

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,

TIR. Tram

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 IE components of an ESF division are physically and electrically separated from Class IE 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 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 IE circuits, specific analyses are performed on a case by case basis to show that any postulated failures in the Non Class IE circuit will not prevent a Class IE 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.

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

## Response 2

Attached is a listing of Reg. Gude 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 procurred 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, recording functions, is to be qulified also. However, the environment loop, required to support display and ment loop is located in the Aux. Electric & Main Control Rooms.

Instrument No	. Service		R.G. 1.97 Cat.	NUREG-0737 Act. Item	COL-ROW	EL.	Instr. Loc. Dwg.	Instr. Location
1PT-403 1PT-405		Pressure	1	N/A	G-1	· Cont. 377	M821-3	107767
		Pressure	1	N/A	L-5	Cont. 377	M821-3	1PL75J
· 1TE-413A	RC Temp	erature WR THot	1	N/A	D-7	Cont. 390		1PL66J
·1TE-423A	RC Temp	erature WR THot	1	N/A	11-7		6/20E-1-3521	LM
· 1TE-433A	RC Temp	erature WR THOE	1	N/A		Cont. 390	6/20E-1-3522	LM
. 1TE-443A	RC Temp	erature WR THot	1	N/A	11-6	Cont. 390	6/20E-1-3527	LM
-1TE-413B	RC Temp	erature WR Toold	î	N/A	D-5	Cont. 390	6/2CE-1-3524	LM
· 1TE-423B	RC Temp	erature WR TCold	1		D-8	Cont. 390	6/20E-1-3521	LM
· 1TE-433B	RC Temp	erature WR Tcold	1	N/A	H-9	Cont. 390	6/20E-1-3522	LM ·
· 1TE-443B	RC Tempe	erature WR TCold		N/A	H-4	Cont. 390	6/20E-1-3527	LM
· 11.T-501	SG WR L	evol	1	N/A	D-4	Cont. 390	6/20E-1-3524	LM
·1LT-502	SG WR L		1	N/A	A-8	Cont. 377	M321-1	1PL50J
· 11.T-503	SG WR L		1	N/A	L-7	Cont. 377	M821-2	1PL67J
· 11.T-504	SG WR Le		1	N/A	G-1	Cont. 377	M821-3	1PL75J
·1LT-517			1	N/A	· D-1	Cont. 377	M821-4	1PL52J
· 1LT-518	SG NR Lo		1	N/A	A-6	Cont. 401	M822-4	
·1LT-519	SG NR Lo		1	N/A	C-10	Cont. 412	M823-1	1PL69J
·1LT-527	SG NR Lo		1	N/A	A-4	Cont. 412	M823-4	LM
	SG NR Le		1	N/A	G-1	Cont. 377	M821-3	1PL57J
-1LT-528	SG NR Le	evel	1 .	N/A	J-10	Cont. 412	M823-2	1PL75J LM

## PAM INSTRUMENTS

Instrument No.	Service	R.G. 1.97 Cat.	NUREG-073 Act. Item		EL.	Instr. Loc. Dwg.	Instr. Location
·1LT-529	SG NR Level	1	N/A	G-11	Cont /12		
· 11.T-537	SG NR Level	1	N/A	G-11	Cont. 412,	M823-2	1PL71J
·1LT-538	SG NR Level	1	N/A	K-7	Cont. 377	M821-3	1PL75J
·1LT-539	SG NR Level	1	N/A	G-11	Cont. 412	M823-2	LM
·1LT-547	SG NR Level	1	N/A	A-6	Cont. 412		1PL71J
·1LT-548	°G NR Level	1	N/A	A-8	Cont. 401	A CONTRACTOR OF THE PARTY OF TH	1PL69J
•1LT-549	SG NR Level	1	· N/A		Cont. 412	M823-1	LM
·1LT-459	Pressurizer Level	1	N/A	Λ-4	Cont. 412	M823-4	1PL57J
.1LT-460	Pressurizer Level	ī	N/A	A-8	Cont. 377	M821-1	1PL50J
·1LT-461	Pressurizer Level	î	N/A	F-10	Cont. 377	M821-1	LM
1PT-934	Containment NR Pressure	î .	N/A	D-1	Cont. 377	M321-4	1PL52J
			N/A	C-1	Cont. 426	M824-4	LM
· 1PT-935	Containment NR Pressure	1	N/A	V-12	Aux. 426	M831-11	
			N/A	B-2	Cont. 451	M825-4	LM
· 1PT-936	Containment NR Pressure	1	N/A	S.7-12	Aux. 451	M825-4	
	***************************************		N/A	C-1	Cont. 451	M825-4	LM
1PT-937	Containment NR Pressure	1	N/A	V-12	Aux. 451	M825-4	
			N/A	B-2	Cont. 426	M824-4	LM
· 1PT-PC004	Containment WR Pressure	1	TTPI	S.7-12	Aux. 426	M831-10	
			II.F.1	C-1	Cont. 426	M824-4	LM
• 1PT-PC005	Containment WR Pressure	1	TT P 1	V-12	Aux. 426	M824-4	
		7	II.F.1	. B-2	Cont. 451	M825-4	LM
• 1PT-514	Steamline Pressure	1	W/4	S.7-12	Aux. 451	M825-4	
			N/A	R13 & 7	377-Piping	M833-1	LM
100					Tunnel SE		
· 1PT-515	Steamline Pressure	1			Area		
	and the second second	•	N/A	R13 & 7	377-Piping	M833-1	LM ·
					Tunnel SE		
·1PT-516	Steamline Pressure	1	w/.	dividition :	Area		
			N/A	R-13	377-Piping	M833-1	1PL79JB
					Tunnel SE		
• 1PT-524	Steamline Pressure	1			Area		
			N/A	R20 & 7	377-Piping	M833-2	LM
					Tunnel SW		
· 1PT-525	Steamline Pressure	1	w/.		Area		
			N/A	R20	377-Piping	M833-2	1PL77JC
					Tunnel SW		
					Area		

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

## PAM INSTRUMENTS

	ervice	R.G. 1.97	NUREG-0737 Act. Item	COL-ROW	EL.	Instr. Loc. Dwg.	Instr. Location
- 1PT-526 S	teamline Pressure	1	N/A	R20&7	377-Piping	M833-2	LM )
• 1PT-534 S	teamline Pressure	1	N/A	R20&7	Tunnel SW Area 377-Piping	M833-2	LM
. 1PT-535 S	teamline Pressure	1	N/A	R20	Tunnel SW Area	#: :!	
. 1PT-536 St	Pr Pr			R20	377-Piping Tunnel SW Area	M833-2	1PL77JC
. 171-336 St	eamline Pressure	1	N/A	R20&7	377-Piping Tunnel SW	M833-2	LM
•1PT-544 St	eamline Pressure	1	N/A	R13&7	Area 377-Piping Tunnel SE	M833-1	LM
•1PT-545 St	eamline Pressure	1	N/A	R1367	Area 377-Piping	M833-1	LM
• 1PT-546 St	eamline Pressure	11	N/A	R-13	Tunnel SE Area: 377-Piping	M833-1	1PL79JB
• 1LT-930 RW	ST Level	1			Tunnel SE Area		2.2750
			N/A	RWST @21 Line	379'6"-RFLG WTR. Pipe	M835-3	LM
•1LT-931 RW:	ST Level	1	N/A	BB-13	Tunnel 379'6"-RFLG WTR. Pipe	M835-3	LM
. 1LT-932 RWS	T Level	1	N/A	BB-13	Tunnel 379'6"-RFLG	M835-3	LM
, 1LT-933 RWS	T Level	1	N/A	AA-13	Tunnel 379'6"-RFLG	M835-3	IM
	tainment Level	1	II.F.1	C-9	WTR. Pipe Tunnel		
	tainment Level iliary Feedwater Flow	1	II.F.1 II.E.1.2	C-9 P-13	Cont. 377 Cont. 377 Aux. 364	M821-1 M821-1 M828-9	LM LM 1PL84JA

## PAM INSTRUMENTS

Instrument No		R.G. 1.97 Cat.	NUREG-0737 Act. Item	COL-ROW	EL.	Instr. Loc. Dwg.	Instr.
·1FT-AF012	Auxiliary Feedwater Flow	1	II.E.1.2	N 12			
. 1FT-AF013	Auxiliary Feedwater Flow	1	II.E.1.2	N-12	Aux. 364	M828-9	1PL84JB
· 1FT-AF014	. Auxiliary Feedwater Flow	1		P-13	Aux. 364	M828-9	1PL84JA
·1FT-AF015	Auxiliary Feedwater Flow	1	II.E.1.2	N-12	Aux. 364	M828-9	1PL84JB
·1FT-AF016	Auxiliary Feedwater Flow	1	II.E.1.2	P-13	Aux. 364	M828-9	1PL84JA
· 1FT-AF017	Auxiliary Feedwater Flow	1	II.E.1.2	N-12	Aux. 364	M828-9	1PL84JB
· 1FT-AF018	Auxiliary Feedwater Flow	1	II.E.1.2	P-13	Aux. 364	M828-9	1PL84JA
1RE-ARO20	Containment High Range Radia		II.E.1.2	N-12	Aux. 364	M828-9	1PL84JB
1RE-ARO21	Containment High Range Radia	tion 1.	II.F.1.	F-1	Cont. 451	M825-3	LM
TE01-TE-65	Core Exit Temperature	tion 1	II.F.1.	G-11	Cont. 451	M825-2	LM
	essel, Ref. Junction Boxes in	1	II.F.2.	-	Cont.		Lit
Containment	discer, Ref. Junction Boxes in						
; ILS-CS046A	Course Allies on a second	. 1	II.F.2.		Cont.		
1LS-CS046B	Spray Additive Tank Level	1	N/A	U-13	Aux. 364	M020 10	
1RE-ARO22A	Spray Additive Tank Level	1 .	N/A	S-12	Aux. 364	M828-10	LM
IKE-AKOZZA	Secondary System Radiation	1	II.F.1.	Stm.	Aux. Bldg.	M828-10	LM .
100 400000				Tun.	385'4"	M833-1	LM
1RE-AR022B	Secondary System Radiation	1	II.F.1.	Stm.			
					Aux. Bldg.	M833-2	LM
1RE-AR022C	Secondary System Radiation	1	II.F.1.	Tun.	385'4"		
			11.5.1.	Stm.	Aux. Bldg.	M833-2	LM
1RE-AR022D	Secondary System Radiation	. 1	TT 11 .	Tun.	385'4"		
			II.F.1.	Stm.	Aux. Bldg.	M833-1	LM
1RE-ARO23A	Secondary System Radiation	Targette and		Tun.	385'4"		
	by b	1	II.F.1.	Stm.	Aux. Bldg.	M833-1	LM
1RE-ARO23B	Secondary System Radiation			Tun.	385'4"		
	becomedly bystem Radiation	1	II.F.1.	Stm.	Aux. Bldg.	M833-2	LM ·
1RE-AR023C	Consolana Cara D			Tun.	385'4"		LM .
1110 11110230	Secondary System Radiation	1	II.F.1.	Stm.	Aux. Bldg.	M833-2	
1RE-ARO23D				Tun.	385'4"	11033-2	LM
IIC-AROZSD	Secondary System Radiation	1	II.F.1.	Stm.		W000 *	
Taran				Tun.	Aux. Bldg.	M833-1	LM
Later	Neutron Flux	(Current	ly in Containmen	t	303.4		
Later	Neutron Flux	Procurem	ent for 1st Refu	101	14 11 3		
1-		Outage T	nstallation)	ICT.			
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## R.G. 1.97, Rev. 3 & NUREG-0737

## PAM INSTRUMENTS

Instrument No.	Service	R.G. 1.97 . Cat.	NUREG-0737 Act. Item	COL-ROW . EL.	Instr. Loc. Dwg.	Instr. Location
Limit Switches	Containment Isolation					
	Valves Positions	1	N/A	Mountail on Walana		
	(For Valve tag's reference		","	Mounted on Valves		
1LE-RC019	FSAR Table 6.2-58)	1	N/A			
TEE-WCO19	Reactor Vessel Level	2	II.F.2	In RX Cont.	_	LM
1LE-RCO20	Réactor Vessel Level			Vessel		
	Reactor vessel Level	. 2	II.F.2	In RX Cont.		LM .
1PS43J/1PS47J	Containment Hydrogen	. 1	II.F.1	Vessel		
	Concentration		11.1.1	Approx. S-17 Aux. 401		
1PS44J/1PS48J	Containment Hydrogen	1	II.F.1	S-17 Aux. 401 Approx.	M830-5	LM
100 incorr	Concentration			S-17/U-18 Aux. 401	W026 F	
1RE-ARO24A	Auxiliary Building Area	2 ,	N/A	Stm. Aux. 381'	M830-5 M833-1	LM LM
1RE-ARO24B	Radiation			Tun.	11033-1	LM
11.	Auxiliary Building Area Radiation	2	N/A	Stm. Aux. 381'	M833-2	LM ·
1RE-025A	Auxiliary Building Area	2		Tun.		
	Radiation	2	N/A	Approx.		
1RE-025B	Auxiliary Building Area	2	N/A	X-13 Aux. 369'6"	M828-12	LM
	Radiation		.,,,	Approx. U-13 Aux. 369'6"	W000	
1RE-ARO26A	Auxiliary Building Area	2	N/A	Approx.	M828-11	LM
1RE-ARO26B	Radiation			X-13 Aux. 383'0"	M829-1	LM
IRE-ARUZOB	Auxiliary Building Area Radiation	2	N/A	Approx.		Lit
1RE-ARO27A	Auxiliary Building Area	2		V-13 Aux. 383'0"	M829-2	LM .
	Radiation	2	N/A	Approx.		
1RE-ARO27B	Auxiliary Building Area	12	N/A	Y-13 Aux. 401'0"	M830-1	LM
	Radiation		N/A	Approx. V-13 Aux. 401'0"		
1PR29J/1PR30J	Gaseous Effluent Radioactivity	1 2	II.F.1	V-13 Aux. 401'0"	M830-2	LM
				L&M on		
2PR29J/2PR30J	C P661			17 Aux. 477'	M832-34	LM
21 K233/21 K303	Gaseous Effluent Radioactivity	2	II.F.1	M-17/		
Limit Switches	Pressurizer PORV's Position		** ** *	N-17 Aux. 477'	M832-34	LM
Limit Switches	Pressurizer Safety Relief	2	II.D.3	Mounted on Valves		-
	Positions	2	II.D.3 '	V		
			11.0.3	Mounted on Valves		-

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## PAM INSTRUMENTS .

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Instrument No.	Service	•	R.G. 1.97 Cat.	NUREG-0737 Act. Item	COL-ROW	EL.		Instr. Loc. Dwg.	Instr. Location
- Limit Switches - 1FT-CS011 - 1FT-CS012 Breaker Relay - 1EI-AP054	ESW Supply to AF Valve Position Containment Spray Flow Containment Spray Flow RCFC Hi/Lo Bkr Status ESF Bus Voltages		1 2 2 2 2 2	N/A N/A N/A N/A N/A	Mounted on V-15 W-15			M827-7 M827-7 Main	1PL81JA 1PL81JB At Bkr
- 1EI-AP086 .	ESF Bus Voltages  Containment Floor Drain S	Samp	2	N/A		Aux.	451:	Control Room Main Control Room	1PMO1J
- 1LT-PC003	Level Containment Floor Drain S	amp	N/A	II.F.1	B-6	Cont.	377	M821-1	LM
	Level		N/A	II.F.1	B-7	Cont.	377:	M821-1	LM

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

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

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

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

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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

FSAR Section 15.2.8	Accident Feedwater System Pipe Break	ESF Actuating Signal Low-low SG Level	Time of Actuation 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 IE 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 IE 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.

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)

Component	Manufacturer	Model No.	Qualification Status
Valve Operator	Limitorque	SMB Series	Completed
Hydraulic Valve Operator	Borg-Warner	38971	Completed
Hydraulic Valve Operator	Borg-Warner		JIO
(MS Atmospheric Relief Va	lves)		
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	012	Completed
Pressure Switch	United Electric	J-302-S164	JIO
Level Transmitter	Barton	764,763	Completed
Pressure Transmitter	Veritrak	76PH2	Completed
*Void JIO on OT-2 switche	es.		

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

Component	Manufacturer	Model No.	Qualification Status
RTD	RDF	21204	Completed
Pressue 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	11538	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

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.

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 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 electical 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	:	

Ш	ONE	Dute	r TWO	SHIFT	THREE	MIN	Puri
EAST	WEST	EAST	WEST	EAST	WEST	MIN	MA
						35%	65
						GRN	
1 10						OK	
11		T		1		II OK	
						H	
						H	
	- 15 TO A TO A	GREEN.	r was	/ ** * (4.4.4)		1	
11				1		OK	i
						25	3
						25	3
in deals	121 - 1211	10000				35	4
1985 - F						35	4
11						2#	40
	(P4)-1117-1						1
						2#	40
						1	1
						>17#	
11		MK	cc	LOCAT	ION	MIN	MA:
		132X47	V/L2	426/5-	13	OFF	
		132X4	1/L3	426/S-	13	OFF	
		132X47	1/M1	426/S-	13	OFF	
		132X2	1/A2	426/S-	11	OFF	
		132X27	1/A3	426/5-	11	OFF	
							S
				MCC 132X4A/L2 132X4A/L3 132X4A/M1 132X2A/A2	MCC LOCAT 132X4A/L2 426/S- 132X4A/L3 426/S- 132X4A/M1 426/S- 132X2A/A2 426/S-	MCC LOCATION  132X4A/L2 426/S-13  132X4A/L3 426/S-13  132X4A/M1 426/S-13  132X2A/A2 426/S-11	35%   GRN   OK   OK   OK   OK   OK   OK   OK   O

APPROVED

DEC 1 8 1903

-1-FIMAL

## 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 La.

#### B .\_\_ REFERENCES.

1. Technical Specification

--4:6.1.1.c

Si2. Mu.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:

- 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

c.	Nitrogen Bottle
d.	Pneumatic Pressure Hose
е.	Poly Flo Tubing
	Snoop
	Teflon actions in opened subsequent to a very fine a service of
	Adapters for test rig to test volume
i.	Stop Watch (1-24) Serial #Accy Ck Due

#### D. PRECAUTIONS:

- 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.	×
	***************************************	**
Tuna	B Tests	
Abe	D lescs	
1.	Zone 1 Electrical Penetration Local Leakage Rate Test	(E15-E28)
	**************************************	**
	NOIL	*
	* 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	1
	Flowmeter TypeAccuracy +SCFH	
	Serial # Cal Date Cal Dur Date	1
	하는 사람들이 얼마를 가면 되었다. 그 사람들은 사람들이 살아내는 것이 없다.	
	Pressure Gauge (0-60 PSIG)	
	Serial # Cal Date Cal Due Date	/
	Thereses to Conferent	
	Thermometry Equipment	
	Serial #'s Cal Date Cal Due Date	/
	1.2 Verify the Shift Engineer has been notified of the take place on the Zone 1 electrical penetrations.	testing to

*	NOTE *
* T	he following steps are preparing the Zone 1 * lectrical 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:
	1NTO41A 1NTO15A 1NTO39A
	1NTO13A 1NTO06A 1NTO38A
	INTO40A INTO01A
1.6	VERIFY Zone 1 Relief Valve 1NTO14A is installed.
1.7	VERIFY Zone 1 Rupture Disc 1NTO1MA or a pipe cap is installed on pipeline 1NTO7AA 1/2".
1.8	REMOVE the threaded pipe cap on the Zone 1 pressure test connection pipeline downstream of 1NTO15A.
1.9	Attach the Flowmeter Test Rig and adapter to pipeline downstream of 1NTO15A.
1.10	VERIFY/CLOSE 1NTO24A.
1.11	VERIFY/REMOVE the spare electrical penetration fill connection pipe cap downstream of valve 1NTO24A.

1.1	Electrical Penetration Nitrogen Supply Hdr:	e Zone 1
	1NTO16A	
	INTOITA DO MARTINE DE LA COMPANION DE LA COMPA	/
	1NTO18A	
	1NTO19A	/
4	1NTO2OA	
	INTOZIA de trenestro dos tiebos de zona democión	, —
	1NTO22A	/,
	1NTO23A	
	1NTO25A	/,
	1NTO26A	/-
	1NTO27A	',
	1NTO28A	',
	1NTOO7A	,
	1NTO15A	
	***************************************	**
	NOTE NOTE	*
		*
	* Use N <sub>2</sub> for gas supply in the next step.	*
1.13	Line up the Flowmeter Test Rig per the Pressuriza of Attachment A.	tion Procedure
1.14	Throttle OPEN 1NTO24A to purge the N2 Supply Head	er.
1.15	CLOSE valve INTO24A after at least 1 minute of pu	rging.
1.16	REPLACE the pipe cap on the spare electrical pene connection downstream of valve 1NTO24A.	tration fill
1.17	ALIGN a flowmeter to the test volume.	/
1.18	RECORD the leakage rate and other required data be Zone 1 Electrical Penetration $N_2$ Supply Header (Uphandle isolation valves) after monitoring flowmeter 5 minutes.	a to black
	Flowmeter type used	
	Leakage Rate indicated on the	/_
	FlowmeterSCFH (1 SCFH max.)	
	Pressurepsig	
	Temperature *F	/,
1.19	ALIGN valve C to the Flowmeter Bypass Line.	/

XXXXXXXXXX	*****	XXXXXXXXXXXXXXXX	******	
*	NO.	TE	*	
*			*	
* Electrical	Penetration E-2	6 is a spare an	dathe *	
* mtrogen su	oply line leadi	ng to it is cap	ped. *	
*****	******	*****	******	
1 2000 PER THE	Hank band la is	olderen vans	who are mou	ntad
directiv	below the indiv	idual electrica	1 penetration	pressure
gauge for	those Zone 1 5	lectrical penet	rations and n	pressure
thom the a	pproximately 45	rectificat belief	rectous and b	ressurize
	pproximately 45		74 2 4 3	
		The state of the s		,
	on E-15, Equip.			
	on E-16, Equip.			
	on E-17, Equip.			
	on E-18, Equip.		14 TO 10 10 10 10 10 10 10 10 10 10 10 10 10	_/
	on E-19, Equip.			/
		No. 18CO4E	的第一级"本"	_/
	on E-21, Equip.			_/
	on E-22, Equip.			_/
	on E-23, Equip.			_/_
	on E-24, Equip.		AND A STATE OF THE PARTY OF THE	_/
	on E-25. Equip.			/
Penetratio	on E-27, Equip.	No. 1LVO9E		/
Penetratio	on E-28, Equip.	No. 1AP84EC		_/
***				
1.21 OPEN the	integration val	ve on the face	of the penetra	ations by
turning th	he narrower hex	nut counter- c	lockwise appr	oximately
1/2 to 1 f	full turn. Do	not remove the	valve from it	s port. but
the valve	should be veri	fied to be free	to turn with	fingers fo
each of th	ne following pe	netrations:		
1.22				
Penetratio	on E-15, Equip.	No 1VPO3F		,
	on E-16, Equip.			
	on E-17, Equip.			
	on E-18, Equip.			
	on E-19, Equip.			
	en E-20, Equip.			
	on E-21, Equip.			
	on E-22, Equip.			_/
	on E-23, Equip.			_/
	on E-24, Equip.			_/
	on E-25, Equip.			_/_
Penetratio	on E-27, Equip.	No. 1LVO9E		
Penganti	<b>美国的</b> 与 <b>经生</b> 产中		经 地路 研	-
		11	W-4-8-8-4-	A STATE OF THE PARTY OF THE PAR
1.23 ALIGN a FI	owneter to the	test volume.		1_
THE REST OF THE PARTY OF THE PA	STREET, STREET	AND THE RESERVE OF THE PARTY OF	The same of the sa	The state of the s

lowmeter Type Used	1
eakage Rate as Indicated on the Flowmeter SCFH	1
ressure psig	/
emperature*F	/_
<del>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</del>	<b>**</b>
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 <u>1.5 SCFH</u>	*
Zone 1 Electrical penetrations:	
Penetration E-15, Equip. No. 1VPO3E	/
Penetration E-16, Equip. No. 18Y04E	/_
Penetration E-17, Equip. No. 1RYO7E	/
Penetration E-18, Equip. No. 1LVO2E	/-
Penetration E-19, Equip. No. 1AP85ED Penetration E-20, Equip. No. 1RC04E	
Penetration E-21, Equip. No. 1AP84EB	
Penetration E-22, Equip. No. 1NRO1E	/-
Penetration E-23, Equip. No. 1IC19E	
Penetration E-24, Equip. No. 1SIOSE	
Penetration E-25, Equip. No. 1LVO7E	
renetiation 6-23, Equip. No. 1240/E	
Penetration E-27, Equip. No. 11.VO9E	/
	Α.
Penetration E-27, Equip. No. 11.VO9E	1
Penetration E-27, Equip. No. 1LVO9E Penetration E-28, Equip. No. 1AP84EC	
Penetration E-27, Equip. No. 1LVO9E Penetration E-28, Equip. No. 1AP84EC	ne pipe.
Penetration E-27, Equip. No. 1LV09E Penetration E-28, Equip. No. 1AP84EC  .26 Use the Depressurization Procedure of Attachment  .27 REMOVE the Flowmeter Test Rig and adapter from the	/_
Penetration E-27, Equip. No. 1LV09E Penetration E-28, Equip. No. 1AP84EC  .26 Use the Depressurization Procedure of Attachment	/_

	1.3	O OPEN the following valves:	
	<b>*</b>	1NTO41A 1NTO39A 1NTO39E 1NTO06A 1NTO38A 1NTO40A 1NTO01A	
Т	ype B To	ests	
2	Zone	2 Electrical Penetration Local Leakage Rate Test	(E-1 - E14)
	XXX	<del>(************************************</del>	/××
	*	NOTE	*
	*		*
	* 7	one 2 Electrical Penetrations are located @ 435'	*
	*	level, R8 Containment Wall. For additional	*
	* 1	information see Attachment B.	*
	***	**************************************	·××
	2.1	RECORD the Test Rig Calibration Data on Data Shee	t 11-2.
			/
		Flowmeter Type Accuracy + SCFH	
		Serial # Cal Date Cal Due Date	/
		Flowmeter TypeAccuracy + SCFH	
		Serial # Cal Date Cal Due Date	,
		car bute car bute	
		Pressure Gauge (0-60 PSIG)	
		Serial # Cal Date Cal Due Date	1
		Thermometry Equipment	
		Serial #'s Cal Date Cal Due Date	/_
	2.2	VERTEY the Shift Engineer has been notified of the	
		VERIFY the Shift Engineer has been notified of the take place on the Zone 2 electrical penetrations.	e testing to
		***********************	**
		* NOTE	*
		*	*
		* The following steps are preparing the Zone 2	*
		* electrical penetrations for testing.	*
		******************************	**
	2.2	WESTER (CLOSE 11- 11-1 1-11-11-11-11-11-11-11-11-11-1	
	2.3	VERIFY/CLOSE the black handle isolation valve local	ated on each
		Electrical Penetration Module for Zone 2 penetrat	ions.
			/
	2.4	VERIFY/CLOSE the integration valve on the face of	
	2.4	Electrical Penetration Module for Zone 2 penetration	each
		penetrat:	ions.

2.5	VERIFY/CLOSED the following valves for the Zone 2 Penetration Nitrogen Supply Hdr:	Electrical
	1NTO41B	,
	1NTO15B	',
	1NTO39B	
	INTO39F	
	1NTO13B	
	1NTO06B	
	1NTO38B	
	1NTO4OB	
	1NTOO1B	/
2.6	VERIFY Zone 2 Relief Valve 1NTO14B is installed.	
2.7	VERIFY Zone 2 Rupture Disc 1NTO1MB or a pipe cap is installed on pipeline 1NTO7AB 1/2".	
2.8	REMOVE the threaded pipe cap on the Zone 2 pressur connection pipeline downstream of 1NTO15B.	re test
2.9	ATTACH the Flowmeter Test Rig and adapter to pipel of 1NTO158.	ine downstream
2.10	VERIFY/CLOSE INTO168 is CLOSED.	/_
2.11	DISASSEMBLE the compression fitting of the pipelin downstream of valve 1NTO16B.	e immediately
2.12	VERIFY/OPEN the following valves for the Zone 2 El Penetration Nitrogen Supply Hdr:	ectrical
	1NTO17B	
	1NTO18B	
	1NTO19B	
	1NTO20B	
	1NTO21B	',
	1NTO22B	
	1NTO23B	
	1NTO24B	
	1NTO25B	
	1NTO26B	
	1NTO27B	/
	1NTO288	1
	1NTO07B	
	1NTO158	/
****	*********	
*	NOTE	*
* Us	e N <sub>2</sub> for gas supply in the next step.	
****	*********************************	

2.13	LINE UP the Flowmeter To of Attachment A.	est Rig per the Pressurizati	on Procedure
2.14	Throttle OPEN 1NTO168 to	purge the N <sub>2</sub> Supply Header	
2.15	CLOSE INTO16B after at 1	least 1 minute of purging	/
2.16	.REASSEMBLE the compressi	on pipe fitting downstream	of 1NTO16B.
2.17	OPEN INTO16B.		_/
2.18	ALIGN a flowmeter to the	test volume.	_/
2.19	handle isolation valves) 5 minutes.	and other required data belo ation N <sub>2</sub> Supply Header (Up after monitoring flowmeter	to black
	Flow meter type used Leakage Rate indicated o	n the	_/
	FlowmeterS	CEU /1 CCEU \	,
		sig	'
		F	
2.20	ALIGN valve C to the Flo	wmeter Bypass Line.	/
2.21	directly below the indiv	olation valves which are mou idual electrical penetration lectrical penetrations and p psig:	nraccura
	Penetration E-01, Equip.	No. 1RCO3F	,
	Penetration E-02, Equip.	No. 1AP84EA	
	Penetration E-03, Equip.	No. 1LV10E	-,
	Penetration E-04, Equip.	No. 1VPO4E	
	Penetration E-05, Equip.	No. 1LVO4F	',
	Penetration E-06, Equip.	No. 1LVO3E	
	Penetration E-07, Equip.	No. 1SIOSE	
	Penetration E-08, Equip.	No. 1AP85EC	,
	Penetration E-09, Equip.	No. 1RYOSE	
	Penetration E-10, Equip.	No. 1RYOSE	
1	Penetration E-11, Equip.	No. 1STO2F	
	Penetration E-12, Equip.	No. 1STOAF	
- 1	Penetration E-13, Equip.	No. 11 VOGE	
1	Penetration E-14, Equip.	No. INROAF	
1 18	A KATHARA TAKKAL TAKA,		

****************	***
* NOTE	*
*	*
* There are no spare electrical penetrations in Zone	2 *
*****************	
2.22 OPEN the integration valve on the face of the p	onotrations by
turning the narrower hex nut counter- clockwise	annrovimately
1/2 to 1 full turn. Do not remove the valve fr	om ite nort but
the valve should be verified to be free to turn	with finance for
each of the following penetrations:	with fingers for
out of the following period actors.	
Penetration E-O1, Equip. No. 1RCO3E	1
Penetration E-O2, Equip. No. 1AP84EA	
Penetration E-03, Equip. No. 1LV10E	
Penetration E-04, Equip. No. 1VPO4E	
Penetration E-05, Equip. No. 1LVO4E	,
Penetration E-06, Equip. No. 1LVO3E	
Penetration E-07, Equip. No. 1SIO8E	
Penetration E-08, Equip. No. 1AP85EC	
Penetration E-09, Equip. No. 1RYO6E	
Penetration E-10, Equip. No. 1RYO5E	
Penetration E-11, Equip. No. 1SIO2E	
Penetration E-12, Equip. No. 1SIO4E	
Penetration E-13, Equip. No. 1LVO6E	
Penetration E-14, Equip. No. 1NRO4E	
2.23 ALIGN a flowmeter to the test volume.	/
2.24 RECORD the leakage rate for Zone 2 and other red	quired data after
monitoring the flowmeter at least 15 minutes.	
Flow meter type used	/
Leakage Rate indicated on the FlowmeterSCF	H/
Pressurepsig	_/
Temperature°F	/
***************************************	
******************	****
* NOTE	*
*	*
* The leakage for all Zone 2 Electrical	*
* Penetration Modules should be less than 1.5	*
* SCFH.	*
*********************************	****
2 25 51 005 11- / 1-1/	
2.25 CLOSE the isolation valves located directly belo	ow the individual
electrical penetration pressure gauges for these	e Zone 2
Electrical penetrations:	

-11-

A 1 40-2	Penetration E-01, Equip. No. 1RC03E	,
	renetration E-O2, Equip. No. 1AP84EA	',
	Penetration E-03, Equip. No. 1LV10E	
	Penetration E-04, Equip. No. 1VPO4E	
F 2 M K	Penetration E-05, Equip. No: 11,004E	
	Penetration E-06, Equip. No. 1LVO3E	',
	Penetration E-07, Equip. No. 1SIO8E	',
	Penetration E-08, Equip. No. 1AP85EC	',
	Penetration E-09, Equip. No. 18YO6E	/-
	Penetration E-10, Equip. No. 1RYO5E	
	Penetration E-11, Equip. No. 1SIO2E	
	Penetration E-12, Equip. No. 1SIO4E	
	Penetration E-13, Equip. No. 1LVO6E	
	Penetration E-14, Equip. No. 1NRO4E	/-
	THROAL	
2.26	Use the Depressurization Procedure of Attachment	A. ,
2.2/	REMOVE the Flowmeter Test Rig and adapter from the	ne pipe.
2.28	.CLOSE Pressure Test Connection Isolation Valve 1M	TO15B.
		/_
2.29	CAP the pipe downstream of valve INTO15B.	/_
2.30	OPEN the following valves:	
	1NTO41B	
	1NTO39B	
	1NTO39F	
	1NTOO6B	
	1NTO38B	/_
	1NTO4OB	/
	INTOOIB	/
	1010010	/
B Tes	its	
Zone	3 Electrical Penetration Local Leakage Rate Test	(E43 - E56)
****	***************************************	4 ¥
*	NOTE	*
*		~
* Zo	ne 3 Electrical Penetrations are located @ 420'	*
	vel, R11 Containment Wall. For additional	~
* 10	formation see Attachment B.	*
4 16		M.
* in	*******	*
* in	***************************************	*
* in	RECORD the Test Rig Calibration Data	*
* in * in *****	RECORD the Test Rig Calibration Data	*
* in * in *****	RECORD the Test Rig Calibration Data	*
* in * in ****** 3.1 Flowm Seria	RECORD the Test Rig Calibration Data  eter Type Accuracy + SCFH    Cal Date Cal Due Date	*
* in * in ****** 3.1 Flowm Seria	RECORD the Test Rig Calibration Data	*

Туре

3.

Seri Seri	sure Gauge (0-60 PSIG) al #Cal Date /
Ther	mometry Equipment
Seri	al #'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.
	**************************************
	* MOTE *
	* The following steps are preparing the Zone 3 * * electrical penetrations for testing. *
	*****************************
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:
	1NTO41C /
	1NTO15C
	1NTO39C
	1NTO39G
	1NTO13C/
	INTOO6C //
	INTO38C
	1NTO4OC
	1NTOO1C/
3.6	VERIFY Zone 3 Relief Valve 1NTO14C is installed/
3.7	VERIFY Zone 3 Rupture Disc 1NTO1MC or a pipe cap is installed on pipeline 1NTO7AC 1/2".
3.8	REMOVE the threaded pipe cap on the Zone 3 pressure test connection pipeline downstream of INTO15C.
3.9	ATTACH the Flowmeter Test Rig and adapter to pipeline downstream of INTO15C.
3.10	VERIFY/CLOSED INTOZOC.
3.11	VERIFY/REMOVE the spare electrical penetration fill connection pipe cap downstream of valve 1NTO2OC.

3.12	Electrical Per	netration N	litrogen Supply	Hdr:	the Zone 3		
	INTO16C	OPEN			,		
	1NTO17C	OPEN	The Balance of the		/		
	1NTO18C	OPEN					
	1NTO19C	OPEN			',		
	1NTO21C	OPEN					
	1NTO22C	CLOSED			',		
	1NTO23C	OPEN					
	1NTO25C	OPEN					
	1NTO26C	CLOSED					
	11/T027C	OPEN			',		
	1NTO28C	CLOSED					
	-1NT007C	OPEN			',		
	1NT015C	OPEN					
	******	******	*******	******	**		
	*		NOTE		*		
	*		110111		*		
	* Use No for	gas supply	in the next st	en	*		
	*********	*****	******	*****	××		
3.13	LINE UP the Fl of Attachment	owmeter Te A.	st Rig per the	Pressuriza	tion Procedure		
3.14	Throttle OPEN	1NTO2OC to	purge N <sub>2</sub> Suppl	y Header.	/		
3.15	CLOSE valve 1N	TO2OC afte	r at least 1 mi	nute of pu	rging.		
3.16	REPLACE the pi	pe cap on nstream of	the spare elect	rical pene	tration fill		
			1010200.		/		
3.17	ALIGN a flowme	ter to the	test volume.		/		
3.18	RECORD the leakage rate and other required data below for the Zone 3 Electrical Penetration $N_2$ Supply Header (Up to black handle isolation valves) after monitoring flowmeter for at least 5 minutes.						
	Flowmeter type	used			,		
	Leakage Rate i	Leakage Rate indicated on the					
	Flowmeter		CFH (1 SCFH max	.)	1		
	Pressure		sig				
	Temperature	• 1					
3.19	ALIGN valve C	to the Flow	wmeter Bypass L	ine.			

3.20 OPEN the black handle isolation valves which a directly below the individual electrical penet gauge for these Zone 3 Electrical penetrations them to approximately 45 psig:	ration pressure
Penetration E-43, Equip. No. 1LV01E	,
Penetration E-44, Equip. No. 1SIO3E	
Penetration E-45, Equip. No. 1SIO1E	
Penetration E-46, Equip. No. 151012	
Penetration E-47, Equip. No. 1RC01E	
Penetration E.49, Equip. No. 1800E	
Penetration E-48, Equip. No. 1AP85EA	
Penetration E-49, Equip. No. 1VPO1E	/
Penetration E-50, Equip. No. 1NRO3E	/
Penetration E-51, Equip. No. 1SIO7E	/
**********************	****
* 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 turning the narrower hex nut counter- clockwise	e approximately
1/2 to 1 full turn. <u>Do not remove</u> the valve fi the valve should be verified to be free to turn each of the following penetrations:	rom its port, but
the valve should be verified to be free to turn each of the following penetrations:	rom its port, but
the valve should be verified to be free to turn each of the following penetrations:  Penetration E-43, Equip. No. 1LVO1E Penetration E-44, Equip. No. 1SIO3E	rom its port, but
the valve should be verified to be free to turn each of the following penetrations:  Penetration E-43, Equip. No. 1LVO1E Penetration E-44, Equip. No. 1SIO3E	rom its port, but
the valve should be verified to be free to turn each of the following penetrations:  Penetration E-43, Equip. No. 1LVO1E Penetration E-44, Equip. No. 1SIO3E Penetration E-45, Equip. No. 1SIO1E Penetration E-46, Equip. No. 1LVO5E	rom its port, but
the valve should be verified to be free to turn each of the following penetrations:  Penetration E-43, Equip. No. 1LVO1E Penetration E-44, Equip. No. 1SIO3E Penetration E-45, Equip. No. 1SIO1E Penetration E-46, Equip. No. 1LVO5E	rom its port, but
the valve should be verified to be free to turn 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	rom its port, but
the valve should be verified to be free to turn each of the following penetrations:  Penetration E-43, Equip. No. 1LVO1E Penetration E-44, Equip. No. 1SIO3E Penetration E-45, Equip. No. 1SIO1E Penetration E-46, Equip. No. 1LVO5E	rom its port, but
the valve should be verified to be free to turn each of the following penetrations:  Penetration E-43, Equip. No. 1LVO1E Penetration E-44, Equip. No. 1SIO3E Penetration E-45, Equip. No. 1SIO1E Penetration E-46, Equip. No. 1LVO5E Penetration E-47, Equip. No. 1RCO1E Penetration E-48, Equip. No. 1AP85EA Penetration E-49, Equip. No. 1VPO1E	rom its port, but
the valve should be verified to be free to turn each of the following penetrations:  Penetration E-43, Equip. No. 1LVO1E Penetration E-44, Equip. No. 1SIO3E Penetration E-45, Equip. No. 1SIO1E Penetration E-46, Equip. No. 1LVO5E Penetration E-47, Equip. No. 1RCO1E Penetration E-48, Equip. No. 1AP85EA Penetration E-49, Equip. No. 1VPO1E	rom its port, but
the valve should be verified to be free to turn each of the following penetrations:  Penetration E-43, Equip. No. 1LVO1E Penetration E-44, Equip. No. 1SIO3E Penetration E-45, Equip. No. 1SIO1E Penetration E-46, Equip. No. 1LVO5E Penetration E-47, Equip. No. 1RCO1E Penetration E-48, Equip. No. 1AP85EA Penetration E-49, Equip. No. 1VPO1E Penetration E-50, Equip. No. 1NRO3E	rom its port, but
the valve should be verified to be free to turn 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	rom its port, but n with fingers for
the valve should be verified to be free to turn each of the following penetrations:  Penetration E-43, Equip. No. 1LVO1E Penetration E-44, Equip. No. 1SIO3E Penetration E-45, Equip. No. 1SIO1E Penetration E-46, Equip. No. 1LVO5E Penetration E-47, Equip. No. 1RCO1E Penetration E-48, Equip. No. 1AP85EA Penetration E-49, Equip. No. 1VPO1E Penetration E-50, Equip. No. 1NRO3E Penetration E-51, Equip. No. 1SIO7E  3.22 ALIGN a flowmeter to the test volume.  3.23 RECORD the leakage rate for Zone 3 and other remonitoring the flowmeter for at least 15 minute	rom its port, but n with fingers for
the valve should be verified to be free to turn 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 remonitoring the flowmeter for at least 15 minute.	rom its port, but n with fingers for
the valve should be verified to be free to turn 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 remonitoring the flowmeter for at least 15 minute.  Flowmeter type used Leakage Rate indicated on the FlowmeterSC	rom its port, but n with fingers for
the valve should be verified to be free to turn 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 remonitoring the flowmeter for at least 15 minute.	rom its port, but n with fingers for

		*****************	×
		* 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 Zone 3 Electrical Penetration	×
		* Modules should be less than 1.5 SCFH.	*
		****************	*
	3 24	CLOSE the black bandle inclution walker land of	
	3.24	CLOSE the black handle isolation valves located di the individual electrical penetration pressure gau	rectly below
		Zone 3 Electrical penetrations:	ges for these
		and a second sear period actions.	
		Penetration E-43, Equip. No. 1LVO1E	,
		Penetration E-44, Equip. No. 1SIO3E	
		Penetration E-45, Equip. No. 1SIO1E	
		Penetration E-46, Equip. No. 1LVO5E	
		Penetration E-47, Equip. No. 1RCO1E	
		Penetration E-48, Equip. No. 1AP85EA	
		Penetration E-49, Equip. No. 1VPO1E	
		Penetration E-50, Equip. No. 1NRO3E	
		Penetration E-51, Equip. No. 1SIO/E	
		renetration E-31, Equip. No. 1510/E	
	3.25	Use the Depressurization Procedure of Attachment A	
		The state of the s	,
	3.26	REMOVE the Flowmeter Test Rig and adapter from the	nine
		name of real ray and daupter from the	pipe.
	3.27	CLOSE Pressure Test Connection Isolation Valve INT	0150
		3200 11000 7000 35111000000 1301401011 14100 1111	/
	3.28	CAP the pipe downstream of valve INTO15C.	1
	3.29	OPEN the following valves:	
		1NTO41C	1
		1NTO39C	
		1NTO39G	
		1NTO06C	
		1NTO38C	
		1NTO4OC	
		1NT001C	
		INTOOLG	
Type	B Tes	ts	
.,,,	7 110		
4.	Zone	4 Electrical Penetration Local Leakage Rate Test	
		- E42)	
	(		
	****	************************************	
		ne 4 Electrical Penetrations are located 6 435'	*
		vel, R11 Containment Wall. For additional	
		formation see Attachment 14.4.	
	- Annual State of the State of	FORMATION SEE HTTACHMENT 14.4.	
	22 22 24 PE PE		

Flou	wmeter Type Accuracy + SC	FH
Ser	ial # Cal Date Cal Due Date	1
Flou	wmeter Type Accuracy + SCI ial # Cal Date Cal Due Date	-u
Ser	ial # Cal Date Cal Due Date	n ,
Pres	ssure Gauge (0-60 PSIG)	
Ser	ial #Cal Date Cal Due Date	/
Ther	rmometry Equipment	
Seri	ial #'s Cal Date Cal Due Date	1
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 elepenetrations for testing.	ectrical
4.3	VERIFY/CLOSE the black handle isolation valve lo	cated on each
	Electrical Penetration Module for Zone 4 penetra	ation.
	The season of th	/
	WENTER OF THE CO.	
4.4	VERIFY/CLOSE the integration valve on the face of	of each
	Electrical Penetration Module for Zone 4 penetra	ition.
		/
4.5	VERIFY/CLOSE the following valves for the Zone 4	Floctrical
	Penetration Nitrogen Supply Hdr:	crocci rear
	1NTO41D	1
	1NTO15D	
	1NTO39D	
	1NTO39H	
	1NTO13D	/
	1NTOO6D	/_
	1NTO38D	/
	1NTO40D	/
	1NTOO1D	/
4.6	VERIFY Zone 4 Relief Valve 1NTO14D is installed.	
	The state of the s	,
4.7		
	is installed on pipeline 1NTO7AD 1/2".	1
	DEMONS AND ADDRESS OF THE PARTY	
4.8	REMOVE the threaded pipe cap on the Zone 4 press	ure test
	connection pipeline downstream of 1NTO15D.	
		/
1.9	AITACH the Flowmeter Test Rig and adapter to pip	alian desmet

4.10	CLOSE or Verify 1	NTO27D is CLOSED.	/
4.11		spare electrical penetration of valve INTO27D.	on fill connection
4.12		he following valve position ation Nitrogen Supply Hdr:	s for the Zone 4
	1NT016D	CLOSED	1
	1NTO17D	OPEN	
	1NT018D	OPEN	
	1NTO19D	CLOSED	
	1NTO2OD	OPEN	
	1NTO21D	OPEN	
	1NT022D	OPEN	
	1NTO23D	OPEN	
	1NTO24D	OPEN	
	1NTO25D	GPEN	
	1NTO26D	OPEN	',
	1NTO28D	OPEN	
	1NT007D	OPEN	
	1NTO15D	OPEN	
	TMIOTOD	OPEN	
	*******	*************	*****
	*	NOTE	*
	* Use No for gas	supply in the next step.	*
	********	***************	*****
4.13		eter Test Rig per the Pressi	urization Procedur
	of Attachment A.		/
	Thought a ODEN INTO	2270 to summer the N. Guest.	Here days
4.14	Inrottle OPEN INIC	027D to purge the N2 Supply	Header.
			/
4.15	CLOSE INTOZZD afte	er at least 1 minute of pure	nina
	SECOL INTOLID GIVE	or de rease r minace or part	, ing.
4.16	REPLACE the pipe of connection downstr	cap on the spare electrical ream of INTO27D.	penetration fill
			/
4.17	ALIGN a flowmeter	to the test volume.	/
4.18	Zone 4 Electrical	e rate and other required da Penetration N <sub>2</sub> Supply Head valves) after monitoring the	er (Up to black
	Flowmeter type use	ed	1
	Leakage Rate indic	The state of the s	
	flowmeter	SCFH 1SCFH max.)	,
	Pressure	psig	/,
	Temperature	psig	
	remperature	and the second s	

4.15	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:
	them to approximately 45 psig:
	Penetration E-29, Equip. No. 1LVO8E
	Penetration E-31, Equip. No. 1RD12E
	Penetration E-32, Equip. No. 1RD13E
	Penetration E-33, Equip. No. 1RCO2E
	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. 1NRO2E
	**************************************
	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. 1LVO8E
	Penetration E-31, Equip. No. 1RD12E
	Penetration E-32, Equip. No. 1RD13E
	Penetration E-33, Equip. No. 1RCC2E
	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. 1NRO2E
4.22	ALIGN a flowmeter to the test volume/
A 22	RECORD the leakage rate for Zone 4 and all
4.23	RECORD the leakage rate for Zone 4 and other required data after monitoring the flowmeter at least 15 minutes.
	monteoring the Howmeter at teast 13 minutes.

-19-

	Laskage Pate as Tedianted as the 51	/
	Leakage Rate as Indicated on the Flowmeter	SCFH
	Once a series of the series of	
	Pressurepsig	
	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 g	arrectly below
	Zone 4 Electrical penetrations:	auges for thes
	Zone 4 Crectifical penetrations.	
	Penetration E-29, Equip. No. 1LVO8E	,
	Penetration E-31, Equip. No. 1RD12E	/,
	Penetration E-32, Equip. No. 1RD13E	',
	Penetration E-33, Equip. No. 1RCO2E	
	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. 1NRO2E	
	renetration 2-42, Equip. No. INROZE	/
4.25	Use the Depressurization Procedure of Attachment	Α.
		/
4.26	REMOVE the Flowmeter Test Rig and adapter from t	he pipe.
		/
4.27	CLOSE Valve INIO15D.	,
,,,,,,	3000 1010 10101301	'
4.28	CAP the pipe downstream of valve 1NTO15D.	/_
A 20	OPEN the following valves:	
4.29	OPEN the following valves:	
	1NTO41D	1
*	1NTO39D	1
	1NTO39H	
	1NTO06D	
	1NTO38D	
	1NTO4OD	
	1NTOO1D	
		Management and an inches

Туре	B Te	ests	
5.	Fuel	Transfer Tube Penetration Blind Flange Leakage Ra	te Test
		**************************************	××
		* 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.	*
		************	××
	BLIN	D FLANGE O-RINGS	
	5.1	RECORD the required Test Rig instrument calibration	on data.
	Flow	meter Tune Accuracy to SCEN	
	Sori	meter Type Accuracy + SCFH al # Cal Date Cal Due Date	,
	Jei I	ar #car bate car bue bate	
	Flow	meter Type Accuracy + SCFH	
	Seri	meter Type Accuracy + SCFH al # Cal Date Cal Due Date	/
	Pros	sure Gauge (0-60 PSIG)	
	Seri	al #Cal Date Cal Due Date	,
	361 1	di vace cai bue bace	
	Ther	mometry Equipment	
	Seri	al #'s Cal Date Cal Due Date	
	5.2	REMOVE the plug in the 1/4" weld socket test connertuel Transfer Tube Weld neck flange.	ection on the
	5.3	ATTACH the Test Rig via an adapter to the 1/4" we connection.	ld socket test
	5.4	LINE UP the Flowmeter Test Rig per the Pressurizat of Attachment A.	tion Procedure
	5.5	ALIGN a flowmeter to the test volume.	
	5.6	RECORD the leakage rate for the BLIND FLANGE O-RIM required data after monitoring the flowmeter for a minutes.	
		Flowmeter type used	,
		Leakage Rate indicated on the Flowmeter	SCFH
		Pressurepsig Temperature *F	
		Tomper wood v	

	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 Transfer Tube Weld Neck Flange.	Fuel
6.	Equi	pment Door Double Gasket Local Leakage Rate Test	
	6.1	RECORD the Test Rig Calibration Data.	
	Flow	meter Type Accuracy + SCFH al # Cal Date Cal Due Date	/
	Flow	meter Type Accuracy <u>+</u> SCFH al # Cal Date SCFH	/
	Seri	sure Gauge (0-60 PSIG) al #Cal DateCal Due Date	/
	Ther	mometry Equipment al #'sCal Date Cal Due Date	/
	6.2	VERIFY the cart for the Equipment doors has been discorand removed.	nected
	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 per the sequence specified in the CB&I Instruction Manu	torqued al.
	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 test port.	in the
	6.8	LINE UP the Flowmeter Test Rig per the Pressurization P of Attachment A.	rocedure
	6.9	While allowing the pressure in the Equipment Door Gaske Interspace to stabilize, record the required data	t /
			Management and

Flow	meter Type		Accuracy +		SCFH	
Seri	al #	Cal Date	Accuracy ± Cal Due	Date		_/
Flow	meter Type		Accuracy +		SCEH	
Seri	al #	Cal Date	Accuracy + Cal Due	Date		_/
Pres	sure Gauge (0	-60 PSIG)				
Seri	al #	Cal Date	Cal Due	Date		_/
Ther	mometry Equip	ment				
Seri	al #'s	Cal Date	Cal Due	Date		_/
6.10	ALIGN a flow	meter to the	he test volume			_/
	Elementer to	r at least	on the Flowme			
	country nace	indicated	on the Flowing	ter		SCFH
	Pressure_ Temperature_		psig			
	Temperature_		·F			_/
6.12	Use the Depr	essurizatio	on Procedure o	f Attach	ment A.	_/
6.13	REMOVE the F port.	lowmeter Te	est Rig and add	apter fro	om the 1/	'4" NPT test
6.14	RE-PLUG the Inner Door B	1/4" NPT Ga ulkhead.	asket Interspace	ce Test I	Port on t	the Lock

#### G. ACCEPTANCE CRITERIA:

The combined leakage rate, including the measurement error, for all penetrations and values 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  $N_2$  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

Equipment #	NT Isol Valve
1VPO3E	1NTO17A
1RYO4E	1NTO19A
1RYO7E	1NTO21A
1LV02E	1NTO23A
1AP85ED	1NT025A
1RCO4E	1NTO27A
1AP84EB	1NT007A
1NRO1E	1NTO16A
1IC19E	1NT018A
1SI05E	1NTO2OA
1LVO7E	1NTO22A
SPARE	1NTO24A
1LV09E	1NTO26A
1AP84EC	1NTO28A
	1VPO3E 1RYO4E 1RYO7E 1LVO2E 1AP85ED 1RCO4E 1AP84EB 1NRO1E 1IC19E 1SIO5E 1LVO7E SPARE 1LVO9E

#### A2. ZONE 2 ELECTRICAL PENETRATIONS

Location - 437', R8 Containment Wall

E-1	1RCO3E	1NTO16B
E-2	1AP84EA	1NTO19B
E-3	1LV10E	1NTO21B
E-4	1VPO4E	1NTO23B
E-5	1LVO4E	1NTO25B
E-6	1LV03E	1NTO278
E-7	1SI08E	1NTOO7B
E-8	1AP85EC	1NTO1/B
E-9	1RYO6E	1NTO188
E-10	1RYO5E	1NTO20B
E-11	1SI02E	1NTO228
E-12	1SI04E	1NTO248
E-13	1LV06E	1NTO26B
E-14	1NRO4E	1NTO288

# (Continued)

# A3. ZONE 3 ELECTRICAL PENETRATIONS

Location - 420', R11 Containment Wall

<u>E1</u>	ectrical Pene #	Equipment #	NT Isol Valve
	E-43	1LV01E	1NT017C
	E-44	1SI03E	1NTO19C
1	E-45	1SI01E	1NTO21C
,	E-46	1LV05E	1NTO23C
	E-47	1RCO1E	1NTO25C
	E-48	1AP85EA	1NTO27C
	E-49	IVPO1E	1NT007C
	E-50	1NRO3E	1NTO16C
	E-51	1SI07E	1NTO18C
	E-52	SPARE	1NTO2OC
	E-53	SPARE	1NTO22C
	E-54	SPARE	1NTO24C
	E-55	SPARE	1NTO26C
	E-56	SPARE	1NTO28C

#### A4. ZONE 4 ELECTRICAL PENETRATIONS

Location - 420', R11 Containment Wall

Electrical Pene #	Equipment #	NT Isol Valve
E-29	1LV08E	1NT017D
E-30	SPARE	1NTO19D
E-31	1RD12E	1NTO210
E-32	1RD13E	1NTO23D
E-33	1RCO2E	1NTO25D
E-34	SPARE	1NTO270
E-35	1SI06E	1NTOO/D
E-36	SPARE	INTO1 D
E-37	1RD15E	1NTO18U
E-38	1RD16E	1NTO2OD
E-39	1RD1/E	1NTO22D
E-40	1VPO2E	1NTO24D
E-41	1AP85EB	1NTO26D
E-42	1NRO2E	1NTO28D

# ATTACHMENT 8 (Continued)

- B) FUEL TRANSFER TUBE
  - 81. Containment Side Blind Flange (Double O-rings)
- C) Equipment Door/Integral Personnel Lock
- C1. Equipment Door Seals Double O-ring

The state of the s

#### ATTACHMENT C

the little to the

Sheet 2 of 2

# LOCAL LEAKAGE RATE DETERMINATION

#### PRESSURE DECAY METHOD

DATA SEC Test Step	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAMED IN COLUMN TW	from _		/_			
, In	NITIAL READ	ING		FINAL	READING		
AMBIENT TEMP.*F	PRESSURE PSIG P1	TIME	INITIAL/DATE	AMBIENT TEMP. *F	PRESSURE PSIG P2	TIME	INITIAL/DA
		-					/_
CALCULATI	ONS SECTION	V					
P <sub>la</sub> (psia	od Test Dura $P_1$ (psi	ation (t ig) + 14 460° = Cal	clume (V) c.7psi =ps    *R  culated Leakage or associated (	ia P <sub>2a</sub> (psi T <sub>2a</sub> (° e Rate	R) = T <sub>2</sub> (*F) L <sub>R</sub> =	+ 460* =	*R
Calculati	ons perform			aren ceanay	Date:		SCFH
* Volume	Leakage Rat	е					
LR =	35.9 V	-	)	t = test d	test free ai uration (hou ven in absol nd *R	rs)	:3)

\* Error associated with Leakage Rate

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

BVS 6.1.1.c-1 Revision 0

ATTACHMENT D

Sheet \_\_of\_\_

LOG SHEET

PENETRATIONS SPENED SASSEAUENT TO
A TYPE A OF REAKRATE TEST

A STATEMENT OF APPLICABILITY The purpose of this produce is to perform a Type B leads 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 psis, and verifying that when the measured leabage rate for these seeds in added to the readage rates determined pursuant to Specification 4.6.1.2d for all other Type B and C penetrations, the combined leabage rate is less than 6.60 La.

# B. REFERENCES:

- 1. Tachnical sperficutions
- in Manufacturers Instruction Manuals

  Conax Electrical Penetrations Conax corp., 1-191

  Fuel Transfer System Technical Manual, Western Rouse Sectural Corp., F-138
- 3 Structural Crawings S. 844 Fuel Transfer Tube Slewe Octail
- 1000RSO, Repender J ANSI NYS.4-1972

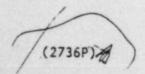
Electrical Schematic 6E-1-3503x Electrical Ponetration Schodul Electrical Schematic 6/20E-1-4030CV21, 1AOV CV81498 Letdown Orifice Electrical Schematie 6/20E-1-4144A Aux Relay Cab. Flactrical Schematic-6/20E-1-4144F x Aux Relay Cab. Train B Electrical Schematic 6/20E-1-4030RE03 - Rx Coolant Drn. Po Rev. H \_Electrical Schematic 6/20E-1-41488 Aux. Safeguards Relay Cab. Train A 1RA271 Re-Electrical Schematic 6/20E-1-41480 Aux. Safeguards 10CFR50 Appendix J ANSI N45.4- 1972 IEEE Std. - 317.

#### C. PREREQUISITES:

- 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.
- 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 (-24)
  - f. Snoop (Several Bottles) (1-24)
  - g. Teflon Tape (1-24)

A. Tygon for draining penetrations (1-24)

Adapters for test rig to test volume (1-24)



Stop Watch (1-24) Serial # Accy Ck Due	
75). Stop Materi (1-24) Serial " nety Sk See	-
k. 1/2" Pipe Cap (2)	
The state of the same of the state of the st	
PRECAUTIONS:	
And the second s	
<ol> <li>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.</li> </ol>	

- 2. Se Not exceed the design pressure of the system being tested.
- 2. Do Not use combustible gases for testing ---
- 3 A. 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 & 6.1.1a.1

BOS 6.1.2 a-la as appropriate. Have the Shift Engineer complete the

\$ummary of Results section on the Data Package Cover Sheet.

MAIN BODY:

\* 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.

Typistylane right of F. HAIN COUNTY

The following procedure consists of 6 independent sections. Only perform the applicable sections.

Place an X' in the bland 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				
Lukar .	ZONE	4		tyse, i.e.		
Nation lands	-					
	Equio. D	r. Gustat				

The state of the s

CATA SHEET I 4 (SCFH)

	1	. 2	3	ч	-	- 6
	201E 1	PONE 2	forte 3	ZONE 4	FIT	Equip or 6.
A) Previous leakage rate		#	+ ****		4	+
3) New leakage rate		200 200				
.c) RON B - RON A			t			
D) SUM COLUMNS I Thin 6						
Previous total of Estimates -	±					
ROWD+ROWE **	_ e	¢ (Accoptan	ce Critaria	4274.0	SCCH)	

\* Place "NA" in columns that are not being word.

\*\* The summation of the error soluble be done using

Error ToTal = (E, 2 + E 2 + 0 00) /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:

Barton 581A differential pressure switches (F1S-610, 611)	Submitted May 2, 1984
Rock vell 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:

Barton 288A differential pressure switches (FIS-610, FIS-611)	Attachment A
motor brakes for valves ICC 9413A, B, ICC 9414, and ICC 9416	В
centrifugal charging pumps	С
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 1009413A, 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 cocling to the thermal barrier are in service there is no need to postulate thermal barier failure.
- 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 similarily 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 x  $10^7$  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.

# 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 10050 controls the flow of cooling water to the primary containment penetrations for the hot and cold leg piping. Valve 10053 controls the flow of cooling water to the main steam piping penetration in the biological shield.

Rev. Z

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 boundry 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 occuring 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 10050 and 10053 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. 10050 and 10053) 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 INITATION 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.

