145	CV	SOLENOID	F/L2702	ASC NP831654E	CNT	016	RD	0414	C 6			A	C6AC08
2SI8843	SI	SOLENOID	F/L2702	ASC NP831654E	CNT	006	RD	0397	C 6			A	C6AC08
2SI8871	SI	SOLENOID	F/L2702	ASC NP831654E	CNT	024	UX	0377	C 6	6/20E-2-3514 6/20E- 6/20E-2-4841A	2SI293	A	C6AC08

SARGENT & LUNDY ENGINEERS
COMPONENT QUALIFICATION DIVISION

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C6AC08

SPEC. NUM.: F/L2702

SYSTEM : RE,CV,SI,RY

SAFETY CAT: A

FUNCTION : CONTAINMENT ISOLATION

ENVR ZONE : C 6

COMP/EQUIP: SOLENOID OPERATED VALVE

MANUF. : ASCO

MODEL SUPP: NP831654E

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP	
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER	
TEMP DEG F	320 MAX	420 MAX	TYPE TEST	WESTINGHOUSE QUAL. TEST REP. : H02A/H05A.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER : NO. EQDP HE-2/5 FOR COMPLETE DOCUMENTATION	C6AC08
PRESS PSIG	50	57	TYPE TEST		PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	100	100	TYPE TEST			
RADIATION	2E08	2.05E08	TYPE TEST			
CHEM SPRAY	SEE	1.33GPM	TYPE TEST		CHEM SPRAY (PLT. DES.)	
REMARKS		PH10.5				
OPE TME MN	SHORT	CONT.	TYPR TEST		3000 PPM H3BO4	
QUAL. LIFE	40 YRS.	24.9 YRS.	TEST/ANALYSIS		30 % NAOH PH 8.5-10.5	
					15 GPM/SQ.FT.	
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW		ELEV	NO.			
1VQ004A	VQ	SOLENOID	F/L2884	ASC NP-831654E	CNT	012	UX	0451	C 6	6/20E-1-3558 6/20E- 6/20E-1-4536A	1VQ147	A	C6AC10
1VQ005A	VQ	SOLENOID	F/L2884	ASC NP-831654E	CNT	012	VX	0467	C 6	6/20E-1-3558 6/20E- 6/20E-1-4536	1VQ169	A	C6AC10
2VQ004A	VQ	SOLENOID	F/L2884	ASC NP-831654E	CNT	024	UX	0451	C 6	6/20E-2-3558 6/20E- 6/20E-2-4536A	2VQ147	A	C6AC10
2VQ005A	VQ	SOLENOID	F/L2884	ASC NP-831654E	CNT	024	VX	0467	C 6	6/20E-2-3558 6/20E- 6/20E-2-4536	2VQ169	A	C6AC10

SARGENT & LUNDY ENGINEERS
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C6AC10

SPEC. NUM.: F/L2884

SYSTEM : VQ

SAFETY CAT: A

FUNCTION : CONTAINMENT ISOLATION

ENVR ZONE : C 6

COMP/EQUIP: SOLENOID OPERATED VALVE

MANUF. : ASCO

MODEL SUPP: NP831654E

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP	
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER	
TEMP DEG F	320	348	TYPE TEST	ASCO TEST REPORT NO. AQR 67368, REV. 0, DATED 03-02-82.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB026 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	C6AC10
PRESS PSIG	50	56	TYPE TEST			
REL HUMID %	100	100/STEAM	TYPE TEST			
RADIATION	2E08	2.05E08	TYPE TEST			
CHEM SPRAY	19 CPM	0.7 GPM/SQ.FT	TYPE TEST			
	PH 10.5	PH 10.5				
OPE TME MN	SHORT	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS	40.0 YRS	TYPE TEST		40 YEARS LIFE IS BASED UPON REPLACING THE ELASTOMERS & SOLENOID COILS BASED ON AMBIENT TEMPERATURE.	
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
1RF026	RF	SOLENOID	F/L2795	ASC NP8320A184E	CNT	012	VX	0390	C 6	6/20E-1-3524 6/20E- 6/20E-1-4847	1RF027	A	C6AC15
2RF026	RF	SOLENOID	F/L2795	ASC NP8320A184E	CNT	026	SX	0390	C 6	6/20E-2-3524 6/20E- 6/20E-2-4847	2RF027	A	C6AC15

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C6AC15

SPEC. NUM.: F/L2795

SYSTEM : RF

SAFETY CAT: A

FUNCTION : CONTAINMENT ISOLATION

ENVR ZONE : C 6

COMP/EQUIP: SOLENOID OPERATED VALVE

MANUF. : ASCO

MODEL SUPP: NP8320A184E

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP	
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER	
TEMP DEG F	320	348	TYPE TEST	ASCO TEST REPORT NO. AQR :67368,REV.0,DATED 03-C2-82.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BB026 FOR COMPLETE DOCUMENTATION :PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	C6AC15
PRESS PSIG	50	56	TYPE TEST			
REL HUMID %	100	100	TYPE TEST			
RADIATION	2E08	2.05E08	TYPE TEST			
CHEM SPRAY	19 GPM	0.7 GPM/SQ.FT	TYPE TEST			
	PH 10.5	PH 10.5				
OPE TME MN	SHORT	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	40 YRS.	TYPE TEST		40 YEARS LIFE IS BASED UPON REPLACING THE :ELASTOMERS & SOLENOID COILS DEPENDING ON :AMBIENT TEMPERATURE.	
SUBMERGENCE	N/A	N/A	N/A			

SARGENT & LUNDY ENGINEERS
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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION --- BDG COL ROW ELEV ZONE	ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
1IA066	IA	SOLENOID	F/L2794-1	ASC NP8320A187E	CNT 012 XX 0390 C 6		6/20E-1-3523 6/20E- 6/20E-1-4848P	1IA019	A	C6AC16
2IA066	IA	SOLENOID	F/L2794-1	ASC NP8320A187E	CNT 024 XX 0390 C 6		6/20E-2-3523 6/20E- 6/20E-2-4848P	2IA019	A	C6AC16

SARGENT & LUNDY ENGINEERS
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C6AC16

SPEC. NUM.: F/L2794-1

SYSTEM : IA

SAFETY CAT: A

FUNCTION : CONTAINMENT ISOLATION

ENVR ZONE : C 6

COMP/EQUIP: SOLENOID OPERATED VALVE

MANUF. : ASCO

MODEL SUPP: NP8320A187E

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT		QUALIFICATION		QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE		NUMBER
TEMP DEG F	320	348	TYPE TEST	ASCO TEST REPORT NO. AQR 67368, REV. 0, DATED 03-02-82.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EO-BBO26 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	C6AC16
PRESS PSIG	50	56	TYPE TEST			
REL HUMID %	100	100/STEAM	TYPE TEST			
RADIATION	2E08	2.05E08	TYPE TEST			
CHEM SPRAY	19GPM/ PH 10.5	0.7 GPM/SQ.FT. PH 10.5	TYPE TEST			
OPE TME MN	SHORT	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	40 YRS.	TYPE TEST		40 YEARS LIFE IS BASED UPON REPLACING THE ELASTOMERS & SOLENOID COILS DEPENDING ON AMBIENT TEMPERATURE.	
SUBMERGENCE	N/A	N/A	N/A			

SARGENT & LUNDY ENGINEERS
COMPONENT QUALIFICATION DIVISION

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR	SCHEMATIC D'AGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						ELEV
1CC050	CC	SOLENOID	F/L2793	ASC NP-8320A186E	CNT	012	VX	0395	C 6	6/20E-1-3524 6/20E- 6/20E-1-4843F	1CC220	A	C6AC11
1CC053	CC	SOLENOID	F/L2793	ASC NP-8320A186E	CNT	012	VX	0393	C 6	6/20E-1-3524 6/20E- 6/20E-1-4843F	1CC226	A	C6AC11
1FP011	FP	SOLENOID	F/L2793	ASC NP-8320A186E	CNT	012	VX	0391	C 6	6/20E-1-3524 6/20E- 6/20E-1-4967B	1FP032	A	C6AC11
1SA033	SA	SOLENOID	F/L2793	ASC NP-8320A186E	CNT	012	UX	0383	C 6	6/20E-1-3514 6/20E- 6/20E-1-4571D	1SA030	A	C6AC11
2CC050	CC	SOLENOID	F/L2793	ASC NP-8320A186E	CNT	024	VX	0395	C 6	6/20E-2-3524 6/20E- 6/20E-2-4843F	2CC220	A	C6AC11
2CC053	CC	SOLENOID	F/L2793	ASC NP-8320A186E	CNT	024	VX	0393	C 6	6/20E-2-3524 6/20E- 6/20E-2-4843F	2CC225	A	C6AC11
2FP011	FP	SOLENOID	F/L2793	ASC NP-8320A186E	CNT	024	VX	0391	C 6	6/20E-2-3524 6/20E- 6/20E-2-4967B	2FP032	A	C6AC11
2SA033	SA	SOLENOID	F/L2793	ASC NP8320A186E	CNT	024	UX	0383	C 6	6/20E-2-3514 6/20E- 6/20E-2-4571D	2SA030	A	C6AC11

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C6AC11

SPEC. NUM.: F/L2793

SYSTEM : SA,FP,CC

SAFETY CAT: A

FUNCTION : CONTAINMENT ISOLATIION

ENVR ZONE : C 6

COMP/EQUIP: SOLENOID OPERATED VALVE

MANUF. : ASCO

MODEL SUPP: NP8320A186E

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION QUALIFICATION	METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	320	348	TYPE TEST	ASCO TEST REPORT NO. AQR :67368,REV.O, DATED 03-02-82	REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BB026 FOR COMPLETE DOCUMENTATION :PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	C6AC11
PRESS PSIG	50	56	TYPE TEST			
REL HUMID %	100	100/STEAM	TYPE TEST			
RADIATION	2E08	2.05E08	TYPE TEST			
CHEM SPRAY	19 GPM	0.7 GPM/SQ.FT	TYPE TEST			
	PH 10.5	PH 10.5				
OPE TME MN	SHORT	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS	40.0 YRS	TYPE TEST		40 YEARS LIFE IS BASED UPON REPLACING THE :ELASTOMERS & SOLENOID COILS BASED ON AMBIENT :TEMPERATURE.	
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		MFG TYPE/MODEL	--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC.NO.			BDG	COL	ROW						ELEV
1W0056A	WO	10IN. ISOLATION GATE VALVE	F/L2718-2	A/D	10 IN. - 150 FW	CNT	12	X	0407	C 6	N/A	N/A	N/A	C6AB03
1W0056B	WO	10IN. ISOLATION GATE VALVE	F/L2718-2	A/D	10 IN. - 150 FW	CNT	13	W	0403	C 6	N/A	N/A	N/A	C6AB03
2W0056A	WO	10IN. ISOLATION GATE VALVE	F/L2718-2	A/D	10 IN. - 150 FW	CNT	22	Y	0407	C 6	N/A	N/A	N/A	C6AB03
2W0056B	WO	10IN. ISOLATION GATE VALVE	F/L2718-2	A/D	10 IN. - 150 FW	CNT	23	W	0403	C 6	N/A	N/A	N/A	C6AB03

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C6AB03

SPEC. NUM.: F/L2718-02

SYSTEM : WD

SAFETY CAT: A

FUNCTION : CONTAINMENT ISOLATION

ENVR ZONE : C 6

COMP/EQUIP: ISOLATION GATE VALVE

MANUF. : ANCHOR DARLING

MODEL SUPP: 10 IN. - 150 FW

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER : PLT DES:	QUALIFICATION:	METHOD :	DOCUMENT REFERENCE :		NUMBER:
TEMP DEG F : 320	: 320	: ANALYSIS	: SEE REMARKS	: REFER TO ENVIRONMENTAL QUALIFICATION BINDER	: C6AB03:
PRESS PSIG : -.018	: 150	: ANALYSIS	:	: NO. EQ-BB010 FOR COMPLETE DOCUMENTATION	:
REL HUMID % : 90	: 100	: ANALYSIS	:	: PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	:
RADIATION : 1E07	: > 1E07	: ANALYSIS	:	:	:
CHEM SPRAY : N/A	: N/A	: N/A	:	:	:
OPE TME MN : CONT.	: CONT.	: ANALYSIS	:	:	:
QUAL. LIFE : 40 YRS	: 40 YRS.	: ANALYSIS	:	:	:
SUBMERGENCE : N/A	: N/A	: N/A	:	:	:

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
1W0007A		WO RELIEF VALVE	F/L2718-1	A/G CVIB	CNT			0407	C 6	N/A	N/A	N/A	C6AB01
1W0007B		WO RELIEF VALVE	F/L2718-1	A/G CVIB	CNT			0407	C 6	N/A	N/A	N/A	C6AB01
2W0007A		WO RELIEF VALVE	F/L2718-1	A/G CVIB	CNT			0407	C 6	N/A	N/A	N/A	C6AB01
2W0007B		WO RELIEF VALVE	F/L2718-1	A/G CVIB	CNT			0403	C 6	N/A	N/A	N/A	C6AB01

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C6ABO1

SPEC. NUM.: F/L2718-1

SYSTEM : WO

SAFETY CAT: A

FUNCTION : RELIEF VALVE

ENVR ZONE : C 6

COMP/EQUIP: RELIEF VALVES

MANUF : ANDERSON-GREENWOOD

MODEL SUPP: 6IN.900 CUIB, NO. 7HS-4QB-N,CUIB

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER : PLT DES:	QUALIFICATION:	METHOD :	DOCUMENT REFERENCE :		NUMBER:
TEMP DEG F : 320 :	320 :	ANALYSIS :	SEE REMARKS :	REFER TO ENVIRONMENTAL QUALIFICATION BINDER :	C6ABO1:
PRESS PSIG : 50 :	50 :	ANALYSIS :		NO. EQ-BB042 FOR COMPLETE DOCUMENTATION :	
REL HUMID %: 100 :	100 :	ANALYSIS :		PACKAGE ASSOCIATED WITH THIS EQUIPMENT. :	
RADIATION : 2E08 :	2E08 :	ANALYSIS :			
CHEM SPRAY : SEE :	SEE :	ANALYSIS :		CHEM SPRAY :	
REMARKS: :	REMARKS :				
OPE TME MN : CONT. :	CONT. :	ANALYSIS :		O.26M H3BO3;O.064MNA2SO3. :	
QUAL. LIFE :40 YRS.:	40 YRS.:	ANALYSIS :		BUFFERED TO PH OF 10.5 :	
SUBMERGENCE: N/A :	N/A :				

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
1VQ001A	VQ	HYDRAULIC OPERATOR	F/L2794-1	B-W DWG NO 85460	CNT	012	UX	0451	C 6	6/20E-1-3558 6/20E- 6/20E-1-4324	1VQ086	A	C6AA14
1VQ002A	VQ	HYDRAULIC OPERATOR	F/L2794-1	B-W DWG NO 85450	CNT	012	VX	0462	C 6	6/20E-1-3558 6/20E- 6/20E-1-4324	1VQ113	A	C6AA14
2VQ001A	VQ	HYDRAULIC OPERATOR	F/L2794-1	B-W DWG NO 85460	CNT	024	UX	0451	C 6	6/20E-2-3558 6/20E- 6/20E-2-4324	2VQ086	A	C6AA14
2VQ002A	VQ	HYDRAULIC OPERATOR	F/L2794-1	B-W DWG NO 85460	CNT	024	VX	0462	C 6	6/20E-2-3558 6/20E- 6/20E-2-4324	2VQ113	A	C6AA14

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C6AA14

SPEC. NUM.: F/L2794-1
 SYSTEM : VQ
 SAFETY CAT: A
 FUNCTION : ISOLATION
 ENVR ZONE : C 6
 COMP/EQUIP: HYDRAULIC OPERATOR
 MANUF. : BORG WARNER
 MODEL SUPP: P/N. 85450/60

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER : PLT DES:	QUALIFICATION:	DOCUMENT REFERENCE		NUMBER:
	METHOD			
TEMP DEG F :	:	:	INTERIM JUSTIFICATION SUBMITTED TO NRC,	C6AA14:
PRESS PSIG :	:	:	CECO LETTER 01/10/84 ATTACHMENT C.	:
REL HUMID %:	:	:	:	:
RADIATION :	:	:	:	:
CHEM SPRAY :	:	:	:	:
OPE TME MN :	:	:	:	:
QUAL. LIFE :	:	:	:	:
SUBMERGENCE:	:	:	:	:

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW					
10G057A	OG	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8226-EXMOD.E CNT				0384 C 6	N/A	N/A	N/A	C6AB20
10G079	OG	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8226-EXMOD.B CNT				0403 C 6	N/A	N/A	N/A	C6AB20
10G080	OG	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8226-EXMOD.B CNT				0403 C 6	N/A	N/A	N/A	C6AB20
10G081	OG	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8226-EXMOD.B CNT				0395 C 6	N/A	N/A	N/A	C6AB20
1VQ001A	VQ	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8926 MOD.BW CNT				0462 C 6	N/A	N/A	N/A	C6AB20
1VQ002A	VQ	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8926 MOD.BW CNT				0462 C 6	N/A	N/A	N/A	C6AB20
1VQ004A	VQ	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8226-EXMOD.C CNT				0462 C 6	N/A	N/A	N/A	C6AB20
1VQ005A	VQ	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8226-EXMOD.C CNT				0475 C 6	N/A	N/A	N/A	C6AB20
20G057A	OG	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8226-EXMOD.B CNT				0384 C 6	N/A	N/A	N/A	C6AB20
20G079	OG	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8226-EXMOD.B CNT				0403 C 6	N/A	N/A	N/A	C6AB20
20G080	OG	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8226-EXMOD.B CNT				0403 C 6	N/A	N/A	N/A	C6AB20

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW					
20G081	OG	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8226-EXMOD.B CNT				0395 C 6	N/A	N/A	N/A	C6AB20
2VQ001A	VQ	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8926 MOD.BWB CNT				0462 C 6	N/A	N/A	N/A	C6AB20
2VQ002A	VQ	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8926 MOD.BWB CNT				0462 C 6	N/A	N/A	N/A	C6AB20
2VQ004A	VQ	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8226-EXMOD.C CNT				0462 C 6	N/A	N/A	N/A	C6AB20
2VQ005A	VQ	ISOLATION BUTTERFLY VLV.	F/L2884	JAM 8226-EXMOD.C CNT				0475 C 6	N/A	N/A	N/A	C6AB20

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C6AB20

SPEC. NUM.: F/L2884

SYSTEM : OG,VQ

SAFETY CAT: A

FUNCTION : CONTAINMENT ISOLATION

ENVR ZONE : C 6

COMP/EQUIP: ISOLATION BUTTERFLY VALVE

MANUF. : JAMESBURY

MODEL SUPP: 8226-EXMOD.B, 8926 MOD.BW, 8226-EXMOD.C

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION QUALIFICATION	METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	320	250	ANALYSIS	SEE REMARKS	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB052 FOR COMPLETE DOCUMENTATION	C6AB20
PRESS PSIG	50	150	ANALYSIS		PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	100	100	ANALYSIS		TEMP QUAL. IS FOR 250 DEG.F. CONTINEOUS. 320 DEG.F. ACCIDENT TEMP IS FOR SHORT PERIOD OF TIME AND HEAT TRANSFER IS MINIMAL.	
RADIATION	2E08	2E08	ANALYSIS			
CHEM SPRAY	SEE REMARKS	SEE REMARKS	ANALYSIS		CHEM SPRAY (PLT DES)	
OPE TME MN	CONT.	CONT.	ANALYSIS		-0.28M;H3E03;0.064M;NA2S03;BUFFERED 70PH OF 10.5 WITH NAOH.	
QUAL. LIFE	40 YRS	40 YRS.	ANALYSIS			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW					
1FPO11	FP	GLOBE CONTROL VALVE	F/L2793	MSN 4IN.-20000	CNT			0391 C 6	N/A	N/A	N/A	C6AB10
1SAO33	SA	GLOBE CONTROL VALVE	F/L2793	MSN 1.5-38-20771	CNT			0383 C 6	N/A	N/A	N/A	C6AB10
2FPO11	FP	GLOBE CONTROL VALVE	F/L2793	MSN 4IN.-20000	CNT			0391 C 6	N/A	N/A	N/A	C6AB10
2SAO33	SA	GLOBE CONTROL VALVE	F/L2793	MSN 1.5-38-20771	CNT			0383 C 6	N/A	N/A	N/A	C6AB10

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C6AB10

SPEC. NUM.: F/L2793

SYSTEM : SA,FP

SAFETY CAT: A

FUNCTION : CONTAINMENT ISOLATION

ENVR ZONE : C 6

COMP/EQUIP: GLOBE VALVE CONTROL

MANUF. : MASONEILAN

MODEL SUPP: 4"-20.000 SERIES ANSI CLASS 600

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	320	950	ANALYSIS	SEE REMARKS	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB046 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	C6AB10
PRESS PSIG	175	2000	ANALYSIS			
REL HUMID %	100	100	ANALYSIS			
RADIATION	2E08	1.5F09	ANALYSIS			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	ANALYSIS			
QUAL. LIFE	40 YRS	40 YRS.	ANALYSIS			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC. NO.	MFG TYPE/MODEL	EDG	COL	ROW						ELEV
1CS008A	CS	ISOLATION CHECK VALVE	F/L2794-2	TRW MISSION 10AK 30CPFV04	CNT			0410	C 6	N/A	N/A	N/A	C6AB15
1CS008B	CS	ISOLATION CHECK VALVE	F/L2794-2	TRW MISSION 10AK 30CPFV04	CNT			0402	C 6	N/A	N/A	N/A	C6AB15
2CS008A	CS	ISOLATION CHECK VALVE	F/L2794-2	TRW MISSION 10AK 30CPFV04	CNT			0410	C 6	N/A	N/A	N/A	C6AB15
2CS008B	CS	ISOLATION CHECK VALVE	F/L2794-2	TRW MISSION 10AK 30CPFV04	CNT			0402	C 6	N/A	N/A	N/A	C6AB15

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C6AB15

SPEC. NUM.: F/L2794-2

SYSTEM : CS

SAFETY CAT: A

FUNCTION : CONTAINMENT ISOLATION

ENVR ZONE : C 6

COMP/EQUIP: ISOLATION CHECK VALVE

MANUF. : TRW-MISSION

MODEL SUPP: 10IN. AK30CPFV04

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION QUALIFICATION	METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	320	1000	ANALYSIS	SEE REMARKS	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB048 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	C6AB15
PRESS PSIG	250	2500	ANALYSIS			
REL HUMID %	100	100	ANALYSIS			
RADIATION	2E08	1E10	ANALYSIS			
CHEM SPRAY	SEE REMARKS	SEE REMARKS			CHEM SPRAY (PLT DES)	
OPE TME MN	CONT.	CONT.	ANALYSIS		0.28M H3B03;0.064M NA2S03;BUFFERED TO PH OF 10.5 WITH NAOH.	
QUAL. LIFE	40 YRS.	40 YRS.	ANALYSIS			
SUBMERGENCE	N/A	N/A	N/A			

SARGENT & LUNDY ENGINEERS
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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER	
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
1RFO26	RF	ISOLATION PLUG VALVE	F/L2795	T/X 2IN.-066BW	CNT			0390	C 6	N/A	N/A	N/A	C6AB17
2RFO26	RF	ISOLATION PLUG VALVE	F/L2795	T/X 2IN.-066BW	CNT			0390	C 6	N/A	N/A	N/A	C6AB17

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C6AB17

SPEC. NUM.: F/L2795

SYSTEM : RF

SAFETY CAT: A

FUNCTION : CONTAINMENT ISOLATION

ENVR ZONE : C 6

COMP/EQUIP: ISOLATION PLUG VALVE

MANUF. : TUFLINE/XOMGX

MODEL SUPP: 4IN.-066BW;2IN.-066SW.

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	320	SEE REMARKS	ANALYSIS	SEE REMARKS	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB050 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	C6AB17
PRESS PSIG	50	233	ANALYSIS			
REL HUMID %	100	100	ANALYSIS		TEMP QUAL. IS FOR 250 DEG.F. CONTINEOUS. 320 DEG.F. ACCIDENT TEMP. IS FOR SHORT PERIOD OF TIME AND HEAT TRANSFER IS MINIMAL.	
RADIATION	2E08	2E08	ANALYSIS			
CHEM SPRAY	SEE REMARKS	SEE REMARKS	ANALYSIS		CHEM SPRAY (PLT DES)	
OPE TME MN	CONT.	CONT.	ANALYSIS		0.28M H3BO3;0.064M NA2SO3;BUFFERED TO PH OF 10.5 WITH NAOH.	
QUAL. LIFE	40 YRS.	40 YRS.	ANALYSIS			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW					
1IA066	IA	VALVE	F/L2794-1	W/B 3IN.-1500 CRESAD	CNT		0391	C 6	N/A	N/A	N/A	C6AB13
1IA091	IA	VALVE	F/L2794-1	W/B 3/4"-1500 CRESAD	CNT		0391	C 6	N/A	N/A	N/A	C6AB13
2IA066	IA	VALVE	F/L2794-1	W/B 3IN.-1500 CRESAD	CNT		0391	C 6	N/A	N/A	N/A	C6AB13
2IA091	IA	VALVE	F/L2794-1	W/B 3IN.-1500 CRESAD	CNT		0391	C 6	N/A	N/A	N/A	C6AB13

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C6AB13

SPEC. NUM.: F/L2794-1

SYSTEM : IA

SAFETY CAT: A

FUNCTION : RELIEF VALVE

ENVR ZONE : C 6

COMP/EQUIP: RELIEF VALVE

MANUF. : BORG-WARNER.

MODEL SUPP: 3IN.1500CRESAD;3/4IN.Y1500CRES;
2IN.300CRESMO;2IN.150CRESSW.

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION QUALIFICATION	METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	320	400	ANALYSIS	SEE REMARKS	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB050 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	C6AB13
PRESS PSIG	450	2000	ANALYSIS			
REL HUMID %	100	100	ANALYSIS			
RADIATION	2E08	1E09	ANALYSIS			
CHEM SPRAY	SEE REMARKS	SEE REMARKS	ANALYSIS		CHEM SPRAY(PLT DES)	
OPE TME MN	CONT.	CONT.	ANALYSIS		0.28M H3BO3;0.064M NA2SO3;BUFFERED TO PH OF 10.5 WITH NAOH.	
QUAL. LIFE	40 YRS	40 YRS.	ANALYSIS			
SUBMERGENCE	N/A	N/A	N/A			

SARGENT & LUNDY ENGINEERS
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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW					
1VPO1CA	VP	PRIMARY CNT. VENT SYS. RCFC FAN	F/L2733	JOY AXIVANE	CNT		0390	C 6	N/A	N/A	N/A	C6AG01
1VPO1CB	VP	PRIMARY CNT. VENT SYS. RCFC FAN	F/L2733	JOY AXIVANE	CNT		0364	C 6	N/A	N/A	N/A	C6AG01
1VPO1CC	VP	PRIMARY CNT. VENT SYS. RCFC FAN	F/L2733	JOY AXIVANE	CNT		0387	C 6	N/A	N/A	N/A	C6AG01
1VPO1CD	VP	PRIMARY CNT. VENT SYS. RCFC FAN	F/L2733	JOY AXIVANE	CNT		0377	C 6	N/A	N/A	N/A	C6AG01
2VPO1CA	VP	PRIMARY CNT. VENT SYS. RCFC FAN	F/L2733	JOY AXIVANE	CNT		0364	C 6	N/A	N/A	N/A	C6AG01
2VPO1CB	VP	PRIMARY CNT. VENT SYS. RCFC FAN	F/L2733	JOY AXIVANE	CNT		0364	C 6	N/A	N/A	N/A	C6AG01
2VPO1CC	VP	PRIMARY CNT. VENT SYS. RCFC FAN	F/L2733	JOY AXIVANE	CNT		0364	C 6	N/A	N/A	N/A	C6AG01
2VPO1CD	VP	PRIMARY CNT. VENT SYS. RCFC FAN	F/L2733	JOY AXIVANE	CNT		0364	C 6	N/A	N/A	N/A	C6AG01

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C6AGO1

SPEC. NUM.: F/L2733

SYSTEM : VP

SAFETY CAT: N/A

FUNCTION :

ENVR ZONE : C 6

COMP/EQUIP: PRIMARY CNT. VENT SYSTEM RCFC FAN

MANUF. : JOY MANUFACTURING/CARRIER

MODEL SUPP: AXIVANE

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER
TEMP DEG F	320	SEE REMARKS	ANALYSIS	N/A	C6AGO1
PRESS PSIG	50		ANALYSIS	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. CQD- N/A FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	100		ANALYSIS	ITEMS DO NOT CONTAIN ANY NON-METALLIC PARTS; THEREFORE, NO E.Q. IS REQUIRED.	
RADIATION	2EOB		ANALYSIS	NO BINDER IS REQUIRED.	
CHEM SPRAY	SEE REMARKS			CHEM SPRAY (PLT DES)	
DPE TME MN				0.28M H3B03 0.06AM NA2S03 BUFFERED TO PH OF 10.5 WITH NAOH.	
QUAL. LIFE	40 YRS.	40 YRS.	ANALYSIS		
SUBMERGENCE	N/A	N/A	N/A		

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1VPO1CA	VP	PRIMARY CONTAINMNT VENT SYS RCFC FAN 1A	F/L2733	REL PART NO. 600287-52	CNT 007 VX	0390 C 6	6/20E-1-3521 6/20E- 6/20E-1-4333	C 1VPO02	A	C6AA26
1VPO1CB	VP	PRIMARY CONTAINMNT VENT SYS RCFC FAN 1B	F/L2733	REL PART NO. 600287-52	CNT 007 XX	0385 C 6	6/20E-1-3512 6/20E- 6/20E-1-4333	C 1VPO24	A	C6AA26
1VPO1CC	VP	PRIMARY CONTAINMNT VENT SYS RCFC FAN 1C	F/L2733	REL PART NO. 600287-52	CNT 011 XX	0387 C 6	6/20E-1-3523 6/20E- 6/20E-1-4333	C 1VPO46	A	C6AA26
1VPO1CD	VP	PRIMARY CONTAINMNT VENT SYS RCFC FAN 1D	F/L2733	REL PART NO. 600287-52	CNT 011 UX	0385 C 6	6/20E-1-3514 6/20E- 6/20E-1-4333	C 1VPO68	A	C6AA26
2VPO1CA	VP	PRIMARY CNT VENT SYS RCFC FAN 2A	F/L2733	REL 150/100 RN HP INSULAT 5008 UCZ FRA	CNT 029 VX	0364 C 6	6/20E-2-3521 6/20E- 6/20E-2-4333	C 2VPO02	A	C6AA26
2VPO1CB	VP	PRIMARY CNT VENT SYS RCFC FAN 2B	F/L2733	REL 150/100 RN HP INSULAT 5008 UCZ FRA	CNT 029 XX	0364 C 6	6/20E-2-3512 6/20E- 5/20E-2-4333	C 2VPO24	A	C6AA26
2VPO1CC	VP	PRIMARY CNT VENT SYS FCFC FAN 2C	F/L2733	REL 150/100 RN HP INSULAT 5008 UCZ FRA	CNT 025 YX	0364 C 6	6/20E-2-3523 6/20E- 6/20E-2-4333	C 2VPO46	A	C6AA26
2VPO1CD	VP	PRIMARY CNT VENT SYS RCFC FAN 2D	F/L2733	REL 150/100 RN HP INSULAT 5008 UCZ FRA	CNT 025 UX	0364 C 6	6/20E-2-3514 6/20E- 6/20E-2-4333	C 2VPO68	A	C6AA26

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C6AA26

SPEC. NUM.: F/L2733

SYSTEM : VP

SAFETY CAT: A

FUNCTION : VENTILATION RCFC

ENVR ZONE : C 6

COMP/EQUIP: FAN MOTOR

MANUF. : RELIANCE

MODEL SUPP: PART NO. 600287-52,FR5008

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP	
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER	
TEMP DEG F	320	340	TYPE TEST	JOY MANUFACTURING CO. TEST REPORT X-604.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB041 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	C6AA26
PRESS PSIG	50	85	TYPE TEST			
REL HUMID %	100	100	TYPE TEST			
RADIATION	2E08	1E09	TYPE TEST			
CHEM SPRAY	0.19GPM	0.46GPM/	TYPE TEST/			
	SQ.FT	SQ.FT	ANALYSIS			
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	40 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---				ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW	ELEV					
1CV8145	CV	LIMIT SWITCH	F/L2702	NAM EA18011303	CNT	016	RD	0414	C 6			A	C6AD11
1CV8160	CV	LIMIT SWITCH	F/L2702	NAM EA18011303	CNT	004	RD	0392	C 6	6/20E-1-3523 6/20E- 6/20E-1-4848P	1CV480	A	C6AD11
1PS9354A	PS	LIMIT SWITCH	F/L2702	NAM EA18011303	CNT	006	RD	0383	C 6	6/20E-1-3514 6/20E- 6/20E-1-4552C	1PS050	A	C6AD11
1PS9355A	PS	LIMIT SWITCH	F/L2702	NAM EA18011303	CNT	006	RD	0383	C 6	6/20E-1-3514 6/20E- 6/20E-1-4552C	1PS063	A	C6AD11
1PS9356A	PS	LIMIT SWITCH	F/L2702	NAM EA18011303	CNT	006	RD	0383	C 6	6/20E-1-3514 6/20E- 6/20E-1-4552D	1PS076	A	C6AD11
1PS9357A	PS	LIMIT SWITCH	F/L2702	NAM EA18011303	CNT	006	RD	0383	C 6	6/20E-1-3514 6/20E- 6/20E-1-4552D	1PS084	A	C6AD11
1RE1003	RE	LIMIT SWITCH	F/L2702	NAM EA18014303	CNT	012	RD	0388	C 6	6/20E-1-3511 6/20E- 6/20E-1-4439	1RE026	A	C6AD11
1RE1003	RE	LIMIT SWITCH	F/L2702	NAM EA18015303	CNT	012	RD	0388	C 6	6/20E-1-3511 6/20E- 6/20E-1-4439	1RE028	A	C6AD11
1RE9159A	RE	LIMIT SWITCH	F/L2702	NAM EA18014303	CNT	007	RD	0383	C 6	6/20E-1-3514 6/20E- 6/20E-1-4841A	1RE050	A	C6AD11
1RE9159A	RE	LIMIT SWITCH	F/L2702	NAM EA18015303	CNT	007	RD	0383	C 6	6/20E-1-3514 6/20E- 6/20E-1-4841A	1RE051	A	C6AD11
1RE9160A	RE	LIMIT SWITCH	F/L2702	NAM EA18014303	CNT	007	RD	0381	C 6	6/20E-1-3514 6/20E- 6/20E-1-4841A	1RE064	A	C6AD11

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
1RE9100A		RE LIMIT SWITCH	F/L2702	NAM EA18015303	CNT	007	RD	0381	C 6	6/20E-1-3514 6/20E- 6/20E-1-4841A	1RE065	A	C6AD11
1RHB702A		RH LIMIT SWITCH	F/L2702	NAM EA18012303	CNT	012	XX	0382	C 6	6/20E-1-3513 6/20E- 6/20E-1-4324	1SI070	A	C6AD11
1RYB026		RY LIMIT SWITCH	F/L2702	NAM EA18011303	CNT	006	RD	0397	C 6	6/20E-1-3534 6/20E- 6/20E-1-4842B	1RY277	A	C6AD11
1RYB030		RY LIMIT SWITCH	F/L2702	NAM EA18014303	CNT	011	RD	0391	C 6	6/20E-1-3521 6/20E- 6/20E-1-4842A	1RY289	A	C6AD11
1RYB030		RY LIMIT SWITCH	F/L2702	NAM EA18015303	CNT	011	RD	0391	C 6	6/20E-1-3521 6/20E- 6/20E-1-4842A	1RY290	A	C6AD11
1SI8843		SI LIMIT SWITCH	F/L2702	NAM EA18011303	CNT	006	RD	0397	C 6			A	C6AD11
1SI8871		SI LIMIT SWITCH	F/L2702	NAM EA18011303	CNT	007	RD	0378	C 6	6/20E-1-3514 6/20E- 6/20E-1-4841A	1SI293	A	C6AD11
2CV8145		CV LIMIT SWITCH	F/L2702	NAM EA18011303	CNT	016	RD	0414	C 6			A	C6AD11
2CV8160		CV LIMIT SWITCH	F/L2702	NAM EA18011303	CNT	024	XX	0390	C 6	6/20E-2-3523 6/20E- 6/20E-2-4848P	2CV479	A	C6AD11
2CV8160		CV LIMIT SWITCH	F/L2702	NAM EA18012303	CNT	024	XX	0390	C 6	6/20E-2-3523 6/20E- 6/20E-2-4848P	2CV479	A	C6AD11
2RE1003		RE LIMIT SWITCH	F/L2702	NAM EA18014303	CNT	028	UX	0388	C 6	6/20E-2-3511 6/20E- 6/20E-2-4439	2RE033	A	C6AD11

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						
2RE1003	RE	LIMIT SWITCH	F/L2702	NAM EA18015303	CNT	028	UX	0388	C 6	6/20E-2-3511 6/20E- 6/20E-2-4439	2RE033	A	C6AD11
2RE9159A	RE	LIMIT SWITCH	F/L2702	NAM EA18014303	CNT	025	VX	0377	C 6	6/20E-2-3514 6/20E- 6/20E-2-4841A	2RE049	A	C6AD11
2RE9159A	RE	LIMIT SWITCH	F/L2702	NAM EA18015303	CNT	025	VX	0377	C 6	6/20E-2-3514 6/20E- 6/20E-2-4841A	2RE049	A	C6AD11
2RE9160A	RE	LIMIT SWITCH	F/L2702	NAM EA18014303	CNT	025	VX	0377	C 6	6/20E-2-3514 6/20E- 6/20E-2-4841A	2RE063	A	C6AD11
2RE9160A	RE	LIMIT SWITCH	F/L2702	NAM EA18015303	CNT	025	VX	0377	C 6	6/20E-2-3514 6/20E- 6/20E-2-4841A	2RE063	A	C6AD11
2RH8702A	RH	LIMIT SWITCH	F/L2702	NAM EA18012303	CNT	024	XX	0377	C 6	6/20E-2-3513 6/20E- 6/20E-2-4324	2RHO45	A	C6AD11
2RY8026	RY	LIMIT SWITCH	F/L2702	NAM EA18011303	CNT	024	WX	0401	C 6	6/20E-2-3534 6/20E- 6/20E-2-4842B	2RY276	A	C6AD11
2RY8026	RY	LIMIT SWITCH	F/L2702	NAM EA18012303	CNT	024	WX	0401	C 6	6/20E-2-3534 6/20E- 6/20E-2-4842B	2RY276	A	C6AD11
2RY8030	RY	LIMIT SWITCH	F/L2702	NAM EA18014303	CNT	028	SX	0390	C 6	6/20E-2-3521 6/20E- 6/20E-2-4842A	2RY288	A	C6AD11
2RY8030	RY	LIMIT SWITCH	F/L2702	NAM EA18015303	CNT	028	SX	0390	C 6	6/20E-2-3521 6/20E- 6/20E-2-4842A	2RY288	A	C6AD11
2SI8843	SI	LIMIT SWITCH	F/L2702	NAM EA18011303	CNT	006	RD	0397	C 6			A	C6AD11

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2SI8871		SI LIMIT SWITCH	F/L2702	NAM EA18011303	CNT 024 UX 0377 C 6		6/20E-2-3514 6/20E- 6/20E-2-4841A	2SI293	A	C6AD11

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C6AD11

SPEC. NUM.: F/L2702

SYSTEM : PS,CV,RE,RY,RH

SAFETY CAT: A

FUNCTION : VALVE POSITION/INTERLOCK

ENVR ZONE : C 6

COMP/EQUIP: LIMIT SWITCH

MANUF. : NAMCO

MODEL SUPP: EA180XX303

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	CCAP
PARAMETER	PLT DES:QUALIFICATION:	METHOD	DOCUMENT REFERENCE		NUMBER:
TEMP DEG F	:320 MAX: 420 MAX	: TYPE TEST	:WESTINGHOUSE EQUIPMENT QUAL.	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER	:C6AD11:
			:TEST REPORT H03A/H06A	:NO. EQDP HE-3/6 FOR COMPLETE DOCUMENTATION	
PRESS PSIG	: 50 : 57	: TYPE TEST		:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	: 100 : 100	: TYPE TEST			
RADIATION	: 2E08 : 2E08	: TYPE TEST			
CHEM SPRAY	: SEE : 0.15GPM	: TYPE TEST		:CHEM SPRAY (PLT DES)	
	:REMARKS: PH 10-11				
OPE TME MN	: CONT. : CONT.	: TYPE TEST		:3000 PPM H3BO4	
				:30 % NAOH	
QUAL. LIFE	:40 YRS. : 24.9 YRS.	: TYPE TEST		:PH 8.5-10.5	
				: .15 GPM/SQ.FT.	
SUBMERGENCE	: N/A : N/A	: N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION --- BDG COL ROW ELEV ZONE	ENVR	SCHMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
1RFO26		RF LIMIT SWITCH	F/L2795	NAM EA18021302	CNT 012 VX 0390 C 6		6/20E-1-3524 6/20E- 6/20E-1-4847	1RFO29	A	C6AD15
1RFO26		RF LIMIT SWITCH	F/L2795	NAM EA18021302	CNT 012 VX 0390 C 6		6/20E-1-3524 6/20E- 6/20E-1-4847	1RFO28	A	C6AD15
2RFO26		RF LIMIT SWITCH	F/L2795	NAM EA18031302	CNT 026 SX 0390 C 6		6/20E-2-3524 6/20E- 6/20E-2-4847	2RFO27	A	C6AD15
2RFO2S		RF LIMIT SWITCH	F/L2795	NAM EA18032302	CNT 026 SX 0390 C 6		6/20E-2-3524 6/20E- 6/20E-2-4847	2RFO27	A	C6AD15

SARGENT & LUNDY ENGINEERS
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C6AD15

SPEC. NUM.: F/L2795

SYSTEM : RF

SAFETY CAT: A

FUNCTION : PROVIDE VALVE POSITION INDICATION

ENVR ZONE : C 6

COMP/EQUIP: LIMIT SWITCH / VALVE

MANUF. : NAMCO CONTROLS

MODEL SUPP: EA180 SERIES.

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP	
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER	
TEMP DEG F	320	340	TYPE TEST	NAMCO CONTROL'S REPORT :QTR-105, REV. 1 :DATED 08/28/80.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER :ND. EQ-BB015 FOR COMPLETE DOCUMENTATION :PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	C6AD15
PRESS PSIG	50	80	TYPE TEST			
REL HUMID %	100	100	TYPE TEST			
RADIATION	2E08	2.04E08	TYPE TEST			
CHEM SPRAY	*	0.15GPM/FT SQ PH 10 TO 11	TYPE TEST	*CHEM SPRAY (PLT DES)		
OPE TME MN	CONT.	CONT.	TYPE TEST	0.19GPM/SQ. FT. PH 8.5 TO 10.5		
QUAL. LIFE	40 YRS	40.0 YRS*	TYPE TEST		*40 YRS. QUAL. BASED ON PERFORMING LUBRICATION: :EVERY 4.5 YRS. & REPLACEMENT OF ELASTOMERIC :PARTS. REPLAC. INTERVAL FOR ELAS. COMP. IS :DEPENDENT ON AMBIENT TEMP.SEE EQ-BB015 TAB E.	
SUBMERGENCE	N/A	N/A	N/A			

SARGENT & LUNDY ENGINEERS
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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW					
1CC050		CC LIMIT SWITCH	F/L2793	NAM EA18012302	CNT	012	VX	0395 C 6	6/20E-1-3524 6/20E- 6/20E-1-4843F	1CC247	A	C6AD14
1CC050		CC LIMIT SWITCH	F/L2793	NAM EA18011302	CNT	012	VX	0395 C 6	6/20E-1-3524 6/20E- 6/20E-1-4843F	1CC248	A	C6AD14
1CC053		CC LIMIT SWITCH	F/L2793	NAM EA18011302	CNT	012	VX	0393 C 6	6/20E-1-3524 6/20E- 6/20E-1-4843F	1CC250	A	C6AD14
1CC053		CC LIMIT SWITCH	F/L2793	NAM EA18012302	CNT	012	VX	0393 C 6	6/20E-1-3524 6/20E- 6/20E-1-4843F	1CC250	A	C6AD14
1FP011		FP LIMIT SWITCH	F/L2793	NAM EA18012302	CNT	012	VX	0391 C 6	6/20E-1-3524 6/20E- 6/20E-1-4967B	1FP034	A	C6AD14
1FP011		FP LIMIT SWITCH	F/L2793	NAM EA18011302	CNT	012	VX	0391 C 6	6/20E-1-3524 6/20E- 6/20E-1-4967B	1FP033	A	C6AD14
1SA033		SA LIMIT SWITCH	F/L2793	NAM EA18012302	CNT	012	UX	0383 C 6	6/20E-1-3514 6/20E- 6/20E-1-4571D	1SA031	A	C6AD14
1SA033		SA LIMIT SWITCH	F/L2793	NAM EA18011302	CNT	012	UX	0383 C 6	6/20E-1-3514 6/20E- 6/20E-1-4571D	1SA029	A	C6AD14
2CC050		CC LIMIT SWITCH	F/L2793	NAM EA18011302	CNT	024	VX	0395 C 6	6/20E-2-3524 6/20E- 6/20E-2-4843F	2CC220	A	C6AD14
2CC050		CC LIMIT SWITCH	F/L2793	NAM EA18012302	CNT	024	VX	0395 C 6	6/20E-2-3524 6/20E- 6/20E-2-4843F	2CC220	A	C6AD14
2CC053		CC LIMIT SWITCH	F/L2793	NAM EA18011302	CNT	024	VX	0393 C 6	6/20E-2-3524 6/20E- 6/20E-2-4843F	2CC226	A	C6AD14

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						ELEV
2CC053		CC LIMIT SWITCH	F/L2793	NAM EA18012302	CNT	024	VX	0393	C 6	6/20E-2-3524 6/20E- 6/20E-2-4843F	2CC226	A	C6AD14
2FP011		FP LIMIT SWITCH	F/L2793	NAM EA18011302	CNT	024	VX	0391	C 6	6/20E-2-3524 6/20E- 6/20E-2-4967B	2FP032	A	C6AD14
2FP011		FP LIMIT SWITCH	F/L2793	NAM EA18012302	CNT	024	VX	0391	C 6	6/20E-2-3524 6/20E- 6/20E-2-4967B	2FP032	A	C6AD14
2SA033		SA LIMIT SWITCH	F/L2793	NAM EA18011302	CNT	024	UX	0383	C 6	6/20E-2-3514 6/20E- 6/20E-2-4571D	2SA030	A	C6AD14
2SA033		SA LIMIT SWITCH	F/L2793	NAM EA18012302	CNT	024	UX	0383	C 6	6/20E-2-3514 6/20E- 6/20E-2-4571D	2SA030	A	C6AD14

SARGENT & LUNDY ENGINEERS
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C6AD14

SPEC. NUM.: F/L2793

SYSTEM : CC,FP,SA

SAFETY CAT: A

FUNCTION : PROVIDE VALVE POSITION INDICATION

ENVR ZONE : C 6

COMP/EQUIP: LIMIT SWITCH / VALVE

MANUF. : NAMCO CONTROLS

MODEL SUPP: EA180 SERIES.

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	COMP		
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	REMARKS	NUMBER
TEMP DEG F	320	340	TYPE TEST	NAMCO CONTROL'S REPORT QTR-105, REV. 1 DATED 08/28/80.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB015 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	C6AD14
PRESS PSIG	50	80	TYPE TEST			
REL HUMID %	100	100	TYPE TEST			
RADIATION	2E08	2.04E08	TYPE TEST			
CHEM SPRAY	*	0.15GPM/SQ.FT. PH 10 TO 11	TYPE TEST	+CHEM SPRAY (PLT DES)		
OPE TME MN	CONT.	CONT.	TYPE TEST	0.19GPM/SQ. FT. PH 8.5 TO 10.5		
QUAL. LIFE	40 YRS	40.0 YRS	TYPE TEST		+40 YRS. QUAL. BASED ON PERFORMING LUBRICATION: EVERY 4.5 YRS. & REPLACEMENT OF ELASTOMERIC PARTS. REPLAC. INTERVAL FOR ELAS. COMP. IS DEPENDENT ON AMBIENT TEMP. SEE EQ-BB015 TAB E.	
SUBMERGENCE	N/A	N/A	N/A			

SARGENT & LUNDY ENGINEERS
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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						
1ZS-VQO11AA	VQ	LIMIT SWITCH	F/L2884	NAM EA18031302	CNT	012	UX	0451	C 6	6/20E-1-3558 6/20E- 6/20E-1-4324	1VQ268	A	C6AD18
1ZS-VQO11BA	VQ	LIMIT SWITCH	F/L2884	NAM EA18032302	CNT	012	UX	0451	C 6	6/20E-1-3558 6/20E- 6/20E-1-4324	1VQ267	A	C6AD18
1ZS-VQO13AA	VQ	LIMIT SWITCH	F/L2884	NAM EA18031302	CNT	012	VX	0462	C 6	6/20E-1-3558 6/20E- 6/20E-1-4324	1VQ286	A	C6AD18
1ZS-VQO13BA	VQ	LIMIT SWITCH	F/L2884	NAM EA18032302	CNT	012	VX	0462	C 6	6/20E-1-3558 6/20E- 6/20E-1-4324	1VQ285	A	C6AD18
1ZS-VQO16AA	VQ	LIMIT SWITCH	F/L2884	NAM EA18011302	CNT	012	UX	0451	C 6	6/20E-1-3558 6/20E- 6/20E-1-4536A	1VQ152	A	C6AD18
1ZS-VQO16BA	VQ	LIMIT SWITCH	F/L2884	NAM EA18012302	CNT	012	UX	0451	C 6	6/20E-1-3558 6/20E- 6/20E-1-4536A	1VQ153	A	C6AD18
1ZS-VQO18AA	VQ	LIMIT SWITCH	F/L2884	NAM EA18011302	CNT	012	VX	0467	C 6	6/20E-1-3558 6/20E- 6/20E-1-4536	1VQ174	A	C6AD18
1ZS-VQO18BA	VQ	LIMIT SWITCH	F/L2884	NAM EA18012302	CNT	012	VX	0467	C 6	6/20E-1-3558 6/20E- 6/20E-1-4536	1VQ175	A	C6AD18
2ZS-VQO16AA	VQ	LIMIT SWITCH	F/L2884	NAM EA18011302	CNT	024	UX	0451	C 6	6/20E-2-3558 6/20E- 6/20E-2-4536A	2VQ147	A	C6AD18
2ZS-VQO16BA	VQ	LIMIT SWITCH	F/L2884	NAM EA18012302	CNT	024	UX	0451	C 6	6/20E-2-3558 6/20E- 6/20E-2-4536A	2VQ147	A	C6AD18
2ZS-VQO18AA	VQ	LIMIT SWITCH	F/L2884	NAM EA18011302	CNT	024	VX	0467	C 6	6/20E-2-3558 6/20E- 6/20E-2-4536	2VQ169	A	C6AD18

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						ELEV
2ZS-VQ018BA	VQ	LIMIT SWITCH	F/L2884	NAM EA18012302	CNT	024	VX	0467	C 6	6/20E-2-3558 6/20E- 6/20E-2-4536	2VQ169	A	C6AD18

SARGENT & LUNDY ENGINEERS
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C6AD18

SPEC. NUM.: F/L2884

SYSTEM : VQ

SAFETY CAT: A

FUNCTION : PROVIDE POSITION INDICATION

ENVR ZONE : C 6

COMP/EQUIP: LIMIT SWITCH

MANUF. : NAMCO CONTROLS

MODEL SUPP: EA180 SERIES.

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP	
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER	
TEMP DEG F	320	340	TYPE TEST	NAMCO CONTROL'S REPORT :QTR-105, REV. 1 :DATED 08/28/80.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BB015 FOR COMPLETE DOCUMENTATION :PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	C6AD18
PRESS PSIG	50	80	TYPE TEST			
REL HUMID %	100	100	TYPE TEST			
RADIATION	2E08	2.04E08	TYPE TEST			
CHEM SPRAY	*	0.15GPM/FT SQ PH 10 TO 11	TYPE TEST	*CHEM SPRAY (PLT DES)		
OPE TME MN	CONT.	CONT.	TYPE TEST	0.19GPM/SQ. FT. PH 8.5 TO 10.5		
QUAL. LIFE	40 YRS	40.0 YRS*	TYPE TEST		*40 YRS. QUAL. BASED ON PERFORMING LUBRICATION :EVERY 4.5 YRS. & REPLACEMENT OF ELASTOMERIC :PARTS. REPLAC. INTERVAL FOR ELAS. COMP. IS :DEPENDENT ON AMBIENT TEMP. SEE EQ-BB015 TAB E.	
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
1IAC66		IA LIMIT SWITCH	F/L2794-1	NAM EA18031302	CNT	012	XX	0390	C 6	6/20E-1-3523 6/20E- 6/20E-1-4848P	1IA020	A	C6AD17
1IA066		IA LIMIT SWITCH	F/L2794-1	NAM EA18031302	CNT	012	XX	0390	C 6	6/20E-1-3523 6/20E- 6/20E-1-4848P	1IA021	A	C6AD17
2IA066		IA LIMIT SWITCH	F/L2794-1	NAM EA18031302	CNT	024	XX	0390	C 6	6/20E-2-3523 6/20E- 6/20E-2-4848P	2IA019	A	C6AD17
2IA066		IA LIMIT SWITCH	F/L2794-1	NAM EA18031302	CNT	024	XX	0390	C 6	6/20E-2-3523 6/20E- 6/20E-2-4848P	2IA019	A	C6AD17

SARGENT & LUNDY ENGINEERS
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C6AD17

SPEC. NUM.: F/L2794-1

SYSTEM : IA

SAFETY CAT: A

FUNCTION : PROVIDE VALVE POSITION INDICATION

ENVR ZONE : C 6

COMP/EQUIP: LIMIT SWITCH / VALVE

MANUF. : NAMCO CONTROLS

MODEL SUPP: EA180 SERIES.