PROJECT NUM REVISION	1000	0	COM	COMMUNICATIVE	ENTIFICATION				COLUMN TOWN	22.2	00D STATION & 2)	PAGE DATE	:	1 OF 477 O1 SEP 84
EQUIPMENT NUMBER		TYPE OF EQUIPMENT		MFG	TYPE/MODEL	SDG	COL	WCS	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
2FT -AFOI1		W TRANSMITTR	The state of the s		1153DBa FT76						6/20E-0-3313 C	2AF077 2PL84JA	A	A10E08
2FT -AFO12	AF FLO	W TRANSMITTR	F/L2906	RMT	1153DB8 FT76	AUX	025	NX	0364	A10	6/20E-0-3313 C €/20E-2-4101F	2AF079 2PL84JB	A	A 10E08
2FT -AFO13	AF FLO	W TRANSMITTR	F/L2906	RMT	1153D88 FT76	AUX	024	NX	0364	A10	6/20E-0-3313 C 6/20E-2-4101E	2AF077 2PL84JA	A	A 10E08
2FT -AFO14	AF FLO	W TRANSMITTR	F/L2906	RMT	1153DB8 FT76	AUX	025	NX	0364	A10	6/20E-0-3313 C	2AF079 2PL84JB	A	A 10E08
2FT -AFO15	AF FLO	W TRANSMITTR	F/L2906	RMT	1153DB8 FT76	AUX	024	NX	0364	A10	6/20E-0-3313 C	2AF077 2PL84JA	A	A 10E08
2FT -AFO16	AF FLC	W TRANSMITTR	F/L2906	RMT	1153DB8 FT76	AUX	025	NX	0364	A 10	6/20E-0-3313 C 6/20E-2-4101F	2AF079 2PL84JB	A	A 10E08
2FT -AFO17	AF FLO	W TRANSMITTR	F/L2906	RMT	1153DB8 FT76	AUX	024	NX	0364	A10	6/20E-0-3313 C	2AF077 2PL84JA	Α	A 10E08
2FT -AFO18	AF FLO	W TRANSMITTR	F/L2906	RMT	1153DB8 FT76	AUX	025	NX	0364	A10	6/20E-0-3313 C	2AF079 2FL84JB	A	A10E08



PROJECT NUMBER: 4391-00 REVISION : 0 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 2 OF 477 DATE : 01 SEP 84

A 10E08

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

ARAMETER : PLT DES: QL		.:QUALIF		QUALIFICATION DOCUMENT REFERENCE	: REMARKS	: COMP
	*********	= : ======				
EMP DEG F : 122 :	318	: TYPE	TEST	ROSEMOUNT REPORT NO. 108025	REFER TO ENVIRONMENTAL QUALIFICATION BINDER	: A 10E0
		\$		REV. A. DATED 02/04/81.	:NO. EQ-BBO61 FOR COMPLETE DOCUMENTATION	
RESS PSIG :-0.5 TO:	73	: TYPE	TEST		:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
:O IN.WG:						
EL HUMID %: 70 :	100	: TYPE	TEST			
		1				2.
ADIATION : 1EO7 :	2.4E07	: TYPE	TEST			
		4				
HEM SPRAY : N/A :	N/A	: N,	A			
PE TME MN : CONT. :	CONT.	: TYPE	TEST			2
JAL. LIFE: 40 :	7.5 YRS.	: TYPE	TEST			
		1				
UBMERGENCE: N/A :	N/A	: N/	A			2



PROJECT NUM REVISION	MBER: 4391-00 : 0	COMMONWEALTH EDI IDENTIFICAT		RAIDWOOD STATION	PAGE DATE	: 3 OF 477 : O1 SEP 84
EQUIPMENT NUMBER ====================================	TYPE OF SY EQUIPMENT VA HVAC PUMP CUB. COOLER FAN		DEL BDG COL ROW ELEV	ENVR SCHEMATIC DIAGRAM/ ZONE WIRING DYAGRAM NO.	PANEL NO CAT	. NUMBER
1VA07CB	VA HVAC PUMP CUB.	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.	F/L2900 TRA	FB 040	A12 N/A	N/A N/A	A12G05



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 4 OF 477 DATE : 01 SEP 84

A 12G05

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

PARAMETER :FLT DES:QU	the state of the s	IFICATION T REFERENCE	: REMARKS	: COMP : NUMBER
PRESS PSIG :009 :		N/A	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. CQD- N/A FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.  ITEMS DO NOT CONTAIN ANY NON-METALLIC COMPON-	: A : 2GOS
RADIATION : 1E07			:ENTS; THEREFORE NO E.Q. IS REQUIRED. :NO BINDER IS REQUIRED.	
CHEM SPRAY : N/A :				
DPE TME MN : CONT. :				
QUAL. LIFE :40 YRS.:				
SUBMERGENCE: N/A :				



PROJECT NUM REVISION	MBER: 4391-00 : 0		ENTIFICATION	DAT		BYR			OOD STATION & 2)	PAGE DATE		5 OF 477 O1 SEP 84
EQUIPMENT NUMBER	TYPE OF SY EQUIPMENT	PURCHASE SPEC.NO. MFG		BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
1LT -930	SI LEVEL TRNSMTTER				015					151467	A	A12E7C
1LT -931	SI LEVEL TRNSMTTER	F/L2702 BRN	752	XUA	013	88	0379	A12	6/20E-0-3316 C 6/20E-1-4030 SIO2 6/20E-1-4109C	151468	A	A12E7C
1LT -932	SI LEVEL TRNSMTTER	F/L2702 BRN	752	AUX	013	ВВ	0379	A12	6/20E-0-3316 C 6/20E-1-4030 SIO3 6/20E-1-4109C	151469	A	A12E7C
1LT -933	SI LEVEL TRNSMTTER	F/L2702 BRN	752	AUX	013	AA	0379	A12	6/20E-0-3316 C 6/20E-1-4030 SIO4 6/20E-1-4109C	151470	Α	A12E7C



PROJECT NUMBER: 4391-00 REVISION : O

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 6 OF 477 DATE : 01 SEP 84

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

PARAMETER :			FICATIO		FICATIO	N:	DOCUMENT			REMARKS	: COMP : NUMBE
		: ====						********	;	********************************	***; ****
TEMP DEG F :	122		130	: TYI	E TEST			EQUIPMENT 4A & 4B.		EFER TO ENVIRONMENTAL QUALIFICATION BINDER D. EQDP-ESE-4 FOR COMPLETE DOCUMENTATION	: A12E7
PRESS PSIG :	0		0	: TYI	E TEST					ACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %:	70		100	: TY	E TEST						
RADIATION :	1E06		1E04	: TY	E TEST	;					
CHEM SPRAY :	N/A	:	N/A	1	N/A	1					
OPE THE MN :	SHORT			TEST	ANALYSI	s:					
		1				1					
QUAL. LIFE :	40 YRS.	2		:TEST	ANALYSI	S:					
SUBMERGENCE:	N/A	:	N/A		N/A	:					



PROJECT NUMBER: 4391-00 REVISION : 0	COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STA IDENTIFICATION DATA SHEET (UNITS 1 & 2)	TION PAGE : 7 OF 477 DATE : 01 SEP 84
EQUIPMENT TYPE OF NUMBER SY EQUIPMENT	PURCHASE SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING	DIAGRAM NO. PANEL NO CAT. NUMBER
1TS -VAO12 VA TEMP SWITCH	F/L2783 UEL C303D-103 AUX 018 ZX 0401 A12 6/20E- TS504 6/20E-	[6] 보통 (1985년 1984년 1987년 1
2TS -VAO12 VA TEMP SWITCH	F/L2783 UEL C303D-103 AUX 019 ZX 0401 A12 6/20E- TS504 6/20E- 6/20E-	0-3337 C 2VA175 A A12E10



PROJECT NUMBER: 4391-00 REVISION . 0 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
QUALIFICATION DATA SHEET (UNITS 1 & 2)

-----

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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

PARAMETER :			T	0.70				: COMP
PARAMETER .	-			JIV .	MET	100	## ###################################	: NUMBE
TEMP DEG F :		MAX:			TYPE	TEST		: A 12E 10
PRESS PSIG :		TO:	AMBIENT		TYPE	TEST	:2)AETC RETEST REP. NO. :PACKAGE ASSOCIATED WITH THIS EQUIPMENT. : 18987-84N, DATED 12/21/83.:	
REL HUMID %:			90		TYPE	TEST		
RADIATION :	1E0	)7 :	1E07		TYPE	TEST	: [1] [1] [1] [1] [1] [1] [1] [1] [1] [1]	
CHEM SPRAY	N/	A :	N/A	1	N/	'Α	흥분 기계를 가게 하는데 그렇게 되는데 되는데 얼마나 없었다. 얼마나 없다	
OPE THE MN :	CON	IT.	CONT.	1	TYPE	TEST		
QUAL. LIFE :	40 1	RS.:	8.9 YRS.		TYPE	TEST	# 100kg 12kg 15kg 15kg 15kg 15kg 15kg 15kg 15kg 15	
SUBMERGENCE :	N/	A :	N/A		N/	A		



PROJECT NUME REVISION	BER	4391-00	СОМІ		EALTH EDISON (			- BYR			00D STATION 8 2)	PAGE DATE	:	9 OF 477 O1 SEP 84
		TYPE OF EQUIPMENT TERMINAL BLOCK	PURCHASE SPEC.NO.	MFG.	TYPE/MODEL CR151B2- NUC	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER .======= A 12E6V
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR15182- NUC	AUX	018	zx	0401	A12		2VA12J	A	A12E6V



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION REVISION : 0 QUALIFICATION DATA SHEET (UNITS 1 & 2)

REVISION : O QUALIFICATION DATA SHEET (UNITS 1 & 2) DATE : O1 SEP 84

A12ESV

PAGE : 10 OF 477

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

	NVIRONM PLT DES	ENT		FICATION:	QUALIFICATION DOCUMENT REFERENCE		REMARKS	: COM : NUMB
			ans; sames	:		:	****************	:
EMP DEG F :	122	130	: TYP		1)AET'S TEST REPORT NO. 15281, REV. 2- 10/14/83		MENTAL QUALIFICATION BIN	NDER :A12E
RESS PSIG :	0	: 0	: TYP	and the second second second	)AET'S RETESTING REPORT 18987-84N, DATED	NO .: PACKAGE ASSOCIATE	ED WITH THIS EQUIPMENT.	
EL HUMID %:	90	90	: TYP		DECEMBER, 1983.			
DIATION :	1E07	1E07	TYP	E TEST :				
EM SPRAY :	N/A	: N/A		N/A				
E TME MN :	CONT.	CONT.	TYP	E TEST :				
AL. LIFE :	10 VPS	: 40 YRS.	: TVP	E TEST				
			-:					
JBMERGENCE :	N/A	: N/A		N/A :				



PROJECT NUM REVISION	MBER: 4391-00 : 0	COMMONWEALTH EDISON IDENTIFICATION	N COMPANY - BYRON/BRAIDWOOD STATION N DATA SHEET (UNITS 1 & 2)	PAGE DATE	: 11 OF 477 : 01 SEP 84
EQUIPMENT NUMBER	SY EQUIPMENT VA INDICATOR	PURCHASE SPEC.NO. MFG TYPE/MODEL F/L2783 WES EZC	BDG COL ROW ELEV ZONE WIRING DIAGRAM NO.	PANEL NO CAT	T. NUMBER
N/A	VA INDICATOR	F/L2783 WES EZC	AUX 0401 A12	2VA12J A	A12E6F



PROJECT NUMBER: 4391-00 REVISION : O

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 12 OF 477 DATE : 01 SEP 84

A:2EGF

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

PARAMETER				IFICATIO	1	JALIFI METH	CATION		ICATION REFERENCE		REMARKS	: COMP : NUMBER
*********	. ==		:====		==:==				***********			
TEMP DEG F	\$	122	1	130	1	TYPE	TEST	: 1) AETC'S TEST	REPORT NO.	:REFER T	O ENVIRONMENTAL QUALIFICATION BINDER	:A12E6F
	:		*		1			: 15221, REV.	2- 10/14/83-	:NO. EQ-	BBO16 FOR COMPLETE DOCUMENTATION	
PRESS PSIG	1 - 1	5 TO	1	0		TYPE	TEST	:2)AETC'S RETE	STING REPORT	: PACKAGE	ASSOCIATED WITH THIS EQUIPMENT.	
	:0	IN.W	3:					: NO. 18987-8	MAN. DATED			
REL HUMID %	. 1	90		90		TYPE	TEST	DECEMBER.				
	16. 16.											
RADIATION	: 1	507	2	1E07		TYPE	TEST					
CHEM SPRAY	: 1	N/A	2	N/A		N/	Α					
	5		2		- 2							
OPE THE MN	: C	ONT.	: 4	CONT.		TYPE	TEST					
QUAL. LIFE	:40	YRS	.: 18	.5 YRS.		TYPE	TEST					
	*		2									
SUBMERGENCE	. 1	N/A		N/A	- 1	N/	Α	*				
			*									



PROJECT NUM REVISION	BER: 4391-00 : 0		ALTH EDISON		- BYR	AND THE PERSON NAMED IN		PAGE DATE	:	13 OF 477 O1 SEP 84
EQUIPMENT NUMBER	TYPE OF SY EQUIPMENT	PURCHASE SPEC.NO. MFG		BDG CC	L ROW	ELEV ZONE	SCHEMATIC DIAGRAM, WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
1HS -VAO12	VA SEL SWITCH		0T2 CS509			0401 A12		1VA117 1VA12J	Α	A12E09
2HS -VA012	VA SEL SWITCH	F/L2783 WES	0T2 CS509	AUX O	18 ZX	0401 A12	6/20E-0-3337 6/20E- 6/20E-0-4471M	2VA174 2VA12J	A	A 12E09



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION REVISION : 0 QUALIFICATION DATA SHEET (UNITS 1 & 2)

VISION : O QUALIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84

A12E09

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SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : COOLER FANMOTOR CONTROL

ENVR ZONE : A12

COMP/EQUIP: SELECTOR SWITCH

MANUF. : WESTINGHOUSE.

MODEL SUPP: 012

PARAMETER :PLT DES:QL	ALIFICATION:	QUALIFICATION METHOD	: QUALIFICATION : : DOCUMENT REFERENCE : REMARKS	: COMP : NUMBER
****************				=:=====
EMP DEG F : 122MAX:	130		:1)ACTION CORP. TEST REPORT :REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. 15281, REV. 2- 10/14/83. :NO. EQ-BB019 FOR COMPLETE DOCUMENTATION	:A12E09
PRESS PSIG :-0.5 TO:	AMBIENT	TYPE TEST	:2)ACTION CORP. RETEST REPORT: PACKAGE ASSOCIATED WITH THIS EQUIPMENT. :NO. 18987-84N DATED 12/21/83:	
REL HUMID %: 90 :	90	TYPE TEST		
RADIATION : 1E07 :	1E07 :	TYPE TEST	홍사 시시 하다는 보다는 시민이는 휴대를 만든 사람들은 이번 보고 있다면 하다면 보다 없다.	
CHEM SPRAY : N/A :	N/A	N/A		
DPE TME MN : CONT. :	CONT.	TYPE TEST		
QUAL. LIFE :40 YRS.:	18.6 YRS.	TYPE TEST		
SUBMERGENCE: N/A :	N/A	N/A	2007 이 2007 NO 2007 프로그램 프로그램 (1985 HOLE) (1987 HOLE) (1987 HOLE) (1987 HOLE) (1987 HOLE) (1987 HOLE) (1987 HOLE)	



PROJECT NUME REVISION		: 4391-00 : 0	COM		EALTH EDISON (			- BYR			00D STATION & 2)	PAGE DATE		: 15 OF 477 : 01 SEP 84
**********					TYPE/MODEL 1-PLEX	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL N	O CAT.	NUMBER
N/4	VA	WIRE	F/L2783	GE	1-PLEX	AUX	019	zx	0401	A12		2VA12J	Α	A12E6P



PROJECT NUMBER: 4391-00 REVISION : 0 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
QUALIFICATION DATA SHEET (UNITS 1 & 2)

DATE : 01 SEP 84

A12E6P

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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

PARAMETER			NMENT .	ALIFICATI		METH	CATION		: COMP : NUMBER
TEMP DEG F		122		130		TYPE	TECT	:1)AET'S TEST REPORT NO. : REFER TO ENVIRONMENTAL QUALIFICATION BINDER	
TEMP DEG 1		122		130		1111		: 15281, REV. 2- 10/14/83 :NO. EQ-BBO20 FOR COMPLETE DOCUMENTATION	:A12E6P
PRESS PSIG	. 0	25	TO:	0		TYPE	Contract the Contract	:2)AET'S RETESTING REPORT NO.: PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
		IN.			- 1		The second second	: 18987-84N, DATED :	
REL HUMID				90		TYPE		DECEMBER, 1983.	
	777								
RADIATION		1EO	7 :	1E07	- 1	TYPE	TEST		
								- 10 - 14에 가장 10 10 10 10 10 10 10 10 10 10 10 10 10	
CHEM SPRAY		N/A	1	N/A		N/	A		
	2.								
OPE THE MI	1 1	CONT		CONT.		TYPE	TEST		13
					1 1				1
QUAL. LIFE	: 4	O YR	S.:	40 YRS.		TYPE	TEST	주는 이 마음을 하는 것 같아 이렇게 없는 속이 되었다. 그렇게 되었다면 하는 것이 되었다면 하는데 되었다.	
	_ 1								1
SUBMERGEN	E:	N/A		N/A	3.1	N/	A		
			1		1.0			택물실 (Proposition of the Control of	



PROJECT NUM REVISION		: 4391	-00	СОМ		EALTH EDISON (	DAT			100000		DOD STATION 8 2)	PAGE DATE		17 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	EQ		SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
1LT -102												6/20E-0-3332 C 6/20E-1-4030 AB01 6/20E-1-4109C	1ABO30	Α	AA2E 10
1LT -106	cv	LEVEL	TRNSMTTER	F/L2702	BRN	752	XUA	017	LX	0401	A 12A	6/20E-0-3332 C 6/20E-1-4030 ABO2 6/20E-1-4109C	1AB055	Α	AA2E 10
2LT -102	cv	LEVEL	TRNSMTTER	F/L2702	BRN	752	AUX	020	MX	0401	A12A	6/20E-0-3332 C 6/20E-2-4030 ABO1 6/20E-2-4109C	2AB030	A	AA2E 10
2LT -106	cv	LEVEL	TRNSMTTER	F/L2702	BRN	752	AUX	019	LX	0401	A12A	6/20E-0-3332 C 6/20E-2-4030 AB02 6/20E-2-4109C	2AB055	A	AA2E 10



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COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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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

ARAMETER :PLT DES:QU		.:QUALIFICATION N: METHOD		: REMARKS	: COMP : NUMBER
		*;=============			*:=====
EMP DEG F : 128 :	130 MAX		:WESTINGHOUSE EQUIP. QUAL. :TEST REPORTS E04A & E04B	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQDP ESE-4 FOR COMPLETE DOCUMENTATION	: AA2E10
RESS PSIG : O :	0	: TYPE TEST		:ASSOCIATED WITH THIS EQUIPMENT.	
EL HUMID %: 90 :	95	TYPE TEST		## 15 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	
ADIATION : 1EO5	1E05	TYPE TEST			
HEM SPRAY : N/A :	N/A	: N/A			
PE TME MN : CONT. :	CONT.	: :TEST/ANALYSIS			
UAL. LIFE :40 YRS.:	5 YRS.	: :TEST/ANALYSIS			
UBMERGENCE: N/A :	N/A	: N/A			



PROJECT NUM REVISION	IBER: 4391-00 : 0		CATION	DATA			RAIDW	OOD STATION & 2)	PAGE DATC	:	19 OF 477 O1 SEP 84
EQUIPMENT NUMBER	TYPE OF SY EQUIPMENT		MODEL	BDG	COL R	DW ELEV	/ ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
1VAO4CC	VA AUX BLDG HVAC 31 PUMP CUBICAL COOLER FAN 1C	F/L2900 WEG							1VAO48	A	A13A2O
1VAO4CD	VA AUX BLDG HVAC SI PUMP CUBICAL COOLER FAN 1D		CLASS H INSULAT	AUX	013 Y	X 0364	A 13	6/20E-1-3314 C 6/20E- 6/20E-1-4685C	1VA 132	A	A13A2O
1VAO6CC	VA AUX BLDG HVAC CEN CHR PUMP CUB CLR FAN 1C	F/L2900 WEG	CLASS H INSULAT	AUX	015 Z	X 0364	1 A13	6/20E-1-3314 C 6/20E- 6/20E-1-4681D	1VA055	A	A13A2O
1VAO6CD	VA AUX BLDG HVAC CEN CHR PUMP CUB CLR FAN 1D	F/L2900 WEG	CLASS H INSULAT	AUX	015 Z	x 0364	A13	6/20E-1-3314 C 6/20E- 6/20E-1-4685C	1VA140	A	A13A2O



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION REVISION : O QUALIFICATION DATA SHEET (UNITS 1 & 2)

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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

PARAMETER :	PLT DES		LIFICATIO	2.31.31.35	METH	CATION	DOCUMENT	REFERENCE	: :	REMARKS	: COMP : NUMBER
EMP DEG F	102		130		TYPE	TEST	:WESTINGHOUSE	ELECTRIC CORP.	:REFER TO ENVIRONMENTA :NO. EQ-BBOOB FOR COMP	AL QUALIFICATION BINDER	:A13A20
PRESS PSIG :	ATM	:	MTA	- 1	TYPE	TEST	:MM-9112 LAST			ITH THIS EQUIPMENT.	
REL HUMID %:	70		100		TYPE	TEST					
RADIATION :	1E06	1	2E08	1	TYPE	TEST					
HEM SPRAY	N/A		N/A	i	N/	Α					
PE THE MN :	CONT.	:	CONT.	1	TYPE	TEST					
OUAL. LIFE :	40		40	į	TYPE	TEST					
SUBMERGENCE :	N/A		N/A	1	N/	Α	:				



REVI			0	COM		ENTIFICATION	DAT		- BYF		RAIDWO		DATE		1	21 OF 477 O1 SEP 84
EQUI NUM	PMENT BER S	5 Y	TYPE OF EQUIPMENT		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL I	NO	0588 CAT.	COMPUTER NUMBER
ozs -v	A204AB V				NAM							6/20E-O-3387 6/20-O-4468A			Α	A13D03
ozs -v	A214AA \		LIMIT SWITCH DAMPER 015Y LS	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	017	sx	0475	A13	6/20E-0-3387 6/20-0-4468A			Α	A 13DO3
ozs -v	A211AB \		LIMIT SWITCH DAMPER 015Y LS	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	017	sx	0475	A13	6/20E-0-3387 6/20-0-4468A			A	A.13D03



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COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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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

	COUALIFICATION	: QUALIFICATION : METHOD	: QUALIFICATION : GOCUMENT REFERENCE	: REMARKS	: COMP : NUMBER
TEMP DEG F : 102	: 194		:NAMCO CONTROL'S REP. QTR107 :REV. O DATED 03/11/81 &	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BBO55 FOR COMPLETE DOCUMENTATION	: A 13DO3
PRESS PSIG : 0	0	TYPE TEST	- (2) 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1 : 1	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	: 20.68 YRS.	TYPE TEST			
SUBMERGENCE: N/A	N/A	N/A			



PROJECT NUM REVISION		: 0				ENTIFICATION							PAGE DATE		23 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY		YPE OF UIPMENT		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
100685	cc	мотоп	OPERATOR	F/L2702		SMB-OO-15 RLNCE CLSS B	AUX					6/20E-1-3322 6/20E- 6/20E-1-4687D	1CCO40	Α	AC3A01
ICC9412A	cc	MOTOR	OPERATOR	F/L2702	LTQ	SMB-00-10 RLNCE CLSS B		016	SX	0376	A 13C	6/20E-0-3314 6/20E- 6/20E-1-4661K	10044	A	AC3AO1
CC9413A	СС	MOTOR	OPERATOR	F/L2702	LTQ	SMB-00-10 RLNCE CLSS B		013	vx	0397	A 13C	6/20E-1-3325 6/20E- 6/20E-1-4661M	10050	A	AC3AO1
ICC9413B	СС	MOTOR	OPERATOR	F/L2702	LTQ	SMB-00-10 RLNCE CLSS B		013	VX	0397	A13C	6/20E-1-3325 6/20E- 6/20E-1-4689B	10054	Α	AC3AO1
CC9414	cc	MOTOR	OPERATOR	F/L2702	LTQ	SMB-00-10 RLNCE CLSS B		012	UX	0397	A13C	6/20E-1-3322 6/20E- 6/20F-1-4689B	10062	A	AC3AO1
CV112D	cv	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-10 RLNCE CLSS B		014	UX	0377	A13C	6/20E-1-3312 6/20E- 6/20E-1-4661K	1CV077	A	AC3AO1
CV112E	cv	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-10 RLNCE CLSS B		014	UX	0374	A13C	6/20E-1-3312 6/20E- 6/20E-1-4687C	1CV082	Α	AC3AO1
1CV8100	cv	MOTOR	OPERATOR	F/L2702	LTQ	SMB-00-10 RLNCE CLSS B		012	XX	0394	A13C	6/20E-1-3324 6/20E- 6/20E-1-4687A	1CV035	Α	AC3A01
1CV8105	cv	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-15 RLNCE CLSS R		013	VX	0380	A13C	6/20E-1-3312 6/20E- 6/20E-1-4687C	1CV049	A	AC3AO1
1CV8 106	cv	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-15 RENCE CLSS B		013	vx	0380	A 13C	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		014	SX	0365	A13C	6/20E-1-3312 6/20E- 6/20E-1-4661M	1CV057	Α	AC3AO1



PROJECT NUM REVISION		4391		COM	MONW	EALTH EDISON ENTIFICATION	COMP	ANY A S	- BYE	(UN	RAIDWI	DOD STATION & 2)	PAGE DATE	:	24 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	EQ	UIPMENT	SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT	COMPUTER NUMBER
1CV8111	cv	MOTOR	OPERATOR	F/L2702		SMB-00-10 RLNCE CLSS B	AUX					6/20E-1-3312 6/20E- 6/20E-1-4687C	1CV061	Α	AC3AO1
1CV8355A	cv	MOTOR	OPERATOR	F/L2702	LTQ	SMB-00-10 RLNCE CLSS B		012	UX	0394	A13C	6/20E-1-3322 6/20E- 6/20E-	1CV610	A	AC3AO1
1CV8355B	cv	MOTOR	OPERATOR	F/L2702	LTQ	SMB-00-10 RLNCE CLSS B		012	XX	0386	A13C	6/20E-1-3324 6/20E- 6/20E-	1CV622	A	AC3AO1
1CV8355C	CV	MOTOR	OPERATOR	F/L2702	LTQ	SMB-00-10 RLNCE CLSS B		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		012	ux	0394	A13C	6/20E-1-3322 6/20E- 6/20E-	1CV613	۸	AC3A01
1CV8804A	cv	MOTOR	PERATOR	F/L2702	LTQ	SB-00-15 RLNCE CLSS B		013	QX	0368	A13C	6/20E-1-3312 6/20E- 6/20E-1-4661J	1CV406	Α	AC3A01
1RH610	RH	MOTOR	OPERATOR	F/L2702	LTQ	SMB-000 RLNCE CLSS R				0360	A13C	6/20E-0-3314 6/20E- 6/20E-1-4661F	1RHO15	Α	AC3AO1
1RH611	RH	MOTOR	OPERATOR	F/L2702	LTQ	SMB-000 RLNCE CLSS R		015	V	0358	A13C			A	AC3AO1
1RH8716A	RH	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-15 RLNCE CLSS B		014	SX	0376	A13C	6/20E-1-3312 6/20E- 6/20E-1-4661F	1RH066	Δ	AC3A01
1RH8716B	RH	MOTOR	OPERATOR	F/L2702	LTO	SB-00-15 RLNCE CLSS B		014	SX	0394	A 13C	6/20E-1-3312 6/20E- 6/20E-1-4687A	1RH070	Α	AC3AO1
1SI8801A	SI	MOTOR	OPERATOR	F/L2702	LTQ	SBD-00-15 RLNCE CLSS B		013	VX	0394	A13C	6/20E-1-3325 6/20E- 6/20E-1-4661F	151032	۸	AC3AO1



PROJECT NUMI REVISION		: 0				EALTH EDISON ENTIFICATION							DATE		25 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY		YPE OF UIPMENT		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER
1SI8801B	•			F/L2702		SBD-00-15 RLNCE CLSS E	AUX					6/20E-1-3325 6/20E- 6/20E-1-4689A	151037	Α	AC3A01
1SI8802A	SI	MOTOR	OPERATOR	F/L2702	LTQ	SBD-00-15 RLNCE CLSS E		012	vx	0386	A13C	6/20E-1-3325 6/20E- 6/20E-1-4661P	151052	A	AC3AO1
1S18802B	SI	MOTOR	OPERATOR	F/L2702	LTQ	SBD-00-15 RLNCE CLSS E	100000000000000000000000000000000000000	012	XX	0382	A13C	6/20E-1-3314 6/20E- 6/20E-1-4884	151058	A	AC3AO1
1S18804B	SI	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-15 RLNCE CLSS E		012	YX	0379	A13C	6/20E-1-3314 6/20E- 6/20E-1-4687E	151060	Α	AC3AO1
1518806	SI	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-10 RLNCE CLSS E		012	YX	0379	A13C	6/20E-1-3314 6/20E- 6/20E-1-4884A	151072	A	AC3AO1
1SI8807A	SI	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-15 RLNCE CLSS E		015	QX	0366	A13C	6/20E-0-3314 6/20E- 6/20E-1-4661G	151078	A	AC3A01
1SI8807B	SI	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-15 RLNCE CLSS E		015	QX	0367	A13C	6/20E-0-3314 6/20E- 6/20E-1-4681G	151082	A	AC3AO1
1SI8809A	SI	MOTOR	OPERATOR	F/L2702	LTQ	SBD-2-80 RLNCE CLSS E		012	vx	0389	A130	6/20E-1-3325 6/20E- 6/20E-1-4661P	151131	A	AC3AO1
1SI8809B	SI	MOTOR	OPERATOR	F/L2702	LTQ	SBD-2-80 RLNCE CLSS E		012	XX	0388	A13C	6/20E-1-3324 6/20E- 6/20E-1-4687M	151136	Α	AC3AO1
1SI8812A	SI	MOTOR	OPERATOR	F/L2702	LTQ	SB-2-80 RLNCE CLSS E		013	UX	0350	A13C	6/20E-1-3302 6/20E- 6/20E-1-4661Q	151071	A	AC3A01
15188128	SI	MOTOR	OPERATOR	F/L2702	LTQ	SB-2-80 RLCE CLSS B	AUX	013	xx	0350	A13C	6/20E-1-3304 6/20E- 6/20E-1-4687M	151171	Α	AC3A01



PROJECT NUM REVISION		: 4391		СОМ		EALTH EDISON ENTIFICATION							PAGE DATE		26 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	EQ	JIPMENT	SPEC.NO.	MFG	TYPE/MODEL	BD	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
1518813			OPERATOR				AU					6/20E-1-3312 6/20E- 6/20E-1-4687L	151 176	Α	AC3AO1
1518814	SI	MOTOR	OPERATOR	F/L2702	LTQ	SMB-00-10 RLNCE CLSS E		015	QX	0364	A13C	6/20E-0-3314 6/20E- 6/20E-1-4661N	1SI 182	A	AC3AO1
1SI8821A	SI	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-15 RLNCE CLSS E		014	ux	0390	A13C	6/20E-1-3312 6/20E- 6/20E-1-4661H	151188	A	AC3AO1
15188218	SI	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-15 RLNCE CLSS E				0390	A13C	6/20E-1-3312 6/20E- 6/20E-1-4687F	151192	A	AC3AO1
1SI8835	SI	MOTOR	OPERATOR	F/L2702	LTQ	SBD-00-15 RLNCE CLSS E		X 012	VX	0384	A13C	6/20E-1-3325 6/20E- 6/20E-1-4661P	151204	Α	AC3A01
1518840	SI	MOTOR	OPERATOR	F/L2702	LTQ	SBD-3-175 RENCE CLSS E		012	ux	0379	A 13C	6/20E-1-3322 6/20E- 6/20E-1-4661Q	151208	A	AC3AO1
1SI8920	SI	MOTOR	OPERATOR	F/L2702	LTQ	SMB-00-10 RLNCE CLSS E		X 012	YX	0365	A13C	6/20E-1-3314 6/20E- 6/20E-1-4661N	151453	۸	AC3A01
1SI8923A	SI	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-15 RLNCE CLSS E		X 015	QX	0366	A13C	6/20E-0-3314 6/20E- 6/20E-1-4661H	151196	A	AC3AO1
1SI8923B	SI	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-15 RLNCE CLSS E		X 012	YX	0379	A13C	6/20E-1-3314 6/20E- 6/20E-1-4687D	151200	Α	AC3AO1
1S18924	SI	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-15 RLNCE CLSS E		X 015	QX	0370	A 13C	6/20E-0-3314 6/20E- 6/20E-1-4681C	151471	A	AC3AO1
2CC685	cc	MOTOR	OPERATOR	F/L2702	LTQ	SMB-00-15 RLNCE CLSS F		X 023	VX	0383	A13C	6/20E-2-3322 6/20E- 6/20E-2-4687D	20040	Α	AC3A01



PROJECT NUM REVISION		: 4391		СОМ		EALTH EDISON ENTIFICATION							PAGE DATE	:	27 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	EQ	YPE OF UIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
2CC9412A			OPERATOR			SMB-00-10 RLNCE CLSS B	AUX					6/20E-0-3314 6/20E- 6/20E-2-4661K	2CCO44	A	AC3AO1
2CC9413A	cc	MOTOR	OPERATOR	F/L2702	LTQ	SMB-00-10 RLNCE CLSS B		023	VX	0383	A13C	6/20E-2-3325 6/20E- 6/20E-2-4661M	20050	A	AC3AO1
2CC9413B	cc	MOTOR	OPERATOR	F/L2702	LTQ	SMB-00-10 RLNCE CLSS B		023	VX	0383	A13C	6/20E-2-3325 6/20E- 6/20E-2-4689B	2CC054	Α	AC3AO1
2009414	cc	MOTOR	OPERATOR	F/L2702	LTQ	SMB-00-10 RLNCE CLSS B		024	UX	0383	A13C	6/20E-2-3322 6/20E- 6/20E-2-4689B	20062	Α	AC3AO1
2CV112D	cv	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-10 RLNCE CLSS B		022	ux	0364	A13C	6/20E- 6/20E- 6/20E-2-4661K	2CV077	A	AC3AO1
2CV112E	cv	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-10 RLNCE CLSS B		022	ux	0364	A13C	6/20E- 6/20E- 6/20E-2-4687C	2CV082	Α	AC3AO1
2CV8100	cv	MOTOR	OPERATOR	F/L2702	LTQ	SMB-00-10 RLNCE CLSS B		023	XX	0391	A13C	6/20E- 6/20E- 6/20E-2-4667A	2CV035	A	ACSAC1
2CV8105	cv	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-15 RLNCE CLSS B		023	WX	0364	A13C	6/20E- 6/20E- 6/20E-2-4687C	2CV049	A	AC3AO1
2CV8106	cv	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-15 RLNCE CLSS B			wx	0364	A13C	6/20E- 6/20E- 6/20E-2-4661K	2CV053	A	AC3AO1
2CV8110	cv	MOTOR	OPERATOR	F/L2702	LTQ	SMB-00-10 RLNCE CLSS B		022	SX	0364	A13C	6/20E- 6/20E- 6/20E-2-4661M	2CV057	A	AC3AO1
2CV8111	cv	MOTOR	OPERATOR	F/L2702	LTQ	SMB-00-10 RLNCE CLSS B		022	SX	0364	A13C	6/20E- 6/20E- 6/20E-2-4687C	2CV061	A	AC3A01



PROJECT NUM REVISION	70.70	4391	-00	COM		EALTH EDISON ENTIFICATION		2007		200			PAGE DATE	:	28 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	EQU	PE OF		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	NUMBER
2CV8355A			OPERATOR				AUX					6/20E-2-3322 6/20E- 6/20E-	2CV610	Α	AC3A01
2CV8355B	CV	MOTOR	OPERATOR	F/L2702	LTQ	SMB-00-10 RLNCE CLSS B		024	XX	0383	A13C	F/20E-2-3324 6/20E- 6/20E-	2CV622	A	AC3A01
2CV8355C	CV	MOTOR	OPERATOR	F/L2702	LTQ	SMB-00-10 RLNCE CLSS B		024	XX	0383	A13C	6/20E-2-3324 6/20E- 6/20E-	2CV625	A	AC3AO1
2CV8355D	CV	MOTOR	OPERATOR	F/L2702	LTQ	SMB-00-10 RLNCE CLSS B		024	VX	0383	A13C	6/20E-2-3322 6/20E- 6/20E-	2CVG13	A	AC3AO1
2CV8804A	CV	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-15 RLNCE CLSS B				0364	A13C	6/20E- 6/20E- 6/20E-2-4661J	2CV406	A	AC3AO1
2RH610	RH I	MOTOR	OPERATOR	F/L2702	LTQ	SMB-000 RLNCE CLSS R				0360	A13C	6/20E-0-3314 6/20E- 6/20E-2-4661F	2RHO15	Δ	AC3A01
2RH611	RH	MOTOR	OPERATOR	F/L2702	LTQ	SMB-000 RLNCE CLSS R		015	٧	0358	A 13C				AC3A01
2RH8716A	RH	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-15 RLNCE CLSS B		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		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		023	VX	0383	A13C	6/20E-2-3325 6/20E- 6/20E-2-4661F	251032	A	AC3A01
2SI8801B	SI	MOTOR	OPERATOR	F/L2702	LTC	SBD-00-15 RLNCE CLSS B		023	VX	0383	A13C	6/20E-2-3325 6/20E- 6/20E-2-4689A	251037	A	AC3A01



PROJECT NUM REVISION			-00	COM	IDI	EALTH EDISON ENTIFICATION	DAT	ANY A S	- BYF	(UN	RAIDWI	00D STATION & 2)	PAGE DATE		29 OF 477 O1 SEP 84
NUMBER	SY	EQ	UIPMENT	SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	NUMBER
2518802A	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	251052	A	AC3A01
2SI8802B	SI	MOTOR	OPERATOR	F/L2702	LTQ	SBD-00-15 RLNCE CLSS B		024	XX	0364	A13C	6/20E- 6/20E- 6/20E-	251056	A	AC3AO1
2SI88O4B	SI	MOTOR	OPERATOR	F/L2702	LTQ	SB-OO-15 RLNCE CLSS B		023	YX	0364	A13C	6/20E- 6/20E- 6/20E-2-4687E	251060	۸	AC3A01
2518806	SI	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-10 RLNCE CLSS B		023	ZX	0364	A13C	6/20E- 6/20E- 6/20E-2-4884A	251075	Α	AC3AO1
2SI8807A	SI	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-15 RLNCE CLSS B				0364	A13C	6/20E-0-3314 6/20E- 6/20E-2-4661G	251078	A	AC3AO1
2SI8807B	SI	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-15 RLNCE CLSS B				0364	A13C	6/20E-O-3314 6/20E- 6/20E-2-4681G	291682	A	AC3AO1
2518809A	SI	MOTOR	OPERATOR	F/L2702	LTQ	SBD-2-80 RLNCE CLSS B				0383	A13C	6/20E-2-3325 6/20E- 6/20E-2-4661P	251131	A	AC3A01
2S18809B	SI	MOTOR	OPERATOR	F/L2702	LTQ	SBD-2-80 RLNCE CLSS B			XX	0383	A13C	6/20E-2-3324 6/20E- 6/20E-	251136	A	AC3AO1
2SI8812A	SI	MOTOR	OPERATOR	F/L2702	LTQ	SB-2-80 RLNCE CLSS B				0346	A13C	6/20E-2-3302 6/20E- 6/20E-2-4661Q	251165	A	AC3A01
2SI8812B	SI	MOTOR	OPERATOR	F/L2702	LTQ	SB-2-80 RLNCE CLSS B				0343	A 13C	6/20E-2-3304 6/20E- 6/20E-	251171	Α	AC3A01
2518813	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	251536	A	AC3AO1



PROJECT NUM REVISION	BER	: 4391	-00	COM		ENTIFICATION						00D STATION 8 2)	PAGE DATE		30 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	EQ	YPE OF UIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
2518814	SI	MOTOR	OPERATOR	F/L2702	LTQ	SMB-00-10 RLNCE CLSS B	AUX					6/20E-0-3314 6/20E- 6/20E-2-4883D	251537	Α	AC3A01
2S18821A	SI	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-15 RLNCE CLSS B		021	UX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4661H	2SI 188	A	AC3AO1
2S18821B	SI	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-15 RLNCE CLSS B		021	ux	0364	A13C	6/20E-2-3312 6/20E- 6/20E-	251 192	A	AC3A01
2518835	SI	MOTOR	OPERATOR	F/L2702	LTQ	SBD-00-15 RLNCE CLSS B		021	WX	0383	A13C	6/20E-2-3325 6/20E- 6/20E-2-4661P	251204	Δ	AC3AO1
2518840	SI	MOTOR	OPERATOR	F/L2702	LTQ	SBD-3-175 RENCE CLSS B		021	ux	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-46610	251208	A	AC3AO1
2518920	SI	MOTOR	OPERATOR	F/L2702	LTQ	SMB-00-10 RLNCE CLSS B		023	ZX	0364	A13C	6/20E-2-3314 6/20E- 6/20E-2-4883D	251539	A	AC3A01
2518923A	SI	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-15 RLNCE CLSS B		021	QX	0364	A13C	6/20E-0-3314 6/20E- 6/20E-2-4661H	251196	Α	AC3AO1
2S18923B	SI	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-15 RLNCE CLSS B		023	ZX	0364	A13C	6/20E- 6/20E- 6/20E-	251200	Α	AC3A01
2518924	SI	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-15 RENCE CLSS B	AUX	021	QX	0364	A13C	6/20E-0-3314 6/20E- 6/20E-2-4681C	251471	A	AC3A01



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
QUALIFICATION DATA SHEET (UNITS 1 & 2)

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AC3AO1

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.

ARAMETER :PLT DES:Q		: QUALIFICATION: : METHOD		REMARKS	: COMP : NUMBER
EMP DEG F : 130 :	210	The second secon	WESTINGHOUSE EQUIP. QUAL. TEST REPORT HO4A.	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQDP-HE-4 FOR COMPLETE DOCUMENTATION	:AC3AO
RESS PSIG : .50-0 :	-6.7-2.3	TYPE TEST		:ASSOCIATED WITH THIS EQUIPMENT.	
EL HUMID %: 90 :	100	TYPE TEST			
ADIATION : 3.7E06:	4E06	TYPE TEST			1
HEM SPRAY : N/A :	N/A	: N/A			
PE THE MN :INTER . :	INTER.	: TYPE TEST			
UAL. LIFE :40 YRS.	21.7 YRS.	: :TEST/ANALYSIS			
JBMERGENCE: N/A :	N/A	: N/A			



PROJECT NUME REVISION		: 4391				EALTH EDISON ENTIFICATION							PAGE DATE		32 OF 477 O1 SEP 84
	SY	EQU	UIPMENT	SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	NUMBER
1CSO19A	cs	MOTOR	OPERATOR	F/L2794-1	LTQ	SMB-000-5 RLNCE CLSS	AUX	013	WX	0346	A13C	6/20E-1-3302 6/20E- 6/20E-1-4661K	105028	A	АСЗАОЗ
1CSO19B	cs	MOTOR	OPERATOR	F/L2794-1	LTQ	SMB-000-5 RLNCE CLSS		015	XX	0346	A13C	6/20E-1-3304 6/20E- 6/20E-1-4681G	1CS038	A	АСЗАОЗ
1SI8811A	SI	MOTOR	OPERATOR	F/L2794-1	LTQ	SMB-2-80 RLNCE CLSS			ux	0376	A13C	6/20E-1-3312 6/20E- 6/20E-1-4661N	151140	Α	AC3A03
15188118	SI	MOTOR	OPERATOR	F/L2794-1	LTQ	SMB-2-80 RLNCE CLSS		013	YX.	0364	A 13C	6/20E-1-3314 6/20E- 6/20E-1-4687L	151 153	A	AC3A03
1SX016A	SX	MOTOR	OPERATOR	F/L2884	LTQ	SME-00-7.5 RLNCE CLSS		013	YX I	0383	A13C	6/20E-1-3324 6/20E- 6/20E-1-4669C	1SX951	Δ	АСЗАОЗ
1SX016B	SX	MOTOR	OPERATOF.	F/L2884	LTQ	SMB-00-7.5 RLNCE CLSS		013	vx	0401	A13C	6/20E-1-3332D 6/20E- 6/20E-1-4687A	1SX054	Α	АСЗАОЗ
15X027A	SX	MOTOR	OPERATOR	F/L2884	LTQ	SMB-00-7.5 RLNCE CLSS		013	XY	0383	A13C	6/20E-1-3324 6/20E- 6/20E-1-4669C	1SX057	Α	AC3AO3
1SX027B	SX	MOTOR	OPERATOR	F/L2884	LTQ	SMB-00-7.5 RLNCE CLSS		013	VX	0401	A 13C	6/20E-1-33320 6/20E- 6/20E-1-4687A	1SX060	Α	АСЗАОЗ
1W0006A	wo	MOTOR	OPERATOR	F/L2718-2	LTQ	SMB-00-10 RLNCE CLSS		012	xx	0383	A13C	6/20E-1-3324 6/20E- 6/20E-1-4894	1W0074	Α	AC3AO3
1W0006B	WO	MOTOR	OPERATOR	F/L2718-2	LTQ	SMB-00-10 RLNCE CLSS				0401	A13C	6/20E-1-3332D 6/20E- 6/20E-1-4894A	1W0082	Α	AC3A03
1W0020A	wo	MOTOR	OPERATOR	F/L2718-2	LTQ	SMB-00-10 RLNCE CLSS		012	xx	0383	A13C	6/20E-1-3324 6/20E- 6/20E-1-4894	1W0088	Α	AC3AO3



PROJECT NUM REVISION		: 4391	-00	СОМ	WOOM	EALTH EDISON ENTIFICATION	COME	PANY TA S	- BY	RON/BI	RAIDWI		PAGE DATE		33 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	EQ	UIPMENT	SPEC.NO.	MFG	TYPE/MODEL	BDO	G COL	. ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	NUMBER
1W0020B	wo	MOTOR	OPERATOR	F/L2718-2	LTQ	SMB-00-10 RLNCE CLSS	AU)	012	vx	0401	A13C	6/20E-1-3332D 6/20E- 6/20E-1-4894A	1W0095	A	AC3A03
2CSO19A	cs	MOTOR	OPERATOR	F/L2794-1		SMB-000-5 RLNCE CLSS			VX	0343	A13C	6/20E-2-3302 6/20E- 6/20E-2-4661K	2CS028	A	AC3A03
2CSO19B	cs	MOTOR	OPERATOR	F/L2794-1	LTQ	SMB-000-5 RLNCE CLSS						6/20E-2-3304 6/20E- 6/20E-2-4681G	2CS038	Α	AC3AO3
2SI8811A	SI	NOTOR	OPERATOR	F/L2794-1	LTQ	SMB-2-80 RLNCE CLSS				0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4661N	251140	A	AC3A03
2SI8811B	SI	MOTOR	OPERATOR	F/L2794-1	LTQ	SMB-2-80 RLNCE CLSS		024	YX	0364	A 13C	6/20E- 6/20E- 6/20E-	251153	А	AC3A03
2SX016A	SX	MOTOR	OPERATOR	F/L2884	LTQ	SMB-00-7.5 RLNCE CLSS		024	YX	0383	A13C	6/20E-2-3324 6/20E- 6/20E-2-4669C	25X051	Α	AC3AO3
25X016B	SX	MOTOR	OPERATOR	F/L2884	LTQ	SMB-00-7.5 RLNCE CLSS		023	3 VX	0401	A 13C	6/20E-2-3322 6/20E- 6/20E-	25X054	Α	AC3AO3
2SX027A	SX	MOTOR	OPERATOR	F/L2884	LTQ	SMB-00-7.5 RLNCE CLSS		024	XX	0383	A13C	6/20E-2-3324 6/20E- 6/20E-2-4669C	25X057	A	AC3AO3
2SX027B	SX	MOTOR	OPERATOR	F/L2884	LTQ	SMB-00-7.5 RLNCE CLSS		X 023	3 WX	0401	A13C	6/20E-2-3322 6/20E- 6/20E-	25X060	Α	AC3AO3
2W0006A	NO	MOTOR	OPERATOR	F/L2.18-2	LTQ	SMB-00-5 RLNCE CLSS				0383	A13C	6/20E- 6/20E- 6/20E-2-4669D	2W0070	Α	AC3A03
2W0006B	WO	MOTOR	OPERATOR	F/L2718-2	LTQ	SMB-00-5 RLNCE CLSS		023	3 WX	0401	A 13C	6/20E- 6/20E- 6/20E-	2W0077	A	AC3A03



PROJECT NUM REVISION	BER: 4391-00 : 0		EALTH EDISON (			ON/BRAIDW		PAGE DATE		34 OF 477 O1 SEP 84
EQUIPMENT NUMBER	TYPE OF SY EQUIPMENT			BDG C	OL ROW	ELEV ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
2W0020A	WO MOTOR OPERATOR			ALX O			6/20E- 6/20E- 6/20E-2-4669D	2W0084	A	AC3AO3
2W00208	WO MOTOR OPERATOR	F/L2718-2 LTQ	SMB-00-5 RLNCE CLSS B		24 VX	0401 A13C	6/20E- 6/20E- 6/20E-2-4687F	2W0091	A	AC3A03



PROJECT NUMBER: 4391-00
REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

AC3A03

PAGE : 35 OF 477

DATE : O1 SEP 84

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

SYSTEM : CS.SI.SX.WO

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

PARAMETER		RONME	QUALIFICATION	1 46 (41)	FICATION THOD	: QUALIFICATION : DOCUMENT REFERENCE	REMARKS	: COMP : NUMBER
						;	**; **********************************	
TEMP DEG F	1	130	250	TYPE	ETEST	:LIMITORQUE CORP. REPORT NO :BOO58 DATED 1-11-1980 &	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BBO27 FOR COMPLETE DOCUMENTATION	: ACSAO
PRESS PSIG	:!	5-0.0	25	TYP	ETEST	APPENDIX D. OF REPORT BOOS		
REL HUMID	4: 5	90	100/STEAM	TYPE	ETEST		ACTUATORS ARE REQUIRED TO OREDATE FOR CONTAINA	
RADIATION	11	07	2E07	TYP	ETEST		:ACTUATORS ARE REQUIRED TO OPERATE FOR CONTAIN :MENT ISOLATION POST ACCIDENT OPERATION IS NOT :REQUIRED.	
CHEM SPRAY	: 1	N/A	N/A	: N	/A			
PE THE MN	: SI	HORT	INTERMITANT	TYP	ETEST			1
QUAL. LIFE	:40	YRS	40.0 YRS	TYP	E TEST		:40 YEARS LIFE IS BASED UPON REPLACING THE :CLASS B MOTORS OF THE ACTUATORS AND ON	
SUBMERGENC	E: 1	N/A	N/A	. N	/A		:FOLLOWING THE LUBRICATION PROCEDURE FROM LCS :IN APPENDIX A OF LIMITORQUE REPORT BOOSS.	



PROJECT NUME REVISION		. 0	-00		ID	ENTIFICATION	DAT	ANY A S	- BY	(UN	RAIDWO	000 STATION & 2)	PAGE DATE		36 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	EQI	UIPMENT	SPEC.NO.	MFG	TYPE/MODEL	BDC	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	NUMBER
1CS001A	cs	MOTOR	OPERATOR	F/L2794-3	LTQ	SB-00-10 RLNCE CLSS B	AU)	013	vx	0364	A13C	6/20E-1-3312 6/20E- 6/20E-1-4661B	1CSO45	A	AC3A04
1CS001B	cs	MOTOR	OPERATOR	F/L2794-3		SB-00-10 RLNCE CLSS B		015	xx	0364	A13C	6/20E-1-3314 6/20E- 6/20E-1-4687A	1CSO49	A	AC3A04
1CS007A	cs	MOTOR	OPERATOR	F/L2794-3	LTQ	SB-O-25 RLNCE CLSS B	AU)	013	l wx	0401	A 13C	€/20E-1-3332D 6/20E- 6/20E-1-4669A	105023	A	AC3AO4
1CS007B	cs	MOTOR	OPERATOR	F/L2794-3	LTQ	SB-0-25 RLNCE CLSS B						6/20E-1-3324 6/20E- 6/20E-1-4687B	1CS033	Α	AC3AO4
1CS009A	cs	MOTOR	OPERATOR	F/L2794-3	LTQ	SB-0-25 RLNCE CLSS B					A13C	6/20E-1-3302 6/20E- 6/20E-1-4661C	105053	Α	AC3AO4
1CS009B	cs	MOTOR	OPERATOR	F/L2794-3	LTQ	SB-O-25 RLNCE CLSS B		013	xx	0346		6/20E-1-3304 6/20E- 6/20E-1-4681G	1CS056	Δ	AC3AO4
2CS001A	cs	MOTOR	OPERATOR	F/L2794-3	LTQ	SB-00-10 RLNCE CLSS B					A13C	6/20E- 6/20E- 6/20E-2-4661B	2CSO45	Α	AC3A04
2CS001B	cs	MOTOR	OPERATOR	F/L2794-3	LTQ	SB-00-10 RLNCE CLSS B				0364	A13C	6/20E- 6/20E- 6/20E-	205049	Δ	AC3AO4
2CS007A	cs	MOTOR	OPERATOR	F/L2794-3	LTQ	SB-0-25 RLNCE CLSS B				0401	A13C	6/20E- 6/20E- 6/20E-2-4669A	2CSO23	Α	AC3AO4
2CS007B	cs	MOTOR	OPERATOR	F/L2794-3	LTQ	SB-O-25 RLNCE CLSS B	AU)	023	XX	0383	A.13C	6/20E- 6/20E- 6/20E-	205033	Α	AC3A04
2CS009A	cs	MOTOR	OPERATOR	F/L2794-3	LTQ	SB-0-25 RLNCE CLSS B				0343		6/20E-2-3302 6/20E- 6/20E-2-4661C	205053	Δ	AC3A04



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE: 37 OF 477 REVISION: 0 IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE: 01 SEP 84

EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER NUMBER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER

2CS009B CS MOTOR OPERATOR F/L2794-3 LTQ SB-0-25 AUX 021 XX 0343 A13C 6/20E-2-3304 2CS056 A AC3A04

RINCE CLSS B

6/20F-2-4681G



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION REVISION : 0 QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 38 OF 477 DATE : 01 SEP 84

AC3AO4

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

	*********	**********	******************	************************************	
PARAMETER :PLT DES	:QUALIFICATIO		DOCUMENT REFERENCE	REMARKS	: COMP :
TEMP DEG F : 130		: TYPE TEST	:LIMITORQUE CORP. REPORT NO. :BOO58 DATED 1-11-1980 &	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EO-BBO27 FOR COMPLETE DOCUMENTATION	:AC3A04:
PRESS PSIG :5-0.0	): 25	: TYPE TEST	APPENDIX D. OF REPORT BOOSE		1 - 1
REL HUMID %: 90	: 100/STEAM	TYPE TEST			
RADIATION : 1E07	2E07	TYPE TEST		:ACTUATORS ARE REQUIRED TO OPERATE FOR CONTAIN: :MENT ISOLATION POST ACCIDENT OPERATION IS NOT :REQUIRED.	
CHEM SPRAY : N/A	N/A	: N/A			
OPE THE MN : SHORT	INTERMITANT	TYPE TEST			
QUAL. LIFE :40 YRS	40.0 YRS	TYPE TEST		:40 YEARS LIFE IS BASED UPON REPLACING THE	
SUBMERGENCE: N/A	N/A	N/A		:FOLLOWING THE LUBRICATION PROCEDURE FORM LC8 :IN APPENDIX A OF LIMITORQUE REPORT BOOS8.	



PROJECT NUM REVISION		439			IDE	ENTIFICATION					PAGE DATE		39 OF 477 O1 SEP 84
EQUIPMENT NUMBER		E	TYPE OF QUIPMENT	PURCHASE SPEC NO.	MFG	TYPE/MODEL	BOG COL ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
1CS001A			VALVE			14IN150FLX WDG		0364			N/A	N/A	AC3B16
1CS001B	cs	GATE	VALVE	F/L2794-3	A/D	14IN 150FLX WDG	AUX	0364	A13C	N/A	N/A	N/A	AC3B16
1CS007A	cs	GATE	VALVE	F/L2794-3	A/D	10IN300FLX WDG	AUX	0401	A 13C	N/A	N/A	N/A	AC3B16
1CS007B	cs	GATE	VALVE	F/L2794-3	A/D	10IN300FLX WDG	AUX	0383	A13C	N/A	N/A	N/A	AC3B16
1CS009A	cs	GATE	VALVE	F/L2794-3	A/D	16IN600FLX WDG	AUX	0346	A13C	N/A	N/A	N/A	AC3B16
1CS009B	cs	GATE	VALVE	F/L2794-3	A/D	16IN600FLX WDG	AUX	0346	A13C	N/A	N/A	N/A	AC3B16
2CS001A	cs	GATE	VALVE	F/L2794-3	A/D	14IN150FLX WDG	AUX	0364	A13C	N/A	N/A	N/A	AC3B16
2CS001B	cs	GATE	VALVE	F/L2794-3	A/D	14IN150FLX WDG	AUX	0364	A13C	N/A	N/A	N/A	AC3B16
2C\$007A	cs	GATE	VALVE	F/L2794-3	A/D	10IN300FLX WDG	AUX	0401	A13C	N/A	N/A	N/A	AC3B16
2CS007B	cs	GATE	VALVE	F/L2794-3	A/D	10IN300FLX WDG	AUX	0383	A13C	N/A	N/A	N/A	AC3816
2CS009A	cs	GATE	VALVE	F/L2794-3	A/D	16IN600FLX WDG	AUX	0343	A13C	N/A	N/A	N/A	AÇ3B16



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 40 OF 477 REVISION : 0 IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84

EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER NUMBER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER 2CS009B CS GATE VALVE F/L2794-3 A/D 16IN.-600FLX AUX 0343 A13C N/A N/A N/A AC3B16



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 41 OF 477 DATE : 01 SEP 84

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. 150FLX WDG; 10IN. 3G0FLX WDG;

16IN. GOOFLX WDG.

ARAMETER :			ALIFICATION			DN:	QUALIF	ICATION REFERENCE		EMARKS	: COMP : NUMBE
	7222	:	********	==;==:	******						
EMP DEG F	35	0 :	950	: 4	ANALYSIS	:SEE	REMARKS			L QUALIFICATION BINDER	: AC3B1
RESS PSIG	45	0 :	900	. 5 1	NALYSIS				:NO. EQ-BBO49 FOR COMP :PACKAGE ASSOCIATED WI		
EL LEWIS W.	-			9		- 1					1
L HUMID %:	90		100		ANALYSIS	- 2					2
DIATION	1.1E	07 :	2E07		NALYSIS	- 3					
DIMITURE .			2007		ANAL TOLO						2
EM SPRAY	SE	F	SEE		ANALYSIS				CHEM SPRAY (PLT DES)	CHALLET CATTON	9 - 10
the same of the sa			REMARKS						CHEM SPRAT (PLI DES)	QUALIFICATION	F- 11
E THE MN	CON		CONT.	1 1	MALYSIS				:2000 PPM	2000 PPM	
		2		2		1			:H2BO3	H3B03	
JAL. LIFE :	40 Y	RS :	40 YRS.		NALYSIS				:30% NAOH	30% NAOH	
				2		1					
JBMERGENCE:	N/	Α :	N/A	2	N/A						
				5		2					



PROJECT NUM REVISION		: 4391-00 : 0	COM		EALTH EDISON					PAGE DATE		42 OF 477 O1 SEP 84
EQUIPMENT NUMBER	-	TYPE OF EQUIPMENT		MFG	TYPE/MODEL	BDG COL ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	FANEL NO	CAT.	COMPUTER NUMBER
CS019A		VALVE	F/L2794-1				0346		N/A	N/A	N/A	AC3B11
CS0198	cs	VALVE	F/L2794-1	B/W	3IN300 CRESMO	AUX	0346	A13C	N/A	N/A	N/A	AC3B11
IA065	IA	VALVE	F/L2794-1	B/W	3IN150 CRESAD	AUX	0391	A13C	N/A	N/A	N/A	AC3B11
S18811A	SI	VALVE	F/L2794-1	B/W	24IN300 CRESMO	AUX	0364	A 13C	N/A	N/A	N/A	AC3B11
SI8811B	SI	VALVE	F/L2794-1	B/W	24IN300 CRESMO	AUX	0364	A 13C	N/A	N/A	N/A	AC3B11
CS019A	cs	VALVE	F/L2794-1	B/W	3IN300 CRESMO	AUX	0343	A13C	N/A	N/A	N/A	AC3B11
CS019B	cs	VALVE	F/L2794-1	B/W	3IN300 CRESMO	AUX	0343	A 13C	N/A	N/A	N/A	AC3B11
14065	IA	VALVE	F/L2794-1	B/W	3IN150 CRESAD	AUX	0391	A 13C	N/A	N/A	N/A	AC3811
SI8811A	12	VALVE	F/L2794-1	B/W	24IN300 CRESMO	AUX .	0364	A13C	N/A	N/A	N/A	AC3B11
S18811B	SI	VALVE	F/L2794-1	B/W	24IN300 CRESMO	AUX	0364	A 13C	N/A	N/A	N/A	AC3B11



PROJECT NUMBER: 4391-00 REVISION : 0 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 43 OF 477 DATE : 01 SEP 84

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. 150CRESSW.

ARAMETER : PLT			N: METHOD	ON: QUAL DOCUMEN	IFICATION IT REFERENCE	RI	EMARKS	: COMP : NUMBER
*********	****	********	=:==========					
EMP DEG F : 3	00 :	400	: ANALYSIS	SEE REMARKS		REFER TO ENVIRONMENTAL	QUALIFICATION BINDER	:AC3B11
						:NO. EQ-BBO47 FOR COMPL	ETE DOCUMENTATION	
RESS PSIG : 4	50 :	2000	: ANALYSIS			:PACKAGE ASSOCIATED WIT	H THIS EQUIPMENT.	
								3
EL HUMID %: 9	0 :	100	: ANALYSIS					:
ADIATION : 1	E07 :	1E09	: ANALYSIS					
								12
HEM SPRAY : S	EE :	SEE	: ANALYSIS			:CHEM SPRAY (PLT DES)	QUALIFICATION	
:REM	ARKS:	REMARKS	4					
E THE MN : CO	NT. :	CONT.	: ANALYSIS			:2000 PPM	2000 PPM	
						:H3B03	H3B03	
JAL. LIFE :40	YRS :	40 YRS.	: ANALYSIS			:30% NAOH	30% NAOH	10, 10
¥	- 4			5 PAR 1 COS				
BMERGENCE: N	/A :	N/A						
		4.00						



COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE
IDENTIFICATION DATA SHEET (UNITS 1 & 2)
DATE PROJECT NUMBER: 4391-00 REVISION : 0 : 44 OF 477 : 01 SEP 84 EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTES NUMBER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER OG ISOLATION F/L2884 JAM 8226 MOD.C AUX 0402 A13C N/A 10G082 N/A N/A AC3B21 BUTTERFLY VLV. 10G083 OG ISOLATION F/L2884 JAM 8226 MOD.C AUX 0379 A13C N/A N/A N/A AC3B21 BUTTERFLY VLV. 10G084 OG ISOLATION F/L2884 JAM 8226 MOD.C AUX 0402 A13C N/A N/A N/A AC3B21 BUTTERFLY VLV. 10G085 OG ISOLATION F/L2884 JAM 8226 MOD.C AUX 0395 A13C N/A N/A N/A AC3B21 BUTTERFLY VLV. 15X016A SX ISOLATION F/L2884 JAM 150LBS. ANSI AUX 0383 A13C N/A N/A N/A AC3B21 BUTTERFLY VLV. 15X016B SX ISOLATION F/L2884 JAM 150LBS.ANSI AUX 0401 A13C N/A N/A N/A AC3B21 BUTTERFLY VLV. SX ISOLATION F/L2884 JAM 150LBS.ANSI AUX 15X027A 0403 A13C N/A N/A N/A AC3B21 BUTTERFLY VLV. 1SX027B SX ISOLATION F/L2884 JAM 150LBS.ANSI AUX 0403 A13C N/A N/A N/A AC3B21 BUTTERFLY VLV. 20G082 OG ISOLATION F/L2884 JAM 8226 MOD.C AUX 0402 A13C N/A N/A N/A AC3B21 BUTTERFLY VLV. 20G083 OG ISOLATION F/L2884 JAM 8226 MOD.C AUX 0379 A13C N/A N/A N/A AC3B21 BUTTERFLY VLV. 20G084 OG ISOLATION F/L2884 JAM 8226 MOD.C AUX 0402 A13C N/A N/A N/A AC3B21 BUTTERFLY VLV.



PROJECT NUME REVISION		: 4391-00 : 0	СОМ		EALTH EDISON (	DATA				OOD STATION & 2)	PAGE DATE		45 OF 477 O1 SEP 84
EQUIPMENT NUMBER 20G085	SY == OG		PURCHASE SPEC.NO.	MFG . ===	TYPE/MODEL	BDG (	COL ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT, .===== N/A	COMPUTER NUMBER AC3B21
25X016A	sx	ISOLATION BUTTERFLY VLV.	F/L2884	JAM	150LBS.ANSI	AUX		0383	A 13C	N/A	N/A	N/A	AC3B21
2SXO16B	sx	ISOLATION BUTTERFLY VLV.	F/L2884	JAM	150LBS.ANSI	AUX		0401	A 13C	N/A	N/A	N/A	AC3B21
2SX027A	sx	ISOLATION BUTTERFLY VLV.	F/L2884	JAM	150LBS.ANSI	AUX		0403	A 13C	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

PROJECT NUMBER: 4391-00 REVISION : 0 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 46 OF 477 DATE : 01 SEP 84

AC3B21

SPEC. NUM.: F/L2884

SYSTEM : OG.SX

SAFETY CAT: A.B

FUNCTION : CONTAINMENT ISOLATION

ENVR ZONE : A13C

COMP/EQUIP: ISOLATION BUTTERFLY VALVE

MANUF. AMESBURY

MODEL SUPF 226 MOD.C. 150 LBS. ANSI

REMARKS : NUMB FER TO ENVIRONMENTAL QUALIFICATION BINDER : AC3B . EQ-BB052 FOR COMPLETE DOCUMENTATION : CKAGE ASSOCIATED WITH THIS EQUIPMENT.
FER TO ENVIRONMENTAL QUALIFICATION BINDER :AC38: EQ-BB052 FOR COMPLETE DOCUMENTATION :
경우 하다 가게 되었다. 그 나는 아이들이 얼마를 하는데 하는데 하는데 하는데 되었다.
TO ALLE THE PER AND PER P. PRINTING
MP QUAL. IS FOR 250 DEG.F. CONTINEOUS. : D DEG.F. ACCIDENT TEMP IS FOR SHORT PERIOD :
TIME AND HEAT TRANSFER IS MINIMAL.
٣.



COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 47 OF 477 PROJECT NUMBER: 4391-00 : 0 IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84 REVISION --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER EQUIPMENT TYPE OF PURCHASE NUMBER SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. SY EQUIPMENT NUMBER 0346 A13C N/A N/A N/A AC3B09 CS GLOBE CONTROL F/L2793 MSN 3IN. -20000 AUX 1CSO10A VALVE AC3B09 N/A N/A CS GLOBE CONTROL F/L2793 MSN 3IN.-20000 AUX 0343 A13C N/A 1CS010B VALVE 0383 A13C N/A N/A N/A AC3B09 1PROO1A PR GLOBE CONTROL F/L2793 MSN 1-38-20331 AUX VALVE AC3B09 N/A N/A PR GLOBE CONTROL F/L2793 MSN 1-38-20331 AUX 0383 A13C N/A 1PROO1B VALVE SA GLOBE CONTROL F/L2793 MSN 1.5-38-AUX 0383 A13C N/A N/A N/A AC3B09 1SA032 20771 VALVE N/A N/A AC3B09 0343 A13C N/A 2CS010A CS GLOBE CONTROL F/L2793 MSN 3IN. -20000 AUX VALVE 0343 A13C N/A N/A N/A AC3B09 CS GLOBE CONTROL F/L2793 MSN 3IN. -20000 AUX 2CS010B VALVE N/A AC3B09 F/L2793 MSN 4IN. -20000 AUX 0391 A13C N/A N/A 2FP010 FP GLOBE CONTROL VALVE N/A N/A AC3B09 AUX 0387 A13C N/A PR GLOBE CONTROL F/L2793 MSN 1-38-20000 2PRO01A VALVE AUX 0387 A13C N/A N/A N/A AC3B09 2PR001B PR GLOBE CONTROL F/L2793 MSN 1-38-20000 VALVE MSN 1.5-38-AUX 0383 A13C N/A N/A N/A AC3B09 SA GLOBE CONTROL F/L2793 2SA032

20771



VALVE

PROJECT NUMBER: 4391-00 REVISION : O

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 48 OF 477

DATE : 01 SEP 84

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

ARAMETER : PLT DES:	UALIFICATIO	.:QUALIFICATION ON: METHOD	N: QUALIFICATION : DOCUMENT REFERENCE	: REMARKS	: COMP : NUMBER
EMP DEG F : 320 :	950	: ANALYSIS	:SEE REMARKS	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BBO46 FOR COMPLETE DOCUMENTATION	: AC3BO9
RESS PS1G : 250 :	2000	: ANALYSIS		:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
EL HUMID %: 100 :	100	ANALYSIS			
ADIATION : 2E08 :	1.5E09	: ANALYSIS			1
HEM SPRAY : N/A :	N/A	: N/A			
PE TME MN : CONT. :	CONT.	: ANALYSIS			
JAL. LIFE :40 YRS :	40 YRS.	: ANALYSIS			
UBMERGENCE: N/A	N/A	N/A			



PROJECT NUM REVISION		: 4391-00 : 0	СОМ		EALTH EDISON ENTIFICATION						PAGE DATE		49 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY			MFG	TYPE/MODEL	BDG	COL ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
1CS003A		ISOLATION CHECK VALVE		7	10INAK30 CPFV04	AUX			A13C		N/A	N/A	AC3B14
1CS003B	cs	ISOLATION CHECK VALVE	F/L2794-2	TRW	10INAK30 CPFV04	AUX		0343	A13C	N/A	N/A	N/A	AC3B14
1CSO11A	cs	ISOLATION CHECK VALVE	F/L2794-2	TRW	6INAK15 CPFVO4	AUX		0343	A13C	N/A	N/A	N/A	AC3B14
1CSO11B	cs	ISOLATION CHECK VALVE	F/L2794-2	TRW	6INAK15 CPFVO4	AUX		0343	A 13C	N/A	N/A	N/A	AC3B14
1CS020A	cs	ISOLATION CHECK VALVE	F/L2794-2	TRW	3INAK15 CPFVO4	AUX		0343	A 13C	N/A	N/A	N/A	AC3B14
1CS020B	cs	ISOLATION CHECK VALVE	F/L2794-2	TRW	PINAK15 CPFVO4	AUX		0343	A13C	N/A	N/A	N/A	AC3B14
2CS003A	cs	ISOLATION CHECK VALVE	F/L2794-2	TRW	10INAK30 CPFV04	AUX		0343	A13C	N/A	N/A	N/L	AC3B14
2CS003B	cs	ISOLATION CHECK VALVE	F/L2794-2	TRW	10INAK30 CPFV04	AUX		034	A13C	N/A	N/A	N/A	AC3B14
2CSO2OA	cs	ISOLATION CHECK VALVE	F/L2794-2	TRW	3INAK15 CPFVO4	AUX		0343	A13C	N/A	N/A	N/A	AC3B14
2CS020B	cs	ISOLATION CHECK VALVE	F/L2794-2	TRW	3IN AK 15 CPF VO4	AUX		0343	A 13C	N/A	N/A	N/A	AC3B14



PROJECT NUMBER: 4391-00 REVISION

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

DATE : 01 SEP 84

PAGE : 50 OF 477

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 CPFVO4, 6 IN. -AK15 CPFVO4,

3 IN. - AK 15 CPF VO4

		DES:	NTQUALIFICATIO		METHOD	N:	QUALIF DOCUMENT	ICATION REFERENCE	REMARKS	: COMP :NUMBE
MP DEG F	: 3	20 :	1000		ANALYSIS	SEE	REMARKS		ENTAL QUALIFICATION BINDER	: AC3B1
RESS PSIG	: 2	50 :	2500		ANALYSIS				D WITH THIS EQUIPMENT.	1
	:					1				
L HUMID %	: 10	00 :	100		ANALYSIS	1				
	5					1				**
DIATION	: 21	: 80	1E10		ANALYSIS	1				7 S.H T.F
	2			1						
EM SPRAY	: 2000	PPM:	2000 PPM	2	ANALYSIS					3
	: H21	303 :	H2B03/30%NA0	H:						1
E THE MN	: CO	IT. :	CONT.	:	ANALYSIS	2				1
		:								1
AL. LIFE	:40	RS.:	40 YRS.		ANALYSIS					
						4				
BMERGENCE	: N	A :	N/A		N/A					
	2									1.