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER : PLT DES:	QUALIFICATION:	METHOD	DOCUMENT REFERENCE		NUMBER:
TEMP DEG F : 320	: 340	: TYPE TEST	: NAMCO CONTROL'S REPORT	: REFER TO ENVIRONMENTAL QUALIFICATION BINDER	: C6AD17:
PRESS PSIG : 50	: 80	: TYPE TEST	: QTR-105, REV. 1	: NO. EQ-BB015 FOR COMPLETE DOCUMENTATION	:
REL HUMID % : 100	: 100	: TYPE TEST	: DATED 08/28/80.	: PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	:
RADIATION : 2E08	: 2.04E08	: TYPE TEST	:	:	:
CHEM SPRAY : *	: 0.15GPM/FT SQ:	: TYPE TEST	: *CHEM SPRAY (PLT DES)	:	:
	: PH 10 TO 11	:	:	:	:
OPE TME MN : CONT.	: CONT.	: TYPE TEST	: 0.19GPM/SQ. FT.	:	:
			: PH 8.5 TO 10.5	:	:
QUAL. LIFE : 40 YRS	: 40.0 YRS*	: TYPE TEST	:	: *40 YRS. QUAL. BASED ON PERFORMING LUBRICATION:	:
				: EVERY 4.5 YRS. & REPLACEMENT OF ELASTOMERIC	:
SUBMERGENCE : N/A	: N/A	: N/A	:	: PARTS. REPLAC. INTERVAL FOR ELAS. COMP. IS	:
				: DEPENDENT ON AMBIENT TEMP. SEE EQ-BB015 TAB E.	:

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		CABLE NO/ PANEL NO		O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV		ZONE					
1PT -405	RC	PRESSURE TRANSMITTER	F/L2702	VRK 76PH2433/ 94002-A2	CNT	010	RI	0383	C	6	6/20E-1-3513 6/20E- 6/20E-1-4111D	C	1RC224 1PL66J	A	C6AE38
2PT -405	RC	PRESSURE TRANSMITTER	F/L2702	VRC 76PH2	CNT	028	UX	0377	C	6	6/20E-2-3513 6/20E- 6/20E-2-4111D	C	2RC226 2PL66J	D	C6AE38

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C6AE38

SPEC. NUM.: F/L2702

SYSTEM : RC

SAFETY CAT: A

FUNCTION : RCS-WIDE RANGE PRESSURE

ENVR ZONE : C 6

COMP/EQUIP: PRESSURE TRANSMITTER

MANUF. : VERITRAK

MODEL SUPP: 76PH2

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	COMP		
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	REMARKS	NUMBER
TEMP DEG F	: 320 MAX	: 420 MAX	: TYPE TEST	: WESTINGHOUSE EQUIPMENT QUAL	: REFER TO ENVIRONMENTAL QUALIFICATION BINDER	: C6AE38
	:	:	:	: TEST REPORT E01B.	: NO. EQDP ESE-1B FOR COMPLETE DOCUMENTATION	:
PRESS PSIG	: 50	: 57	: TYPE TEST	:	: PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	:
REL HUMID %	: 100	: 95	: TYPE TEST	:	:	:
RADIATION	: 1.3E07G	: 5E07G	: TYPE TEST	:	:	:
	: 1.6E08B	: 9E08B	:	:	:	:
CHEM SPRAY	: SEE	: 0.19GPM/	: TYPE TEST	:	: CHEM SPRAY (PLT DES)	:
	: REMARKS: SQFT PH 10.7	:	:	:	:	:
OPE TME MN	: SHORT	: 4 MONTHS	: TYPE TEST	:	: 3000 PPM H3B04	:
	:	:	:	:	: 30 % NAOH	:
QUAL. LIFE	: 40 YRS.	: 6 YRS.	: TEST/ANALYSIS	:	: PH 8.5-10.5	:
	:	:	:	:	: .15 GPM/SQ.FT.	:
SUBMERGENCE	: N/A	: N/A	: N/A	:	:	:
	:	:	:	:	:	:

SARGENT & LUNDY ENGINEERS
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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW					
1FT -642		CC DIFF. PRESS.	F/L2702	VRK 76DP24333/ 43312-A2	CNT			C 6				C6AE52
1FT -651		CC DIFF. PRESS.	F/L2702	VRK 76DP24333/ 43312-A2	CNT	013	R	0401	C 6			C6AE52
1FT -654		CC DIFF. PRESS.	F/L2702	VRK 76DP24333/ 43312-A2	CNT	019	R	0412	C 6			C6AE52
1FT -657		CC DIFF. PRESS.	F/L2702	VRK 76DP24333/ 43312-A2	CNT	001	R	0401	C 6			C6AE52
1FT -660		CC DIFF. PRESS.	F/L2702	VRK 76DP24333/ 43312-A2	CNT	009	R	0412	C 6			C6AE52
2FT -642		CC DIFF. PRESS.	F/L2702	VRK 76DP24333/ 43312-A2	CNT				C 6			C6AE52
2FT -651		CC DIFF. PRESS.	F/L2702	VRK 76DP24333/ 43312-A2	CNT	013	R	0401	C 6			C6AE52
2FT -654		CC DIFF. PRESS.	F/L2702	VRK 76DP24333/ 43312-A2	CNT	019	R	0412	C 6			C6AE52
2FT -657		CC DIFF. PRESS.	F/L2702	VRK 76DP24333/ 43312-A2	CNT	001	R	0401	C 6			C6AE52
2FT -660		CC DIFF. PRESS.	F/L2702	VRK 76DP24333/ 43312-A2	CNT	009	R	0412	C 6			C6AE52

SARGENT & LUNDY ENGINEERS
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C6AE52

SPEC. NUM.: F/L2702

SYSTEM : CC

SAFETY CAT: A

FUNCTION : CCW SEAL WATER HX RETURN

ENVR ZONE : C 6

COMP/EQUIP: DIFFERENTIAL PRESSURE TRANSMITTER

MANUF. : VERITRAK

MODEL SUPP: 76DP2

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE		NUMBER
TEMP DEG F	220 MAX	420 MAX	TYPE TEST	WESTINGHOUSE EQUIP. QUAL. TEST REPORT E03B.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQDP ESE-3B FOR COMPLETE DOCUMENTATION ASSOCIATED WITH THIS EQUIPMENT.	C6AE52
PRESS PSIG	50	75	TYPE TEST			
REL HUMID %	100	95	TYPE TEST			
RADIATION	1.3E07G 1.6E08B	5E07G 9E08B	TYPE TEST			
CHEM SPRAY	SEE REMARKS	SEE REMARKS	TYPE TEST		CHEM SPRAY (PLT DES) QUALIFICATION	
OPE TME MN	SHORT	4 MONTHS	TEST/ANALYSIS		3000 PPM H3BO3 30% NAOH PH 8.5-10.5 .15 GPM/SQ.FT.	2500 PPM H3BO3 NAOH 10.7 PH
QUAL. LIFE	40 YRS.	6 YRS.	TEST/ANALYSIS			
SUBMERGENCE	N/A	N/A	N/A			

SARGENT & LUNDY ENGINEERS
COMPONENT QUALIFICATION DIVISION

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COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---				ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW	ELEV	ZONE				
1LT-PC002	PC	DIFFERENTIAL PRESSURE TRANSMITTER	F/L2702 L/L2906	BRN 764	CNT 6	B		0377	C 6		1PC022-23	B	C6AE6H
1LT-PC003	PC	DIFFERENTIAL PRESSURE TRANSMITTER	F/L2702 L/L2906	BRN 764	CNT 7	B		0377	C 6		1PC026-27	B	C6AE6H
1LT-PC006	PC	DIFFERENTIAL PRESSURE TRANSMITTER	F/L2702 L/L2906	BRN 764	CNT 9	C		0377	C 6		1PC038-39	B	C6AE6H
1LT-PC007	PC	DIFFERENTIAL PRESSURE TRANSMITTER	F/L2702 L/L2906	BRN 764	CNT 9	C		0377	C 6		1PC042-43	B	C6AE6H
2LT-PC002	PC	DIFFERENTIAL PRESSURE TRANSMITTER	F/L2702 L/L2906	BRN 764	CNT 6	B		0377	C 6		1PC022-23	B	C6AE6H
2LT-PC003	PC	DIFFERENTIAL PRESSURE TRANSMITTER	F/L2702 L/L2906	BRN 764	CNT 7	B		0377	C 6		1PC026-27	B	C6AE6H
2LT-PC006	PC	DIFFERENTIAL PRESSURE TRANSMITTER	F/L2702 L/L2906	BRN 764	CNT 9	C		0377	C 6		1PC038-39	B	C6AE6H
2LT-PC007	PC	DIFFERENTIAL PRESSURE TRANSMITTER	F/L2702 L/L2906	BRN 764	CNT 9	C		0377	C 6		1PC042-43	B	C6AE6H

SARGENT & LUNDY ENGINEERS
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C6AE6H

SPEC. NUM.: F/L2702,F/L2906

SYSTEM : PC

SAFETY CAT: B

FUNCTION : MONITOR CONTAINMENT FLOOR DRAIN SUMP CHANNELS AGB, AND CONTAINMENT WATER LEVEL

ENVR ZONE : C 6

COMP/EQUIP: DIFFERENTIAL PRESSURE TRANSMITTER

MANUF. : BARTON

MODEL SUPP: 764

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	COMP		
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	REMARKS	NUMBER
TEMP DEG F	320	420	TYPE TEST	ITT BARTON REPORT NO. R3-7649, REV. 3 DATED 10/05/82	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB063 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	C6AE6H
PRESS PSIG	50	75	TYPE TEST			
REL HUMID %	100	100	TYPE TEST			
RADIATION	2E08	2E08	TYPE TEST			
CHEM SPRAY	.15 GPM/ /SQ.FT.	5.9 GPH/ SQ.FT.	TYPE TEST			
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	40 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

SARGENT & LUNDY ENGINEERS
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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/		CABLE NO/ O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW		ELEV	WIRING DIAGRAM NO.		
1PT -934	SI	PRESSURE SENSOR	F/L2702	BRN 351	CNT	007	R	0426	C	6		C6AE7D
1PT -935	SI	PRESSURE SENSOR	F/L2702	BRN 351	CNT	008	R	0451	C	6		C6AE7D
1PT -936	SI	PRESSURE SENSOR	F/L2702	BRN 351	CNT	007	R	0451	C	6		C6AE7D
1PT -937	SI	PRESSURE SENSOR	F/L2702	BRN 351	CNT	008	R	0426	C	6		C6AE7D

1-4109J

SARGENT & LUNDY ENGINEERS
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C6AE7D

SPEC. NUM.: F/L2702

SYSTEM : SI

SAFETY CAT: A

FUNCTION : CONTAINMENT PRESSURE

ENVR ZONE : C 6

COMP/EQUIP: CONTAINMENT PRESSURE SENSOR

MANUF. : BARTON

MODEL SUPP: 351

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT	PLT DES	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
			METHOD	DOCUMENT	REFERENCE		NUMBER
TEMP DEG F	: 320 MAX :		420 MAX :	TYPE TEST	WESTINGHOUSE EQUIPMENT QUAL.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER	C6AE7D
					TEST REPORT 21.	NO. EQDF ESE-21 FOR COMPLETE DOCUMENTATION	
PRESS PSIG	: -.50 :		75 :	TYPE TEST		PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	: 100 :		100 :	TYPE TEST			
RADIATION	: SEE :		6.8E07 :	TYPE TEST			
	REMARKS:						
CHEM SPRAY	: SEE :	2750PPM/H3BO3:	PH 10.4 :	TYPE TEST		CHEM SPRAY (PLT DES)	RADIATION (PLT DES)
	REMARKS:						
OPE TME MN	: SHORT :		SHORT :	TEST/ANALYSIS:		3000 PPM H3BO3	6.8E07 10YRS. +
						30% NAOH	POST DBE
QUAL. LIFE	: 40 YRS. :		10 YRS. :	TEST/ANALYSIS:		PH 8.5-10.5	
						.15 GPM/SQ.FT.	
SUBMERGENCE	: N/A :		N/A :	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	CGL	ROW						
1LT -459		RY LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	012	R	0383	C 6	6/20E-1-3511 6/20E-1-4030 RY05 6/20E-1-4105A	C 1FW018 1PL50J	A	C6AE35
1LT -460		RY LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	016	R	0383	C 6	6/20E-1-3511 6/20E-1-4030 RY06 6/20E-1-4109C	C 1RY204	A	C6AE35
1LT -461		RY LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	007	R	0383	C 6	6/20E-1-3514 6/20E-1-4030 RY07 6/20E-1-4105B	C 1FW024 1PL52J	A	C6AE35
1LT -501		FW LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	012	R	0383	C 6	6/20E-1-3511 6/20E-1-4031 FW01 6/20E-1-4105A	1FW018 1PL50J	A	C6AE35
1LT -502		FW LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	021	R	0383	C 6	6/20E-1-3512 6/20E-1-4031 FW02 6/20E-1-4105N	1FW020 1PL52J	A	C6AE35
1LT -503		FW LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	005	R	0383	C 6	6/20E-1-3513 6/20E-1-4031 FW03 6/20E-1-4105T	1FW022 1PL75J	A	C6AE35
1LT -504		FW LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	007	R	0383	C 6	6/20E-1-3514 6/20E-1-4031 FW04 6/20E-1-4105B	1FW024 1PL52J	A	C6AE35
1LT -517		FW LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	010	R	0401	C 6	6/20E-1-3534 6/20E-1-4030 FW11 6/20E-1-4101M	C 1FW059 1PL69J	A	C6AE35
1LT -518		FW LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	013	R	0412	C 6	6/20E-1-3541 6/20E-1-4030 FW07 6/20E-1-4109C	C	A	C6AE35
1LT -519		FW LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	019	R	0412	C 6	6/20E-1-3544 6/20E-1-4030 FW06 6/20E-1-4101A	C 1FW045 1PL57J	A	C6AE35
1LT -527		FW LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	005	R	0383	C 6	6/20E-1-3513 6/20E-1-4030 FW12 6/20E-1-4105T	C 1FW061 1PL75J	A	C6AE35

SARGENT & LUNDY ENGINEERS
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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						
1LT -528		FW LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	019	R	0412	C 6	6/20E-1-3542 6/20E-1-4030 FW08 6/20E-1-4109C	C	A	C6AE35
1LT -529		FW LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	017	R	0412	C 6	6/20E-1-3542 6/20E-1-4030 FW05 6/20E-1-4105Q	1FW039 1PL71J	A	C6AE35
1LT -537		FW LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	005	R	0383	C 6	6/20E-1-3513 6/20E-1-4030 FW13 6/20E-1-4105T	C 1FW061 1PL75J	A	C6AE35
1LT -538		FW LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	020	R	0412	C 6	6/20E-1-3542 6/20E-1-4030 FW09 6/20E-1-4109C	C	A	C6AE35
1LT -539		FW LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	017	R	0412	C 6	6/20E-1-3542 6/20E-1-4030 FW05 6/20E-1-4105Q	1FW039 1PL71J	A	C6AE35
1LT -547		FW LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	010	R	0401	C 6	6/20E-1-3534 6/20E-1-4030 FW14 6/20E-1-4101M	C 1FW059 1PL69J	A	C6AE35
1LT -548		FW LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	012	R	0412	C 6	6/20E-1-3541 6/20E-1-4030 FW10 6/20E-1-4109C	C	A	C6AE35
1LT -549		FW LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	009	R	0412	C 6	6/20E-1-3544 6/20E-1-4030 FW06 6/20E-1-4101A	C 1FW045 1PL57J	A	C6AE35
1LT -556		FW LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	015	R	0412	C 6	6/20E-1-3541 6/20E-1-4031 FW24 6/20E-1-4105F	1FW700 1PL56J	A	C6AE35
1LT -557		FW LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	002	R	0412	C 6	6/20E-1-3543 6/20E-1-4031 FW25 6/20E-1-4105R	1FW703 1PL72J	A	C6AE35
1LT -558		FW LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	002	R	0412	C 6	6/20E-1-3542 6/20E-1-4031 FW25 6/20E-1-4105R	1FW702 1PL72J	A	C6AE35

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
1LT -559		FW LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	002	R	0416	C 6	6/20E-1-3544 6/20E-1-4031 FW24 6/20E-1-4109C	1FW701	A	C6AE35
2LT -459		RY LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	028	UX	0377	C 6	6/20E-2-3511 6/20E-2-4030 RY05 6/20E-2-4105A	C 2FW018 2PL50J	A	C6AE35
2LT -460		RY LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	029	UX	0381	C 6	6/20E-2-3511 6/20E-2-4030 RY06 6/20E-2-4109C	C 2RY204	A	C6AE35
2LT -461		RY LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	024	VX	0377	C 6	6/20E-2-3514 6/20E-2-4030 RY07 6/20E-2-4105B	C 2FW024 2PL52J	A	C6AE35
2LT -501		FW LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	028	UX	0377	C 6	6/20E-2-3511 6/20E-2-4031 FW01 6/20E-2-4105A	2FW018 2PL50J	A	C6AE35
2LT -502		FW LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	026	VX	0377	C 6	6/20E-2-3512 6/20E-2-4031 FW02 6/20E-2-4105N	2FW020 2PL67J	A	C6AE35
2LT -503		FW LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	024	UX	0377	C 6	6/20E-2-3513 6/20E-2-4031 FW03 6/20E-2-4105T	2FW022 2PL75J	A	C6AE35
2LT -504		FW LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	024	VX	0377	C 6	6/20E-2-3514 6/20E-2-4031 FW04 6/20E-2-4105B	2FW024 2PL52J	A	C6AE35
2LT -517		FW LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	026	UX	0401	C 6	6/20E-2-3534 6/20E-2-4030 FW11 6/20E-2-4105M	C 2FW059 2PL69J	A	C6AE35
2LT -518		FW LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	028	UX	0412	C 6	6/20E-2-3541 6/20E-2-4030 FW07 6/20E-2-4109C	C 2FW051	A	C6AE35
2LT -519		FW LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	025	UX	0412	C 6	6/20E-2-3544 6/20E-2-4030 FW06 6/20E-2-4105G	C 2FW044 2PL57J	A	C6AE35

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						ELEV
2LT -527		FW LEVEL TRANSMITTER	F/L2702	BRN 764	CNT	024	XX	0377	C 6	6/20E-2-3513 6/20E-2-4030 FW12 6/20E-2-4105T	C 2FW061 2PL75J	A	C6AE35
2LT -528		FW LEVEL TRANSMITTER	F/L2702	BRN 764	CNT	028	YX	0401	C 6	6/20E-2-3542 6/20E-2-4030 FW08 6/20E-2-4109C	C 2FW053	A	C6AE35
2LT -529		FW LEVEL TRANSMITTER	F/L2702	BRN 764	CNT	028	YX	0412	C 6	6/20E-2-3542 6/20E-2-4030 FW05 6/20E-2-4105Q	2FW039 2PL71J	A	C6AE35
2LT -537		FW LEVEL TRANSMITTER	F/L2702	BRN 764	CNT	024	XX	0377	C 6	6/20E-2-3513 6/20E-2-4030 FW13 6/20E-2-4105T	C 2FW061 2PL75J	A	C6AE35
2LT -538		FW LEVEL TRANSMITTER	F/L2702	BRN 764	CNT	028	YX	0401	C 6	6/20E-2-3542 6/20E-2-4030 FW09 6/20E-2-4109C	C 2FW055	A	C6AE35
2LT -539		FW LEVEL TRANSMITTER	F/L2702	BRN 764	CNT	028	YX	0412	C 6	6/20E-2-3542 6/20E-2-4030 FW05 6/20E-2-4105Q	2FW039 2PL71J	A	C6AE35
2LT -547		FW LEVEL TRANSMITTER	F/L2702	BRN 764	CNT	026	UX	0401	C 6	6/20E-2-3534 6/20E-2-4030 FW14 6/20E-2-4105M	C 2FW059 2PL69J	A	C6AE35
2LT -548		FW LEVEL TRANSMITTER	F/L2702	BRN 764	CNT	028	UX	0412	C 6	6/20E-2-3541 6/20E-2-4030 FW10 6/20E-2-4109C	C 2FW057	A	C6AE35
2LT -549		FW LEVEL TRANSMITTER	F/L2702	BRN 764	CNT	025	UX	0412	C 6	6/20E-2-3544 6/20E-2-4030 FW06 6/20E-2-4101A	C 2FW049 2PL57J	A	C6AE35
2LT -556		FW LEVEL TRANSMITTER	F/L2702	BRN 764	CNT	029	VX	0412	C 6	6/20E-2-3541 6/20E-2-4031 FW24 6/20E-2-4105F	2FW700 2PL56J	A	C6AE35
2LT -557		FW LEVEL TRANSMITTER	F/L2702	BRN 764	CNT	025	YX	0412	C 6	6/20E-2-3543 6/20E-2-4031 FW25 6/20E-2-4105R	2FW703 2PL72J	A	C6AE35

SARGENT & LUNDY ENGINEERS
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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ CABLE NO/		O588 CAT.	COMPUTER NUMBER	
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW		ELEV	WIRING DIAGRAM NO.			PANEL NO
2LT -558		FW LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	025	YX	0412	C 6	6/20E-2-3542 6/20E-2-4031 FW25 6/20E-2-4105R	2FW702 2PL72J	A	C6AE35
2LT -559		FW LEVEL TRNSMTTER	F/L2702	BRN 764	CNT	024	VX	0416	C 6	6/20E-2-3544 6/20E-2-4031 FW24	2FW701	A	C6AE35

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C6AE35

SPEC. NUM.: F/L2702

SYSTEM : RY,FW

SAFETY CAT: A

FUNCTION : WATER LEVEL PROTECTION

ENVR ZONE : C 6

COMP/EQUIP: DIFFERENTIAL PRESSURE TRANSMITTER

MANUF. : BARTON

MODEL SUPP: 764

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT		QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE		NUMBER
TEMP DEG F	: 320 MAX	: 420 MAX	: TYPE TEST	: WESTINGHOUSE EQUIPMENT QUAL	: REFER TO ENVIRONMENTAL QUALIFICATION BINDER	: C6AE35
				: TEST REPORT EO3A.	: NO. EQDP ESE-3A FOR COMPLETE DOCUMENTATION	
PRESS PSIG	: 50	: 57	: TYPE TEST		: PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	: 100	: 95	: TYPE TEST		: O-RINGS QUALIFIED FOR 2 YRS.	
RADIATION	: 1.3E07G	: 5E07G	: TYPE TEST			
	: 1.6E08B	: 9E08B				
CHEM SPRAY	: SEE	: SEE	: TYPE TEST		: CHEM SPRAY(PLT DES)	QUALIFICATION
	: REMARKS	: REMARKS				
OPE TME MN	: SHORT	: 4 MONTHS	: TEST/ANALYSIS		: 3000 PPM H3B03	2500 PPM H3B03
					: 30 % NAOH	PH 10.7
QUAL. LIFE	: 40 YRS.	: 6 YRS.	: TEST/ANALYSIS		: PH 8.5-10.5	
					: .15 GPM/SQ.FT.	
SUBMERGENCE	: N/A	: N/A	: N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						
1FT -414	RC	FLOW TRANSMITTR	F/L2702	BRN 752	CNT	012	R	0381	C 6	6/20E-1-3511 6/20E-1-4030 6/20E-1-4105A	C 1FW018 1PL50J	C	C6AE40
1FT -415	RC	FLOW TRANSMITTR	F/L2702	BRN 752	CNT	016	R	0381	C 6	6/20E-1-3517 6/20E-1-4030 6/20E-1-4109C	C 1RC376 RC10	C	C6AE40
1FT -416	RC	FLOW TRANSMITTR	F/L2702	BRN 752	CNT	007	R	0381	C 6	6/20E-1-3514 6/20E-1-4030 6/20E-1-4105B	C 1FW024 RC15 1PL52J	C	C6AE40
1FT -424	RC	FLOW TRANSMITTR	F/L2702	BRN 752	CNT	001	R	0379	C 6	6/20E-1-3513 6/20E-1-4030 6/20E-1-4105M	C 1RC359 RC09 1PL66J	C	C6AE40
1FT -425	RC	FLOW TRANSMITTR	F/L2702	BRN 752	CNT	021	R	0381	C 6	6/20E-1-3512 6/20E-1-4030 6/20E-1-4105N	1FW020 RC10 1PL67J	C	C6AE40
1FT -426	RC	FLOW TRANSMITTR	F/L2702	BRN 752	CNT	007	R	0381	C 6	6/20E-1-3542 6/20E-1-4030 6/20E-1-4109C	C 1RC410 RC15	C	C6AE40
1FT -434	RC	FLOW TRANSMITTR	F/L2702	BRN 752	CNT	001	R	0381	C 6	6/20E-1-3513 6/20E-1-4030 6/20E-1-4105M	C 1RC364 RC11 1PL66J	C	C6AE40
1FT -435	RC	FLOW TRANSMITTR	F/L2702	BRN 752	CNT	021	R	0379	C 6	6/20E-1-3512 6/20E-1-4030 6/20E-1-4105N	1FW020 RC12 1PL67J	C	C6AE40
1FT -436	RC	FLOW TRANSMITTR	F/L2702	BRN 752	CNT	007	R	0381	C 6	6/20E-1-3544 6/20E-1-4030 6/20E-1-4109C	C 1RC426 RC16	C	C6AE40
1FT -444	RC	FLOW TRANSMITTR	F/L2702	BRN 752	CNT	012	R	0380	C 6	6/20E-1-3511 6/20E-1-4030 6/20E-1-4105A	C 1FW018 RC11 1PL50J	C	C6AE40
1FT -445	RC	FLOW TRANSMITTR	F/L2702	BRN 752	CNT	016	R	0381	C 6	6/20E-1-3511 6/20E-1-4030 6/20E-1-4109C	C 1RC405 RC12	C	C6AE40

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					BDG	COL	ROW						ELEV
1FT -446	RC	FLOW TRANSMITTR	F/L2702	BRN 752	CNT	007	R	0381	C 6	6/20E-1-3514 6/20E-1-4030 6/20E-1-4105B	C 1FW024 1PL52J	C	C6AE40
2FT -414	RC	FLOW TRANSMITTR	F/L2702	BRN 752	CNT	028	UX	0377	C 6	6/20E-2-3511 6/20E-2-4030 6/20E-2-4105A	C 2FW018 2PL50J	C	C6AE40
2FT -415	RC	FLOW TRANSMITTR	F/L2702	BRN 752	CNT	029	UX	0381	C 6	6/20E-2-3517 6/20E-2-4030 6/20E-2-4109C	C 2RC376 RC10	C	C6AE40
2FT -416	RC	FLOW TRANSMITTR	F/L2702	BRN 752	CNT	024	CX	0377	C 6	6/20E-2-3514 6/20E-2-4030 6/20E-2-4105B	C 2FW024 RC15 2PL52J	C	C6AE40
2FT -424	RC	FLOW TRANSMITTR	F/L2702	BRN 752	CNT	026	YX	0377	C 6	6/20E-2-3513 6/20E-2-4030 6/20E-2-4105M	C 2RC359 RC09 2PL66J	C	C6AE40
2FT -425	RC	FLOW TRANSMITTR	F/L2702	BRN 752	CNT	028	YX	0377	C 6	6/20E-2-3512 6/20E-2-4030 6/20E-2-4105N	2FW020 RC10 2PL67J	C	C6AE40
2FT -426	RC	FLOW TRANSMITTR	F/L2702	BRN 752	CNT	028	YX	0377	C 6	6/20E-2-3542 6/20E-2-4030 6/20E-2-4109C	C 2RC410 RC15	C	C6AE40
2FT -434	RC	FLOW TRANSMITTR	F/L2702	BRN 752	CNT	026	YX	0377	C 6	6/20E-2-3513 6/20E-2-4030 6/20E-2-4105M	C 2RC364 RC11 2PL66J	C	C6AE40
2FT -435	RC	FLOW TRANSMITTR	F/L2702	BRN 752	CNT	026	YX	0377	C 6	6/20E-2-3512 6/20E-2-4030 6/20E-2-4105N	2FW020 RC12 2PL67J	C	C6AE40
2FT -436	RC	FLOW TRANSMITTR	F/L2702	BRN 752	CNT	028	YX	0377	C 6	6/20E-2-3544 6/20E-2-4030 6/20E-2-4109C	C 2RC426 RC16	C	C6AE40
2FT -444	RC	FLOW TRANSMITTR	F/L2702	BRN 752	CNT	028	UX	0377	C 6	6/20E-2-3511 6/20E-2-4030 6/20E-2-4105A	C 2FW018 RC11 2PL50J	C	C6AE40

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					BDG	COL	ROW		ELEV	WIRING DIAGRAM NO.			PANEL NO
2FT -445		RC FLOW TRANSMITTR	F/L2702	BRN 752	CNT	029	VX	0377	C 6	6/20E-2-3511 6/20E-2-4030 RC12 6/20E-2-4109C	C 2RC405	C	C6AE40
2FT -446		RC FLOW TRANSMITTR	F/L2702	BRN 752	CNT	024	VX	0377	C 6	6/20E-2-3514 6/20E-2-4030 RC15 6/20E-2-4105B	C 2FW024 2PL52J	C	C6AE40

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C6AE40

SPEC. NUM.: F/L2702

SYSTEM : RC

SAFETY CAT: C

FUNCTION : REACTOR COOLANT FLOW

ENVR ZONE : C 6

COMP/EQUIP: DIFFERENTIAL PRESSURE TRANSMITTER

MANUF. : BARTON

MODEL SUPP: 752

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT		QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE		NUMBER
TEMP DEG F	120	130 MAX	TYPE TEST	WESTINGHOUSE EQUIPMENT QUAL. TEST REPORT 4A & 4B.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQDP-ESE-4 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	C6AE40
PRESS PSIG	0	0	TYPE TEST			
REL HUMID %	50	95	TYPE TEST			
RADIATION	SEE	1E05	TYPE TEST		EQUIPMENT IS NOT REQUIRED TO OPERATE POST LOCA QUALIFICATION IS FOR NORMAL OPERATION.	
CHEM SPRAY	SEE	N/A	TYPE TEST		CHEM SPRAY (PLT DES) RADIATION (PLT DES)	
OPE TME MN	SEE	N/A	TYPE TEST		3000 PPM H3B04 3E04 RADS (40 YRS.)	
QUAL. LIFE	40 YRS.	5 YRS.	TYPE TEST		30 % NAOH 1FT-414 & 444 PH 8.5-10.5 1E05 (30 YRS.)	
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/		CABLE NC/ C	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW		ELEV	ZONE			
1FIS-CC063	CC	FLOW INDICATING SWITCH	F/L2906	BRN 581A FS35	CNT	011	VX	0394	C 6	6/20E-1-3524 6/20E-1-4030CC13 6/20E-1-4843F	C 1CC221	A	C6AE41
1FIS-CC064	CC	FLOW INDICATING SWITCH	F/L2906	BRN 581A FS35	CNT	012	VX	0382	C 6	6/20E-1-3514 6/20E-1-4030CC13 6/20E-1-4843F	C 1CC227	A	C6AE41

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C6AE41

SPEC. NUM.: F/L2906

SYSTEM : CC

SAFETY CAT: A

FUNCTION : PROVIDE A HIGH FLOW ALARM IN THE MAIN CONTROL ROOM
AND A HIGH FLOW INTER LOCK TO CLOSE THE VALVES 1CC050 & 1CC053
ENVR ZONE : C 6

COMP/EQUIP: FLOW INDICATING SWITCH

MANUF. : ITT/BARTON

MODEL SUPP: 581A

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP	
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER	
TEMP DEG F	320	340	TYPE TEST	BARTON REPORT NO. R3-580A-9 VOLUMES 1,2,3 & 4.	REFE. TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB053 FOR COMPLETE DOCUMENTATION	C6AE41
PRESS PSIG	50	80	TYPE TEST	JIO SUBMITTED TO NRC,CECO LETTER OF 01/05/84.	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	100	100	TYPE TEST		CHEM SPRAY (PLT. DES.) (QUAL.)	
RADIATION	2E08	2E08	TYPE TEST		.28 M H3B03 .064 M NA2S03 PPM BORON)	.28 MOLAR H3B03(3000
CHEM SPRAY	SEE	SEE	TYPE TEST		NAOH TO MAKE PH 10.5	.064 MOLAR NA2S203
OPE TME MN	REMARKS: CONT.	REMARKS CONT.	TYPE TEST			NAOH TO MAKE PH 10.75
QUAL. LIFE	40 YRS.	40 YRS.	TYPE TEST		JIO FOR PRESENTLY INSTALLED BARTON 288A SUBMITTED TO NRC 01/05/84.	
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O583 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						ELEV
1PT -403	RC	PRESSURE TRANSMITTER	F/L2702	BRN 763	CNT	005	R	0383	C 6	6/20E-1-3513 6/20E- 6/20E-1-4111D	C 1RC224 1PL75J	A	C6AE36
1PT -455	RY	PRESSURE TRANSMITTER	F/L2702	BRN 763	CNT	012	R	0383	C 6	6/20E-1-3511 6/20E-1-4030 RYO1 6/20E-1-4105A	C 1FW018 1PL50J	A	C6AE36
1PT -456	RY	PRESSURE TRANSMITTER	F/L2702	BRN 763	CNT	016	R	0383	C 6	6/20E-1-3511 6/20E-1-4030 RYO2 6/20E-1-4109C	C 1RY202	A	C6AE36
1PT -457	RY	PRESSURE TRANSMITTER	F/L2702	BRN 763	CNT	007	R	0383	C 6	6/20E-1-3514 6/20E- 6/20E-1-4111C	C 1RY207 1PL52J	A	C6AE36
1PT -458	RY	PRESSURE TRANSMITTER	F/L2702	BRN 763	CNT	005	R	0383	C 6	6/20E-1-3513 6/20E-1-4030 RYO4 6/20E-1-4105T	1RY211 1PL75J	A	C6AE36
2PT -403	RC	PRESSURE TRANSMITTER	F/L2702	BRN 763	CNT	028	UX	0377	C 6	6/20E-2-3513 6/20E- 6/20E-2-4111D	C 2RC224 2PL75J	D	C6AE36
2PT -455	RY	PRESSURE TRANSMITTER	F/L2702	BRN 763	CNT	028	SX	0377	C 6	6/20E-2-3511 6/20E-2-4030 RYO1 6/20E-2-4105A	C 2FW018 2PL50J	A	C6AE36
2PT -456	RY	PRESSURE TRANSMITTER	F/L2702	BRN 763	CNT	025	UX	0381	C 6	6/20E-2-3511 6/20E-2-4030 RYO2 6/20E-2-4109C	C 2RY202	A	C6AE36
2PT -457	RY	PRESSURE TRANSMITTER	F/L2702	BRN 763	CNT	024	VX	0377	C 6	6/20E-2-3514 6/20E- 6/20E-2-4111C	C 2RY207 2PL52J	D	C6AE36
2PT -458	RY	PRESSURE TRANSMITTER	F/L2702	BRN 763	CNT	024	VX	0377	C 6	6/20E-2-3513 6/20E-2-4030 RYO4 6/20E-2-4105T	2FW061 2PL75J	A	C6AE36

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C6AE36

SPEC. NUM.: F/L2702

SYSTEM : RY,RC

SAFETY CAT: A

FUNCTION : PRESSURIZER PROTECTION

ENVR ZONE : C 6

COMP/EQUIP: PRESSURE TRANSMITTER

MANUF. : BARTON

MODEL SUPP: 763

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE		NUMBER
TEMP DEG F	: 320 MAX	: 420 MAX	: TYPE TEST	: WESTINGHOUSE EQUIPMENT QUAL.	: REFER TO ENVIRONMENTAL QUALIFICATION BINDER	: C6AE36
				: TEST REPORT E01A.	: NO. EQDP ESE-1A FOR COMPLETE DOCUMENTATION	
PRESS PSIG	: 50	: 57	: TYPE TEST		: PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	: 100	: 100	: TYPE TEST			
RADIATION	: 1.3E07G	: 5E07G	: TYPE TEST			
	: 1.6E08B	: 9E08B				
CHEM SPRAY	: SEE	: 0.19GPM/	: TYPE TEST		: CHEM SPRAY (PLT DES)	
	: REMARKS	: SOFT PH 10.7				
OPE TME MN	: SHORT	: 4 MONTHS	: TYPE TEST		: 3000 PPM H3B03	
QUAL. LIFE	: 40 YRS.	: 6 YRS.	: TEST/ANALYSIS		: 30 % NAOH	
					: PH 8.5-10.5	
SUBMERGENCE	: N/A	: N/A	: N/A		: 15 GPM/SQ.FT.	
					: O RING QUALIFIED FOR 2 YRS.	

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC.ND.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV						ZONE
1RE -ARO20	AR	RADIATION DETECTOR	F/L2827	GAC RD23	CNT	001	FX	451	C	6		A	C6AE42	
1RE -ARO21	AR	RADIATION DETECTOR	F/L2827	GAC RD23	CNT	011	GX	451	C	6		A	C6AE42	
2RE -ARO20	AR	RADIATION DETECTORS	F/L2827	GAC RD23	CNT	024	WX	0512	C	6	6/20E-2-3570 ARO20 6/20-	C 2AR189	A	C6AE42
2RE -ARO21	AR	RADIATION DETECTORS	F/L2827	GAC RD23	CNT	005	WX	0512	C	6	6/20E-2-3570 6/20E- ARO21	C 2AR193	A	C6AE42

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C6AE42

SPEC. NUM.: F/L2827

SYSTEM : AR

SAFETY CAT: A

FUNCTION : DETECTS RADIATION FR. 1E00 TO 1E08 R/HR. & GENERATES AN ANALOG ELEC. CURRENT.

ENVR ZONE : C 6

COMP/EQUIP: HIGH RANGE RADIATION MONITOR DETECTOR ASSEMBLY

MANUF. : GENERAL ATOMICS COMPANY

MODEL SUPP: RD-23

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	REMARKS	COMP		
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	REMARKS	NUMBER
TEMP DEG F	320	320	TYPE TEST	GENERAL ATOMIC REPORT NO. E-254.960, 'DESIGN QUAL.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB034 FOR COMPLETE DOCUMENTATION	C6AE42
PRESS PSIG	50	77	TYPE TEST	TES'ING OF ANALOG HIGH RANGE RADIATION MONITOR RD-23, 'REVISION DATED 05/01/81.	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	100	100	TYPE TEST			
RADIATION	2E08	2E08	ANALYSIS			
CHEM SPRAY	SEE	SEE	TYPE TEST		PLT. DES. QUAL.	
	REMARKS	REMARKS				
OPE TME MN	CONT.	CONT.	TYPE TEST		0.28M H3B03 0.064M NA2 S203	
QUAL. LIFE	40 YRS.	40 YRS.	ANALYSIS		0.064M NA2 S203 BUFFERED TO PH OF 10.5	
					0.064M NA2 S203 BUFFERED TO PH OF 10.5 WITH NAOH	
SUBMERGENCE	N/A	N/A	N/A			

3306



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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						
2AP84EA	AP	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	024	UX	0439	C 6	6/20E-2-3352 6/20E- 6/20E-2-4300	2EW103	B	C6AF04
2AP84EB	AP	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	026	WX	0420	C 6	6/20E-2-3342 6/20E- 6/20E-2-4300	2EW047	B	C6AF04
2AP84EC	AP	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	025	UX	0422	C 6	6/20E-2-3342 6/20E- 6/20E-2-4300	2HC006	B	C6AF04
2AP85EA	AP	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	028	SX	0422	C 6	6/20E-2-3541 6/20E- 6/20E-2-4301A	2IC061	B	C6AF04
2AP85EB	AP	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	028	SX	0435	C 6	6/20E-2-3343 6/20E- 6/20E-2-4301B	2IC142	B	C6AF04
2AP85EC	AP	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	024	VX	0439	C 6	6/20E-2-3352 6/20E- 6/20E-2-4301C	2FH009	B	C6AF04
2AP85ED	AP	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	024	UX	0422	C 6	6/20E-2-3342 6/20E- 6/20E-2-4301D	2HC071	B	C6AF04
2CQ01E	CQ	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	030	WX	0426	C 6	6/20E- 6/20E- 6/20E-	2PR501	B	C6AF04
2CQ02E	CQ	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	030	YX	0397	C 6	6/20E-2-3318 6/20E- 6/20E-	C 2PR203	B	C6AF04
2IC19E	IC	ELECTRICAL PENETRATION	F/L2804 -01	BRC PENETRATION	CNT	024	UX	0418	C 6	6/20E-2-3342 6/20E- 6/20E-2-4313	C 2IC153	B	C6AF04
2LVO1E	LV	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	026	SX	0422	C 6	6/20E-2-3544 6/20E- 6/20E-2-4303	2IT002	B	C6AF04

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	C588 CAT.	COMPUTER NUMBER	
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
2LV02E	LV	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	024	UX	0422	C 6	6/20E-2-3342 6/20E- 6/20E-2-4304A	2CC104	B	C6AFO4
2LV03E	LV	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	024	WX	0439	C 6	6/20E-2-3343 6/20E- 6/20E-2-4307B	2CV127	B	C6AFO4
2LV04E	LV	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	024	UX	0439	C 6	6/20E-2-3352 6/20E- 6/20E-2-4306A	2IC166	B	C6AFO4
2LV05E	LV	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	026	SX	0422	C 6	6/20E-2-3541 6/20E- 6/20E-2-4307D	2IT068	B	C6AFO4
2LV06E	LV	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	024	UX	0435	C 6	6/20E-2-3352 6/20E- 6/20E-2-4308D	2IT274	B	C6AFO4
2LV07E	LV	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	024	UX	0414	C 6	6/20E-2-3342 6/20E- 6/20E-2-4309C	2C0010	B	C6AFO4
2LV08E	LV	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	026	SX	0426	C 6	6/20E-2-3353 6/20E- 6/20E-2-4310E	2FW685	B	C6AFO4
2NR01E	NR	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	024	VX	0418	C 6	6/20E-2-3342 6/20E- 6/20E-2-4312A	C 2NR035	B	C6AFO4
2NR02E	NR	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	028	SX	0435	C 6	6/20E-2-3353 6/20E- 6/20E-2-4312B	C 2NR130	B	C6AFO4
2NR03E	NR	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	028	SX	0435	C 6	6/20E-2-3578 6/20E- 6/20E-2-4312C	2NR095	B	C6AFO4
2NR04E	NR	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	025	UX	0435	C 6	6/20E-2-3352 6/20E- 6/20E-2-4312D	C 2NR127	B	C6AFO4

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
2RC01E	RC	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	029	MX	0434	C 6	6/20E-2-3541 6/20E- 6/20E-2-4315	2RC003	B	C6AFO4
2RC02E	RC	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	028	SX	0439	C 6	6/20E-2-3551 6/20E- 6/20E-2-4315	C 2RC024	B	C6AFO4
2RC03E	RC	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	024	VX	0439	C 6	6/20E-2-3554 6/20E- 6/20E-2-4315	C 2RC046	B	C6AFO4
2RC04E	RC	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	024	UX	0422	C 6	6/20E-2-3342 6/20E- 6/20E-2-4315	C 2RC066	B	C6AFO4
2RD12E	RD	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	026	SX	0439	C 6	6/20E-2-3353 6/20E- 6/20E-2-4316	C 2RD140	B	C6AFO4
2RD13E	RD	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	026	SX	0439	C 6	6/20E-2-3353 6/20E- 6/20E-2-4317	C 2RD131	B	C6AFO4
2RD15E	RD	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	026	SX	0435	C 6	6/20E-2-3353 6/20E- 6/20E-2-4318	C 2RD164	B	C6AFO4
2RD16E	RD	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	026	SX	0435	C 6	6/20E-2-3353 6/20E- 6/20E-2-4319	C 2RD161	B	C6AFO4
2RD17E	RD	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	026	SX	0435	C 6	6/20E-2-3353 6/20E- 6/20E-2-4320	C 2RD158	B	C6AFO4
2RY04E	RY	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	024	UX	0422	C 6	6/20E-2-3342 6/20E- 6/20E-2-4322A	C 2RY063	B	C6AFO4
2RY05E	RY	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	024	UX	0435	C 6	6/20E-2-3352 6/20E- 6/20E-2-4322B	C 2RY192	B	C6AFO4

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-----	---	-----	-----	-----	BDG	COL	ROW	ELEV	ZONE	-----	---	-----	
2RY06E	RY	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	024	UX	0426	C 6	6/20E-2-3352 6/20E- 6/20E-2-4322C	C 2RY150	B	C6AF04
2RY07E	RY	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	024	UX	0422	C 6	6/20E-2-3342 6/20E- 6/20E-2-4322D	C 2RY099	B	C6AF04
2SI01E	SI	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	026	SX	0422	C 6	6/20E-2-3541 6/20E- 6/20E-2-4324	2SI121	A	C6AF04
2SI02E	SI	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	024	UX	0435	C 6	6/20E-2-3352 6/20E- 6/20E-2-4325	C 2SI097	A	C6AF04
2SI03E	SI	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	026	SX	0422	C 6	6/20E-2-3343 6/20E- 6/20E-2-4326D	2SI089	A	C6AF04
2SI04E	SI	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	024	UX	0435	C 6	6/20E-2-3352 6/20E- 6/20E-2-4327C	C 2SI068	A	C6AF04
2SI05E	SI	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	024	UX	0429	C 6	6/20E-2-3342 6/20E- 6/20E-2-4328A	C 2FW017	A	C6AF04
2SI06E	SI	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	026	PX	0429	C 6	6/20E-2-3353 6/20E- 6/20E-2-4329A	C 2FW019	A	C6AF04
2SI07E	SI	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	026	WX	0429	C 6	6/20E-2-3343 6/20E- 6/20E-2-4330A	2FW023	A	C6AF04
2SI08E	SI	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	025	SX	0418	C 6	6/20E-2-3352 6/20E- 6/20E-2-4331A	C 2FW022	A	C6AF04
2VPO1E	VP	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	028	SX	0422	C 6	6/20E-2-3541 6/20E- 6/20E-2-4333	2VPO02	A	C6AF04

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					BDG	COL	ROW		ELEV				
2VPO2E	VP	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	028	SX	0435	C 6	6/20E-2-3353 6/20E- 6/20E-2-4333	C 2VPO24	A	C6AFO4
2VPO3E	VP	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	024	VX	0439	C 6	6/20E-2-3342 6/20E- 6/20E-2-4333	C 2VPO46	A	C6AFO4
2VPO4E	VP	ELECTRICAL PENETRATION	F/L2804	BRC PENETRATION	CNT	024	UX	0439	C 6	6/20E-2-3352 6/20E- 6/20E-2-4333	C 2VPO70	A	C6AFO4

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C6AFO4

SPEC. NUM.: F/L2804

SYSTEM : RC,VP,AP,RY,RD,SI,LV,IC,CQ,NR

SAFETY CAT: A,B

FUNCTION : SUPPLY POWER TO REACTOR RECIR. PUMP MOTOR &
MAINTAIN CONTAINMENT INTEGRITY.

ENVR ZONE : C 6

COMP/EQUIP: ELECTRICAL PENETRATION

MANUF. : BUNKER RAMO CORPORATION; AMPHENOL NORTH AMERICA DIV.

MODEL SUPP: UNITIZED HEADER ASSEMBLY

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP	
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER	
TEMP DEG F	320	340	TYPE TEST	AMPHENOL REP. NO. 123-2220, DESIGN QUAL. REP. FOR ELECT.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB058 FOR COMPLETE DOCUMENTATION	C6AFO4
PRESS PSIG	50	105	TYPE TEST	RICAL PENETRATION ASSEMBLIES	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	100	100	TYPE TEST	REV. 4, DATED 10/10/79.		
RADIATION	2E08	2E08-3E08	TYPE TEST	AMPHENOL REP. NO. 123-2159, QUAL. TEST PROCEDURE FOR	QUALIFICATION PENDING JUSTIFICATION BY EPED & C&I REGARDING EXCESSIVE CURRENT LEAKAGE DURING	
CHEM SPRAY	0.19GPM/ /SQ.FT.	0.5 GPM/ SQ.FT.	TYPE TEST	NUCLEAR POWER GEN. STA. ELEC. PENET. ASSEMBLIES, DATED 06/01/79.	LOCA.	
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	40 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

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					BDG	COL	ROW						ELEV
1IC19E	IC	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	012	UX	0418	C 6	6/20E-1-3342 6/20E- 6/20E-1-4313	C 1IC153	B	C6AF33
1LV05E	LV	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	010	SX	0422	C 6	6/20E-1-3343 6/20E- 6/20E-1-4307B	1CV127	B	C6AF33
1LV06E	LV	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	011	UX	0435	C 6	6/20E-1-3352 6/20E- 6/20E-1-4308G	C 1AR004	B	C6AF33
1LV07E	LV	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	012	UX	0422	C 6	6/20E-1-3342 6/20E- 6/20E-1-4309A	C 1CQ010	B	C6AF33
1LV08E	LV	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	010	SX	0426	C 6	6/20E-1-3353 6/20E- 6/20E-1-4310F	C 1AR012	B	C6AF33
1LV09E	LV	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	012	SX	0414	C 6	6/20E-1-3342 6/20E- 6/20E-1-4311	C 1AR024	A	C6AF33
1LV10E	LV	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	012	UX	0426	C 6	6/20E-1-3352 6/20E- 6/20E-1-4311	C 1AR029	A	C6AF33
1NR01E	NR	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	011	UX	0418	C 6	6/20E-1-3342 6/20E- 6/20E-1-4312A	C 1NR035	B	C6AF33
1NR02E	NR	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	010	SX	0435	C 6	6/20E-1-3353 6/20E- 6/20E-1-4312B	C 1NR130	B	C6AF33
1NR03E	NR	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	008	SX	0435	C 6	6/20E-1-3578 6/20E- 6/20E-1-4312C	1NR095	B	C6AF33
1NR04E	NR	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	011	UX	0435	C 6	6/20E-1-3352 6/20E- 6/20E-1-4312D	C 1NR127	B	C6AF33

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					BDG	COL	ROW						
1SIO6E	SI	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	010	SX	0418	C 6	6/20E-1-3353 6/20E- 6/20E-1-4329A	C 1FW019	A	C6AF33
1SIO7E	SI	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	008	SX	0439	C 6	6/20E-1-3343 6/20E- 6/20E-1-4330A	1FW023	A	C6AF33
1SIO8E	SI	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	011	UX	0435	C 6	6/20E-1-3352 6/20E- 6/20E-1-4331A	C 1FW022	A	C6AF33
2LV09E	LV	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	025	UX	0417	C 6	6/20E-2-3342 6/20E- 6/20E-	2AR024	A	C6AF33
2LV10E	LV	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	024	UX	0426	C 6	6/20E-2-3352 6/20E- 6/20E-2-4311	2AR029	A	C6AF33

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C6AF33

SPEC. NUM.: F/L2804-01

SYSTEM : SI, LV, NR & IC

SAFETY CAT: A & B

FUNCTION : EXTEND ANALOG SIGNALS, THERMOCOUPLE LEADS,
& MAINTAIN CONTAINMENT INTEGRITY.
ENVR ZONE : C 6

COMP/EQUIP: LOW VOLTAGE SHIELDED INSTRUMENTATION
ELECTRICAL PENETRATION
MANUF. : CONAX CORPORATION

MODEL SUPP: PENETRATION WITHIN A PENETRATION

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION QUALIFICATION	METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	320	395	TYPE TEST	1PS-585.2 'CONAX QUALIFI- CATION OF INSTRUMENTATION	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB036 FOR COMPLETE DOCUMENTATION	C6AF33
PRESS PSIG	50	78	TYPE TEST	SERVICE CLASSIFICATION (BF-LV1) FOR CLASS 1E	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	100	100	TYPE TEST	SERVICE IN BWR & PWR CON- TAINMENT STRUCTURE REV. B,	*CHEM SPRAY (PLT DES)	
RADIATION	2E08	2.15E08	TYPE TEST	DATED 6-23-83		
CHEM SPRAY	SEE REMARKS	SEE REMARKS	TYPE TEST		0.28M, H3BO3, 0.064M, NA2SO3, BUFFERED TO PH OF 10.5 WITH NAOH	
OPE TME MN	CONT.	CONT.	TYPE TEST		*CHEM SPRAY (QUAL.)	
QUAL. LIFE	40 YRS.	40 YRS.	TYPE TEST		6200 PPM BORIC ACID	
SUBMERGENCE	N/A	N/A	N/A		50 PPM HYDRAZINE MONOHYDRATE 50 LBS. TRISODIUM PHOSPHATE	

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					BDG	COL	ROW						
1AP84EA	AP	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	012	UX	0439	C 6	6/20E-1-3352 6/20E- 6/20E-1-4300	C 1VP172	B	C6AF03
1AP84EB	AP	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	011	SX	0414	C 6	6/20E-1-3342 6/20E- 6/20E-1-4300	C 1EW047	B	C6AF03
1AP84EC	AP	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	011	SX	0414	C 6	6/20E-1-3342 6/20E- 6/20E-1-4300	C 1HC006	B	C6AF03
1AP85EA	AP	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	008	SX	0422	C 6	6/20E-1-3541 6/20E- 6/20E-1-4301A	1RF007	B	C6AF03
1AP85EB	AP	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	010	SX	0435	C 6	6/20E-1-3353 6/20E- 6/20E-1-4301B	C 1HC225	B	C6AF03
1AP85EC	AP	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	012	VX	0439	C 6	6/20E-1-3352 6/20E- 6/20E-1-4301C	C 1FH003	B	C6AF03
1AP85ED	AP	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	012	UX	0422	C 6	6/20E-1-3342 6/20E- 6/20E-1-4301D	C 1HC071	B	C6AF03
1CQ01E	CQ	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	AUX	013	WX	0426	C 6	6/20E-1-3352 6/20E- 6/20E-1-4302	C 1PR201	B	C6AF03
1CQ02E	CQ	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	SMT	006	YX	0397	C 6	6/20E-1-3318 6/20E- 6/20E-1-4302	C 1PR203	B	C6AF03
1LV01E	LV	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	011	SX	0422	C 6	6/20E-1-3343 6/20E- 6/20E-1-4303D	1CC098	B	C6AF03
1LV02E	LV	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	012	UX	0414	C 6	6/20E-1-3342 6/20E- 6/20E-1-4304A	C 1CC104	B	C6AF03