PROJECT NUME REVISION	BER	: 4391-00 : 0	COMA		EALTH EDISON ENTIFICATION	DATA		CONTRACTOR OF THE			DOD STATION & 2)	PAGE DATE	:	51 OF 477 O1 SEP 84
	*				TYPE/MODEL 2IN056BW	BDG	COL R	80W E	LEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER AC3B18
2RF027	RF	ISOLATION PLUG VALVE	F/L2795	T/X	21N066BW	AUX		(	383	A 13C	N/A	N/A	N/A	AC3B18



PROJECT NUMBER: 4391-00

REVISION : O

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 52 OF 477 DATE : O1 SEP 84

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

ARAMETER :PLT DES:Q	JALIFICATION	: QUALIFICATION: : METHOD :	QUALIFICATION DOCUMENT REFERENCE	REMARKS	: NUMBER
:		; =========;		;	
EMP DEG F : 130 :	250	: ANALYSIS :	SEE REMARKS	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BBO50 FOR COMPLETE DOCUMENTATION	: AC3B18
RESS PSIG :-0.018 :	233	: ANALYSIS :		PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
:TO 0.0 :	100	: ANALYSIS :			
ADIATION : 1EO7 :	2E08	: ANALYSIS :			
HEM SPRAY : N/A	N/A	N/A			
PE TME MN : CONT. :	CONT.	: ANALYSIS :			
JAL. LIFE :40 YRS.:	40 YRS.	: ANALYSIS :			
JBMERGENCE: N/A :	N/A	N/A :			



PROJECT NUMBEREVISION	R: 4391	00	COM		EALTH EDISON ENTIFICATION					RAIDWO		PAGE DATE	:	53 OF 477 O1 SEP 84
		PE OF	PURCHASE SPEC.NO.	MFG	TYPE/MODEL		COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
1PS9354B	S SOLENO	DID	F/L2702	ASC	NP8320A183E	ALX				A13C	6/20E-1-3312 6/20E- 6/20E-1-4552C	1PS056	Α	AC3C05
1PS9355B	S SOLENO	DID	F/L2702	ASC	NP8320A183E	AUX	013	vx	0379	A13C	6/20E-1-3312 6/20E- 6/20E-1-4552C	1PS069	A	AC3C05
1PS93568	S SOLENO	OID	F/L2702	ASC	NP8320A183E	AUX	013	VX	0379	A13C	6/20E-1-3312 6/20E- 6/20E-1-4552D	1PS082	A	AC3C05
1PS9357B	S SOLENO	DID	F/L2702	ASC	NP8320A183E	AUX	013	vx	0379	A13C	6/20E-1-3312 6/20E- 6/20E-1-4552D	1PS095	A	AC3C05
1RY8025	RY SOLENO	DID	F/L2702	ASC	NP8320A183E	AUX	013	vx	0394	A13C	6/20E-1-3325 6/20E- 6/20E-1-4842B	1RY216	Α	AC3C05
2PS9354B	S SOLENO	DID	F/L2702	ASC	NP8320A183E	AUX	023	WX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4552C	2PS056	Α	AC3C05
2PS9355B	S SOLENO	DID	F/L2702	ASC	NP8320A183E	AUX	023	WX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4552C	2PS069	A	AC3C05
2PS9356B	S SOLENO	DID	F/L2702	ASC	NP8320A183E	AUX	023	wx	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4552D	2PS083	Α	AC3C05
2PS9357B	S SOLENO	DID	F/L2702	ASC	NP8320A183E	AUX	023	WX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4552D	2PS096	Α	AC3C05
2RY8025	RY SOLENO	DID	F/L2702	ASC	NP8320A183E	AUX	023	WX	0394	A13C	6/20E-2-3325 6/20E- 6/20E-2-48428	2RY216	Α	AC3C05



PROJECT NUMBER: 4391-00

REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 54 OF 477 DATE : 01 SEP 84

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

	RONMEN DES:Q	UALIFICATION	: QUALIFICATION : METHOD	: QUALIFICATION : DOCUMENT REFERENCE	: REMARKS	: COMP : NUMBER
EMP DEG F :	130 :	420 MAX		:WESTINGHOUSE EQUIP. QUAL. :TEST REPORT HO2A/HO5A.	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQDP-HE-2/5 FOR COMPLETE DOCUMENTATION	: AC3C05
RESS PSIG : C	: 0	57	: TYPE TEST		:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
		100	TUDE TEST		[1] 12 [1] 1 [1]	
L HUMID %:	90 :	100	TYPE TEST			
DIATION :	1E07 :	2.05E08	TYPE TEST			- E
EM SPRAY : 1	N/A :	N/A	: N/A		경기 있는 경기에 가면서도 내면 하면서 모든 전기를 하는다.	
E THE MEL : SH	HORT :	CONT.	: :TEST/ANALYSIS			
AL. LIFE :40	YRS.:	14 YRS.	:TEST/ANALYSIS			1
		**/*				
JBMERGENCE: 1	N/A :	N/A	N/A			200



PROJECT NUMI	BER	: 4391-00 : 0	COM		EALTH EDISON ENTIFICATION						00D STATION & 2)	PAGE DATE	:	55 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.		TYPE/MODEL		COL	ROW	ELEV		SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
1CC9437A	cc	SOLENOID	F/L2702	ASC	NP831654E	AUX	Bullion				6/20E-1-3325 6/20E- 6/20E-1-4843B	10071	Α	AC3C07
1CC9437B	СС	SOLENOID	F/L2702	ASC	NP831654E	AUX	012	ux	0395	A13C	6/20E-1-3322 6/20E- 6/20E-1-4843A	10076	A	AC3C07
1CV8152	cv	SOLENDID	F/L2702	ASC	NP831654E	AUX	012	EX	0391	A13C	6/20E-1-3324 6/20E- 6/20E-1-4848J	1CV325	Α	AC3C07
1RE9157	RE	SOLENDID	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	SOLENDID	F/L2702	ASC	NP831654E	AUX	012	ux	0379	A13C	6/20E-1-3312 6/20E- 6/20E-1-4841B	1RE063	۸	AC3C07
1RE9170	RE	SOLENDID	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	SOLENDID	F/L2702	ASC	NP831654E	AUX	013	VX	0394	A13C	6/20E-1-3325 6/20E- 6/20E-1-4842A	1RY299	A	AC3C07
1518880	SI	SOLENDID	F/L2702	ASC	NP831654E	AUX	012	UX	0375	A13C	6/20E-1-3312 6/20E- 6/20E-1-4840H	151376	Α	AC3C07
1518888	SI	SOLENOID	F/L2702	ASC	NP831654E	AUX	012	. vx	0386	A13C	6/20E-1-3325 6/20E- 6/20E-1-4840H	151396	A	AC3C07



PROJECT NUM	MBER	: 4391-00 : 0	СОМІ		EALTH EDISON ENTIFICATION	COMP		- BYF		RAIDWI		PAGE DATE		56 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
1518964	SI	SOLENOID	F/L2702	*	NP831654E						6/20E-1-3312 6/20E- 6/20E-1-4840A	151432	Α	AC3C07
2CC9437A	СС	SOLENOID	F/L2702	ASC	NP831654E	AUX	021	VX	0383	A 13C	6/20E-2-3325 6/20E- 6/20E-2-4843B	20071	Α	AC3C07
2CC9437B	СС	SOLENOID	F/L2702	ASC	NP831654E	AUX	024	UX	0383	A13C	6/20E-2-3322 6/20E- 6/20E-2-4843A	2CC076	Α	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-2-4841B	2REO43	۸	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	SOLENDID	F/L2702	ASC	NP831654E	AUX	024	wx	0363	A13C	6/20E- 6/20E- 6/20E-2-4439A	2RE039	Δ	AC3C07
2RY8028	RY	SOLENOID	F/L2702	ASC	NP831654E	AUX	024	ux	0388	A 13C	6/20E-2-3322 C 6/20E- 6/20E-2-4843A	2RY282	Α	AC3C07
2RV8033	RY	SOLENOID	F/L2702	ASC	NP831654E	AUX				A13C	6/20E- 6/20E- 6/20E-2-4842A	2RY299	A	AC3C07
2518880	SI	SOLENOID	F/L2702	ASC	NP831654E	AUX	024	ux	0364	A130	6/20E-2-3312 6/20E- 6/20E-2-4840H	251376	Α	AC3C07



PROJECT NUM REVISION	BER	: 4391-00 : 0	COM		ENTIFICATION	DAT		- BYR	THE RESERVE OF THE PARTY OF THE		OCD STATION 8 2)	PAGE DATE		57 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT			TYPE/MODEL	BDG	COL	11/25/2007	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO		COMPUTER NUMBER
2518888	*	SOLENOID	F/L2702		NP831654E	30000	023				6/20E-2-3325 6/20E- 6/20E-2-4840H	251396	A	AC3C07
2518964	SI	SOLENOID	F/L2702	ASC	NP831654E	AUX	024	ux	0383	A13C	6/20E- 6/20E- 6/20E-2-4840A	251432	A	AC3C07



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 58 OF 477 DATE : O1 SEP 84

AC3C07

SPEC. NUM. : F/L2702

SYSTEM : RY.SI.RE.CC.CV

SAFETY CAT: A

FUNCTION : CONTAINMENT ISOLATION

ENVR ZONE : A13C

COMP/EQUIP: SOLENDID OPERATED VALVE

MANUF. : ASCO

MODEL SUPP: NP831654E

PARAMETER :P	T DES:		.:QUALIFICATION: METHOD	N: QUALIFICATION : DOCUMENT REFERENCE	: REMARKS	: COMP : NUMBER
TEMP DEC E .	120	ACO MAY	TVDE TEET	- HESTINGUISE FOULD OUT		
TEMP DEG F :	130 :	420 MAX	TYPE TEST	WESTINGHOUSE EQUIP. QUAL.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER	:AC3C07
porce pero	0	57	TYPE TEET	:TEST REPORT HO2A/HO5A.	:NO. EQDP-HE-2/5 FOR COMPLETE DOCUMENTATION	
PRESS PSIG :	0	57	: TYPE TEST		:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %:	90 :	100	TYPE TEET			
KEL HUMIU %:	90	100	TYPE TEST			
RADIATION :	1E07 :	2 05500	TYPE TEET			
RADIATION :	TEO?	2.05E08	TYPE TEST			
CHEM SPRAY :	N/A	N/A	N/A			
TIEM SPRAT	N/A	N/A	N/A			
PE THE MN :	SHORT :	CONT.	:TEST/ANALYSI	e :		
ore the mis	SHUK!	CONT.	. IEST/ANALTSI			
QUAL. LIFE :40	VPS .	14 YRS.	TEST/ANALYSI	c.		
QUAL. LIFE . 4	J 183	14 183.	. TEST/ ANALTSI			
SUBMERGENCE:	N/A	N/A	N/A			
SOUMERGE HOL.	14/ 14	14/ 14	. 14/ A			



PROJECT NUM	BER	: 4391-00 : 0	COM		EALTH EDISON ENTIFICATION							PAGE DATE	:	59 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.		TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
1CSO10A	cs	SOLENOID	F/L2793	ASC	NP-8320A 186E						6/20E-1-3302 6/20E- 6/20E-1-4385	105101	Α	AC3C12
1CSO10B	cs	SOLENOID	F/L2793	ASC	NP-8320A186E	AUX	013	XX	0343	A13C	6/20E-1-3304 6/20E- 6/20E-1-4385	1CS 102	A	AC3C12
1FP010	FP	SOLENOID	F/L2793	ASC	NP-8320A186E	AUX	012	VX	0391	A13C	6/20E-1-3322 6/20E- 6/20E-1-4967B	1FP036	A	AC3C12
1PROO1A	PR	SOLENOID	F/L2793	ASC	NP-8320A 186E	AUX	C13	xx	0377	A13C	6/20E-1-3324 6/20E- 6/20E-1-4903A	1PR 165	Α	AC3C12
1PR001B	PR	SOLENOID	F/L2793	ASC	NP-8320A186E	AUX	013	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	012	UX	0383	A13C	6/20E-1-3322 6/20E- 6/20E-1-4571D	1SA026	Α	AC3C12
2CSO1OA	cs	SOLENO1D	F/L2793	ASC	NP-8320A186E	AUX	021	vx	0343	A13C	6/20E-2-3302 6/20E- 6/20E-2-4385	205101	A	AC3C12
2CS010B	cs	SOLENOID	F/L2793	ASC	NP-8320A186E	AUX	023	XX	0343	A13C	6/20E-2-3304 6/20E- 6/20E-2-4385	205 102	Α	AC3C12
2FP010	FP	SOLENDID	F/L2793	ASC	NP-8320A186E	AUX	023	vx	0383	A13C	6/20E-2-3322 6/20E- 6/20E-2-4967B	2FP036	Α	AC3C12
2PROO1A	PR	SOLENOID	F/L2793	ASC	NP-8320A 1866	AUX	023	xx	0377	A13C	6/20E-2-3324 6/20E- 6/20E-2-4903A	2PR 165	Α	AC3C12
2PROO1B	PR	SOLENOID	F/L2793	ASC	NP-8320A 186E	AUX	023	xx	0377	A13C	6/20E-2-3324 6/20E- 6/20E-2-4903A	2PR171	Α	AC3C12



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 60 OF 477
REVISION : O IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84

EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER NUMBER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER 25A032 SA SOLENDID F/L2793 ASC NP-8320A186E AUX 024 UX 0383 A13C 6/20E-2-3322 25A026 A AC3C12

6/20E-2-4571D



PROJECT NUMBER: 4391-00

REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 61 OF 477 DATE : O1 SEP 84

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

PARAMETER : PLT DES	:QUALIFICATION	: QUALIFICAT:	ON: QUALIFICATION : DOCUMENT REFERENCE	: REMARKS	: COMP : 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	: AC3C12
PRESS PSIG :-0.5 TO :O IN.WG		TYPE TEST		:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %: 90	The second of th	: TYPE TEST			1
RADIATION : 1E07	2.05E08	TYPE TEST			
CHEM SPRAY : N/A	0.7 GPM/ SQ.FT.	: N/A			
DPE THE MN : SHORT		TYPE TEST			
QUAL. LIFE :40 YRS	40.0 YRS	TYPE TEST		:40 YEARS LIFE IS BASED UPON REPLACING THE	
SUBMERGENCE: N/A	N/A	. N/A		TEMPERATURE.	
		1			



PROJECT NUM REVISION	BER: 4391-00 : 0	COMMONWEALTH EDISC IDENTIFICATIO	[2] [2] [2] [3] [3] [3] [3] [4] [4] [4] [4] [4] [4] [4] [4] [4] [4	PAGE DATE	: 52 OF 477 : O1 SEP 84
EQUIPMENT NUMBER	TYPE OF SY EQUIPMENT	PURCHASE SPEC.NO. MFG TYPE/MODEL			COMPUTER NUMBER
1IA065	IA SOLENOID		7E AUX 012 XX 0391 A13C 6/20E-1-3324 6/20E- 6/20E-1-4848Q	11AO14 A	AC3C13
21AO65	IA SOLENOID	F/L2794-1 ASC NP8320A18	7E AUX 023'XX 0391 A13C 6/20E- 6/20E- 6/20E-2-48480	21A014 A	AC3C13



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION REVISION : O QUALIFICATION DATA SHEET (UNITS 1 & 2)

REVISION : O QUALIFICATION DATA SHEET (UNITS 1 & 2)

AC3C13

PAGE : 63 OF 477 DATE : 01 SEP 84

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

PARAMETER	NVIRONMENT PLT DES:QU		11-11-11-11-11-11-11-11-11-11-11-11-11-	FICATION THOD	: QUALIFICATION : DOCUMENT REFERENCE	: REMARKS	: COMP : NUMBE	R:
TEMP DEG F	A STATE OF THE PERSON NAMED IN COLUMN 1	348	TYP	E TEST	:ASCO TEST REPORT NO. AQR :67368, REV. O. DATED 03-02-82.	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BB026 FOR COMPLETE DOCUMENTATION	:AC3C1	
PRESS PSIG		56	: TYP	E TEST		:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.		:
REL HUMID %	0 IN.WO:	100/STEAM	TYP	E TEST				**
RADIATION	1E07 :	2.05E08	: TYP	E TEST			1	** *
CHEM SPRAY	N/A	0.7.004/		/*				:
CHEM SPRAT	N/A	O.7 GPM/ SQ.FT.	: N	, А				:
OPE THE MN	SHORT :	CONT.	: TYP	E TEST				:
QUAL. LIFE	40 YRS :	40.0 YRS	: TYP	E TEST		:40 YEARS LIFE IS BASED UPON REPLACING THE		:
SUBMERGENCE	N/A	N/A	. N	ONE		:ELASTOMERS & SCLENDID COILS BASED ON AMBIENT :TEMPERATURE.		**
			:					*



PROJECT NUM REVISION	BER	: 4391-00 : 0	СОМІ		EALTH EDISON ENTIFICATION	DAT					OOD STATION & 2)	PAGE DATE	:	64 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
1RF027		SOLENOID			NP8320A184E						6/20E-1-3322 6/20E- 6/20E-1-4847	1RF020	Α	AC3C04
2RF027	RF	SOLENOID	F/L2795	ASC	NP8320A184E	AUX	023	vx	0383	A13C	6/20E-2-3322 6/20E- 6/20E-2-4847	2RF020	A	AC3C04



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COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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DATE : O1 SEP 84

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

PARAMETER		ALIFICATION	: QUALIFICATION:	QUALIFICATION DOCUMENT REFERENCE	: REMARKS	: COMP :
TEMP DEG F		348	: TYPE TEST	ASCO TEST REPORT NO. AQR	REFER TO ENVIRONMENTAL QUALIFICATION BINDER	:AC3CO4:
				67368, REV.O, DATED 03/02/82.	:NO. EQ-BB026 FOR COMPLETE DOCUMENTATION	1 1
PRESS PSIG	:-0.5 TO:	56	: TYPE TEST :		:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
	O IN. WG:					
REL HUMID %	90 :	100	: TYPE TEST :		선생님이 얼마나 있어요. 그 아이들이 그 것이 그 그리고 있는데 내일이다.	
RADIATION	: 1EO7 :	2.05E08	: TYPE TEST :			
				그는 그들은 얼굴에 대한 대통이 하고 있다.		
CHEM SPRAY	: N/A :	N/A	: N/A :			
OPE THE MN	:CONT./:	CONT./	: TYPE TEST :			
	INTER. :	INTER.				
QUAL. LIFE	:40 YRS :	13.8/40	: TEST/ANALYSIS:		:40 YEARS LIFE IS BASED UPON REPLACING THE	
	1				: ELASTOMERS & SOLENOID COILS DEPENDING ON	
SUBMERGENCE	: N/A :	N/A	: N/A		:AMBIENT TEMPERATURE.	



PROJECT NUME REVISION		4391-00 0	COM		EALTH EDISON (	COMPANY - B			OOD STATION & 2)	PAGE DATE	:	66 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL		W ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
1CSO1PA	-	CNT. WAYER SPRAY PUMP	F/L2758B			AUX	0346			N/A	N/A	AC3G02
1CSO1PB	cs	CNT. WATER SPRAY PUMP	F/L2758B	I/R	8423WDF	AUX	0343	A13C		N/A	N/A	AC3GO2
2CSO1PA	cs	CNT. WATER SPRAY PUMP	F/L2758B	I/R	8423WDF	AUX	0346	A13C	N/A	N/A	N/A	AC3GO2
2CSO1PB	cs	CNT. WATER	F/L2758B	I/R	8423WDF	AUX	0343	A 13C	N/A	N/A	N/A	AC3GO2



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REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 67 OF 477 DATE : 01 SEP 84

AC3G02

SPEC. NUM.: F/L2758B

SYSTEM : CS

SAFETY CAT: N/A

FUNCTION : PUMP BORATED WATER TO SPRAY NOZZILES

ENVR ZONE : A13C

COMP/EQUIP: CONTAINMENT WATER SPRAY PUMP

MANUF. : INGERSOLL RAND CO.

MODEL SUPP: 8X23 WDF CERTRIFUGAL

ARAMETER			ENT		177	METHOD	ON:	QUALIFICATION DOCUMENT REFERENCE	: REMARKS	: COMP : NUMBER
********			***************************************		:=		==:==		**;*********************************	
EMP DEG F	. 1	30		290		ANALYSIS		N/A	REFER TO ENVIRONMENTAL QUALIFICATION BINDER	: AC3GO:
			ž .						:NO. CQD-006151 FOR COMPLETE DOCUMENTATION	
RESS PSIG	0	18	1	350		ANALYSIS			:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
	:TO	0.0			- 1		1			
L HUMID %	: 9	0		100		ANALYSIS				
			2							
DIATION	. 1	EO7	* 1	5E07	- 1	ANALYSIS				
			2							
HEM SPRAY	: N	/A		N/A	31	N/A				
						1000				4
E TME MN	IN	TER.		INTER.						
AL. LIFE	. 40	VDC		O YRS.		ANALYSIS				4
ML. LIFE	.40	ins.		U TRS.		ANALTSIS				
DHEDGENGE			*	***		***				
JBMERGENCE	. N	/A	3	N/A	. 4	N/A				
										2



PROJECT NUM REVISION		: 4391-00 : 0	COM		EALTH EDISON ENTIFICATION						PAGE DATE		68 OF 477 O1 SEP 84
EQUIPMENT NUMBER			SPEC.NO.	MFG	TYPE/MODEL	BDG	COL ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	
1VAO2CA		HVAC PUMP CUB.		TRA		AUX			A13C	, ****************			AC3GO4
1VAO2CB	VA	HVAC PUMP CUB.	F/L2900	TRA		AUX		0346	A13C				AC3GO4
1VAO2CC	VA	HVAC PUMP CUB.	F/L2900	TRA		AUX		0346	A13C				AC3G04
1VAC 2CD	VA	HVAC PUMP CUB.	F/L2900	TRA		AUX		0346	A 13C				AC3G04
1VA03CA	VA	HVAC PUMP CUB.	F/L2900	TRA		AUX		0346	A13C				AC3G04
1VAO3CB	VA	HVAC PUMP CUB.	F/L2900	TRA		AUX		0346	A13C				AC3G04
1VAO3CC	VA	HVAC PUMP CUB.	F/L2900	TRA		AUX		0346	A13C				AC3G04
1VAO3CD	VA	HVAC PUMP CUB.	F/L2900	TRA		AUX		0346	A 13C				AC3G04
1VA03CE	VA	HVAC PUMP CUB.	F/L2900	TRA		AUX		0346	A13C				AC3G04
1VAO3CF	VA	HVAC PUMP CUB.	F/L2900	TRA		AUX		0346	A 13C				AC3GO4
1VAO3CG	VA	HVAC PUMP CUB.	F/L2900	TRA		AUX		0346	A13C				AC3G04



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 69 OF 477 REVISION : O IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84 EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER NUMBER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER 1VAO3CH VA HVAC PUMP CUB. F/L2900 TRA AUX 0346 A13C AC3GO4 COOLER FAN 1VAO4CA VA HVAC PUMP CUB. F/L2900 TRA AUX 0364 A13C AC3GO4 COOLER FAN 1VAO4CB VA HVAC PUMP CUB. F/L2900 TRA AUX 0364 A13C AC3GO4 COOLER FAN 1VAO4CC VA HVAC PUMP CUB. F/L2900 TRA AUX 0364 A13C AC3G04 COOLER FAN 1VAO4CD VA HVAC PUMP CUB. F/L2900 TRA AUX 0364 A13C AC3G04 COOLER FAN VA HVAC PUMP CUB. F/L2900 TRA 1VAO5CA AUX 0364 A13C AC3G04 COOLER FAN 1VAO5CB VA HVAC PUMP CUB. F/L2900 TRA AUX 0364 A13C AC3G04 COOLER FAN 1VAO6CA VA HVAC PUMP CUB. F/L2900 TRA AUX 0364 A13C AC3GO4 COOLER FAN 1VAO6CB VA HVAC PUMP CUB. F/L2900 TRA AUX 0364 A13C AC3GO4 COOLER FAN 1VAOGCC VA HVAC PUMP CUB. F/L2900 TRA AUX 0364 A13C AC3G04 COOLER FAN 1VAO6CD VA HVAC PUMP CUB. F/L2900 TRA AUX 0364 A13C AC3G04 COOLER FAN



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION REVISION : O IDENTIFICATION DATA SHEET (UNITS 1 & 2)

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REVISION	: 0		IDENTIFICATION	DATA SHEET	(UNITS 1	8 2)	DATE	: 01 SEP 84
EQUIPMENT NUMBER	TYPE OF SY EQUIPMENT	SPEC.NO.	MFG TYPE/MODEL	BDG COL ROW	ELEV ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM ND.	PANEL NO CAT.	NUMBER
2VAO2CA	VA HVAC PUMP CUB. COOLER FAN				0364 A130		,	AC3G04
2VAO2CB	VA HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX	0364 A130			AC3GO4
2VAO2CC	VA HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX	0364 A130			AC3GO4
2VAO2CD	VA HVAC PUMP CUB.	F/L2900	TRA	AUX	0364 A130			AC3GO4
2VAO3CA	VA HVAC PUMP CUB.	F/L2900	TRA	AUX	0364 A13C			AC3GO4
2VAO3CB	VA HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX	0364 A13C			AC3GO4
2VA03CC	VA HVAC PUMP CUB.	F/L2900	TRA	AUX	0364 A130			AC3GO4
2VAO3CD	VA HVAC PUMP CUB.	F/L2900	TRA	AUX	0364 A13C			AC3GO4
2VAO3CE	VA HVAC PUMP CUB.	F/L2900	TRA	AUX	0364 A13C			AC3GO4
2VAO3CF	VA HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX	0364 A13C			AC3GO4
2VAO3CG	VA HVAC PUMP CUB.	F/L2900	TRA	AUX	0364 A13C			AC3G04



PROJECT NUM	MBER: 4391-00 : 0	СОМ	MONWEALTH EDISON IDENTIFICATION	COMPANY - BY DATA SHEET	The second secon		PAGE DATE	: 71 DF 477 : 01 SEP 84
EQUIPMENT NUMBER		SPEC.NO.	MFG TYPE/MODEL	BDG COL ROW	ELEV ZO	NVR SCHEMATIC DIAGRAM/ DNE WIRING DIAGRAM NO.		CAT. NUMBER
2VAO3CH	VA HVAC PUMP CUB. COOLER FAN	F/L2900	TRA	AUX	0364 A1	13C		AC3GO4
2VAO4CA	VA HVAC PUMP CUB.	F/L2900	TRA	AUX	0364 A1	13C		AC3G04
2VAO4CB	VA HVAC PUMP CUB.	F/L2900	TRA	XUX	0364 A1	13C		AC3G04
2VAO4CC	VA HVAC PUMP CUB.	F/L2900	TRA	AUX	0364 A1	3C		AC3G04
2VAO4CD	VA HVAC PUMP CUB.	F/L2900	TRA	AUX	0364 A1	13C		AC3G04
2VAO5CA	VA HVAC PUMP CUB.	F/L2900	TRA	AUX	0364 A1	3C		AC3G04
2VAO5CB	VA HVAC PUMP CUB.	F/L2900	TRA	AUX	0364 A1	3C		AC3GO4



COOLER FAN

PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
QUALIFICATION DATA SHEET (UNITS 1 & 2)

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AC3GO4

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:

PARAMETER :PLT DES:	QUALIFICATION	of the real bases	JALIFICATION: METHOD :	QUALIFICATION DOCUMENT REFERENCE	REMARKS :	COMP
PRESS PSIG :-0.018 : TO 0.0 : REL HUMID %: 90 : RADIATION : 1E07 : CHEM SPRAY : N/A	SEE REMARKS		N/A SEE REMARKS	N/A		AC3G04
DPE TME MN : CONT.  DUAL. LIFE :40 YRS.:  SUBMERGENCE: N/A						



PROJECT NUM REVISION	BER	: 4391-00 : 0	сом			EDISON							PAGE DATE			73 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	EQUIPMENT		MFG	TYPE	/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL	NO C	AT.	
1VAO2CA		AUX BLDG HVAC RH PUMP CUBICAL COOLER FAN 1A	F/L2900	WEC	003	CLASS H INSULAT	AUX	013	UX	0346	A13C	6/20E-1-3302 C 6/20E- 6/20E-1-4661D	1VA063	A		AC3A22
1VAO2CB	VA	AUX BLDG HVAC RH PUMP CUBICAL COOLER FAN 1B		WEC	003 HP	CLASS H INSULAT		013	UX	0346	A13C	6/20E-1-3302 C 6/20E- 6/20E-1-4669B	1VA 148	A		AC3A22
1VAO2CC	VA	AUX BLDG HVAC RH PUMP CUBICAL COOLER FAN 1C		WEC	HP 003	CLASS H INSULAT		013	XX	0346	A13C	6/20E-1-3304 C 6/20E- 6/20E-1-4681E	1VA066	A		AC3A22
1VAO2CD	VA	AUX BLDD VAP RH PUMP CUE 4- COOLER FAR		WEC	HP 003	CLASS H INSULAT		013	xx	0346	A13C	6/20E-1-3304 C 6/20E- 6/20E-1-4687K	1VA 152	A		AC3A22
1VAO3CA	VA	AUX BLDG CS PUMP COOLER FAM 1A		WEC	003 HP	CLASS H INSULAT		014	WX	0346	A13C	6/20E-1-3302 C 6/20E- 6/20E-1-4661H	1VA069	Α		AC3A22
1VAO3CB	VA	AUX BLDG HVAC CS PUMP CUBICAL COOLER FAN 18		WEC	HP 003	CLASS H INSULAT		014	VX	0346	A 13C	6/20E-1-3302 C 6/20E- 6/20E-1-4661H	1VA 128	A		AC3A22
1VA03CC	VA	AUX BLDG HVAC CS PUMP CUBICAL COOLER FAN 1C	The state of the s	WEC	HP 003	CLASS H INSULAT		014	WX	0346	A13C	6/20E-1-3302 C 6/20E- 6/20E-1-4665A	1VA131	Α		AC3A22
1VAO3CD	VA	AUX BLDG HVAC CS PUMP CUBICAL COOLER FAN 1D		WEC	003 HP	CLASS H INSULAT		014	WX	0346	A13C	6/20E-1-3302 C 6/20E- 6/20E-1-4665A	1VA 156	Α		AC3A22
1VAQ3CE	VA	AUX BLDG HVAC CS PUMP CUBICAL COOLER FAN 1E		WEC	003 HP	CLASS H INSULAT		013	XX	0343	A13C	6/20E-1-3304 C 6/20E- 6/20E-1-4681E	1VA072	A		AC3A22
1VAO3CF	VA	AUX BLDG HVAC CS PUMP CUBICAL COOLER FAN 1F		WEC	HP 003			013	xx	0343	A13C	6/20E-1-3304 C 6/20E- 6/20E-1-4681F	1VA 189	A		AC3A22
1VAO3CG	VA	AUX BLDG HVAC CS PUMP CUBICAL COOLER FAN 1G				CLASS H INSULAT		013	xx	0343	A13C	6/20E-1-3304 C 6/20E- 6/20E-1-4687K	1VA 190	A		AC3A22



PROJECT NUMB	BER: 4391-00 : 0		WEALTH EDIS						DOD STATION & 2)	PAGE DATE		74 OF 477 O1 SEP 84
	TYPE OF SY EQUIPMENT			L BD	G COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
<ul> <li>I will be the second of the sec</li></ul>	VA AUX BLDG HVAC CS PUMP CUBICAL COOLER FAN 1H	F/L2900 WE		S H AU						1VA 160	Α	AC3A22
1VAO4CA	VA AUX BLDG HVAC SI PUMP CUBICAL COOLER FAN 1A		OO3 CLAS	The second	X 016	QX	0364	A13C	6/20E-0-3314 C 6/20E- 6/20E-1-4661G	1VA045	A	AC3A22
1VAO4CB	VA AUX BLDG HVAC SI PUMP CUBICAL COOLER FAN 1B		OO3 CLAS		X 016	QX	0364	A13C	6/20E-0-331; C 6/20E- 6/20E-1-4665;	1VAO41	Δ	AC3A22
2VAO2CA	VA AUX BLDG HVAC RH PUMP CUBICLE COOLER FAN 2A		HP INSU		X 023	UX	0346	A13C	6/20E-2-3302 C 6/20E- 6/20E-2-4661D	2VA063	Α	AC3A22
2VAO2CB	VA AUX BLDG HVAC RH PUMP CUBICLE COOLER FAN 2B		HP INSU	7 12 11 11 11 11 11 11 11 11 11 11 11 11	X 023	UX	0346	A13C	6/20E-2-3302 C 6/20E- 6/20E-2-4669B	2VA148	Α	AC3A22
2VAO2CC	VA AUX BLDG HVAC RH PUMP CUBICLE COOLER FAN 2C		HP INSU	LAT	X 023	YX	0343	A 13C	6/20E-2-3304 C 6/20E- 6/20E-2-4681E	2VA066	Α	AC3A22
2VAO2CD	VA AUX BLDG HVAC RH PUMP CUBICLE COULER FAN 2D		OO3 CLAS		X 023	YX	0343	A13C	6/20E-2-3304 C 6/20E- 6/20E-2-4687K	2VA 152	A	AC3A22
2VA03CA	VA AUX BLDG HVAC CS PUMP CUBICLE COOLER FAN 2A		OO3 CLAS		X 021	WX	0346	A13C	6/20E-2-3302 C 6/20E- 6/20E-2-4661H	2VA069	Α	AC3A22
2VAO3CB	VA AUX BLDG HVAC CS PUMP CUBICLE COOLER FAN 2B		OO3 CLAS		X 023	wx	0346	A 13C	6/20E-2-3302 C 6/20E- 6/20E-2-4661H	2VA 128	Α	AC3A22
2VAO3CC	VA AUX BLDG HVAC CS PUMP CUBICLE COOLER FAN 2C	The second secon	OO3 CLAS		X 021	WX	0346	A 13C	6/20E-2-3302 C 6/20E- 6/20E-2-4665A	2VA131	Α	AC3A22
2VAO3CD	VA AUX BLDG HVAC CS PUMP CUBICLE COOLER FAN 2D		HP INSU		X 023	WX	0346	A13C	6/20E-2-3302 C 6/20E- 6/20E-2-4665A	2VA 156	A	AC3A22



PROJECT NUM REVISION	MBER	: 4391-00 : 0	COM			EDISON ICATION						8 2)	PAGE DATE	:	75 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT		MFG			BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
2VAO3CE		AUX BLDG HVAC CS PUMP CUBICLE COOLER FAN 2E	F/L2900				AUX						2VA072	Α	AC3A22
2VAO3CF		AUX BLDG HVAC CS PUMP CUBICLE COOLER FAN 2F	F/L2900	WEC	003 HP	CLASS H INSULAT		023	XX	0343	A13C	6/20E-2-3304 C 6/20E- 6/20E-2-4681E	2VA 189	Α	AC3A22
2VAO3CG	VA	AUX BLDG HVAC CS PUMP CUBICLE COOLER FAN 2G	F/L2900	WEC	003 HP	CLASS H INSULAT		023	XX	0343	113C	6/20E-2-3304 C 6/20E- 6/20E-2-4687K	2VA 190	A	AC3A22
2VAO3CH	VA	AUX BLDG HVAC CS PUMP CUBICLE COOLER FAN 2H	F/L2900	WEC	003 HP	CLASS H		023	XX	0343	A13C	6/20E-2-3304 C 6/20E- 6/20E-2-4687K	2VA 160	Δ	AC3A22
2VAO4CA	VA	AUX BLDG HVAC SI PUMP CUBICLE COOLER FAN 2A	F/L2900	WEC	HP 003	CLASS H INSULAT		020	QX	0364	A13C	6/20E-0-3314 C 6/20E- 6/20E-2-4661G	2VAO45	Α	AC3A22
2VAO4CB	VA	AUX BLDG HVAC SI PUMP CUBICLE COOLER FAN 2B	F/L2900	MEC	003 HP	CLASS H INSULAT		020	QX	0364	A13C	6/20E-O-3314 C 6/20E- 6/20E-2-4665A	2VA 196	A	AC3A22
2VAO4CC	VA	AUX BLDG HVAC SI PUMP CUBICLE COOLER FAN 2C	F/L2900	WEC	003 HP	CLASS H INSULAT		013	vx	0364	A13C	6/20E-2-3314 C 6/20E- 6/20E-2-4681D	2VA 197	A	AC3A22
2VAO4CD	VA	AUX BLDG HVAC SI PUMP CUBICLE COOLER FAN 2D	F/L2900	WEC	003 HP	CLASS H INSULAT		023	YX	0364	A13C	6/20E-2-3314 C 6/20E- 6/20E-2-4685C	2VA132	A	AC3A22
2VAO6CC	VA	AUX BLDG HVAC CEN CHG PMP CUB COOLER FAN 2C	F/L2900	WEC	003 HP	CLASS H INSULAT		015	ZX	0364	A13C	6/20E-2-3314 C 6/20E- 6/20E-2-4681D	2VA201	Α	AC3A22
2VAO6CD	VA	AUX BLDG HVAC CEN CHG PMP CUB COOLER FAN 2D	F/L2900	WEC	HP 003	CLASS H INSULAT	AUX	023	YX	0364	A13C	6/20E-2-3314 C 6/20E- 6/20E-2-46850	2VA140	Α	AC3A22



PROJECT NUMBER: 4391-00
REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
QUALIFICATION DATA SHEET (UNITS 1 & 2)

AC3A22

PAGE : 76 OF 477

DATE : O1 SEP 84

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

	VIRON		FICATIO		METH	CATIO	: QUALIF	REFERENCE	-	REMARKS	: COMP : NUMBER
TEMP DEC E		:====		=:==					.: =======		:
TEMP DEG F :	130		130	-	TYPE	TEST		ELECTRIC CORP.		D ENVIRONMENTAL QUALIFICATION BINDER BBOOS FOR COMPLETE DOCUMENTATION	:AC3A2
PRESS PSIG :	ATM	: 1	MTA		TYPE	TEST		REV. 1/15/82.		ASSOCIATED WITH THIS EQUIPMENT.	
:		:		:					1		
REL HUMID %:	90	:	100	. :	TYPE	TEST			1		
		3			_						
RADIATION :	1E07		2E08		TYPE	TEST			2		
1									:		1
CHEM SPRAY :	N/A	4	N/A	:	N/	A			:		
1		1		:					1		
OPE THE MN :	CONT		CONT.		TYPE	TEST					
		1		:							1
QUAL. LIFE :	40	1	40	1	TYPE	TEST					
									1		
SUBMERGENCE:	N/A	1	N/A		N/	A					



PROJECT NUM REVISION		4391-00 0	СОМ		and the same of the same of	EDISON CATION	DAT	de a co	- BYF	THE RESERVE OF THE PERSON NAMED IN	903 5. 75.25	000 STATION & 2)	PAGE DATE		77 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.	MFG			BDG	COL	- 100		ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	The second secon	0588 CAT.	COMPUTER NUMBER
1CSO1PA-M		CONTAINMENT SPRAY PUMP 1A MOTOR	F/L2719	7	FRAME	5809P : LLD	AUX	014	VX	0346	A13C	6/20E-1-3302 C 6/20E- 6/20E-1-4611J	105001	A	AC3A27
1CSO1PB-M	cs	CONTAINMENT SPRAY PUMP 1B MOTOR	F/L2719	WEC		5809P : LLD	AUX	014	XX	0343	A13C	6/20E-1-3304 C 6/20E- 6/20E-1-4613H	1CSO17	Α	AC3A27
2CSO1PA-M	cs	CONTAINMNT SPRY PUMP 2A MOTOR	F/L2719	WEC	e constitution	5809P : LLD	AUX	022	VX	0346	A13C	6/20E-2-3302 C 6/20E- 6/20E-2-4611P	205001	A	AC3A27
2CSO1PB-M	cs	CONTAINMNT SPRY PUMP 2B MOTOR	F/L2719	WEC		5809P : LLD	AUX	022	xx	0343	A13C	6/20E-2-3304 C 6/20E- 6/20E-2-4613P	2CSO17	Α	AC3A27

PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

DATE : O1 SEP 84

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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

ARAMETER : PLT DES: QU	MALIFICATION	: QUALIFICATION	: QUALIFICATION : DOCUMENT REFERENCE	: REMARKS	: COMP : NUMBER
EMP 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
RESS PSIG :-0.5 TO:	O.O PSIG	TYPE TEST	:NS-I&CSL-82146.	:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
EL HUMID %: 90 :	90	: TYPE TEST			4
ADIATION : 1EO7 :	2E08	: TYPE TEST			
HEM SPRAY : N/A :	N/A	: N/A			
E TME MN : 2 HRS.:	CONT.	: TYPE TEST			
JAL. LIFE :40 YRS.:	40 YRS.	: TYPE TEST			
JBMERGENCE: N/A :	N/A	: N/A			

PROJECT NUM REVISION		: 4391-00 : 0	COM		EALTH EDISON ENTIFICATION							PAGE DATE	:	79 OF 477 O1 SEP 84
EQUIPMENT NUMBER	3Y			MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		CAT.	COMPUTER NUMBER
CVO1PB		CENTRIFUGAL CHARGING PUMP 1B	F/L2702					7				1CV011	A	AC3A21
RHO1PA	RH	RESIDUAL HEAT REMOVAL PUMP 1A	F/L2702	WES	S.O.74F12182	AUX	012	UX	0343	A13C	6/20E-1-3302 C 6/20E- 6/20F 1-4611D	1RH001	A	AC3A21
RHO 1PB	RH	RESIDUAL HEAT REMOVAL PUMP 18	F/L2702	WES	S.O.74F12182	AUX	012	YX	0343	A13C	6/20E-1-3304 C 6/20E- 6/20E-1-4613D	1RH006	Α	AC3A21
SIO1PA	SI	SAFETY INJECTION PUMP 1A	F/L2702	WES	S.O.74F18601	AUX	015	QX	0365	A13C	6/20E-0-3314 C 6/20E- 6/20E-1-4611C	151001	A	AC3A21
SIO1PB	SI	SAFETY INJEC INJECTION PUMP 1B	F/L2702	WES	S.O.74F18601	AUX	012	YX	0365	A 13C	6/20E-1-3314 C 6/20E- 6/20E-1-4613C	151008	A	AC3A2.
CVO1PB	cv	CNTRFGL CHRGNG PUMP 2B	F/L2702	WES	S.O.75F32350	AUX	022	ZX	0364	A13C	6/20E-2-3314 C 6/20E- 6/20E-2-4613M	2CV011	Α	AC3A21
RHO1PA	RH	RESIDUAL HEAT REMOVAL PUMP 1A	F/L2702	WES	S.O.74F12182	AUX	023	UX	0346	A13C	6/20E-2-3302 C 6/20E- 6/20E-2-4611U	2RH001	Α	AC3A21
RHO1PB	RH	RESIDUAL HEAT REMOVAL PUMP 1B	F/L2702	WES	S.O.74F12182	AUX	023	YX	0343	A13C	6/20E-2-3304 C 6/20E- 6/20E-2-4613T	2RH008	Α	AC3A21
SIO1PA	SI	SAFETY INJECT'N PUMP 2A	F/L2702	WES	S.O.74F18601	AUX	021	QX	0364	A13C	6/20E-O-3314 C 6/20E- 6/20E-2-4611V	251001	Α	AC3A21
SIO1PB	SI	SAFETY INJECT'N PUMP 2B	F/L2702	WES	S.O.74F18601	AUX	023	zx	0364	A13C	6/20E-2-3314 C 6/20E- 6/20E-2-4613U	251008	Α	AC3A21



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 80 DF 477 DATE : O1 SEP 84

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

ARAMETER : PLT DES: QUI		: QUALIFICATION:	QUALIFICATION DOCUMENT REFERENCE	: REMARKS	: COMP : NUMBE
EMP DEG F : 122 :	120		WESTINGHOUSE EQUIPMENT OF	QUAL : REFER TO ENVIRONMENTAL QUALIFICATION BINDE :EQDP AE-2 FOR COMPLETE DOCUMENTATION PACKA	
RESS PSIG : 0 :	0	: TYPE TEST :		:ASSOCIATED WITH THIS EQUIPMENT.	
EL HUMID %: 90 :	95	: TYPE TEST :			
ADIATION : 1EO7 :	5E07	: TYPE TEST :			
HEM SPRAY : N/A :	N/A	: N/A :			
	CONT	TEST ANIAL VETS			
PE TME MN : CONT. :	CONT.	:TEST/ANALYSIS:			
IAL LIFE AD VOC	5 YRS.	TEST/ANALYSIS:			
UAL. LIFE :40 YRS.:	3 183.	. 1631/ ANAL 1313.			
UBMERGENCE: N/A :	N/A	: N/A :			
DEMERGENCE. N/A	14/ 14				



	MBER: 4391-00 : 0	COMMONWEALTH EDISON IDENTIFICATION	에 가득하게 되어들어 !!!!!!!!! 그렇게 되어 있다. (이 1915) 보다 이 네트 프랑이 !!! 뭐지?!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!	PAGE :	81 OF 477 O1 SEP 84
	TYPE OF SY EQUIPMENT	15 Let 1 Let 1 Let 2	*. ***. ***. ***. ****. ************	. PANEL NO CAT.	
1LS-CSO46A	CS LEVEL SWITCH	F/L2906 BRN 581A	AUX A13C	A	AC3E5Z
1LS-CS046B	CS LEVEL SWITCH	F/L2906 BRN 581A	AUX A13C	Α	AC3E5Z
2LS-CSO46A	CS LEVEL SWITCH	F/L2906 BRN 581A	AUX A13C	Α	AC3E5Z
2LS-CSO46B	CS LEVEL SWITCH	F/L2906 BRN 581A	AUX A13C	Α	AC3E5Z



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COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 82 OF 477 DATE : O1 SEP 84

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

ARAMETER :PLT DES:QU		QUALIFICATION METHOD	: QUALIFICATION : DOCUMENT REFERENCE	: REMARKS	: COMP : NUMBER
EMP DEG F : 130 :	340		:BARTON REPORT NO. R3-580A-9 :VOLUMES 1,2,3 & 4.	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BB053 FOR COMPLETE DOCUMENTATION	:AC3E5Z
RESS PSIG :-0.5 TO: :O IN.WG:	80		:JIO SUBMITTED TO NRC, CECO :LETTER OF 01/05/84.	:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
EL HUMID %: 90 :	100	TYPE TEST		: :JIO FOR PRESENTLY INSTALLED BARTON 288A	
ADIATION : 1EO6 :	2E08	TYPE TEST		SUBMITTED TO NPC 01/05/84.	
HEM SPRAY : N/A :	N/A	N/A			
PE TME MN : CONT. :	CONT.	TYPE TEST			
JAL. LIFE :40 YRS.:	40 YRS.	TYPE TEST			
UBMERGENCE: N/A	N/A	N/A			



	ROJECT NUM EVISION	BER	439		COM		EALTH EDISON ENTIFICATION					RAIDW		PAGE DATE		83 OF 477 O1 SEP 84
	QUIPMENT NUMBER	SY		TYPE OF QUIPMENT	PURCHASE SPEC.NO.		TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
	-VA003	VA	TEMP	SWITCH	F/L2783	UEL	C303D-103 TS502							1VA151	Α	AC3E13
175	-VA004	VA	TEMP	SWITCH	F/L2783	UEL	C303D-103 TS502	AUX	013	xx	0343	A13C	6/20E-1-3304 C 6/20E- 6/20E-1-4471D	1VA155	Δ	AC3E13
1TS	-VA003	VA	TEMP	SWITCH	F/L2783	UEL	C303D-103 TS503	AUX	013	YX	0343	A13C	6/20E-1-3302 C 6/20E- 6/20E-1-4471E	1VA159	Α	AC3E13
1TS	-VA006	VA	TEMP	SWITCH	F/L2783	UEL	C303D-103 TS503	AUX	013	XX	0343	A13C	6/20E-1-3304 C 6/20E- 6/20E-1-4471F	1VA163	Α	AC3E13
1TS	-VA007	VA	TEMP	SWITCH	F/L2783	UEL	C303D-103 TS503	AUX	016	QX	0364	A13C	6/20E-0-3314 C 6/20E- 6/20E-1-4471G	1VA045	A	AC3E13
1TS	-VA008	VA	TEMP	SWITCH	F/L2783	UEL	C303D-103 TS503	AUX	012	YX	0364	A13C	6/20E-1-3314 C 6/20E- 6/20E-0-4471H	1VA135	A	AC3E13
1TS	-VA011	VA	TEMP	SWITCH	F/L2783	UEL	C303D-103 TS504	AUX	013	YX	0364	A13C	6/20E-1-3314 C 6/20E- 6/20E-1-4471L	1VA143	Α	AC3E13
2TS	-VA003	VA	TEMP	SWITCH	F/L2783	UEL	C303D-103 TS502	AUX	021	UX	0346	A13C	6/20E-2-3302 C 6/20E- 6/20E-2-4471C	2VA151	Α	AC3E13
215	-VA004	VA	TEMP	SWITCH	F/L2783	UEL	C303D-103 TS502	AUX	021	YX	0343	A13C	6/20E-2-3304 C 6/20E- 6/20E-2-4471D	2VA 155	Α	AC3E13
2TS	-VA005	VA	TEMP	SWITCH	F/L2783	UEL	C303D-103 TS503	AUX	021	vx	0346	1130	6/20E-2-3302 C 6/20E- 6/20E-2-4465A	2VA 159	A	AC3E13
2TS	-VA006	VA	TEMP	SWITCH	F/L2783	UEL	C303D-103 TS503	AUX		xx	0343	A13C	6/20E-2-3304 C 6/20E- 6/20E-2-4156A	2VA163	A	AC3E13



PROJECT NUM REVISION		439		сом		EALTH EDISON (	DAT		- BYF			000 STATION 8 2)	PAGE DATE		84 OF 477 O1 SEP 84
EQUIPMENT NUMBER 275 -VAOO7	SY .7=. VA	E	TYPE OF QUIPMENT SWITCH	PURCHASE SPEC.NO.	MFG .===	TYPE/MODEL .====================================	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO. ====================================	CABLE NO/ PANEL NO 2VAO44	0588 CAT.	COMPUTER NUMBER .====================================
2TS -VA008	VA	TEMP	SWITCH	F/L2783	UEL	C303D-103 TS503	AUX	023	YX	0364	A13C	6/20E-2-3314 C 6/20E- 6/20E-2-4471H	2VA 135	A	AC3E13
2TS -VA011	VA	TEMP	SWITCH	F/L2783	UEL	C303D-103 TS504	AUX	021	YX	0364	A13C	6/20E-2-3314 C 6/20E-	2VA143	A	AC3E13



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 85 OF 477 DATE : O1 SEP 84

ACSE 13

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

PARAMETER :PLT DES:QU	DALIFICATION	QUALIFICATION METHOD	QUALIFICATION DOCUMENT REFERENCE	REMARKS	: COMP : NUMBER
TEMP DEG F : 130	130	TYPE TEST		2:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BBO21 FOR COMPLETE DOCUMENTATION	: AC3E13
PRESS FSIG :-0.5 TO: :O 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 THE MN : CONT. :	CONT.	TYPE TEST			
QUAL. LIFE :40 YRS.:	5 YRS.	TYPE TEST			
SUBMERGENCE: N/A :	N/A	N/A		[1] 얼마나 하다 하다 하나 보다 되었다.	

PROJECT NUM REVISION	BER	: 43		0	СОМ	0.000		EDISON	DAT	CONTRACTOR OF THE PARTY OF THE	- BYF		RAIDW	00D STATION & 2)	PAGE DATE	:	86 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY ==	. ===	EQUI	E OF PMENT	The second second second	MFG .===		/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
1AP21E	AP	20		X BLD 131X1	F/L2755	WES	MCC	STAR	AUX	012	SX	0364	A13C	6/20E-1-3312 C 6/20E- 6/20E-1-4661D	1AF020	D	AC3F34
1AP21E-A	AP	12222	131	X BLD X 1A	F/L2755	WES	FIVE	STAR	AUX	012	SX	0364	A13C	6/20E-1-3312 C 6/20E- 6/20E-1-4661P	151525	D	AC3F34
2AP21E	AP			X BLD 231X1	F/L2755	WES	FIVE	STAR	AUX	024	SX	0364	A13C	6/20E-2-3312 C 6/20E- 6/20E-2-4661J	21POO4	D	AC3F34
2AP21E-A	AP			X BLD 231X1A	F/L2755	WES	FIVE	STAR	AUX	024	SX	0364	A13C	6/20E-2-3312 C 6/20E- 6/20E-2-4661P	251525	D	AC3F34



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 87 OF 477 DATE : 01 SEP 84

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

	MENT S:QUALIFICA		FICATION: THOD :		ICE :	REMARKS	: COMP : NUMBER
TEMP DEG F : 114	: 117	ТҮР	E 7. TO TO	WESTINGHOUSE REPORTS		FER TO ENVIRONMENTAL QUALIFICATION BINDER  D. EQ-BB093 FOR COMPLETE DOCUMENTATION	:AC3F34
PRESS PSIG : 0	: 0	: TYP	E TEST :		:PA	CKAGE ASSOCIATED WITH THIS EQUIPMENT.	
							*
REL HUMID %: 45	: 45	: TYP	E TEST :				
RADIATION : 1EO	1.1E	)5 : TYP	E TEST :				
CHEM SPRAY : N/A	: N/A		N/A :				:
OPE THE MN : CONT.	CONT	: TYP	E TEST				
QUAL. LIFE :40 YRS	.: 40 YR	TYP	E TEST		: 40 : 0F	YRS. QUALIFIED LIFE BASED UPON REPLACEMENT	
SUBMERGENCE: N/A	. N/A	1.00	N/A :				



PROJECT NUM	MBER	: 4391	-00	COM		EALTH EDISON ENTIFICATION					RAIDWITS 1		PAGE DATE	:	88 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	EQ	YPE OF UIPMENT	PURCHASE SPEC.NO.		TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER
1CC9437A		*55000	SWITCH	F/L2702	NAM	EA18011303	*					6/20E-1-3325 6/20E- 6/20E-1-4843B	1CC072	A	AC3D13
1CC9437B	СС	LIMIT	SWITCH	F/L2702	NAM	EA18011303	AUX	012	UX	0395	A13C	6/20E-1-3322 6/20E- 6/20E-1-4843A	10077	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	Α	AC3D13
1CV8804A	cv	LIMIT	SWITCH	F/L2702	NAM	EA18012303	AUX	013	QX	0368	A13C	6/20E-1-3312 6/20E- 6/20E-1-4661J	151180	Α	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	Α	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	Α	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	A 13C	6/20E-1-3312 6/20E- 6/20E-1-4841B	1REO44	Α	AC3D13
1RE9157	RE	LIMIT	SWITCH	F/L2702	NAM	EA18015303	AUX	012	UX	0379	A13C	6/20E-1-3312 6/20E- 6/20E-1-4841B	1REO45	Α	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	Α	AC3D13



PROJECT NUME REVISION	BER	4391	-00	СОМ		EALTH EDISON ENTIFICATION						00D STATION & 2)	PAGE DATE	:	89 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY		YPE OF UIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
RE9159B	RE		SWITCH	F/L2702		EA18015303						6/20E-1-3312 6/20E- 6/20E-1-4841B	1RE059	A	AC3D13
RE9160B	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
RE9160B	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
RE9170	RE	LIMIT	SWITCH	F/L2702	NAM	EA18014303	AUX	013	VX	0403	A 13C	6/20E-1-3332D 6/20E- 6/20E-1-4439	1REO38	Δ	AC3D13
RE9170	RE	LIMIT	SWITCH	F/L2702	NAM	EA18015303	AUX	013	vx	0403	A13C	6/20E-1-3332D 6/20E- 6/20E-1-4439	1RE040	Α	AC3D13
RY8025	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
RY8028	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
RY8028	RY	LIMIT	SWITCH	F/L2702	NAM	EA18015303	AUX	012	ux	0397	A13C	6/20E-1-3322 6/20E- 6/20E-1-4843A	1RY284	A	AÇ3D13
RY8033	RY	LIMIT	SWITCH	F/L2702	NAM	EA18014303	AUX	013	vx	0294	A13C	6/20E-1-3325 6/20E- 6/20E-1-4842A	1RY301	A	AC3D13
RY8033	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
S18804B	SI	LIMIT	SWITCH	F/L2702	NAM	EA18012303	AUX	012	ΥX	0379	A13C	6/20E-1-3314 6/20E- 6/20E-1-4687E	1RH086	Α	AC3D13



PROJECT NUM	MBER	: 4391	-00	СОМ		EALTH EDISON							PAGE DATE		90 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY		YPE OF UIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER
15188048	SI	LIMIT	SWITCH	F/L2702		EA18012303						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	151071	Α	AC3D13
1SI8812A	SI	LIMIT	SWITCH	F/L2702	NAM	EA18012303	AUX	013	UX	0350	A13C	6/20E-1-3302 6/20E- 6/20E-1-4661Q	151148	Α	AC3D13
1SI8812B	SI	LIMIT	SWITCH	F/L2702	NAM	EA18012303	AUX	013	XX	0350	A13C	6/20E-1-3304 6/20E- 6/20E-1-4687M	151169	Α	AC3D13
1SI8812B	SI	LIMIT	SWITCH	F/L2702	NAM	EA18012303	AUX	013	XX	0350	A13C	6/20E-1-3304 6/20E- 6/20E-1-4687M	151284	Α.	AC3D13
1518813	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
1518814	SI	LIMIT	SWITCH	F/L2702	NAM	EA18012303	AUX	015	QX	0364	A13C	6/20E-0-3314 6/20E- 6/20E-1-4661N	151067	A	AC3D13
1518880	SI	LIMIT	SWITCH	F/L2702	NAM	EA18011303	AUX	012	ux	0375	A13C	6/20E-1-3312 6/20E- 6/20E-1-4840H	151377	Α	AC3D13
1518888	SI	LIMIT	SWITCH	F/L2702	NAM	EA18011303	AUX	012	VX	0386	A13C	6/20E-1-3325 6/20E- 6/20E-1-4840H	151397	Α	AC3D13
1518920	SI	LIMIT	SWITCH	F/L2702	NAM	EA18011303	AUX	012	YX	0365	A13C	6/20E-1-3314 6/20E- 6/20E-1-4661N	151066	A	AC3D13
1518964	SI	LIMIT	SWITCH	F/L2702	NAM	EA18011303	AUX	012	UX	0374	A13C	6/20E-1-3312 6/20E- 6/20E-1-4840A	151433	Α	AC3D13



PROJECT NUI REVISION	MBER	: 4391 : 0	-00	COM		EALTH EDISON ENTIFICATION						DOD STATION & 2)	PAGE DATE		91 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	EQ	YPE OF UIPMENT	The second secon	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	05.88 CAT.	COMPUTER NUMBER
2CC9437A-		*	SWITCH	F/L2702	*	EA18011303						6/20E-2-3325 C/20E- 6/20E-2-4843B	20071	A	AC3D13
2CC9437A	СС	LIMIT	SWITCH	F/L2702	NAM	EA18012303	AUX	021	VX	0383	A13C	6/20E-2-3325 6/20E- 6/20E-2-4843B	20071	A	AC3D13
2CC9437B	СС	LIMIT	SWITCH	F/L2702	NAM	EA18011303	AUX	024	UX	0383	A13C	6/20E-2-3322 6/20E- 6/20E-2-4843A	2CC076	Α	AC3D13
2CC9437B	сс	LIMIT	SWITCH	F/L2702	NAM	EA18012303	AUX	024	UX	0383	A13C	6/20E-2-3322 6/20E- 6/20E-2-4843A	20076	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	A 13C	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	Α	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	Δ	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	Α	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	٨	AC3D13



PROJECT NUM	MBER: 4391-00 : 0	СОМ	MONWEALTH EDISON IDENTIFICATION			The state of the s			PAGE DATE	:	92 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY EQUIP	MENT SPEC.NO.	MFG TYPE/MODEL	BDG C	OL ROW	ELEV Z	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
2PS9356B	PS LIMIT SW		NAM EA18011303					6/20E-2-3312 6/20E- 6/20E-2-4552D	2PS083	A	AC3D13
2PS9356B	PS LIMIT SW	ITCH F/L2702	NAM EA18012303	AUX O	23 WX	0364	A 13C	6/20E-2-3312 6/20E- 6/20E-2-4552D	2PS083	A	AC3D13
2PS9357B	PS LIMIT SW	ITCH F/L2702	NAM EA18011303	AUX O	23 WX	0364	A 13C	6/20E- 6/20E- 6/20E-2-4552D	2PS096	Δ	AC3D13
2PS9357B	PS LIMIT SW	ITCH F/L2702	NAM EA18012303	AUX O	23 WX	0364	A 13C	6/20E-2-3312 6/20E- 6/20E-2-4552D	2PS096	Α	AC3D13
2RE9157	RE LIMIT SW	ITCH F/L2702	NAM EA18014303	AUX O	24 UX	0364	A 13C	6/20E-2-3312 6/20E- 6/20E-2-48418	2RE043	A	AC3D13
2RE9157	RE LIMIT SW	1TCH F/L2702	NAM EA18015303	AUX O	24 UX	0364	A 13C	6/20E-2-3312 6/20E- 6/20E-2-4841B	2RE043	A	AC3D13
2RE9159B	RE LIMIT SW	ITCH F/L2702	NAM EA18014303	AUX O	24 UX	0364	A 13C	6/20E- 6/20E- 6/20E-2-4841B	2RE057	Α	AÇ3D13
2RE9159B	RE LIMIT SW	ITCH F/L2702	NAM EA18015303	AUX O	24 UX	0364	A 13C	6/20E- 6/20E- 6/20E-2-4841B	2RE057	A	AC3D13
2RE9160B	RE LIMIT SW	ITCH F/L2702	NAM EA18014303	AUX O	24 UX	0364	13C	6/20E- 6/20E- 6/20E-2-48418	2RE068	Α	AC3D13
2RE9160B	RE LIMIT SW	ITCH F/L2702	NAM EA18015303	AUX O	24 UX	0364	413C	6/20E- 6/20E- 6/20E-2-4841B	2RE068	A	AC3D13
2RE9170	RE LIMIT SW	ITCH F/L2702	NAM EA18014303	AUX O	24 WX	0363	A13C	6/20E- 6/20E- 6/20E-2-4439A	2RE039	Α	AC3D13



PROJECT NUM REVISION		91-00	COM		EALTH EDISON ENTIFICATION					RAIDW		PAGE DATE	:	93 OF 477 O1 SEP 84
EQUIPMENT NUMBER		TYPE OF EQUIPMENT		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
2RE9170		IT SWITCH	F/L2702		EA18015303		Francisco Comment				6/20E- 6/20E- 6/20E-2-4439A	2RE039	Α	AC3D13
2RY8025	RY LIM	IT SWITCH	F/L2702	NAM	EA18011303	AUX				A 13C	6/20E-2-3325 6/20E- 6/20E-2-4842B	2RY216	Α	AC3D13
2RY8025	RY LIM	IT SWITCH	F/L2702	NAM	EA18012303	AUX				A13C	6/20E-2-3325 6/20E- 6/20E-2-4842B	2RY216	A	AC3D13
2RY8028	RY LIM	IT SWITCH	F/L2702	NAM	EA18014303	AUX	024	UX	0388	A13C	6/20E-2-3322 6/20E- 5/20E-2-4843A	2RY282	Α	AC3D13
2RY8028	RY LIM	IT SWITCH	F/L2702	NAM	EA18015303	AUX	024	ux	0388	A13C	6/20E-2-3322 6/20E- 6/20E-2-4843A	2RY282	A	AC3D13
2RY8033	RY LIM	IT SWITCH	F/L2702	NAM	EA18014303	AUX	023	WX	0394	A 13C	6/20E- 6/20E- 6/20E-2-4842A	2RY299	Α	AC3D13
2RY8033	RY LIM	IT SWITCH	F/L2702	NAM	EA18015303	AUX	023	WX	0394	A 13C	6/20E- 6/20E- 6/20E-2-4842A	2RY299	Δ	AC3D13
2SI8804B	SI LIM	IT SWITCH	F/L2702	NAM	EA18012303	AUX	023	YX	0364	A 13C	6/20E- 6/20E- 6/20E-2-4687E	251060	Α	AC3D13
25188048	SI LIM	IT SWITCH	F/L2702	NAM	EA18012303	AUX	023	YX	0364	A 13C	6/20E- 6/20E- 6/20E-2-4687E	251060	A	AC3D13
2518812A	SI LIM	IT SWITCH	F/L2702	NAM	EA18012303	AUX	023	vx	0346	A13C	6/20E-2-3302 6/20E- 6/20E-2-4661Q	2SI 165	Α	AC3D13
2SI8812A	SI LIM	IT SWITCH	F/L2702	NAM	EA18012303	AUX	023	VX	0346	A 13C	6/20E-2-3302 6/20E- 6/20E-2-4661Q	251165	Α	AC3D13



PROJECT NUM REVISION	BER: 43		)	сом		EALTH EDISON ENTIFICATION				771	RAIDWO		PAGE DATE		94 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE		PURCHASE SPEC.NO.		TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	The second secon	0588 CAT.	COMPUTER NUMBER
2SI8812B	SI LIM	IT SV	VITCH	F/L2702	*	EA18012303						6/20E-2-3304 6/20E- 6/20E-	2SI 171	Α	AC3D13
2518813	SI LIM	IT S	VITCH	F/L2702	NAM	EA18011303	AUX	021	VX	0370	A13C	6/20E- 6/20E- 6/20E-2-4883D	251536	A	AC3D13
2518814	SI LIM	IT SV	WITCH	F/L2702	NAM	EA18011303	AUX	021	QX	0364	A13C	6/20E-0-3314 6/20E- 6/20E-2-4883D	251537	A	AC3013
2518880	SI LIM	IT S	VITCH	F/L2702	NAM	EA18011303	AUX	024	UX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4840H	251376	A	AC3D13
2518880	SI LIM	IT SV	WITCH	F/L2702	NAM	EA18012303	AUX	024	UX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4840H	251376	A	AC3D13
2518888	SI LIM	IT S	WITCH	F/L2702	NAM	EA18011303	AUX	023	VX	0386	A13C	6/20E-2-3325 6/20E- 6/20E-2-4840H	251396	A	AC3D13
2518888	SI LIM	IIT SV	WITCH	F/L2702	NAM	EA18012303	AUX	023	vx	0386	A13C	6/20E-2-3325 6/20E- 6/20E-2-4840H	251396	A	AC3D13
2518920	SI LIM	IT S	WITCH	F/L2702	NAM	EA18011303	AUX	023	ZX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4883D	251539	Α	AC3D13
2518964	SI LIM	IIT S	WITCH	F/L2702	NAM	EA18011303	AUX	024	UX	0383	A13C	6/20E- 6/20E- 6/20E-2-4840A	251432	Α	AC3D13
2518964	SI LIM	IT S	WITCH	F/L2702	NAM	EA18012303	AUX	024	UX	0383	A13C	6/20E- 6/20E- 6/20E-2-4840A	251432	A	AC3D13



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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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

PARAMETER		DES	: QUA					N:	The second secon	FICATION REFERENCE	E	: REMARKS	: COMP : NUMBER
TEMP DEG F	2 1	30	_	420 MAX		TYPE	TEST			EQUIPMENT HO3A/HO6A.		:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQDP-HE-3/6 FOR COMPLETE DOCUMENTATION	: AC3D13
PRESS PSIG	. 0			57		TYPE	TEST					:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
EL HUMID %	9	0		100		TYPE	TEST						
ADIATION	. 1	E07		2E08		TYPE	TEST						
HEM SPRAY	N	/A	2	N/A	1	N/	Α .						
PE THE MN	. co	NT.	2	CONT.	: TI	EST/A	NALYSI	S:					
UAL. LIFE	: 40	YRS.		14 YRS	. т	EST/A	NALYSI	s:					
SUBMERGENCE	. N	/A		N/A	* :	N/	4	5					1. 1



PROJECT NUME REVISION	BER	4391 C	-00	СОМ		EALTH EDISON ENTIFICATION	DAT		- BYI		RAIDWO	00D STATION & 2)	PAGE DATE		96 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	EQ	YPE OF UIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV		SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
OFP428A	FP	LIMIT	SWITCH	F/L2718-2	NAM	EA17031302	AUX	015	VX	0467	A13C	6/20E-O-3385 6/20E- 6/20E-O-4976A	1FP069	A	AC3D12
OFP428A	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
OFP428D	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
OFP428D	FP	LIMIT	SWITCH	F/L2718-2	NAM	EA17032302	AUX	015	VX	0467	A130	6/20E-0-3385 6/20E- 6/20E-0-4976	2FP068	A	AC3D12
OFP428G	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
OFP428G	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



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
OUALIFICATION DATA SHEET (UNITS 1 & 2)

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SEP 84

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

ARAMETER :PLT DES:Q	UALIFICATION:	METHOD		: REMARKS	: COMP : NUMBER
EMP DEG F : 130 :	194	TYPE TEST	:NAMCO CONTROL'S REP. QTR107 :REV. O DATED 03/11/81. &	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-88055 FOR COMPLETE DOCUMENTATION	:AC3D12
RESS PSIG :-0.5 TO: :O IN.WG:	AMBIENT	TYPE TEST		PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
EL HUMID %: 90 :	100	TYPE TEST			
ADIATION : 1EO7 :	2.04E08	TYPE TEST		물레보다 하는 사람이 되었다면 하나 보는 그 것	
HEM SPRAY : N/A :	N/A	N/A			
PE TME MN : CONT. :	CONT.	TYPE TEST		물통이 이번 내가 가지는 생각 경기가 되었다.	
JAL. LIFE :40 YRS.:	4.25 YRS.	TYPE TEST		활 내 이렇게 어떻게 되고 하다 하다.	
JBMERGENCE: N/A :	N/A	N/A			



PROJECT NUM	MBER	: 4391	-00	COM		EALTH EDISON							PAGE DATE		:	98 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY		YPE OF UIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW		ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.			0588 CAT.	COMPUTER NUMBER
1FP010	FP	LIMIT	SWITCH	F/L2793	NAM	EA17011302			*			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-1-49678	1FP038	,	A	AC3D04
1PROO1A	PR	LIMIT	SWITCH	F/L2793	NAM	EA17011302	AUX	013	XX	0377	A 13C	6/20E-1-3324 6/20E- 6/20E-1-4903A	1PR 164		A	AC3D04
1PROO1A	PR	LIMIT	SWITCH	F/L2793	NAM	EA17012302	AUX	013	XX	0383	A13C	6/20E-1-3324 6/20E- 6/20E-1-4903A	1PR 166	,	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	AC3DO4
1PROO1B	PR	LIMIT	SWITCH	F/L2793	NAM	EA17012302	AUX	013	XX	0383	A13C	6/20E-1-3324 6/20E- 6/20E-1-4903A	1PR 172	2	A	AC3D04
15A032	SA	LIMIT	SWITCH	F/L2793	NAM	EA17011302	AUX	012	UX	0383	A13C	6/20E-1-3322 6/20E- 6/20C-1-4571D	1SA025		Α	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		Α	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	151006		Α	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	151013		A	AC3D04
15188118	SI	LIMIT	SWITCH	F/L2794-1	NAM	EA17014302	AUX	013	YX	0364	A13C	6/20E-1-3314 6/20E- 6/20E-1-4687L	151065		A	AC3D04



PROJECT NUMBEREVISION	ER: 4391-00 : 0		TIFICATION					TS 1		PAGE DATE		99 OF 477 O1 SEP 84
	TYPE OF SY EQUIPMENT	PURCHASE SPEC.NO. MFG T	YPE/MODEL	BDG (	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
	SI LIMIT SWITCH	F/L2794-1 NAM E							6/20E-1-3314 6/20E- 6/20E-1-4687L	151064	Α	AC3DO4
2CS010A C	CS LIMIT SWITCH	F/L2793 NAM E	A17011302	AUX (	021	VX	0343	A13C	6/20E-2-3302 6/20E- 6/20E-2-4385	205101	Α	AC3DO4
2CSO10A C	CS LIMIT SWITCH	F/L2793 NAM E	A17012302	AUX (	021	vx	0343	A13C	6/20E-2-3302 6/20E- 6/20E-2-4385	205101	A	AC3DO4
2CSO10B	CS LIMIT SWITCH	F/L2793 NAM E	A17011302	AUX (	023	xx	0343	A 13C	6/20E-2-3304 6/20E- 6/20E-2-4385	205102	Α	AC3D04
2CSO10B C	CS LIMIT SWITCH	F/L2793 NAM E	A17012302	AUX (	023	xx	0343	A13C	6/20E-2-3304 6/20E- 6/20E-2-4385	205102	Α	AC3D04
2CS040A C	CS LIMIT SWITCH	F/L2794-1 NAM E	A17015302	AUX (	023	ux	0364	A 13C	6/20E- 6/20E- 6/20E-2-4385A	2CS006	A	AC3D04
2CS040B C	CS LIMIT SWITCH	F/L2794-1 NAM E	A17015302	AUX (	023	UX	0364	A 13C	6/20E- 6/20E- 6/20E-2-4385A	205020	Α	AC3D04
2FP010 F	FP LIMIT SWITCH	F/L2793 NAM E	A17011302	AUX (	023	vx	0383	A13C	6/20E-2-3322 6/20E- 6/20E-2-4967B	2FP036	4	AC3DO4
2FP010 F	FP LIMIT SWITCH	F/L2793 NAM E	A17012302	AUX (	023	vx	0383	A 13C	6/20E-2-3322 6/20E- 6/20E-2-4967B	2FP036	Δ	AC3D04
2IA065 I	IA LIMIT SWITCH	F/L2794-1 NAM E	A 1703 1302	AUX (	023	xx	0391	A 13C	6/20E- 6/20E- 6/20E-2-4848Q	2IA014	A	AC3D04
21A065	IA LIMIT SWITCH	F/L2794-1 NAM E	A170XX302	AUX (	023	xx	0391	A13C	6/20E- 6/20E- 6/20E-2-4848Q	21A014	A	AC3D04



PROJECT NUM REVISION	BER	4391	-00	COM		EALTH EDISON ENTIFICATION			- BY			00D STATION & 2)	PAGE DATE	:	100 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY		YPE OF UIPMENT		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
2PROO1A			SWITCH	F/L2793		EA17011302						6/20E-2-3324 6/20E- 6/20E-2-4903A	2PR165	A	AC3DO4
2PROO1A	PR	LIMIT	SWITCH	F/L2793	NAM	EA17012302	XUA	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	Α	AC3D04
2PROO1B	PR	LIMIT	SWITCH	F/L2793	NAM	EA17012302	AUX	023	XX	0377	A13C	6/20E-2-3324 6/20E- 6/20E-2-4903A	2PR 171	Δ	AC3004
25A032	SA	LIMIT	SWITCH	F/L2793	NAM	EA17011302	AUX	024	ux	0383	A13C	6/20E-2-3322 6/20E- 6/20E-2-4571D	25A026	Α	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	Δ	AC3D04
2SI8811B	SI	LIMIT	SWITCH	F/L2794-1	NAM	EA17014302	AUX	024	YX	0364	A13C	6/20E- 6/20E- 6/20E-	251153	Α	AC3D04
2SI8811B	SI	LIMIT	SWITCH	F/L2794-1	NAM	EA17015302	AUX	024	YX	0364	A13C	6/20E- 9/20E- 6/20E-	251153	Α	AC3D04



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 101 OF 477 DATE : O1 SEP 84

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.