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					BDG	COL	ROW						ELEV
1LV03E	LV	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	011	UX	0439	C 6	6/20E-1-3352 6/20E- 6/20E-1-4305D	C 1CC100	B	C6AFO3
1LV04E	LV	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	011	UX	0439	C 6	6/20E-1-3352 6/20E- 6/20E-1-4306A	C 1CV295	B	C6AFO3
1RD12E	RD	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	010	SX	0439	C 6	6/20E-1-3353 6/20E- 6/20E-1-4316A	C 1RD007	B	C6AFO3
1RD13E	RD	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	010	SX	0439	C 6	6/20E-1-3353 6/20E- 6/20E-1-4316A	C 1RD131	B	C6AFO3
1RD15E	RD	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	010	SX	0435	C 6	6/20E-1-3353 6/20E- 6/20E-1-4318A	C 1RD164	B	C6AFO3
1RD16E	RD	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	010	SX	0435	C 6	6/20E-1-3353 6/20E- 6/20E-1-4319A	C 1RD161	B	C6AFO3
1RD17E	RD	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	010	SX	0435	C 6	6/20E-1-3353 6/20E- 6/20E-1-4320A	C 1RD158	B	C6AFO3
1RY04E	RY	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	012	UX	0412	C 6	6/20E-1-3342 6/20E- 6/20E-1-4322A	C 1RY061	B	C6AFO3
1RY05E	RY	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	012	UX	0426	C 6	6/20E-1-3352 6/20E- 6/20E-1-4322B	C 1RY192	B	C6AFO3
1RY06E	RY	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	012	UX	0426	C 6	6/20E-1-3352 6/20E- 6/20E-1-4322C	C 1RY144	B	C6AFO3
1RY07E	RY	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	012	UX	0412	C 6	6/20E-1-3342 6/20E- 6/20E-1-4322D	C 1RY099	B	C6AFO3

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			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV		ZONE	NO.			
1SI01E	SI	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	010	SX	0421	C	6	6/20E-1-3343 6/20E- 6/20E-1-4324	1SI086	A	C6AF03
1SI02E	SI	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	012	UX	0426	C	6	6/20E-1-3352 6/20E- 6/20E-1-4325	C 1CV039	A	C6AF03
1SI03E	SI	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	010	SX	0422	C	6	6/20E-1-3343 6/20E- 6/20E-1-4326C	1SI088	A	C6AF03
1SI04E	SI	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	012	UX	0433	C	6	6/20E-1-3352 6/20E- 6/20E-1-4327C	C 1SI162	A	C6AF03
1SI05E	SI	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	011	UX	0421	C	6	6/20E-1-3342 6/20E- 6/20E-1-4328A	C 1FW017	A	C6AF03
1VPO1E	VP	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT.	008	SX	0422	C	6	6/20E-1-3541 6/20E- 6/20E-1-4333	1VPO04	A	C6AF03
1VPO2E	VP	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	008	SX	0435	C	6	6/20E-1-3353 6/20E- 6/20E-1-4333	C 1VPO26	A	C6AF03
1VPO3E	VP	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	012	UX	0421	C	6	6/20E-1-3342 6/20E- 6/20E-1-4333	C 1VPO48	A	C6AF03
1VPO4E	VP	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	012	UX	0439	C	6	6/20E-1-3352 6/20E- 6/20E-1-4333	C 1VPO70	A	C6AF03

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C6AF03

SPEC. NUM.: F/L2804-01

SYSTEM : VP,AP,RY,RD,SI,CQ,LV

SAFETY CAT: A,B

FUNCTION : PROVIDE ELECTRICAL CONDUCTANCE THRU CONTAINMENT
& MAINTAIN CONTAINMENT INTEGRITY
ENVR ZONE : C 6

COMP/EQUIP: LOW VOLTAGE POWER ELECTRICAL PENETRATION

MANUF. : CONAX CORPORATION

MODEL SUPP: A PENETRATION WITHIN A PENETRATION (CNC)

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	320	320	TYPE TEST	CONAX REPORT IPS-585.3 REV. A, DATED 02/10/81 &	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. CQD-009952 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	C6AF03
PRESS PSIG	50	50	TYPE TEST			
REL HUMID %	100	100	TYPE TEST			
RADIATION	2E08	2E08	TYPE TEST			
CHEM SPRAY	15 GPM: 10.5 PH 24 HR .56 GPM/SQ.FT		TYPE TEST	CHEM SPRAY - PH 10.5		
OPE TME MN	CONT. DUTY	CONT. DUTY	TYPE TEST			
QUAL. LIFE	40 YRS.	40 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

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			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
1RC01E	RC	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	AUX	008	SX	0422	C 6	6/20E-1-3343 6/20E- 6/20E-1-4315	1RC001	B	C6AF32
1RC02E	RC	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	008	SX	0439	C 6	6/20E-1-3353 6/20E- 6/20E-1-4315	C 1RC025	B	C6AF32
1RC03E	RC	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	012	VX	0439	C 6	6/20E-1-3352 6/20E- 6/20E-1-4315	C 1RC046	B	C6AF32
1RC04E	RC	ELECTRICAL PENETRATION	F/L2804 -01	CNC PENETRATION	CNT	011	UX	0414	C 6	6/20E-1-3342 6/20E- 6/20E-1-4315	C 1RC064	B	C6AF32

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C6AF32

SPEC. NUM.: F/L2804-1

SYSTEM : RC

SAFETY CAT: B

FUNCTION : INTERCONNECT CABLES INSIDE & OUTSIDE THE CONTAINMENT &
MAINTAIN CONTAINMENT INTEGRITY.

ENVR ZONE : C 6

COMP/EQUIP: MEDIUM VOLTAGE ELECTRICAL PENETRATION

MANUF. : CONAX CORPORATION

MODEL SUPP: PENETRATION WITHIN A PENETRATION (CNC).

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP	
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER	
TEMP DEG F	320	462	TYPE TEST	IPS-585.5 CONAX QUAL. OF MEDIUM VOLTAGE POWER SERVICE	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB035 FOR COMPLETE DOCUMENTATION	C6AF32
PRESS PSIG	50	71	TYPE TEST	CLASSIFICATION ELECTRICAL PENETRATION ASSEMBLY MODEL	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	100	100	TYPE TEST	CL-MVP (P/N 7551-10000), REV. A, DATED 10/29/82.		
RADIATION	2E08	2.2E08	TYPE TEST			
CHEM SPRAY	*	*	TYPE TEST	*CHEM SPRAY (PLT DES):	*CHEM SPRAY (QUAL.)	
OPE TME MN	CONT.	CONT.	TYPE TEST	3000 PPM BORIC ACID 0.064 M SODIUM THISULFATE	6200 PPM BORON 50 PPM HYDRAZINE	
QUAL. LIFE	40 YRS.	40 YRS.	TYPE TEST	NAOH TO PH= 10.5 @ 77 DEG.F.	NAOH TO PH= 9.94	
SUBMERGENCE	N/A	N/A	N/A			

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			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW				
VARIOUS	XX	INSULATED CABLES	F/L2851	OKO 5KV	VAR					A	C6AF28

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C6AF28

SPEC. NUM.: F/L2851
 SYSTEM : VARIOUS
 SAFETY CA1: A
 FUNCTION : 4KV POWER DISTRIBUTION
 ENVR ZONE : C 6
 COMP/EQUIP: 5KV CABLE
 MANUF. : OKONITE COMPANY
 MODEL SUPP:

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT	PLT DES	QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	320		340	TYPE TEST	LOCA QUALIFICATION REPORT FOR OKOGAURD INSULATED CABLES AND T-95 & T-35, SPLISING TAPES, REPORT NO. NQRN-3,6-23-80. QUALIFICATION OF OKOGAURD EPR INSULATION FOR NUCLEAR PLANT SERVICE FORM-G-3, 09/07/77.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB030 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	C6AF28
PRESS PSIG	50		50	TYPE TEST			
REL HUMID %	100		100	TYPE TEST			
RADIATION	2E08		2E08	TYPE TEST			
CHEM SPRAY	0.19GPM			TYPE TEST			
	/SQ.FT.						
OPE TME MN	CONT.		CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.		40 YRS.	TYPE TEST			
SUBMERGENCE	PASSED		PASSED	TYPE TEST			
	TEST		THE TEST				

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			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW				
N/A		VA SWBD WIRE	F/L2823	RB RSS-400-2	ALL			ALL	C 6	A	C6AE5U

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C6AE5U

SPEC. NUM.: F/L2823

SYSTEM : VARIOUS

SAFETY CAT: A

FUNCTION : DEVICE INTERCONNECTION WIRE

ENVR ZONE : C 6

COMP/EQUIP: SWITCH BOARD WIRE, 600 VOLT

MANUF. : ROCK BESTOS

MODEL SUPP: RSS-400-2

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP	
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER	
TEMP DEG F	320	346	TYPE TEST	1)QUAL. REP. OF FIREWALL 3, CLASS 1E ELECTRIC CABLES, 2-1-77.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB032 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	C6AE5U
PRESS PSIG	50	50	TYPE TEST	2)QUAL. OF FIREWALL 3, CLASS 1E ELECTRIC CABLES, CROSS- LINK INSULATION STATIST- ICAL ANALYSIS OF THERMAL LIFE, ADD TO QR 1807.		
REL HUMID %	100	100	TYPE TEST	3)QUAL. OF FIREWALL 3, COAXIAL CONSTRUCTIONS,	PLT. DES. ----- QUAL.	
RADIATION	2E08	2E08	TYPE TEST	CLASS 1E, REV. 1, 3/15/79.		
CHEM SPRAY	SEE	SEE	TYPE TEST			
REMARKS	REMARKS					
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	40 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

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					BDG	COL	ROW			
N/A		VA COAXIAL CABLE	F/L2919	RBS RSS-6-104 RSS-6-109 RSS-6-113	ALL	ALL	C 6		A	C6AE5T

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C6AE5T

SPEC. NUM.: F/L2919

SYSTEM : VARIOUS

SAFETY CAT: A

FUNCTION : SUPPLY POWER

ENVR ZONE : C 6

COMP/EQUIP: COAX CABLE

MANUF. : RBS

MODEL SUPP: RSS-6-104, RSS-6-109, RSS-6-113

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT	PLT DES	QUALIFICATION	METHOD	QUALIFICATION	DOCUMENT	REFERENCE	REMARKS	COMP
TEMP DEG F	320		482	TYPE TEST	ROCKBESTOS QUAL. TEST REP.			REFER TO ENVIRONMENTAL QUALIFICATION BINDER	CGAEST
PRESS PSIG	50		104	TYPE TEST	FOR COAXIAL CABLE TYPE RSS-6-113, DATED 6/16/80.			NO. EQ-E9039 FOR COMPLETE DOCUMENTATION	
REL HUMID %	100		100	TYPE TEST	ROCKBESTOS REP. NO. 2806, DATED 4/23/82.			PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
RADIATION	2E08		2E08	TYPE TEST	SUPPLEMENT OR NO. 2806S(2), DATED 8/18/82.				
CHEM SPRA	SEE REMARKS	SEE REMARKS		TYPE TEST				PLT. DES.	
DPE TME MN	CONT.	CONT.		TYPE TEST				0.28 M H3B03	
QUAL. LIFE	40 YRS.	40 YRS.		TYPE TEST				0.064 M NA2S203	
SUBMERGENCE	N/A	N/A		N/A				NAOH TO PH=10.5	
								77 DEG.F.	



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VARIOUS	XX	INSTRUMENTA- TION & THER- MOCOUPLE CABLE	F/L2852	SM 1900 SERIES	VAR	C 6			A	C6AF31

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C6AF31

SPEC. NUM.: F/L2852

SYSTEM : VARIOUS

SAFETY CAT: A

FUNCTION : INSTRUMENT INTERCONNECTION CABLE

ENVR ZONE : C 6

COMP/EQUIP: INSTRUMENTATION & THERMOCOUPLE CABLE

MANUF. : SAMUEL MOORE COMPANY

MODEL SUPP: 1900 SERIES

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE		NUMBER
TEMP DEG F	320	340	TYPE TEST	ISOMEDIX QUALIFICATION TEST, DATED JUNE 1978	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. CQD-009696 FOR COMPLETE DOCUMENTATION	C6AF31
PRESS PSIG	50	105	TYPE TEST	RAYCHEM QUALIFICATION F-C 4033-3 JAN. 1975	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	100	100	TYPE TEST			
RADIATION	2E08	2E08	TYPE TEST			
CHEM SPRAY	*	*	TYPE TEST	*CHEM SPRAY (PLT DES):		
OPE TME MN	CONT.	CONT.	TYPE TEST	. 19GPM, 3000PPM, B. RON *CHEM SPRAY (QUAL.)		
QUAL. LIFE	40 YRS.	40 YRS.	TYPE TEST	. 159PM/HTZ		
SUBMERGENCE	N/A	N/A	N/A			

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					BDG	COL	ROW					
1JB005R	CC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0399	C 6			A	C6AF35
1JB006R	CC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0395	C 6			A	C6AF35
1JB009R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0390	C 6			A	C6AF35
1JB010R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0390	C 6			A	C6AF35
1JB011R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0394	C 6			A	C6AF35
1JB012R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0377	C 6			A	C6AF35
1JB066R	RY	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0408	C 6			A	C6AF35
1JB068R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0390	C 6			A	C6AF35
1JB102R	RE SI	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0377	C 6			A	C6AF35
1JB103R	RE	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0390	C 6			A	C6AF35
1JB109R	FW	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0416	C 6			A	C6AF35

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			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW					
1JB127R	RY	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0390	C 6			A	C6AF35
1JB140R	PS	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0377	C 6			A	C6AF35
1JB170R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0401	C 6			A	C6AF35
1JB171R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0401	C 6			A	C6AF35
1JB172R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0401	C 6			A	C6AF35
1JB173R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0390	C 6			A	C6AF35
1JB174R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0403	C 6			A	C6AF35
1JB175R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0401	C 6			A	C6AF35
1JB176R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0401	C 6			A	C6AF35
1JB177R	RC	MARATHON THERMAL BLDCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0377	C 6			A	C6AF35
1JB200R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0401	C 6			A	C6AF35

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					BDG	COL	ROW					
1JB202R	RH	MARATHON SI THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0377	C 6			A	C5AF35
1JB204R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0401	C 6			A	C6AF35
1JB205R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0390	C 6			A	C6AF35
1JB206R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0401	C 6			A	C6AF35
1JB227R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0390	C 6			A	C6AF35
1JB232R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0390	C 6			A	C6AF35
1JB237R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0394	C 6			A	C6AF35
1JB238R	FP	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0391	C 6			A	C6AF35
1JB241R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0401	C 6			A	C6AF35
1JB244R	CV	MARATHON RH THERMAL BLOCKS SI ASSEMBLIES	F/L2790	MAR 1600	CNT		0390	C 6			A	C6AF35
1JB287R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0395	C 6			A	C6AF35

SARGENT & LUNDY ENGINEERS
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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW					
1JB291R	SI	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0392	C 6			A	C6AF35
1JB356R	VQ	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0451	C 6			A	C6AF35
1JB357R	VQ	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0467	C 6			A	C6AF35
1JB377R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0418	C 6			A	C6AF35
1JB381R	RY	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0463	C 6			A	C6AF35
1JB419R	RF	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0422	C 6			A	C6AF35
1JB428R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0377	C 6			A	C6AF35
1JB600R	RY	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0451	C 6			A	C6AF35
1JB562R	FP	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0390	C 6			A	C6AF35
1JB898R	VQ	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0426	C 6			A	C6AF35
1JB899R	VQ	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT		0450	C 6			A	C6AF35

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1JB931R	SI	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT	0364 C 6		A	C6AF35
1JB932R	SI	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT	0364 C 6		A	C6AF35
1JB945R	FW RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT	0377 C 6		A	C6AF35
1JB954R	FW RC RY	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT	0377 C 6		A	C6AF35
1JB958R	FW	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT	0412 C 6		A	C6AF35
1JB959R	FW	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT	0412 C 6		A	C6AF35
1JB960R	FW	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT	0401 C 6		A	C6AF35
1JB961R	FW	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT	0401 C 6		A	C6AF35
2JB005R	CC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT	0391 C 6		A	C6AF35
2JB006R	CC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT	0395 C 6		A	C6AF35
2JB009R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT	0377 C 6		A	C6AF35

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			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW					
2JBO10R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0377 C 6			A	C6AF35
2JBO11R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0383 C 6			A	C6AF35
2JBO12R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0377 C 6			A	C6AF35
2JBO40R	CV IA	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0401 C 6			A	C6AF35
2JBO66R	RY	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0403 C 6			A	C6AF35
2JB102R	RE SI	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0377 C 6			A	C6AF35
2JB103R	RE	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0390 C 6			A	C6AF35
2JB127R	RY	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0377 C 6			A	C6AF35
2JB140R	PS	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0377 C 6			A	C6AF35
2JB170R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0401 C 6			A	C6AF35
2JB171R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0377 C 6			A	C6AF35

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			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW					
2JB172R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0377 C 6			A	C6AF35
2JB173R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0377 C 6			A	C6AF35
2JB174R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0377 C 6			A	C6AF35
2JB175R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0377 C 6			A	C6AF35
2JB176R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0377 C 6			A	C6AF35
2JB177R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0377 C 6			A	C6AF35
2JB200R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0401 C 6			A	C6AF35
2JB202R	RH SI	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0377 C 6			A	C6AF35
2JB204R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0401 C 6			A	C6AF35
2JB205R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0390 C 6			A	C6AF35
2JB206R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0401 C 6			A	C6AF35

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			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW					
2JB227R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0390 C 6			A	C6AF35
2JB232R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0390 C 6			A	C6AF35
2JB237R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0390 C 6			A	C6AF35
2JB238R	FP	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0391 C 6			A	C6AF35
2JB241R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0401 C 6			A	C6AF35
2JB287R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0401 C 6			A	C6AF35
2JB291R	SA	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0392 C 6			A	C6AF35
2JB377R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0401 C 6			A	C6AF35
2JB381R	RY	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0463 C 6			A	C6AF35
2JB419R	RF	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0422 C 6			A	C6AF35
2JB600R	RY	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT			0451 C 6			A	C6AF35

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2JB898R	VQ	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT	0426 C 6		A	C6AF35
2JB899R	VQ	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT	0426 C 6		A	C6AF35
2JB931R	SI	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT	0390 C 6		A	C6AF35
2JB932R	SI	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT	0377 C 6		A	C6AF35
2JB945R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT	0377 C 6		A	C6AF35
2JB950R	FW RC RY	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT	0377 C 6		A	C6AF35
2JB951R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT	0377 C 6		A	C6AF35
2JB952R	FW RC RY	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT	0377 C 6		A	C6AF35
2JB954R	FW RC RY	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR 1600	CNT	0377 C 6		A	C6AF35

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C6AF35

SPEC. NUM.: F/L2790

SYSTEM : VARIOUS

SAFETY CAT: A

FUNCTION : ISOLATION/CONTINUITY OF CONTROL CIRCUITS

ENVR ZONE : C 6

COMP/EQUIP: TERMINAL BLOCK ASSEMBLIES

MANUF. : MARATHON

MODEL SUPP: 1600

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	COMP		
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	REMARKS	NUMBER
TEMP DEG F	: 320 MAX	: 350 MAX	: TYPE TEST	: WYLE TEST REPORTS 45611 & : 17657 & 45603-1.	: REFER TO ENVIRONMENTAL QUALIFICATION BINDER : NO. EQ-BB118 FOR COMPLETE DOCUMENTATION : ASSOCIATED WITH THIS EQUIPMENT.	: C6AF35
PRESS PSIG	: 50	: 50	: TYPE TEST			
REL HUMID %	: 100	: 100	: TYPE TEST			
RADIATION	: 2E08	: 2E08	: TYPE TEST			
CHEM SPRAY	: SEE	: SEE	: TYPE TEST		: CHEM SPRAY (PLT DES) (QUALIFICATION)	
	: REMARKS	: REMARKS				
OPE TME MN	: CONT.	: CONT.	: TEST/ANALYSIS		: 3000 PPM H3BO3 : 30% NAOH : PH 10.5	: 3000 PPM H3BO3 : PH 10.5
QUAL. LIFE	: 40 YRS.	: 40 YRS.	: TEST/ANALYSIS		: PH 8.5-10.5 : .15 GPM / SQ. FT.	: .15 GPM / SQ. FT.
SUBMERGENCE	: N/A	: N/A	: N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW					
1MS001A	MS	HYDRAULIC OPERATOR	F/L2756	A/D HYDRAULIC ACTUATOR	SMT 006	SX	0377	T 3	6/20E-1-3316 6/20E- 6/20E-1-4382E	1MS271	A	T30A16
1MS001B	MS	HYDRAULIC OPERATOR	F/L2756	A/D HYDRAULIC ACTUATOR	SMT 006	ZX	0394	T 3	6/20E-1-3317 6/20E- 6/20E-1-4382F	1MS284	A	T30A16
1MS001C	MS	HYDRAULIC OPERATOR	F/L2756	A/D HYDRAULIC ACTUATOR	SMT 007	ZX	0394	T 3	6/20E-1-3317 6/20E- 6/20E-1-4382G	1MS297	A	T30A16
1MS001D	MS	HYDRAULIC OPERATOR	F/L2756	A/D HYDRAULIC ACTUATOR	SMT 007	SX	0377	T 3	6/20E-1-3316 6/20E- 6/20E-1-4382H	1MS310	A	T30A16
2MS001A	MS	HYDRAULIC OPERATOR	F/L2756	A/D HYDRAULIC ACTUATOR	SMT 030	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4382E	2MS271	A	T30A16
2MS001B	MS	HYDRAULIC OPERATOR	F/L2756	A/D HYDRAULIC ACTUATOR	SMT 029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4382F	2MS279	A	T30A16
2MS001C	MS	HYDRAULIC OPERATOR	F/L2756	A/D HYDRAULIC ACTUATOR	SMT 029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4382G	2MS292	A	T30A16
2MS001D	MS	HYDRAULIC OPERATOR	F/L2756	A/D HYDRAULIC ACTUATOR	SMT 029	SX	397	T 3	6/20E-2-3316 6/20E- 6/20E-	C 2MS305	A	T30A16

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T30A16

SPEC. NUM.: F/L2756
 SYSTEM : MS
 SAFETY CAT: A
 FUNCTION : ISOLATION
 ENVR ZONE : T 3
 COMP/EQUIP: HYDRAULIC OPERATOR
 MANUF. : ANCHOR/DARLING
 MODEL SUPP: S/N E-6105

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER : PLT DES:	QUALIFICATION:	METHOD	DOCUMENT REFERENCE		NUMBER:
TEMP DEG F : 325	: 328	: TYPE TEST	: A/DARLING TEST REPORT NO. : QR-10.	: REFER TO ENVIRONMENTAL QUALIFICATION BINDER : NO. EQ-BB024 FOR COMPLETE DOCUMENTATION : PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	: T30A16:
PRESS PSIG : 19.7	: 19.7	: TYPE TEST	:	:	:
REL HUMID %: 100	: 100	: TYPE TEST	:	:	:
RADIATION : 1E04RAD:	1E06 RADS	: TYPE TEST	:	:	:
CHEM SPRAY : N/A	: N/A	: N/A	:	:	:
OPE TME MN : SHORT.	: INTERMITANT	: TYPE TEST	:	:	:
QUAL. LIFE : 40 YRS.	: 40 YRS.	: TYPE TEST	:	:	:
SUBMERGENCE : N/A	: N/A	: N/A	:	:	:

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO. MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
				BDG	COL	ROW					
1MSO18A	MS	HYDRAULIC OPERATOR	F/L2794-1 B-W ISO VLV	SMT	006	SX	0408 T 3	6/20E-1-3316	C 1MS484	A	T30D22
1MSO18B	MS	HYDRAULIC OPERATOR	F/L2794-1 B-W ISO VLV	SMT	006	ZX	0408 T 3	6/20E-1-3317	C 1MS486	A	T30D22
1MSO18C	MS	HYDRAULIC OPERATOR	F/L2794-1 B-W ISO VLV	SMT	007	ZX	0408 T 3	6/20E-1-3317	C 1MS488	A	T30D22
1MSO18D	MS	HYDRAULIC OPERATOR	F/L2794-1 B-W ISO VLV	SMT	007	SX	0408 T 3	6/20E-1-3316	C 1MS490	A	T30D22
2MSO18A	MS	HYDRAULIC OPERATOR	F/L2794-1 B-W ISO VLV	SMT	030	SX	0408 T 3	6/20E-2-3316	C 2MS484	A	T30D22
2MSO18B	MS	HYDRAULIC OPERATOR	F/L2794-1 B-W ISO VLV	SMT	030	ZX	0408 T 3	6/20E-2-3317	C 2MS486	A	T30D22
2MSO18C	MS	HYDRAULIC OPERATOR	F/L2794-1 B-W ISO VLV	SMT	029	ZX	0408 T 3	6/20E-2-3317	C 2MS488	A	T30D22
2MSO18D	MS	HYDRAULIC OPERATOR	F/L2794-1 B-W ISO VLV	SMT	029	SX	0408 T 3	6/20E-2-3316	C 2MS490	A	T30D22

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T30D22

SPEC. NUM.: F/L2794-1

SYSTEM : MS

SAFETY CAT: A

FUNCTION : RELIEF VALVE

ENVR ZONE : T 3

COMP/EQUIP: HYDRAULIC OPERATOR

MANUF. : BORG WARNER

MODEL SUPP: P/N-85280

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER : PLT DES:QUALIFICATION:	METHOD	DOCUMENT REFERENCE		NUMBER:
TEMP DEG F :	:	:	:	T30D22:
PRESS PSIG :	:	:	:	:
REL HUMID %:	:	:	: INTERIM JUSTIFICATION SENT NRC LETTER 01/10/84:	:
RADIATION :	:	:	: ATTACHMENT E.	:
CHEM SPRAY :	:	:	:	:
OPE TME MN :	:	:	:	:
QUAL. LIFE :	:	:	:	:
SUBMERGENCE:	:	:	:	:

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
1FW009A	FW	HYDRAULIC OPERATOR	F/L2874	B-W P/N38971	SMT	006	SX	0377	T 3	6/20E-1-3316 6/20E- 6/20E-1-4410A	1FW571	A	T30A15
1FW009B	FW	HYDRAULIC OPERATOR	F/L2874	B-W P/N38971	SMT	007	WX	0400	T 3	6/20E-1-5317 6/20E- 6/20E-1-4410B	1FW573	A	T30A15
1FW009C	FW	HYDRAULIC OPERATOR	F/L2874	B-W P/N38971	SMT	006	WX	0400	T 3	6/20E-1-3317 6/20E- 6/20E-1-4410C	1FW581	A	T30A15
1FW009D	FW	HYDRAULIC OPERATOR	F/L2874	B-W P/N38971	SMT	007	SX	0377	T 3	6/20E-1-3316 6/20E- 6/20E-1-4410D	1FW594	A	T30A15
2FW009A	FW	HYDRAULIC OPERATOR	F/L2874	B-W P/N38971	SMT	030	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4410A	2FW571	A	T30A15
2FW009B	FW	HYDRAULIC OPERATOR	F/L2874	B-W P/N38971	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4410B	2FW573	A	T30A15
2FW009C	FW	HYDRAULIC OPERATOR	F/L2874	B-W P/N38971	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4410C	2FW581	A	T30A15
2FW009D	FW	HYDRAULIC OPERATOR	F/L2874	B-W P/N38971	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4410D	2FW595	A	T30A15

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T30A15

SPEC. NUM. F/L2874

SYSTEM : FW

SAFETY CAT: A

FUNCTION : ISOLATION

ENVR ZONE : T 3

COMP/EQUIP: HYDRAULIC OPERATOR

MANUF. : BORG WARNER

MODEL SUPP: P/N-38971

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP	
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER	
TEMP DEG F	325	325	TYPE TEST	BORG WARNER REPORT NO. 1736 DATED 04/28/78.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB025 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	T30A15
PRESS PSIG	19.7	110	TYPE TEST			
REL HUMID %	100	100	TYPE TEST			
RADIATION	1E04	1.2E06	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	SHORT	INTERMITANT	TYPE TEST			
QUAL. LIFE	40 YRS.	1.5 YRS	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						ELEV
1FW04JA	FW	FWIV 1FW009A J/B A-TRAIN 1	F/L2874	B-W JUNCTION BOX	SMT	006	SX	0377	T 3	6/20E-1-3316 6/20E- 6/20E-1-4410A	C 1FW261	B	T30F06
1FW04JB	FW	FWIV 1FW009A J/B B-TRAIN 2	F/L2874	B-W JUNCTION BOX	SMT	006	SX	0377	T 3	6/20E-1-3316 6/20E- 6/20E-1-4410A	C 1FW230	B	T30F06
1FW04JD	FW	FWIV 1FW009A J/B D-POWER	F/L2874	B-W JUNCTION BOX	SMT	006	SX	0377	T 3	6/20E-1-3316 6/20E- 6/20E-1-4410A	C 1FW213	B	T30F06
1FW05JA	FW	FWIV 1FW009B J/B A-TRAIN 1	F/L2874	B-W JUNCTION BOX	SMT	006	ZX	0401	T 3	6/20E-1-3317 6/20E- 6/20E-1-4410B	C 1FW238	B	T30F06
1FW05JB	FW	FWIV 1FW009B J/B B-TRAIN 2	F/L2874	B-W JUNCTION BOX	SMT	006	ZX	0395	T 3	6/20E-1-3317 6/20E- 6/20E-1-4410B	C 1FW217	B	T30F06
1FW05JD	FW	FWIV 1FW009B J/B D-POWER	F/L2874	B-W JUNCTION BOX	SMT	006	ZX	0383	T 3	6/20E-1-3317 6/20E- 6/20E-1-4410B	C 1FW218	B	T30F06
1FW06JA	FW	FWIV 1FW009C J/B A-TRAIN 1	F/L2874	B-W JUNCTION BOX	SMT	007	ZX	0401	T 3	6/20E-1-3317 6/20E- 6/20E-1-4410C	C 1FW247	B	T30F06
1FW06JB	FW	FWIV 1FW009C J/B B-TRAIN 2	F/L2874	B-W JUNCTION BOX	SMT	007	ZX	0395	T 3	6/20E-1-3317 6/20E- 6/20E-1-4410C	C 1FW221	B	T30F06
1FW06JD	FW	FWIV 1FW009C J/B D-POWER	F/L2874	B-W JUNCTION BOX	SMT	007	ZX	0383	T 3	6/20E-1-3317 6/20E- 6/20E-1-4410C	C 1FW222	B	T30F06
1FW07JA	FW	FWIV 1FW009D J/B A-TRAIN 1	F/L2874	B-W JUNCTION BOX	SMT	007	QX	0394	T 3	6/20E-1-3316 6/20E- 6/20E-1-4410D	C 1FW224	B	T30F06
1FW07JB	FW	FWIV 1FW009D J/B B-TRAIN 2	F/L2874	B-W JUNCTION BOX	SMT	007	QX	0377	T 3	6/20E-1-3316 6/20E- 6/20E-1-4410D	C 1FW256	B	T30F06

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
1FW07JD	FW	FWIV 1FW009D J/B D-POWER	F/L2874	B-W JUNCTION BOX	SMT	007	QX	0377	T 3	6/20E-1-3316 6/20E- 6/20E-1-4410D	C 1FW225	B	T30F06
2FW04JA	FW	FWIV 2FW009A J/B A-TRAIN 1	F/L2874	B-W JUNCTION BOX	SMT	030	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4410A	2FW214	B	T30F06
2FW04JB	FW	FWIV 2FW009A J/B B-TRAIN 2	F/L2874	B-W JUNCTION BOX	SMT	030	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4410A	2FW230	B	T30F06
2FW04JD	FW	FWIV 2FW009A J/B D-POWER	F/L2874	B-W JUNCTION BOX	SMT	030	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4410A	2FW213	B	T30F06
2FW05JA	FW	FWIV 2FW009B J/B A-TRAIN 1	F/L2874	B-W JUNCTION BOX	SMT	030	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4410B	2FW238	B	T30F06
2FW05JB	FW	FWIV 2FW009B J/B B-TRAIN 2	F/L2874	B-W JUNCTION BOX	SMT	030	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4410B	2FW217	B	T30F06
2FW05JD	FW	FWIV 2FW009B J/B D-POWER	F/L2874	B-W JUNCTION BOX	SMT	030	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4410B	2FW218	B	T30F06
2FW06JA	FW	FWIV 2FW009C J/B A-TRAIN 1	F/L2874	B-W JUNCTION BOX	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4410C	2FW247	B	T30F06
2FW06JB	FW	FWIV 2FW009C J/B B-TRAIN 2	F/L2874	B-W JUNCTION BOX	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4410C	2FW221	B	T30F06
2FW06JD	FW	FWIV 2FW009C J/B D-POWER	F/L2874	B-W JUNCTION BOX	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4410C	2FW222	B	T30F06
2FW07JA	FW	FWIV 2FW009D J/B A-TRAIN	F/L2874	B-W JUNCTION BOX	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4410D	2FW224	B	T30F06

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
2FWO7JB	FW	FWIV 2FWO09D J/B B-TRAIN	F/L2874	B-W JUNCTION BOX	SMT	029	SX	0377	T 3		6/20E-2-3316 6/20E- 6/20E-2-4410D	2FW256	B	T30F06
2FWO7JD	FW	FWIV 2FWO09D J/B D-POWER	F/L2874	B-W JUNCTION BOX	SMT	029	SX	0377	T 3		6/20E-2-3316 6/20E- 6/20E-2-4410D	2FW225	B	T30F06

SARGENT & LUNDY ENGINEERS
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T30F06

SPEC. NUM.: F/L2874
 SYSTEM : FW
 SAFETY CAT: A
 FUNCTION : FW ISOLATION
 ENVR ZONE : T 3
 COMP/EQUIP: JUNCTION BOX
 MANUF. : BORG WARNER
 MODEL SUPP:

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	325	325	TYPE TEST	BORG WARNER REPORT NO. 1736 DATED 04/28/78.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB025 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	T30F06
PRESS PSIG	19.7	110	TYPE TEST			
REL HUMID %	100	100	TYPE TEST			
RADIATION	1E04	1.2E06	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	1.5 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---	ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
1MS03JA	MS	MSIV 1MS001A J/B A-TRAIN 1	F/L2756	CTN TB BRX CC SME IC	TYPE:NU-2	SMT 006 SX 0377 T 3	6/20E-1-3316 6/20E- 6/20E-1-4382E	C 1MS518	B	T30F05
1MS03JB	MS	MSIV 1MS001A J/B B-TRAIN 2	F/L2756	CTN TB BRX CC SME IC	TYPE:NU-2	SMT 006 SX 0377 T 3	6/20E-1-3316 6/20E- 6/20E-1-4382E	C 1MS270	B	T30F05
1MS04JA	MS	MSIV 1MS001B J/B A-TRAIN 1	F/L2756	CTN TB BRX CC SME IC	TYPE:NU-2	SMT 007 ZX 0401 T 3	6/20E-1-3317 6/20E- 6/20E-1-4382E	C 1MS278	B	Y30F05
1MS04JB	MS	MSIV 1MS001B J/B B-TRAIN 2	F/L2756	CTN TB BRX CC SME IC	TYPE:NU-2	SMT 007 ZX 0377 T 3	6/20E-1-3317 6/20E- 6/20E-1-4382F	C 1MS520	B	T30F05
1MS05JA	MS	MSIV 1MS001C J/B A-TRAIN 1	F/L2756	CTN TB BRX CC SME IC	TYPE:NU-2	SMT 007 ZX 0401 T 3	6/20E-1-3317 6/20E- 6/20E-1-4382G	C 1MS291	B	T30F05
1MS05JB	MS	MSIV 1MS001C J/B B-TRAIN 2	F/L2756	CTN TB BRX CC SME IC	TYPE:NU-2	SMT 006 ZX 0377 T 3	6/20E-1-3317 6/20E- 6/20E-1-4382G	C 1MS522	B	T30F05
1MS06JA	MS	MSIV 1MS001D J/B A-TRAIN 1	F/L2756	CTN TB BRX CC SME IC	TYPE:NU-2	SMT 007 SX 0377 T 3	6/20E-1-3316 6/20E- 6/20E-1-4382H	C 1MS526	B	T30F05
1MS06JB	MS	MSIV 1MS001D J/B B-TRAIN 2	F/L2756	CTN TB BRX CC SME IC	TYPE:NU-2	SMT 007 SX 0377 T 3	6/20E-1-3316 6/20E- 6/20E-1-4382H	C 1MS309	B	T30F05
2MS03JA	MS	MSIV 2MS001A J/B A-TRAIN 1	F/L2756	CTN TB BRX CC SME IC	TYPE:NU-2	SMT 030 SX 0377 T 3	6/20E-2-3316 6/20E- 6/20E-2-4382E	2MS518	B	T30F05
2MS03JB	MS	MSIV 2MS001A J/B B-TRAIN 2	F/L2756	CTN TB BRX CC SME IC	TYPE:NU-2	SMT 030 SX 0377 T 3	6/20E-2-3316 6/20E- 6/20E-2-4382E	2MS270	B	T30F05
2MS04JA	MS	MSIV 2MS001B J/B B-TRAIN 2	F/L2756	CTN TB BRX CC SME IC	TYPE:NU-2	SMT 029 ZX 0377 T 3	6/20E- 6/20E- 6/20E-	2MS566	B	T30F05

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER			
					BDG	COL	ROW						ELEV	ZONE	
2MS04JB	MS	MSIV 2MS001B J/B C-MISC	F/L2756	CTN TB BRX CC SME IC	TYPE:NU-2	SMT	029	ZX	0377	T	3	6/20E-2-3317 6/20E- 6/20E-2-4382F	2MS520	B	T30F05
2MS05JA	MS	MSIV 2MS001C J/B A-TRAIN 1	F/L2756	CTN TB BRX CC SME IC	TYPE:NU-2	SMT	029	ZX	0377	T	3	6/20E-2-3317 6/20E- 6/20E-2-4382G	2MS297	B	T30F05
2MS05JB	MS	MSIV 2MS001C J/B B-TRAIN 2	F/L2756	CTN TB BRX CC SME IC	TYPE:NU-2	SMT	030	ZX	0377	T	3	6/20E-2-3317 6/20E- 6/20E-2-4382G	2MS522	B	T30F05
2MS06JA	MS	MSIV 2MS001D J/B A-TRAIN 1	F/L2756	CTN TB BRX CC SME IC	TYPE:NU-2	SMT	029	SX	0377	T	3	6/20E-2-3316 6/20E- 6/20E-2-4383H	2MS526	B	T30F05
2MS06JB	MS	MSIV 2MS001D J/B B-TRAIN 2	F/L2756	CTN TB BRX CC SME IC	TYPE:NU-2	SMT	029	SX	0377	T	3	6/20E-2-3316 6/20E- 6/20E-2-4382H	2MS310	B	T30F05

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T30F05

SPEC. NUM.: F/L2756

SYSTEM : MS

SAFETY CAT: A

FUNCTION : RELIEF VALVE

ENVR ZONE : T 3

COMP/EQUIP: JUNCTION BOX

MANUF. : CTN/BRX/SME

MODEL SUPP: TB TYPE NU-2

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	PLT DES	QUALIFICATION	METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	325	325	TYPE TEST	ANCHOR DARLING TEST REPORT NO. QR-10.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB024 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	T30F05
PRESS PSIG	19.7	19.7	TYPE TEST			
REL HUMID %	100	100	TYPE TEST			
RADIATION	1E04RAD	1E06 RADS	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS.	40 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
1FWO35A	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	007	SX	0377	T 3	6/20E-1-3316 6/20E- 6/20E-1-4415M	1FW438	A	T30C01
1FWO35A	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	007	SX	0377	T 3	6/20E-1-3316 6/20E- 6/20E-1-4415M	1FW442	A	T30C01
1FWO35B	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	007	ZX	0387	T 3	6/20E-1-3317 6/20E- 6/20E-1-4415J	1FW454	A	T30C01
1FWO35B	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	007	ZX	0387	T 3	6/20E-1-3317 6/20E- 6/20E-1-4415J	1FW458	A	T30C01
1FWO35C	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	008	ZX	0388	T 3	6/20E-1-3317 6/20E- 6/20E-1-4415J	1FW455	A	T30C01
1FWO35C	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	008	ZX	0388	T 3	6/20E-1-3317 6/20E- 6/20E-1-4415J	1FW459	A	T30C01
1FWO35D	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	007	QX	0377	T 3	6/20E-1-3316 6/20E- 6/20E-1-4415M	1FW439	A	T30C01
1FWO35D	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	007	QX	0377	T 3	6/20E-1-3316 6/20E- 6/20E-1-4415M	1FW443	A	T30C01
1FWO43A	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	007	SX	0377	T 3	6/20E-1-3316 6/20E- 6/20E-1-4415L	1FW515	A	T30C01
1FWO43A	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	007	SX	0377	T 3	6/20E-1-3316 6/20E- 6/20E-1-4415L	1FW535	A	T30C01
1FWO43B	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	007	YX	0380	T 3	6/20E-1-3317 6/20E- 6/20E-1-4415P	1FW561	A	T30C01

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
1FWO43B	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	007	YX	0380	T 3	6/20E-1-3317 6/20E- 6/20E-1-4415P	1FW557	A	T30C01
1FWO43C	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	008	ZX	0390	T 3	6/20E-1-3317 6/20E- 6/20E-1-4415K	1FW562	A	T30C01
1FWO43C	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	008	ZX	0390	T 3	6/20E-1-3317 6/20E- 6/20E-1-4415K	1FW558	A	T30C01
1FWO43D	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	007	SX	0377	T 3	6/20E-1-3316 6/20E- 6/20E-1-4415L	1FW536	A	T30C01
1FWO43D	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	007	SX	0377	T 3	6/20E-1-3316 6/20E- 6/20E-1-4415L	1FW532	A	T30C01
1MS101A	MS	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	SX	0377	T 3	6/20E-1-3316 6/20E- 6/20E-1-4382E	1MS320	A	T30C01
1MS101B	MS	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	SX	0377	T 3	6/20E-1-3317 6/20E- 6/20E-1-4382E	1MS325	A	T30C01
1MS101C	MS	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	SX	0377	T 3	6/20E-1-3317 6/20E- 6/20E-1-4382E	1MS330	A	T30C01
1MS101C	MS	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	SX	0377	T 3	6/20E-1-3317 6/20E- 6/20E-1-4382E	1MS332	A	T30C01
1MS101D	MS	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	SX	0377	T 3	6/20E-1-3316 6/20E- 6/20E-1-4382E	1MS335	A	T30C01
1MS101D	MS	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	SX	0377	T 3	6/20E-1-3316 6/20E- 6/20E-1-4382E	1MS337	A	T30C01

SARGENT & LUNDY ENGINEERS
COMPONENT QUALIFICATION DIVISION

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	---	LOCATION	---	ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
1SD002A	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	SX	0377 T 3	6/20E-1-3316 6/20E- 6/20E-1-4833E	1SD015	A	T30C01
1SD002A	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	SX	0377 T 3	6/20E-1-3316 6/20E- 6/20E-1-4833E	1SD005	A	T30C01
1SD002B	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	SX	0377 T 3	6/20E-1-3316 6/20E- 6/20E-1-4833E	1SD006	A	T30C01
1SD002B	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	SX	0377 T 3	6/20E-1-3316 6/20E- 6/20E-1-4833E	1SD019	A	T30C01
1SD002C	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	SX	0377 T 3	6/20E-1-3316 6/20E- 6/20E-1-4833E	1SD031	A	T30C01
1SD002C	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	SX	0377 T 3	6/20E-1-3316 6/20E- 6/20E-1-4833E	1SD009	A	T30C01
1SD002D	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	SX	0377 T 3	6/20E-1-3316 6/20E- 6/20E-1-4833E	1SD035	A	T30C01
1SD002D	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	SX	0377 T 3	6/20E-1-3316 6/20E- 6/20E-1-4833E	1SD010	A	T30C01
1SD002E	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	ZX	0380 T 3	6/20E-1-3317 6/20E- 6/20E-1-4833C	1SD043	A	T30C01
1SD002E	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	ZX	0380 T 3	6/20E-1-3317 6/20E- 5/20E-1-4833C	1SD052	A	T30C01
1SD002F	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	ZX	0380 T 3	6/20E-1-3317 6/20E- 6/20E-1-4833C	1SD044	A	T30C01

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
1SD002F	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	ZX	0380	T 3	6/20E-1-3317 6/20E- 6/20E-1-4833C	1SD056	A	T30C01
1SD002G	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	ZX	0380	T 3	6/20E-1-3317 6/20E- 6/20E-1-4833D	1SD047	A	T30C01
1SD002G	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	ZX	0380	T 3	6/20E-1-3317 6/20E- 6/20E-1-4833D	1SD068	A	T30C01
1SD002H	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	ZX	0380	T 3	6/20E-1-3317 6/20E- 6/20E-1-4833D	1SD048	A	T30C01
1SD002H	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	ZX	0380	T 3	6/20E-1-3317 6/20E- 6/20E-1-4833D	1SD072	A	T30C01
1SD005A	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	SX	0377	T 3	6/20E-1-3316 6/20E- 6/20E-1-4833E	1SD023	A	T30C01
1SD005A	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	SX	0377	T 3	6/20E-1-3316 6/20E- 6/20E-1-4833E	1SD007	A	T30C01
1SD005B	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	SX	0377	T 3	6/20E-1-3316 6/20E- 6/20E-1-4833E	1SD008	A	T30C01
1SD005B	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	SX	0377	T 3	6/20E-1-3316 6/20E- 6/20E-1-4833E	1SD027	A	T30C01
1SD005C	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	ZX	0383	T 3	6/20E-1-3317 6/20E- 6/20E-1-4833C	1SD045	A	T30C01
1SD005C	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	ZX	0383	T 3	6/20E-1-3317 6/20E- 6/20E-1-4833C	1SD060	A	T30C01

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
1SD005D	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	ZX	0383	T 3	6/20E-1-3317 6/20E- 6/20E-1-4833D	1SD064	A	T30C01
1SD005D	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	ZX	0383	T 3	6/20E-1-3317 6/20E- 6/20E-1-4833D	1SD046	A	T30C01
2FW035A	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	030	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4415M	2FW442	A	T30C01
2FW035A	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	030	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4415M	2FW442	A	T30C01
2FW035B	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4415J	2FW450	A	T30C01
2FW035B	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4415J	2FW450	A	T30C01
2FW035C	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4415J	2FW451	A	T30C01
2FW035C	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4415J	2FW451	A	T30C01
2FW035D	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	QX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4415M	2FW443	A	T30C01
2FW035D	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	QX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4415M	2FW443	A	T30C01
2FW040A	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4415L	2FW484	A	T30C01

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						ELEV
2FWO40A	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4415L	2FW484	A	T30C01
2FWO40B	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4415P	2FW500	A	T30C01
2FWO40B	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4415P	2FW500	A	T30C01
2FWO40C	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4415K	2FW501	A	T30C01
2FWO40C	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4415K	2FW501	A	T30C01
2FWO40D	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4415L	2FW475	A	T30C01
2FWO40D	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4415L	2FW475	A	T30C01
2FWO43A	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	030	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4415L	2FW515	A	T30C01
2FWO43A	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	030	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4415L	2FW515	A	T30C01
2FWO43B	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4415P	2FW551	A	T30C01
2FWO43B	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4415P	2FW551	A	T30C01

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---				ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW	ELEV					
2FWO43C	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4415K	2FW562	A	T30C01
2FWO43C	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4415K	2FW562	A	T30C01
2FWO43D	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4415N	2FW536	A	T30C01
2FWO43D	FW	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4415N	2FW536	A	T30C01
2MS101A	MS	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	030	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4382C	2MS322	A	T30C01
2MS101A	MS	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	030	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4382C	2MS322	A	T30C01
2MS101A	MS	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	SX	0377	T 3	6/20E-1-3316 6/20E- 6/20E-1-4382E	1MS322	A	T30C01
2MS101B	MS	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	030	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4382C	2MS327	A	T30C01
2MS101B	MS	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	030	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4382C	2MS327	A	T30C01
2MS101B	MS	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	006	SX	0377	T 3	6/20E-1-3317 6/20E- 6/20E-1-4382E	1MS327	A	T30C01
2MS101C	MS	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4382D	2MS332	A	T30C01

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
2MS101C	MS	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4382D	2MS332	A	T30C01
2MS101D	MS	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4382D	2MS337	A	T30C01
2MS101D	MS	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4382D	2MS337	A	T30C01
2SD002A	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	030	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD005	A	T30C01
2SD002A	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	030	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD005	A	T30C01
2SD002A	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	030	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD005	A	T30C01
2SD002B	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	030	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD006	A	T30C01
2SD002B	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	030	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD006	A	T30C01
2SD002B	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	030	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD006	A	T30C01
2SD002C	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD009	A	T30C01
2SD002C	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD009	A	T30C01

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC.ND.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
2SD002C	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD009	A	T30C01
2SD002D	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD010	A	T30C01
2SD002D	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD010	A	T30C01
2SD002D	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD010	A	T30C01
2SD002E	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD043	A	T30C01
2SD002E	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD043	A	T30C01
2SD002E	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD043	A	T30C01
2SD002F	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD044	A	T30C01
2SD002F	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD044	A	T30C01
2SD002F	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD044	A	T30C01
2SD002G	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD047	A	T30C01

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION --- BDG COL ROW ELEV ZONE	ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
2SD002G	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT 029 ZX 0377 T 3		6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD047	A	T30C01
2SD002G	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT 029 ZX 0377 T 3		6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD047	A	T30C01
2SD002H	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT 029 ZX 0377 T 3		6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD048	A	T30C01
2SD002H	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT 029 ZX 0377 T 3		6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD048	A	T30C01
2SD002H	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT 029 ZX 0377 T 3		6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD048	A	T30C01
2SD005A	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT 030 SX 0377 T 3		6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD007	A	T30C01
2SD005A	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT 030 SX 0377 T 3		6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD007	A	T30C01
2SD005A	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT 030 SX 0377 T 3		6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD007	A	T30C01
2SD005B	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT 029 SX 0377 T 3		6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD008	A	T30C01
2SD005B	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT 029 SX 0377 T 3		6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD008	A	T30C01
2SD005B	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT 029 SX 0377 T 3		6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD008	A	T30C01

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						
2SD005C	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD045	A	T30C01
2SD005C	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD045	A	T30C01
2SD005C	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD045	A	T30C01
2SD005D	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD046	A	T30C01
2SD005D	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD046	A	T30C01
2SD005D	SD	SOLENOID	F/L2793	ASC NP-8320A186E	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD046	A	T30C01

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T30C01

SPEC. NUM.: F/L2793
 SYSTEM : SD,FW,MS
 SAFETY CAT: A
 FUNCTION :
 ENVR ZONE : T-3
 COMP/EQUIP: SOLENOID OPERATED VALVE
 MANUF. : ASCO
 MODEL SUPP: NP8320A186E

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP	
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	NUMBER	
TEMP DEG F	325	348	TYPE TEST	ASCO TEST REPORT NO. AQR 67368, REV. 0, DATED 03-02-82.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB026 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	T30C01
PRESS PSIG	28	56	TYPE TEST			
REL HUMID %	100	100/STEAM	TYPE TEST			
RADIATION	1E04	2.05E08	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT./ INTER.	CONT./ INTER.	TYPE TEST			
QUAL. LIFE	40 YRS	40.0 YRS	TYPE TEST		40 YEARS LIFE IS BASED UPON REPLACING THE ELASTOMERS AND SOLENOID COILS BASED ON AMBIENT TEMPERATURE.	
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW					
1MS001A	MS	ISOLATION GATE VALVE	F/L2756	A/D 30X24X30 MSIV	TUN			0377 T 3	N/A	N/A	N/A	T30B05
1MS001B	MS	ISOLATION GATE VALVE	F/L2756	A/D 30X24X30 MSIV	TUN			0394 T 3	N/A	N/A	N/A	T30B05
1MS001C	MS	ISOLATION GATE VALVE	F/L2756	A/D 30X24X30 MSIV	TUN			0394 T 3	N/A	N/A	N/A	T30B05
1MS001D	MS	ISOLATION GATE VALVE	F/L2756	A/D 30X24X30 MSIV	TUN			0377 T 3	N/A	N/A	N/A	T30B05
2MS001A	MS	ISOLATION GATE VALVE	F/L2756	A/D 30X24X30 MSIV	TUN			0377 T 3	N/A	N/A	N/A	T30B05
2MS001B	MS	ISOLATION GATE VALVE	F/L2756	A/D 30X24X30 MSIV	TUN			0377 T 3	N/A	N/A	N/A	T30B05
2MS001C	MS	ISOLATION GATE VALVE	F/L2756	A/D 30X24X30 MSIV	TUN			0377 T 3	N/A	N/A	N/A	T30B05
2MS001D	MS	ISOLATION GATE VALVE	F/L2756	A/D 30X24X30 MSIV	TUN			0377 T 3	N/A	N/A	N/A	T30B05

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T30B05

SPEC. NUM.: F/L2756

SYSTEM : MS

SAFETY CAT: A

FUNCTION : ISOLATION VALVE

ENVR ZONE : T 3

COMP/EQUIP: ISOLATION GATE VALVE

MANUF. : ANCHOR-DARLING

MODEL SUPP: 30X24X30MSIV

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT		QUALIFICATION		QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE		NUMBER
TEMP DEG F	579	1200	ANALYSIS	SEE REMARKS	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB043 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	T30B05
PRESS PSIG	1318	2500	ANALYSIS			
REL HUMID %	100	100	ANALYSIS			
RADIATION	1E04	1E10	ANALYSIS			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	ANALYSIS			
QUAL. LIFE	40 YRS	40 YRS.	ANALYSIS			
SUBMERGENCE	N/A	N/A	N/A			