PARAMETER :PLT	RONMENT. DES: QUA	LIFICATION			QUALI			REMARKS	: COMP : NUMBER
TEMP DEG F : 1			TYPE		:NAMCO CONTRO :REV. O DATED		:NO. EQ-BB		ON :
PRESS PSIG :-O.	5 TO: N.WG:	0	: TYPE	TEST	:REPORT LP107 :DATED 11/02/	67-2 REV. 4		SSOCIATED WITH THIS EQUIPMEN	Τ. :
REL HUMID %: 9	0 :	100	: TYPE	TEST					
RADIATION : 1E	07 :	2.04E08	: TYPE	TEST					
CHEM SPRAY : N	/A :	N/A	: N	/A					
OPE THE MN : CO	NT. :	CONT.	: TYPE	TEST					
QUAL. LIFE :40	YRS.:	4.25 YRS.		TEST					
SUBMERGENCE: N	/A :	N/A	. N	/A					



PROJECT NUM REVISION	BER	: 4391	-00	COM		ENTIFICATION					ITS 1		DATE		102 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	EQ	YPE OF UIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
ICSO10A	cs	* IT DELIDE	SWITCH	F/L2793	NAM	EA18011302						6/20E-1-3302 6/20E- 6/20E-1-4385	1CSO82	A	AC3D02
CSO10A	cs	LIMIT	SWITCH	F/L2793	NAM	EA18012302	AUX	015	WX	0346	A13C	6/20E-1-3302 6/20E- 6/20E-1-4385	105083	Δ	AC3D02
CSO 10B	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
ICSO 10B	cs	LIMIT	SWITCH	F/L2793	NAM	EA18012302	AUX	013	xx	0343	A13C	6/20E-1-3304 6/20E- 6/20E-1-4385	105086	A	AC3D02
CSO4OA	cs	LIMIT	SWITCH	F/L2794-1	NAM	EA18015302	AUX	012	ux	0364	A13C	6/20E-1-3312 6/20E- 6/20E-1-4385A	105006	A	AC3D02
CSO40B	cs	LIMIT	SWITCH	F/L2794-1	NAM	EA18015302	AUX	012	UX	0364	A13C	6/20E-1-3312 6/20E- 6/20E-1-4385A	105020	٨	AC3DO2
IA065	IA	LIMIT	SWITCH	F/L2794-1	NAM	EA18031302	AUX	013	xx	0391	A13C	6/20E-1-3324 6/20E- 6/20E-1-4848Q	11A015	A	AC3D02
14065	IA	LIMIT	SWITCH	F/L2794-1	NAM	EA18031302	AUX	013	xx	0391	A13C	6/20E-1-3324 6/20E- 6/20E-1-4848Q	11A016	Α	AC3D02
RFO27	RF	LIMIT	SWITCH	F/L2795	NAM	EA18021302	AUX	013	vx	0383	A13C	6/20E-1-3322 6/20E- 6/20E-1-4847	1RF022	Α	AC3D02
RFO27	RF	LIMIT	SWITCH	F/L2795	NAM	EA 1802 1302	AUX	013	vx	0383	A13C	6/20E-1-3322 6/20E- 6/20E-1-4847	1RF021	Α	AC3DO2
SIOO1A	SI	LIMIT	SWITCH	F/L2794-3	NAM	EA18031302	AUX	014	xx	0364	A13C	6/20E-1-3314 6/20E- 6/20E-1-4192M	105041	A	AC3DO2



PROJECT NUM REVISION	BER	4391	-00	COM		EALTH EDISON ENTIFICATION	DAT	20.4	- BYR	ALC: 42 Mars	RAIDW	DOD STATION & 2)	PAGE DATE		103 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY		YPE OF UIPMENT	PURCHASE SPEC.NO.		TYPE/MODEL	BDG	COL	- 10 - HE - 100	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
1SI001B			SWITCH			EA 1803 1302	Ø					6/20E-1-3314 6/20E- 6/20E-1-4840J	1CSO43	A	AC3002
2RF027	RF	LIMIT	SWITCH	F/L2795	NAM	EA17031302	AUX	023	vx	0383	A 13C	6/20E-2-3322 6/20E- 6/20E-2-4847	2RF020	۸	AC3D02
2RF027	RF	LIMIT	SWITCH	F/L2795	NAM	EA17032302	AUX	023	vx	0383	A13C	6/20E-2-3322 6/20E- 6/20E-2-4847	2RF020	A	AC3D02
2SI001A	SI	LIMIT	SWITCH	F/L2794-3	NAM	EA18031302	AUX.	022	XX	0364	A13C	6/20E- 6/20E- 6/20E-2-4192M	205041	Α	AC3DO2
2510018	SI	LIMIT	SWITCH	F/L2794-3	NAM	EA18031302	AUX	022	XX	0364	A13C	6/20E- 6/20E- 6/20E-2-4840J	205043	A	MC3D02
2SI8811A	51	LIMIT	SWITCH	F/L2794-1	NAM	EA18014302	AUX	023	ux	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4661N	251140	Α	AC3D02
2SI8B11A	SI	LIMIT	SWITCH	F/L2794-1	NAM	EA18015302	AUX	023	UX	0364	A13C	6/20E-2-3312 6/20E- 6/20E-2-4661N	251140	Α	AC3D02



PROJECT NUMBER: 4391-00

REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 104 OF 477 DATE : 01 SEP 84

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.

PARAMETER			IFICATIO			N: QUALIFICATION : DOCUMENT REFERENCE	: REMARKS	: COMP
TEMP DEG F	130	:	340	: TYP	E TEST	:NAMCO CONTROL'S REPORT :QTR-105, REV. 1	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BBO15 FOR COMPLETE DOCUMENTATION	: AC3DO2
PRESS PSIG	-0.5 T	0: 8	O PSIG	TYP	E TEST	:DATED 08/28/80.	:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
CONTRACTOR OF THE PROPERTY AND ADDRESS OF THE PERSON OF TH	O IN.W							
EL HUMID %			100	: TYP	E TEST			1
ADIATION	: 1EO7	: 2	2.04E08	: TYP	E TEST			
	1	2						
HEM SPRAY	N/A		GPM/FT S	Q: TY	E TEST		HT : 그의 역사 항상 등 등이 없었다. 사람들이 없었다.	
DE 7ME MM	CONIT		CONT.	TVI	E TEST			
PE TME MN	CONT.		CUNI.		E IESI			
UAL. LIFE	40 YRS	.: 4	O YEARS*	TYP	E TEST		: *40 YRS. QUAL. BASED ON PERFORMING LUBRICATION : EVERY 4.5 YRS. & REPLACEMENT OF ELASTOMERIC	ON:
UBMERGENCE	N/A		N/A		N/A		PARTS. REPLAC. INTERVAL FOR ELAS. COMP. IS DEPENDENT ON AMBIENT TEMP. SEE CQD-010001, TAB	E:



: 105 OF 477 PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 01 SEP 84 DATE IDENTIFICATION DATA SHEET (UNITS 1 & 2) REVISION : 0 --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER EQUIPMENT TYPE OF PURCHASE NUMBER BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER EQUIPMENT SPEC.NO. MFG TYPE/MODEL AC3E12 C 1REO37 F/L2783 WES DT2 AUX 013 WX 0401 A13C 6/20E-1-3332D A 1HS -RE002 RE SEL SWITCH CS122 6/20E-6/20E-1-4439A AUX 015 UX 0346 A13C 6/20E-1-3302 C 1VA064 AC3E12 1HS - VA003 VA SEL SWITCH F/L2783 WES DT2 6/20E-1VAO3J CS509 6/20E-1-4471C AUX 015 YX 0346 A13C 6/20E-1-3304 C 1VA067 AC3E12 VA SEL SWITCH F/L2783 WES OT2 1HS - VA004 C\$509 6/20E-1VAO4J 6/20E-1-4471D F/L2783 WES OT2 AUX 015 VX 0346 A13C 6/20E-1-3302 C 1VA070 AC3E12 1HS -VA005 VA SEL SWITCH 6/20E-1VA05J C5509 6/20E-1-4471E C 1VA074 AC3E12 AUX 013 XX 0346 A13C 6/20E-1-3304 A 1HS - VA006 VA SEL SWITCH F/L2783 WES OT2 6/20E-1VAO6J CS509 6/20E-1-4471F AUX 017 QX 0364 A13C 6/20E-0-3314 C 1VA042 AC3E12 A 1HS - VA007 VA SEL SWITCH F/L2783 WES OT2 6/20E-1VAO7J CS509 6/20E-1-4471G C 1VA049 AC3E12 AUX 012 YX 0364 A13C 6/20E-1-3314 A 1HS -VA008 VA SEL SWITCH F/L2783 WES OT2 **LBOAVI** CS509 6/20E-6/20E-1-4471H AUX 015 YX 0364 A13C 6/20E-1-3314 C 1VA056 AC3E12 A VA SEL SWITCH F/L2783 WES OT2 1HS -VAO11 6/20E-1VA11J CS509 6/20E-1-4471L A13C 6/20E-2-3332 2RE037 AC3E12 WES OT2 AUX A 2HS -RE002 RE SEL SWITCH F/L2783 6/20E-CS122 6/20E-2-4439A AUX 021 UX 0346 A13C 6/20E-2-3302 C 2VA151 AC3E12 A 2HS - VA003 VA SEL SWITCH F/L2783 WES DT2 CS509 6/20E-2VA03J 6/20E-0-4471C C 2VA155 AC3E12 AUX 021 YX 0343 A13C 6/20E-2-3304 A 2HS - VA004 VA SEL SWITCH F/L2783 WES OT2 2VAO4J CS509 6/20E-

6/20E-0-4471C



PROJECT NUMBER	R: 4391-00 : 0		EALTH EDISON (	DATA	SHEET			DOD STATION & 2)	PAGE DATE		106 OF 477 O1 SEP 84
EQUIPMENT NUMBER SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO. MFG			The second of	ELEV		SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER
	A SEL SWITCH		0T2 CS509						2VA158 2VA05J	A	AC3E12
2HS -VAOO6 VA	A SEL SWITCH	F/L2783 WES	0T2 CS509	AUX O	23 XX	0343	A 13C	6/20E-2-3304 C 6/20E- 6/20E-0-4471F	2VA162 2VA06J	A	AC3E12
2HS -VAOO7 VA	A SEL SWITCH	F/L2783 WES	072 CS509	AUX O	19 QX	0364	A13C	6/20E-0-3314 C 6/20E- 6/20E-0-4471G	2VAO47 2VAO7J	A	AC3E12
2HS -VAOO8 VA	SEL SWITCH	F/L2783 WES	0T2 CS509	AUX O	23 YX	0364	A13C	6/20E-2-3314 C 6/20E- 6/20E-0-4471H	2VA133 2VA08J	A	AC3E12
2HS -VAO11 VA	SEL SWITCH	F/L2783 WES	0T2 CS509	AUX O	21 YX	0346	A13C	6/20E-2-3314 C 6/20E- 6/20E-0-4471L	2VA143 2VA11J	Α	AC3E12



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

DATE : O1 SEP 84

PAGE : 107 OF 477

ACSE 12

SPEC. NUM.: F/L2783

SYSTEM : RE, VA

SAFETY CAT: A

FUNCTION : HVAC CONTROLS

ENVR ZONE : A13C

COMP/EQUIP: SELECTOR SWITCH

MANUF. : WESTINGHOUSE

MODEL SUPP: 0T2,CS509

PARAMETER : PLT DES: QU		:QUALIF		: QUALIFICATION : DOCUMENT REFERENCE	: REMARKS	: COMP : 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-BBO19 FOR COMPLETE DOCUMENTATION	: AC3E 12
PRESS PSIG :-0.5 TO:	AMBIENT	: TYPE	TEST	:2)AETC RETEST REPORT NO.	:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	1
:0 IN. WG:				: 18987-84N DATED 12/21/83.		-1
REL HUMID %: 90 :	90	: TYPE	TEST			270
RADIATION : 1EO7 :	1E07	: TYPE	TEST			
						1
CHEM SPRAY : N/A :	N/A	: N	I/A			1
PE THE MN : CONT. :	CONT.	: TYPE	TEST			2
						1
DUAL. LIFE :40 YRS.:	12 YRS.	: TYPE	TEST			
						1
SUBMERGENCE: N/A :	N/A	: N	/A			



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 108 OF 477
REVISION : O IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84

EQUIPMENT NUMBER	SY	TYPE (				TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	/ 0588 CAT.	COMPUTER NUMBER
N/A	VA	INDICATOR	LIGHT		*	EZC							1VA073 1VA06J	Α	AC3EO2
N/A	VA	INDICATOR	LIGHT	F/L2783	WES	EZC	AUX	017	QX	0364	A13C	6/20E-0-3314 6/20E- 6/20E-1-4471G	1VA042 1VA07J	D	AC3E02
N/A	VA	INDICATOR	LIGHT	F'_2783	WES	EZC	AUX	012	YX	0364	A13C	5/20E-1-3314 6/20E- 6/20E-1-4471H	1VA049 1VA08J	Α	AC3EO2
N/A	VA	INDICATOR	LIGHT	F/L2783	WES	EZC	AUX	015	YX	0364	A13C	6/20E-1-3314 0 6/20E- 6/20E-1-4471L	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	2VA073 2VA06J	A	AC3E02
N/A	VA	INDICATOR	LIGHT	F/L2783	WES	EZC	AUX	019	QX	0368	A 13C	6/20E-0-3314 6/20E- 6/20E-2-4471G	2VA044 2VA07J	D	AC3E02
N/A	VA	INDICATOR	LIGHT	F/L2783	WES	EZC	AUX	023	YX	0364	A 13C	6/20E-2-3314 C 6/20E- 6/20E-2-4471H	2VA050 2VA08J	A	AC3EO2
N/A	VA	INDICATOR	LIGHT	F/L2783	WES	EZC	AUX	021	YX	0343	A13C	6/20E-2-3304 0 6/20E- 6/20E-2-4471D	2VA067 2VA04J	Α	AC3EO2
N/A	VA	INDICATOR	LIGHT	F/L2783	WES	EZC	AUX	021	VX	0346	A13C	6/20E-2-3302 0 6/20E- 6/20E-2-4471E	2VA070 2VA05J	A	AC3E02
N/A	VA	INDICATOR	LIGHT	F/L2783	WES	EZC	AUX	015	YX	0343	A13C	6/20E-1-3304 0 6/20E- 6/20E-1-4471D	1VAC67 1VAO4J	Α	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	1VA070 1VA05J	Α	AC3EO2



PROJECT NUM	MBER:	4391-00		СОМ		EALTH EDISON ENTIFICATION	DAT		- BYF	THE RESERVE AND ADDRESS.		00D STATION & 2)	DATE		:	109 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY = .== .= VA 1		NT		MFG.		BDG	COL	ROW	ELEV	ZONE			NO ====	0588 CAT.	COMPUTER NUMBER AC3E02
N/A	VA 1	INDICATOR	LIGHT	F/L2783	WES	EZC	AUX	021	ZX	0364	A13C	6/20E-2-3314 C 6/20E- 6/20E-2-4471L	2VA05		A	AC3E02
N/A	VA 1	INDICATOR	LIGHT	F/L2783	WES	EZC	AUX	015	ux	0346	A13C	3/20E-1-3302 C 6/20E- 6/20E-1-4471C	1VA06-		Α	AC3EO2

PROJECT NUMBER: 4391-00

REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 110 OF 477 DATE : 01 SEP 84

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

	RONME DES:	NT		METHOD	: QUALIFICATION : DOCUMENT REFERENCE	: REMARKS	: COMP : NUMBER
TEMP DEG F : 1	30 :	130	: 1	YPE TEST	:AETC'S TEST REPORT NO. :15221.REV. 2- 10/14/83 -	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BB016 FOR COMPLETE DOCUMENTATION	:AC3EO2
PRESS PSIG : 0		AMBIENT	1	YPE TEST	:AETC'S RETESTING REPORT NO. :18987-84N, DATED	:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %: 9	ю :	90	: 1	TYPE TEST	:DECEMBER, 1983.		
RADIATION : 1	E07 :	1EQ7	. 1	YPE TEST			
CHEM SPRAY : N	I/A :	N/A	1	N/A			
OPE THE MN : CO	INT . :	CONT.	: 1	YPE TEST			:
QUAL. LIFE :40	YRS.:	12	: 1	YPE TEST			
SUBMERGENCE: N	I/A :	N/A		N/A			



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 111 OF 477 REVISION IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84 EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER NUMBER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER N/A VA WIRE F/L2783 GE 1-PLEX AUX 015 UX 0346 A13C A AC3E6M 1VAO3J N/A VA WIRE F/L2783 GE 1-PLEX AUX 015 YX 0346 A13C AC3E6M IVAO4J N/A VA WIRE F/L2783 GE 1-PLEX AUX 015 VX 0346 A13C A AC3E6M 1VA05J N/A VA WIRE F/L2783 GE 1-PLEX AUX 013 XX 0346 A13C A AC3E6M TVAO6J N/A VA WIRE F/L2783 GE 1-PLEX AUX 017 QX 0364 A13C AC3E6M 1VAO7J N/A VA WIRE F/L2783 GE 1-PLEX AUX 012 YX 0364 A13C AC3E6M 1VAOBJ N/A VA WIRE F/L2783 GE 1-PLEX AUX 015 YX 0364 A13C AC3E6M A 1VA11J N/A VA WIRE F/L2783 GE 1-PLEX AUX 021 UX 0346 A13C AC3E6M 2VAO3J N/A VA WIRE F/L2783 GE 1-PLEX AUX 021 YX 0343 A13C AC3E6M 2VAO4J N/A VA WIRE F/L2783 GE 1-PLEX AUX 021 VX 0346 A13C AC3E6M 2VA05J N/A VA WIRE r/L2783 GE 1-PLEX AUX 023 XX 0343 A13C AC3E6M 2VA06J



PROJECT NUM		: 4391-00 : 0	СОМ		EALTH EDISON (	DAT		- BYR			OOD STATION 8 2)	PAGE DATE	:	112 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY = VA		PURCHASE SPEC.NO.	MFG.		BDG ===	COL	ROW	ELEV					COMPUTER NUMBER .======= AC3E6M
N/A	VA	WIRE	F/L2783	GE	1-PLEX	AUX	023	YX	0364	A13C		2VAO8J	Α	AC3E6M
N/A	VA	WIRE	F/L2783	GE	1-PLEX	AUX	021	YX	0346	A13C		2VA11J	A	AC3E6M



PROJECT NUMBER: 4391-00

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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DATE : 01 SEP 84

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

	NVIRON		IFICATIO		METH	CATION	: QUALIFICATION : : DOCUMENT REFERENCE : REMARKS	: COMP : NUMBE
EMP DEG F :	130		130	: 1	YPE	T. W. M. T.	:1)AET'S TEST REPORT NO. :REFER TO ENVIRONMENTAL QUALIFICATION BINDER : 15281, REV. 2- 10/14/83 :NO. EQ-BBO2O FOR COMPLETE DOCUMENTATION	: AC3E6
RESS PSIG :	0		0	т.	YPE		2) AET'S RETESTING REPORT NO. : PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
							: 18987-84N, DATED :	4
EL HUMID %:	90		90	: T	YPE	TEST	: DECEMBER, 1983. :	1
		2		1 .			: [1] [1] [1] [1] [1] [1] [1] [1] [1] [1]	1
ADIATION :	1E07		1E07	: T	YPE	TEST	: 100 : 10 : 10 : 10 : 10 : 10 : 10 : 1	2
							크림 보이 되는 것 같아 없는 것이 하고 있다. 그렇게 다 그렇게 되는 것이 없는 것이 없는 것이 없는데 없다.	
HEM SPRAY :	N/A	2	N/A	1	N/	A	: [1] [2] [1] [1] [2] [2] [2] [2] [2] [2] [2] [2] [2] [2	
PE TME MN :	CONT.	1	CONT.	: T	YPE	TEST		
	40 VDC	1 .	o vnc		YPE	TECT		
JAL. LIFE :	40 YRS	. 4	O YRS.		TPE	1631	하다면 보통하는 지하는 사람들이 아니는 사람이 되었다.	
JBMERGENCE:	N/A		N/A		N/	Δ		
JOMERGENCE :	IN/ A		14/ 14		147	~		



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION REVISION : 0 IDENTIFICATION DATA SHEET (UNITS 1 & 2)

PAGE

: 114 OF 477 : 01 SEP 84

REVISION		: 0		101	ENTIFICATION	DATI	A 5	HEET	(UN	115 1	0 2)	DATE		O1 3EF 04
EQUIPMENT NUMBER		TYPE OF EQUIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	NUMBER
N/A	VA	TERMINAL BLOCK	F/L2783		THE RESERVE OF THE PARTY OF THE				0346			LEOAVI	A	AC3E6U
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	015	YX	0346	A13C		1VA04J	Α	AC3E6U
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR15182- NUC	AUX	015	vx	0346	A13C		1VA05J	Δ	AC3E6U
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR15182- NUC	AUX	013	xx	0346	A13C		1VA06J	Α	AC3E6U
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	017	QX	0364	A13C		1VA07J	Α	VC3Een
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	012	YX	0364	A 13C		LBOAVI	Α	AC3E6U
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	015	YX	0364	A 13C		1VA11J	Α	AC3E6U
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	021	ux	0346	A13C		2VAO3J	A	AC3E6U
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR 15 1B2 - NUC	AUX	021	YX	0343	A 13C		2VA04J	Α	AC3E6U
N/A	100	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	021	vx	0346	A13C		2VAO5J	Α	AC3E6U
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	023	xx	0343	A13C		2VAO6J	Α	AC3E6U



PROJECT NUM	217000000000000000000000000000000000000	: 4391-00 : 0	сом		EALTH EDISON	DAT		- BYF		RAIDWO	00D STATION & 2)	PAGE DATE		:	115 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY VA			MFG	TYPE/MODEL .====================================	BDG	COL	ROW	ELEV			CABLE PANEL	NO	0588 CAT.	COMPUTER NUMBER .====================================
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	023	YX	0364	A13C		2VA08	,	A	AC3E6U
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	021	YX	0346	A13C		2VA1'.		A	AC3E6U

PROJECT NUMBER: 4391-00
REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 116 OF 477 DATE : 01 SEP 84

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

		DES:	NT QUALIFICATI		METH	ICATION HOD	DOCU		ICATION REFERENCE		RI	EMARKS	: COM
MP DEG F		30 :	130		TYPE	TEST	1)AET'S	TEST	REPORT NO.	: R	EFER TO ENVIRONMENTAL	QUALIFICATION BINDER	:AC3E
									2- 10/14/83	: N	O. EQ-BBO17 FOR COMPI	LETE DOCUMENTATION	
RESS PSIG	: 0		0		TYPE	TEST	2)AET'S	RETES	TING REPURT	NO .: P	ACKAGE ASSOCIATED WIT	TH THIS EQUIPMENT.	
							18987-8	4N, D	DATED				1.0
L HUMID %	: 9	0 :	90		TYPE	TEST	DECEMBE	R. 198	13.				
	2			1									1
DIATION	: 1	E07 :	1E07		TYPE	TEST							
	1			1									
EM SPRAY	: N	/A :	N/A		N,	/A				1.			
	:												
E TME MN	: CO	NT. :	CONT.		TYPE	TEST							
	1												
AL. LIFE	:40	YRS.:	25.9 YRS.		TABE	TEST							
	:	. :			**								
BMERGENCE	: N	/A :	N/A		N,	A							



PROJECT NUM REVISION	BER	: 4391-00 : 0	СОМ		EALTH EDISON ENTIFICATION	100000000000000000000000000000000000000		- BY			OOD STATION & 2)	PAGE DATE	:	117 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.		TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
1VQ003	vQ	SOLENOID	F/L2884	ASC	NP-831654E	8					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	A 13D	6/20E-1-3373 6/20E- 6/20E-1-4536A	1VQ159	A	AD3C06
1VQ005B	vo	SOLENDID	F/L2884	ASC	NP-831654E	AUX	013	VX	0472	A 13D	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	A 13D	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	A 13D	6/20E-2-3382 6/20E- 6/20E-2-4536B	2VQ141	A	AD3C06
2VQ004B	VQ	SOLENDID	F/L2884	ASC	NP-831654E	AUX	024	UX	0451	A 13D	6/20E-2-3372 C 6/20E- 6/20E-	2VQ159	A	AD3C06
2VQ005B	VQ	SOLENOID	F/L2884	ASC	NP-831654E	AUX	023	VX	0467	A 13D	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	Α	AD3C06



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QUALIFICATION DATA SHEET (UNITS 1 & 2)

DATE : 01 SEP 84

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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

	PLT DE		LIFICATION		IFICATION ETHOD	: QUALIF : DOCUMENT	REFERENCE	: REMARKS	: COM	ER:
TEMP DEG F	122		348	: TY	PE TEST	:ASCO TEST REF	Company of the Compan	REFER TO ENVIRONMENTAL QUALIFICATION BINDER	: AD3C	
PRESS PSIG	-2 5-0	-	56		PE TEST	:67368,REV.O.D	DATED 03-02-82.	:NO. EQ-BB026 FOR COMPLETE DOCUMENTATION		
FRE33 F31G	2.5-0		36		PE IESI			:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.		- 1
REL HUMID %	90		100	TV	PE TEST					
, , , , , , , , , , , , , , , , , , ,			100		L 11.31					
RADIATION	1E06	:	2.05E08	: TY	PE TEST					
		:								
CHEM SPRAY	N/A	1	N/A	2						1
		3		:						
OPE THE MN	: SHORT		CONT.	: TY	PE TEST	1			-1.7	:
				1						:
QUAL. LIFE	:40 YRS		40.0 YRS	: TY	PE TEST	1		:40 YEARS LIFE IS BASED UPON REPLACING THE	4	;
CURMEDOENCE	/.	3			HONE			:ELASTOMERS & SOLENOID COILS DEPENDING ON		
SUBMERGENCE	: N/A		N/A		NONE			:AMBIENT TEMPERATURE.		- 3
		1		*		2				:



PROJECT NUME REVISION	BER	: 4391-00 : 0		COM		EALTH EDISON ENTIFICATION						8 2)	PAGE DATE		119 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE	1000		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
DFSV-VAO11	VA	SOLENOID	VALVE	F/L2783	4-11-11								1FP111 OVAO1JA	Α	AD3CO2
DFSV-VAO12	VA	SOLENOID	VALVE	F/L2783	ASC	NP8320A184E SV502	AUX	015	sx	0465	A 13D	6/20E-0-3384 0	1FP108 OVAO1JB	Α	AD3CO2
DFSV-VAO13	VA	SOLENOID	VALVE	F/L2783	ASC	NP8320A184E SV502	AUX	021	QX	0451	A 13D	6/20E-0-3384	2VAOO6 OVAO1JC	Δ	AD3CO2
DFSV-VAO14	VA	SOLENOID	VALVE	F/L2783	ASC	NP8320A184E SV502	AUX	021	QX	0451	A 13D	6/20E-O-4466D 6/20E-O-3384	2VAO12 0VAO1JD	Α	AD3CO2
DFSV-VAU15	VA	SOLENOID	VALVE	F/L2783	ASC	NP8320A184E SV503	AUX	015	sx	0465	A 13D	6/20E-0-4462A 6/20E-0-3384	1FP108 OVA01JB	Α	AD3CO2
DFSV-VAO16	VA	SOLENDID	VALVE	F/L2783	ASC	NP8320A184E SV503	AUX	021	QX	0451	A 13D	6/20E-O-4465E 6/20E-O-3384	2VA006 0VA01JC	Α	AD3CO2
DFSV-VAO17	VA	SOLENOID	VALVE	F/L2783	ASC	NP8320A184E	AUX	015	sx	0467	A 13D	6/20E-0-3384 0	1FP111	A	AD3CO2
DFSV-VAO18		SOLENOID	VALVE	E/1 2792	450	SV503 NP8320A184E	ALLY	015	ev	0465	A 13D	6/20E-0-4461B 6/20E-0-3384	0VA01JA	A	AD3CO2
)F3V-VAO18	VA	SULENUID	VALVE	7/12/03	ASC	SV504	AUA	013	3^	0403	A 13D	6/20E-0-4465E	OVACIJB		
DFSV-VA331	VA	SOLENOID	VALVE	F/L2783	ASC	NP8320A184E SV503	AUX	015	SX	0467	A13D	6/20E-0-3384 C	1FP111 OVAO1JA	Α	AD3CO2
DFSV-VA332	VA	SOLENOID	VALVE	F/L2783	ASC	NP8320A184E SV504	AUX	015	SX	0465	A 13D	6/20E-0-3384 C	1FP108 OVAO1JB	Α	AD3CO2
DFSV-VA511	VA	SCLENOID	VALVE	F/L2783	ASC	NP83204 184E SV504	AUX	015	SX	0467	A 13D	6/20E-0-3385 6/20E- 6/20E-0-4468F	1VA314	Α	AD3CO2



PROJECT NUM	MBER	: 4391-00 : 0		COM		EALTH EDISON ENTIFICATION							PAGE DATE	:	120 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE	MENT		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM, WIRING DIAGRAM NO	PANEL NO	CAT.	COMPUTER NUMBER
OFSV-VA512	VA	SOLENOID						-				6/20E-0-3376 6/20E- 6/20E-0-4468AF	1VA330	A	AD3CO2
OFSV-VA513	VA	SOLENOID	VALVE	F/L2783	ASC	NP8320A184E SV505	AUX	017	SX	0465	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4468AF	1VA266	Α	AD3CO2
OFSV-VA514	VA	SOLENOID	VALVE	F/L2783	ASC	NP8320A184E SV505	AUX	018	UX	0467	A 13D	6/20E-0-3385 6/20E- 6/20E-0-4465D	1VA451	A	AD3CO2
OFSV-VA515	VA	SOLENOID	VALVE	F/L2783	ASC	NP8320A184E SV505	AUX	018	SX	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4468AG	1VA430	Α	AD3CO2
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	Α	AD3CO2
OFSV-VA517	VA	SOLENOID	VALVE	F/L2783	ASC	NP8320A184E SV505	AUX	018	SX	0467	A 13D	6/20E-0-3385 6/20E- 6/20E-0-4468AG		A	AD3CO2
OFSV-VA518	VA	SOLENOID	VALVE .	F/L2783	ASC	NP8320A184E SV506	AUX	018	SX	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4468AG	2VA632	A	AD3CO2
OFSV-VA519	VA	SOLENOID	VALVE	F/L2783	ASC	NP8320A184E SV506	AUX	018	SX	0451	A 13D	6/20E-O-3375 6/20E- 6/20E-O-4468AH	2VA614	-	AD3CO2
OFSV-VA520	VA	SOLENOID	VALVE	F/L2783	ASC	NP8320A184E SV506	AUX	019	SX	0467	A 13D	6/20E-O-3385 6/20E- 6/20E-O-4468AH	2VA286	Δ	AD3CO2
OFSV-VA521	VA	SOLENOID	VALVE	F/L2783	ASC	NP8320A184E SV507	AUX	019	UX	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4468AH	2VA350	Α	AD3CO2
OFSV-VA522	VA	SOLENOID	VALVE	F/L2783	ASC	NP8320A184E SV507	AUX	021	SX	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4468AH	2VA300	Α	AD3CO2



PROJECT NUMBER REVISION	BER	: 4391-00 : 0		СОМ		EALTH EDISON ENTIFICATION		The state of the s			RAIDWI	DOD STATION & 2)	PAGE DATE			121 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE	- All States	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL	NO	0588 CAT.	COMPUTER NUMBER
OFSV-VA523	VA	SOLENDID	VALVE	F/L2783	ASC	NP8320A184E SV507	S. T. T. T. T. T.						1VA297		Α	AD3CO2
OFSV-VA524	VA	SOLENOID	VALVE	F/L2783	ASC	NP8320A184E SV507	AUX	015	UX	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4468AJ	1VA347		A	AD3CO2
OFSV-VA525	VA	SOLENOID	VALVE	F/L2783	ASC	NP8320A184E SV508	AUX	015	UX	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4468AJ	1VA265	5	Α	AD3CO2
OFSV-VA526	VA	SOLENOID	VALVE	F/L2783	ASC	NP8320A184E SV508	AUX	018	SX	0467	A 13D	6/20E-0-3385 C 6/20E- 6/20E-0-4468AG	2VA089	,	Α	AD3CO2
OFSV-VA527	VA	SOLENGID	VALVE	F/L2783	ASC	NP8320A184E SV508	AUX	018	UX	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4468AK	2VA627	,	A	AD3CO2
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	)	Α	AD3CO2
OFSV-VA529	VA	SOLENOID	VALVE	F/L2783	ASC	NP8320A184E SV509	AUX	021	UX	0467	A 13D	6/20E-0-3385 C 6/20E- 6/20E-0-4468AK	1VA444		Α	AD3C02
OFSV-VA530	VA	SOLENOID	VALVE	F/L2783	ASC	NP8320A184E SV509	AUX	019	ux	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4468AK	1VA42		Α	AD3CO2
OFSV-VA531	VA	SOLENOID	VALVE	F/L2783	ASC	NP8320A184E SV509	AUX	021	UX	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4468AL	1VA379	,	A	AD3CO2
OFSV-VA532	VA	SOLENOID	VALVE	F/L2783	ASC	NP8320A184E SV534	AUX	015	vx	0467	A 13D	6/20E-0-3385 C 6/20E- 6/20E-0-4468AC	1VA296	5	A	AD3C02
OFSV-VA533	VA	SOLENOID	VALVE	F/L2783	ASC	NP8320A184E SV534	AUX	015	VΧ	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4468AC	1VA32		۸	AD3C02



PROJECT NUME REVISION		4391-00		COM		EALTH EDISON ENTIFICATION						8 2)	PAGE DATE		122 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE EQUIP	MENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
OFSV-VA534				F/L2783	ASC	NP8320A184E SV534	AUX	015	VX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AC	1VA264	A	AD3CO2
OFSV-VA535	VA S	SOLENOID	VALVE	F/L2783	ASC	NP8320A184E SV534	AUX	017	vx	0467	A13D	6/20E-0-3385 C 6/20E- 6/20E-0-4468AC	2VA090	A	AD3CO2
OFSV-VA536	VA S	SOLENOID	VALVE	F/L2783	ASC	NP8320A184E VS535	AUX	018	ux	0459	A13D	6/20E-O-3376 6/20E- 6/20E-O-4468AD	2VA626	A	AD3CO2
OFSV-VA537	VA S	SOLENOID	VALVE	F/L2783	ASC	NP8320A184E SV535	AUX	018	UX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AC	2VA596	A	AD3CO2
OFSV-VA538	VA S	SOLENOID	VALVE	F/L2783	ASC	NP8320A184E SV535	AUX	021	VX	0467	A 13D	6/20E-0-3385 C 6/20E- 6/20E-0-4468AK	1VA435	A	AD3CO2
OFSV-VA539	VA S	SOLENOID	VALVE	F/L2783	ASC	NP8320A184E SV535	AUX	021	vx	0459	A 13D	6/20E-O-3376 6/20E- 6/20E-O-4468AD	1VA414	A	AD3CO2
OFSV-VA540	VA S	SOLENOID	VALVE	F/L2783	ASC	NP8320A 184E SV536	AUX	021	vx	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AL	1VA409	A	AD3CO2
OFSV-VA546	VA S	SOLENOID	VALVE	F/L2783	ASC	NP8320A184E SV536	AUX	019	VX	0475	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468E	1VA333	Α	AD3C02
OFSV-VA547	VA S	SOLENOID	VALVE	F/L2783	ASC	NP8320A184E SV536	AUX	019	VX	0451	A 13D	6/20E-0-3375 6/20E- €/20E-0-4468AE	1VA396	A	AD3C02



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 123 OF 477 DATE : O1 SEP 84

AD3CO2

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

ARAMETER : PLT DES: QUI		: QUALIFIC : METHO		ALIFICATION ENT REFERENCE	: REMARKS	: COMP : NUMBER
EMP DEG F : 122 :	348	TYPE T		REPORT NO. AQR .O,DATED 03-02-82.	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BB026 FOR COMPLETE DOCUMENTATION	AD3CO2
RESS PSIG : 0.5 :	56	TYPE T	ST :		:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
EL HUMID %: 90 :	100	: TYPE T	ST :		사람이 나는 이번 가셨다면 하는 것이 없는데 하는데 없다.	
DIATION : 1.0E06:	2.05E08	TYPE T	ST :			
						3.
IEM SPRAY : N/A :	N/A	: N/A				
PE TME MN :CONT./ :	CONT./	TYPE T	ST :			
:INTER. :	INTER.				:40 YEARS LIFE IS BASED UPON REPLACING THE	
JAL. LIFE : 40 YRS :	40.0 YRS	TYPE T	51 :		:ELASTOMERS & SOLENOID COILS DEPENDING ON	
					:AMBIENT TEMPERATURE.	
UBMERGENCE: N/A :	N/A	: N/A			AMDIENT TEMPERATURE.	



PROJECT NUM REVISION	BER	: 4391-00 : 0	COM		EALTH E		DAT	Sauce -	- BYE	O THE STATE OF THE		OOD STATION & 2)	PAGE DATE		124 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY		PURCHASE SPEC.NO.		TYPE/N		BDG	COL	ROW		ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER
1VQ001B	VQ	HYDRAULIC OPERATOR	F/L2794-1	B-W	DWG NO	85450	AUX	012	SX	0451	A 130	6/20E-1-3372 6/20E- 6/20E-1-4687G	1/0100	Α	AD3A13
1VQ002B	VQ	HYDRAULIC OPERATOR	F/L2794-1	B-W	DWG NO	85460	AUX	012	ux	0451	A13D	6/20E-1-3372 6/20E- 6/20E-1-4687G	1VQ127	A	AD3A13
2VQ001B	vo	HYDRAULIC OPERATOR	F/L2794-1	B-W	DWG NO	85450	AUX	024	SX	0451	A 13D	6/20E-2-3372 C 6/20E- 6/20E-		A	AD3A13
2VQ002B	vQ	HYDRAULIC OPERATOR	F/L2794-1	B-W	DWG NO	85450	AUX	024	ux	0451	A 13D	6/20E-2-3372 C 6/20E- 6/20E-	2VQ127	Α	AD3A13



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 125 OF 477 DATE : 01 SEP 84

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

PARAMETER :PL	IRONMENT	ICATION: HOD :	QUALIFICATION DOCUMENT REFERENCE	REMARKS	: COMP : :NUMBER:
TEMP DEG F :		 		TIFICATION SUBMITTED TO NRC.CECO O/84, ATTACHMENT C.	: AD3A13
PRESS PSIG :					
REL HUMID %:					
RADIATION :					1 1
CHEM SPRAY :					
OPE THE MN :					
QUAL. LIFE :					
SUBMERGENCE:					



COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 126 OF 477 PROJECT NUMBER: 4391-00 IDENTIFICATION DATA SHEET (UNITS 1 & 2) : 01 SEP 84 : 0 REVISION --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER TYPE OF PURCHASE EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. SY EQUIPMENT NUMBER NUMBER F/L2884 JAM 8926 MOD.BW AUX 0462 A13D N/A N/A N/A AD3B22 1VQ001B VQ ISOLATION BUTTERFLY VLV. JAM 8926 MOD.BW AUX N/A N/A AD3B22 VQ ISOLATION F/L2884 0462 A13D N/A 1VQ002B BUTTERFLY VLV. N/A N/A AD3B22 0475 A13D N/A 1V0003 VQ ISOLATION F/L2884 JAM 8226-EXMOD.C AUX BUTTERFLY VLV. 0462 A13D N/A N/A N/A AD3B22 JAM 8226-EXMOD.C AUX 1VQ004B VQ ISOLATION F/L2884 BUTTERFLY VLV. N/A N/A AD3B22 0475 A13D N/A 1VQ005B VQ ISCLATION F/L2884 JAM 8226-EXMOD.C AUX BUTTERFLY VLV. N/A N/A AD3B22 0462 A13D N/A 2VQ001B VQ ISOLATION F/L2884 JAM 8926 MOD.BW AUX BUTTERFLY VLV. AD3B22 0462 A13D N/A N/A N/A 2VQ002B VQ ISOLATION F/L2884 JAM 8926 MOD.BW AUX BUTTERFLY VLV. AD3B22 JAM 8226-EXMOD.C AUX 0462 A13D N/A N/A N/A 2VQ003B VQ ISOLATION F/L2884 BUTTERFLY VLV. N/A N/A AD3B22 2VQ004B VQ ISOLATION F/L2884 JAM 8226-EXMOD.C AUX 0475 A13D N/A BUTTERFLY VLV. AD3B22 0475 A13D 1./A N/A N/A VQ ISOLATION F/L2884 JAM 8226-EXMOD.C AUX



2VQ005B

BUTTERFLY VLV.

PROJECT NUMBER: 4391-00

REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 127 OF 477 DATE : 01 SEP 84

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

	JALIFICATION	::QUALIFICATION: N: METHOD :	QUALIFICATION DOCUMENT REFERENCE	REMARKS	: COMP :NUMBER
EMP DEG F : 150 :	250	: ANALYSIS	SEE REMARKS	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BB052 FOR COMPLETE DOCUMENTATION	: AD3B22
RESS PSIG : 50 :	150	: ANALYSIS		:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
EL HUMID %: 70 :	100	: ANALYSIS		보기를 다시하는 아이들은 보다 되었다.	
ADIATION : 1E06 :	2E08	ANALYSIS		교사 회장 보이 되어 있다. 나는 사람은 경기를 받아 되었다.	
HEM SPRAY : N/A :	N/A	: N/A			
PE TME MN : CONT.	CONT.	: ANALYSIS			
JAL. LIFE :40 YRS.:	40 YRS.	: ANALYSIS :			
UBMERGENCE: N/A	N/A	N/A			



PROJECT NUMBER: 4391-00 REVISION : 0 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION IDENTIFICATION DATA SHEET (UNITS 1 & 2)

PAGE

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EQUIPMENT NUMBER	SY	TYPE OF			TYPE/MODEL	BDG	COL ROW ELEV	ZONE	SCHEMATIC DIAGRAM/ CA WIRING DIAGRAM NO. PA	NEL NO	CAT.	COMPUTER NUMBER
OVAO1CA	VA	HVAC FAN	F/L2774	JOY	AXIVANE	AUX		A 13D				AD3GO3
OVAO1CB	VA	HVAC FAN	F/L2774	JOY	AXIVANE	AUX	0451	A 13D				AD3GO3
OVAO1CC	VA	HVAC FAN	F/L2774	JOY	AXIVANE	AUX	0451	A 13D				AD3G03
OVAO1CD	VA	HVAC FAN	F/L2774	JOY	AXIVANE	AUX	0451	A 13D				AD3G03
OVAO2CA	VA	HVAC FAN	F/L2774	JOY	AXIVANE	AUX	0476	A 13D				AD3GO3
OVAO2CB	VA	HVAC FAN	F/L2774	JOY	AXIVANE	AUX	0476	A 13D				AD3GO3
OVAO2CB	VA	HVAC FAN	F/L2774	JOY	AXIVANE	AUX	0476	A 13D				AD3G03
OVAO2CC	VA	HVAC FAN	F/L2774	JOY	AXIVANE	AUX	0476	A 13D				AD3G03
OVAO2CC	VA	HVAC FAN	F/L2774	JOY	AXIVANE	AUX	0476	A 13D				AD3G03
OVAO2CD	VA	HVAC FAN	F/L2774	JOY	AXIVANE	AUX	0476	A 13D				AD3G03
OVAO2CD	VA	HVAC FAN	F/L2774	JOY	AXIVANE	AUX	0476	A 13D				AD3GO3



OVAO4CB

VA HVAC FAN

### SARGENT & LUNDY ENGINEERS COMPONENT QUALIFICATION DIVISION

PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
REVISION : O IDENTIFICATION DATA SHEET (UNITS 1 & 2) PAGE : 129 OF 477
DATE : 01 SEP 84 PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER TYPE OF EQUIPMENT NUMBER SY EQUIPMENT SPEC.NO. MFG TYFE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER OVAO2CE VA HVAC FAN F/L2774 JOY AXIVANE AUX 0476 A13D AD3G03 AUX 0476 A13D AD3GO3 F/L2774 JOY AXIVANE OVA02CF VA HVAC FAN AD3GO3 0476 A13D OVAO3CA VA HVAC FAN F/L2774 JOY AXIVANE AD3GO3 F/L2774 JOY AXIVANE 0476 A13D OVAO4CA VA HVAC FAN

AUX

F/L2774 JOY AXIVANE

0476 A13D



AD3G03

PROJECT NUMBER: 4391-00 REVISION : 0 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 130 OF 477 DATE : 01 SEP 84

AD3GO3

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

PARAMETER :		QUALIFIC	ATION:		: DO	QUALIFICA CUMENT RE	FERENCE		: COMP : NUMBER
TEMP DEG F :		: SEE		ANALYSIS		N/A		:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. CQD- N/A FOR COMPLETE DOCUMENTATION	: AD3GO3
PRESS PSIG :	009 TO 0.0							:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	1
REL HUMID %:								:ITEMS DO NOT CONTAIN ANY NON-METALLIC PARTS; :THEREFORE, NO E.O. IS REQUIRED.	
RADIATION :	1E06	1						:NO BINDER IS REQUIRED.	
CHEM SPRAY :	N/A								: -
OPE THE MN :	CONT.								
QUAL. LIFE	40 YRS.								
SUBMERGENCE:	N/A								1



PROJECT NUI REVISION		: 4391-00 : 0	сом			EDISON							PAGE DATE		131 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.	MEG	TYPE	/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM, WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
OVAO1CA		AUX BLDG HVAC SUPPLY FAN DA	F/L2774	REL	350 HP	CLASS F INSULAT : RBI	AUX	015	SX	0451	A 13D	6/20E-0-3374 6/20E- 6/20E-1-4611N	1VA001	D	AD3A23
OVAO1CB	VA	AUX BLDG HVAC SUPPLY FAN OB	F/L2774	REL	HP	CLASS F INSULAT : RBI		015	QX	0451	A 13D	6/20E-0-3374 6/20E- 6/20E-1-4613T	1VA009	D	AD3A23
OVAO1CC	VA	AUX BLDG HVAC SUPPLY FAN OC	F/L2774	REL	HP	CLASS F INSULAT : RBI		021	SX	0451	A 13D	6/20E-0-3374 6/20E- 6/20E-2-4611N	2VA001	D	AD3A23
OVAO1CD	VA	AUX BLDG HVAC SUPPLY FAN OD	F/L2774	REL	HP	CLASS F INSULAT : RBI		021	QX	0451	A 13D	6/20E-0-3374 0 6/20E- 6/20E-2-4613L	2VA009	D	AD3A23
OVAO2CA	VA	AUX BLDG HVAC EXHAUST FAN DA	F/L2774	REL	HP	CLASS F INSULAT : RBI		016	sx	0476	A 13D	6/20E-0-3386 6/20E- 6/20E-1-4611V	1VA016	A	AD3A23
OVAO2CB	VA	AUX BLDG HVAC EXHAUST FAN OB	F/L2774	REL	HP	CLASS F INSULAT : RBI		017	sx	0476	A 13D	6/20E-0-3386 6/20E- 6/20E-1-4613U	1VA019	A	AD3A23
OVAO2CC	VA	AUX BLDG HVAC EXHAUST FAN OC	F/L2774	REL	HP	CLASS F INSULAT : RBI		019	sx	0476	A13D	6/20E-0-3386 6/20E- 6/20E-2-4611X	2VA016	A	AD3A23
OVAO2CD	VA	AUX BLDG HVAC EXHAUST FAN OD	F/L2774	REL	HP	CLASS F INSULAT : RBI		020	SX	0476		6/20E-0-3386 6/20E- 6/20E-2-4613C	2VA019	Α	AD3A23
OVAO3CA	VA	AUX BLDG HVAC EXHAUST CHARCL BOOSTER FAN OA	F/L2774	REL	HP	CLASS H INSULAT : RH		015	WX	0476	A 13D	6/20E-0-3386 6/20E- 6/20E-*-4630G	1VA026	Α	AD3A23
OVAO3CB	VA	AUX BLDG HVAC EXHAUST CHARCL BOOSTER FAN OB	F/L2774	REL	HP	CLASS H INSULAT : RH		017	wx	0476	A 13D	6/20E-0-3386 6/20E- 6/20E-1-4637G	1VA030	Α	AD3A23
OVAO3CC	VA	AUX BLDG HVAC EXHAUST CHARCL BOOSTER FAN OC	F/L2774		HP	CLASS H INSULAT		017	wx	0476	A 13D	6/20E-0-3386 6/20E- 6/20E-2-4611N	2VA001	Α	AD3A23



	200	. 4391-00 : 0	COMI		CHARLES AND THE	EDISON	DAT		- BYF			00D STATION & 2)	PAGE DATE		132 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	The second second second	SPEC.NO.	MFG	TYPE	/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
OVA03CD		AUX BLDG HVAC EXHAUST CHARCL BOOSTER FAN OD			075 HP		AUX					6/20E-0-3386 C 6/20E- 6/20E-2-4613L		A	
OVAO3CE	VA	AUX BLDG HVAC EXHAUST CHARCL BOOSTER FAN DE	F/L2774	REL	HP	CLASS H INSULAT : RH		019	vx	0476	A 13D	6/20E-0-3386 C 6/20E- 6/20E-1-4637J	1VA029	A	AD3A23
OVA03CF	VA	AUX BLDG HVAC EXMAUST CHARCL BOOSTER FAN OF	F/L2774	REL	HP	CLASS H INSULAT : RH		021	VX	0476	A 13D	6/20E-O-3386 C 6/20E- 6/20E-2-4630J	2VA029	A	AD3A23
OVAO4CA	VA	AUX BLDG HVAC F H BLDG CHARCL BOOSTER FAN DA	F/L2774	REL	HP	CLASS H INSULAT : RH		018	WX	0476	A 13D	6/20E-0-3386 C 6/20E- 6/20E-1-4669E	1VA 120	A	AD3A23
OVAO4CB	VA	AUX BLDG HVAC F H BLDG CHARCL BOOSTER FAN OB		REL	HP	CLASS H INSULAT : RH		019	WX	0476	A 13D	6/20E-0-3386 C 6/20E- 6/20E-1-4689A	1VA124	A	AD3A23



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QUALIFICATION DATA SHEET (UNITS 1 & 2)

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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

	PLT DES	ENT QUALIFICAT	THE RESERVED TO SERVED THE	METHOD	: QUALIFICATION : DOCUMENT REFERENCE	: REMARKS	: COMP : NUMBE
EMP DEG F :	104	122	: T	PE TEST	A STATE OF THE RESERVE OF THE PARTY OF THE P	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BBOO3 FOR COMPLETE DOCUMENTATION	:AD3A2
PRESS PSIG :	ATM	ATM	1	ANALYSIS	: MOTOR SYSTEMS TYPE TEST : SUPPORT ANALYSIS RANDOM	:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %:	70	100	T	PE TEST	: WOUND MOTORS, NUC-9 7/1/78. : AND SUPPLEMENTAL REPORT TO		
RADIATION :	1E06	3E08	: T	PE TEST	:NUC-9 REV. 2 DATED 7/15/81.		1
CHEM SPRAY :	N/A	. N/A		N/A			
PE THE MN :	CONT.	CONT.	T .	PE TEST			;
OUAL. LIFE :	40	40	. T	PE TEST			:
UBMERGENCE:	N/A	: N/A		N/A			



PROJECT NUM REVISION		4391-00	COM		EALTH EDISON ENTIFICATION				(UN			PAGE DATE	:	134 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW		ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
OFZ -VAO35		DMPR MOTOR 400YA/ACTUATOR	F/L2903	ITT	NH91			*	State of the latest and the			1VA719	Α	AD3A09
OFZ -VAO36		DMPR MOTOR 400YB/ACTUATOR	F/L2903	ITT	NH91	AUX	016	QX	0475	A 13D	6/20E-O-3387 VAO36 6/20E-O-4468G	1VA575	Α	AD3AO9
OFZ -VAO37		DMPR MOTOR 401YB/ACTUATOR	F/L2903	ITT	NH91	AUX	019	QX	0475	A 13D	6/20E-O-3384 6/20E- 6/20E-O-4469L	2VA720	A	AD3AO9
OFZ -VAO38		DMPR MOTOR 401YA/ACTUATOR	F/L2903	ITT	NH91	AUX	019	QX	0475	A 13D	6/20E-0-3387 C 6/20E- 6/20E-0-4469L	2VA719	Α	AD3AO9
OFZ -VA341AA	4.50	DMPR 58YA ACTUATOR	F/L2903	ITT	NH95	AUX	018	ux	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4469R	1VA456	Δ	AD3AO9
OFZ -VA341AB	200	DMPR 58YB ACTUATOR	F/L2903	ITT	NH95	AUX	018	ux	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4469R	1VA459	A	AD3AO9
OFZ -VA341AC		DMPR 58YC ACTUATOR	F/L2903	111	NH95	AUX	019	UX	0459	A130	6/20E-0-3376 6/20E- 6/20E-0-4469R	1VA462	Α	AD3AO9
OFZ -VA341BA		DMPR 59YA ACTUATOR	F/L2903	ITT	NH95	AUX	018	vx	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4469R	1VA465	Α	AD3A09
OFZ -VA341BB		DMPR 59YB ACTUATOR	F/L2903	ITT	NH95	AUX	018	vx	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4469R	1VA468	Δ	AD3AO9
OFZ -VA342AA		DMPR 53YA ACTUATOR	F/L2903	ITT	NH95	AUX	018	ux	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4469Q	1VA517	Α	AD3A09
OFZ -VA342AB	0.00	DMPR 53YB ACTUATOR	F/L2903	ITT	NH95	AUX	018	ux	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4469Q	1VA520	Α	AD3A09



PROJECT NUMBER: 4391-00 REVISION : 0	COMMONWEALTH EDISON O	COMPANY - BYRON/BRAIDWOOD STATION DATA SHEET (UNITS 1 & 2)	PAGE : DATE :	135 OF 477 O1 SEP 84
EQUIPMENT TYPE OF NUMBER SY EQUIPMENT	PURCHASE SPEC.NO. MFG TYPE/MODEL	LOCATION ENVR SCHEMATIC DIAGRAM/ BDG COL ROW ELEV ZONE WIRING DIAGRAM NO.		COMPUTER NUMBER
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	AD3AO9
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	AD3AO9
OFZ -VA501 D VA DMPR 47YB ACTUATOR	F/L2903 ITT NH95	AUX 016 UX 0475 A13D 6/20E-O-3386 6/20E- 6/20E-O-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	AD3AO9
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 -VASO4 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



PROJECT NUMBER: REVISION :	4391-00	СОМІ		ENTIFICATION							PAGE DATE		136 OF 477 O1 SEP 84
EQUIPMENT NUMBER SY	TYPE OF EQUIPMENT		MFG		BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
M. M. A. L. L. M.	22YA ACTUATOR	F/L2903	F	NH91						6/20E-0-3386 VA253 6/20E-0-4469N	1VA495	Α	AD3AO9
	22YB ACTUATOR	F/L2903	ITT	NH9 1	AUX	016	ux	0475	A 13D	6/20E-0-3386 VA253 6/20E-0-4469N	1VA498	A	AD3AO9
	23YA ACTUATOR	F/L2903	177	NH9 1	AUX	016	ux	0475	A 13D	6/20E-0-3386 VA254 6/20E-0-4469N	1VA557	Α	AD3AO9
The state of the s	23YB ACTUATOR	F/L2903	177	NH9 1	AUX	016	ux	0475	A 13D	6,20F-O-3386 VA254 6/20E-O-4469N	1VA560	Α	AD3AO9
	24YA ACTUATOR	F/L2903	ITT	NH91	AUX	017	UX	0475	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4469F	2VA711	Α	AD3AO9
THE RESERVE AND ADDRESS OF THE PARTY OF THE	24YB ACTUATOR	F/L2903	ITT	NH9 1	AUX	017	UX	0475	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4469F	2VA715	A	AD3AO9
A	25YA ACTUATOR	F/L2903	ITT	NH9 1	AUX	017	ux	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4469F	2VA712	Α	AD3AO9
The state of the s	25YB ACTUATOR	F/L2903	ITT	NH91	AUX	017	ux	0475	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4469G	2VA716	Α	AD3A09
	57Y ACTUATOR	F/L2903	ITT	NH9 1	AUX	018	ux	0475	A 13D	6/20E-O-3386 VA257 6/20E-O-4469S	1VA713	A	AD3AO9
W. W	62Y ACTUATOR	F/L2903	ITT	NH9 1	AUX	018	UX	0475	A 13D	6/20E-O-3386 VA258 6/20E-O-4469S	1VA714	A	AD3AO9
OFZ -VA719 A VA	67YA ACTUATOR	F/L2903	ITT	NH9 1	AUX	019	UX	0475	A 130	6/20E-0-3386 VA259 6/20E-0-4469J	1VA563	Α	AD3A09



PROJECT NUMBER: 4391-00 REVISION : 0	СОММО	INWEALTH EDISON O	and the second second second	- BYE	CON/PRAIDW	OOD STATION & 2)	PAGE DATE	:	137 OF 477 O1 SEP 84
EQUIPMENT TYPE OF NUMBER SY QUIPMENT OFZ -VA719 B VA 67 . ACTUATOR		FG TYPE/MODEL	BDG CO	L ROW	ELEV ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO. 6/20E-0-3386 VA259 6/20E-0-4469J		0588 CAT.	COMPUTER NUMBER .======== AD3AO9
OFZ -VA720 A VA 72YA ACTUATOR	F/L2903 I	TT NH91	AUX 02	o ux	0475 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469J	2VA713	A	AD3A09
OFZ -VA720 B VA 72YB ACTUATOR	F/L2903 I	TT NH91	AUX 02	o ux	0475 A13D	6/20E-0-3386 6/20E- 6/20E-0-4469K	2VA717	A	AD3A09



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 138 OF 477 DATE : O1 SEP 84

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

	ENVIRON :PLT DE		DALIFICATION	0.000	LIFI METH	CATION		QUALIF	REFERENCE		REMARKS	: COMP : NUMBER
EMP DEG F	:MAX 12	2:	MAX 250	: T	YPE				. 730.1.140. OR REQUALIFIC-		FER TO ENVIRONMENTAL QUALIFICATION BINDER . EQ-BB037 FOR COMPLETE DOCUMENTATION	:AD3A09
RESS PSIG	:-0.009 :TD 0.0		6 PSIG	. T	YPE	3.000	ATION	OF ITT	GC NH90 SERIES UATORS (W/ INC		CKAGE ASSOCIATED WITH THIS EQUIPMENT.	
EL HUMID %		1 .	100	. T	YPE		LUSION	OF APP	ENDICES A THRU	• :		:
ADIATION	: 1E06		1E07	: T	YPE	TEST				:		
HEM SPRAY	: N/A	1	N/A	•	N/	Α				:		
PE TME MN	: CONT.		CONT. & INTER.	: T	YPE	TEST				:		
UAL. LIFE	Note: No contract of the contr		40	. 1	YPE	TEST				3000	YRS. QUALIFICATION BASED ON PERFORMING THE HEDULED REPLACEMENT & SURVEILANCE REQUIRE-	:
UBMERGENCE	: N/A		N/A		N/	Α				: MEI	NTS AS INDICATED ON TAB E OF EQ-BBC37.	1



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 139 OF 477 DATE : 01 SEP 84 IDENTIFICATION DATA SHEET (UNITS 1 & 2) REVISION --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER EQUIPMENT TYPE OF PURCHASE SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER NUMBER 0476 A13D N/A N/A N/A AD3G07 OVA022YA VA DAMPER F/L2903 PAP AIR PROD. AUX AD3GO7 N/A N/A OVA022YB VA DAMPER F/L2903 PAP AIR PROD. 0476 A13D N/A N/A N/A AD3G07 OVA023YA VA DAMPER F/L2903 PAP AIR PROD. AUX 0476 A13D N/A N/A N/A AD3G07 0476 A13D N/A VA DAMPER F/L2903 PAP AIR PROD. AUX OVA023YB N/A N/A AD3G07 OVAO24YA VA DAMPER F/L2903 PAP AIR PROD. AUX 0476 A13D N/A N/A N/A AD3GO7 OVA024YB VA DAMPER F/L2903 PAP AIR PROD. 0476 A13D N/A N/A AD3G07 N/A OVAO25YA VA DAMPER F/L2903 PAP AIR PROD. AUX 0476 A13D N/A N/A N/A AD3GO7 0451 A13D N/A F/L2903 PAP AIR PROD. AUX OVA025YB VA DAMPER N/A N/A AD3G07 F/L2903 PAP AIR PROD. AUX 0451 A13D N/A OVAO53YA VA DAMPER 0451 A13D N/A N/A N/A AD3G07 F/L2903 PAP AIR PROD. AUX OVAO53YB VA DAMPER N/A N/A AD3GO7

AUX

0451 A13D N/A



OVA053YC

VA DAMPER

F/L2903 PAP AIR PROD.

PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 140 GF 477 DATE : 01 SEP 84 IDENTIFICATION DATA SHEET (UNITS 1 & 2) REVISION COMPUTER --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 EQUIPMENT TYPE OF PURCHASE SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER SY EQUIPMENT NUMBER 0451 A13D N/A N/A N/A AD3GO7 F/L2903 PAP AIR PROD. OVAO54YA VA DAMPER AUX 0451 A13D N/A N/A N/A AD3G07 F/L2903 PAP AIR PROD. AUX OVAO54YB VA DAMPER AD3G07 N/A N/A OVA057Y VA DAMPER F/L2903 PAP AIR PROD. AUX 0476 A13D N/A N/A N/A AD3GO7 0451 A13D N/A OVAO58YA VA DAMPER F/L2903 PAP AIR PROD. AUX N/A N/A AD3G07 0451 A13D N/A OVA058YB VA DAMPER F/L2903 PAP AIR PROD. AUX N/A N/A AD3GO7 F/L2903 PAP AIR PROD. AUX 0451 A13D N/A VA DAMPER OVA058YC F/L2903 0451 A13D N/A N/A N/A **AD3G07** OVAO59YA VA DAMPER PAP AIR PROD. AUX N/A N/A AD3G07 F/L2903 0451 A13D N/A PAP AIR PROD. AUX OVA059YB VA DAMPER N/A N/A AD3G07 OVAO62Y VA DAMPER F/L2903 PAP AIR PROD. AUX 0476 A13D N/A N/A N/A AD3G07 F/L2903 PAP AIR PROD. AUX 0476 A13D N/A OVAO67YA VA DAMPER AD3G07 OVAO67YB VA DAMPER F/L2903 PAP AIR PROD. AUX 0476 A13D N/A N/A N/A



COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 141 OF 477 PROJECT NUMBER: 4391-00 IDENTIFICATION DATA SHEET (UNITS 1 & 2) : 01 SEP 84 DATE REVISION --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER PURCHASE TYPE OF EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. SY EQUIPMENT NUMBER N/A N/A AD3G07 OVAO72YA VA DAMPER F/L2903 PAP AIR PROD. AUX 0476 A13D N/A N/A N/A AD3G07 OVAO72YB VA DAMPER F/L2903 PAP AIR PROD. AUX 0476 A13D N/A 0476 A13D N/A N/A N/A AD3G07 F/L2903 PAP AIR PROD. AUX OVAO79YA VA DAMPER N/A AD3G07 0476 A13D N/A N/A OVAO79YB VA DAMPER F/L2903 PAP AIR PROD. AUX 0451 A13D N/A N/A N/A AD3G07 F/L2903 PAP AIR PROD. AUX OVAO84YA VA DAMPER F/L2903 PAP AIR PROD. AUX 0451 A13D N/A N/A N/A AD3G07 OVAOB4YB VA DAMPER N/A N/A AD3G07 F/L2903 PAP AIR PROD. AUX 0451 A13D N/A VA DAMPER OVAO85YA AD3G07 N/A N/A OVAO85YB VA DAMPER F/L2903 PAP AIR PROD. AUX 0451 A13D N/A 0451 A130 N/A N/A N/A AD3G07 F/L2903 PAP AIR PROD. AUX OVAO86YA VA DAMPER AD3G07 VA DAMPER F/L2903 PAP AIR PROD. AUX 0451 A13D N/A N/A N/A OVAO86YB AD3G07 N/A N/A VA DAMPER F/L2903 PAP AIR PROD. AUX 0451 A13D N/A OVAO87YA



PAGE : 142 OF 477 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PROJECT NUMBER: 4391-00 : 01 SEP 84 REVISION : 0 IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER TYPE OF PURCHASE EQUIPMENT SY EQUIPMENT SPEC.NC. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER NUMBER N/A AD3G07 F/L2903 PAP AIR PROD. AUX 0451 A13D N/A N/A VA DAMPER OVAO87YB N/A 0451 A13D N/A N/A AD3G07 AY880AVO VA DAMPER F/L2903 PAP AIR PROD. AUX N/A N/A AD3CO7 F/L2903 PAP AIR PROD. AUX 0451 A13D N/A OVAO88YB VA DAMPER N/A N/A AD3G07 0451 A13D N/A AYEBOAVO VA DAMPER F/L2903 PAP AIR PROD. AUX N/A N/A AD3G07 F/L2903 PAP AIR PROD. AUX 0451 A13D N/A . VA DAMPER OVAO89YB N/A N/A AD3G07 0451 A13D N/A AYOPOAVO VA DAMPER F/L2903 PAP AIR PROD. AUX 0476 A13D N/A N/A N/A AD3GO7 OVA090YB VA DAMPER F/L2903 PAP AIR PROD. AUX N/A N/A AD3G07 0476 A13D N/A OVA400YA VA DAMPER F/L2903 PAP AIR PROD. AUX 0476 A13D N/A N/A N/A AD3G07 F/L2903 PAP AIR PROD. AUX OVA400YB VA DAMPER N/A N/A AD3G07 OVA424YA VA DAMPER F/L2903 PAP AIR PROD. AUX. 0476 A 13D N/A 0476 A13D N/A N/A N/A AD3G07 AUX OVA424YB VA DAMPER F/L2903 PAP AIR PROD.



PROJECT NUME REVISION	-	: 4391-00 : 0	СОМ			H EDISON FICATION		and a community of the	STATE OF THE	OOD STATION 8 2)	PAGE DATE	:	143 OF 477 O1 SEP 84
EQUIPMENT NUMBER OVA425YA	SY == VA		PURCHASE SPEC.NO.	MFG.	.===	E/MODEL PROD.	BDG COL R	ROW ELEV	ZONE			0588 CAT. 	COMPUTER NUMBER .====================================
OVA425YB	VA	DAMPER	F/L2903	PAP	AIR	PROD.	AUX	0476	A 13D	N/A	N/A	N/A	AD3GO7
OVA427YA	VA	DAMPER	F/L2903	PAP	AIR	PROD.	AUX	0476	A 13D	N/A	N/A	N/A	AD3GO7
OVA427YB	VA	DAMPER	F/L2903	PAP	AIR	PROD.	AUX	0476	A 13D	N/A	N/A	N/A	AD3G07
OVA478Y	VA	DAMPER	F/L2903	PAP	AIR	PROD.	AUX	0443	A 13D	N/A	N/A	N/A	AD3GO7

PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

DATE : 01 SEP 84

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AD3GO7

SPEC. NUM .: F/L2903

SYSTEM : VA

SAFETY CAT: N/A

FUNCTION : CONTROL AIR FLOW

ENVR ZONE : A13D

COMP/EQUIP: DAMPER

MANUF. : PACIFIC AIR PRODUCTS

MCDEL SUPP:

PARAMETER :P		200		METHOD :	QUALIFICATION DOCUMENT REFERENCE	: REMARKS	: COMP : NUMBER
	122	2	SEE : REMARKS :	SEE : REMARKS :	N/A	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. CQD- N/A FOR COMPLETE DOCUMENTATION :PACKAGE ASSOCIATED WITH THIS EQUIPMENT. :ITEMS DO NOT CONTAIN ANY NON-METALLIC COMPON-	: AD3G07
REL HUMID %:		1 1 1 1				ENTS: THEREFORE NO E.Q. IS REQUIRED.	
CHEM SPRAY :	N/A	:					
OPE THE MN :	NTER.	:					
QUAL. LIFE :4	O YRS.	:					
SUBMERGENCE:	N/A	2 2					



	ROJECT NUM EVISION		: 4391-00 : 0	COM		EALTH EDISON							PAGE DATE	:	145 OF 477 O1 SEP 84
	QUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
	-935	SI	PRESSURE TRANSMITTER	F/L2702	BRN		AUX	011	S	0451	A13D				AD3E 15
1PT	-936	SI	PRESSURE TRANSMITTER	F/L2702	BRN	752	AUX	012	VX	0451	A 13D	6/20E-1-3372 6/20E-1-4031 CS02 6/20E-1-4109J	105088	A	AD3E15
1PT	-937	SI	PRESSURE TRANSMITTER	F/L2702	ERN	752	AUX	012	UX	0462	A 13D	6/20E-1-3372 6/20E-1-4031 CSO3 6/20E-1-4109D	1CSO89	Α	AD3E15
2LT	-930	SI	LEVEL TRNSMTTER	F/L2702	BRN	752	AUX	021	BB	0364	A 13D	6/20E-0-3316 C 6/20E-2-4030 SIO1 6/20E-2-4109C	251467	Α	AD3E15
2LT	-931	SI	LEVEL TRNSMTTER	F/L2702	BRN	752	AUX	022	88	0364	A13D	6/20E-0-3316 C 6/20E-2-4030 SIO2 6/20E-2-4109C	251468	Δ	AD3E 15
2LT	-932	SI	LEVEL TRNSMTTER	F/L2702	BRN	752	AUX	022	ВВ	0364	A13D	6/20E-0-3316 C 6/20E-2-4030 SIO3 6/20E-2-4109C	251469	Α	AD3E15
2LT	-933	SI	LEVEL TRNSMTTER	F/L2702	BRN	752	AUX	022	АА	0364	A 13D	6/20E-0-3316 C 6/20E-2-4030 SIO4 6/20E-2-4109C	251470	A	AD3E 15
2PT	-936	SI	PRESSURE TRANSMITTER	F/L2702	BRN	752	AUX	024	VX	0451	A 13D	6/20E-2-3372 6/20E-2-4031 CS02 6/20E-2-4109J	2CSO88	Α	AD3E 15
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	205089	A	AD3E 15



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COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 146 OF 477 DATE : O1 SEP 84

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

IRONMEN T DES: Q		: QUALIFICATION N: METHOD	The second secon	REFERENCE	REMARKS	: COMP : NUMBER
				**********	*************	
122 :	130	The second secon	A STATE OF THE PARTY OF THE PAR	The second secon	The car is a contract to the c	: AD3E 15
0 :	0	: TYPE TEST			PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
70 :	95	TYPE TEST				
1E05 :	1E05	TYPE TEST				
N/A :	N/A	: N/A				
ONT.	CONT.	: :TEST/ANALYSIS				
						1
YRS.:	5 YRS.	:TEST/ANALYSIS				1
N/A :	N/A	N/A				
	122 0 70 1E05 N/A CONT.	122 : 130 0 : 0 70 : 95 1E05 : 1E05 N/A : N/A CONT : CONT . 0 YRS : 5 YRS .	122 130 TYPE TEST  0 0 TYPE TEST  70 95 TYPE TEST  1E05 1E05 TYPE TEST  N/A N/A N/A  CONT. CONT. TEST/ANALYSIS  2 YRS. 5 YRS. TEST/ANALYSIS	122 130 TYPE TEST WESTINGHOUSE TEST REPORT O	122 130 TYPE TEST WESTINGHOUSE EQUIPMENT QUAL.  O O TYPE TEST  70 95 TYPE TEST  1E05 1E05 TYPE TEST  N/A N/A N/A  CONT. CONT. TEST/ANALYSIS:  O YRS. 5 YRS. TEST/ANALYSIS:	122 130 TYPE TEST WESTINGHOUSE EQUIPMENT QUAL. REFER TO ENVIRONMENTAL QUALIFICATION BINDER TEST REPORT 4A. NO. EQDP-ESE-4 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.  1EO5 1EO5 TYPE TEST  N/A N/A N/A CONT. CONT. TEST/ANALYSIS: TYPE TEST TEST/ANALYSIS:



PROJECT NUM REVISION	BER: 4391-00 : 0		EALTH EDISON ENTIFICATION		(UNITS 1		PAGE DATE		147 OF 477 O1 SEP 84
EQUIPMENT NUMBER	TYPE OF SY EQUIPMENT		A CONTRACTOR OF STREET, STREET	BDG COL ROW	ELEV ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER 
	PRESSURE TRANSMITTER	L/L2906							
2PT-PC005	PC DIFFERENTIAL PRESSURE TRANSMITTER	F/L2702 BRN L/L2906	764	AUX	0451 A13D			В	AD3E6L



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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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: DIFFERENTAIL PRESSURE TRANSMITTER

MANUF. : BARTON

MODEL SUPP: 764

PARAMETER :PLT DES:QU	JALIFICATION	: QUALIFICATION : METHOD		: REMARKS	: COMP : NUMBER
TEMP DEG F : 122 :	420	TYPE TEST	:ITT BARTON REPORT NO. :R3-7649, REV. 3 DATED	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BB063 FOR COMPLETE DOCUMENTATION	AD3E6L
PRESS PSIG :-0.5 TO: :O IN.WG:	75	TYPE TEST	:10/5/82	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	4
REL HUMID %: 100 :	100	TYPE TEST			
RADIATION : 1EO6 :	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			



PROJECT NUM REVISION		4391-00	СОМ	17.00	EALTH EDISON (	DAT		- BYR			DOD STATION 8 2)	PAGE DATE	:	149 OF 477 O1 SEP 84
EQUIPMENT NUMBER OPDC-VAO35	VA	The second secon		MFG .===	TYPE/MODEL	BDG ===	COL	ROW .==.	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO. 6/20E-0-3384 C	PANEL NO	CAT.	COMPUTER NUMBER .====================================
OPDC-VA036	120,000	PRESSURE DIFFR. CONTROLLER	F/L2783	LOV	54-8187-8115 -8174-8134 RC533		014	QX	0465	A13D	6/20E-0-3384 C 6/20E-0-4465E	1FP108 OVAO1JB	A	AD3E2O
OPDC-VA037		PRESSURE DIFFR. CONTROLLER	F/L2783	LOV	54-8187-8115 -8174-8134 RC533		020	QX	0465	A 13D	6/20E-0-3384 C	2VAOO6 OVAO1JC	A	AD3E2O
OPDC-VAO38		PRESSURE DIFFR. CONTROLLER	F/L2783	LOV	54-8187 8115 -8174-8134 RC533	and the same of	020	QX	0465	A 13D	6/20E-O-3384 C	2VAO12 OVAO1JD	Α	AD3E2O

PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 150 OF 477 DATE : O1 SEP 84

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

ARAMETER	:PL	T D	ES:QU	ALIFICATI		ALIFICATIO METHOD	N:	QUALIF	ICATION REFERENCE	REMARKS	: COMP : NUMBE
			==;==			********	*;***		************		
EMP DEG F				SEE	1		1			REFER TO ENVIRONMENTAL QUALIFICATION BINDER	:AD3E2
	2			REMARKS	- 2		1			:NO. EQ-BBO77 FOR COMPLETE DOCUMENTATION	
RESS PSIG	:-0	. 5	TO:		2.		7			:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
	:0	IN.	WG:				- 3 - 0 -				
L HUMID %		70					3				
	8						1				2
DIATION	2	1EO	4				2				
TO THE OWNER OF THE OWNER		0.000			-					THE RADIATION LEVEL AT THIS LOCATION HAS PEEN	
EM SPRAY	. 1	N/A					9			ANALYTICALLY DETERMINED TO BE 1604. EQUIPMENT	
21 1001	2						72			IS NOT SUBJECTED TO A HARSH ENVIRONMENT AND	
E THE MN	*				2.					:THEREFORE NOT IN THE SCOPE.	
C IME MIA	*		*							THEREFORE NOT THE THE SOURCE	
	-						*				
AL. LIFE	:40	YK:	5. :		9						
	*		- 2				0				
JBMERGENCE	2	N/A	- 2		- 7		2				
	2		2		1		\$				2



PROJECT NUM REVISION	BER	: 4391-00 : 0	COM		ENTIFICATION	-						DATE		151 OF 477 O1 SEP 84
NUMBER	SY	EQUIPMENT	SPEC.NO.	MFG	TYPE/MODEL	8DG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	NUMBER
OFIC-VA713						AUX						1FP111 OVAO1JA		AD3E16
OFIC-VA714	VA	FLOW INDICATING CONTROLLER	F/L2783	LOV	54-8187-8115 -8174 RC529		014	QX	0465	A 13D	6/20E-0-3384 C	1FP108 OVAO1JB	A	ADJE16
OFIC-VA715	VA	FLOW INDICATING CONTROLLER	F/L2783	LOV	54-8187-8115 -8174 RC529		020	QX	0465	A 13D	6/20E-0-3384 C	2VAOO6 OVAO1JC	A	AD3E16
OFIC-VA716	VA	FLOW INDICATING CONTROLLER	F/L 783	LOV	54-8187-8115 -8174 RC529		020	QX	0465	A13D	6/20E-0-3384 C	2VAO12 CVAO1JD	Α	AD3E16
OFIC-VA717	VA	FLOW INDICATING CONTROLLER	F/L2783	LOV	54-8187-8115 -8174 RC530	100000000000000000000000000000000000000	014	QX	0465	A13D	6/20E-0-3384 C	1FP111 OVAO1JA	A	AD3E16
OFIC-VA718	VA	FLOW INDICATING CONTROLLER	F/L2783	LOV	54-8187-8115 -8174 RC530		014	QX	0465	A 13D	6/20E-0-3384 C	1FP108 OVAO1JB	A	AD3E16
OFIC-VA719	VA	FLOW INDICATING CONTROLLER	F/L2783	LOV	54-8187-8115 -8174 RC530	1000000	014	QX	0465	A 13D	6/20E-0-3384 C	1FP108 OVAO1JB	A	AD3E 16
OFIC-VA720	VA	FLOW INDICATING CONTROLLER	F/L2783	LOV	54-8187-8115 -8174 RC530		020	QX	0465	A 13D	6/20E-0-3384 C	2VAOO6 OVAO1JC	A	AD3E 16



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 152 OF 477 DATE : O1 SEP 84

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

ARAMETER :PI	LT DES	QUALIFICATIO	ON: METHOD	FICATION REFERENCE	REMARKS	: COMP : NUMBER
EMP DEG F :					:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BBO77 FOR COMPLETE DOCUMENTATION	: AD3E 16
RESS PSIG :	0				PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	1
EL HUMID %:	70					1
ADIATION	1E04				THE RADIATION LEVEL AT THIS LOCATION HAS BEEN	
HEM SPRAY :	N/A				ANALYTICALLY DETERMINED TO BE 1604. EQUIPMENT	
PE TME MN :	CONT.				THEREFORE NOT IN THE SCOPE.	1
UAL. LIFE :						
UBMERGENCE:	N/A					



PROJECT NUMBER: 4391-00 REVISION : 0			COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION IDENTIFICATION DATA SHEET (UNITS 1 & 2)								PAGE DATE	F 100 000 000			
EQUIPMENT NUMBER	SY	EQUIP	MENT		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		CAT.	COMPUTER NUMBER
OPDY-VA035 A													1FP111 OVAO1JA	A	AD3E23
OPDY-VAO35 B	VA	PRESSURE	DIFFR.	F/L2783	MRE	DCA MD538	AUX	014	QX	0465	A13D	6/20E-0-3384 C	1FP111 OVAO1JA	Α	AD3E23
OPDY-VAO36 A	VA	PRESSURE	DIFFR.	F/L2783	MRE	ADM MD538	AUX	014	QX	0465	A130	6/20E-0-3384 C	1FP108 OVAO1JB	Α	AD3E23
OPDY-VAO36 B	VA	PRESSURE	DIFFR.	F/L2783	MRE	DCA MD538	AUX	014	QX	0465	A 13D	6/20E-0-3384 C	1FP108 OVAO1JB	Α	AD3E23
OPDY-VAO37 A	VA	PRESSURE	DIFFR.	F/L2783	MRE	ADM MD539	AUX	020	QX	0465	A 13D	6/20E-0-3384 C	2VAOO6 OVAO1JC	A	AD3E23
OPDY-VAO37 B	VA	PRESSURE RFLAY	DIFFR.	F/L2783	MRE	DCA MD539	AUX	020	QX	0465	A13D	6/20E-0-3384 C	2VAOO6 OVAO1JD	Δ	AD3E23
OPDY-VAO38 A	VA	PRESSURE RELAY	DIFFR.	F/L2783	MRE	ADM MD539	AUX	020	QX	0465	A13D	6/20E-0-3384 C	2VAO12 OVAO1JD	A	AD3E23
OPDY-VAD38 B	VA	PRESSURE RELAY	DIFFR.	F/L2783	MRE	DCA MD539	AUX	020	QX	0465	A 13D	6/20E-0-3384 C	2VAO12 0VAO1JD	A	AD3E23



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 154 OF 477 DATE : O1 SEP 84

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

ARAMETER : PLT DES: QUALIFICATION: METHOD : DOCUMENT REFEREN	: CO CE : REMARKS : NUM
EMP DEG F: 104: SEE: : REMARKS: : RESS PSIG:50 TO: : O IN. WG: :	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :AD3 :NO. EQ-BB074 FOR COMPLETE DOCUMENTATION : :PACKAGE ASSOCIATED WITH THIS EQUIPMENT. :
EL HUMID %: 70 :	
ADIATION : 1EO4 : : : : : : : : : : : : : : : : : : :	THE RADIATION LEVEL AT THIS LOCATION HAS BEEN : ANALYTICALLY DETERMINED TO BE 1604. EQUIPMENT : IS NOT SUBJECTED TO A HARSH ENVIRONMENT AND :
PE TME MN :	THEREFORE NOT IN THE SCOPE.
UAL. LIFE :40 YRS.:	
UBMERGENCE: N/A	[19] [19] [19] [19] [19] [19] [19] [19]



PROJECT NUMBER: 439 REVISION : 0			ALTH EDISON O							PAGE DATE	:	155 OF 477 O1 SEP 84
Manual Control of the	QUIPMENT SE	URCHASE PEC.NO. MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
	SURE DIFFR. F/I	L2783 SLN								1FP111 OVAO1JA	Α	AD3E21
OPDS-VA115 VA PRES	SURE DIFFR. F/I		7PS/7P2A PS602	AUX	014	QX	0465	A 13D	6/20E-0-3384 C	1FP108 OVAO1JB	Α	AD3E21
OPDS-VA125 VA PRES	SURE DIFFR. F/I		7PS/7P2A PS602	AUX	020	QX	0465	A 13D	6/20E-0-3384 C	2VAOO6 OVAO1JC	A	AD3E21
OPDS-VA135 VA PRES	SURE DIFFR. F/I	The state of the s	7PS/7P2A PS602	AUX	020	QX	0465	A 13D	6/20E-0-3384 C	2VAO12 OVAO1JD	Α	AD3E21
OPDS-VA205 VA PRES	SURE DIFFR. F/I		7PS/7P2 PS608	AUX	014	QX	0465	A 13D	6/20E-0-3384 C	1FP111 OVAO1JA	Α	AD3E21
OPDS-VA215 VA PRES	SURE DIFFR. F/I		7PS/7P2 PS608	AUX	014	QX	0465	A 13D	6/20E-0-3384 C	1FP108 OVA01JB	A	AD3E21
OPDS-VA225 VA PRES	SURE DIFFR. F/I	The second secon	7PS/7P2 PS608	AUX	020	QX	0465	A 13D	6/20E-0-3384 C	2VAOO6 OVAO1JC	A	AD3E21
OPGS-VA235 VA PRES	SURE DIFFR. F/I		7PS/7P2 PS608	AUX	020	QX	0465	A 13D	6/20E-0-3384 C	2VAO12 OVAO1JD	A	AD3E21
OPDS-VA306 VA PRES	SURE DIFFR. F/I		7PS/7P2 PS625	AUX	014	QX	0465	A 13D	6/20E-0-3384 C	1FP111 OVAO1JA	A	AD3E21
OPDS-VA309 VA PRES	SURE DIFFR. F/I	The second secon	7PS/7P2 PS626	AUX	014	QX	0465	A 13D		1FP108 OVAO1JB	А	AD3F21
OPDS-VA316 VA PRES	SURE DIFFR. F/I	the second secon	7PS/7P2 PS626	AUX	020	QX	0465	A 13D		2VAOC6 OVAO1JC	Α	AD3E21



PROJECT NUME REVISION	BER	: 4391-00 : 0		COM		EALTH EDISON ENTIFICATION			- BYF		RAIDWI		PAGE DATE	:	156 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE	200		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
OPDS-VA319	VA	PRESSURE SWITCH	DIFFR.	F/L2783								6/20E-0-3384 C	2VAO12 OVAO1JD	A	AD3E21
OPDS-VA326	VA	PRESSURE SWITCH	OIFFR.	F/L2783	SLN	7PS/7P2 PS627	AUX	014	QX	0465	A13D	6/20E-0-3384 C	1FP108 OVAO1JB	A	AD3E21
OPDS-VA329	VA	PRESSURE SWITCH	DIFFR.	F/L2783	SLN	7PS/7P2 PS628	AUX	020	QX	0465	A 13D	6/20E-0-3384 C	2VAOO6 OVAO1JC	A	AD3E21
OPDS-VA336	VA	PRESSURE SWITCH	DIFFR.	F/L2783	SLN	7PS/7P2 PS628	AUX	014	QX	0465	A 13D	6/20E-0-3384 C	1FP111 OVAO1JA	A	AD3E21
OPDS-VA339	VA	PRESSURE SWITCH	DIFFR.	F/L2783	SLN	7PS/7P2 PS629	AUX	014	QX	0465	A13D	6/20E-0-3384 C	1FP108 OVAO1JB	Α	AD3E21



PROJECT NUMBER: 4391-00 REVISION : 0 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 157 OF 477 DATE : 01 SEP 84

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 PLANY ENVIRONMENTAL CONDITIONS

PARAMETER :PLT DES:QU	JALIFICATION: MET		UALIFICATION :	REMARKS	: COMP : NUMBER
TEMP DEG F : 104 : PRESS PSIG :50 TO: O IN.WG:		:	:1	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BBO75 FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	:AD3E2
REL HUMID %: 70 :					
RADIATION : 1EO4 : : : : : : : : : : : : : : : : : : :				THE RADIATION LEVEL AT THIS LOCATION HAS BEEN ANALYTICALLY DETERMINED TO BE 1604. EQUIPMENT	:
OPE THE MN :				IS NOT SUBJECTED TO A HARSH ENVIRONMENT AND THEREFORE NOT IN THE SCOPE.	
QUAL. LIFE :40 YRS.:					
SUBMERGENCE: N/A :		90 ph 34 ph			



PROJECT NUME REVISION	BER: 4391-00 : 0		EALTH EDISON ENTIFICATION				PAGE DATE	:	158 OF 477 O1 SEP 84
	TYPE OF SY EQUIPMENT			BDG COL ROW	ELEV ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
1PS -FP171	FP PRESSURE SWITCH	F/L2906 UEL	J302-S164 PS168	AUX O12 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	A 13D	6E- 6E- 6E-2-4967A	2FP420	A	AD3E14



PROJECT NUMBER: 4391-00 REVISION : O

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS . & 2)

DATE : 01 SEP 84

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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

ARAMETER : PLT DES:		:QUALIFICATIO	N: QUALIFICATION : DOCUMENT REFERENCE	: REMARKS	: COMP : NUMBER
EMP DEG F : 122	147	TYPE TEST	:WYLE LABORATORIES QUALIFI- :CATION REPORT 17612-1.	: (*QUALIFICATION TO RADIATION BY ANALYSIS). :INTERIM JUSTIFICATION HAS BEEN PROVIDED.	: AD3E 1
RESS PSIG :25 TO: :O IN.WG:	AMBIENT	: TYPE TEST		:ADDITIONAL TESTING FOR RADIATION WILL BE :PERFORMED. SEE S&L LETTER TO WYLE DATED	1
EL HUMID %: 70 :	95	: TYPE TEST		:4-27-84.	3.
ADIATION : 1E06 :	1E06	: ANALYSIS*			
HEM SPRAY : N/A	N/A	: N/A			
PE TME MN : CONT. :	CONT.	: TYPE TEST			
JAL. LIFE :40 YRS.:	40 YRS.	: TYPE TEST			
JBMERGENCE: N/A	N/A	N/A			- 1



PROJECT NUME REVISION	BER	: 4391-00 : 0	COM		EALTH EDISON ENTIFICATION	DAT	77.00	- BYF		RAIDWO	00D STATION 8 2)	PAGE DATE	:	160 DF 477 O1 SEP 84
EQUIPMENT NUMBER	SY				TYPE/MODEL	DDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
		PRESSURE DIFFR. TRANSMITTER	F/L2783			- 5					6/20E-0-3386 C 6/20E- 6/20E-4468G	1VA703	Α	AD3E22
OPDT-VAO36 A	VA	PRESSURE DIFFR. TRANSMITTER	F/L2783	VAL	P361D PT521	AUX	015	VX	0426	A13D	6/20E-O-3386 C VAO36 6/20E-O-4465G	1VA707	A	AD3E22
OPDT-VAO37 A	VA	PRESSURE DIFFR. TRANSMITTER	F/L2783	VAL	P361D PT522	AUX	021	YX	0426	A 13D	6/20E-0-3386 C 6/20E- 6/20E-0-4468G	2VA707	A	AD3E22
OPDT-VAO37 C	VA	PRESSURE DIFFR. TRANSMITTER	F/L2783	VAL	P361D PT522	AUX	025	NX	0426	A 13D	6/20E- 6/20E- 6/20E-O-4468G	2VA709	A	AD3E22
OPDT-VAO38 A	VA	PRESSURE DIFFR.	F/L2783	VAL	P361D PT523	AUX	021	YX	0426	A 13D	6/20E-O-3386 C 6/20E- 6/20E-O-4468G	2VA703	A	AD3E22



PROJECT NUMBER: 4391-00 CCMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION REVISION : O QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 161 OF 477

DATE : O1 SEP 84

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

		PER MARIE	ALIFICATION:	QUALIFICATION: METHOD :	QUALIFICATION DOCUMENT REFERENCE	: REMARKS	: COMP : NUMBER
EMP DEG F	: 104 : :5 TO	:	SEE :		***************************************	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BB097 FOR COMPLETE DOCUMENTATION :PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	:AD3E22
EL HUMID %	:0 IN.W	:					
ADIATION						THE RADIATION LEVEL AT THIS LOCATION HAS BEEN	
HEM SPRAY		:				:ANALYTICALLY DETERMINED TO BE 1E04. EQUIPMENT :IS NOT SUBJECTED TO A HARSH ENVIRONMENT AND :THEREFORE NOT IN THE SCOPE.	
E TME MN						i i	
JAL. LIFE							
UBMERGENCE	N/A						



PROJECT NUM	PROJECT NUMBER: 4391-00 REVISION : 0					EALTH EDISON ENTIFICATION						00D STATION & 2)	PAGE DATE		162 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY		TYPE OF QUIPMENT		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
OFT -VA713	VA	FLOW	TRANSMITTR			P361D FT508							1VA181	Α	A 1AE 17
OFT -VA714	VA	FLOW	TRANSMITTR	F/L2783	VAL	P361D FT508	AUX	016	vx	0475	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4468G	1VA 182	A	A1AE17
OFT -VA715	VA	FLOW	TRANSMITTR	F/L2783	VAL	P361D FT508	AUX	017	vx	0475	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4468G	2VA 151	A	A1AE17
OFT -VA716	VA	FLOW	TRANSMITTR	F/L2783	VAL	P361D FT508	AUX	018	vx	0475	A 13D	6/20E-0-3387 6/20E- 6/20E-0-4468G	2VA 182	A	A1AE17
OFT -VA717	VA	FLOW	TRANSMITTR	F/L2783	VAL	P361D FT509	AUX	018	vx	0475	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4468G	1VA184	Α	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	1VA 185	A	A1AE17
OFT -VA719	VA	FLOW	TRANSMITTR	F/L2783	VAL	P361D FT509	AUX	019	vx	0475	A 13D	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	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4468G	1VA 184	A	A 1AE 17



PROJECT NUMBER: 4391-00

REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 163 OF 477 DATE : 01 SEP 64

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...... QUALIFICATION: QUALIFICATION PARAMETER : PLT DES: QUALIFICATION: METHOD : DOCUMENT REFERENCE REMARKS : A 1AE 17: TEMP DEG F : 104 : SEE : REMARKS : PRESS 751G :- 0.5 TO: :0 IN. WG: REL HUMID %: 70 : RADIATION : 1EO4 : 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 THE MN : QUAL. LIFE : SUBMERGENCE: N/A :



PROJECT NUME REVISION	-	439		COM		EALTH EDISON ENTIFICATION							PAG	E E		164 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	E	TYPE OF QUIPMENT		MFG		BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANE	L NO	CAT.	
N/A	7		PULLOUT	F/L2783			700000000				A13D				A	AD3E6S
N/A	VA	FUSE	PULLOUT	F/L2783	ITE	P302-C	AUX	015	ux	0459	A 13D		онѕ	-VA512	A	AD3E6S
N/A	VA	FUSE	PULLOUT	F/L2783	ITE	P302-C	AUX	015	SX	0451	A 13D		OHS	-VA513	Α	AD3E6S
N/A	VA	FUSE	PULLOUT	F/L2783	ITE	P302-C	AUX	018	UX	0467	A 13D		OHS	-VA514	Α	AD3E6S
N/A	VA	FUSE	PULLOUT	F/L2783	ITE	P302-C	AUX	018	ux	0459	A 13D		OHS	-VA515	Α	AD3E6S
N/A	VA	FUSE	PULLOUT	F/L2783	ITE	P302-C	AUX	018	sx	0451	A 13D		OHS	-VA516	A	AD3E6S
N/A	VA	FUSE	PULLOUT	F/L2783	ITE	P302-C	AUX	018	sx	0469	A 13D		OHS	-VA517	Α	AD3E6S
N/A	VA	FUSE	PULLOUT	F/L2783	ITE	P302-C	AUX	018	UX	0459	A 13D		OHS	-VA518	Δ	AD3E6S
N/A	VA	FUSE	PULLOUT	F/L2783	ITE	P302-C	AUX	021	SX	0451	A 13D		OHS	-VA519	Α	AD3E6S
N/A	VA	FUSE	PULLOUT	F/L2783	ITE	P302-C	AUX	021	sx	0467	A 13D		OHS	-VA520	Α	AD3E6S
N/A	VA	FUSE	PULLOUT	F/L2783	ITE	P302-C	AUX	021	UX	0459	A 13D		OHS	-VA521	Δ	AD3E6S



PROJECT NUM REVISION		: 439 : 0		COM	IDI	EALTH	EDISON	DAT	ANY A SI	- BYF	(UN	RAIDWITS 1	OOD STATION & 2)	DATE			165 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	E	TYPE OF QUIPMENT	PURCHASE SPEC.NO.	MFG			BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL	. NO	CAT.	COMPUTER NUMBER
N/A	-	*	PULLOUT	F/L2783				C 100		T 100		A 13D			-VA522	A	AD3E6S
N/A	VA	FUSE	PULLOUT	F/L2783	ITE	P302	-с	AUX	015	vx	0467	A13D		OHS -	-VA523	A	AD3E6S
N/A	VA	FUSE	PULLOUT	F/L2783	ITE	P302	-c	AUX	015	sx	0459	A 13D		OHS -	-VA524	A	AD3E6S
N/A	VA	FUSE	PULLOUT	F/L2783	ITE	P302	-c	AUX	015	sx	0451	A 13D		OHS -	VA525	A	AD3E6S
N/A	VA	FUSE	PULLOUT	F/L2783	ITE	P302	-с	AUX	018	sx	0467	A13D		OHS -	-VA526	331	AD3E65
N/A	VA	FUSE	PULLOUT	F/L2783	ITE	P302	-c	AUX	018	ux	0459	A 13D		OHS -	-VA527	A	AD3E6S
N/A	VA	FUSE	PULLOUT	F/L2783	ITE	P302	-с	AUX	018	ux	0451	A 13D		OHS -	-VA528	A	AD3E6S
N/A	VA	FUSE	PULLOUT	F/L2783	ITE	P302	-c	AUX	021	UX	0467	A 13D		OHS -	-VA529	A	AD3E6S
N/A	VA	FUSE	PULLOUT	F/L2783	ITE	P302	-с	AUX	021	ux	0459	A 13D		OHS -	-VA530	Δ	AD3E6S
N/A	VA	FUSE	PULLOUT	F/L2783	ITE	P302	-с	AUX	021	ux	0451	A 13D		OHS -	-VA531	A	AD3E6S
N/A	VA	FUSE	PULLOUT	F/L2783	ITE	P302	-c	AUX	015	vx	0467	A 13D		OHS -	-VA532	Α	AD3E6S



REVISION		: 0				ENTIFICATION							DAT			01 SEP 84
EQUIPMENT NUMBER	SY	E	TYPE OF QUIPMENT		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANE	L NO	CAT.	COMPUTER NUMBER
I/A			PULLOUT	F/L2783							A13D			-VA533		AD3E6S
/A	VA	FUSE	PULLOUT	F/L2783	ITE	P302-C	AUX	015	vx	0451	A 13D		OHS	-VA534		AD3E6S
/A	VA	FUSE	PULLOUT	F/L2783	ITE	P3C2-C	AUX	018	vx	0467	A 13D		OHS	-VA535		AD3E6S
/A	VA	FUSE	PULLOUT	F/L2783	ITE	P302-C	AUX	018	vx	0459	A 13D		OHS	-VA536		AD3E6S
/A	VA	FUSE	PULLOUT	F/L2783	ITE	P302-C	AUX	018	vx	0451	A 13D		OHS	-VA537		AD3E6S
/A	VA	FUSE	PULLOUT	F/L2783	ITE	P302-C	AUX	021	vx	0467	A 13D		OHS	- VA538		AD3E6S
/A	VA	FUSE	PULLOUT	F/L2783	ITE	P302-C	AUX	019	UX	0459	A13D		OHS	-VA539		AD3E6S
/A	VA	FUSE	PULLOUT	F/L2783	ITE	P302-C	AUX	021	vx	0451	A 13D		OHS	-VA540		AD3E6S
/A	VA	FUSE	PULLOUT	F/L2783	ITE	P302-C	AUX	018	vx	0475	A 13D		OHS	-VA546		AD3E6S
I/A	VA	FUSE	PULLOUT	F/L2783	ITE	P302-C	AUX	018	vx	0451	A 13D		OHS	-VA547		AD3E6S



PROJECT NUMBER: 4391-00 REVISION : 0 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 167 OF 477 DATE : 01 SEP 84

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

		DES:Q	UALIFICATI	Contract of the second	LIFICATION METHOD	: QUALIFICATION : : DOCUMENT REFERENCE : REMARKS	: COMP : :NUMBER:
TEMP DEG F	12	22	130	: Т	YPE TEST	:1)AET'S TEST REPORT NO. : REFER TO ENVIRONMENTAL QUALIFICATION BINDER : 15281, REV. 2- 10/14/83 :NO. EQ-BB018 FOR COMPLETE DOCUMENTATION	:AD3E65:
PRESS PSIG	0.	0 :	0	: T	YPE TEST	:2)AET'S RETESTING REPORT NO. :PACKAGE ASSOCIATED WITH THIS EQUIPMENT. : 18987-84N, DATED	
REL HUMID %:	70	) :	90	: Т	YPE TEST	: DECEMBER, 1983.	: :
RADIATION :	18	06 :	1E06	т.	YPE TEST	[1] [1] [1] [1] [1] [2] [2] [2] [2] [2] [2] [2] [2] [2] [2	
CHEM SPRAY	N/	A :	N/A	1	N/A		1 1
OPE THE MN	CON	IT. :	CONT.	: T	YPE TEST	[18] : [18] : [18] : [18] : [18] : [18] : [18] : [18] : [18] : [18] : [18] : [18] : [18] : [18] : [18] : [18]	
QUAL. LIFE	40 Y	RS.:	14 YRS.		YPE TEST		1 1
SUBMERGENCE :	N/	'A :	N/A		N/A		
				1			



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE 168 OF 477 REVISION IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE O1 SEP 84 EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ COMPUTER NUMBER EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO NUMBER **OFP428B** FP LIMIT SWITCH F/L2718-2 NAM EA17031302 AUX 015 VX 0459 A13D 6/20E-0-3376 1FP070 AD3D09 6/20E-6/20E-0-4976A OFP4288 FP LIMIT SWITCH F/L2718-2 N. EA17032302 AUX 015 VX 0459 A13D 6/20E-0-3376 **1FP078** AD3D09 6/20E-6/20E-0-4976A OFP428C FP LIMIT SWITCH F/L2718-2 NAM EA17031302 AUX 015 VX 0451 A13D 6/20E-0-3375 1FP071 AD3D09 6/20E-6/20E-0-4976A OFP428C FP LIMIT SWITCH F/L2718-2 NAM EA17032302 AUX 015 VX 0451 A13D 6/20E-0-3375 1FP072 AD3D09 6/20E-6/20E-0-4976A OFP428E FP LIMIT SWITCH F/L2718-2 NAM EA17031302 AUX 015 SX 0467 A13D 6/20E-0-3376 2FP070 **AD3D09** 6/20E-6/20E-0-4976A OFP428E FP LIMIT SWITCH F/L2718-2 NAM EA17032302 AUX 015 SX 0467 A13D 6/20E-0-3376 2FP078 **AD3D09** 6/20E-6/20E-0-4976A OFP428F FP LIMIT SWITCH F/L2718-2 NAM EA17031302 AUX 015 VX 0451 A13D 6/20E-0-3375 2FP072 **AD3009** 6/20E-6/20E-0-4976B OFF428F FP LIMIT SWITCH F/L2718-2 NAM EA17032302 AUX 015 VX 0451 A13D 6/20E-0-3375 2FP071 AD3D09 6/20E-6/20E-0-4976B OFP428H FP LIMIT SWITCH F/L2718-2 NAM EA17031302 AUX 021 VX 0460 A13D 6/20E-0-3376 2FP090 AD3D09 6/20E-6/20E-0-4676B OFP428H FP LIMIT SWITCH F/L2718-2 NAM EA17032302 AUX 021 VX 0460 A13D 6/20E-9-3376 1FP090 AD3D09 6/20E-6/20E-0-4676B OFP428J FP LIMIT SWITCH F/L2718-2 NAM EA17031302 AUX 021 VX 0451 A13D 6/20E-0-3375 2FP091 AD3D09 6/20E-6/20E-0-4976B



PROJECT NUMI	BER	4391	-00	СОМ		EALTH EDISON (	DAT		- BYE		RAIDWITS 1		PAGE		:	169 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY		YPE OF UIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MUDEL						SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		100000000000000000000000000000000000000	0588 CAT.	COMPUTER NUMBER
OFP428J	FP	LIMIT	SWITCH	F/L2718-2	NAM	EA17032302	AUX	021	VX	0451	A13D	6/20E-O-3375 6/20E- 6/20E-O-4976B	1FP091		A	AD3D09
OFP429A	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
OFP429A	FP	LIMIT	SWITCH	F/L2718-2	NAM	EA17032302	AUX	021	VX	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4976B	1FP 108		A	AD3DO9
OFP429B	FP	LIMIT	SWITCH	F/L2718-2	NAM	EA17031302	AUX	021	vx	0451	A13D	6/20E-O-3375 6/20E- 6/20E-O-4976C	1FP111		Α	AD3D09
OFP429B	FP	LIMIT	SWITCH	F/L2718-2	NAM	EA17032302	AUX	021	vx	0451	A 13D	6/20E-O-3375 6/20E- 6/20E-O-4976C	1FP107		Α	AD3D09
1ZS-VQO15AA	VQ	LIMIT	SWITCH	F/L2884	NAM	EA17011302	AUX	013	wx	0475	A13D	6/20E-1-3382 6/20E- 6/20E-1-4536B	1VQ140		Α	VD3DO9
1ZS-VQO15BA	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	A 13D	6/20E-2-3382 6/20E- 6/20E-2-45366	2VQ137		Α	VD3D08
2VQ003	VQ	LIMIT	SWITCH	F/L2884	NAM	EA17012302	AUX	023	VX	0467	A13D	6/20E-2-3382 6/20E- 6/20E-2-45368	2VQ140		Α	AD3DO9
2VQ004B	VQ	LIMIT	SWITCH	F/L2884	NAM	EA17011302	AUX	024	ux	0451	A 13D	6/20E-2-3372 C 6/20E- 6/20E-	2VQ159		Α	AD3D09
2VQ004B	VQ	LIMIT	SWITCH	F/L2884	NAM	EA17012302	AUX	024	UX	0451	A13D	6/20E-2-3372 C 6/20E- 6/20E-	2VQ159		A	AD3D09



PROJECT NUM REVISION	BER	4391	-00	COM		EALTH EDISON ENTIFICATION	DAT		- BYE	10000		OOD STATION & 2)	PAGE DATE	:	170 DF 477 O1 SEP 84
EQUIPMENT NUMBER	SY		YPE OF UIPMENT		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV		SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
2VQ005B	VQ	LIMIT	SWITCH	F/L2884		EA17011302		023				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	A 13D	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	A 13D	6/20E-2-3382 6/20E- 6/20E-2-4536D	2VQ253	Α	AD3D09
2VQ005C	VQ	LIMIT	SWITCH	F/L2884	NAM	EA17032302	AUX	023	UX	0467	A 13D	6/20E-2-3382 6/20E- 6/20E-2-4536D	2VQ253	A	AD3D09



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 171 OF 477

DATE : O1 SEP 84

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

PARAMETER :PLT DES:		: QUALIFICATION : METHOD		: REMARKS	: COMP : NUMBER
TEMP DEG F : 122 :	194		:NAMCO CONTROL'S REP. QTR107 :REV. O DATED 03/11/81 &	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BB055 FOR COMPLETE DOCUMENTATION	: AD3D09
PRESS PSIG :-0.5 TO: :C IN.WG:	0		:REP. LP10767-2 REV. 4 DATED :11/02/79.	:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %: 70	100	TYPE TEST			
RADIATION : 1EO6 :	2.04E08	TYPE TEST			
CHEM SPRAY : N/A :	N/A	N/A			
DPE TME MN : CONT. :	CONT.	TYPE TEST			
QUAL. LIFE :40 YRS.:	6.75 YRS.	TYPE TEST			
SUBMERGENCE: N/A :	N/A	N/A			



PROJECT NUM REVISION	BER	: 4391	-00	сом		EALTH EDISON ENTIFICATION					RAIDW ITS 1		PAGE DATE	:	172 OF 477 O1 SEP 84
EQUIPMENT NUMBER 1ZS-VQ012AA	SY .== VQ	EQU	YPE UF UIPMENT SWITCH	PURCHASE SPEC.NO.	MFG .===	TYPE/MODEL EA18031302	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO. 	The state of the s	0588 CAT.	COMPUTER NUMBER .====================================
												6/20E- 6/20E-1-4687G			
1ZS-VQO12BA	VQ	LIMIT	SWITCH	F/L2884	NAM	EA18032302	AUX	012	SX	0451	A 13D	6/20E-1-3372 6/20E- 6/20E-1-4687G	1VQ275	A	AD3D07
1ZS-VQO14AA	VQ	LIMIT	SWITCH	F/L2884	NAM	EA18031302	AUX	012	UX	0451	A 13D	6/20E-1-3372 6/20E- 6/20E-1-4687G	1VQ294	A	AD3D07
1ZS-VQO14BA	VQ	LIMIT	SWITCH	F/L2884	NAM	EA18032302	AUX	012	UX	0451	A 13D	6/20E-1-3372 6/20E- 6/20E-1-4687G	1VQ293	Α	AD3D07
1ZS-VQO17AA	VQ	LIMIT	SWITCH	F/L2884	NAM	EA18011302	AUX	012	UX	0451	A 13D	6/20E-1-3373 6/20E- 6/20E-1-4536A	1VQ162	A	AD3D07
1ZS-VQO17BA	VQ	LIMIT	SWITCH	F/L2884	NAM	EA18012302	AUX	012	UX	0451	A 13D	6/20E-1-3373 6/20E- 6/20E-1-4536A	1VQ163	A	AD3D07
1ZS-VQO19AA	VQ	LIMIT	SWITCH	F/L2884	NAM	EA18011302	AUX	013	VX	0472	A13D	6/20E-1-3382 6/20E- 6/20E-1-4536	1VQ187	Α	AD3D07
1ZS-VQ019BA	VQ	LIMIT	SWITCH	F/L2884	NAM	EA18012302	AUX	013	VX	0472	A 13D	6/20E-1-3382 6/20E- 6/20E-1-4536	1VQ188	Α	AD3D07
1ZS-VQO25AA	VQ	LIMIT	SWITCH	F/L2894	NAM	EA18031302	AUX	013	VX	0467	A 13D	6/20E-1-3382 6/20E- 6/20E-1-4536D	1VQ254	Α	AD3DO7
1ZS-VQO25BA	VQ	LIMIT	SWITCH	F/L2884	NAM	EA18032302	AUX	013	vx	0467	A 13D	6/20E-1-3382 6/20E- 6/20E-1-4536D	1VQ255	Α	AD3D07



PROJECT NUMBER: 4391-00 REVISION : 0 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 173 OF 477 DATE : 01 SEP 84

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

R (2)(1)(1)(1)(1)(1)(1)(1)(2)(2)(2)(2)(2)(2)		ONMENT DES:QUALIF	ICATION	: QUALIF			CATION REFERENCE	: : REMARKS	: COMP : NUMBER
TEMP DEG F	10	4 : 34	10	TYPE	TEST	NAMCO CONTROL'		:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BB015 FOR COMPLETE DOCUMENTATION	: AD3D07
PRESS PSIG	0	: 80	)	: TYPE		DATED 08/28/80		:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	70	10	00	TYPE	TEST				
ADIATION	1E0	6 : 2.0	4E08	TYPE	TEST				
HEM SPRAY	N//	The second second	M/SQ.FT		TEST				
PE TME MN	1 Y		YR.		TEST				
UAL. LIFE	40 YI	RS : 40	YRS.*	TYPE	TEST			:*40 YRS. QUAL. BASED ON PERFORMING LUBRICATIO	IN:
SUBMERGENCE	N/	A N	I/A	. N/	'A			:PARTS. REPLAC. INTERVAL FOR ELAS. COMP. IS :DEPENDENT ON AMBIENT TEMP. SEE EQ-BB015 TAB E.	



	ROJECT NUM EVISION	MBER	: 4391 : 0	-00	сом	0.00	EALTH EDISON ENTIFICATION	SECTION SECTION			Committee of the Commit			PAGE DATE	***	:	174 OF 477 O1 SEP 84
0.00	QUIPMENT	SY		YPE OF UIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM ND.	PANEL	NO	0588 CAT.	COMPUTER NUMBER
ozs	VAO11AA	VA	LIMIT	SW <sup>7</sup> CH	F/L2903		EA170XX302 DATE CD 8/79	AUX		*			6/20E-0-3386 6/20E- 6/20E-0-4468E	1VA354		Α	AD3D2O
ozs	-VAO11AB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		015	VX	0475	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4468E	1VA355		Δ	AD3D2O
ozs	-VAO11BA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	UX	0476	A 13D	6/20E-0-3386 6/20E- 6/20E-2-4471N	2VA413		Α	AD3D2O
ozs	-VAO11BB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		017	vx	0475	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4468E	1VA353		A	AD3D2O
ozs	-VA012AA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		017	./X	0475	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4468E	1VA375		A	AD3D2O
ozs	-VAO12AB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	4-248000	017	vx	0475	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4468E	1VA374		Α	AD3D2O
ozs	-VAO12BA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		017	vx	0475	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4468E	1VA373		٨	AD3D2O
ozs	-VAO12BB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	4000000	017	VX	0475	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4468E	1VA372		A	AD3D2O
ozs	-VAO13AA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		017	vx	0476	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4468C	2VA592		Α	AD3D2O
ozs	-VAO13AB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		017	vx	0476	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4468C	2VA591		Δ	AD3D2O
ozs	-VA013BA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		017	VX	0476	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4468C	2VA590		Α	AD3D20



PROJECT NUMBER: 4391-00 REVISION : 0		COMPANY - BYRON/BRAIDWOOD STATION DATA SHEET (UNITS 1 & 2)	PAGE : 175 OF 477 DATE : 01 SEP 84
EQUIPMENT TYPE OF NUMBER SY EQUIPMENT	SPEC.NO. MFG TYPE/MODEL	LOCATION ENVR SCHEMATIC DIAGRAM/	PANEL NO CAT. NUMBER
OZS -VAC13BB VA LIMIT SWITCH			2VA589 A AD3D2O
OZS -VAO14AA VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79		2VA318 A AD3D2O
OZS -VAO14AB VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79		2VA317 A AD3D20
OZS -VAO14BA VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79		2VA316 A AD3D20
OZS -VAO14BB VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79		2VA315 A AD3D20
OZS -VAO15AA VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79		1VA369 A AD3D2O
OZS -VAO15AB VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79		1VA368 A AD3D20
OZS -VAO15BA VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79		1VA367 A AD3D20
OZS -VAO15BB VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79		1VA366 A AD3D20
OZS -VAO16AA VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79		2VA588 A AD3D20
OZS -VAO16AB VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79		2VA587 A AD3D2O



PROJECT NUMBER: 4 REVISION :	1391-00	COMM		EALTH EDISON (				1000	RAIDWITS 1		PAGE DATE	:	176 OF 477 O1 SEP 84
EQUIPMENT NUMBER SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.		TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
DZS -VAO16BA VA LI	MIT SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79						6/20E-0-3386 6/20E- 6/20E-2-4471N	2VA413	A	AD3020
DZS -VAO16BB VA LI	MIT SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	021	VX	0476	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4468C	2VA412	Α	AD3D2O
DZS -VAO35 A VA LI	MIT SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	017	QX	0475	A 13D	6/20E-0-3387 6/20E- 6/20F-0-4469L	1VA491	Α	AD3D20
DZS -VAO35 B VA LI	MIT SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	017	QX	0475	A13D	6/20E-O-3387 6/20E- 6/20E-O-4469L	1VA490	Δ	AD3D20
DZS -VAO36 A VA LI	MIT SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	017	QX	0475	A 13D	6/20E-O-3387 6/20E- 6/20E-O-4469P	1VA574	Α	AD3D2O
DZS -VAO36 B VA LI	MIT SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	017	QX	0475	A 13D	6/20E-0-3387 6/20E- 6/20E-0-4469P	1VA573	Α	AD3D2O
DZS -VAO37 A VA LI	MIT SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	019	QX	0476	A 13D	6/20E-0-3387 6/20E- 6/20E-0-4469L	2VA396	Α	AD3D2O
DZS -VAO37 B VA LI	MIT SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	019	QX	C176	A 13D	6/20E-0-3387 6/20E- 6/20E-0-4469L	2VA395	A	AD3D2O
DZS -VAO38 A VA LI	MIT SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	019	QX	0476	A13D	6/20E-0-3387 6/20E- 6/20E-0-4478L	2VA643	Α	AD3D20
DZS -VAO38 B VA LI	MIT SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	019	οx	0476	A 13D	6/20E-0-3387 6/20E- 6/20E-0-4469L	2VA642	A	AD3D2O
DZS -VAOGOAA VA LI	MIT SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	019	vx	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4468D	1VA344	Α	AD3D20



100	ROJECT NUM		: 4391	-00			EALTH EDISON ENTIFICATION						OOD STATION 8 2)	PAGE DATE		177 OF 477 O1 SEP 84
	QUIPMENT NUMBER	SY	EQ	YPE OF UIPMENT	SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	NUMBER
	-VA060AB	-			F/L2903			AUX					6/20E-0-3376 6/20E- 6/20E-0-4468D	1VA345	A	AD3D2O
ozs	-VAOGOBA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	VX	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4468D	1VA343	A	AD3D2O
ozs	-VA06088	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	vx	0459	A 13D	6/20E-O-3376 6/20E- 6/20E-O-4468D	1VA342	A	AD3D2O
ozs	-VAOGOCA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	vx	0459	A 13D	6/20E-O-3376 6/20E- 6/20E-O-44€8D	1VA341	A	AD3D2O
ozs	-VAOGOCB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	VX	0459	A 13D	6/20E-O-3376 6/20E- 6/20E-O-4468D	1VA340	A	AD3D2O
ozs	-VA224 A	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	SX	0475	A 13D	6/20E-0-3387 6/20E- 6/20E-		Α	AD3D2O
ozs	-VA224 B	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	SX	0475	A 13D	6/20E-O-3387 6/20E- 6/20E-		Α	AD3D20
ozs	-VA234 A	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		021	SX	0475	A 13D	6/20E-O-3387 6/20E- 6/20E-		Α	AD3D2O
ozs	-VA234 B	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		021	sx	0475	A 13D	6/20E-0-3387 6/20E- 6/20E-		Α	AD3D2O
ozs	-VA332 A	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	vx	0475	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4468E	1VA371	Δ	AD3D2O
ozs	-VA332 B	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	VX	0475	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4468E	1VA370	Α	AD3D2O



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EQUIPMENT NUMBER	SY		YPE OF UIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
DZS -VA332AA	VA	LIMIT	SWITCH	F/L2903		EA170XX302 DATE CD 8/79	AUX					6/20E-0-3375 6/20E- 6/20E-0-4468D	1VA410	A	AD3D2O
OZS -VA332AB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	and the same	018	vx	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4468D	1VA411	A	AD3D2O
DZS -VA332BA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	VX	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4468D	1VA408	A	AD3D2O
OZS -VA332BB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	2000	019	VX	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4468D	1VA407	Α	AD3D2O
OZS -VA332CA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	vx	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4468D	1VA406	A	AD3D2O
OZS -VA332CB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	VX	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4468D	1VA405	A	AD3D20
ZS -VA337 A	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	vx	0475	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4468E	1VA352	A	AD3D2O
ZS -VA337 B	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	-	019	vx	0475	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4468E	1VA351	Ā	AD3D2O
ZS -VA34144	v	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		018	UX	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4469R	1VA455	A	AD3D2O
OZS -VA341AB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		018	UX	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4469R	174454	Δ	AD3D2O
DZS -VA341BA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	707 000 000	019	UX	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4469R	1VA458	Α	AD3D2O



	ROJECT NUM EVISION	BER	: 4391	-00	COM		EALTH EDISON ENTIFICATION							PAGE DATE		179 OF 477 O1 SEP 84
	QUIPMENT NUMBER	SY		YPE OF UIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
ozs	-VA341BB	VA	LIMIT	SWITCH	F/L2903		EA170XX302 DATE CD 8/79	AUX					6/20E-0-3376 6/20E- 6/20E-0-4469R	1VA457	Α	AD3D2O
ozs	-VA341CA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	UX	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4469R	1VA461	A	AD3D2O
ozs	-VA341CB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	UX	0459	A 13D	6/20E-O-3376 6/20E- 6/20E-O-4469R	1VA460	Α	AD3D2O
ozs	-VA341DA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		018	UX	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4469R	1VA464	Α	AD3D2O
ozs	-VA341DB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	018	UX	0459	A 13D	6/20E-O-3376 6/20E- 6/20E-O-4469R	1VA463	۸	AD3D20
ozs	-VA341EA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	019	VX	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4469R	1VA467	Α	AD3D20
ozs	-VA341EB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	019	vx	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4469R	1VA466	A	AD3D2O
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	Α	AD3D2O
ozs	-VA342AB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	018	UX	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4469R	1VA515	Α	AD3D2O
ozs	-VA342BA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	019	UX	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4469R	1VA519	Α	AD3D2O
ozs	-VA342BB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	019	UX	0451	A 13D	6/20E-O-3375 6/20E- 6/20E-O-4469R	1VA518	Α	AD3D2O



	ROJECT NUN	-	: 4391	-00	COM	MONW	EALTH EDISON ENTIFICATION	DAT	ANY A S	- BY	RON/BI	RAIDW		PAGE DATE		180 OF 477 O1 SEP 84
	QUIPMENT NUMBER	SY	EQ	UIPMENT	SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	NUMBER
	-VA342CA		The second		F/L2903		EA170XX302 DATE CD 8/79	AUX						1VA522	Α	AD3D2O
ozs	-VA342CB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	UX	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4469R	1VA521	A	AD3D2O
ozs	-VA342DA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		018	vx	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4469R	1VA535	Α	AD3D2O
ozs	-VA342DB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		018	vx	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4469R	1VA534	A	AD3D2O
ozs	-VA342EA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	vx	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4469R	1VA538	A	AD3D2O
ozs	-VA342EB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	vx	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4469R	1VA537	A	AD3D2O
ozs	-VA491BA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		017	QX	0451	A 13D	6/20E- 6/20E- 6/20E-		Δ	AD3D2O
ozs	-VA491BB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		017	QX	0451	A 13D	6/20E- 6/20E- 6/20E-		Α	AD3D2O
ozs	-VA492BA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		017	QX	0451	A 13D	6/20E- 6/20E- 6/20E-		A	AD3D2O
ozs	-VA492BB	VA	LIMIT	SWITCH	F/L2903	NAM	FA170XX302 DATE CD 8/79		0.7	QX	0451	A13D	6/20E- 6/20E- 6/20E-		Α	AD3D2O
ozs	-VA493BA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	SX	0451	A 13D	6/20E- 6/20E- 6/20E-		Α	AD3D2O



PROJECT NUM REVISION	BER: 4391-00 : 0		DENTIFICATION							PAGE		:	181 OF 477 O1 SEP 84
EQUIPMENT NUMBER	TYPE OF SY EQUIPMENT		G TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL	NO	0588 CAT.	COMPUTER NUMBER
	VA LIMIT SWITCH		M EA170XX302 DATE CD 8/79	AUX					6/20E- 6/20E- 6/20E-			Α	AD3D20
DZS -VA494BA	VA LIMIT SWITCH	F/L2903 NAM	M EA170XX302 DATE CD 8/79		019	SX	0451	A 13D	6/20E- 6/20E- 6/20E-			A	AD3D2O
DZS -VA494BB	VA LIMIT SWITCH	F/L2903 NAM	M EA170XX302 DATE CD 8/79		019	SX	0451	A 13D	6/20E- 6/20E- 6/20E-			A	AD3D2O
DZS -VA501CA	VA LIMIT SWITCH	F/L2903 NAM	M EA170XX302 DATE CD 8/79		015	UX	0447	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4469R	1VA500	)	A	AD3D2O
DZS -VA501CB	VA LIMIT SWITCH	F/L2903 NAM	DATE CD 8/79		015	UX	0447	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4469R	1VA499		Α	AD3D2O
DZS -VA501DA	VA LIMIT SWITCH	F/L2903 NAM	M EA170XX302 DATE CD 8/79		017	UX	0447	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4469R	1VA503		Α	AD3D2O
DZS -VA501DB	VA LIMIT SWITCH	F/L2903 NAM	M EA170XX302 DATE CD 8/79		017	ux	0447	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4469R	1VA502		Α	AD3D2O
OZS -VA502CA	VA LIMIT SWITCH	F/L2903 NAM	DATE CD 8/79		019	vx	0475	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4469Q	1VA568		Δ	AD3D2O
OZS -VA502CB	VA LIMIT SWITCH	F/L2903 NAM	M EA170XX302 DATE CD 8/79		019	vx	0475	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4469Q	1VA567		Δ	AD3D20
OZS -VA5O2DA	VA LIMIT SWITCH	F/L2903 NAM	M EA170XX302 DATE CD 8/79		017	ux	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4469Q	1VA571		A	AD3D2O
OZS -VA5O2DB	VA LIMIT SWITCH	F/L2903 NAM	M EA170XX302 DATE CD 8/79		017	ux	0475	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4469Q	1VA570		Α	AD3D2O



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EQUIPMENT NUMBER	SY		YPE OF UIPMENT		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
OZS -VA5030	A VA	LIMIT	SWITCH	F/L2903		EA170XX302 DATE CD 8/79	AUX					6/20E-0-3386 6/20E- 6/20E-0-4469L	2VA648	Α	AD3D2O
DZS -VA5030	B VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	ux	0475	A13D	6/20E-O-3386 6/20E- 6/20E-O-4469L	2VA649	Α	AD3D2O
DZS -VA503D	A VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	UX	0475	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4469L	2VA654	۸	AD3D2O
DZS -VA503D	B VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	UX	0475	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4469L	2VA€53	Α	AD3D2O
DZS -VA5040	A VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	UX	0476	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4469M	2VA401	Α	AD3D2O
ZS -VA5040	B VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	UX	0476	A13D	6/20E-0-3386 6/20E- 6/20E-0-4469M	2VA400	A	AD3D2O
ZS -VA5040	A VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	021	UX	0426	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4469M	2VA405	A	AD3D2O
)ZS -VA5040	B VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		021	ux	0426	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4469M	2VA406	Α	AD3D2O
OZS -VA511A	A VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	015	ux	0467	A 13D	6/20E-O-3385 6/20E- 6/20E-O-4468AQ	1VA303	A	AD3D2O
)ZS -VA511A	B VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	015	UX	0467	A 13D	6/20E-0-3385 6/20E- 6/20E-0-4468AQ	1VA302	Δ	AD3D2O
DZS -VA5118	A VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	017	ux	0467	A 13D	6/20E-0-3385 6/20E- 6/20E-0-4468AQ	1VA301	Α	AD3D20



PROJECT NUMBER: 4391-00 REVISION : 0		EALTH EDISON (					PAGE DATE		183 OF 477 O1 SEP 84
EQUIPMENT TYPE OF NUMBER SY EQUIPMENT	PURCHASE SPEC.NO. MFG	TYPE/MODEL	BDG COL	ROW E	LEV ZONE	S SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
OZS -VA511BB VA LIMIT SWITC:1		EA170XX302 DATE CD 8/79				6/20E-0-3385 6/20E- 6/20E-0-4468AQ	1VA300	A	AD3D2O
OZS -VA511CA VA LIMIT SWITCH	F/L2903 NAM	EA170XX302 DATE CD 8/79	AUX O17	ux c	0467 A130	0 6/20E-0-3385 6/20E- 6/20E-0-4468AQ	1VA305	Α	AD3D2O
OZS -VA511CB VA LIMIT SWITCH	F/L2903 NAM	EA170XX302 DATE CD 8/79	AUX O17	ux c	0467 A130	6/20E-0-3385 6/20E- 6/20E-0-4468AQ	1VA304	Α	AD3D2O
OZS -VA512AA VA LIMIT SWITCH	F/L2903 NAM	EA170XX302 DATE CD 8/79	AUX 015	s sx c	0475 A130	6/20E-0-3376 C 6/20E- 6/20E-0-4468AV	1VA332	A	AD3D2O
OZS -VA512AB VA LIMIT SWITCH	F/L2903 NAM	EA170XX302 DATE CD 8/79	AUX O15	s sx c	0475 A130	6/20E-0-3376 C 6/20E- 6/20E-0-4468AV	1VA331	Α	AD3D2O
OZS -VA512BA VA LIMIT SWITCH	F/L2903 NAM	EA170XX302 DATE CD 8/79	AUX 017	sx c	0475 A130	0 6/20E-0-3376 C 5/20E- 6/20E-0-4468AV	1VA349	A	AD3D2O
OZS -VA512BB VA LIMIT SWITCH	F/L2903 NAM	EA170XX3C2 DATE CD 8/79	AUX 017	sx c	0475 A130	6/20E-0-3376 C 6/20E- 6/20E-0-4468AV	1VA348	A	AD3D2O
OZS -VA512CA VA LIMIT SWITCH	F/L2903 NAM	EA170XX302 DATE CD 8/79	AUX 017	sx c	0475 A130	6/20E-0-3376 C 6/20E- 6/20E-0-4468AV	1VA329	A	AD3D2O
OZS -VA512CB VA LIMIT SWITCH	F/L2903 NAM	EA170XX302 DATE CD 8/79	AUX 017	sx c	)475 A130	6/20E-0-3376 C 6/20E- 6/20E-0-4468AV	1VA328	A	AD3D2O
OZS -VA513AA VA LIMIT SWITCH	F/L2903 NAM	EA170XX302 DATE CD 8/79	AUX 015	sx c	0451 A130	6/20E-0-3375 6/20E- 6/20E-0-4468AR	1VA291	A	AD3D2O
OZS -VA513AB VA LIMIT SWITCH	F/L2903 NAM	EA170XX302 DATE CD 8/79	AUX 015	SX .	0451 A13D	5/20E-0-3375 6/20E- 6/20E-0-4468AR	1VA290	A	AD3D2O