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			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW					
1FWO36A		FW RELIEF VALVE	F/L2718-1	A/G 900CUIB	TUN			0385 T 3	N/A	N/A	N/A	T30B02
1FWO36B		FW RELIEF VALVE	F/L2718-1	A/G 900CUIB	TUN			0387 T 3	N/A	N/A	N/A	T30B02
1FWO36C		FW RELIEF VALVE	F/L2718-1	A/G 900CUIB	TUN			0387 T 3	N/A	N/A	N/A	T30B02
1FWO36D		FW RELIEF VALVE	F/L2718-1	A/G 900CUIB	TUN			0387 T 3	N/A	N/A	N/A	T30B02
2FWO36A		FW RELIEF VALVE	F/L2718-1	A/G 900CUIB	TUN			0385 T 3	N/A	N/A	N/A	T30B02
2FWO36B		FW RELIEF VALVE	F/L2718-1	A/G 900CUIB	TUN			0387 T 3	N/A	N/A	N/A	T30B02
2FWO36C		FW RELIEF VALVE	F/L2718-1	A/G 900CUIB	TUN			0387 T 3	N/A	N/A	N/A	T30B02
2FWO36D		FW RELIEF VALVE	F/L2718-1	A/G 900CUIB	TUN			0387 T 3	N/A	N/A	N/A	T30B02

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T30B02

SPEC. NUM.: F/ 2718-1

SYSTEM : 1

SAFETY CAT: A

FUNCTION : RELIEF VALVE

ENVR ZONE : T 3

COMP/EQUIP: RELIEF VALVES

MANUF. : ANDERSON-GREENWOOD

MODEL SUPP: 900 CUIB

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	PLT DES	QUALIFICATION	METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	325	325	ANALYSIS	SEE REMARKS	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB042 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	T30B02
PRESS PSIG	28	50	ANALYSIS			
REL HUMID %	50-100	100	ANALYSIS			
RADIATION	1E04	2E08	ANALYSIS			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	ANALYSIS			
QUAL. LIFE	40 YRS	40 YRS.	ANALYSIS			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW					
1FW009A	FW	ISOLATION GATE VALVE	F/L2874	B/W 16X10X16X 900LB	TUN		0377	T 3	N/A	N/A	N/A	T30B19
1FW009B	FW	ISOLATION GATE VALVE	F/L2874	B/W 16X10X16X 900LB	TUN		0377	T 3	N/A	N/A	N/A	T30B19
1FW009C	FW	ISOLATION GATE VALVE	F/L2874	B/W 16X10X16X 900LB	TUN		0377	T 3	N/A	N/A	N/A	T30B19
1FW009D	FW	ISOLATION GATE VALVE	F/L2874	B/W 16X10X16X 900LB	TUN		0377	T 3	N/A	N/A	N/A	T30B19
2FW009A	FW	ISOLATION GATE VALVE	F/L2874	B/W 16X10X16X 900LB	TUN		0377	T 3	N/A	N/A	N/A	T30B19
2FW009B	FW	ISOLATION GATE VALVE	F/L2874	B/W 16X10X16X 900LB	TUN		0377	T 3	N/A	N/A	N/A	T30B19
2FW009C	FW	ISOLATION GATE VALVE	F/L2874	B/W 16X10X16X 900LB	TUN		0377	T 3	N/A	N/A	N/A	T30B19
2FW009D	FW	ISOLATION GATE VALVE	F/L2874	B/W 16X10X16X 900LB	TUN		0377	T 3	N/A	N/A	N/A	T30B19

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T30B19

SPEC. NUM.: F/L2874

SYSTEM : FW

SAFETY CAT: B

FUNCTION : ISOLATE CONTAINMENT

ENVR ZONE : T 3

COMP/EQUIP: ISOLATION GATE VALVE

MANUF. : BORG WARNER

MODEL SUPP: 16X 10X 16X900LB

FOR PLANT DESIGN REFERENCE REFER TO TABL C OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	445	1200	ANALYSIS	SEE REMARKS	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB051 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	T30B19
PRESS PSIG	1750	2000	ANALYSIS			
REL HUMID %	100	100	ANALYSIS			
RADIATION	1E04	1.5E09	ANALYSIS			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	ANALYSIS			
QUAL. LIFE	40 YRS	40 YRS.	ANALYSIS			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW					
1MSO13A	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06
1MSO13B	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06
1MSO13C	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06
1MSO13D	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06
1MSO14A	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06
1MSO14B	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06
1MSO14C	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06
1MSO14D	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06
1MSO15A	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06
1MSO15B	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06
1MSO15C	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW					
1MSO15D	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06
1MSO16A	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06
1MSO16B	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06
1MSO16C	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06
1MSO16D	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06
1MSO17A	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06
1MSO17B	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06
1MSO17C	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06
1MSO17D	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06
2MSO13A	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06
2MSO13B	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW					
2MSO13C	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06
2MSO13D	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06
2MSO14A	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06
2MSO14B	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06
2MSO14C	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06
2MSO14D	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06
2MSO15A	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06
2MSO15B	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06
2MSO15C	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06
2MSO15D	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06
2MSO16A	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN			0405 T 3	N/A	N/A	N/A	T30B06

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NG	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW					
2MSO16B	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN		0405	T 3	N/A	N/A	N/A	T30B06
2MSO16C	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN		0405	T 3	N/A	N/A	N/A	T30B06
2MSO16D	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN		0405	T 3	N/A	N/A	N/A	T30B06
2MSO17A	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN		0405	T 3	N/A	N/A	N/A	T30B06
2MSO17B	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN		0405	T 3	N/A	N/A	N/A	T30B06
2MSO17C	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN		0405	T 3	N/A	N/A	N/A	T30B06
2MSO17D	MS	ISOLATION RELIEF VALVE	F/L2761	DRE 3707R	TUN		0405	T 3	N/A	N/A	N/A	T30B06

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T30B06

SPEC. NUM.: F/L2761
 SYSTEM : MS
 SAFETY CAT: A
 FUNCTION : RELIEF VALVE
 ENVR ZONE : T 3
 COMP/EQUIP: ISOLATION RELIEF VALVE
 MANUF. : DRESSER
 MODEL SUPP: 3707R

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIO'JS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	COMP
PARAMETER : PLT DES	QUALIFICATION :	METHOD :	DOCUMENT REFERENCE :	NUMBER :
TEMP DEG F : 325	SEE	SEE	N/A	T30B06
REMARKS :	REMARKS :	REMARKS :	REMARKS :	REMARKS :
PRESS PSIG : 28				
REL HUMID %: 50-100				
RADIATION : 1E04				
CHEM SPRAY : N/A				
OPE TME MN : CONT.				
QUAL. LIFE : 40 YRS				
SUBMERGENCE: N/A				

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SARGENT & LUNDY ENGINEERS
COMPONENT QUALIFICATION DIVISION

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW					
1FWO35A	FW	GLOBE CONTROL VALVE	F/L2793	MSN 3IN.-4000	TUN		0377	T 3	N/A	N/A	N/A	T30B08
1FWO35B	FW	GLOBE CONTROL VALVE	F/L2793	MSN 3IN.-4000	TUN		0387	T 3	N/A	N/A	N/A	T30B08
1FWO35C	FW	GLOBE CONTROL VALVE	F/L2793	MSN 3IN.-4000	TUN		0387	T 3	N/A	N/A	N/A	T30B08
1FWO35D	FW	GLOBE CONTROL VALVE	F/L2793	MSN 3IN.-4000	TUN		0377	T 3	N/A	N/A	N/A	T30B08
1FWO43A	FW	GLOBE CONTROL VALVE	F/L2793	MSN 3IN.-4000	TUN		0377	T 3	N/A	N/A	N/A	T30B08
1FWO43B	FW	GLOBE CONTROL VALVE	F/L2793	MSN 3IN.-4000	TUN		0380	T 3	N/A	N/A	N/A	T30B08
1FWO43C	FW	GLOBE CONTROL VALVE	F/L2793	MSN 3IN.-4000	TUN		0390	T 3	N/A	N/A	N/A	T30B08
1FWO43D	FW	GLOBE CONTROL VALVE	F/L2793	MSN 3IN.-4000	TUN		0377	T 3	N/A	N/A	N/A	T30B08
1SD002A	SD	GLOBE CONTROL VALVE	F/L2793	MSN 2.38-20771	TUN		0377	T 3	N/A	N/A	N/A	T30B08
1SD002B	SD	GLOBE CONTROL VALVE	F/L2793	MSN 2.38-20771	TUN		0377	T 3	N/A	N/A	N/A	T30B08
1SD002C	SD	GLOBE CONTROL VALVE	F/L2793	MSN 2.38-20771	TUN		0377	T 3	N/A	N/A	N/A	T30B08

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW					
1SD002D	SD	GLOBE CONTROL VALVE	F/L2793	MSN 2.38-20771	TUN			0377	T 3	N/A	N/A	T30B08
1SD002E	SD	GLOBE CONTROL VALVE	F/L2793	MSN 2.38-20771	TUN			0380	T 3	N/A	N/A	T30B08
1SD002F	SD	GLOBE CONTROL VALVE	F/L2793	MSN 2.38-20771	TUN			0380	T 3	N/A	N/A	T30B08
1SD002G	SD	GLOBE CONTROL VALVE	F/L2793	MSN 2.38-20771	TUN			0380	T 3	N/A	N/A	T30B08
1SD002H	SD	GLOBE CONTROL VALVE	F/L2793	MSN 2.38-20771	TUN			0380	T 3	N/A	N/A	T30B08
1SD005A	SD	GLOBE CONTROL VALVE	F/L2793	MSN 3/8-38-20571	TUN			0377	T 3	N/A	N/A	T30B08
1SD005B	SD	GLOBE CONTROL VALVE	F/L2793	MSN 3/8-38-20571	TUN			0377	T 3	N/A	N/A	T30B08
1SD005C	SD	GLOBE CONTROL VALVE	F/L2793	MSN 3/8-38-20571	TUN			0383	T 3	N/A	N/A	T30B08
1SD005D	SD	GLOBE CONTROL VALVE	F/L2793	MSN 3/8-38-20571	TUN			0383	T 3	N/A	N/A	T30B08
2FW035A	FW	GLOBE CONTROL VALVE	F/L2793	MSN 3IN.-4000	TUN			0377	T 3	N/A	N/A	T30B08
2FW035B	FW	GLOBE CONTROL VALVE	F/L2793	MSN 3IN.-4000	TUN			0377	T 3	N/A	N/A	T30B08

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
					BDG	COL	ROW					
2FWO35C	FW	GLOBE CONTROL VALVE	F/L2793	MSN 3IN. -4000	TUN		0377	T 3	N/A	N/A	N/A	T30B08
2FWO35D	FW	GLOBE CONTROL VALVE	F/L2793	MSN 3IN. -4000	TUN		0377	T 3	N/A	N/A	N/A	T30B08
2FWO43A	FW	GLOBE CONTROL VALVE	F/L2793	MSN 3IN. -4000	TUN		0377	T 3	N/A	N/A	N/A	T30B08
2FWO43B	FW	GLOBE CONTROL VALVE	F/L2793	MSN 3IN. -4000	TUN		0377	T 3	N/A	N/A	N/A	T30B08
2FWO43C	FW	GLOBE CONTROL VALVE	F/L2793	MSN 3IN. -4000	TUN		0377	T 3	N/A	N/A	N/A	T30B08
2FWO43D	FW	GLOBE CONTROL VALVE	F/L2793	MSN 3IN. -4000	TUN		0377	T 3	N/A	N/A	N/A	T30B08
2SD002A	SD	GLOBE CONTROL VALVE	F/L2793	MSN 2-38-20721	TUN		0377	T 3	N/A	N/A	N/A	T30B08
2SD002B	SD	GLOBE CONTROL VALVE	F/L2793	MSN 2-38-20721	TUN		0377	T 3	N/A	N/A	N/A	T30B08
2SD002C	SD	GLOBE CONTROL VALVE	F/L2793	MSN 2-38-20721	TUN		0377	T 3	N/A	N/A	N/A	T30B08
2SD002D	SD	GLOBE CONTROL VALVE	F/L2793	MSN 2-38-20721	TUN		0377	T 3	N/A	N/A	N/A	T30B08
2SD002E	SD	GLOBE CONTROL VALVE	F/L2793	MSN 2-38-20721	TUN		0377	T 3	N/A	N/A	N/A	T30B08

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	PDG	COL	ROW					
2SD002F	SD	GLOBE CONTROL VALVE	F/L2793	MSN 2-38-20721	TUN			0377 T 3	N/A	N/A	N/A	T30B08
2SD002G	SD	GLOBE CONTROL VALVE	F/L2793	MSN 2-38-20721	TUN			0377 T 3	N/A	N/A	N/A	T30B08
2SD005A	SD	GLOBE CONTROL VALVE	F/L2793	MSN 3/8-38-20571	TUN			0377 T 3	N/A	N/A	N/A	T30B08
2SD005B	SD	GLOBE CONTROL VALVE	F/L2793	MSN 3/8-38-20571	TUN			0377 T 3	N/A	N/A	N/A	T30B08
2SD005C	SD	GLOBE CONTROL VALVE	F/L2793	MSN 3/8-38-20571	TUN			0377 T 3	N/A	N/A	N/A	T30B08
2SD005D	SD	GLOBE CONTROL VALVE	F/L2793	MSN 3/8-38-20571	TUN			0377 T 3	N/A	N/A	N/A	T30B08

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T30B08

SPEC. NUM.: F/L2793

SYSTEM : SD,FW

SAFETY CAT: A

FUNCTION : BLOWDOWN CONTROL

ENVR ZONE : T 3

COMP/EQUIP: GLOBE CONTROL VALVE

MANUF. : MASONEILAN

MODEL SUPP: 2''-38-2072 ; 3/8''-38-20571

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION QUALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	562	950	ANALYSIS	SEE REMARKS	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB046 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	T30B08
PRESS PSIG	120	2000	ANALYSIS			
REL HUMID %	50-100	100	ANALYSIS			
RADIATION	1E04	1.5E09	ANALYSIS			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	ANALYSIS			
QUAL. LIFE	40 YRS	40 YRS.	ANALYSIS			
SUBMERGENCE	N/A	N/A	N/A			

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					BDG	COL	ROW					
1MSO18A	MS	RELIEF VALVE	F/L2785	WKM 70-19.6IN. 9C	TUN			0405 T 3	N/A	N/A	N/A	T30B07
1MSO18B	MS	RELIEF VALVE	F/L2785	WKM 70-19.6IN. 9C	TUN			0405 T 3	N/A	N/A	N/A	T30B07
1MSO18C	MS	RELIEF VALVE	F/L2785	WKM 70-19.6IN. 9C	TUN			0405 T 3	N/A	N/A	N/A	T30B07
1MSO18D	MS	RELIEF VALVE	F/L2785	WKM 70-19.6IN. 9C	TUN			0405 T 3	N/A	N/A	N/A	T30B07
2MSO18A	MS	RELIEF VALVE	F/L2785	WKM 70-19.6IN. 9C	TUN			0405 T 3	N/A	N/A	N/A	T30B07
2MSO18B	MS	RELIEF VALVE	F/L2785	WKM 70-19.6IN. 9C	TUN			0405 T 3	N/A	N/A	N/A	T30B07
2MSO18C	MS	RELIEF VALVE	F/L2785	WKM 70-19.6IN. 9C	TUN			0405 T 3	N/A	N/A	N/A	T30B07
2MSO18D	MS	RELIEF VALVE	F/L2785	WKM 70-19.6IN. 9C	TUN			0405 T 3	N/A	N/A	N/A	T30B07

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T30B07

SPEC. NUM.: F/L2785
 SYSTEM : MS
 SAFETY CAT: A
 FUNCTION : RELIEF VALVE
 ENVR ZONE : T 3
 COMP/EQUIP: ATMOSPHERIC RELIEF VALVE
 MANUF. : WKM -DIV. OF ACF
 MODEL SUPP: 70-19.6 IN. 9C

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE		NUMBER
TEMP DEG F	600	600	ANALYSIS	SEE REMARKS	REFER TO ENVIRONMENTAL QUALIFICATION BINDER	T30B07
PRESS PSIG	1185	1185	ANALYSIS		NO. EQ-BB045 FOR COMPLETE DOCUMENTATION	
REL HUMID %	100	100	ANALYSIS		PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
RADIATION	1E04	1E04	ANALYSIS			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	ANALYSIS			
QUAL. LIFE	40 YRS.	40 YRS.	ANALYSIS			
SUBMERGENCE	N/A	N/A	N/A			

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---					ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE					
1FW009A		FW LIMIT SWITCH	F/L2874	NAM EA18011302	SMT	006	SX	0377	T	3	6/20E-1-3316 6/20E- 6/20E-1-4410A	1FW571	A	T30D19
1FW009A		FW LIMIT SWITCH	F/L2874	NAM EA18014302	SMT	006	SX	0377	T	3	6/20E-1-3316 6/20E- 6/20E-1-4410A	1FW571	A	T30D19
1FW009A		FW LIMIT SWITCH	F/L2874	NAM EA18015302	SMT	006	SX	0377	T	3	6/20E-1-3316 6/20E- 6/20E-1-4410A	1FW571	A	T30D19
1FW009A		FW LIMIT SWITCH	F/L2874	NAM EA18012302	SMT	006	SX	0377	T	3	6/20E-1-3316 6/20E- 6/20E-1-4410A	1FW571	A	T30D19
1FW009B		FW LIMIT SWITCH	F/L2874	NAM EA18014302	SMT	007	WX	0400	T	3	6/20E-1-3317 6/20E- 6/20E-1-4410B	1FW573	A	T30D19
1FW009B		FW LIMIT SWITCH	F/L2874	NAM EA18011302	SMT	007	WX	0400	T	3	6/20E-1-3317 6/20E- 6/20E-1-4410B	1FW573	A	T30D19
1FW009B		FW LIMIT SWITCH	F/L2874	NAM EA18015302	SMT	007	WX	0400	T	3	6/20E-1-3317 6/20E- 6/20E-1-4410B	1FW573	A	T30D19
1FW009B		FW LIMIT SWITCH	F/L2874	NAM EA18012302	SMT	007	WX	0400	T	3	6/20E-1-3317 6/20E- 6/20E-1-4410B	1FW573	A	T30D19
1FW009C		FW LIMIT SWITCH	F/L2874	NAM EA18015302	SMT	006	WX	0400	T	3	6/20E-1-3317 6/20E- 6/20E-1-4410C	1FW581	A	T30D19
1FW009C		FW LIMIT SWITCH	F/L2874	NAM EA18011302	SMT	006	WX	0400	T	3	6/20E-1-3317 6/20E- 6/20E-1-4410C	1FW581	A	T30D19
1FW009C		FW LIMIT SWITCH	F/L2874	NAM EA18014302	SMT	006	WX	0400	T	3	6/20E-1-3317 6/20E- 6/20E-1-4410C	1FW581	A	T30D19

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC.ND.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV						ZONE
1FW009C		FW LIMIT SWITCH	F/L2874	NAM EA18012302	SMT	006	WX	0400	T 3		6/20E-1-3317 6/20E- 6/20E-1-4410C	1FW581	A	T30D19
1FW009D		FW LIMIT SWITCH	F/L2874	NAM EA18011302	SMT	007	SX	0377	T 3		6/20E-1-3316 6/20E- 6/20E-1-4410D	1FW594	A	T30D19
1FW009D		FW LIMIT SWITCH	F/L2874	NAM EA18012302	SMT	007	SX	0377	T 3		6/20E-1-3316 6/20E- 6/20E-1-4410D	1FW594	A	T30D19
1FW009D		FW LIMIT SWITCH	F/L2874	NAM EA18014302	SMT	007	SX	0377	T 3		6/20E-1-3316 6/20E- 6/20E-1-4410D	1FW594	A	T30D19
1FW009D		FW LIMIT SWITCH	F/L2874	NAM EA18015302	SMT	007	SX	0377	T 3		6/20E-1-3316 6/20E- 6/20E-1-4410D	1FW594	A	T30D19
1MS001A		MS LIMIT SWITCH	F/L2756	NAM EA18031302	AUX	006	SX	0377	T 3			1MS564	A	T30D19
1MS001A		MS LIMIT SWITCH	F/L2756	NAM EA18031302	AUX	006	SX	0377	T 3			1MS271	A	T30D19
1MS001A		MS LIMIT SWITCH	F/L2756	NAM EA18031302	AUX	006	SX	0377	T 3			1MS266	A	T30D19
1MS001A		MS LIMIT SWITCH	F/L2756	NAM EA18032302	AUX	006	SX	0377	T 3			1MS565	A	T30D19
1MS001A		MS LIMIT SWITCH	F/L2756	NAM EA18032302	AUX	006	SX	0377	T 3			1MS268	A	T30D19
1MS001A		MS LIMIT SWITCH	F/L2756	NAM EA18032302	AUX	006	SX	0377	T 3			1MS267	A	T30D19

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW					
1MS001B		MS LIMIT SWITCH	F/L2756	NAM EA18031302	AUX	006	ZX	0377	T 3	1MS284	A	T30D19
1MS001B		MS LIMIT SWITCH	F/L2756	NAM EA18031302	AUX	006	ZX	0377	T 3	1MS567	A	T30D19
1MS001B		MS LIMIT SWITCH	F/L2756	NAM EA18031302	AUX	006	ZX	0377	T 3	1MS279	A	T30D19
1MS001B		MS LIMIT SWITCH	F/L2756	NAM EA18032302	AUX	006	ZX	0377	T 3	1MS281	A	T30D19
1MS001B		MS LIMIT SWITCH	F/L2756	NAM EA18032302	AUX	006	ZX	0377	T 3	1MS566	A	T30D19
1MS001B		MS LIMIT SWITCH	F/L2756	NAM EA18032302	AUX	006	ZX	0377	T 3	1MS280	A	T30D19
1MS001C		MS LIMIT SWITCH	F/L2756	NAM EA18031302	AUX	007	ZX	0394	T 3	1MS570	A	T30D19
1MS001C		MS LIMIT SWITCH	F/L2756	NAM EA18031302	AUX	007	ZX	0394	T 3	1MS297	A	T30D19
1MS001C		MS LIMIT SWITCH	F/L2756	NAM EA18031302	AUX	007	ZX	0394	T 3	1MS292	A	T30D19
1MS001C		MS LIMIT SWITCH	F/L2756	NAM EA18032302	AUX	007	ZX	0394	T 3	1MS294	A	T30D19
1MS001C		MS LIMIT SWITCH	F/L2756	NAM EA18032302	AUX	007	ZX	0394	T 3	1MS569	A	T30D19

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			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW						ELEV
1MS001C		MS LIMIT SWITCH	F/L2756	NAM EA18032302	AUX	007	ZX	0394	T 3	1MS293	A	T30D19	
1MS001D		MS LIMIT SWITCH	F/L2756	NAM EA18031302	AUX	007	SX	0377	T 3	1MS571	A	T30D19	
1MS001D		MS LIMIT SWITCH	F/L2756	NAM EA18031302	AUX	007	SX	0377	T 3	1MS310	A	T30D19	
1MS001D		MS LIMIT SWITCH	F/L2756	NAM EA18031302	AUX	007	SX	0377	T 3	1MS305	A	T30D19	
1MS001D		MS LIMIT SWITCH	F/L2756	NAM EA18032302	AUX	007	SX	0377	T 3	1MS307	A	T30D19	
1MS001D		MS LIMIT SWITCH	F/L2756	NAM EA18032302	AUX	007	SX	0377	T 3	1MS572	A	T30D19	
1MS001D		MS LIMIT SWITCH	F/L2756	NAM EA18032302	AUX	007	SX	0377	T 3	1MS306	A	T30D19	
1MS018A		MS LIMIT SWITCH	F/L2794-1	NAM EA18031302	SMT	006	SX	0408	T 3	6/20E-1-13316	1MS579	A	T30D19
1MS018B		MS LIMIT SWITCH	F/L2794-1	NAM EA18031312	SMT	006	ZX	0408	T 3	6/20E-1-13317	1MS607	A	T30D19
1MS018C		MS LIMIT SWITCH	F/L2794-1	NAM EA18031302	SMT	007	ZX	0408	T 3	6/20E-1-13317	1MS625	A	T30D19
1MS018D		MS LIMIT SWITCH	F/L2794-1	NAM EA18031302	SMT	007	SX	0408	T 3	6/20E-1-13316	1MS596	A	T30D19

SARGENT & LUNDY ENGINEERS
 COMPONENT QUALIFICATION DIVISION

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 REVISION : 0

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	RJW	ELEV						ZONE
1MS101A		MS LIMIT SWITCH	F/L2793	NAM EA18012302	SMT	006	SX	0377	T 3		6/20E-1-3316 6/20E- 6/20E-1-4382E	1MS323	A	T30D19
1MS101B		MS LIMIT SWITCH	F/L2793	NAM EA18012302	SMT	006	SX	0377	T 3		6/20E-1-3317 6/20E- 6/20E-1-4382E	1MS328	A	T30D19
1MS101C		MS LIMIT SWITCH	F/L2793	NAM EA18012302	SMT	006	SX	0377	T 3		6/20E-1-3317 6/20E- 6/20E-1-4382E	1MS333	A	T30D19
1MS101C		MS LIMIT SWITCH	F/L2793	NAM EA18011302	SMT	006	SX	0377	T 3		6/20E-1-3317 6/20E- 6/20E-1-4382E	1MS334	A	T30D19
1MS101D		MS LIMIT SWITCH	F/L2793	NAM EA18012302	SMT	006	SX	0377	T 3		6/20E-1-3316 6/20E- 6/20E-1-4382E	1MS338	A	T30D19
1MS101D		MS LIMIT SWITCH	F/L2793	NAM EA18011302	SMT	006	SX	0377	T 3		6/20E-1-3316 6/20E- 6/20E-1-4382E	1MS339	A	T30D19
1SD002A		SD LIMIT SWITCH	F/L2793	NAM EA18011302	SMT	006	SX	0377	T 3		6/20E-1-3316 6/20E- 6/20E-1-4833E	1SD014	A	T30D19
1SD002A		SD LIMIT SWITCH	F/L2793	NAM EA18012302	SMT	006	SX	0377	T 3		6/20E-1-3316 6/20E- 6/20E-1-4833E	1SD016	A	T30D19
1SD002B		SD LIMIT SWITCH	F/L2793	NAM EA18011302	SMT	006	SX	0377	T 3		6/20E-1-3316 6/20E- 6/20E-1-4833E	1SD018	A	T30D19
1SD002B		SD LIMIT SWITCH	F/L2793	NAM EA18012302	SMT	006	SX	0377	T 3		6/20E-1-3316 6/20E- 6/20E-1-4833E	1SD020	A	T30D19
1SD002C		SD LIMIT SWITCH	F/L2793	NAM EA18011302	SMT	006	SX	0377	T 3		6/20E-1-3316 6/20E- 6/20E-1-4833E	1SD030	A	T30D19