PROJECT NUM REVISION	BER: 4391-00 : 0		VEALTH EDISON						PAGE DATE	:	184 OF 477 O1 SEP 84
EQUIPMENT NUMBER	TYPE OF SY EQUIPMENT		TYPE/MODEL	BDG CO	L ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
	VA LIMIT SWITCH		M EA170XX302 DATE CD 8/79	AUX O1				6/20E-O-3375 6/20E- 6/20E-O-4468AR	1VA288	Α	AD3D2O
OZS -VA513BB	VA LIMIT SWITCH	F,'L2903 NAM	M EA170XX302 DATE CD 8/79		5 SX	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4468AR	1VA289	A	AD3D2O
OZS -VA513CA	VA LIMIT SWITCH	F/L2903 NAM	M EA170XX302 DATE CD 8/79	THE PARTY OF THE PARTY OF	7 SX	0451	A 13D	6/20E-O-3375 6/20E- 6/20E-O-4468AR	1VA292	Α	AD3D2O
OZS -VA513CB	VA LIMIT SWITCH	F/'.2903 NAM	M EA170XX302 DATE CD 8/79		7 SX	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4468AR	1VA293	Α	AD3D2O
OZS -VA514AA	VA LIMIT SWITCH	F/L2903 NAM	M EA170XX302 DATE CD 8/79		7 UX	0467	A 13D	6/20E-O-3385 6/20E- 6/20E-O-4468AR	1VA450	Α	AD3D2O
OZS -VA514AB	VA LIMIT SWITCH	F/L2903 NAM	M EA170XX302 DATE CD 8/79	The second second	7 UX	0467	A 13D	6/20E-O-3385 6/20E- 6/20E-O-4468AR	1VA449	Α	AD3D20
OZS -VA514BA	VA LIMIT SWITCH	F/L2903 NAM	M EA170XX302 DATE CD 8/79		7 UX	0467	A 13D	6/20E-O-3385 6/20E- 6/20E-O-4468AR	1VA446	Α	AD3D2O
OZS -VA514BB	VA LIMIT SWITCH	F/L2903 NAM	M EA170XX302 DATE CD 8/79	The second secon	7 UX	0467	A 13D	6/20E-0-3385 6/20E- 6/20E-0-4468AR	1VA445	Α	AD3D2O
OZS -VA514CA	VA LIMIT SWITCH	F/L2903 NAM	M EA170XX302 DATE CD 8/79	AUX O1	8 UX	0467	A 13D	6/20E-0-3385 6/20E- 6/20E-0-4468AR	1VA448	A	AD3D2O
OZS -VA514CB	VA LIMIT SWITCH	F/L2903 NAM	DATE CD 8/79	AUX O1	8 UX	0467	A 13D	6/20E-0-3385 6/20E- 6/20E-0-4468AR	1VA447	Α	AD3D20
OZS -VA515AA	VA LIMIT SWITCH	F/L2903 NAM	EA170XX302 DATE CD 8/79	AUX O1	7 UX	0459	A 13D	6/20E-O-3376 C 6/20E- 6/20E-O-4468AS	1VA429	Δ	AD3D2O



PROJECT NUMBER: 4391-00 REVISION : 0			BYRON/BRAIDWOOD STATION EET (UNITS 1 & 2)	PAGE DATE	: 185 OF 477 : O1 SEP 84
EQUIPMENT TYPE OF NUMBER SY EQUIPMENT	SPEC.NO. MFG TYPE/MO	DDEL BDG COL I	TION ENVR SCHEMATIC DIAGR	NO. PANEL NO	CAT. NUMBER
OZS -VAS15AB VA LIMIT SWITCH	F/L2903 NAM EA170XX DATE CD	X302 AUX 017 I	UX 0459 A13D 6/20E-0-3376 6/20E- 6/20E-0-4468AS	C 19/A428	A AD3D2O
OZS -VA515BA VA LIMIT SWITCH	F/L2903 NAM EA170XX DATE CD		UX 0459 A13D 6/20E-0-3376 6/20E- 6/20E-0-4468AS	C 1VA427	A AD3D2O
OZS -VA515BB VA LIMIT SWITCH	F/L2903 NAM EA170XX DATE CD		UX 0459 A13D 6/20E-0-3376 6/20E- 6/20E-0-4468AS	C 1VA426	A AD3D2O
OZS -VA515CA VA LIMIT SWITCH	F/L2903 NAM EN170XX DATE CD		UX 0459 A13D 6/20E-0-3376 6/20E- 5/20C-0-4468AS	C 1VA432	A AD3D20
OZS -VA515CB VA LIMIT SWITCH	F/L2903 NAM EA170XX DATE CD		UX 0459 A13D 3/20E-0-3376 6/20E- 6/20E-0-4468AS	C IVACSI	A AD3D2O
OZS -VA516A4 VA LIMIT SWITCH	F/L2903 NAM EA170XX DATE CD		SX 0451 A13D 6/20E-0-3375 6/20E- 6/20E-0-4468AS	1VA400	A AD3D20
OZS -VA516AB VA LIMIT SWITCH	F/L2903 NAM EA170XX DATE CD		SX 0451 A13D 6/20E-0-3375 6/20E- 6/20E-0-4468AS	1VA399	A ADSD20
OZS -VA516BA VA LIMIT SWITCH	F/L2903 NAM EA170XX DATE CD		SX 0451 A13D 6/20E-0-3375 6/20E- 6/20E-0-4468AS	1VA403	A AD3D2O
OZS -VA516BB VA LIMIT SWITCH	F/L2903 NAM EA170XX DATE CD		6/20E-0-4468AS	1VA402	A AD3D20
OZS -VA516CA VA LIMIT SWITCH	F/L2903 NAM EA170XX DATE CD		SX 0451 A13D 6/20E-0-3375 6/20E- 6/20E-0-4468AS	8etAvi	A AD3D2O
OZS -VA516CB VA LIMIT SWITCH	F/L2903 NAM EA170XX DATE CD	Committee and the committee of the commi	SX 0451 A13D 6/20E-0-3375 6/20E- 6/20E-0-4468AS	1VA397	A AD3D20



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EQUIPMENT NUMBER	TYPE OF SY EQUIPMENT	PURCHASE SPEC.NO. MFG		BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
OZS -VA517AA	VA LIMIT SWITCH		EA170XX302 DATE CD 8/79	AUX					6/20E-0-3385 6/20E- 6/20E-0-4468AS	2VA 100	A	AD3D2O
OZS -VA517AB	VA LIMIT SWITCH	F/L2903 NAM	LA170XX302 DATE CD 8/79	AUX	018	UX	0459	A 13D	6/20E-0-3385 6/20E- 6/20E-0-4468AS	2VA099	Δ	AD3D2O
OZS -VA517BA	VA LIMIT SWITCH	F/L2903 NAM	EA170XX302 DATE CD 8/79	AUX	019	UX	0459	A 13D	6/20E-0-3385 6/20E- 6/20E-0-4468AS	2VA582	Α	AD3D2O
OZS -VA517BB	VA LIMIT SWITCH	F/L2903 NAM	EA170XX302 DATE CD 8/79	AUX	018	SX	0459	A 13D	6/20E-O-3385 6/20E- 6/20E-O-4468AS	2VA411	Α	AD3D2O
OZS -VA517CA	VA LIMIT SWITCH	F/L2903 NAM	EA170XX302 DATE CD 8/79	AUX	019	UX	0459	A 13D	6/20E-O-3385 6/20E- 6/20E-O-4468AS	2VA098	A	AD3D2O
OZS -VA517CB	VA LIMIT SWITCH	F/L2903 NAM	EA170XX302 DATE CD 8/79	AUX	019	UX	0459	A 13D	6/2CE-O-3385 6/2OE- 6/2OE-O-4469AS	2VA097	Α	AD3D2O
OZS -VA518AA	VA LIMIT SWITCH	F/L2903 NAM	EA170XX302 DATE CD 8/79	AUX	018	UX	0459	A 13D	6/20E-O-3376 6/20E- 6/20E-O-4468AT	2VA631	Α	AD3D2O
OZS -VA518AB	VA LIMIT SWITCH	F/L2903 NAM	EA170XX302 DATE CD 8/79	AUX	018	UX	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4468AT	2VA630	Α	AD3D2O
OZS -VA518BA	VA LIMIT SWITCH	F/L2903 NAM	EA170XX302 DATE CD 8/79	AUX	018	UX	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4468AT	2VA633	Α	AD3D2O
OZS -VA518BB	VA LIMIT SWITCH	F/L2903 NAM	EA170XX3C2 DATE CD 8/79	AUX	018	ux	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4468AT	2VA634	Α	AD3D20
OZS -V4518CA	VA LIMIT SWITCH	F/L2903 NAM	EA170XX302 DATE CD 8/79	AUX	019	UX	0459	A 13D	6/20E-O-3376 6/20E- 6/20E-O-4468AT	2VA629	Α	AD3D2O



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EQUIPMENT NUMBER	TYPE OF EQUIPMENT		G TYPE/MODEL	BDG	COL ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	The state of the s	0588 CAT.	COMPUTER NUMBER
OZS -VA518CB	VA LIMIT SWITCH		M EA170XX302 DATE CD 8/79	AUX				6/20E-0-3376 6/20E- 6/20E-0-4468AT	2VA628	A	AD3D2O
OZS -VA519AA	VA LIMIT SWITCH	F/L2903 NA	M EA170XX302 DATE CD 8/79		018 SX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AT	2VA613	A	AD3D2O
OZS -VA519AB	VA LIMIT SWITCH	F/L2903 NA	M EA170XX302 DATE CD 8/79		018 SX	0451	A 13D	6/20E-O-3375 6/20E- 6/20E-O-4468AT	2VA612	A	AD3D2O
OZS -VA519BA	VA LIMIT SWITCH	F/L2903 NA	M EA170XX302 DAT. 30 8/79		019 SX	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4468AT	2VA608	Α	AD3D2O
OZS -VA519BB	VA LIMIT SWITCH	F/L2903 NA	M EA170XX302 DATE CD 8/79		019 SX	0451	A 13D	6/20E-O-3375 6/20E- 6/20E-O-4468AT	2VA609	Α	AD3D2O
OZS -VA519CA	VA LIMIT SWITCH	F/L2903 NA	M EA170XX302 DATE CD 8/79		019 SX	0451	A 13D	6/20E-O-3375 6/20E- 6/20E-O-4468AT	2VA611	Α	AD3D2O
OZS -VA519CB	VA LIMIT SWITCH	F/L2903 NA	M EA170XX302 DATE CD 8/79		019 SX	0451	A13D	6/20E-O-3375 6/20E- 6/20E-O-4468AT	2VA610	Α	AD3D2O
OZS -VA520AA	VA LIMIT SWITCH	F/L2903 NA	M EA170XX302 DATE CD 8/79		019 VX	0467	A 13D	6/20E-O-3385 6/20E- 6/20E-O-4468AT	2VA288	Α	AD3D2O
OZS -VA52OAB	VA LIMIT SWITCH	F/L2903 NA	M EA170XX302 DATE CD 8/79		019 VX	0467	A13D	6/20E-O-3385 6/20E- 6/20E-O-4468AT	2VA287	Α	AD3D2O
OZS -VA520BA	VA LIMIT SWITCH	F/L2903 NA	DATE CD 8/79		019 VX	0467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AT	2VA284	Α	AD3D20
OZS -VA520BB	VA LIMIT SWITCH	F/L2903 NA	M EA170XX302 DATE CD 8/79		019 VX	0467	A 13D	6/20E-O-3385 6/20E- 6/20E-O-4468AT	2VA283	Α	AD3D2O



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EQUIPMENT NUMBER	SY		YPE OF UIPMENT		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
OZS -VA5200	A VA	LIMIT		F/L2903			AUX					6/20E-O-3385 6/20E- 6/20E-O-4468AT	2VA285	A	AD3D2O
OZS -VA5200	B VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		021	VX	0467	A 13D	6/20E-0-3385 6/20E- 6/20E-0-4468AT	2VA282	A	AD3D2O
OZS -VA521A	A VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	VX	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4468AU	2VA354	A	AD3D2O
OZS -VA521A	B VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	VX	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4468AU	2VA355	A	AD3D2O
OZS -VA5218	A VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	VX	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4468AU	2VA356	A	AD3D2O
OZS -VA521B	B VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX202 DATE CD 8/79		019	VX	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4468AU	2VA353	A	AD3D20
OZS -VA5210	A VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		021	VX	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4468AU	2VA352	A	AD3D2O
OZS -VA5210	B VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		021	VX	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4468AU	2VA351	Α	AD3D2O
OZS -VA522A	A VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	019	SX	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4468AU	2VA299	Α	AD3D2O
OZS -VA522A	B VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	019	SX	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4468AU	2VA298	A	AD3D2O
025 -VA522B	A VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	019	SX	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4468AU	2VA297	Α	AD3D2O



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EQUIPMENT TYPE OF NUMBER SY EQUIPMENT	PURCHASE SPEC.NO. MFG TYPE/MODEL	LOCATION ENVR SCHEMATIC DIAGRAM/ (BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. )		
OZS -VA522BB VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79	AUX 019 SX 0451 A13D 6/20E-0-3375	2VA296 A	AD3D2O
OZS -VA522CA VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79	그리고 하면 하다 그리고 아니다면 하다는 그리고 있다면 하는 그리고 하는 그리고 하는 그리고 있다면 하는데 그리고 하는데 그리고 하는데 그리고 있다.	2VA295 A	AD3D2O
OZS -VA522CB VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79		2VA294 A	AD3D2O
OZS -VA523AA VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79		1VA313 A	AD3D2O
OZS -VA523AB VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79	() [1] [2] [2] [2] [2] [2] [3] [3] [4] [4] [4] [4] [4] [4] [4] [4] [4] [4	1VA312 A	AD3D2O
OZS -VA523BA VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79		1VA295 A	AD3D2O
OZS -VA523BE VA LIMIT SW. TCH	F/L2903 NAM EA170XX302 DATE CD 8/79		1VA294 A	AD3D2O
OZS -VA523CA VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79		1VA299 A	AD3D2O
OZS -VA523CB VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79		1VA298 A	AD3D2O
OZS -VA524AA VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79		1VA325 A	AD3D2O
OZS -VA524AB VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79	네 아이들은 아이들은 아이들은 내가 보는 내가 되었다. 나는 아이들은 사람들은 사람들은 사람들은 사람들이 되었다.	1VA324 A	AD3D2O



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EQUIPMENT TYPE OF NUMBER SY EQUIPMENT	SPEC.NO. MFG TYPE/MODEL	LOCATION ENVR SCHEMATIC DIAGRAM/ C BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. F	PANEL NO CAT. NUMBER
OZS -VA524BA VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79		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 C 16/20E- 6/20E- 6/20E-0-4468AV	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 C 1 6/20E- 6/20E-0-4468AV	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 C 1 6/20E- 6/20E-0-4468AV	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 AD3D2O
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 AD3D2O
OZS -VA5258B 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 AD3D2O
OZS -VA525CA VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79	AUX 017 UX 0451 A13D 6/20E-0-3375 1 6/20E- 6/20E-0-4468AV	1VA261 A AD3D2O
OZS -VA525CB VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79	AUX 017 UX 0451 A13D 6/20E-0-3375 1 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 2 6/20E- 6/20E-0-4468AV	2VA088 A AD3D20



	ROJECT NUM EVISION	BER	4391	-00	COM		EALTH EDISON ENTIFICATION							PAGE DATE		191 OF 477 O1 SEP 84
	QUIPMENT NUMBER	SY	EQ	YPE OF UIPMENT		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
	-VA526AB				F/L2903		EA170XX302 DATE CD 8/79	AUX	~	7.			6/20E-O-3385 6/20E- 6/20E-O-4468AV	2VA087	Α	AD3D2O
ozs	-VA526BA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		017	UX	0467	A 13D	6/20E-0-3385 6/20E- 6/20E-0-4468AV	2VA086	Α	AD3D2O
ozs	-VA52688	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		017	ux	0467	A 13D	6/20E-0-3385 6/20E- 6/20E-0-4468AV	2VA085	A	AD3D2O
ozs	-VAE26CA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	40.000.0	017	ux	0467	A 13D	6/20E-0-3385 6/20E- 6/20E-0-4468AV	2VA084	Α	AD3D2O
ozs	-VA526CB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		0,17	ux	0467	A 13D	6/20E-0-3385 6/20E- 6/20E-0-4468AV	2VA083	Α	AD3D2O
ozs	-VA527AA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		017	UX	0459	A 13D	6/20E-0-3376 C 6/20E- 6/20E-0-4468AW	2VA621	A	AD3D2O
ozs	-VA527AB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	100000000000000000000000000000000000000	017	ux	0459	A13D	6/20E-O-3376 C 6/20E- 6/20E-O-4468AW	2VA620	A	AD3D2O
ozs	-VA5278A	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	1000000	017	UX	0459	A 13D	6/20E-O-3376 C 6/20E- 6/20E-O-4468AW	2VA616	۸	AD3D2O
ozs	-VA527BB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		017	ux	0459	A 13D	6/20E-O-3376 C 6/20E- 6/20E-O-4468AW	2VA615	A	AD3D2O
ozs	-VA527CA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		018	UX	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4468AW	2VA618	Δ	AD3D2O
ozs	-VA527CB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	100.00	018	ux	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4438AW	2VA617	Α	AD3D2O



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H TOTAL	UIPMENT UMBER	SY		YPE OF UIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
ozs	-VA528AA	VA	LIMIT	SWITCH	F/L2903		EA170XX302 DATE CD 8/79						6/20E-O-3375 6/20E- 6/20E-O-4468AW	2VA599	Α	AD3D2O
ozs	-VA528AB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	017	UX	0451	A 13D	6/20E-O-3375 6/20E- 6/20E-O-4468AW	2VA598	A	AD3D2O
ozs	-VA528BA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	017	UX	0451	A 13D	6/20E-O-3375 6/20E- 6/20E-O-4468AW	2VA595	A	AD3D2O
ozs	-VA528BB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	017	UX	0451	A 13D	6/20E-O-3375 6/20E- 6/20E-O-4468AW	2VA594	Α	AD3D2O
ozs	-VA528CA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	018	UX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AW	2VA601	A	AD3D2O
ozs	-VA528CB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	018	ux	0451	A 13D	6/20E-O-3375 6/20E- 6/20E-O-4468AW	2VA597	A	AD3D2O
ozs	-VA529AA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	021	UX	0467	A 13D	6/20E-0-3385 6/20E- 6/20E-0-4468AW	1VA443	A	AD3D2O
ozs	-VA529AB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	021	ux	0467	A 13D	6/20E-O-3385 6/20E- 6/20E-O-4468AW	1VA442	A	AD3D2O
ozs	-VA529BA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	021	ux	0467	A 13D	6/20E-0-3385 6/20E- 6/20E-0-4468AW	1VA434	A	AD3D2O
ozs	-VA529BB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	021	UX	0467	A 13D	6/20E-O-3385 6/20E- 6/20E-C-4468AW	1VA433	A	AD3D2O
ozs	-VA529CA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	021	ux	0467	A 13D	6/20E-0-3385 6/20E- 6/20E-0-4468AW	1VA453	Α	AD3D2O



	ROJECT NUM	BER	: 4391	-00	COM		ENTIFICATION				DOM: NO			PAGE DATE	:	193 OF 477 O1 SEP 84
1	OUIPMENT OUMBER	SY	EQ	YPE OF UIPMENT		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
	-VA529CB				F/L2903		EA170XX302 DATE CD 8/79	AUX	·				6/20E-O-3385 6/20E- 6/20E-O-4468AW	1VA452	Α	AD3D2O
ozs	-VA53OAA	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	AD3D2O
ozs	-VA530AB	VA	LIMIT	SWITCH	F/L2903	NAM	FA170XX302 DATE CD 8/79	AUX	019	ux	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AP	1VA419	A	AD3D2O
ozs	-VA530BA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	019	UX	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4468AP	1VA413	A	AD3D2O
ozs	-VA530BB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	019	UX	0459	A 13D	6/20E-O-3376 6/20E- 6/20E-O-4468AP	1VA412	Α	AD3D2O
275	-VA53OCA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	021	UX	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4468AP	1VA418	Α	AD3D2O
ozs	-VA530CB	VA	LIMIT	SWITCH	F/L2903	i∢AM	EA:70XX302 DATE CD 8/79	AUX	021	UX	0459	A 13D	6/20E-O-3376 6/20E- 6/20E-O-4468AP	1VA417	A	AD3D2O
ozs	-VA531AA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	019	UX	0451	A 13D	6/20E-O-3375 6/20E- 6/20E-O-4468AX	1VA383	Α	AD3D2O
ozs	-VA531AB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	XUA	019	ux	0451	A13D	6/20E-O-3375 6/20E- 6/20E-O-4468AX	1VA382	Α	AD3D2O
ozs	-VA531BA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	021	UX	0451	A 13D	6/20E-O-3375 6/20E- 6/20E-O-4468AX	1VA381	Δ	AD3D2O
ozs	-VA531BB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	021	UX	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4468AX	1VA380	A	AD3D2O



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EQUIPMENT NUMBER	SY	EQ	YPE OF UIPMENT	SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING D.AGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
OZS -VA531C				F/L2903			AUX					6/20E-0-3375 6/20E- 6/20E-0-4468AX		A	AD3D2O
OZS -VA531C	3 VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		021	UX	0451	A130	6/20E-O-3375 6/20E- 6/20E-O-4468AX	1VA377	Α	AD3D2O
OZS -VA532A	A VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		015	VX	0467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AM	1VA310	A	AD3D20
OZS -VA532A	3 VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		015	VX	0467	A 13D	6/20E-0-3385 6/20E- 6/20E-0-4468AM	1VA311	A	AD3D2O
OZS -VA532B	A VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		017	VX	0467	A 13D	6/20E-0-3385 6/20E- 6/20E-0-4468AM	1VA309	Α	AD3D2O
OZS -VA532BI	3 VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		017	VX	0467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AM	1VA308	A	AD3D2O
OZS -VA532C	A VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	100000000000000000000000000000000000000	017	VX	0467	A13D	6/20E-O-3385 6/20E- 6/20E-O-4468AM	1VA307	A	AD3D2O
OZS -VA532CE	S . '4	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		017	VX	0467	A130	6/20E-0-3385 6/20E- 6/20E-0-4468AM	1VA306	Α	AD3D20
OZS -VA533AA	A VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		015	VX	0459	A13D	6/20E-0-3376 C 6/20E- 6/20E-0-4468AM	1VA320	A	AD3D2O
OZS -VA533AR	3 VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		015	VX	0459	A 13D	6/20E-0-3376 C 6/20E- 6/20E-0-4468AM	1VA319	A	AD3D2O
OZS -VA533B	A VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		017	VX	0459	A 13D	6/20E-0-3376 C 6/20E- 6/20E-0-4468AM	1VA318	Α	AD3D2O



PROJECT NUMBER: 4391-00 REVISION : 0			PAGE : 195 OF 477 DATE : 01 SEP 84
NUMBER SY EQUIPMENT	SPEC.NO. MFG TYPE/MODEL	LOCATION ENVR SCHEMATIC DIAGRAM/ CO BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. P	PANEL NO CAT. NUMBER
OZS -VA533BB VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79	AUX 017 VX 0459 A13D 6/20E-0-3376 C 1	VA317 A AD3D2O
OZS -VA533CA VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79		VA316 A AD3D2O
OZS -VA533CB VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79		VA315 A AD3D20
OZS -VA534AA VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79	AUX 015 VX 0451 A13D 6/20E-0-3375 1 6/20E- 6/20E-0-4468AM	VA284 A AD3D20
OZS -VA534AB VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79	AUX 015 VX 0451 A13D 6/20E-0-3375 1 6/20E- 6/20E-0-4468AM	VA285 A AD3D20
OZS -VA534BA VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79		VA283 A AD3D20
OZS -VA534BB VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79		VA282 A AD3D20
OZS -VA534CA VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79		VA268 A AD3D20
OZS -VA534CB VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79		VA267 A AD3D20
OZS -VA535AA VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79		VA093 A AD3D20
OZS -VA535AB VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/79	- Martin ()	VA091 A AD3D20



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N	UIPMENT	SY	EQ	YPE OF UIPMENT	SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
	-VA535BA				F/L2903		EA170XX302 DATE CD 8/79	AUX						2VA096	A	AD3D20
ozs	-VA535BB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		017	VX	0467	A 13D	6/20E-O-3385 6/20E- 6/20E-O-4468AN	2VA095	Α	AD3D2O
ozs	-VA535CA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		018	vx	0467	A 13D	6/20E-0-3385 6/20E- 6/20E-0-4468AN	2VA094	A	AD3D2O
ozs	-VA535CB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		018	VX	0467	A 13D	6/20E-0-3385 6/20E- 6/20E-0-4468AN	2VA092	Α	AD3D2O
ozs	-VA536AA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		017	vx	0459	A13D	6/20E-O-3376 C 6/20E- 6/20E-O-4468AN	2VA409	Α	AD3D2O
ozs	-VA536AB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		017	VX	0459	A 13D	6/20E-O-337€ C 6/20E- 6/20E-O-4468AN	2VA619	A	AD3D2O
ozs	-VA536BA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		017	vx	0459	A 13D	6/20E-O-3376 C 6/20E- 6/20E-O-4468AN	2VA625	A	AD3D2O
ozs	-VA53688	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		017	vx	0459	A 13D	6/20E-O-3376 C 6/20E- 6/20E-O-446SAN	2VA624	Α	AD3D2O
ozs	-VA536CA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		018	vx	0459	A 13D	6/20E-O-3376 C 6/20E- 6/20E-O-4468AN	2VA623	A	AD3D2O
ozs	-VA536CB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		018	VX	0459	A 13D	6/20E-0-3376 C 6/20E- 6/20E-0-4468AN	2VA622	Α	AD3D2O
ozs	-VA537AA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 3/79		017	VX	0451	A 13D	6/20E-O-3375 6/20E- 6/20E-O-4468AN	2VA605	Α	AD3D2O



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EQUIPMENT NUMBER	SY E	TYPE OF QUIPMENT		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	20NE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
OZS -VA537AB			F/L2903		EA170XX302 DATE CD 8/79	AUX					6/20E-0-3375 6/20E- 6/20E-0-4468AN	2VA604	Α	AD3D2O
OZS -VA537BA	VA LIMI	T SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		017	VX	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4468AN	2VA607	A	AD3D2O
OZS -VA537BB	VA LIMI	T SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		017	VX	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4468AN	2VA606	A	AD3D2O
OZS -VA537CA	VA LIMI	T SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		018	VX	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4468AN	2VA603	Α	AD3D2O
OZS -VA537CB	VA LIMI	T SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		018	VX	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4468AN	2VA602	A	AD3D2O
OZS -VA538AA	VA LIMI	T SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	vx	0467	A 13D	6/20E-O-3385 6/20E- 6/20E-O-4468AP	1VA440	A	AD3D2O
OZS -VA538AB	VA LIMI	T SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	VX	0467	A 13D	6/20E-O-3385 6/20E- 6/20E-O-4468AP	1VA441	A	AD3D2O
OZS -VA538BA	VA LIMI	T SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	VX	0467	A 13D	6/20E-O-3385 6/20E- 6/20E-O-4468AP	1VA439	A	AD3D20
OZS -VA538BB	VA LIMI	T SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	VX	0467	A 13D	6/20E-0-3385 6/20E- 6/20E-0-4468AP	1VA438	Α	AD3D2O
OZS -VA538CA	VA LIMI	T SWITCH	F/L2903	NAM	EA170XX3G2 DATE CD 8/79		021	VX	0467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AP	1VA437	Α	AD3D2O
OZS -VA538CB	VA LIMI	T SWITCH	F/L2903	NAM	EA17JXX302 DATE CD 8/79		025	vx	0467	A13D	6/20E-O-3385 6/20E- 6/20E-O-4468AP	1VA436	Α	AD3D2O



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	EQUIPM	R	SY	EQ	YPE OF UIPMENT		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
					SWITCH	F/L2903		EA170XX302 DATE CD 8/79	AUX					6/20E-0-3376 6/20E- 6/20E-0-4468AP	1VA424	Α	AD3D2O
02	ZS -VAS	39AB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	VX	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4468AP	1VA425	A	AD3D2O
02	S -VAS	39BA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	VX	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4468AP	1VA423	A	AD3D2O
02	S -VAS	39BB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	VX	0459	A13D	6/20E-0-3376 6/20E- 6/20E-0-4468AP	1VA422	A	AD3D2O
02	S -VAS	39CA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	100000000000000000000000000000000000000	021	VX	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4468AP	1VA416	A	AD3D2O
02	S -VAS	39CB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		021	VX	0459	A 13D	6/20E-O-3376 6/20E- 6/20E-G-4468AP	1VA415	A	AD3D2O
02	ZS -VAS	40AA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	VX	0451	A 13D	6/20E-O-3375 6/20E- 6/20E-O-4468AP	1VA390	Α	AD3D2O
02	S -VA5	40AB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	vx	0451	A 13D	6/20E-O-3375 6/20E- 6/20E-O-4468AP	1VA391	Α	AD3D2O
02	S -VAS	40BA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	019	vx	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4468AP	1VA389	A	AD3D2O
02	S -VA5	40BB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	019	VX	0451	A 13D	6/20E-O-3375 6/20E- 6/20E-O-4468AP	1VA388	Α	AD3D2O
07	S -VAS	40CA	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	Δ	AD3D2O



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		QUIPMENT NUMBER	SY	EQ	UIPMENT		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL N	O CA	T.	COMPUTER NUMBER
		-VA540CB				F/L2903		EA170XX302 DATE CD 8/79	AUX					6/20E-O-3375 6/20E- 6/20E-O-4468AP	1VA386	A		AD3D20
C	ozs	-VA546AA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	vx	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4468AQ	1VA339	A		AD3D2O
0	ozs	-VA546AB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	VX	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4468AQ	1VA338	A		AD3D2O
0	zs	-VA546BA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	VX	0459	A 13D	6/20E-O-3376 6/20E- 6/20E-O-4468AQ	1VA337	Α		AD3D2O
0	zs	-VA54688	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	vx	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4468AQ	1VA336	A		AD3D2O
0	ZS	-VA546CA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	VX	0459	A 13D	6/20E-O-3376 6/20E- 6/20E-O-4468AQ	1VA334	A		AD3D2O
0	ZS	-VA546CB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	VX	0459	A 13D	6/20E-O-3376 6/20E- 6/20E-O-4468AQ	1VA335	Α		AD3D2O
0	ZS	-VA547AA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		018	vx	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4468AQ	1VA393	A		AD3D2O
0	ZS	-VA547AB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		018	VX	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4468AQ	1VA392	Α		AD3D2O
0	ZS	-VA547BA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	VX	0451	A 13D	6/20E-O-3375 6/20E- 6/20E-O-4468AQ	1VA385	Α		AD3D2O
0	ZS	-VA547BB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	019	vx	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4468AQ	1VA384	Δ		AD3D2O



		OJECT NUN VISION		: 4391 : 0				EALTH EDISON ENTIFICATION							PAGE DATE		200 DF 477 O1 SEP 84
	N	UIPMENT UMBER	SY	EQ	UIPMENT	SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	NUMBER
		-VA547CA				F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	019	VX	0451	A13D	6/20E-0-3375 6/20E- 6/20E-0-4468AQ	1VA394	Α	AD3D2O
07	zs	-VA547CB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	VX	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4468AQ	1VA395	A	AD3D2O
02	zs	-VA713AA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		015	VX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4469N	1VA494	A	AD3D2O
02	zs	-VA713AB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		015	VX	0475	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4469N	1VA493	Α	AD3D20
02	zs	-VA713AC	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		015	VX	0475		6/20E-O-3386 6/20E- 6/20E-O-4469N	1VA549	A	AD3D2O
02	zs	-VA713AD	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		015	VX	0475	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4469N	1VA548	Α	AD3D2O
02	zs	-VA713BA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		015	VX	0475		6/20E-O-3386 6/20E- 6/20E-O-4469N	1VA497	A	AD3D2O
02	zs	-VA713BB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		015	vx	0475	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4469N	1VA496	A	AD3D20
02	zs	-VA713BC	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		015	VX	0475		6/20E-O-3386 6/20E- 6/20E-O-4469N	1VA551	A	AD3D20
02	zs	-VA713BD	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		015	VX	0475		6/20E-0-3386 6/20E- 6/20E-0-4469N	1VA550	A	AD3020
02	zs ·	-VA714AA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		017	VX	0475	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4469N	1VA556	A	AD3D2O



PROJECT NUMBER REVISION	: 4391-00 : 0		WEALTH EDISON DENTIFICATION							PAGE DATE		201 OF 477 O1 SEP 84
EQUIPMENT NUMBER SY	THE RESERVE OF THE PROPERTY OF THE PARTY OF		G TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
OZS -VA714AB VA			M EA170XX302 DATE CD 8/79	AUX					6/20E-0-3386 €/20E- 6/20E-0-4469N	1VA555	Α	AD3D2O
OZS -VA714AC VA	LIMIT SWITCH	F/L2903 NA	M EA170XX302 DATE CD 8/79	TARREST STATE	017	VX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4469N	1VA506	Α	AD3D2O
OZS -VA714AD VA	LIMIT SWITCH	F/L2903 NA	M EA170XX302 DATE CD 8/79	1000000	017	VX	0475	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4469N	1VA505	Α	AD3D2O
OZS -VA714BA VA	LIMIT SWITCH	F/L2903 NA	M EA170XX302 DATE CD 8/79		017	vx	0475	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4469H	1VA559	Α	AD3D2O
OZS -VA7148B VA	LIMIT SWITCH	F/L2903 NA	M EA170XX302 DATE CD 8/79		017	VX	0475	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4469H	1VA558	Α	AD3D20
OZS -VA714BC VA	LIMIT SWITCH	F/L2903 NA	M EA170XX302 DATE CD 8/79	AUX	017	VX	0475	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4469H	1VA508	A	AD3D20
OZS -VA714BD VA	LIMIT SWITCH	F/L2903 NA	M EA170XX302 DATE CD 8/79	AUX	017	VX	0475	A13D	6/20E-O-3386 6/20E- 6/20E-O-4469H	1VA507	A	AD3D20
OZS -VA715AA VA	LIMIT SWITCH	F/L2903 NA	M EA170XX302 DATE CD 8/79	AUX .	017	VX	0476	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4469F	2VA408	A	AD3D20
OZS -VA715AB VA	LIMIT SWITCH	F/L2903 NA	M EA170XX302 DATE CD 8/79	AUX	017	VX	0476	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4469F	2VA407	A	AD3D2O
OZS -VA715AC VA	LIMIT SWITCH	F/L2903 NA	M EA170XX302 DATE CD 8/79	AUX	017	VX	0476	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4469F	2VA656	Α	AD3D2O
OZS -VA715AD VA	LIMIT SWITCH	F/L2903 NA	M EA170XX302 DATE CD 8/79	AUX	017	VX	0476	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4468K	2VA375	Α	AD3D2O



PROJECT REVISION		4391	-00	СОМ		EALTH EDISON ENTIFICATION							PAGE DATE		202 OF 477 O1 SEP 84
EQUIPMEN NUMBER	SY		PE OF JIPMENT	Table Samuel Achieva Sci	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
OZS -VA715		IMIT	SWITCH	F/L2903		EA170XX302 DATE CD 8/79	AUX					6/20E-0-3386 6/20E- 6/20E-0-4469F	2VA394	Α	AD3D2O
OZS -VA715	BB VA L	TIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	100,000	017	VX	0476	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4469F	2VA393	A	AD3D2O
OZS -VA715	BC VA L	TIMI	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		017	VX	0476	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4469F	2VA659	Α	AD3D2O
OZS -VA7158	BD VAL	TIMI	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		017	vx	0476	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4469F	2VA658	Α	AD3D2O
OZS -VA716	AA VA L	IMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	018	VX	0476	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4469F	2VA662	Α	AD3D2O
OZS -VA716	AB VA L	TIMI	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		018	VX	0476	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4469F	2VA661	Α	AD3D2O
OZS -VA716/	AC VA L	TIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	018	vx	0476	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4468F	2VA388	Α	AD3D20
OZS -VA716/	AD VAL	TIMI.	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	018	vx	0476	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4469F	2VA387	Α	AD3D2O
OZS -VA7168	BA VAL	TIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	018	vx	0476	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4469G	2VA663	Α	AD3D2O
OZS -VA716E	BB VA L	IMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	018	VX	0476	A 13D	6/20E-O-33R6 6/20E- 6/20E-O-4469G	2VA664	A	AD3D2O
OZS -VA716E	C VA L	IMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	018	VX	0476	A 13D	6/20E 0-3386 6/20E- 6/20E-0-4469G	2VA391	A	AD3D2O



	ROJECT NUM EVISION	MBER	: 4391	-00	COM	WONW	EALTH EDISON	DAT	ANY A S	- BYF	(UN	RAIDWI	00D STATION & 2)	PAGE		:	203 OF 477 O1 SEP 84
	QUIPMENT NUMBER	SY	EQ	YPE OF UIPMENT		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL	10.000	0588 CAT.	COMPUTER NUMBER
	-VA716BD				F/L2903		EA170XX302 DATE CD 8/79	AUX					6/20E-0-3386 6/20E- 6/20E-0-4469G	2VA390	,	A	AD3D2O
ozs	-VA717 A	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		018	VX	0475	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4469S	1VA488		Δ	AD3D2O
ozs	-VA717 B	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		018	vx	0475	AISD	6/20E-0-3386 6/20E- 6/20E-0-4469S	1VA487		Α	AD3D2O
ozs	-VA717 C	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		018	VX	0475	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4469S	1VA481		Α	AD3D2O
ozs	-VA717 D	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		018	VX	0475	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4469S	1VA480		Α	AD3D2O
ozs	-VA718 A	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	VX	0475	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4469S	1VA553		Δ	AD3D2O
ozs	-VA718 B	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	VX	0475	A13D	6/20E-O-3386 6/20E- 6/20E-O-4469S	1VA552		Α	AD3D2O
ozs	-VA718 C	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		017	VX	0475	A13D	6/20E-0-3386 6/20E- 6/20E-0-4469S	1VA510		A	AD3D2O
ozs	-VA718 D	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	VX	0475	A 13D	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		019	VX	0475	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4469J	1VA562		A	AD3D2O
ozs	-VA719AB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		019	VX	0475	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4469J	1VA561		A	AD3D2O



	ROJECT NUM EVISION	BER	: 4391	-00	COM		ENTIFICATION							PAGE DATE	:	204 OF 477 O1 SEP 84
	QUIPMENT	SY		YPE OF UIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
ozs	-VA719AC	VA	LIMIT	SWITCH	F/L2903		EA170XX302 DATE CD 8/79						6/20E-0-3386 6/20E- 6/20E-0-4469J	2VA367	Α	AD3D2O
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	AD3D2O
ozs	-VA719BA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	019	VX	0475	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4469J	1VA565	A	AD3D2O
ozs	-VA719BB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	019	vx	0476	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4469J	2VA368	Α	AD3D2O
ozs	-VA719BC	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	019	vx	0476	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4469J	2VA369	Α	AD3D2O
ozs	-VA719BD	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	019	VX	0476	A 13D	6/20E-0-3386 6/20E- 6/20E-		A	AD3D2O
ozs	-VA720AA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	021	vx	0476	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4469J	2VA371	Α	AD3D20
ozs	-VA72OAB	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	021	VX	0476	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4469J	2VA370	Α	AD3D2O
ozs	-VA72OAC	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	021	vx	0475	A 13D	6/20E-O-3386 6/20E- 6/20E-O-4469J	1VA577	A	AD3D2O
ozs	-VA72OAD	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	021	VX	0475	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4469J	1VA576	Α	AD3D20
ozs	-VA720BA	VA	LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	021	vx	0476	A 13D	6/20E-0-3386 6/20E- 6/20E-0-4469K	2VA374	A	AD3D20



PROJECT NUMBER: 4391-00 REVISION : 0	COMMONWEALTH EDISON IDENTIFICATION		PAGE : 205 OF 477 DATE : 01 SEP 84
EQUIPMENT TYPE OF NUMBER SY EQUIPMENT OZS -VA720BB VA LIMIT SWITCH	SPEC.NO. MFG TYPE/MODEL	[ [ [ [ [ [ [ [ [ [ [ [ [ [ [ [	PANEL NO CAT. NUMBER
OZS -VA720BC VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/7		1VA579 A AD3D20
OZS -VA720BD VA LIMIT SWITCH	F/L2903 NAM EA170XX302 DATE CD 8/7		1VA578 A AD3D20

PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 206 OF 477 DATE : 01 SEP 84

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

PARAMETER :			LIFICAT		QUALIF1 METH					REMARKS	: COMP : NUMBER
**********		=:===		:					DEEED TO CHUIDONNE	THE OUT TETELTION DINDER	
TEMP DEG F :	122		194	- 4	TYPE			03/11/81. &	:REFER TO ENVIRONME :NO. EQ-BB055 FOR C	COMPLETE DOCUMENTATION	: AU3U20
PRESS PSIG :	0.5 T	0:	0	4.43	TYPE	TEST	:REP. LP10767	-2 REV. 4 DATED	: PACKAGE ASSOCIATED	WITH THIS EQUIPMENT.	1
: (	IN.W	G:					:11/02/79.				
REL HUMID %:	70	:	100	1	TYPE	TEST					
RADIATION :	1E06	: 2	.04E08		TYPE	TEST					
		1									
CHEM SPRAY :	N/A		N/A		N/	Α			1		
DPE TME MN :	CONT.	4	CONT.		TYPE	TEST					
DUAL. LIFE :4	O YRS	.: 6	.75 YRS	. :	TYPE	TEST					
									1		1
SUBMERGENCE :	N/A	2	N/A		N/	Α					
		1					8				



REVISION	BER: 4391-00 : 0	COM	MONWEALTH EDISON IDENTIFICATION		SHEET		TS 1	OD STATION & 2)	PAGE DATE	:	207 OF 477 O1 SEP 84
EQUIPMENT NUMBER	TYPE SY EQUIPM .=	ENT SPEC.NO.	MFG TYPE/MODEL	BDG C		ELEV	ZONE N	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
			AR660, AR880						OVA21J		
N/A	VA AR-RELAY	F/L2783	WES AR440, AR660, AR880	AUX O	15 VX	0472	A13D		OVA22J	A	AD3E6R
N/A	VA AR-RELAY	F/L2783	WES AR440. AR660. AR880	AUX O	21 VX	0467	A13D		OVA23J	A	AD3E6R
N/A	VA AR-RELAY	F/L2783	WES AR440. AR660. AR880	AUX O	21 VX	0473	A13D		OVA24J	A	AD3E6R



PROJECT NUMBER: 4391-00

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION

PAGE : 208 OF 477

REVISION : 0

QUALIFICATION DATA SHEET (UNITS 1 & 2)

DATE : O1 SEP 84

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

PARAMETER	:PLT	DES:	NT QUALIFICATIO	G. C. N. 1981		CATION HOD		QUAL I	FICATION REFERENCE		: REMARKS	: COMP : NUMBER
TEMP DEG F			122		TYPE	TEST	:1)AETC	TEST	REPORT NO.	5281	REFER TO ENVIRONMENTAL QUALIFICATION BINDER	:AD3E6R
	:						: REV.	2 DAT	ED 10/14/83.		:NO. EQ-BBO22 FOR COMPLETE DOCUMENTATION	1
RESS PSIG	: 0	0 :	0	1	TYPE	TEST	:2)AETC	RETES	T REPORT NO.		:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
	2			2			: 1898	7-84N,	DATED			4
EL HUMID %	70	) :	90	0.1	TYPE	TEST	: DECE	MBER, 1	983.			4
	3	- 2		2 "								
ADIATION	: 11	: 00	1.3E06		TYPE	TEST	4					2
	ž.						2					- 2
HEM SPRAY	: N,	A :	N/A	2	N/	A	2					4
	3			- 2			*					
PE THE MN	: CO	IT.	CONT.	- 1	TYPE	TEST	2					F
	1	2										7
WAL. LIFE	:40	RS.:	16.8 YRS.	3.0	TYPE	TEST	3				: 16.8 YRS. LIFE IS BASED UPON REPLACING THE	
	1										COIL EVERY 6.6 YRS.	3
SUBMERGENCE	: N,	A :	N/A	3	N/	A	2					1



	ROJECT NUI	MBER		91-00	COM	10000	EALTH EDISON ENTIFICATION						00D STATION & 2)	PAGE DATE		209 OF 477 O1 SEP 84
	QUIPMENT	SY		TYPE OF EQUIPMENT	The second secon	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM, WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
-	-VAO21	VA	SEL	SWITCH	F/L2783	7.000	0T2 CS502	_						OVAO1JA	Α	AD3E6Y
OHS	-VAO22	VA	SEL	SWITCH	F/L2783	WES	0T2 CS502	AUX	015	SX	0465	A 13D	5/20E-0-3384 (	OVAO1JB	Α	AD3E6Y
OHS	-VA023	VA	SEL	SWITCH	F/L2783	WES	CT2 CS502	AUX	021	QX	0451	A13D	6/20E-0-3384 (	2VA006 OVA01JC	Α	AD3E6Y
OHS	-VA024	VA	SEL	SWITCH	F/L2783	WES	0T2 CS502	AUX	021	QX	0451	A 13D	6/20E-0-3384 (	OVAO1JD	A	AD3E6Y
OHS	-VA025	VA	SEL	SWITCH	F/L2783	WES	0T2 CS502	AUX	015	sx	0465	A 13D	Tak make the make a	OVAO1JB	Δ	AD3E6Y
CHS	-VA026	VA	SEL	SWITCH	F/L2783	WES	0T2 CS502	AUX	021	QX	0451	A13D	6/20E-O-3384 6/20E-O-4466D	2VA906 OVAQ1JC	Α	AD3E6Y
HS	-VAO27	VA	SEL	SWITCH	F/L2783	WES	0T2 CS502	AUX	015	sx	0467	A 13D	6/20E-0-3384 (	OVAO1JA	Α	AD3E6Y
HS	-VA028	VA	SEL	SWITCH	F/L2783	WES	012 CS502	AUX	015	SX	0465	A13D	6/20E-0-3384 0	OVAO1JB	A	AD3E6Y
HS	-VA102	VA	SEL	SWITCH	F/L2783	WES	012 CS501	AUX	015	sx	0467	A 13D	6/20E-0-3384 0	OVAO1JA	A	AD3E6Y
HS	-VA112	VA	SEL	SWITCH	F/L2783	WES	0T2 CS501	AUX	015	sx	0465	A 13D	6/20E-0-3384 (6/20E-0-4465E	OVAO1JB	Α	AD3E6Y
OHS	-VA122	VA	SEL	SWITCH	F/L2783	WES	0T2 CS501	AUX	021	QX	0451	A 13D	The state of the s	2VA006 OVA01JC	Α	AD3E6Y



	ROJECT NUM EVISION	BER	: 439	1 1 100	СОМ		EALTH EDISON ENTIFICATION						OOD STATION & 2)		PAGE DATE	:	210 DF 477 O1 SEP 84
	QUIPMENT NUMBER	SY		TYPE OF EQUIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM NO			0588 CAT.	COMPUTER NUMBER
OHS	-VA132	VA	SEL	SWITCH	F/L2783		0T2 CS501					* ***	the district of the second	c	2VAO12 OVAO1JD	Α	AD3E6Y
OHS	-VA202	VA	SEL	SWITCH	F/L2783	WES	OT2 CS501	AUX	015	SX	0467	A 13D	6/20E-0-3384 6/20E-0-44618	С	1FP111 OVAO1JA	A	AD3E6Y
OHS	-VA212	VA	SEL	SWITCH	F/L2783	WES	0T2 CS501	AUX	015	SX	0465	A 13D	6/20E-0-3384 6/20E-0-4465E	С	1FP108 OVAO1JB	Α	AD3E6Y
OHS	-VA222	VA	SEL	SWITCH	F/L2783	WES	0T2 CS501	AUX	021	QX	0451	A 13D	6/20E-0-3384 6/20E-0-4466D	С	2VAOO6 OVAO1JC	Α	AD3E6Y
OHS	-VA232	VA	SEL	SWITCH	F/L2783	WES	0T2 CS501	AUX	021	QX	0451	A 13D	6/20E-O-3384 6/20E-O-4462A	С	2VAO12 OVAO1JD	A	AD3E6Y
OHS	-VA501	VA	SEL	SWITCH	F/L2783	WES	0T2 CS537	AUX	015	SX	0467	A 13D	6/20E-O-3384 6/20E-O-4461B		1FP111 OVAO1JA	A	AD3E6Y
OHS	-VA502	VA	SEL	SWITCH	F/L2783	WES	0T2 CS537	AUX	015	SX	0465	A 13D	6/20E-0-3384 6/20E-0-4465E		1FP108 OVAO1JB	A	AD3E6Y
OHS	-VA503	VA	SEL	SWITCH	F/L2783	WES	012 CS537	AUX	021	QX	0451	A13D	6/20E-0-3384 6/20E-0-4466D		2VAOO6 OVAO1JC	A	AD3E6Y
OHS	-VA504	VA	SEL	SWITCH	F/L2783	WES	0T2 CS506	AUX	021	QX	0451	A 13D	6/20E-0-3384 6/20E-0-4462A		2VAO12 OVAO1JD	Α	VD3E6A
OHS	-VA511	VA	SEL	SWITCH	F/L2783	WES	0T2 CS506	AUX	015	SX	0467	A13D	6/20E-0-3385 6/20E- 6/20E-0-4468AF	С	1VA314	A	AD3E6Y
OHS	-VA512	VA	SEL	SWITCH	F/L2783	WES	0T2 CS506	AUX	015	UX	0459	A 13D	6/20E-0-3376 6/20E- 6/20E-0-4468AF	С	1VA333	A	AD3E6Y



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 211 OF 477 IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84 REVISION . 0 EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER SPEC.NC. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER EQUIPMENT N'JMBER OHS -VA513 VA SEL SWITCH F/L2783 WES DT2 AUX 015 SX 0451 A13D 6/20E-0-3375 C 1VA293 AD3E6Y 6/20E-C\$506 6/20E-0-4468AF C 1VA450 AD3E6Y F/L2783 WES DT2 AUX 018 UX 0467 A13D 6/20E-0-3385 OHS -VA514 VA SEL SWITCH 6/20E-C\$506 6/20E-0-4468AF OHS -VA515 VA SEL SWITCH F/L2783 WES OT2 AUX 018 UX 0459 A13D 6/20E-0-3376 C 1VA432 AD3E6Y 6/20E-C\$506 6/20E-0-4468AG AD3E6Y AUX 018 SX 0451 A13D 6/20E-0-3375 C 1VA403 OHS -VA516 VA SEL SWITCH F/L2783 WES OT2 CS506 6/20E-6/20E-0-4468AG OHS -VA517 VA SEL SWITCH F/L2783 WES OT2 AUX 018 SX 0469 A13D 6/20E-0-3385 C 2VA089 AD3E6Y C\$506 6/20E-6/20E-0-4468AG AUX 018 UX 0459 A13D 6/20E-0-3376 C 2VA634 AD3E6Y OHS -VA518 VA SEL SWITCH F/L2783 WES CT2 6/20E-CS506 6/20E-0-4468AG AUX 021 SX 0451 A13D 6/20E-0-3375 AD3E6Y OHS -VA519 VA SEL SWITCH F/L2783 WES DT2 C 2VA613 6/20E-CS506 6/20E-0-4468AH AUX 021 SX 0467 A13D 6/20E-0-3385 AD3E6Y WES OT2 C 2V4288 OHS -VA520 VA SEL SWITCH F/L2783 C\$506 6/20E-6/20E-0-4468AH AUX 021 UX 0459 A13D 6/20E-0-3376 C 2VA356 AD3E6Y OHS - VA521 VA SEL SWITCH F/L2783 WES OT2 C\$506 6/20E-6/20E-0-4468AH VILLERA AUX 021 SX 0451 A13D 6/20E-0-3375 F/L2783 WES DT2 C 2VA300 OHS -VA522 VA SEL SWITCH CS507 6/20E-0-4465AH WES DT2 AUX 015 VX 0467 A13D 6/20E-0-3385 C 1VA313 AD3:6Y OHS -VA523 VA SEL SWITCH F/L2783 6/20E-C\$507

6/20E-0-4468J



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 212 OF 477 REVISION : 0 IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84

1	UIPMENT NUMBER	SY		TYPE OF	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
	-VA524	VA	SEL	SWITCH	F/L2783		0T2 CS507						6/20E-O-3376 0 6/20E- 6/20E-O-4468AJ	1VA327	Α	AD3E6Y
OHS	-VA525	VA	SEL	SWITCH	F/L2783	WES	0T2 CS507	AUX	015	UX	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4468AJ	1VA287	A	AD3E6Y
OHS	-VA526	VA	SEL	SWITCH	F/L2783	WES	012 CS507	AUX	018	UX	0467	A 13D	6/20E-0-3385 6/20E- 6/20E-0-4468AJ	2VA090	Α	AD3E6Y
OHS	-VA527	VA	SEL	SWITCH	F/L2783	WES	012 CS507	AUX	018	ux	0459	A 13D	6/20E-0-3376 C 6/20E- 5/20E-0-4468AK	2VA627	Α	AD3E6Y
OHS	-VA528	VA	SEL	SWITCH	F/L2783	WES	0T2 CS507	AUX	018	UX	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4468AK	2VA601	A	AD3E6Y
OHS	-VA529	VA	SEL	SWITCH	F/L2783	WES	0T2 CS507	AUX	021	UX	0467	A 13D	6/20E-0-3385 C 6/20E- 6/20E-0-4468AK	1VA454	A	AD3E6Y
OHS	-VA530	VA	SEL	SWITCH	F/L2783	WES	012 CS507	AUX	021	UX	0459	A 13D	6/20E-0-3376 C 6/20E- 6/20E-0-44684K	1VA421	A	AD3E6Y
OHS	-VA531	VA	SEL	SWITCH	F/L2783	WES	0T2 CS507	AUX	021	ux	0451	A 13D	6/20E-0-3375 C 6/20E- 6/20E-0-4468AE	1VA409	A	AD3E6Y
OHS	-VA532	VA	SEL	SWITCH	F/L2783	WES	0T2 CS507	AUX	015	VX	0467	A 13D	6/20E-0-3385 C 6/20E- 6/20E-0-4468AC	1VA311	A	AD3E6Y
OHS	-VA533	VA	SEL	SWITCH	F/L2783	WES	012 CS507	AUX	015	vx	0459	A 13D	6/20E-0-3376 C 6/20E- 6/20E-0-4468AC	1VA321	A	AD3E6Y
OHS	-VA534	VA	SEL	SWITCH	F/L2783	WES	0T2 CS537	AUX	015	vx	0451	A 13D	6/20E-0-3375 C 6/20E- 6/20E-0-4468AC	1VA285	Α	AD3E6Y



	ROJECT NUM	BER	-	91-00	COM		EALTH EDISON ENTIFICATION							PAGE DATE		: 213 OF 47 : 01 SEP 84
٨	OUIPMENT JUMBER	SY		TYPE OF QUIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL M	NU CAT.	COMPUTER NUMBER
	-VA535	VA	SEL	SWITCH	F/L2783	WES	0T2 CS537						6/20E-O-3385 C 6/20E- 6/20E-O-4468AC	2VA096	Α	AD3E6Y
OHS	-VA536	VA	SFL	SWITCH	F/L2783	WES	0T2 CS537	AUX	018	VX	0459	A 13D	6/20E-0-3376 C 6/20E- 6/20E-0-4468AD	2VA625	A	AD3E6Y
OHS	-VA537	VA	SEL	SWITCH	F/L2783	WES	0T2 CS537	AUX	018	VX	0451	A13D	6/20E-O-3375 6/20E- 6/20E-O-4468AD	2VA6C7	Α	*D3E6Y
OHS	-VA538	VA	SEL	SWITCH	F/L2783	WES	0T2 CS537	AUX	021	VX	0467	A 13D	6/20E-O-3385 C 6/20E- 6/20E-O-4468AD	2VA441	A	AD3E6Y
OHS	~VA539	VA	SEL	SWITCH	F/L2783	WES	0T2 CS537	AUX	019	UX	0459	A13D	6/20E-O-3376 C 6/20E- 6/20E-O-4468AG	1VA426	Α	AD3E6Y
OHS	-VA540	VA	SEL	SWITCH	F/L2783	WES	0T2 CS537	AUX	021	vx	0451	A 13D	6/20E-0-3375 C 6/20E- 6/20E-0-4468AE	1VA391	Δ	AD3E6Y
OHS	-VA546	VA	SEL	SWITCH	F/L2783	WES	0T2 CS537	AUX	018	VX	0475	A 13D	6/20E-0-3376 C 6/20E- 6/20E-0-4468AE	1VA339	۸	AD3E6Y
HS	-VA547	VA	SEL	SWITCH	F/L2783	WES	0T2 CS537	AUX	018	VX	0451	A 13D	6/20E-0-3375 6/20E- 6/20E-0-4468AE	1VA396	Α	AD3E6Y



PROJECT NUMBER: 4391-00 KEVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 214 OF 477 DATE : O1 SEP 84

AD3E6Y

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : HVAC CONTROLS.

ENVR ZONE : A130

COMP/EQUIP: SELECTOR SWITCH

MANUF. : WESTINGHOUSE

MODEL SUPP: 0T2

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

	ENVID	ONME	ut	· OUAL TE	ICATION		***************************************		
		777 A. S.	DUALIFICATION		HOD		REFERENCE	REMARKS	: COMP : NUMBER
TEMP DEG F	10	)4 :	130	TYPE	TEST	: 1)AETC'S REPORT		REFER TO ENVIRONMENTAL QUALIFICATION BINDER	:AD3E6Y
PRESS PSIG	0		0	TYPE	TEST	:2)AETC'S RETEST		:NO. EQ-BBO71 FOR COMPLETE DOCUMENTATION :PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	70	) :	90	TYPE	TEST	:	12/21/05.		
RADIATION	1EC	6 :	1E07	TYPE	TEST			:: :CONSIDERED IN MILD AREA DUE TO REDUCED	
CHEM SPRAY	: N/	A :	N/A		I/A			RADIATION.	
OPE THE MN	: CON	IT . :	CONT.	: TYPE	TEST				
QUAL. LIFE	: 40 Y	RS.:	18.5 YRS.	: TYPE	TEST				
SUBMERGENCE	: N/	A :	N/A	: N	I/A				



PROJECT NUMB REVISION		0	-00			ENTIFICATION	-			and the same of			DATE		215 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY		YPE OF UIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM, NIRING DIAGRAM NO	PANEL NO	CAT.	COMPUTER NUMBER
	VA H	AND	SWITCH	F/L2783	WES								OVAO1JA	A	AD3E19
OHS -VA111	VA H	AND	SWITCH	F/L2783	WES	W2 CS503	AUX	015	sx	0465	A 13D	G/20E-0-3384 (	OVAO1JB	Α	AD3E 19
DHS -VA121	VA H	AND	SWITCH	F/L2783	WES	W2 CS503	AUX	021	QX	0451	A 13D	6/20E-0-3384	2VAOO6 CVAO1JC	Α	AD3E19
DHS -VA131	VA H	AND	SWITCH	F/L2783	WES		AUX	021	QX	0451	À 13D	6/20E-0-4466D 6/20E-0-3384	2VAO12 OVAO1JD	Α	AD3E19
DHS -VA201	VA H	ANO	SWITCH	F/L2783	WES	CS503	AUX	015	sx	0467	A 13D	6/20E-0-4462A 6/20E-0-3384	1FP111	Α	AD3E 19
						CS503						6/20E-0-4461B	OVACIJA		
OHS -VA211	VA H	AND	SWITCH	F/L2783	WES	W2 CS503	AUX	015	SX	0465	A 13D	6/20E-0-3384 6/20E-0-4465E	OVAO1JB	Α	AD3E19
OHS -VA221	VA H	AND	SWITCH	F/L2783	WES	W2 CS503	AUX	021	QX	0451	A 135	6/20E-0-3384 (	OVADIJC	Δ	AD3E 19
HS -VA231	VA H	AND	SWITCH	F/L2783	WES	w2 CS503	AUX	021	QX	0451	A 13D		2VAO12 OVAO1JD	A	AD3E19
OHS -VA301	VA H	AND	SWITCH	F/L2783	WES	W2 CS504	AUX	015	sx	0467	A 13D	6/20E-0-4462A 6/20E-0-3384	1FP111 OVAO1JA	A	AD3E 19
OHS -VA302	VA .:	AND	SWITCH	F/L2783	WES		AUX	015	SX	0465	A 13D	6/20E-0-4461B 6/20E-0-3334	1FP108	Α	AD3E19
						CS504						6/20E-0-4465E	OVACIJB		AD25 10
HS -VA311	VA H	AND !	SWITCH	F/L2783	WES	W2 CS504	AUX	021	QX	0451	ATED	6/20E-0-3384 6 6/20E-0-4466D	OVAO1dC	A	AD3E19



REVISION	-	: 439		COM		ENTIFICATION	DAT		- BYE		TS 1	DOD STATION & 2)	PAGE DATE		216 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY		TYPE OF QUIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL		-		ELEV		SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	The second secon	0588 CAT.	COMPUTER NUMBER
OHS -VA312	VA	HAND	SWITCH	F/L2783	WES	W2 CS504	*UX	021					2VAO12 OVAO1JD	A	AD3E19
OHS -VA321	VA	HAND	SWITCH	F/L2783	WES	W2 CS504	AUX	015	SX	0465	A 13D	6/20E-0-3384 C	1FP108 OVAO1JB	A	AD3E19
OHS -VA322	VA	HAND	SWITCH	F/L2783	WES	W2 CS504	AUX	021	QX	C451	A13D	6/20E-O-3384 C 6/2CE-O-4466D	2VAOO6 OVAO1JC	A	AD3E19
OHS -VA331	VA	HAND	SWITCH	F/L2783	WES	W2 CS504	AUX	015	SX	0467	A 13D	6/20E-0-3384 C	1FP111 OVAO1JA	A	AD3E 19
OHS -VA332	VA	HAND	SWITCH	F/L2783	WES	W2 CS504	AUX	015	SX	0465	A 13D	6/20E-0-0584 C	1FP108 OVAO1JB	Α	AD3E19



PROJECT NUMBER: 4391-00 REVISION : 0 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 217 OF 477 DATE : 01 SEP 84

AD3E 19

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : SUPPLY FAN CONTROL

ENVR ZONE : A 13D

COMP/EQUIP: HAND SWITCH

MANUF. : WESTINGHOUSE

MODEL SUPP: W 2

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

PARAMETER :PLT DES:QU	METHOD :	QUALIFICATION DOCUMENT REFERENCE	: REMARKS	: COMP : NUMBER
TEMP DEG F : 122 :			:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BBO7O FOR COMPLETE DOCUMENTATION	: AD3E 19
PRESS PSIG :50 TO: :O IN.WG:			:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %: 90 :			나는 이 전쟁에 가장 되었다. 이 등에 누워졌다.	
PADIATION : 1EO4 :				
CHEM SPRAY : N/A :			:THE RADIATION LEVEL AT THIS LOCATION HAS BEEN :ANALYTICALLY DETERMINED TO BE 1E04. EQUIPMENT	
OPE THE MN : CONT. :			:IS NOT SUBJECTED TO A HARSH ENVIRONMENT AND :THEREFORE NOT IN THE SCOPE.	
QUAL. LIFE :40 YRS.:				
SUBMERGENCE: N/A :				



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRCN/BRAIDWOOD STATION PAGE : 218 OF 477 REVISION IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84 EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 NUMBER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER N/A VA INC.CATOR LIGHT F/L2783 WES EZC AUX 015 VX 0467 A13D AD3E03 OVA21J N/A VA INDICATOR LIGHT F/L2783 WES EZC AUX 015 VX 0472 A13D C AD3E03 OVA22J N/A VA INDICATOR LIGHT F/L2783 WES EZC AUX 021 VX 0467 A13D AD3EO3 OVA23J N/A VA INDICATOR LIGHT F/L2783 WES EZC AUX 021 VX 0473 A13D AD3E03 OVA24J N/A VA INDICATOR LIGHT F/L2783 WES EZC AUX 015 SX 0467 A13D AD3E03 OHS -VAS11 N/A VA INDICATOR LIGHT F/L2783 WES EZC AUX 015 UX 0459 A13D AD3E03 OHS -VA512 N/A VA INDICATOR LIGHT F/L2783 WES EZC AUX 015 SX 0451 A13D AD3E03 OHS -VA513 N/A VA INDICATOR LIGHT F/L2783 WES EZC AUX 018 UX 0467 A13D AD3E03 OHS -VA514 N/A VA INDICATOR LIGHT F/L2783 WES EZC AUX 018 UX 0459 A13D AD3E03 OHS -VAS15 N/A VA INDICATOR LIGHT F/L2783 WES EZC AUX 018 SX 0451 A13D AD3E03 OHS -VA516 N/A VA INDICATOR LIGHT F/L2783 WES EZC AUX 018 SX 0469 A13D



AD3E03

OHS -VA517

#### SARGENT & LUNDY ENGINEERS

PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 219 OF 477 REVISION IDENTIFICATION DATA SHEET (UNITS 1 & 2) : 0 DATE : 01 SEP 84 FOUTPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER NUMBER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO. CAT. NUMBER N/A VA INDICATOR LIGHT F/L2783 WES EZC AUX 018 UX 0459 A13D AD3FO3 0HS -VA518 N/A VA INDICATOR LIGHT F/L2783 WES EZC AUX 02 | SX 0451 A13D AD3E03 OHS -VA519 N/A VA INDICATOR LIGHT F/L2783 WES EZC AUX 021 SX 0467 A13D AD3FO3 OHS -VAS20 N/A VA INDICATOR LIGHT F/L2783 WES EZC AUX 021 UX 0/59 A13D AD3E03 OHS -VA521 N/A VA INDICATOR LIGHT F/L2783 WES EZC AUX 021 SX 0451 A13D AD3E03 OHS -VA522 N/A VA INDICATOR LIGHT F/L2783 WES EZC AUX 015 VX 0467 A13D AD3E03 OHS -VA523 N/A VA INDICATOR LIGHT F/L2783 WES EZC AUX 015 UX 0459 A13D AD3E03 OHS -VA524 N/A VA INDICATOR LIGHT F/L2783 WES EZC AUX 015 UX 0451 A13D AD3FO3 OHS -VA525 N/A VA INDICATOR LIGHT F/L2783 WES EZC AUX C18 UX 0467 A13D AD3E03 OHS -VA526 N/A VA INDICATOR LIGHT F/L2783 WES EZC AUX 018 UX 0459 A13D AD3E03 OHS -VA527 N/A VA INDICATOR LIGHT F/L2783 WES EZC AUX 018 UX 0451 A13D AD3E03 OHS -VA528



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION REVISION : 0 IDENTIFICATION DATA SHEET (UNITS 1 & 2)

PAGE

: 220 OF 477 : 01 SEP 84

KENIZION															
EQUIPMENT NUMBER	SY	EQUIPM	ENT	SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE	NO CAT.	COMPUTER NUMBER
The state of the s				The state of the s		EZC								A -VA529	AD3E03
N/A	VA	INDICATOR	LIGHT	F/L2783	WES	EZC	AUX	021	ux	0459	A 13D	c		A -VA530	AD3E03
N/A	VA	INDICATOR	LIGHT	F/L2783	WES	EZC	AUX	021	UX	0451	A 13D			A -VA531	AD3EO3
N/A	VA	INDICATOR	LIGHT	F/L2783	WES	EZC	AUX	015	vx	0467	A 13D	С		A -VA532	AD3EO3
N/A	VA	INDICATOR	LIGHT	F/L2783	WES	EZC	AUX	015	vx	0459	A 13D		OHS	A -VA533	AD3E03
N/A	VA	INDICATOR	LIGHT	F/L2783	WES	EZC	AUX	015	vx	0451	A 130			A-VA534	AD3E03
N/A	VA	INDICATOR	LIGHT	F/L2783	WES	EZC	AUX	018	vx	0467	A 13D			-VA535	AD3E03
N/A	VA	INDICATOR	LIGHT	F/L2783	WES	EZC	XĽA	018	vx	0459	A 13D	c		A -V4536	VD3E03
N/A	VA	INDICATOR	LIGHT	F/L2783	WES	EZC	AUX	018	vx	0451	A 13D	-		A -VA537	AD3EO3
N/A	VA	INDICATOR	LIGHT	F/L2783	WES	EZC	AUX	021	vx	0467	A 13D			A -VA538	AD3EO3
N/A	VA	INDICATOR	LIGHT	F/L2783	WES	EZC	AUX	019	ux	0459	A 13D	c		A -VA539	AD3E03



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 221 DF 477
REVISION : O IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84

EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	. P	ANEL NO	CAT.	COMPUTER NUMBER
1/A	VA	INDICATOR LIGHT		1010	Name of the Party					A13D		3	HS -VA54	Α	AD3E03
1/A	VA	INDICATOR LIGHT	F/L2783	WES	EZC	AUX	018	vx	0475	A13D		0	HS -VA54	A 6	AD3E03
I/A	VA	INDICATOR LIGHT	F/L2783	WES	EZC	AUX	018	vx	0451	A 13D	C		HS -VA54	A 7	AD3EO3
DZIVA341 A	VA	POSITION LIGHT	F/L2783	WES	EZC IL508	AUX	015	sx	0467	A13D	6/20E-0-3384 6/20E-0-44618		FP111 VAO1JA	В	AD3E03
DZL -VA341 B	VA	POSITION LIGHT	F/L2783	WES	EZC IL508	AUX	015	SX	0467	A 13D	6/20E-0-3384 C		P111 AO1JA	В	AD3E03
DZL -VA342 A	VA	POSITION LIGHT	F/L2783	WES	EZC IL508	AUX	015	SX	0465	A 13D	6/20E-0-3384 C		P 108 /AO1JB	В	AD3E03
OZL -VA342 B	WA	POSITION LIGHT	F/L2783	WES	EZC IL508	AUX	015	SX	0465	A 13D	6/20E-0-3384 C		P108 /A01JB	в	VD3E03
DZL -VA483	VA	THELL MOITISCE	F/L2783	WES	EZC IL504	AUX	015	SX	0467	A 13D	6/20E-0-3384 C	5	P111 /A01JA	В	AD3E03
DZL -VA484	VA	POSITION LIGHT	F/L2783	WES	EZC IL504	AUX	015	SX	0465	A 13D	6/20E-0-3384 0		P108 /A01JB	В	AD3E03
ZL -VA485	VA	POSITION LIGHT	F/L2783	WES	EZC IL504	AUX	021	QX	0451	A 13D	6/20E-0-3384 C		/A006 /A01JC	В	AD3E03
OZL -VA486	VA	POSITION LIGHT	F/L2783	WES	EZC IL504	AUX	021	QX	0451	A 13D	6/20E-0-3384 C		/A012 /A01JD	В	AD3E03



PROJECT NUM REVISION		: 0		COM		EALTH EDISON ENTIFICATION							PAGE DATE	:	222 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMEN			MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
OZL -VA487	VA	POSITION LI	GHT			EZC IL504						6020E-O-3384 0	1FP111 OVAO1JA	В	AD3E03
OZL -VA488	VA	POSITION LI	GHT	F/L2783	WES	EZC IL504	AUX	015	sx	0465	A 13D		1FP108 OVAO1JB	В	AD3EO3
OZL -VA489	VA	POSITION LI	GHT	F/L2783	WES	EZC	AUX	021	QX	0451	A 13D	6/20E-0-4465E 6/20E-0-3384	2VA006	В	AD3EO3
						IL504						6/20E-0-4466D	OVAO1JC		
OZL -VA490	VA	POSITION LI	GHT	F/L2783	WES	EZC IL504	AUX	021	QX	0451	A 13D	6/20E-0-3384 0	OVAO1JD	В	AD3E03
OZL -VASOS	VA	POSITION LI	GHT	F/L2783	WES	EZC IL504	AUX	015	sx	0467	A 13D		1FP111 OVAO1JA	В	AD3E03
OZL -VA506	VA	POSITION LI	GHT	F/L2783	WES	EZC IL504	AUX	021	QX	0451	A 13D	6/20E-0-3384 C	2VA006 0VA01JC	В	AD3E03
DZL -VA507	VA	POSITION LI	GHT	F/L2783	WES	EZC IL504	AUX	015	sx	0465	A 13D	6/20E-0-4466D 6/20E-0-3384	1FP108 OVA01JB	В	AD3E03
DZL -VA713	VA	POSITION LI	GHT	F/L2783	WES	EZC	AUX	015	SX	0467	A 13D	6/20E-0-4465E 6/20E-0-3384	1FP111	В	AD3EO3
						IL508						6/20E-0-4461B	OVACIJA		
DZL -VA714	VA	POSITION LI	GHT	F/L2783	WES	EZC IL508	AUX	015	SX	0465	A 13D	6/20E-0-3384 C	1FP108 OVAO1JE	В	AD3E03
DZL -VA715	VA	POSITION LI	GHT	F/L2783	WES	EZC IL508	AUX	021	QX	0451	A 13D		2VAOO6 OVAO1JC	В	AD3E03
DZL -VA716	VA	POSITION LI	GHT	F/L2783	WES	EZC	AUX	021	QX	0451	A 13D	6/20E-0-4466D 6020E-0-3384	2VAO12	В	AD3EO3
						IL508						6/20E-0-4462A	OVAO1JD		



PROJECT NUM REVISION	BER: 4391-00 : 0		VEALTH EDISON DENTIFICATION	DATA		BYR			00D STATION & 2)	PAGE DATE	:	223 OF 477 O1 SEP 84
EQUIPMENT NUMBER	TYPE OF SY EQUIPMENT	PURCHASE SPEC.NO. MFC	TYPE/MODEL	BDG (	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
OZL -VA717	VA POSITION LIGHT	F/L2783 WES	EZC IL508					5 (0.00)		1FP111 OVAO1JA	В	AD3E03
OZL -VA718	VA POSITION LIGHT	F/L2783 WES	EZC IL508	AUX (	015	sx	0465	A 13D	6/20E-O-3384 C	1FP108 OVAO1JB	В	AD3E03
OZL -VA719	VA POSITION LIGHT	F/L2783 WES	EZC IL508	AUX (	015	SX	0465	A 13D	6/20E-0-3384 C	1FP108 OVAO1JB	В	AD3E03
OZL -VA720	VA POSITION LIGHT	F/L2783 WES	EZC IL508	AUX (	021	QX	0451	A 13D	6/20E-O-3384 C	2VA006 0VA01JC	В	AD3E03



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION REVISION : O QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 224 OF 477

QUALIFICATION DATA SHEET (UNITS 1 & 2)

DATE : O1 SEP 84

AD3E03

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : MAINTAIN 1E INTEGRITY

ENVR ZONE : A130

COMP/EQUIP: INDICATOR LIGHT

MANUF. : WESTINGHOUSE.

MODEL SUPP: EZC

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

RAMETER :PLT DES:	UALIFICATION	: QUALIFICATION : METHOD	: QUALIFICATION : DOCUMENT REFERENCE	: REMARKS	: COMP : NUMBER
MP DEG F : 122MAX:	130	: TYPE TEST	:AETC'S TEST REPORT NO. :15221.REV. 2- 10/14/83 -	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BBO16 FOR COMPLETE DOCUMENTATION	:AD3EO3
RESS PSIG : 0.0 :	AMBIENT	TYPE TEST	:AETC'S RETESTING REPORT NO.	:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	1
			: 18987-84N, DATED		
L HUMID %: 70 :	90	: TYPE TEST	:DECEMBER, 1983.		
DIATION : 1EO6 :	1E07	TYPE TEST			Harry Co.
					1
EM SPRAY : N/A :	N/A	: N/A			
E THE MN : CONT. :	CONT.	TYPE TEST			
t the bit t court.					
AL. LIFE :40 YRS .:	18.5 YRS.	: TYPE TEST			
BMERGENCE: N/A :	N/A	: N/A			



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 225 OF 477 : 01 SEP 84 REVISION : 0 IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE PURCHASE EQUIPMENT TYPE OF --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER NUMBER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG CCL RCW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER VA WIRE F/L2783 GE 1-PLEX AUX 015 VX 0467 A13D AD3E60 N/A OVA21J N/A VA WIRE F/L2783 GE 1-PLEX AUX 015 VX 0472 A13D AD3E60 OVA22J AD3E6Q N/A VA WIRE F/L2783 GE 1-PLEX AUX 021 VX 0467 A13D OVA23J AD3E6Q N/A VA WIRE F/L2783 GE 1-PLEX AUX 021 VX 0473 A13D OVA24J AD3E60 N/A VA WIRE F/L2783 GE 1-PLEX AUX 015 SX 0467 A13D OHS -VA511 AD3E60 N/A VA WIRE F/L2783 GE 1-PLEX AUX 015 UX 0459 A13D OHS -VA512 N/A VA WIRE F/L2783 GE 1-PLEX AUX 015 SX 0451 A13D AD3E6Q OHS -VA513 N/A VA WIRE F/L2783 GE 1-PLEX AUX 018 UX 0467 A13D AD3E6Q OHS -VA514 AUX 018 UX 0459 A13D AD3E60 N/A VA WIRE F/L2783 GE 1-PLEX OHS -VA515 AD3E6Q F/L2 93 GE 1-PLEX AUX 018 SX 0451 A13D N/A VA WIRE OHS -VA516

AUX C18 SX 0469 A13D



AD3E6Q

OHS -VA517

N/A

VA WIRE

F/L2783 GE 1-PLEX

PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 226 OF 477 REVISION : 0 IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84 EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 NUMBER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER 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 AD3E60 OHS -VAS19 N/A VA WIRE F/L2783 GE 1-PLEX AUX 021 SX 0467 A13D AD3E6Q OHS -VA520 N/A VA WIRE F/L2783 GE 1-PLEX AUX 021 UX 0459 A13D AD3E6Q OHS -VA521 N/A VA WIRE F/L2783 GE 1-PLEX AUX 021 SX 0451 A13D AD3E60 OHS -VA522 N/A VA WIRE F/L2783 GE 1-PLEX AUX 051 VX 0467 A13D AD3E6Q OHS -VA523 N/A VA WIRE F/L2783 GE 1-PLEX AUX 015 UX 0459 A13D AD3E6Q OHS - VA524 N/A VA WIRE F/L2783 GE 1-PLEX AUX 015 UX 0451 A13D AD3E6Q OHS -VA525 N/A VA WIRE F/L2783 GE 1-PLEX AUX 018 UX 0467 A13D AD3E60 OHS -VA526 N/A VA WIRE F/L2783 GE 1-PLEX AUX 018 UX 0459 A13D AD3E60 OHS -VA527 N/A VA WIRE F/L2783 GE 1-PLEX AUX 018 UX 0451 A13D AD3E6Q



OHS -VA528

PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION REVISION : 0 IDENTIFICATION DATA SHEET (UNITS 1 & 2) : 227 OF 477 PAGE DATE : 01 SEP 84 EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588

NUMBER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER N/A VA WIRE F/L2783 GE 1-PLEX AUX 021 UX 0467 A13D AD3E6Q OHS -VA529 VA WIRE F/L2783 GE 1-PLEX AUX 021 UX 0459 A13D AD3E6Q N/A OHS -VA530 AD3E6Q N/A VA WIRE F/L2783 GE 1-PLEX AUX 021 UX 0451 A13D OHS -VA531 AD3E6Q N/A VA WIRE F/L2783 GE 1-PLEX AUX 015 VX 0467 A13D OHS -VA532 AUX 015 VX 0459 A13D AD3E60 N/A VA WIRE F/L2783 GE 1-PLEX OHS -VA533 AUX 015 VX 0451 A13D AD3E60 VA WIRE F/L2783 GE 1-PLEX OHS -VA534 AD3E6Q N/A VA WIRE F/L2783 GE 1-PLEX AUX 018 VX 0467 A13D OHS -VA535 AD3E6Q N/A VA WIRE F/L2783 GE 1-PLEX AUX 018 VX 0459 A13D OHS -VA536 F/L2783 GE 1-PLEX AUX 018 VX 0451 A13D AD3E6Q N/A VA WIRE OHS -VA537 AUX 021 VX 0467 A13D AD3E6Q N/A VA WIRE F/L2783 GE 1-PLEX OHS -VA538 F/L2783 GE 1-PLEX AUX 019 UX 0459 A13D AD3E6Q VA WIRE N/A



OHS -VA539

PROJECT NUME REVISION		: 4391-00 : 0	СОМ	CONTRACTOR OF THE PARTY.	EALTH EDISON ENTIFICATION	DAT	THE REAL PROPERTY.	The same of the sa		SET TO POST OF THE PARTY.	OOD STATION & 2)	PAG		:	228 OF 477 O1 SEP 84
EQUIPMENT NUMBER		TYPE OF EQUIPMENT		MFG .===	TYPE/MODEL .====================================	BD5,	COL.	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANE.	L NO	0588 CAT.	COMPUTER NUMBER AD3E6Q
N/A	VA	WIRE	* F/L2783	GE	1-PLEX	AUX	018	vx	0475	A 13D		CHS	-VA546	Δ	AD3E6Q
N/A	VA	WIRE	F/L2783	GE	1-PLEX	AUX	018	vx	0451	A13D		OHS	-VA547	Α	VD3E60

PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 229 OF 477 DATE : 01 SEP 84

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

PARAMETER :		NMENT DES: QU		The second	METH	CATION		: COMP
TEMP DEG F	122	2	130		TYPE		:1)AET'S TEST REPORT NO. :REFER TO ENVIRONMENTAL QUALIFICATION BINDER : 15281, REV. 2- 10/14/83 :NO. EQ-BB020 FOR COMPLETE DOCUMENTATION	: AD3E60
PRESS PSIG	0.0	) :	0		TYPE	TEST	:2)AET'S RETESTING REPORT NO. :PACKAGE ASSOCIATED WITH THIS EQUIPMENT. : 18987-84N, DATED	
REL HUMID %:	70		90	1	TYPE		: DECEMBER, 1983.	
RADIATION	1E(	)6 :	1E07		TYPE	TEST		
CHEM SPRAY	N//	· i	N/A	-	N/	Α.		
OPE THE MN	CON	. :	CONT.		TYPE	TEST		
QUAL. LIFE	40 YE	RS.:	40 YRS.		TYPE	TEST		
SUBMERGENCE :	N/	. :	N/A		N/	΄Δ		



PROJECT NUM		: 4391-00 : 0	COM		EALTH EDISON ENTIFICATION				A		00D STATION & 2)	PAGE DATE	:	230 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	The second secon	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	
N/A	VA	TERMINAL BLOCK	F/L2783	7	CR151B2- NUC		5.11	A comment of	0467		. ============	OVA21J	Α	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	015	vx	0472	A 13D		OVA22J	Α	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	021	vx	0467	A13D		OVA23J	А	AD3E6W
N/A	4	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	021	vx	0473	A 13D		OVA24J	Α	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	015	sx	0467	A 13D		OHS -VA51	A	VD3E6M
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	015	UX	0459	A 13D		OHS -VA512	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	015	sx	0451	A 13D		OHS -VA513	۸	VD3E6M
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	018	ux	0467	A 13D		OHS -VA514	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	018	ux	0459	A 13D		OHS -VA515	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	018	SX	0451	A 13D		OHS -VA516	Α .	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	018	SX	0469	A 13D		OHS -VAE 17	Α	AD3E6M



PROJECT NUME REVISION		: 4391-00 : 0	COM		EALTH EDISON ENTIFICATION						OOD STATION & 2)	PAG			231 OF 477 O1 SEP 84
EQUIPMENT NUMBER				N.F.G	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANE	L NO	CAT.	
N/A	VA	TERMINAL BLOCK			CR 15 1B2 - NUC				0459					A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	021	sx	0451	A 13D		OHS	-VA519	Δ	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	021	sx	0467	A 13D		онѕ	-VA520		AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	021	UX	0459	A 13D		OHS	-VA521		AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	021	sx	0451	A 13D		OHS	-VA522		AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	015	vx	0467	A 13D		OHS	-VA523		AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	015	ux	C459	A 13D		OHS	-VA524	Α	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	015	ux	0451	A13D		OHS	-VA525	Δ	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	018	ux	0467	A 13D		OHS	-VA526	Δ	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	018	UX	0459	A13D		OHS	-VA527	Α	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	018	ux	0451	A 13D		OHS	-VA528	Α	AD3E6W



PROJECT NUM		: 4391-00 : 0	СОМ		EALTH EDISON ENTIFICATION							PAG			232 OF 477 O1 SEP 84
EQUIPMENT NUMBER		TYPE OF EQUIPMENT		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANE	L NO	CAT.	The second second
N/A		TERMINAL BLOCK			CR151B2- NUC					A13D	. ****************			Α	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	021	ux	0459	A 13D		OHS	-VA530	Δ	AD3E6W
N/L	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	021	ux	0451	A 13D		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	A 13D		OHS	-VA533	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	015	vx	0451	A 13D			-VA534		AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2	AUX	018	vx	0467	A 13D		ons	-VA535	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	018	vx	0459	A13D		OHS	-VA536	Α	VD3E6M
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	018	VX	0451	A 13D		OHS	-VA537	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR15182- NUC	AUX	021	vx	0467	A 13D		OHS	-VA538	A	VD3E6M
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR 15 1B2 - NUC	AUX	019	ux	0459	A 13D		OHS	-VA539	Α	AD3E6W



PROJECT NUMBER REVISION	-	: 4391-00 : 0	СОМ		EALTH EDISON ENTIFICATION	DAT		- BY			00D STATION & 2)	DATE			233 OF 477 O1 SEP 84
EQUIPMENT NUMBER N/A	SY == VA			MFG	TYPE/MODEL ====================================	BDG	COL	ROW .===	ELEV			PANEL	NO	O588 CAT.	COMPUTER NUMBER AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	018	vx	0475	A 13D		ons -	VA546	A	AD3E6W
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR151B2- NUC	AUX	018	vx	0451	A 13D		OHS -	VA547	Α,	AD3E6W

PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

DATE : O1 SEP 84

PAGE : 234 DF 477

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

	DES: QU	ALIFICATION	: QUALIF:	The state of the s	: QUALIFICATION : DOCUMENT REFERENCE		REMARKS	: COMP :NUMBER
TEMP DEG F : 1:	22 :	130	TYPE	TEST	:1)AET'S TEST REPORT NO. : 15281, REV. 2- 10/14/83		ER TO ENVIRONMENTAL QUALIFICATION BINDER EQ-BB017 FOR COMPLETE DOCUMENTATION	: AD3E6W
PRESS PSIG : 0		0	TYPE	TEST	:2)AET'S RETESTING REPORT : 18987-84N, DATED	NO. : PACE	CAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %: 70	) :	90	TYPE	TEST	: DECEMBER, 1983.			
RADIATION : 11	06 :	1E07	TYPE	TEST				
CHEM SPRAY : N	/A :	N/A	: N/	/Δ				
PE THE MN : COM	IT. :	CONT.	TYPE	TEST				
QUAL. LIFE :40	RS.:	40 YRS.	: TYPE	TEST		a in		
SUBMERGENCE: N	/A :	N/A	: N	/Δ				



PROJECT NUM REVISION	BER	4391		COM	0.000	EALTH EDISON ENTIFICATION	ALC: 25 (1) 2 (1) (2)	100000		A STATE OF THE PARTY OF THE PAR	No. of Concession, Name of Street, or other	00D STATION 8 2)	DATE			235 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	EQ	YPE OF UIPMENT		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL		0588 CAT.	COMPUTER NUMBER
1CC9412B	7		OPERATOR	F/L2702			AUX					6/20E-0-3315 6/20E- 6/20E-1-4681D	1004	,	Α	AE3A17
2CC9412B	СС	MOTOR	OPERATOR	F/L2702	LTQ	SMB-00-10 RLNCE CLSS B	100000000000000000000000000000000000000	019	VX	0364	A13E	6/20E-0-3315 6/20E- 6/20E-2-4681D	2004	7	Α	AE3A17



PROJECT NUMBER: 4391-00 REVISION : O

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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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

PARAMETER :PLT DES:QUALI	FICATION: METHOD	QUALIFICATION DOCUMENT REFERENCE	: REMARKS	: COMP : NUMBER
TEMP DEG F : 104 : 2	그림에 가는 그 그 그 그 그 그 그 그 그 그 그리고 있다면 그리고 있다면 그리고 있다면 그리고 있다.	WESTINGHOUSE EQUIP. QUAL. TEST REPORT HO4A.	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :EQDP-HE-4 FOR COMPLETE DOCUMENTATION PACKAGE	:AE3A17
PRESS PSIG : O : -6.7			:ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %: 70 : 1	CO : TYPE TEST			
RADIATION : 1E05 : 4	EOG : TYPE TEST			
CHEM SPRAY : N/A :	N/A : N/A			
OPE THE MN : INTER . : IN	TER. : TEST/ANALYSIS			1
QUAL. LIFE :40 YRS.: 40	YRS. :TEST/ANALYSIS			
	N/A N/A			
SUBMERGENCE. N/A	. N/A			



PROJECT NUM REVISION	BER	: 4391-00		COM		ENTIFICATION	DAT	The same of the sa	- BYE		ITS 1	OOD STATION & 2)	PAGE DATE	:	237 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE EQUIP			MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE		PANEL NO	0588 CAT.	COMPUTER NUMBER
OPS -FP162	FP	PRESSURE	SWITCH			J302-S164 PS167		012				6E-C-3381 6E- 6E-O-4976D	1FP150	Α	AE3E25
OPS -FP163	FP	PRESSURE	SWITCH	F2906	UEL	J302-S164 PS167	AUX	012	LX	0463	A 13E	6E-0-3381 6E- 6E-0-4976D	1FP143	۸	AE3E25
OPS -FP164	FP	PRESSURE	SWITCH	F2906	UEL	J302-S164 PS167	AUX	024	LX	0463	A13E	6E-O-3383 6E- 6E-O-4976E	1FP158	A	AF3E25
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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COMMONWEALTH EDISON COMPANY - 8 RON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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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

PARAMETER :PLT DES:QU		: QUALIFICATION I: METHOD		REMARKS	: COMP : NUMBER
				* : * * * * * * * * * * * * * * * * * *	==;=====
TEMP DEG F : 104MAX:	147		:WYLE LABORATORIES QUALIFI- :CATION REPORT NO. 17612-1	:(*QUALIFICATION TO RADIATION BY ANALYSIS). :INTERIM JUSTIFICATION HAS BEEN PROVIDED.	:AE3E25
PRESS PSIG :25 TO: :O IN.WG:	0	TYPE TEST		: ADDITIONAL TESTING FOR RADIATION WILL BE	
REL HUMID %: 70 :	95	TYPE TEST		:PERFORMED. SEE S&L LETTER TO WYLE DATED :4-27-84.	
RADIATION : 1E05 :	1E06	ANALYSIS*	:		
CHEM SPRAY : N/A :	N/A	: N/A			
OPE THE MN : CONT. :	CONT.	: TYPE TEST			
QUAL. LIFE :40 YRS.:	40 YRS.	: TYPE TEST			
SUBMERGENCE: N/A :	N/A	: N/A			11



PROJECT NUI		391-00 0	СОМ		ALTH EDISON NTIFICATION	DAT	AMERICA	- BYF	1000	RAIDW	OOD STATION & 2)	PAGE DATE	:	239 OF 477 O1 SEP 84
	SY =.==.==	TYPE OF EQUIPMENT				BDG	COL	. ===	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO. ====================================	The second secon	0588 CAT.	COMPUTER NUMBER 
1HS -CC069	CC SE	L SWITCH	7/12/83	WES	012	AUX	013	*^	0426	AISE	6/20E-1-4030CC13 6/20E-1-4946	100244		ACSEZO
1HS -CC070	CC SE	L SWITCH	F/L:783	WES	012	AUX	013	WX	0426	A13E	6/20E-1-3352 C 6/20E-1-4030CC13 6/20E-1-4946	1CC245	A	AE3E26
2HS -CC069	CC SE	L SWITCH	F/L2783	WES	ОТ2	AUX				A13E	6/20E- 6/20E- 6/20E-2-4946	200244	A	AE3E26
2HS -CC070	CC SE	L SWITCH	F/L2783	WES	012	AUX				A13E	6/20E- 6/20E- 6/20E-2-4946	2CC245	A	AE3E26



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COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
QUALIFICATION DATA SHEET (UNITS 1 & 2)

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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

PARAMETER : PLT DES: Q		.:QUALIFICATION N: METHOD		REMARKS	: COMP : NUMBER
TEMP DEG F : 104 :	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	:AE3E26
PRESS PSIG :25 TO: :O IN.WG:	AMBIENT	: TYPE TEST	:2)AETC RETEST REPORT NO. : 18987-84N DATED 12/21/83.	:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	:
REL HUMID %: 70	90	: TYPE TEST			
RADIATION : 1EO5 :	1E07	: TYPE TEST			:
CHEM SPRAY : N/A :	N/A	: N/A			
OPE THE MN : 1 YR. :	1 YR.	TYPE TEST			:
QUAL. LIFE :40 YRS.:	18.6 YRS.	: TYPE TEST			
SUBMERGENCE: N/A :	N/A	: N/A			1



PROJECT NUME REVISION	BER: 4391-00 : 0	COMMONWEALTH E IDENTIFIC		YRON/BRAIDWOOD STATION T (UNITS 1 & 2)	PAGE DATE	: 241 OF 477 : 01 SEP 84
EQUIPMENT NUMBER 1TS -VAOO9	TYPE OF SY EQUIPMENT VA TEMP SWITCH	PURCHASE SPEC.NO. MFG TYPE/M F/L2783 UEL C303D- TS504	MODEL BDG COL RO	ON ENVR SCHEMATIC DIAGRAM WELEV ZONE WIRING DIAGRAM O364 A13F 6/20E-0-3315 6/20E- 6/20E-1-4471J	NO. PANEL NO	O588 COMPUTER CAT. NUMBER AF3E28
2TS -VA009	VA TEMP SWITCH	F/L2783 UEL C303D- TS504	-103 AUX 019 UX	0364 A13F 6/20E-0-3315 6/20E- 6/20E-2-4471J	C 2VA147 A	AF3E28



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QUALIFICATION DATA SHEET (UNITS 1 & 2)

AF3E28

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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

				*****
PARAMETER :PLT DES:QUALIFIC	:QUALIFICATION	: QUALIFICATION : DOCUMENT REFERENCE	: REMARKS	: COMP : : NUMBER :
******************	;		==:====================================	:
TEMP DEG F : 122 : 122	: TYPE TEST		2:REFER TO ENVIRONMENTAL QUALIFICATION BINDER:NO. EQ-BBO21 FOR COMPLETE DOCUMENTATION	:AF3E28:
PRESS PSIG : 2.42 : 0	: TYPE TEST	:2)AETC RETEST REP. NO. : 18987-84N, DATED 12/21/8	: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 THE NN : CONT . : CONT .	TYPE TEST			
QUAL. LIFE :40 YRS.: 8.9 YE	S. TYPE TEST			
SUBMERGENCE: N/A : N/A	N/A			



PROJECT NUM REVISION	The second second	391-00	COM	300 007 20.7	EALTH EDISON	DAT		- BYR	24/10/20		8 2)	PAGE DATE		243 OF 477 O1 SEP 84
EQUIPMENT NUKLER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
1HS -VA009	*	L SWITCH	F/L2783	WES	0T2 CS509	AUX						1VA060 1VA09J	A	AF3E29
2HS -VA009	VA SE	L SWITCH	F/L2783	WES	0T2 CS509	AUX	019	ux	0364	A13F	6/20E-0-3315 C 6/20E- 6/20E-2-4471J	2VA062 2VA09J	Α	AF3E29

PROJECT NUMBER: 4391-00 REVISION : 0 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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AF3E29

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : HVAC CONTROLS

ENVR ZONE : A13F

COMP/EQUIP: SEL SWITCH

MANUF. : WES.

MODEL SUPP: 072

		NMENT ES: QU	ALIFICATIO	300 1011	METHOD	ON:	DOCUMENT	REFERENCE	: REMARKS	: COMP : NUMBER
CHD DEC E	4:0	mn; ==:	420		*******					=;=====
TEMP DEG F :	122		130		TYPE TES	- 1	)AETC REPORT		:REFER TO ENVIRONMENTAL QUALIFICATION BINDER	: AF3E29
								TED 10/14/83.	:NO. EQ-BB019 FOR COMPLETE DOCUMENTATION	1
PRESS PSIG :	2.4	2 :	0	1	TYPE TES	:2	)AETC RETEST	REPORT NO.	: PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	1
		1		4			18987-84N.	DATED 12/21/83		2
EL HUMID %:	90		90		TYPE TES	1				1
ADIATION :	1EO	6 :	1E07	13	TYPE TES					
HEM SPRAY :	N/A		N/A		N/A					1000
	137.51		***							
PE THE MN :	CONT		CONT.		TYPE TES	OWA				1
TE THE MIN .	CONT	1000	CONT.		ITE IES					
	40 VD		10 C VDC	1	TUBE TEE					
DUAL. LIFE :	40 TK	5.:	18.6 YRS.	- 3	TYPE TES	1				4
						1				
SUBMERGENCE:	N/A		N/A	- 2	N/A	1.				1
		1 1		1		3				3



	BER: 4391-00 : 0			COMPANY - BYRO DATA SHEET	N/BRAIDWOOD STATION (UNITS 1 & 2)	PAGE DATE	: 245 OF 477 : 01 SEP 84
EQUIPMENT NUMBER ####################################	TYPE OF SY EQUIPMENT .=	PURCHASE SPEC.NO. MFG F/L2783 GE	TYPE/MODEL	BDG COL ROW E	ENVR SCHEMATIC DIAGRAM/ LEV ZONE WIRING DIAGRAM NO.	PANEL NO CA	
N/A	VA WIRE	F/L2783 GE	1-PLEX	AUX 019 UX 0	364 A13F	1VAO9J	AF3E30



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COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
QUALIFICATION DATA SHEET (UNITS 1 & 2)

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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

	ENVI	RONMENT		QUALIF	ICATION	: QUALIFICATION			: COMP
PARAMETER	:PLT	DES: QU	ALIFICATION	: METI	HOD	DOCUMENT REFERENCE		REMARKS	: NUMBER
				:=====				************************************	#: xzzzzz
TEMP DEG F	: 1	22 :	130	: TYPE		1)AET'S TEST REPORT NO.		REFER TO ENVIRONMENTAL QUALIFICATION BINDER	:AF3E30
PRESS PSIG		42 .	0	TVDE		15281, REV. 2- 10/14/83		NO. EQ-BB020 FOR COMPLETE DOCUMENTATION	
LKC32 L210		42	U	. ITTE			NU.	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID	%: 9	0 :	90	TVDE		: 18987-84N, DATED : DECEMBER, 1983.			
NEC HOMID	m. 3		30	TIPE	IESI	DECEMBER, 1983.			
RADIATION		E06 :	1E07	TVDS	TEST				
			1201						
CHEM SPRAY	. N	/A :	N/A	N.	/A				
	2								
OPE THE MN	: co	NT. :	CONT.	: TYPE	TEST				
QUAL. LIFE	:40	RS.:	40 YRS.	: TYPE	TEST :				
	2	1		1					
SUBMERGENC	E: N	/A :	N/A	: N	/A :		-		
	2			1	The state of				



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EQUIPMENT NUMBER N/A		TYPE OF EQUIPMENT TERMINAL BLOCK		MFG		BDG	COL	ROW .	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR 151B2 - NUC	AUX	019	ux	0364	A13F		2VA09J	A	AF3E6T

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QUALIFICATION DATA SHEET (UNITS 1 & 2)

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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

PARAMETER :	NVIRONM PLT DES		:QUALIFIC		QUALIFICATION DOCUMENT REFERENCE	: REMARKS	: COMP :NUMBER
TEMP DEG F :	122	130	: TYPE	EST	1)AET'S TEST REPORT NO. 15281, REV. 2- 10/14/83	REFER TO ENVIRONMENTAL QUALIFICATION BINDER: NO. EQ:BBO17 FOR COMPLETE DOCUMENTATION	:AF3E6T
PRESS PSIG :	2.42	0	TYPE 1	EST :	그리고 있다 하는 경험에 가는 그들이 되는 것이 그래요 하는 그 없었다. 그 그 없는 가는 것이 가를 했다고 있다면 없는 것이 없다.	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	1
REL HUMID %:	90	90	: TYPE 1	EST :	DECEMBER, 1983.		:
RADIATION :	1E06	1E07	: TYPE 1	EST :			
CHEM SPRAY :	N/A	: N/A	: N/A				
OPE THE MN :	CONT.	: CONT.	: TYPE 1	EST :			
QUAL. LIFE :4	40 YRS.	: 40 YRS.	: TYPE !	EST :			
SUBMERGENCE :	N/A	N/A	. N/A				



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EQUIPMENT NUMBER 1CVO1PA	TYPE OF SY EQUIPMENT CV CENTRIFUGAL CHARGING PUMP			G 6/20E-0-3315 C 1CVC 6/20E-	L NO CAT.	COMPUTER NUMBER AG3A24
2CVO IPA	CV CENTRIFUGAL CHARGING PUMP 2A	F/L2702 WES S.O.75F3	32350 AUX 020 VX 0364 A13	6/20E-1-4611L G 6/20E-0-3315 C 2CVC 6/20E- 6/20E-2-4611M	001 A	AG3A24

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COMMO. VEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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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 : COMP : PARAMETER :PLT DES:QUALIFICATION: METHOD : DOCUMENT REFERENCE : REMARKS : NUMBER : TEMP DEG F : 122 MAX: 120 : TYPE TEST : WESTINGHOUSE EQUIPMENT QUAL : REFER TO ENVIRONMENTAL QUALIFICATION BINDER : AG3A24 :TEST REPORT AO2A. :EQDP AE-2 FOR COMPLETE DOCUMENTATION PACKAGE : PRESS PSIG : O : TYPE TEST : :ASSOCIATED WITH THIS EQUIPMENT. REL HUMID %: 90 : : TYPE TEST RADIATION : 1E07 : : TYPE TEST 5E07 CHEM SPRAY : N/A : N/A NONE :PUMP MOTORS ARE NOT REQUIRED TO OPERATE FOR :HELB ACCIDENT WHICH THEY MAY BE SUBJECTED TO. OPE THE MN : SHORT : CONTINOUS : TEST/ANALYSIS: QUAL. LIFE :40 YRS.: 5 YRS. : TEST/ANALYSIS: N/A SUBMERGENCE: N/A : N/A



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EQUIPMENT TYPE OF NUMBER SY EQUIPMENT 2VAO2CA VA HVAC PUMP CUB. COOLER FAN	PURCHASE SPEC.NO. MFG TYPE/MODEL F/L2900 TRA		CABLE NO/ 0588 PANEL NO CAT.	COMPUTER NUMBER 
2VAOSCA VA HVAC PUMP CUB. COOLER FAN	F/L2900 TRA .	AUX 0364 A13G N/A	N/A N/A	AG3G06
2VAOSCB VA HVAC PUMP CUB.	F/L2900 TRA	AUX 0364 A13G N/A	N/A N/A	AG3G06
2VAOSCC VA HVAC PUMP CUB.	F/L2900 TRA	AUX 0364 A13G N/A	N/A N/A	AG3G06
2VAOSCD VA HVAC PUMP CUB.	F/L2900 TRA	AUX 0364 A13G N/A	N/A N/A	AG3G06

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QUALIFICATION DATA SHEET (UNITS 1 8 2)

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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:

ARAMETER : PLT DES: QU		METHOD :	QUALIFICATION DOCUMENT REFERENCE	: REMARKS	: COMP : NUMBER
EMP DEG F : 190 :	SEE : REMARKS :	SEE : REMARKS :	N/A	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. COD- N/A FOR COMPLETE DOCUMENTATION :PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	: AG3G00
EL HUMID %: 90				:ITEMS DO NOT CONTAIN ANY NON-METALLIC COMPUN- ENTS: THEREFORE NO E.Q. IS REQUIRED. NO BINDER IS REQUIRED.	:
HEM SPRAY : N/A :					
PE TME MN : CONT. :					
UAL. LIFE :40 YRS.:					:
UBMERGENCE: N/A :					:



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EQUIPMENT NUMBER	5Y	TYPE	MENT	SPFU.NO.	MFG	TYPE	MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
1VAO6CA	VA	CEN CHG F	HVAC	The second secon	*	*		AUX						1VA051	Α	AG3A.?5
1VAO6CB	VA	AUX BLDG CEN CHG F CUB CLR F	PUMP	F/L2900	WEC	HP 003	CLASS H		016	ux	0364	A 13G	6/20E-0-3315 6/20E- 6/20E-1-4665B	1VA136	Δ	AG3A25
2VAO6CA	VA	AUX BLDG CEN CHG F COOLER FA	MP CUB	F/L2900	WEC	003 HP	CLASS H		019	VX	0364	A 13G	6/20E-0-3315 6/20E- 6/20E-2-4661C	2VA051	Δ	AG3A25
2VA06CB	VA	AUX BLDG CEN CHG F	MP CUB	F/L2900	WEC	003 HP	CLASS H		019	vx	0364	A13G	6/20E-0-3315 6/20E- 6/20E-2-4665B	2VA136	Α	AG3A25



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COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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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

	NVIRO	STATE OF THE PARTY	IFICATIO	.:QUALIF		QUALIF DOCUMENT	ICATION REFERENCE	: REMARKS	: COMP : NUMBER
TEMP DEG F	122		130	TYPE			ELECTRIC CORP.	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BBOOS FOR COMPLETE DOCUMENTATION	: AG3A25
PPESS PSIG :	ATM		ATM	: TYPE				:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %:	90		100	TYPE	TEST			꽃 마이지 이번 보겠다. 보고 사람들이 걸다.	
RADIATION :	1E07		2E08	TYPE	TEST			취 그리고 얼마는 이번 강하는 사고를 다고	
CHEM SPRAY	N/A		N/A	: N	/A				
OPE THE MN	CON	т.:	CONT.	TYPE	TEST				
QUAL. LIFE :	40		40	: TYPE	TEST				
SUBMERGENCE:	N/A		N/A	N	/A				



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EQUIPMENT TYPE OF NUMBER SY EQUIPMENT	PURCHASE SPEC.NO. MFG TYPE/MODEL	LOCATION ENVR SCHEMATIC DIAGRA BDG COL ROW ELEV ZONE WIRING DIAGRAM N	O. PANEL NO CAT. NUMBER
1TS -VAO10 VA TEMP SWITCH	F/L2783 UEL C303D-103 TS504	AUX 016 UX 0384 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 G/20E-0-3315 6/20E- 5/20E-2-4471K	C 2VA139 A AG3E31

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COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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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: CGO3D-103

PARAMETER :	NVIRON	Andreas and a second		200	- 100	CATION		FICATI		: REMARKS	: COMP : NUMBE
TEMP DEG F	122		122		TYPE	TEST		REPORT /14/83		REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. EQ-BBO21 FOR COMPLETE DOCUMENTATION	: AG3E3
PRESS PSIG :	2.42	1	0	: 1	TYPE	TEST		T REP.		:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %:	90		90	. 1	TYPE	TEST					
RADIATION :	1E07		1E07	: 1	TYPE	TEST					
CHEM SPRAY :	N/A		N/A		N/	A					
PE THE MN :	CONT.		CONT.	1	TYPE	TEST					
QUAL. LIFE :	40 YPS		8.9 YRS.	1	TYPE	TEST					
SUBMERGENCE :	N/A	Ė	N/A		N/	Α					



	ROJECT NUM EVISION	BER	: 4391-00 : 0	COM		EALTH EDISON ENTIFICATION	DAT		- BYE		ITS 1	DOD STATION & 2)	PAGE DATE	:	257 OF 477 O1 SEP 84
***		SY			MFG .===	TYPE/MODEL	BDG	COL	ROW . ===.	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
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	A 13G			A	AG3E6C
1RE	-ARO26A	AR	RADIATION DETECTOR	F/L2827	GA	RD-8	AUX	013	XX	383	A 13G			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	213	vx	401	A13G			۸	AG3E6C
1RE	-AR027B	AR	RADIATION DETECTOR	F/L2827	GA	RD-8	AUX	013	YX	401	A13G			Α	AG3E6C



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QUALIFICATION DATA SHEET (UNITS 1 & 2)

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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

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



PROJECT NUM REVISION	MBER: 4391-00 : 0		LIH EDISON COMPAN	Control of the second s		PAGE DATE	: 259 OF 477 : O1 SEP 84
EQUIPMENT NUMBER	TYPE OF SY FQUIPMENT	PURCHASE SPEC.MO. MFG T	YPE/MODEL BDG C	OL ROW ELEV ZONE	SCH: MATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO CAT	
N/A	VA INDICATOR LIGHT					1VA052 D 1VA10J	AG3E04
N/A	VA INDICATOR LIGHT	F/L2783 WES E	ZC 'AUX O	019 UX 0364 A13G	6/20E-0-3315 C 6/20E- 6/20E-2-4471K	2VA052 D 2VA10J	AG3EO4



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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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

		MENT S:QUALIFICATIO	N: METHOD	OCCUMENT REFERENCE	: REMARKS	: COMP :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	: AG3E04
PRESS PSIG	2.42	AMBIENT	TYPE TEST	: 2)AETC'S RETESTING REPORT : NO. 18987-84N, DATED	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	90	90	TYPE TEST		발생님 되었습니다. 이 얼마를 받는데 되었다.	
RADIATION	: 1EO7	1E07	: TYPE TEST			
CHEM SPRAY	N/A	N/A	N/A			
OPE THE 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 TYPE OF NUMBER SY EQUIPMENT	PURCHASE SPEC.NO. MFG TYPE/MODEL	LOCATION ENVR SCHEMATIC DIAGRAM/ BDG COL ROW ELEY ZONE WIRING DIAGRAM NO.	PANEL NO CAT.	COMPUTER NUMBER
1HS -VAO10 VA SEL SWITCH	F/L2783 WES 0T2 CS509	AUX 017 UX 0364 A13G 6/20E-0-3315 C	1VA052 A 1VA10J	AG3E32
'HS -VAO10 VA SEL SWITCH	F/L2783 WES 0T2 CS509		2VA 138 A 2VA 10J	AG3E32

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AG3E32

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION :

ENVR ZONE : A13G

COMP/EQUIP: SELECTOR SWITCH

MANUF. : WES.

MODEL SUPP: 072

	PLT DE		LIFICATIO		FICATION THOD	: QUALIFICATION : DOCUMENT REFERENCE	: REMARKS	: COMP :NUMBER
EMP DEG F	122		130	TYP	E TEST	:1)AETC REPORT NO. 15281 : REV. 2, DATED 10/14/83.	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BB019 FOR COMPLETE DOCUMENTATION	: AG3E32
RESS PSIG	2.42		0	: TYP	E TEST	:2)AETC RETEST REPORT NO. : 18987-84N DATED 12/21/83.	:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
EL HUMID %	90	1	90	: TYP	E TEST			
ADTATION	1E07	1	1E07	: TYP	TEST			
HEM SPRAY	N/A	1 1	N/A	1 - 1	N/A			1
PE TME MN	CONT.	1	CONT.	: TYP	E TEST			
JAL. LIFE		: 11	3.6 YRS.		E TEST			
UBMERGENCE	N/A	1	N/A		N/A			



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 263 OF 477
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EQUIPMENT TYPE OF PURCHASE SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM/ CABLE NO/ O588 COMPUTER NUMBER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER

N/A VA WIRE F/L2783 GE 1-PLEX AUX 017 UX 0364 A13G

N/A VA WIRE F/L2783 GE 1-PLEX AUX 019 UX 0346 A13G

A AG3E6N



2VA 1OJ

PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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AG3E6N

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : MAINTAIN CONTINUITY & INTEGRITY OF CLASS 1E CIRCUITS

ENVR ZONE : A13G

COMP/EQUIP: 1-PLEX WIRE

MANUF. : G.E.

MODEL SUPP: SIS SINGLE PLEX

ARAMETER : PLT DES: 0		.: QUALIFICATION N: METHOD		: COMP : NUMBER
*********	*******			
EMP DEG F : 122 :	130		1) AET'S TEST REPORT NO. : REFER TO ENVIRONMENTAL QUALIFICATION BINDER	: AG3E6N
		and the same of the same of	15281. REV. 2- 10/14/83 :NO. EQ-BB020 FOR COMPLETE DOCUMENTATION	3
RESS PSIG : 2.42 :	0		2)AET'S RETESTING REPORT NO.: PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	4
			18987-84N, DATED :	2
EL HUMID %: 90 :	90	: TYPE TEST	DECEMBER, 1983.	3
			잔이 보기하게 되었다. 그는 그는 그는 그 그 그 그 그 그 그 그 그는 그는 그 그 그 그	1
ADIATION : 1E07 :	1E07	: TYPE TEST	그리고 그 가는 그리고 있는데 하는데 그렇게 들어 있다면 하는데 하는데 그 그 그 것이 없는데 그리고 있다.	
HEM SPRAY : N/A :	N/A	11/4	즐겁게 그 아이라 하나면 그는 그리고 주요 이렇게 하다 내 때 아이지나요 없는 때 되었다고 있다.	1
HEM SPRAT : N/A :	N/A	N/A	[[ 4 4 2 1 1 1 1 1 1 1 2 2 2 2 2 2 2 2 2 2	2
PE THE MN : CONT . :	CONT.	TYPE TEST	[1] 마이크 (1) 전 [1] [1] 그 보고 하는 아니라 하는 아니라 하는 사람들이 되었다.	3
TE THE MIT . CONT	Guitt.	. Tire lest		3
AL. LIFE :40 YRS.:	40 YRS.	: TYPE TEST	[2] 보다 보다 하고 있다. 그는 보다 그리고 보다 보다 하는 것이 되었다. 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그 그	
	77.00			
UBMERGENCE: N/A :	N/A	: N/A		*
			그들이 살아내는 아이들이 살아내는 사람들이 아니면 아들이 되었다.	



PROJECT NUME REVISION	BER	: 4391-00 : 0	СОМІ		EALTH EDISON				Committee of the Commit	RAIDWO		PAGE DATE	:	265 OF 477 O1 SEP 84
EQUIPMENT NUMBER	1	TYPE OF EQUIFMENT TERMINAL BLOCK		MFG		BDG	COL.	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER 
N/A	VA	TERMINAL BLOCK	F/L2783	GE	CR 15 1B2 - NUC	AUX	019	ux	0346	A 13G		2VA 10J	Α	AG3E33

PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 8 2)

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AG3E33

SPEC. NUM.: F/L2783

SYSTEM : VA

SAFETY CAT: A

FUNCTION : HVAC CONTROLS

ENVR ZONE : A13G

COMP/EQUIP: TERMINAL BLOCK

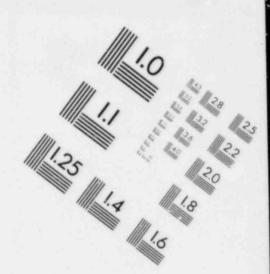
MANUF. : G.E.

MODEL SUPP: CR151B2-NUC

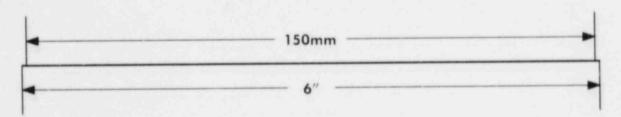
PARAMETER			LIFICATI		METH			: COMP : NUMBER
				==:==				
TEMP DEG F	122	2 :	130	1	TYPE	10.000	1)AET'S TEST REPORT NO. :REFER TO ENVIRONMENTAL QUALIFICATION BINDER 15281, REV. 2- 10/14/83 :NO. EQ-BB017 FOR COMPLETE DOCUMENTATION	:AG3E33
PRESS PSIG	2.42	2 : 1	AMB!ENT	1	TYPE	TEST	2)AET'S RETESTING REPORT NO .: PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	90		90		TYPE	TEST	18987-84N, DATED 12/21/83.:	
RADIATION	1E0	7 :	1E07		TYPE	TEST		
CHEM SPRAY	N/4	1 2	N/A	1	N/	A		
OPE THE MN	CONT		CONT.	1	TYPE	TEET	홍보 회사 회사 전에 이 그는 말이 되었다. 이 아이는 말이 되지 않는데 되었다.	
				2				
QUAL. LIFE	40 YE	35.:	40 YRS.	1	TYPE	TEST		
SUBMERGENCE	N/1	1 :	N/A		N/	A		



# IMAGE EVALUATION TEST TARGET (MT-3)







97 Bill SEIM

O'IIII GELIIIII

PROJECT NUM REVISION	BER	: 4391	-00	СОМ		EALTH EDISON ENTIFICATION	DAT		- BYE		RAIDWI	00D STATION & 2)	PAGE DATE		267 DF 477 O1 SEP 84
EQUIPMENT NUMBER	SY.==		YPE OF UIPMENT		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
1CV112B	CV	MOTOR	OPERATOR	F/L2702		SB-00-10 RINCE CLSS B	AUX					6/20E-0-3354 6/20E- 6/20E-1-4669A	1CV065	A	AH3A05
1CV112C	cv	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-10 RENCE CLSS B	-1.11	016	QX	0427	A 13H	6/20E-0-3354 6/20E- 6/20E-1-4689	1CV071	A	АНЗАО5
1CV8104	CH	MOTOR	OPERATOR	F/L2702	LTQ	SMB-00-10 RENCE CLSS B		016	QX	0427	A 13H	6/20E-0-3354 6/20E- 6/20E-1-4689B	1CV616	Α	АНЗАС5
2CV112B	cv	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-10 RLNCE CLSS B	10000	019	QX	0426	АізН	6/20E-0-3354 6/20E- 6/20E-2-4669A	2CV065	A	AH3A05
2CV112C	cv	MOTOR	OPERATOR	F/L2702	LTQ	SB-00-10 RENCE CLSS B	AUX	019	QX	0426	A13H	6/20E-0-3354 6/20E- 6/20E-2-4689C	2CV071	A	анзао5
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	Α	АНЗАО5



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EDAEHA

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

PARAMETER :PLT DES:	DUALIFICATIO	.:QUALIFICATION ON: METHOD	: QUALIFICATION : DOCUMENT REFERENCE	: REMARKS	: COMP :NUMBER
TEMP DEG F : 143 MAX	210	: TYPE TEST	:WESTINGHOUSE EQUIP. QUAL.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER	: AH3A05
			:TEST REPORT HO4A.	NO. EQDP HE-4 FOR COMPLETE DOCUMENTATION	
PRESS PSIG :25 :	-6.7/2.3	: TYPE TEST		PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %: 70 :	100	: TYPE TEST			
ADIATION : 3.7E06:	4E06RADS	: TYPE TEST			
HEM SPRAY : N/A :	N/A	: N/A			
		1			
PE TME MN : INTER. :	INTER.	TYPE TEST			
NIAL LIFE . 40 VDS .	40 YRS.	TYPE TECT/			
QUAL. LIFE :40 YRS.:	40 185.	: TYPE TEST/			
SUBMERGENCE: N/A	N/A	: N/A			
SOBMERGENCE. N/A	IN/ M	14/ 4			



PROJECT NUM	MBER: 4391-	-00	COM		EALTH EDISON							PAGE DATE	: :	269 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY EQL	PE OF JIPMENT	PURCHASE SPEC.NO.		TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
OZS -VA501AA		SWITCH	F/L2903		EA170XX302 DATE CD 8/79	AUX					6/20E-O-3354 6/20E- 6/20E-O-4469S	1VA479	A	AH3DO1
OZS -VA501AB	VA LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79		015	SX	0447	A 13H	6/20E-O-3354 6/20E- 6/20E-O-4469S	1VA478	A	AH3DO1
OZS -VA501BA	VA LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	016	SX	0447	A13H	6/20E-O-3354 6/20E- 6/20E-O-4469S	1VA482	A	AH3001
OZS -VA501BB	VA LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	015	SX	0447	A 13H	6/20E-O-3354 6/20E- 6/20E-O-4469S	1VA481	A	AH3DO1
OZS -VA502AA	VA LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	017	SX	0447	A13H	6/20E-O-3354 6/20E- 6/20E-O-4469P	1VA540	Α	AH3DO1
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	Α	AH3DO1
OZS -VA5O2BA	VA LIMIT	SWITCH	F/L2903	NAM	EA170XX302 PATE CD 8/79	AUX	017	sx	0447	A13H	6/20E-0-3354 6/20E- 5/20E-0-4469P	1VA543	Α	AH3DO1
OZS -VA502BB	VA LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	017	SX	0447	A 13H	6/20E-0-3354 6/20E- 6/20E-0-4469P	1VA542	Α	AH3DO1
OZS -VA5O3AA	VA LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	018	SX	0426	A 13H	6/20E-O-3354 6/20E- 6/20E-O-4469M	2VA637	Α	AH3DO1
OZS -VA5O3AB	VA LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	018	SX	0426	A 13H	6/20E-O-3354 6/20E- 6/20E-O-4469M	2VA636	A	AH3DO1
OZS -VA503BA	VA LIMIT	SWITCH	F/L2903	NAM	EA170XX302 DATE CD 8/79	AUX	019	sx	0426	A 13H	6/20E-0-3354 6/20E- 6/20E-0-4469M	2VA640	Α	AH3DO1



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EQUIPMENT NUMBER	TYPE OF SY EQUIPMENT	PURCHASE SPEC.NO. MFG			L ROW	ELEV ZONE		CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER
OZS -VA5O3BB	VA LIMIT SWITCH		EA170XX302 DATE CD 8/79				6/20E-O-3354 6/20E- 6/20E-O-4469M	2VA639	Α	AH3DO1
OZS -VA5O4AA	VA LIMIT SWITCH	F/L2903 NAM	EA170XX302 DATE CD 8/79	AUX 02	o sx	0426 A13H	6/20E-0-3354 6/20E- 6/20E-0-4469M	2VA382	A	AH3DO1
OZS -VA504AB	VA LIMIT SWITCH	F/L2903 NAM	EA170XX302 DATE CD 8/79	AUX 02	o sx	0426 A13H	6/20E-0-3354 6/20E- 6/20E-0-4469M	2VA381	Α	AH3DO1
OZS -VA5O4BA	VA LIMIT SWITCH	F/L2903 NAM	EA170XX302 DATE CD 8/79	AUX O2	o sx	0426 A13F	6/20E-0-3354 6/20E- 6/20E-0-4469M	2VA385	A	AH3DO1
OZS -VA5O4BB	VA LIMIT SWITCH	F/L2903 NAM	EA170XX302 DATE CD 8/79	AUX 02	o sx	0426 A13H	6/20E-0-3354 6/20E- 6/20E-0-4469M	2VA384	A	AH3DO1



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AH3DO1

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DATE : 01 SEP 84

SPEC. NUM.: F/L2903

SYSTEM : VA

SAFETY CAT: A

FUNCTION : DAMPER POSITION INDICATION

ENVR ZONE : A13H

COMP/EQUIP: LIMIT SWITCH

MANUF. : NAMCO CONTROLS

MODEL SUPP: EA170 SERIES

ARAMETER :PLT DES:	QUALIFICATION	: QUALIFICATION : METHOD	: QUALIFICATION : DOCUMENT REFERENCE	: REMARKS	: COMP : NUMBER
EMP DEG F : 143 :	194	TYPE TEST		:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BBO55 FOR COMPLETE DOCUMENTATION	: AH3DO1
RESS PSIG :-0.25TO: :O IN.WG:		TYPE TEST	:REP. LP10767-2 REV. 4 DATED :11/02/79.	:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
EL HUMID %: 70 :	100	TYPE TEST			
ADIATION : 1E06 :	2.04E08	TYPE TEST			
HEM SPRAY : N/A :	N/A	N/A			
PE TME MN : CONT. :	CONT.	TYPE TEST			
UAL. LIFE :40 YRS :	10.62 YRS.	TYPE TEST/			
UBMERGENCE: N/A	N/A	N/A			



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EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER NUMBER SY EQUIPMENT SPEC.NC. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER OVA429Y VA DAMPER F/L2903 PAP AUX 0443 A13H 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 : A 13H

COMP/EQUIP: DAMPER

MANUF. : PACIFIC AIR PRODUCTS

MODEL SUPP:

PARAMETER :PLT			:QUALIFICATI N: METHOD	ON:	QUALIFICATION DOCUMENT REFERENCE	: REMARKS	: COMP : NUMBER
PRESS PSIG :-0.0	09 :	REMARKS	SEE REMARKS		N/A	REFER TO ENVIRONMENTAL QUALIFICATION BINDER NO. CQD- N/A FOR COMPLETE DOCUMENTATION PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	: AH3GO8
REL HUMID %: 70						:ITFMS DO NOT CONTAIN ANY NON-METALLIC COMPON- :ENTS; THEREFORE NO E.Q. IS REQUIRED.	
CHEM SPRAY : N/	:					NO BINDER IS REQUIRED.	1
DPE TME MN : INTE	R. :						
QUAL. LIFE :40 Y	:						
SUBMERGENCE: N/	Α :			1			1



PROJECT NUMBER: 4391-00 REVISION : 0		ISON COMPANY - BYRON/BRAIDWOOD STATION TION DATA SHEET (UNITS 1 & 2)	PAGE : 274 OF 477 DATE : 01 SEP 84
		,,,,,,,	NO. PANEL NO CAT. NUMBER
1LE -RCO2O RC REACTOR	VES. F/L2931 CE HJTC/CE	TC CNT C 1	B C1AE6D



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 275 OF 477 DATE : O1 SEP 84

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

PARAMETER :PLT DES:	UALIFICATION			QUALIFICATION DOCUMENT REFEREN	CE : REMARKS	: COMP : NUMBER
*********			:			
TEMP DEG F : 320 :	420	: TYPE		E-NPSD-251-P E-NPSD-153-P	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BB105 FOR COMPLETE DOCUMENTATION	:C1AE6
PRESS PSIG : 50 :	84	: TYPE	TEST :		PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %: 100 :	100	TYPE	TEST :			
RADIATION : 1.4E07:	6.8507	TYPE	TEST :		:JIO IN EFFECT. CURRENTLY THE REPORT 'S UNDER :REVIEW.	
:1.72E08:						
CHEM SPRAY : 0. 15GPM: : /SQ.FT:	O.5 GPM/ SQ. FT.	: TYPE	TEST :		:EX-VESSEL PORTION OF PROBE ASSEMBLY (G & H :CONNECTOR) = 62.5E06 GAMMA WITH SHRINK LITTON	
OPE THE MN : CONT. :	CONT.	: TYPE	TEST :		CONNECTOR 1EOB RADS GAMMA.	
QUAL. LIFE :40 YRS.:	10 YRS.	TYPE	TEST :			
UBMERGENCE: N/A	N/A	. N	. :			
COMERCENCE: N/A :	N/A	. N/	A			



REVISION	BER	: 4391-00 : 0	СОМ		EALTH EDISON ENTIFICATION	DAT		- BYF	T-100		OOD STATION & 2)	PAGE DATE	:	276 OF 477 O1 SEP 84
EQUIPMENT NUMBER	7			MFG.		BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
1NRO7E	NR	JB-SOURCE AND INTERMEDIATE NEUTRON DETECTR	F/L2702	WES	W/L24159	CNT	011	RI	0380	C 1	6/20E-1-3571 C 6/20E- 6/20E-1-4056F	1NR009	A	C1AE11
1NRO9E	NR	JB-SOURCE AND INTERMEDIATE NEUTRON DETECTR	F/L2702	WES	W/L24159	CNT	001	RI	0380	C 1	6/20E-1-3572 C 6/20E- 6/20E-1-4056H	1NR 128	A	C1AE11
2NRO7E	NR	JB-SOURCE AND INTERMEDIATE NEUTRON DETECTR	F/L2702	WES	W/L24159	CNT	028	WX	0399	C 1	6/20E-2-3571 C 6/20E- 6/20E-2-4056F	2NR009	Α	CIAEII
2NRO9E	NR	JB-SOURCE AND INTERMEDIATE NEUTRON DETECTR	F/L2702	WES	W/L24159	CNT	028	WX	0399	C 1	6/20E-2-3572 C 6/20E- 6/20E-2-4056H	2NR 128	Α	CIAEII



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 277 DF 477 DATE : 01 SEP 84

C1AE11

SPEC. NUM.: F/L2702

SYSTEM : NR

SAFETY CAT: A

FUNCTION : SOURCE & INTERMEDIATE NEVTRON DETECTOR

ENVR ZONE : C 1

COMP/EQUIP: NEUTRON DETECTOR

MANUF. : WESTINGHOUSE

MODEL SUPP: WL-24159

E	NVIR	RONMEN	TV		: Q	UALIF	CATION	1:	QUALI	FICATION					: COMP
PARAMETER :	PLT	DES:	QUALIF	ICATIO	ON:	METH	HOD	:	DOCUMENT	REFERENCE	E	F	REMARKS		: NUMBER
*********					==;=			:===							: =====
TEMP DEG F :	122	MAX:	200	MAX	1	TYPE	TEST			EQUIPMENT E47A.		:REFER TO LAVIRONMENTA :NO. EQDP ESE-47A FOR			:C1AE11
RESS PSIG :	-	TO:	2		1	TYPE	TEST					PACKAGE ASSOCIATED WI	ITH THIS EQUIPM	MENT.	
REL HUMID %:	6.97		9	5	1	TYPE	TEST	2							
ACTION AND ACTION OF THE PARTY OF		E :	5.6	E06		TYPE	TEST					RADIATION DOSE BASED			
CHEM SPRAY :		1000	N	/A	1	N,	/A					: 12.5 YRS. TID PER CAL			
THE PERSON NAMED IN	SE	E :		EE ARKS	-	TYPE	TEST					:5.6E06 GAMA.	COLATION BY WE	ESTINGHOUSE.	
UAL. LIFE :				YRS.	1	TYPE	TEST	*							
SUBMERGENCE :	N/	/A :	N	/Δ	3	N,	/A								



PROJECT NUM REVISION	-	: 4391-00 : 0	СОМ		EALTH EDISON ENTIFICATION							PAGE DATE	:	278 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY		SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	S SCHEMATIC DIAGRAM,	PANEL NO	CAT.	COMPUTER NUMBER
1NRO8E	NR	JB-POWER RANGE NEUTRON DETECTR AT 135 CH I	F/L2702	WES	W/L23753						6/20E-1-3574 6/20E- 6/20E-1-4056F	1NRO26	Α	AFO5
INR 10E	NR	JB-POWER RANGE NEUTRON DETECTR AT 315 CH II		WES	W/L23753	CNT	019	RI	0330	C 1	6/20E-1-3572 6/20E- 6/20E-1-4056H	1NR058	A	C1AEO5
1NR 12E	NR	UB-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	1NR086	A	C1AEO5
1NR 14E	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	1NR118	A	C1AEO5
2NRO8E	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	2NRO26	A	C1AEO5
2NR 10E	NR	08-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	2NRO58	A	C1AEO5
2NR 12E	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	2NRO86	A	C1AEO5
2NR 14E	NR	JB-POWER RANGE NEUTRON DETECTR AT 45 CH IV		WES	W/L23753	CNT	026	WX	0399	C 1	6/20E-2-3573 6/20E- 6/20E-2-4056M	2NR118	A	C1AEO5



PROJECT NUMBER: 4391-00
REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 279 OF 477 DATE : 01 SEP 84

C1AEO5

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

PARAMETER	PLT	DES:	NTQUALIFICATION	V:	METH	OD			REFERENCE		: RI	EMARKS	: COMP : NUMBER
TEMP DEG F			420 MAX			TEST	: WES	INGHOUSE	EQUIPMENT	4	REFER TO ENVIRONMENTAL		:C1AEOS
PRESS PSIG	: 5	0 :	57	: T	YPE	TEST					PACKAGE ASSOCIATED WIT		1
	2						1						
REL HUMID %	: 1	00 :	100	: 1	YPE	TEST							
	ž	1		2			1						*
RADIATION				: 1	YPE	TEST	7						4
	REM	ARKS:		4									2 17
CHEM SPRAY	: 5	EE :	2500 PPM	: T	YPE	TEST					:CHEM SPRAY (PLT DES)	RADIATION (PLT DES)	
	: REM	ARKS:	H3B03 PH 10.	7:			2						1
OPE THE MN	: SH	ORT :	SHORT	:TES	T/AN	ALYSIS	2				:3000 PPM H3B03	4.48EO6 GAMMA	
				2							:30 % NADH	10 YRS. PLUS ACCIDENT	1
QUAL. LIFE	: 40	YRS .:	10 YRS.	:TES	T/AN	ALYSIS					:PH 8.5-10.5	TID	
	1			:			2				:.15 GPM/SQ.FT.		
SUBMERGENCE	: N	/A :	N/A	2	N/	A	8	100					100
				2			6						



PROJECT NUMI REVISION	BER	: 4391	-00	COM		EALTH EDISON (	DAT	Caraca Co	- BYR			OOD STATION 8 2)	PAGE DATE	:	280 DF 477 O1 SEP 84
EQUIPMENT NUMBER 1RH87018	SY == RH	EQU	YPE OF UIPMENT OPERATOR	PURCHASE SPEC.NO.	MFG	TYPE/MODEL SB-2-60 RLNCE CLSS F	BDG	COL	. === .	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO. 6/20E-1-3521 6/20E- 6/20E-1-4325		0588 CAT.	COMPUTER NUMBER .====================================
1RH87028	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		026	vx	0377	C 2	6/20E-2-3521 6/20E- 6/20E-2-4325	2RH033	Α	C2AA06
2RH8702B	RH	MOTOR	OPERATOR	F/L2702	LTQ	SB-2-60 RLNCE CLSS RE		026	WX	0390	C 2	6/20E-2-3523 6/20E- 6/20E-2-4325	2RH057	A	C2AAO6



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COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 281 OF 477 DATE : O1 SEP 84

C2AAO6

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

PARAMETER		BALIFICATION					RE	MARKS	: COMP : NUMBER
**********			:======						: =====
TEMP DEG F :	320 MAX:	420 MAX	: TYPE	TEST	WESTINGHOUSE	EQUIP. QUAL.	:REFER TO ENVIRONMENTAL	QUALIFICATION BINDER	: C2AA06
			:		TEST REPORT I	HO1A.	:EQDP HE-1 FOR COMPLETE	DOCUMENTATION PACKAGE	
PRESS PSIG	50 :	57	: TYPE				:ASSOCIATED WITH THIS E		
A THE PERSON NAMED IN				75					
REL HUMID %:	100 :	100	TYPE	TEST					
The second second second									,
RADIATION	1.3E06G:	1.85E08 G	TYPE	TEST					
the second secon	1.6E08B:			Trail .					
CHEM SPRAY		SEE	TYPE	TEST			CHEM SPRAY (PLT DES)	(QUALIFICATION)	
Control of the Contro	REMARKS:	REMARKS					***************************************		
OPE THE MN	Control of the Contro	INTER.	TYPE	TEST			:.15 GPM/SQ.FT. H3BO4	. 15 GPM/SQ.FT. H3B04	
or a real mix		*10150.		,			:8.5-10.5 PH	10.5 PH	2 000
QUAL. LIFE	AD VPS	5 YRS.	TEST/AN	JAI VETE				10.5 FH	
QUAL. LIFE	40 143	J 183.	. 1 L 3 1 / MI	WE 1313			The Property of the Control of the C		The second
SUBMERGENCE	8178	N/A	. N						3-0-1
SUDMENGENCE	IN/ AL	N/A	N/						*



PROJECT NUM REVISION	BER: 4391-00 : 0			Contract Contract Co.	The state of the s	DWOOD STATION 1 & 2)	PAGE DA/E	:	282 OF 477 O1 SEP 84
EQUIPMENT NUMBER	TYPE OF SY EQUIPMENT	PURCHASE SPEC.NO. MFG		BDG COL	ROW ELEV ZO	VR SCHEMATIC DIAGRAM/ NE WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
1RH87018	RH LIMIT SWITCH	and the contract of the contract of	EA18012303		RI 0390 C				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



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COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION OUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 283 OF 477 DATE : 01 SEP 84

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

		QUALIFICATION			FICATION REFERENCE	REMARKS	: COMP : NUMBER
*********				.;			
TEMP DEG F	:320 MAX	355 MAX	TYPE TEST			: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 7	: 100	100	TYPE TEST				
RADIATION	2E08	2.04E08	TYPE TEST				
CHEM SPRAY	: SEE :REMARKS	2.0000000000000000000000000000000000000	TYPE TEST			CHEM SPRAY (PLT DES)	
OPE THE MN	- The second second second second		TEST/ANALYSI	s:		:3000 PPM H3B04	
QUAL. LIFE	40 YRS.	23.4 YRS.	TEST/ANALYSI	S:		:30 % NAOH :PH 8.5-10.5 :.15 GPM/SQ.FT.	
SUBMERGENCE	N/A	N/A	N/A				3
			Strain Commence				