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	LOCATION --- ENVR	BDG COL ROW ELEV ZONE	WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER
1SD002C	SD	LIMIT SWITCH	F/L2793	NAM EA18012302	SMT 006 SX	0377 T 3	6/20E-1-3316 6/20E- 6/20E-1-4833E	15D032	A	T30D19
1SD002D	SD	LIMIT SWITCH	F/L2793	NAM EA18011302	SMT 006 SX	0377 T 3	6/20E-1-3316 6/20E- 6/20E-1-4833E	15D034	A	T30D19
1SD002D	SD	LIMIT SWITCH	F/L2793	NAM EA18012302	SMT 006 SX	0377 T 3	6/20E-1-3316 6/20E- 6/20E-1-4833E	15D036	A	T30D19
1SD002E	SD	LIMIT SWITCH	F/L2793	NAM EA18011302	SMT 006 ZX	0380 T 3	6/20E-1-3317 6/20E- 6/20E-1-4833C	15D051	A	T30D19
1SD002E	SD	LIMIT SWITCH	F/L2793	NAM EA18012302	SMT 006 ZX	0380 T 3	6/20E-1-3317 6/20E- 6/20E-1-4833C	15D053	A	T30D19
1SD002F	SD	LIMIT SWITCH	F/L2793	NAM EA18011302	SMT 006 ZX	0380 T 3	6/20E-1-3317 6/20E- 6/20E-1-4833C	15D055	A	T30D19
1SD002F	SD	LIMIT SWITCH	F/L2793	NAM EA18012302	SMT 006 ZX	0380 T 3	6/20E-1-3317 6/20E- 6/20E-1-4833C	15D057	A	T30D19
1SD002G	SD	LIMIT SWITCH	F/L2793	NAM EA18011302	SMT 006 ZX	0380 T 3	6/20E-1-3317 6/20E- 6/20E-1-4833D	15D067	A	T30D19
1SD002G	SD	LIMIT SWITCH	F/L2793	NAM EA18012302	SMT 006 ZX	0380 T 3	6/20E-1-3317 6/20E- 6/20E-1-4833D	15D069	A	T30D19
1SD002H	SD	LIMIT SWITCH	F/L2793	NAM EA18011302	SMT 006 ZX	0380 T 3	6/20E-1-3317 6/20E- 6/20E-1-4833D	15D071	A	T30D19
1SD002H	SD	LIMIT SWITCH	F/L2793	NAM EA18012302	SMT 006 ZX	0380 T 3	6/20E-1-3317 6/20E- 6/20E-1-4833D	15D073	A	T30D19



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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O55B CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
1SD005A		SD LIMIT SWITCH	F/L2793	NAM EA18011302	SMT	006	SX	0377	T 3	6/20E-1-3316 6/20E- 6/20E-1-4833E	1SD022	A	T30D19
1SD005A		SD LIMIT SWITCH	F/L2793	NAM EA18012302	SMT	006	SX	0377	T 3	6/20E-1-3316 6/20E- 6/20E-1-4833E	1SD024	A	T30D19
1SD005B		SD LIMIT SWITCH	F/L2793	NAM EA18011302	SMT	006	SX	0377	T 3	6/20E-1-3316 6/20E- 6/20E-1-4833E	1SD026	A	T30D19
1SD005B		SD LIMIT SWITCH	F/L2793	NAM EA18012302	SMT	006	SY	0377	T 3	6/20E-1-3316 6/20E- 6/20E-1-4833E	1SD028	A	T30D19
1SD005C		SD LIMIT SWITCH	F/L2793	NAM EA18011302	SMT	006	ZX	0383	T 3	6/20E-1-3317 6/20E- 6/20E-1-4833C	1SD059	A	T30D19
1SD005C		SD LIMIT SWITCH	F/L2793	NAM EA18012302	SMT	006	ZX	0383	T 3	6/20E-1-3317 6/20E- 6/20E-1-4833C	1SD061	A	T30D19
1SD005D		SD LIMIT SWITCH	F/L2793	NAM EA18011302	SMT	006	ZX	0383	T 3	6/20E-1-3317 6/20E- 6/20E-1-4833D	1SD063	A	T30D19
1SD005D		SD LIMIT SWITCH	F/L2793	NAM EA18012302	SMT	006	ZX	0383	T 3	6/20E-1-3317 6/20E- 6/20E-1-4833D	1SD065	A	T30D19
2FW009A		FW LIMIT SWITCH	F/L2874	NAM EA18011302	SMT	030	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4410A	2FW571	A	T30D19
2FW009A		FW LIMIT SWITCH	F/L2874	NAM EA18012302	SMT	030	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4410A	2FW571	A	T30D19
2FW009A		FW LIMIT SWITCH	F/L2874	NAM EA18014302	SMT	030	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4410A	2FW571	A	T30D19

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					BDG	COL	ROW						
2FW009A		FW LIMIT SWITCH	F/L2874	NAM EA18015302	SMT	030	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4410A	2FW571	A	T30D19
2FW009B		FW LIMIT SWITCH	F/L2874	NAM EA18011302	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4410B	2FW573	A	T30D19
2FW009B		FW LIMIT SWITCH	F/L2874	NAM EA18012302	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4410B	2FW573	A	T30D19
2FW009B		FW LIMIT SWITCH	F/L2874	NAM EA18014302	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4410B	2FW573	A	T30D19
2FW009B		FW LIMIT SWITCH	F/L2874	NAM EA18015302	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4410B	2FW573	A	T30D19
2FW009C		FW LIMIT SWITCH	F/L2874	NAM EA18011302	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4410C	2FW581	A	T30D19
2FW009C		FW LIMIT SWITCH	F/L2874	NAM EA18012302	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4410C	2FW581	A	T30D19
2FW009C		FW LIMIT SWITCH	F/L2874	NAM EA18014302	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4410C	2FW581	A	T30D19
2FW009C		FW LIMIT SWITCH	F/L2874	NAM EA18015302	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4410C	2FW581	A	T30D19
2FW009D		FW LIMIT SWITCH	F/L2874	NAM EA18011302	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4410D	2FW595	A	T30D19
2FW009D		FW LIMIT SWITCH	F/L2874	NAM EA18012302	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4410D	2FW595	A	T30D19

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
2FW009D		FW LIMIT SWITCH	F/L2874	NAM EA18014302	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4410D	2FW595	A	T30D19
2FW009D		FW LIMIT SWITCH	F/L2874	NAM EA18015302	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4410D	2FW595	A	T30D19
2MS018A		MS LIMIT SWITCH	F/L2794-1	NAM EA18032302	SMT	006	SX	0408	T 3	6/20E-1-13316	1MS578	A	T30D19
2MS018B		MS LIMIT SWITCH	F/L2794-1	NAM EA18032302	SMT	006	ZX	0408	T 3	6/20E-1-13317	1MS608	A	T30D19
2MS018C		MS LIMIT SWITCH	F/L2794-1	NAM EA18032302	SMT	007	ZX	0408	T 3	6/20E-1-13317	1MS624	A	T30D19
2MS018D		MS LIMIT SWITCH	F/L2794-1	NAM EA18032302	SMT	007	SX	0408	T 3	6/20E-1-13316	1MS595	A	T30D19
2MS101A		MS LIMIT SWITCH	F/L2793	NAM EA18011302	SMT	006	SX	0377	T 3	6/20E-1-3316 6/20E- 6/20E-1-4382E	1MS324	A	T30D19
2MS101A		MS LIMIT SWITCH	F/L2793	NAM EA18011302	SMT	030	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4382C	2MS322	A	T30D19
2MS101A		MS LIMIT SWITCH	F/L2793	NAM EA18012302	SMT	030	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4382C	2MS322	A	T30D19
2MS101B		MS LIMIT SWITCH	F/L2793	NAM EA18011302	SMT	030	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4382C	2MS327	A	T30D19
2MS101B		MS LIMIT SWITCH	F/L2793	NAM EA18012302	SMT	030	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4382C	2MS327	A	T30D19

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
2MS101B		MS LIMIT SWITCH	F/L2793	NAM EA18011302	SMT	006	SX	0377	T 3	6/20E-1-3317 6/20E- 6/20E-1-4382E	1MS329	A	T30D19
2MS101C		MS LIMIT SWITCH	F/L2793	NAM EA18011302	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4382D	2MS332	A	T30D19
2MS101C		MS LIMIT SWITCH	F/L2793	NAM EA18012302	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4382D	2MS332	A	T30D19
2MS101D		MS LIMIT SWITCH	F/L2793	NAM EA18011302	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4382D	2MS337	A	T30D19
2MS101D		MS LIMIT SWITCH	F/L2793	NAM EA18012302	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4382D	2MS337	A	T30D19
2SD002A		SD LIMIT SWITCH	F/L2793	NAM EA18011302	SMT	030	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD005	A	T30D19
2SD002A		SD LIMIT SWITCH	F/L2793	NAM EA18012302	SMT	030	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD005	A	T30D19
2SD002B		SD LIMIT SWITCH	F/L2793	NAM EA18011302	SMT	030	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD006	A	T30D19
2SD002B		SD LIMIT SWITCH	F/L2793	NAM EA18012302	SMT	030	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD006	A	T30D19
2SD002C		SD LIMIT SWITCH	F/L2793	NAM EA18011302	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD009	A	T30D19
2SD002C		SD LIMIT SWITCH	F/L2793	NAM EA18012302	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD009	A	T30D19

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
2SD002D		SD LIMIT SWITCH	F/L2793	NAM EA18011302	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD010	A	T30D19
2SD002D		SD LIMIT SWITCH	F/L2793	NAM EA18012302	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD010	A	T30D19
2SD002E		SD LIMIT SWITCH	F/L2793	NAM EA18011302	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD043	A	T30D19
2SD002E		SD LIMIT SWITCH	F/L2793	NAM EA18012302	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD043	A	T30D19
2SD002F		SD LIMIT SWITCH	F/L2793	NAM EA18011302	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD044	A	T30D19
2SD002F		SD LIMIT SWITCH	F/L2793	NAM EA18012302	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD044	A	T30D19
2SD002G		SD LIMIT SWITCH	F/L2793	NAM EA18011302	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD047	A	T30L19
2SD002G		SD LIMIT SWITCH	F/L2793	NAM EA18012302	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD047	A	T30D19
2SD002H		SD LIMIT SWITCH	F/L2793	NAM EA18011302	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- G/20E-2-4833E	2SD048	A	T30D19
2SD002H		SD LIMIT SWITCH	F/L2793	NAM EA18012302	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD048	A	T30D19
2SD005A		SD LIMIT SWITCH	F/L2793	NAM EA18011302	SMT	030	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD007	A	T30D19

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						ELEV
2SD005A		SD LIMIT SWITCH	F/L2793	NAM EA18012302	SMT	030	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD007	A	T30D19
2SD005B		SD LIMIT SWITCH	F/L2793	NAM EA18011302	SMT	029	SX	0377	T 3	6/2CE-2-3316 6/20E- 6/20E-2-4833E	2SD008	A	T30D19
2SD005B		SD LIMIT SWITCH	F/L2793	NAM EA18012302	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD008	A	T30D19
2SD005C		SD LIMIT SWITCH	F/L2793	NAM EA18011302	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD045	A	T30D19
2SD005C		SD LIMIT SWITCH	F/L2793	NAM EA18012302	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD045	A	T30D19
2SD005D		SD LIMIT SWITCH	F/L2793	NAM EA18011302	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD046	A	T30D19
2SD005D		SD LIMIT SWITCH	F/L2793	NAM EA18012302	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD046	A	T30D19

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T30D19

SPEC. NUM.: F/L2793,F/L2874,F/L2756

SYSTEM : MS,SD,FW

SAFETY CAT: A

FUNCTION : PROVIDE VALVE POSITION INDICATION

ENVR ZONE : T 3

COMP/EQUIP: LIMIT SWITCH / VALVE

MANUF. : NAMCO CONTROLS

MODEL SUPP: EA180 SERIES.

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	COMP		
PARAMETER	PLT DES	QUALIFICATION	METHOD	DOCUMENT REFERENCE	REMARKS	NUMBER
TEMP DEG F	325	340	TYPE TEST	NAMCO CONTROL'S REPORT	REFER TO ENVIRONMENTAL QUALIFICATION BINDER	T30D19
				QTR-105, REV. 1	NO. EQ-BB015 FOR COMPLETE DOCUMENTATION	
PRESS PSIG	28	80	TYPE TEST	DATED 08/28/80.	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	100	100	TYPE TEST			
RADIATION	1E04	2.04E08	TYPE TEST			
CHEM SPRAY	N/A	0.15GPM/SQ.FT	TYPE TEST			
		PH 10 TO 11				
OPE TME MN	CONT.	CONT.	TYPE TEST			
QUAL. LIFE	40 YRS	40.0 YRS*	TYPE TEST		*40 YRS. QUAL. BASED ON PERFORMING LUBRICATION:	
					EVERY 4.5 YRS. & REPLACEMENT OF ELASTOMERIC	
SUBMERGENCE	N/A	N/A	N/A		PARTS. REPLAC. INTERVAL FOR ELAS. COMP. IS	
					DEPENDENT ON AIR/FNT TEMP. SEE EQ-BB015 TAB E.	

SARGENT & LUNDY ENGINEERS
 COMPONENT QUALIFICATION DIVISION

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 REVISION : 0

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ CABLE NO/		O588 CAT.	COMPUTER NUMBER	
			SPEC.NO.	MFG TYPE/MODEL	BDG	COL	ROW		ELEV	ZONE			WIRING DIAGRAM NO.
1PT -514	FW	PRESSURE TRANSMITTER	F/L2702	BRN 763	SMT	006	QX	0377	T 3	6/20E-1-3316 6/20E-1-4030 MS02 6/20E-1-4109J	C 1MS098	A	T30E43
1PT -515	FW	PRESSURE TRANSMITTER	F/L2702	BRN 763	SMT	006	QX	0377	T 3	6/20E-1-3316 6/20E-1-4030 MS05 6/20E-1-4109J	C 1MS115	A	T30E43
1PT -516	FW	PRESSURE TRANSMITTER	F/L2702	BRN 763	SMT	006	QX	0377	T 3	6/20E-1-3316 6/20E-1-4031 MS10 6/20E-1-4108E	1MS127 1PL79JB	A	T30E43
1PT -524	FW	PRESSURE TRANSMITTER	F/L2702	BRN 763	SMT	006	ZX	0377	T 3	6/20E-1-3317 6/20E-1-4030 MS02 6/20E-1-41C9M	C 1MS102	A	T30E43
1PT -525	FW	PRESSURE TRANSMITTER	F/L2702	BRN 763	SMT	006	ZX	0377	T 3	6/20E-1-3317 6/20E-1-4030 MS06 6/20E-1-4108B	C 1MS118 1PL77JC	A	T30E43
1PT -526	FW	PRESSURE TRANSMITTER	F/L2702	BRN 763	SMT	006	ZX	0377	T 3	6/20E-1-3317 6/20E-1-4031 MS09 6/20E-1-4109J	1MS125	A	T30E43
1PT -534	FW	PRESSURE TRANSMITTER	F/L2702	BRN 763	SMT	007	ZX	0377	T 3	6/20E-1-3317 6/20E-1-4030 MS04 6/20E-1-4190M	C 1MS106	A	T30E43
1PT -535	FW	PRESSURE TRANSMITTER	F/L2702	BRN 763	SMT	007	ZX	0377	T 3	6/20E-1-3317 6/20E-1-4030 MS07 6/20E-1-4108B	C 1MS121 1PL77JC	A	T30E43
1PT -536	FW	PRESSURE TRANSMITTER	F/L2702	BRN 763	SMT	007	ZX	0377	T 3	6/20E-1-3317 6/20E-1-4031 MS09 6/20E-1-4109J	1MS126	A	T30E43
1PT -544	FW	PRESSURE TRANSMITTER	F/L2702	BRN 763	SMT	007	QX	0377	T 3	6/20E-1-3316 6/20E-1-4030 MS04 6/20E-1-4109J	C 1MS110	A	T30E43
1PT -545	FW	PRESSURE TRANSMITTER	F/L2702	BRN 763	SMT	007	QX	0377	T 3	6/20E-1-3316 6/20E-1-4030 MS08 6/20E-1-4109J	C 1MS124	A	T30E43

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION ---			ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER	
					BDG	COL	ROW						
1PT -546	FW	PRESSURE TRANSMITTER	F/L2702	BRN 763	SMT	007	QX	0377	T 3	6/20E-1-3316 6/20E-1-4031 MS10 6/20E-1-4108E	1MS128 1PL79JB	A	T30E43
2PT -514	FW	PRESSURE TRANSMITTER	F/L2702	BRN 763	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E-2-4030 MS02 6/20E-2-4109J	C 2MS098	A	T30E43
2PT -515	FW	PRESSURE TRANSMITTER	F/L2702	BRN 763	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E-2-4030 MS05 6/20E-2-4109J	C 2MS115	A	T30E43
2PT -516	MS	PRESSURE TRANSMITTER	F/L2702	BRN 763	SMT	030	SX	0377	T 3	6/20E-2-3316 6/20E-2-4031 MS10 6/20E-2-4108E	2MS127 2PL79JB	A	T30E43
2PT -521	FW	PRESSURE TRANSMITTER	F/L2702	BRN 763	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E-2-4030 MS02 6/20E-2-4109M	C 2MS102	A	T30E43
2PT -525	FW	PRESSURE TRANSMITTER	F/L2702	BRN 763	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E-2-4030 MS06 6/20E-2-4108B	C 2MS118 2PL77JC	A	T30E43
2PT -526	MS	PRESSURE TRANSMITTER	F/L2702	BRN 763	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E-2-4031 MS09 6/20E-2-4109J	2MS125	A	T30E43
2PT -534	FW	PRESSURE TRANSMITTER	F/L2702	BRN 763	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E-2-4030 MS04 6/20E-2-4190M	C 2MS106	A	T30E43
2PT -535	FW	PRESSURE TRANSMITTER	F/L2702	BRN 763	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E-2-4030 MS07 6/20E-2-4108B	C 2MS121 2PL77JC	A	T30E43
2PT -536	MS	PRESSURE TRANSMITTER	F/L2702	BRN 763	SMT	029	ZX	0377	T 3	6/20E-2-3317 6/20E-2-4031 MS09 6/20E-2-4109J	2MS126	A	T30E43
2PT -544	FW	PRESSURE TRANSMITTER	F/L2702	BRN 763	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E-2-4030 MS04 6/20E-2-4109J	C 2MS110	A	T30E43

SARGENT & LUNDY ENGINEERS
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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION --- BDG COL ROW ELEV ZONE	ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
2PT -545	FW	PRESSURE TRANSMITTER	F/L2702	BRN 763	SMT 029 SX	0377 T 3	6/20E-2-3316 6/20E-2-4030 MS08 6/20E-2-4109J	C 2MS124	A	T30E43
2PT -546	MS	PRESSURE TRANSMITTER	F/L2702	BRN 763	SMT 030 SX	0377 T 3	6/20E-2-3316 6/20E-2-4031 MS10 6/20E-2-4108E	2MS128 2PL65J	A	T30E43

SARGENT & LUNDY ENGINEERS
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T30E43

SPEC. NUM.: F/L2702

SYSTEM : FW,MS

SAFETY CAT: A

FUNCTION : STEAM LINE PRESSURE

ENVR ZONE : T 3

COMP/EQUIP: PRESSURE TRANSMITTER

MANUF. : BARTON

MODEL SUPP: 763

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	QUALIFICATION	REMARKS	COMP
PARAMETER	PLT DES:QUALIFICATION	METHOD	DOCUMENT	REFERENCE		NUMBER
TEMP DEG F	325 MAX:	420 MAX	TYPE TEST	WESTINGHOUSE EQUIPMENT QUAL.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER	T30E43
	:	:	:	TEST REPORT E01A.	EQDP ESE-1A FOR COMPLETE DOCUMENTATION PACKAGE:	:
PRESS PSIG	28	57	TYPE TEST		ASSOCIATED WITH THIS EQUIPMENT.	:
	:	:	:			:
REL HUMID %	100	95	TYPE TEST			:
	:	:	:			:
RADIATION	1E04	5E07	TYPE TEST			:
	:	:	:			:
CHEM SPRAY	N/A	N/A	N/A			:
	:	:	:			:
OPE TME MN	SHORT	2 WEEKS	TEST/ANALYSIS		O-RING'S QUALIFIED FOR 2 YRS.	:
	:	:	:			:
QUAL. LIFE	40 YRS.	5.6 YRS.	TEST/ANALYSIS			:
	:	:	:			:
SUBMERGENCE	N/A	N/A	N/A			:
	:	:	:			:

SARGENT & LUNDY ENGINEERS
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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---				ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW	ELEV					
1PS -MS127		MS PRESSURE SWITCH	F/L2756	BSE BIT-A48SS	SMT	006	QX	0393	T 3	6/20E-1-3316		C	T30E44
1PS -MS128		MS PRESSURE SWITCH	F/L2756	BSE BIT-A48SS	SMT	006	ZX	0393	T 3	6/20E-1-3316		C	T30E44
1PS -MS129		MS PRESSURE SWITCH	F/L2756	BSE BIT-A48SS	SMT	007	ZX	0393	T 3	6/20E-1-3317		C	T30E44
1PS -MS130		MS PRESSURE SWITCH	F/L2756	BSE BIT-A48SS	SMT	007	QX	0393	T 3	6/20E-1-3317		C	T30E44
1PS -MS135 A		MS PRESSURE SWITCH	F/L2756	BSE BIT-A48SS	SMT	006	QX	0393	T 3	6/20E-1-3316		C	T30E44
1PS -MS136 A		MS PRESSURE SWITCH	F/L2756	BSE BIT-A48SS	SMT	006	ZX	0393	T 3	6/20E-1-3316		C	T30E44
1PS -MS137 A		MS PRESSURE SWITCH	F/L2756	BSE BIT-A48SS	SMT	007	ZX	0393	T 3	6/20E-1-3317		C	T30E44
1PS -MS138 A		MS PRESSURE SWITCH	F/L2756	BSE BIT-A48SS	SMT	007	QX	0393	T 3	6/20E-1-3317		C	T30E44
2PS -MS127		MS PRESSURE SWITCH	F/L2756	BSE BIT-A48SS	SMT	030	SX	0393	T 3	6/20E-1-3316		C	T30E44
2PS -MS128		MS PRESSURE SWITCH	F/L2756	BSE BIT-A48SS	SMT	029	ZX	0393	T 3	6/20E-1-3316		C	T30E44
2PS -MS129		MS PRESSURE SWITCH	F/L2756	BSE BIT-A48SS	SMT	029	ZX	0393	T 3	6/20E-1-3317		C	T30E44

SARGENT & LUNDY ENGINEERS
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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC. NO.	MFG TYPE/MODEL	--- LOCATION --- BDG COL ROW ELEV ZONE	ENVR WIRING DIAGRAM NO.	SCHEMATIC DIAGRAM/ CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
2PS -MS130		MS PRESSURE SWITCH	F/L2756	BSE BIT-A48SS	SMT 029 SX 0393 T 3	6/20E-1-3317		C	T30E44
2PS -MS135 A		MS PRESSURE SWITCH	F/L2756	BSE BIT-A48SS	SMT 030 SX 0393 T 3	6/20E-1-3316		C	T30E44
2PS -MS136 A		MS PRESSURE SWITCH	F/L2756	BSE BIT-A48SS	SMT 029 ZX 0393 T 3	6/20E-1-3316		C	T30E44
2PS -MS137 A		MS PRESSURE SWITCH	F/L2756	BSE BIT-A48SS	SMT 029 ZX 0393 T 3	6/20E-1-3317		C	T30E44
2PS -MS138 A		MS PRESSURE SWITCH	F/L2756	BSE BIT-A48SS	SMT 029 ZX 0393 T 3	6/20E-1-3317		C	T30E44

SARGENT & LUNDY ENGINEERS
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T30E44

SPEC. NUM.: F/L2756

SYSTEM : MS

SAFETY CAT: A

FUNCTION : RELIEF VALVE

ENVR ZONE : T 3

COMP/EQUIP: PRESSURE SWITCH

MANUF. : BSE

MODEL SUPP: BIT-A4855

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ENVIRONMENT	QUALIFICATION	QUALIFICATION	QUALIFICATION	COMP
PARAMETER : PLT DES:	QUALIFICATION:	METHOD :	DOCUMENT REFERENCE :	REMARKS :
NUMBER:	NUMBER:	NUMBER:	NUMBER:	NUMBER:
TEMP DEG F : 325 :	325 :	TYPE TEST :	A/DARLING TEST REPORT NO. :	REFER TO ENVIRONMENTAL QUALIFICATION BINDER :
:	:	:	QR-10. :	NO. EQ-BB024 FOR COMPLETE DOCUMENTATION :
PRESS PSIG : 19.7 :	19.7 :	TYPE TEST :	:	PACKAGE ASSOCIATED WITH THIS EQUIPMENT. :
:	:	:	:	:
REL HUMID %: 100 :	100 :	TYPE TEST :	:	:
:	:	:	:	:
RADIATION : 1E04RAD:	1E06 RADS :	TYPE TEST :	:	:
:	:	:	:	:
CHEM SPRAY : N/A :	N/A :	N/A :	:	:
:	:	:	:	:
OPE TME MN : INTER- :	INTERMITANT :	TYPE TEST :	:	:
:MITANT :	:	:	:	:
QUAL. LIFE : 40 YRS. :	40 YRS. :	TYPE TEST :	:	:
:	:	:	:	:
SUBMERGENCE: N/A :	N/A :	N/A :	:	:
:	:	:	:	:

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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE		--- LOCATION ---			ENVR	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	O588 CAT.	COMPUTER NUMBER
			SPEC. NO.	MFG TYPE/MODEL	BDG	COL	ROW					
1RE -ARO22A	AR	RADIATION DETECTOR	F/L2827	GA RD-10B	TUN		385	T 3			A	T30E6B
1RE -ARO22B	AR	RADIATION DETECTOR	F/L2827	GA RD-10B	TUN		385	T 3			A	T30E6B
1RE -ARO22C	AR	RADIATION DETECTOR	F/L2827	GA RD-10B	TUN		385	T 3			A	T30E6B
1RE -ARO22D	AR	RADIATION DETECTOR	F/L2827	GA RD-10B	TUN		385	T 3			A	T30E6B
1RE -ARO23A	AR	RADIATION DETECTOR	F/L2827	GA RD-10B	TUN		385	T 3			A	T30E6B
1RE -ARO23B	AR	RADIATION DETECTOR	F/L2827	GA RD-10B	TUN		385	T 3			A	T30E6B
1RE -ARO23C	AR	RADIATION DETECTOR	F/L2827	GA RD-10B	TUN		385	T 3			A	T30E6B
1RE -ARO23D	AR	RADIATION DETECTOR	F/L2827	GA RD-10B	TUN		385	T 3			A	T30E6B
1RE -ARO24A	AR	RADIATION DETECTOR	F/L2827	GA RD-8	TUN		385	T 3			A	T30E6B
1RE -ARO24B	AR	RADIATION DETECTOR	F/L2827	GA RD-8	TUN		385	T 3			A	T30E6B

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T30E6B

SPEC. NUM.: F/L2827

SYSTEM : AR

SAFETY CAT: A

FUNCTION : MEASURE GAMMA RADIATION FIELDS

ENVR ZONE : T 3

COMP/EQUIP: RADIATION DETECTOR

MANUF. : G.A. TECHNOLOGIES INC.

MODEL SUPP: RD-10B, RD-8

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER	ENVIRONMENT PLT DES	QUALIFICATION QUALIFICATION	METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	COMP NUMBER
TEMP DEG F	325	325	TYPE TEST	GENERAL ATOMICS REPORT E-255-996, JULY 1981 & E-255-1047, OCTOBER 1981.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB060 FOR COMPLETE DOCUMENTATION ASSOCIATED WITH THIS EQUIPMENT.	T30E6B
PRESS PSIG	28 PSI	28 PSI	TYPE TEST			
REL HUMID %	100	100	TYPE TEST			
RADIATION	1E04	1E04	TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE TME MN	CONT.	CONT.	N/A			
QUAL. LIFE	40 YRS.	40 YRS.	TYPE TEST			
SUBMERGENCE	N/A	N/A	N/A			