284 OF	CABLE NO/ O588 COMPUTER PANEL NO CAT. NUMBER ************************************	A C2AE34	A C2AE34	A C2AE34	A C2AE34	A C2AE34	A C2AE34	A C2AE34	A C2AE34	A C2AE34	A C38534
- BYRON/BRAIDWOOD STATION PAGE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO. 6/20E-1-3521 C 6/20E-1-4030 RC01 6/20E-	6/20E-1-3521 C 6/20E-1-4030 RC01 6/20E-	6/20E-1-3521 C 6/20E-1-4030 RC01 6/20E-	6/20E-1-3521 C 6/20E-1-4030 RC01 6/20E-	6/20E-1-3522 C 6/20E-1-4030 RC03 6/20E-	6/20E-1-4030 RC03 6/20E-1-4030 RC03	6/20E-1-3522 C 6/20E-1-4030 RC03 6/20E-	6/20E-1-3523 C 6/20E-1-4030 RC05 6/20E-	6/20E-1-4030 RC05 6/20E-1-4030 RC05	6/20E-1-3523 6/20E-1-4030 RC05 6/20E-	6/20F-1-3523
RON/BRAIDWOOL	LOCATION ENVR COL ROW ELEV ZONE ===	0390 C 2	0390 C 2	0390 C 2	0390 C 2	0390 C 2	0390 C 2	0390 C 2	0390 C 2	0390 C 2	0380 0 2
COMPANY - BY	BDG	CNT 014 R	CNT 012 R	ND 21204 CNT 014 R	21204 CNT 020 R	CNT 018 R	CNT 020 R	CMT 019 R	CNT 002 R	CNT 003 R	CNT 002 R
TH EDISON IFICATION	MFG TYPE/MODEL RDF DWG NO 21204 REV 10	RDF DWG ND 21204 CNT REV 10	RDF DWG ND 21204 CNT REV 10	RDF DWG ND 21204 REV 10	RDF DWG ND 21204 REV 10	RDF DWG NO 21204 CNT REV 10	RDF DWG ND 21204 CNT REV 10	RDF DWG ND 21204 REV 10	RDF DWG NO 21204 REV 10	RDF DWG ND 21204 REV 10	ROT DWG NO 21204 CNF 002
COMMONWEAL	PURCHASE TEMP F/L2702 RI	TEMP F/L2702 RI	TEMP F/L2702 RI	TEMP F/L2702 RI	TEMP F/L2702 RI	TEMP F/L2702 R	TEMP F/L2702 R	TEMP F/L2702 R	TEMP F/L2702 R	TEMP F/L2702 R	TEMP F/L2702 R
4391-00	EQUIPMENT ESSISTANCE TEMP DETECTOR	RESISTANCE TEMP DETECTOR	RESISTANCE TEMP DETECTOR	RESISTANCE TEMP DETECTOR	RESISTANCE TEMP	DETECTOR	DETECTOR	RESISTANCE TEMP DETECTOR	RESISTANCE TEMP DETECTOR	RESISTANCE TEMP DETECTOR	RESISTANCE TEMP
UMBER	2:3	S.	8	8	2	28	8	8	2	8	BC I
PROJECT NUMBER:	EQUIPMENT NUMBER 11E -410A	17E -4108	TE -411A	17E -4118	17E -420A	1TE -4208	1TE -421A	17E -4218	17E -430A	1TE -4308	17E -431A



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REVISION : O IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84

NU	IPMENT MBER	SY		NT		MFG		DDEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIA WIRING DIAGRA	M NO.	PANEL NO	CAT.	COMPUTER NUMBER
ITE -								21204						6/20E-1-3523 6/20E-1-4031 6/20E-1-4109A	RC05		A	C2AE34
ITE -	440A	RC	RESISTANCE DETECTOR	TEMP	F/L2702	RDF	DWG NO REV 10		CNT	008	R	0390	C 2	€/20E-1-3524 6/20E-1-4030 6/20E-	RCO7		A	C2AE34
1TE -	4408	RC	RESISTANCE DETECTOR	TEMP	F/L2702	RDF	DWG NO REV 10		CNT	800	R	0390	C 2	6/20E-1-3524 6/20E-1-4030 6/20E-	RCO7		A	C2AE34
17E -	441A	RC	RESISTANCE DETECTOR	TEMP	F/L2702	RDF	DWG NO REV 10		CNT	009	R	0390	C 2	6/20E-1-3524 6/20E-1-4030 6/20E-	RCO7		A	C2AE34
ITE -	441B	RC	RESISTANCE DETECTOR	TEMP	F/L2702	RDF	DWG NO REV 10		CNT	008	R	0390	C 2	6/20E-1-3524 6/20E-1-4030 6/20E-	RCO7		^	C2AE34
2TE -	410A	RC	RESISTANCE DETECTOR	TEMP	F/L2702	RDF	DWG NO	21204	CNT	028	VX	0396	C 2	6/20E-2-3521 6/20E-2-4030 6/20E-		2RC338	A	C2AE34
2TE -	4108	RC	RESISTANCE DETECTOR	TEMP	F/L2702	RDF	DWG NO	21204	CNT	028	VX	0399	C 2	6/20E-2-3521 6/20E-2-4030 6/20E-		2RC344	A	C2AE34
2TE -	411A	RC	RESISTANCE DETECTOR	TEMP	F/L2702	RDF	DWG NO	21204	CNT	028	VX	0396	C 2	6/20E-2-3521 6/20E-2-4030 6/20E-		2RC341	A	C2AE34
2TE -	4118	RC	RESISTANCE DETECTOR	TEMP	F/L2702	RDF	DWG NO	21204	CNT	028	VX	0397	C 2	6/20E-2-3521 6/20E-2-4030 6/20E-		2RC347	A	C2AE34
2TE -	420A	RC	RESISTANCE DETECTOR	TEMP	F/L2702	RDF	DWG NO	21204	CNT	028	xx	0390	C 2	6/20E-2-3522 6/20E-2-4030 6/20E-		2RC379	A	C2AE34
2TE -	4208	RC	RESISTANCE DETECTOR	TEMP	F/L2702	RDF	DWG NO	21204	CNT	029	xx	0397	C 2	6/20E-2-3522 6/20E-2-4030 6/20E-		2RC385	A	C2AE34



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 286 OF 477 REVISION IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84 EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 NUMBER SY EQUIPMENT SFEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER RC RESISTANCE TEMP F/L2702 RDF DWG NO 21204 CNT 028 XX 0390 C 2 6/20E-2-3522 C 2RC382 2TE -421A C2AE34 DETECTOR 6/20E-2-4030 RC03 6/20E-2TE -421B RC RESISTANCE TEMP F/L2702 RDF DWG NO 21204 CNT 029 XX 0397 C 2 6/20E-2-3522 C 2RC388 C2AE34 DETECTOR 6/20E-2-4030 RC05 6/20E-RC RESISTANCE TEMP F/L2702 RDF DWG NO 21204 CNT 026 XX 0396 C 2 6/20E-2-3523 2TE -430A 2RC413 C2AE34 DETECTOR 6/20E-2-4030 RC05 6/20E-2TE -430B RC RESISTANCE TEMP F/L2702 RDF DWG NO 21204 CNT 026 XX 0397 C 2 6/20E-2-3523 2RC419 C2AE34 DETECTOR 6/20E-2-4030 RC05 6/20E-2TE -431A RC RESISTANCE TEMP F/L2702 RDF DWG NO 21204 CNT 026 XX 0396 C 2 6/20E-2-3523 2RC416 C2AE34 DETECTOR 6/20E-2-4030 RC05 6/20E-2TE -4318 RC RESISTANCE TEMP F/L2702 RDF DWG NO 21205 CNT 026 XX 0401 C 2 6/20E-2-3523 2RC422 C2AE34 DETECTOR 6/20E-2-4031 RC05 6/20E-2-4109A 2TE -440A RC RESISTANCE TEMP F/L2702 RDF DWG NO 21204 CNT 026 VX 0396 C 2 6/20E-2-3524 2RC431 C2AE34 DETECTOR 6/20E-2-4030 RC07 6/20E-RC RESISTANCE TEMP F/L2702 RDF DWG NO 21204 CNT 026 VX 0397 C 2 6/20E-2-3524 2TE -440B 2RC437 C2AE34 DETECTOR 6/20E-2-4030 RC07 6/20E-2TE -441A RC RESISTANCE TEMP F/L2702 RDF DWG NO 21204 CNT 026 VX 0396 C 2 6/20E-2-3524 2RC434 C2AE34 DETECTOR 6/20E-2-4030 RC07 6/20E-2TE -441B RC RESISTANCE TEMP F/L2702 RDF DWG NO 21204 CNT 026 VX 0397 C 2 6/20E-2-3524 2RC440 C2AE34 DETECTOR 6/20E-2-4030 RC07 6/20E-



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COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 287 OF 477 DATE : 01 SEP 84

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

		UALIFICATION:			FICATION REFERENCE	1	REMARKS	: COMP : NUMBER
********		********		:	 	:		
EMP DEG F :3	120 MAX:	420 MAX	TYPE T		The state of the s		EFER TO ENVIRONMENTAL QUALIFICATION BINDER 10. EQDP-ESE-5 FOR COMPLETE DOCUMENTATION	:C2AE34
RESS PSIG :	50 :	75	TYPE T				ACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
EL HUMID %:	100 :	100	TYPE T	EST :				Party les
				- 2		100		/9L 10
	.3E07G:	4.16E07G : 8.64E06B :	TYPE T	EST :				
HEM SPRAY :	SEE :	O. 19GPM/SFT	TYPE T	EST :		: C	HEM SPRAY (PLT DES)	
PE THE MN :	The Secretary Control of the Control	PH 10.7 SHORT	TEST/ANA	LYSIS:		:3	1000 PPM H3B03	
						: 3	O % NAOH	2
JAL. LIFE :4	O YRS.:	20 YRS. :	TEST/ANA	LYSIS:		: P	H 8.5-10.5	
	2					1.	15 GPM/SQ.FT.	
JBMERGENCE :	N/A	N/A	N/A					1
2				*		2		2



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 288 OF 477 REVISION : 0 IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84

EQUIPMENT NUMBER	SY		PMEN	VT .			TYPE/MODEL	BDG	COL ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ CAE WIRING DIAGRAM NO. PAM	NEL NO	CAT.	COMPUTER NUMBER
TE-RCOO22A		COOLANT RTD'S					PN7D78 -10000-01	CNT		0390		,		Α	C2AE7B
TE-RCO022B	RC	COOLANT RTD'S	BA	PASS	F/L2906	CON	PN7D78 -10000-01	CNT		0390	C 2			Α	C24E7B
TE-RCO023A	RC	COOLANT RTD'S	ВУ	PASS	F/L2906	CON	PN7D78 - 10000-01	CNT		0390	C 2			A	C2AE7B
TE-RC0023B	RC	COOLANT RTD'S	ВУ	PASS	F/L2906	CON	PN7D78 -10000-01	CNT		0390	C 2			Α	C2AE7B
TE-RCO024A	RC	COOLANT RTD'S	ВУ	PASS	F/L2906	CON	PN7D78 -10000-01	CNT		0390	C 2			A	C2AE7B
ITE-RC0024B	RC	COOLANT RTD'S	BY	PASS	F/L2906	CON	PN7D78 -10000-01	CNT		0390	C 2			Α	C2AE7B
TE-RCOO25A	RC	COOLANT RTD'S	ВЧ	PASS	F/L2906	CON	PN7D78 - 10000-01	CNT		0390	C 2			A	C2AE7B
TE-RC0025B	RC	COOLANT RTD'S	ВЧ	PASS	F/L2906	CON	PN7D78 -10000-01	CNT		0390	C 2			Α	C2AE7B
PTE-RCOO22A	RC	COOLANT RTD'S	ВУ	PASS	F/L2906	CON	PN7D78 -10000-01	CNT		0390	C 2			A	C2AE7B
TE-RCOO22B	RC	COOLANT RTD'S	ВУ	PASS	F/L2906	CON	PN7D78 -10000-01	CNT		0390	C 2			Α	C2AE7B
TE-RCOO23A	RC	CODLANT RTD'S	ВУ	PASS	F/L2906	CON	PN7D78 -10000-01	CNT		0390	C 2			A	C2AE7B



PROJECT NUM REVISION		: 4391-00	)	COMI		EALTH EDISON ENTIFICATION	DAT		- BYR			OOD STATION & 2)	PAGE DATE	:	289 OF 477 O1 SEP 84
EQUIPMENT NUMBER 2TE-RC0023B	SY RC	EQUIP	MENT	SPEC.NO.	MFG	TYPE/MODEL	BDG	COL.	ROW .===	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER C2AE7B
2TE-RCO024A	RC	COOLANT RTD'S	BY PASS	F/L2906	CON	PN7D78 -10000-01	CNT			0390	C 2			A	C2AE7B
2TE-RC00248	RC	COOLANT RTD'S	BY PASS	F/L2906	CON	PN7D78 -10000-01	CNT			0390	C 2			Α	C2AE7B
2TE-RCO025A	RC	COOLANT RTD'S	BY PASS	F/L2906	CON	PN7D78 -10000-01	CNT			0390	C 2			A	C2AE7B
2TE-RC0025B	RC	COOLANT RTD'S	BY PASS	F/L290€	CON	PN7D78 -10000-01	CNT			0390	C 2			A	C2AE7B



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COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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C2AE78

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

ARAMETER :PLT DES:QL	ALIFICATIO	.:QUALIFICATION	: QUALIFICATION : : DOCUMENT REFERENCE :	REMARKS	: COMP
EMP DEG F : 320 :		: TYPE TEST	:CONAX DESIGN QUALIFICATION :: TEST REPORT IPS-875.	****************	: C2AE7E
RESS PSIG :50 PSIG:	70 PSIG		:CONAX DESIGN QUALIFICATION ::MATERIAL TEST REPORT IPS-325:		
TEL HUMID %: 100 :	100				
ADIATION : 2EO8 :	2.2E08				
HEM SPRAY : . 15 GPM: :/SQ.FT.:	.15 GPM/ SQ.FT.				
PE TME MN : CONT .:	CONT.		[1] : [1] :		
UAL. LIFE :40 YRS.:	40 YRS.				
UBMERGENCE: N/A	N/A				



	EVISION		: 4391-00			ID	ENTI								OOD STATION 8 2)	PAGE DATE		291 DF 477 O1 SEP 84
	NUMBER	SY	EQUIPMEN	NT	SPEC.NO.	MFG	TYPE	E/MC	DEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	NUMBER
	-413A	RC	RESISTANCE DETECTOR	TEMP	F/L2702	RDF	DWG REV	NO	21205	CNT	012	R	0390	C 2	6/20E-1-3521 6/20E-1-4031 RC13 6/20E-1-4109B	1RC352		C2AE5W
1TE	-413B	RC	RESISTANCE DETECTOR	TEMP	F/L2702	RDF	DWG REV		21205	CNT	013	R	0390	C 2	6/20E-1-3521 6/20E-1-4031 RC14 6/20E-1-4109B		A	C2AE5W
1TE	-4231	RC	RESISTANCE DETECTOR	TEMP	F/L2702	RDF	DWG REV		21205	CNT	020	R	0390	C 2	6/20E-1-3522 6/20E-1-4031 RC13 6/20E-1-4109H	1RC357	Α	C2AE5W
1TE	-4238	RC	RESISTANCE DETECTOR	TEMP	F/L2702	RDF	DWG REV		21205	CNT	018	R	0390	C 2	6/20E-1-3522 6/20E-1-4031 RC14 6/20E-1-4109A	730 30 30 30 30	A	C2AE5W
1TE	-433A	RC	RESISTANCE DETECTOR	TEMP	F/L2702	RDF	DWG REV		21205	CNT	002	R	0390	C 2	6/20E-1-3523 6/20E-1-4031 RC25 6/20E-1-41098	1RC362	A	C2AE5W
1TE	-4338	RC	RESISTANCE DETECTOR	TEMP	F/L2702	RDF	DWG REV		21205	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 DETECTOR		F/L2702	RDF	DWG REV		21205	CNT	009	R	0390	C 2	6/20E-1-3524 6/20E-1-4031 RC25 6/20E-1-4109H	1RC367	A	C2AE5W
1TE	-4438	RC	RESISTANCE DETECTOR	TEMP	F/L2702	RDF	DWG REV		21205	CNT	800	R	0390	C 2	6/20E-1-3524 6/20E-1-4031 RC28 6/20E-1-4109H	1RC403	A	C2AE5W
2TE	-413A	RC	RESISTANCE DETECTOR	TEMP	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	-4138	RC	RESISTANCE DETECTOR	TEMP	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	Α	C2AE5W
2TE	-423A	RC	RESISTANCE DETECTOR	TEMP	F/L2702	RDF	DWG	NO	21205	CNT	028	ХХ	0390	C 2	6/20E-2-3522 6/20E-2-4031 RC13 6/20E-2-4109H	2RC357	A	C2AE5W



	ROJECT NUM EVISION	_	: 4391-00		СОМ			FICAT				- BYE			WOOD STATION	PAGE DATE		292 OF 477 O1 SEP 84
-	QUIPMENT NUMBER	SY		NT		MFG	TYPE	E/MOD	EL	BDG	COL	ROW	ELEV	ZONE	S SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
	-4238														6/20E-2-3522 6/20E-2-4031 RC14 6/20E-2-4109A	2RC393	A	C2AE5W
2TE	-433A	RC	RESISTANCE DETECTOR	TEMP	F/L2702	RDF	DWG	NO 2	1205	CNT	026	хх	0390	C 2	6/20E-2-3523 6/20E-2-4031 RC25 6/20E-2-4109B	2RC362	Α	C2AE5W
2TF	-4338	RC	RESISTANCE DETECTOR	TEMP	F/L2702	RDF	DWG	NO 2	1205	CNT	025	XX.	0393	C 2	6/20E-2-3523 6/20E-2-4031 RC28 6/20E-2-4109A	2RC398	Α	C2AE5W
218	-443A	RC	RESISTANCE DETECTOR	TEMP	F/L2702	RDF	DWG	NO 2	1205	CNT	026	VX	0393	C 2	6/20E-2-3524 6/20E-2-4031 RC25 6/20E-2-4109H	2RC367	^	C2AE5W
2TE	-4438	RC	RESISTANCE DETECTOR	TEMP	F/L2702	RDF	DWG	NO 2	1205	CNT	025	vx	0401	C 2	6/20E-2-3524 6/20E-2-4031 RC28 6/20E-2-4109H	2RC403	A	C2AE5W





COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2) PROJECT NUMBER: 4391-00 REVISION : 0

CZAESW

PAGE

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

ENVIRONMENT GUALIFICATION: PLT DES: QUALIFICATION:	ATION : REMA	REMARKS	: COMP :
TEMP DEG F :320 MAX: 420 MAX : TYPE TEST :WESTINGHOUSE EQ	IPMENT QUAL.		CZAESW
PRESS PSIG : 50 : 75 : TYPE TEST : TEST REPORT EOSA	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	LETE DOCUMENTATION THIS EQUIPMENT.	
REL HUMID X: 100 : 100 : TYPE TEST	T.P QUALIFIED FOR 2.4E08G	980	
RADIATION :1.3E07G: SEE : TYPE TEST :	Cable Qualified for 1.15EOSG/9.23EOSB	5£086/9.23£08B	
CHEM SPRAY : SEE : 0. 196PM/SQ.FT: TYPE TEST :	SPRAY (PL		
OPE THE MN :4 MONTH: 4 MONTHS : TEST/ANALYSIS:	3000 PPM H3B03		
QUAL. LIFE : 40 YRS.: 10 YRS. : TEST/ANALYSIS:	30 % NACH		
SUBMERGENCE: N/A :: N/A ::			

PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 294 OF 477 REVISION : 0 IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84

EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER NUMBER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER

ASSEMBLIES

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

A C3AF36

PROJECT NUMBER: 4391-00 REVISION : 0 COMMONWEALTH EDISON COMPANY - BYRON/3RAIDWOOD STATION
QUALIFICATION DATA SHEET (UNITS 1 & 2)

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C3AF36

SPEC. NL ..: 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

ARAMETER :PLT DES:Q	UALIFICATION	The second secon	The state of the s	DOCUMENT	REFERENCE		REM	MARKS	: COMP : NUMBER
EMP DEG F :320 MAX:	420 MAX	TYPE		The second secon	EQUIPMENT QU		ENVIRONMENTAL	QUAL. PACKAGE ETE DOCUMENTATION	:C3AF3
RESS PSIG : 44 :	70	TYPE		, acroar	11704.			THIS EQUIPMENT.	
EL HUMID %: 20-70 :	100	TYPE	TEST :						
ADIATION : 1.3E07G:	2.04E08G	: TYPE	TEST :						
:1.6E08B:		:							
HEM SPRAY : SEE : : REMARKS:	SEE REMARKS	: N/	Α :			:CHEM SPI	RAY (PLT DES)	QUALIFICATION	
PE TME MN : CONT. :	CONT.	TYPE	TEST :			:3000 PPM		2500 PPM H3B03	
UAL. LIFE :40 YRS.:	5.14 YRS.	TYPE	TEST :			:30% NAOH :8.5-10.5	5 PH	.88% NAOH 10.5 PH	
UBMERGENCE: N/A	N/A	. N/	Α :			:.15 GPM/	SQ.FT.	1.33 GPM/SQ.FT.	



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EQUIPMENT NUMBER	SY	TYPE EQUIPM				TYPE/MODEL	BDG	COL	ATION ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER
1RY8000A	RY	MOTOR OPE	RATOR	F/L2702	LTQ	SB-00-15 RLNCE CLSS F		007	RO	0409		6/20E-1-3554 6/20E- 6/20E-1-4738A	1RY002	A	C5AAO7
1RY8000B	RY	MOTOR OPE	RATOR	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 OPE	RATOR	F/L2702	LTQ	SB-00-15 RLNCE CLSS RI		025	VX	0465	C 5	6/20E-2-3554 6/20E- 6/20E-2-4738A	2RY002	A	C5AAQ7
2RY8000B	RY	MOTOR OPE	RATOR	F/L2702	LTQ	SB-00-15 RLNCE CLSS RI		025	VX	0465	C 5	6/20E-2-3554 6/20E- 6/20E-2-4738A	2RY007	A	C5AA07



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COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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C5AAO7

SPEC. NUM.: F/L2702

SYSTEM : RY

SAFETY CAT: A

FUNCTION : CONTAINMENT ISOLATION

ENVR ZONE : C 5

COMP/EQUIP: MOTOR OPER. TED VALVE ACTUATOR

MANUF. : LIMITORQUE/RELIANCE

MODEL SUPP: SB-00-15

PARAMETER			ALIFICATION				:	DOCUMENT	REFEREN	CE	: RE	MARKS	: COMP : NUMBE
	. ===:			=;==			:===				; =====================================	*****************	
TEMP DEG F	320	MAX:	420 MAX	1	TYPE	TEST			EQUIPMENT HO1A.	-	:REFER TO ENVIRONMENTAL :EQDP HE-1 FOR COMPLETE		:C5AAO
PRESS PSIG	50	) :	57	4	TYPE	TEST					:ASSOCIATED WITH THIS E		
REL HUMID %	10	00 :	100		TYPE	TEST							
		07G:	1.85E08G		TYPE	TEST							
CHEM SPRAY	: SE	The state of the s	SEE REMARKS		TYPE	TEST					CHEM SPRAY (PLT DES)	(QUALIFICATION)	
DPE TME MN		porter and the second	INTER.	TE	ST/AN	NALYSIS					:.15 GPM/SQ.FT. H3B04	.15 GPM/SQ.FT. H3BO4	
OUAL. LIFE	:40 \	RS.:	5 YRS.	: TE	ST/AN	NALYSIS					:8.5-10.5 PH	10.5 PH	
UBMERGENCE	: N/	'A :	N/A	:	N/	/A							1



PROJECT NUM REVISION		: 4391		СОМ	IDI	EALTH EDISON ENTIFICATION	DAT	ANY A S	- BY	(UN	RAIDW		PAGE DATE		298 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	T EQ	YPE OF UIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	LOC	ATIO	ELEV	ENVR ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER
1RY455A				. ========	. ===		. ===	. ===	. ===		. ====				. =========
1R1455A	KT	LIMIT	SWITCH	F/L2/02	NAM	EA180XX302	CNI	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-		Α	C5AD16
1RY456	RY	LIMIT	SWITCH	F/L2702	NAM	EA180XX302	CNT	007	RI	0458	c 5	6/20E-		Α	C5AD16
1RY456	RY	LIMIT	SWITCH	F/L2702	NAM	EA180XX302	CNT	007	RI	0458	C 5	6/20E-		Α	C5AD16
2RY455A	RY	LIMIT	SWITCH	F/L2702	NAM	EA180XX302	CNT	025	vx	0463	C 5	6/20E-		Α	C5AD16
2RY455A	RY	LIMIT	SWITCH	F/L2702	NAM	EA180XX302	CNT	025	vx	0463	C 5	6/20E-		Δ	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-		Δ	C5AD16



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COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 299 DF 477 DATE : 01 SEP 84

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

ARAMETER :							ICATION HOD			FICATION REFERENC	E		REMARKS		COMP UMBER
EMP DEG F :	320	MAX:	420	MAX	. 1	TYPE	TEST	WES	TINGHOUSE	FOULDMENT	OHAL	DEFED TO ENVION	MENTAL QUALIFICATION		5AD 16
								TES	T REPORT	HO3A/HO6A	WUML.	FODD-HE-3/6 FOD	COMPLETE DOCUMENTATION	N DACKAGE	SAUTO
RESS PSIG :	50		57	,	: 1	TYPE	TEST			TOOM, TOOK.		:ASSOCIATED WITH		N PACKAGE:	
					:								Trans Education		
EL HUMID %:	10	0 :	10	00	: 1	TYPE	TEST								
DIATION :	2E	08 :	2.04	EO8	: 1	TYPE	TEST	1							
		- :			2			:							
HEM SPRAY :	SE	E :	1.33	GPM	: 1	TYPE	TEST	:				CHEM SPRAY (PLT	DES)		
31	REMA	RKS:	10.5	PH	2			i de				:			
PE THE MN :	CON	T. :	CON	IT.	:TES	ST/AI	NALYSIS					:3000 PPM H3B04			
1					1							:30% NAOH			
UAL. LIFE :	40 Y	RS.:	4.95	YRS.	:TES	ST/AI	NALYSIS	:				:PH 8.5-10.5			
					1			:				:. 15 GPM/SQ.FT.			
UBMERGENCE :	N/	A :	N/A			N,	/A	:				:			
					3			:							



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 300 OF 477 REVISION IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84 EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER NUMBER 1RY455A RY SOLENOID F/L2702 ASC NP831654E CNT 007 RI 0462 C 5 6/20E-C5AD17 1RY455A RY SOLENOID F/L2702 ASC NP831654E CNT 007 RI 0462 C 5 6/20E-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-C5AD17 2RY455A RY SOLENOID F/L2702 ASC NP831654E CNT 025 VX 0463 C 5 6/20E-C5AD17 2RY455A RY SOLENOID F/L2702 ASC NP831654E CNT 025 VX 0463 C 5 6/20E-C5AD17 2RY456 RY SOLENOID F/L2702 ASC NP831654E CNT 029 VX 0463 C 5 6/20E-C5AD17 2RY456 RY SOLENOID F/L2702 ASC NP831654E CNT 029 VX 0463 C 5 6/20E-C5AD17



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COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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C5AD17

SPEC. NUM.: F/L2702

SYSTEM : RY

SAFETY CAT: A

FUNCTION : PRESSURIZER RELIEF VALVE

ENVR ZONE : C 5

COMP/EQUIP: SOLENDID OPERATED VALVE

MANUF. : ASCO

MODEL SUPP: NP831654E

PARAMETER		DES:		FICATIO	9, 17, 1999	100000000000000000000000000000000000000	CATION	The second secon			REMARKS	: COMF
TEMPARE P	:320	MAX:	4	20 MAX	:	TYPE		:WESTINGHOUSE :HO2A/HO5A.			NVIRONMENTAL QUALIFICATION BINDER E-2/5 FOR COMPLETE DOCUMENTATION	
PRESS PSIG	: 5	0 :		57		TYPE					SOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	. 1	00 :		100	1	TYPE	TEST					
RADIATION	: 2	E08 :	2.	05E08	:	TYPE	TEST					
The second secon	: S	EE :	17.7	33GPM		TYPE	TEST			CHEM SPRAY	(PLT. DES.)	
DPE TME MN	: SH	ORT :		ONT.		TYPR	TEST			:3000 PPM H3		
QUAL. LIFE	:40	YRS.:	24.	9 YRS.	: TE	ST/AN	MALYSIS			. 15 GPM/SQ.	.FT.	
SUBMERGENCE	: N	/A :		N/A	1	N/	A					



PROJECT NUMBER REVISION		: 0				ENTIFICATION						OOD STATION & 2)	PAGE DATE	:	302 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY		YPE OF UIPMENT		MFG	TYPE/MODEL	BDO	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
1009416	СС	MOTOR	OPERATOR			SMB-00-10 RLNCE CLSS	CN					6/20E-1-3524 6/20E- 6/20E- 6/20C-1-4324	1CC124	Α	C6AA 10
1009438	cc	MOTOR	OPERATOR	F/L2702	LTQ	SMB-OO-15 RLNCE CLSS TYPE LR		007	RO	0394	C 6	6/20E-1-3524 6/20E- 6/20E-1-4324	10035	Α	C6AA10
1CV8112	cv	MOTOR	OPERATOR	F/L2702	LTQ	SMB-OO-10 RLNCE CLSS TYPE LR		005	RO	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 TYPE LR		007	RO	0380	C 6	6/20E-1-3514 6/20E- 6/20E-1-4324	1RH024	Δ	C6AA10
RH8702A	RH	MOTOR	OPERATOR	F/L2702	LTQ	SB-2-60 RLNCE CLSS TYPE LR		004	RO	0380	C 6	6/20E-1-3513 6/20E- 6/20E-1-4324	1RH045	A	C6AA10
S18808A	SI	MOTOR	OPERATOR	F/L2702	LTQ	SBD-3-150 RLNCE CLSS TYPE LR		014	RO	0414	C 6	5/20E-1-3541 6/20E- 6/20E-1-4324	151087	Δ	C6AA 10
S18808B	SI	MOTOR	OPERATOR	F/L2702	LTQ	SBD-3-150 RLNCE CLSS TYPE LR		018	RO	0414	C 6	6/20E-1-3542 6/20E- 6/20E-1-4325	151098	A	C6AA10
S18808C	SI	MOTOR	OPERATOR	F/L2702	LTQ	SBD-3-150 RLNCE CLSS TYPE LR		004	RO	0414	C 6	6/20E-1-3543 6/20E- 6/20E-1-4325	151109	A	C6AA 10
IS18808D	SI	MOTOR	OPERATOR	F/L2702	LTQ	SBD-3-150 RLNCE CLSS TYPE LR		009	RO	0414	C 6	6/20E-1-3544 6/20E- 6/20E-1-4324	151121	Α	C6AA 10
2CC9416	СС	MOTOR	OPERATOR	F/L2702	LTQ	SMB-00-10 RLNCE CLSS		026	SX	0390	C 6	6/20E-2-3524 6/20E- 6/20E-2-4324	2CC124	A	C6AA10
2CC9438	СС	MOTOR	OPERATOR	F/L2702	LTQ	SMB-00-15 RLNCE CLSS		024	vx	0390	C 6	6/20E-2-3524 6/20E- 6/20E-2-4324	2CC035	Α	C6AA10



PROJECT NUMB	BER	: 4391	-00	COM		EALTH EDISON ENTIFICATION			- BYF			OOD STATION & 2)	PAGE DATE	:	303 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY		YPE OF UIPMENT	PURCHASE SPEC.NO.			BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
2CV8112	cv	MOTOR	OPERATOR	F/L2702	LTQ	SMB-00-10 RLNCE CLSS	CNT			0390			2CV040	A	C6AA 10
2RH8701A	RH	MOTOR	OPERATOR	F/L2702	LTQ	SB-2-60 RLNCE CLSS		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		024	xx	0377	C 6	6/20E-2-3513 6/20E- 6/20E-2-4324	2RH045	A	C6AA10
2S18808A	SI	MOTOR	OPERATOR	F/L2702	LTQ	SBD-3-150 RLNCE CLSS	1000000	029	VX	0412	C 6	6/20E-2-3541 6/20E- 6/20E-2-4324	251087	A	C6AA10
2518808B	SI	MOTOR	OPERATOR	F/L2702	LTQ	SBD-3-150 RLNCE CLSS		029	xx	0412	C 6	6/20E-2-3542 6/20E- 6/20E-2-4325	251098	Α	C6AA 10
2S18808C	SI	MOTOR	OPERATOR	F/L2702	LTQ	SBD-3-150 RLNCE CLSS		025	XX	0412	C 6	6/20E-2-3543 6/20E- 6/20E-2-4325	251109	A	C6AA10
2S18808D	SI	MOTOR	OPERATOR	F/L2702	LTQ	SBD-3-150 RLNCE CLSS		025	ux	0412	C 6	6/20E-2-3544 6/20E- 6/20E-2-4324	251121	Α	C6AA10



PROJECT NUMBER: 4391-00

REVISION : O

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 8 2)

PAGE : 304 NF 477

DATE : 01 SEP 84

CGAA 10

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

PARAMETER :					: QUAL 1			REMARKS	: COMP : NUMBER
			;		:==========				
TEMP DEG F	320 MAX:	420 MAX	: TYPE					NTAL QUALIFICATION BINDER LETE DOCUMENTATION PACKAGE	: C6AA10
PRESS PSIG :	50 :	57	: TYPE	TEST			: ASSOCIATED WITH TH		
						JIO ATTACHMENT C		13 EQUIT MENT	
REL HUMID %:	100 :	100	: TYPE			05/02/84 TO NRC.	-		
RADIATION	1.3E06G:	1.85E08 G	TYPE	TECT					-
	1.6E08B:	1.65E06 G	: ITEL	1531					
CHEM SPRAY	SEE :	SEE	: TYPE	TEST			CHEM SPRAY (PLT DE	S) (QUALIFICATION)	
OPE THE MN :	Charles and a second and a second	INTER.	:TEST/AN	AL VSTS			:.15 GPM/SQ.FT. H3B	04 . 15 GPM/SQ.FT. H3804	
		***********					:8.5-10.5 PH		
QUAL. LIFE :	40 YRS.:	5 YRS.	:TEST/AN	ALYSIS			:	10.5 FR	
SUBMERGENCE:	N/A :	N/A	: N/	A					
			*						



REVISION		0	-00	COMI		EALTH EDISON ENTIFICATION							PAGE DATE	:	305 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	EQ	YPE OF UIPMENT		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
OGO57A				F/L2884		SMB-000-5 RLNCE CLSS H	CNT					6/20E-1-3514 6/20E- 6/20E-1-4324	10G093	A	C6AA12
0G079	OG	MOTOR	OPERATOR	F/L2884	LTQ	SMB-000-5 RENCE CLSS H		010	xx	0403	C 6	5/20E- 6/20E- 6/20E-1-4325	10G156	Α	C6AA12
0G080	OG	MOTOR	OPERATOR	F/L2884	LTQ	SMR-000-5 RLNCE CLSS H		010	××	0403	C 6	6/20E- 6/20E- 6/20E-1-4325	10G162	Α	C6AA12
0G08 1	og	MOTOR	OPERATOR	F/L2884	LTQ	SMB-000-5 RLNCE CLSS H		012	vx	0395	C 6	6/20E-1-3524 6/20E- 6/20E-1-4324	10G167	A	C6AA12
OGO57A	OG	MOTOR	OPERATOR	F/L2884	LTQ	SMB-000-5 RLNCE CLSS H		024	wx	0377	C 6	6/20E-2-3514 6/20E- 6/20E-2-4324	20G093	Α	C6AA12
0G079	OG	MOTOR	OPERATOR	F/L2884	LTQ	SMB-000-5 RLNCE CLSS H		024	XX	0403	C 6	6/20E-2-3533 6/20E- 6/20E-2-4325	20G156	Δ	C6AA12
0G080	OG	MOTOR	OPERATOR	F/L2884	LTQ	SMB-000-5 RLNCE CLSS H		024	X.C	0403	C 6	6/20E-2-3533 6/20E- 6/20E-2-4325	20G162	A	C6AA12
0G08 1	OG	MOTOR	OPERATOR	F/L2884	LTQ	SMB-000-5 RLNCE CLSS H		024	vx	0395	C 6	6/20E-2-3524 6/20E- 6/20E-2-4324	20G167	Α	C6AA12



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 306 OF 477

DATE : O1 SEP 84

CGAA12

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

ARAMETER :PLT DES:QUALIFICATION:	METHOD	N: QUALIFICATION : DOCUMENT REFERENCE	: REMARKS	: COMP : NUMBER
FUD OFO F			*:*********************************	
EMP DEG F : 320 : 320 :	TYPE TEST	:LIMITORQUE REP. NO. BOO58, :O1/11/80 & APPENDIX C OF	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BBO28 FOR COMPLETE DOCUMENTATION	: C6AA12
RESS PSIG : 50 : 70 :	TYPE TEST		PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	J.
EL HUMID %: 100 : 100/STEAM :	TYPE TEST			
ADIATION :2EOBRAD: 2.04EOB RADS:	TYPE TEST			
HEM SPRAY : . 19GPM/: 1.2 GPM/SQ.FT:	TYPE TEST	: : : : : : : : : : : : : : : : : : :		
: 10.5 PH: 8.5-10.5PH : PE TME MN :INTER- : INTERMITANT :	TYPE TEST			
:MITANT : DAYS :				
JAL. LIFE : 40 YRS : 40.0 YRS :	TYPE TEST		:40 YEARS LIFE IS BASED UPON THE LUBRICATION	
			PROCEDURE IN APPENDIX A OF REPORT BOOSB.	
JBMERGENCE: N/A : N/A :	N/A			



PROJECT NUM REVISION	MBER: 4391-00 : 0		NWEALTH EDISON IDENTIFICATION				700000000000000000000000000000000000000		00D STATION 8 2)	PAGE DATE	:	307 OF 477 O1 SEP 84
EQUIPMENT NUMBER	TYPE OF SY EQUIPMENT	PURCHASE SPEC.NO. M	FG TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
1PS9354A	PS SOLENOID	F/L2702 A	SC NP8320A183E				0383		6/20E-1-3514 6/20E- 6/20E-1-4552C	1PSO49	A	C6ACO3
1PS9355A	PS SOLENOID	F/L2702 A	SC NP8320A183E	CNT	012	vx	0383	C 6	6/20E-1-3514 6/20E- 6/20E-1-4552C	1PS062	A	C6ACO3
1PS9356A	PS SOLENOID	F/L2702 A	SC NP8320A183E	CNT	012	vx	0383	C 6	6/20E-1-3514 6/20E- 6/20E-1-4552D	1PS075	A	C6ACO3
1PS9357A	PS SOLENOID	F/L2702 A	SC NP8320A183E	CNT	012	VX	0383	C 6	6/20E-1-3514 6/20E- 6/20E-1-4552D	1PS088	Α	C6ACO3
1RY8026	RY SOLENOID	F/L2702 A	SC NP8320A183E	CNT	006	RO	0397	C 6	6/20E-1-3534 6/20E- 6/20E-1-4842B	1RY276	Α	C6ACO3
2PS9354A	PS SOLENOID	F/L2702 A	SC NP8320A183E	CNT	024	VX	0377	C 6	6/20E-2-3514 6/20E- 6/20E-2-4552C	2PSO49	Α	C6ACO3
2PS9355A	PS SOLENOID	F/L2702 A	SC NP8320A183E	CNT	024	vx	0377	C 6	6/20E-2-3514 6/20E- 6/20E-2-4552C	2PS062	Α	C6AC03
2PS9356A	PS SOLENOID	F/L2702 A	SC NP8320A183E	CNT	024	vx	0377	C 6	6/20E-2-3514 6/20E- 6/20E-2-4552D	2PS075	Α	C6ACO3
2PS9357A	PS SGLENOID	F/L2702 A	DC NP8320A183E	CNT	024	VX	0377	C 6	6/20E-2-3514 6/20E- 6/20E-2-4552D	2PS088	Α	C6ACO3
2RY9026	RY SOLENOID	F/L2702 A	SC NP8320A183E	CNT	024	wx	0401	C 6	6/20E-2-3534 6/20E- 6/20E-2-4842B	2RY276	Δ	C6ACO3



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 308 OF 477

DATE : 01 SEP 84

C6ACO3

SPEC. NUM.: F/L2702

SYSTEM : PS.RY

SAFETY CAT: A

FUNCTION : CONTAINMENT ISOLATION

ENVR ZONE : C 6

COMP/EQUIP: SC! ENOID OPERATED VALVE

MANUF. : ASC

MODEL SUPP: NP8320A183E

			JALIFICATION	: ME	THOD	The Part of Part of the Part o		 : REMARKS	: COMP : NUMBE	R:
TEMP DEG F	:320	MAX:			ETEST		QUAL. TEST	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQDP HE-2/5 FOR COMPLETE DOCUMENTATION	:C6ACO	- 7
PRESS PSIG	: 50	: 0	57	TYP				PACKAGE ASSOCIATED WITH THIS EQUIPMENT.		
REL HUMID 9	6: 10	00 :	100	TYP	ETEST					
RADIATION	: 21	E08 :	2.05E08	: TYP	ETEST					
CHEM SPRAY	: SI	EE :	1.33GPM	: TYP	TEST			: CHEM SPRAY (PLT. DES.)		
OPE THE MN		ARKS:	PH10.5 CONT.	: TYP	TEET			:		:
	1							:3000 PPM H3B04 :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	: 1	N/A					-



PROJECT NUM REVISION	BER	: 4391-00 : 0	COM		EALTH EDISON ENTIFICATION							PAGE DATE	:	309 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.		TYPE/MODEL						SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
1CV816G	cv	SOLENOID	F/L2702	ASC	NP831654E	CNT	004	RO	0389	C 6	6/20E-1-3523 6/20E- 6/20E-1-4848P	1CV479	Α	C6ACO8
1RE 1003	RE	SOLENOID	F/L2702	ASC	NP831654E	CNT	012	RO	0385	C 6	6/20E-1-3511 6/20E- 6/20E-1-4439	1REO27	A	C6AC08
1RE 1003	RE	SOLENOID	F/L2702	ASC	NP831654E	CNT	012	RO	0385	C 6	6/20E-1-3511 6/20E- 6/20E-1-4439	1RE033	Α	C6AC08
1RE9159A	RE	SOLENOID	F/L2702	ASC	NP831654E	CNT	007	RO	0380	C 6	6/20E-1-3514 6/20E- 6/20E-1-4841A	1REO49	Α	C6ACO8
1RE9160A	RE	SOLENOID	F/L2702	ASC	NP831654E	CNT	007	RO	0378	C 6	6/20E-1-3514 6/20E- 6/20E-1-4841A	1RE063	Α	C6AC08
1RY8030	RY	SOLENOID	F/L2702	ASC	NP831654E	CNT	011	RO	0391	C 6	6/20E-1-3521 6/20E- 6/20E-1-4842A	1RY288	Α	C6AC08
1SI8145	cv	SOLENOID	F/L2702	ASC	NP831654E	CNT	016	RO	0414	C 6			Α	C6ACO8
1SI8843	SI	SOLENOID	F/L2702	ASC	NP831654E	CNT	006	RO	0397	C 8			Α	C6AC08
1SI8871	SI	SOLENOID	F/L2702	ASC	NP831654E	CNT	007	RO	0378	c 6	6/20E-1-3514 6/20E- 6/20E-1-4841A	151292	Α	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	Α	C6AC08
2RE 1003	RE	SOLENOID	F/L2702	ASC	NP831654E	CNT	028	UX	0388	C 6	6/20E-2-3511 6/20E- 6/20E-2-4439	2RE033	Α	C6AC08



PROJECT NUM REVISION	MBER: 4391-00 : 0	COM	MONWEALTH EDISON IDENTIFICATION		SHEET	CON/BRAIDY (UNITS	NOOD STATION	PAGE DATE	:	310 OF 477 O1 SEP 84
EQUIPMENT NUMBER	TYPE OF SY EQUIPMENT	PURCHASE SPEC.NO.	MFG TYPE/MODEL	BDG CO	DL ROW	ELEV ZONE	S SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
2RE 1003	RE SOLENOID	F/L2702	ASC NP831654E				6/20E-2-3511 6/20E- 6/20E-2-4439	2RE033	A	C6AC08
2RE9159A	RE SOLENOID	F/L2702	ASC NP831654E	CNT O	25 VX	0377 C 6	6/20E-2-3514 6/20E- 6/20E-2-4841A	2RE049	A	C6ACO8
2RE9160A	RE SOLENOID	F/L2702	ASC NP831654E	CNT O	25 VX	0377 C 6	6/20E-2-3514 6/20E- 6/20E-2-4841A	2RE063	A	C6AC08
2RY8030	RY SOLENDID	F/L2702	ASC NP831654E	CNT O	28 SX	0390 C 6	6/20E-2-3521 6/20E- 6/20E-2-4842A	2RY288	Α	C6AC08
2SI8145	CV SOLENOID	F/L2702	ASC NP831654E	CNT O	16 RO	0414 C 6			Α	C6AC08
2518843	SI SOLENOID	F/L2702	ASC NP831654E	CNT O	06 RO	0397 C 6			Α	C6AC08
2518871	SI SOLENOID	F/L2702	ASC NP831654E	CNT O	24 UX	0377 C 6	6/20E-2-3514 6/20E- 6/20E-2-4841A	251293	Α	C6AC08



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 311 OF 477

DATE : O1 SEP 84

C6ACO8

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

PARAMETER	PLT	DES:	NT QUALIFICATION	1: M	ETHOD	DOCUMENT	REFERENCE		: REMARKS	: COMP : NUMBER	₹:
TEMP DEG F					PE TEST		QUAL. TEST	REP.	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQDP HE-2/5 FOR COMPLETE DOCUMENTATION	:C6ACO	
PRESS PSIG	: 5	0 :	57	: TY	PE TEST				PACKAGE ASSOCIATED WITH THIS EQUIPMENT.		
				1						1	*
REL HUMID %	: 1	00 :	100	: TY	PE TEST					1	:
											:
RADIATION	: 2	E08 :	2.05E08	: TY	PE TEST	3 7 4 7 1 1 1 1 1				4	1
				1						1	Ž.
CHEM SPRAY	: S	EE :	1.33GPM	: TY	PE TEST				:CHEM SPRAY (PLT. DES.)	3	:
	REM	ARKS:	PH10.5	1							:
OPE THE MN	: SH	DRT :	CONT.	: TY	PR TEST				:3000 PPM H3B04		*
				4		to the second			:30 % NAOH PH 8.5-10.5	1	:
QUAL. LIFE	:40	YRS.:	24.9 YRS.	:TEST	/ANALYSIS				:.15 GPM/SQ.FT.		1
				1						2	;
SUBMERGENCE	: N	/A :	N/A	-	N/A					4	*
	1			1						:	5



PROJECT NUM	MBER	: 4391-00 : 0	COM		EALTH EDISON ENTIFICATION	DAT		- BYF	The same of the sa		OOD STATION & 2)	PAGE DATE	:	312 OF 477 O1 SEP 84
EQUIPMENT NUMBER 1VQOO4A	SY = . = = VQ	The second secon	PURCHASE SPEC.NO.	MFG .===	TYPE/MODEL 	BDG	COL	. ===	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO. .===================================	CABLE NO/ PANEL NO 1VQ147	0588 CAT.	COMPUTER NUMBER CGAC10
1VQ005A	vo	SOLENOID	F/L2884	ASC	NP-831654E	CNT	012	vx	0467	C 6	6/20E-1-4536A 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	C64C10



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 313 OF 477 DATE : 01 SEP 84

C6AC10

SPEC. NUM.: F/L2884

SYSTEM : VQ

SAFETY CAT: A

FUNCTION : CONTAINMENT ISOLATIION

ENVR ZONE : C 6

COMP/EQUIP: SOLENOID OPERATED VALVE

MANUF . : ASCO

MODEL SUPP: NP831654E

	PLT DES		FICATION	Company of the contract of	METH	CATIO	: QUALI	FICATION REFERENCE	: REMARKS	: COMP : NUMBER
END DEC E	220			-:		TECT	ACOD TECT OF			
EMP DEG F	320	3	348		APE	TEST	:ASCO TEST RE		REFER TO ENVIRONMENTAL QUALIFICATION BINDER	: C6AC10
RESS PSIG	50		66		VDE	TECT	:6/368, REV.O,	DATED 03-02-82.	:NO. EQ-BB026 FOR COMPLETE DOCUMENTATION	
KESS PSIG	. 50		96	3	THE	TEST			:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
EL LILIMATES W			0/67544		VDE	TECT				
L HUMID %	100	. 10	OO/STEAM		YPE	TEST				
DIATION	2500		05505		DE	****				
ADIATION	2E08	2.	.05E08	3 1	PE	TEST				
ICM CDDAY			DH/60 F		VAF	****				
HEM SPRAY				1: 1	APE	TEST				4
	PH 10.5		1 10.5							
PE THE MN	SHURT		CONT.	3 1	YPE	TEST				
JAL. LIFE	:40 YRS	: 40	O.O YRS	1	YPE	TEST			:40 YEARS LIFE IS BASED UPON REPLACING THE	
inimenaturas							:		:ELASTOMERS & SOLENOID COILS BASED ON AMBIENT	3
UBMERGENCE	N/A		N/A	. 1	N/	A			:TEMPERATURE.	



PROJECT NUM	BER:	4391-00	COMM			DAT		- BYR	2000		OOD STATION 8 2)	PAGE DATE	:	314 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT				BDG	COL		ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
1RF026	RF S	SOLENOID	F/L2795	ASC	NP8320A184E		012		0390		6/20E-1-3524 6/20E- 6/20E-1-4847	1RF027	A	C6AC15
2RF026	RF S	SOLENOID	F/L2795	ASC	NP8320A184E	CNT	026	SX	0390	C 6	6/20E-2-3524 6/20E- 6/20E-2-4847	2RF027	A .	C6AC15



PROJECT NUMBER: 4391-00
REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
QUALIFICATION DATA SHEET (UNITS 1 & 2)

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CGAC15

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

AMETER :PLT DES:QUALIFICATION		CATION	: QUALIFICATION : DOCUMENT REFERENCE	: REMARKS	: COMP : NUMBER
	; ======				
P DEG F : 320 : 348	: TYPE		:ASCO TEST REPORT NO. AQR :67368,REV.O,DATED 03-02-82.	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BB026 FOR COMPLETE DOCUMENTATION	:C6AC15
SS PSIG : 50 : 56	: TYPE	TEST		:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
HUMID %: 100 : 100	: TYPE	TEST			
					- 1
IATION : 2E08 : 2.05E08	: TYPE	TEST			
	1				
M SPRAY : .19 GPM:0.7 GPM/SQ.FT	TYPE	TEST			
	TURE				
TME MN : SHORT : CONT.	: TYPE	TEST			
		4.5			
L. LIFE :40 YRS.: 40 YRS.	: TYPE	TEST		:40 YEARS LIFE IS BASED UPON REPLACING THE	
	2			:ELASTOMERS & SOLENOID COILS DEPENDING ON	
MERGENCE: N/A : N/A	: N	A		:AMBIENT TEMPERATURE.	



PROJECT NUME REVISION	BER	: 4391-00 : 0	COM		ENTIFICATION	DAT		- BYR			00D STATION & 2)	PAGE DATE	:	316 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT				BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NC.	PANEL NO		COMPUTER NUMBER
11A066		SOLENOID									6/20E-1-3523 6/20E- 6/20E-1-4848P	11A019	A	C6AC16
21A066	IA	SOLENOID	F/L2794-1	ASC	NP8320A187E	CNT	024	XX	0390	C 6	6/20E-2-3523 6/20E- 6/20E-2-4848P	2IAO19	A	C6AC16



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COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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CGAC16

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

ARAMETE	GOV BY WIND		ONMENT DES: QL	JALIFICATIO			CATION	DOCUMENT	REFERENCE	: REMARKS	: COMP : NUMBER
END DEC	-				:-						
EMP DEG		32	0 :	348		TYPE		67368 REV O	PORT NO. AQR	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EO-BBO26 FOR COMPLETE DOCUMENTATION	: C6AC16
RESS PS	IG :	50		56	- :	TYPE			00 02 02.	PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
					- 1						
EL HUMI	D %:	10	0 :	100/STEAM	M :	TYPE	TEST				
											1
DIATIO	N :	2E	08 :	2.05E08		TYPE	TEST				2
											:
EM SPR	AY :	. 190	PM/:0.	7 GPM/SQ.I	FT:	TYPE	TEST				
		PH 1	0.5:	PH 10.5							
E TME	MN :	SHO	RT :	CONT.		TYPE	TEST				
					:						
JAL. LI	FE :	40 Y	RS.:	40 YRS.		TYPE	TEST			:40 YEARS LIFE IS BASED UPON REPLACING THE	
	. :				:					:ELASTOMERS & SOLENOID COILS DEPENDING ON	
BMERGE	NCE:	N/	A :	N/A		N/A	1			: AMBIENT TEMPERATURE.	



PROJECT NU REVISION	PROJECT NUMBER: 4391-00 REVISION : 0				EALTH EDISON ENTIFICATION						00D STATION 8 2)	PAGE	:	318 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY =.==			MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC D'AGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
10050	cc	SOLENOID	F/L2793								6/20E-1-3524 6/20E- 6/20E-1-4843F	100220	Α	C6AC11
10053	cc	SOLENOID	F/L2793	ASC	NP-8320A186E	CNT	012	vx	0393	C 6	6/20E-1-3524 6/20E- 6/20E-1-4843F	1CC226	Α	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	Α	C6AC11
1SA033	SA	SOLENOID	F/L2793	ASC	NP-8320A 186E	CNT	012	UX	0383	C 6	6/20E-1-3514 6/20E- 6/20E-1-4571D	1SA030	Α	C6AC11
20050	cc	SOLENOID	F/L2793	ASC	NP-8320A186E	CNT	024	VX	0395	C 6	6/20E-2-3524 6/20E- 6/20E-2-4843F	2CC22O	Α	C6AU11
20053	cc	SOLENDID	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	SOLENOIL	F/L2793	ASC	NP-8320A186E	CNT	024	vx	0391	C 6	6/20E-2-3524 6/20E- 6/20E-2-4967B	2FP032	Α	C6AC11
2SA033	SA	SOLENOID	F/L2793	ASC	NP8320A186E	CNT	024	UX	0383	C 6	6/20E-2-3514 6/20E- 6/20E-2-4571D	25A030	Α	C6AC11



PROJECT NUMBER: 4391-00 REVISION : 0 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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CGAC11

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

PARAMETER	ENVIRONMENT :PLT DES:QU			ICATION:	QUALIFICATION DOCUMENT REFERENCE	: REMARKS	: COMP : NUMBER
TEMP DEG F	320	348	TYPE	4.000	ASCO TEST REPORT NO. AQR 67368.REV.O. DATED 03-02-82	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BB026 FOR COMPLETE DOCUMENTATION	:C6AC1
PRESS PSIG	: 50 :	56	TYPE	TEST :		PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	100 :	100/STEAM	TYPE	TEST :			
RADIATION	2E08 :	2.05E08	TYPE	TEST :			
CHEM SPRAY			TYPE	TEST :			:
OPE THE MN	: PH 10.5:	PH 10.5 CONT.	TYPE	TEST :			
QUAL. LIFE	: 40 YRS :	40.0 YRS	TYPE	TEST :		: 40 YEARS LIFE IS BASED UPON REPLACING THE	
SUBMERGENCE	N/A :	N/A	. N	/A :		:ELASTOMERS & SOLENOID COILS BASED ON AMBIENT :TEMPERATURE.	



PROJECT NUM REVISION	-	: 439	Company Company	СОМ		EALTH EDISON ENTIFICATION	DAT					OOD STATION & 2)	PAGE DATE	:	320 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	E		SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
1W0056A		10IN.				10 IN 150 FW						N/A	N/A	N/A	C6ABO3
1W0056B	wo		ISOLATION VALVE	F/L2718-2	A/D	10 IN 150 FW	CNT	13	w	0403	C 6	N/A	N/A	N/A	C6ABO3
2W0056A	wo		ISOLATION VALVE	F/L2718-2	A/D	10 IN 150 FW	CNT	22	٧	0407	C 6	N/A	N/A	N/A	C6AB03
2W0056B	wo		ISOLATION VALVE	F/L2718-2	A/D	10 IN 150 FW	CNT	23	w	0403	С 6	N/A	N/A	N/A	Сбавоз



REVISION : 0

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**C6AB03** 

SPEC. NUM.: F/L2718-02

SYSTEM : WO

SAFETY CAT: A

FUNCTION : CONTAINMENT ISOLATION

ENVR ZONE : C 6

COMP/EQUIP: ISOLATION GATE VALVE

MANUF. : ANCHOR DARLING

MODEL SUPP: 10 IN. - 150 FW

			IFICATION	: QUALIFI N: METH		DOCUMENT	REFERENCE	: REMARKS	: COMP : NUMBER
CHO DEC E	222				=====;=:				
EMP DEG F :	320		320	: ANALY	515 :51	EE REMARKS		:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BBO10 FOR COMPLETE DOCUMENTATION	:C6ABO3
RESS PSIG :-	.018	1	150	: ANALY	SIS :			:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
	0.0	1		1					- 2
EL HUMID %:	90		100	: ANALY	SIS :				
MADIATION :	1E07	. >	1E07	: ANALY	SIS :				
HEM SPRAY :	N/A		N/A	. N/A					
PE THE MN :	CONT.		ONT.	ANALY	ere i				
IFE IME MIN	CONT.		UNI.	ANALY	515				
OUAL. LIFE :40	YRS	: 4	O YRS.	ANALY	SIS :				
UBMERGENCE:	N/A		N/A	. N/A					
		5		*					



PROJECT NUME REVISION	A STATE OF	: 4391-	00	СОМІ		ENTIFICATION	DATA SHEET			OCC STATION 8 2)	PAGE DATE		322 OF 477 O1 SEP 84
EQUIPMENT NUMBER 1W0007A					MFG		BDG COL ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER .====================================
1W0007B	wo	RELIEF	VALVE	F/L2718-1	A/G	CAIB	CNT	0407	С 6	N/A	N/A	N/A	C6ABO1
2W0007A	wo	RELIEF	VALVE	F/L2718-1	A/G	CAIB	CNT	0407	C 6	N/A	N/A	N/A	C6ABO1
2W0007B	wo	RELIEF	VALVE	F/L2718-1	A/G	CVIB	CNT .	0403	C 6	N/A	N/A	N/A	C6ABO1



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COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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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

PARAMETER		DES: QUA			METHOD	N:	QUALIF DOCUMENT	ICATION REFERENCE	REMARKS	: COMP : NUMBER
EMP DEG F	32	0 :	320	: 1	ANALYSIS	SEE	REMARKS		REFER TO ENVIRONMENTAL QUALIFICATION BINDER	:C6ABO1
PRESS PSIG	: 50	. :	50		ANALYSIS				:NO. EQ-BBG42 FOR COMPLETE DOCUMENTATION :PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	10	00 :	100	: 1	ANALYSIS					
PADIATION	: 2E	08 :	2E08	: 1	ANALYSIS					
		E :	SEE	: 1	ANALYSIS	i .			: :CHEM SPRAY	
PE TME MN		RKS:	CONT.	: 1	ANALYSIS	-			:0.26M H3B03;0.064MNA2SD3.	
UAL. LIFE	: 40 Y	RS.:	40 YRS.	: 4	ANALYSIS	1			BUFFERED TO PH OF 10.5	
SUBMERGENCE	: N/	Α :	N/A						나를 이번 하면 내용하다 말이 다른데 되었다.	
				1						



PROJECT NUME REVISION	BER	4391-00	COM			CATION	DAT	7.7	- BYF			00D STATION & 2)	PAGE DATE		324 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT		MFG			BDG	COL	ROW	ELEV	ZONE		CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER
1VQ001A	vo	HYDRAULIC OPERATOR	F/L2794-1	B-W						0451		6/20E-1-3558 6/20E- 6/20E-1-4324	1VQ086	Α	C6AA14
1VQ002A	VQ	HYDRAULIC OPERATOR	F/L2794-1	B-W	DWG N	0 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 N	0 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	8-W	DWG N	0 85460	CNT	024	vx	0462	C 6	6/20E-2-3558 6/20E- 6/20E-2-4324	2VQ113	A	C6AA14



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CGAA14

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



PROJECT NUMI REVISION		: 4391-00 : 0	COM		EALTH EDISON ENTIFICATION					DATE		326 OF 477 O1 SEP 84
EQUIPMENT NUMBER		TYPE OF EQUIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG COL ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
10G057A	DG	ISOLATION BUTTERFLY VLV.	F/L2884		8226-EXMOD.E		0384		N/A	N/A	N/A	C6AB2O
10G079	OG	ISOLATION BUTTERFLY VLV.	F/L2884	JAM	8226-EXMOD.B	CNT	0403	С 6	N/A	N/A	N/A	C6AB2O
10G080	OG	ISOLATION BUTTERFLY VLV.	F/L2884	JAM	8226-EXMOD.B	CNT	0403	С 6	N/A	N/A	N/A	C6AB2O
10G081	OG	ISOLATION BUTTERFLY VLV.	F/L2884	JAM	8226-EXMOD.B	CNT	0395	C 6	N/A	N/A	N/A	C6AB2O
1VQ001A	VQ	ISOLATION BUTTERFLY VLV.	F/L2884	JAM	8926 MOD.BW	CNT	0462	C 6	N/A	N/A	N/A	C6AB20
VQ002A	VQ	ISOLATION BUTTERFLY VLV.	F/L2884	JAM	8926 MOD.BW	CNT	0462	C 6	N/A	N/A	N/A	C6AB2O
VQ004A	VQ	ISOLATION BUTTERFLY VLV.	F/L2884	JAM	8226-EXMOD.C	CNT	0462	C 6	N/A	N/A	N/A	C6AB20
VQ005A	VQ	ISOLATION BUTTERFLY VLV.	F/L2884	JAM	8226-EXMOD.C	CNT	0475	С 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
e0G079	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	CGAB20



PROJECT NUME REVISION	ER: 4391 : 0	-00	COM			EDISON	Market Committee of the				OOD STATION & 2)	PAGE DATE	:	327 OF 477 O1 SEP 84
NUMBER		YPE OF UIPMENT	SPEC.NO.	MFG	TYPE/	MODEL	BDG COI	L ROW	ELEV	ZONE		CABLE NO/ PANEL NO	CAT.	COMPUTER NUMBER
	BUTTE VQ ISOLA	TION				MOD.BWB						N/A	N/A	C6AB2O
2VQ002A	VQ ISOLA	TION RFLY VLV.	F/L2884	JAM	8926	MOD.BWB	CNT		0462	C 6	N/A	N/A	N/A	C6AB2O
2VQ004A		TION RFLY VLV.	F/L2884	JAM	8226	-EXMOD.C	CNT		0462	C 6	N/A	N/A	N/A	C6AB2O
2VQ005A		TION RFLY VLV.	F/L2884	JAM	8226	-EXMOD.C	CNT		0475	С 6	N/A	N/A	N/A	C6AB2O



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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

ARAMETER :PLT DES:QUALIFICATI		ALIFICATION : ENT REFERENCE : REMARKS	: COMP : NUMBE
EMP DEG F : 320 : 250 : SEE REMARK	: ANALYSIS : SEE REMA	KS :REFER TO ENVIRONMENTAL QUALIFICATION BINDE :NO. EQ-BBO52 FOR COMPLETE DOCUMENTATION	R : C6AB2
RESS PSIG : 50 : 150	: ANALYSIS :	:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	74
EL HUMID %: 100 : 100	: ANALYSIS :	:TEMP QUAL. IS FOR 250 DEG.F. CONTINEOUS.	DD :
ADIATION : 2E08 : 2E08	: ANALYSIS :	OF TIME AND HEAT TRANSFER IS MINIMAL.	
HEM SPRAY : SEE : SEE : REMARKS	: ANALYSIS :	:CHEM SPRAY (PLT DES)	
PE TME MN : CONT. : CONT.	: ANALYSIS :	:-0.28M;H3B03;O.064M;NA2S03;BUFFERED 70PH :OF 10.5 WITH NAOH.	
JAL. LIFE :40 YRS : 40 YRS.	: ANALYSIS :		
JBMERGENCE: N/A : N/A	: N/A :	HE [18]	



PROJECT NUMP REVISION	BER	: 4391	-00	СОМ		ENTIFICATION	DATA SHEET			OOD STATION & 2)	PAGE DATE	!	329 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY == FP	EQ	YPE OF UIPMENT		MFG	TYPE/MODEL	BDG COL ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
15A033		VALVE	CONTROL	F/L2793		1.5-38-20771		0383			N/A	N/A	C6AB10
2FP011	FP	GLOBE VALVE	CONTROL	F/L2793	MSN	4IN20000	CNT	0391	с 6	N/A	N/A	N/A	C6AB10
2SA033	SA	GLOBE	CONTROL	F/L2793	MSN	1.5-38-20771	CNT	0383	C 6	N/A	N/A	N/A	C6AB10



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COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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C6AB 10

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

ARAMETER :PLT DES:Q	JALIFICATION	: QUALIFICATION: : METHOD :	QUALIFICATION DOCUMENT REFERENCE	: REMARKS	: COMP : NUMBER
EMP DEG F : 320 :	950	ANALYSIS :SE	E REMARKS	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BBO46 FOR COMPLETE DOCUMENTATION	:C6AB10
RESS PSIG : 175 :	2000	: ANALYSIS :		PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
EL HUMID %: 100 :	100	ANALYSIS :			
ADIATION : 2EOB :	1.5F09	ANALYSIS :			
HEM SPRAY : N/A :	N/A	N/A			:
PE TME MN : CONT. :	CONT.	: ANALYSIS :			
UAL. LIFE :40 YRS :	40 YRS.	: ANALYSIS :			1
UBMERGENCE: N/A	N/A	N/A			



PROJECT NUM REVISION	-	: 4391-00 : 0	СОМ		ENTIFICATI		DATA SHEET			OOD STATION 8 2)	PAGE DATE	:	331 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY			MFG	TYPE/MODE	L	EDG COL ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
1CS008A	cs	ISOLATION CHECK VALVE	F/L2794-2	TRW	MISSION 19 30CPFV04	OAK	CNT	0410	C 6	N/A	N/A	N/A	C6AB15
1CS008B	cs	ISOLATION CHECK VALVE	F/L2794-2	TRW	MISSION 19 30CPFV04	OAK	CNT	0402	C 6	N/A	N/A	N/A	C6AB15
2CS008A	cs	ISOLATION CHECK VALVE	F/L2794-2	TRW	MISSION 19 30CPFV04	OAK	CNT	0410	C 6	N/A	N/A	N/A	C6AB15
2CS008B	cs	ISOLATION CHECK VALVE	F/L2794-2	TRW	MISSION 1	OAK	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

ARAMETER :PLT DES:QUA		METHOD	: QUALIF	ICATION REFERENCE	: REMARKS	: COMP : NUMBER
EMP DEG F : 320 :	1000 :	ANALYSIS	:SEE REMARKS		:REFER TO ENVIRONMENTAL QUALIFICATION BINDER	:C6AB15
		- 1000000000000000000000000000000000000	1		:NO. EQ-BBO48 FOR COMPLETE DOCUMENTATION	·
ESS PSIG : 250 :	2500 :	ANALYSIS			:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
		Control Control				
L HUMID %: 100 :	100 :	ANALYSIS				
		The state of the s		,		
DIATION : 2EO8 :	1E10 :	ANALYSIS				
EM SPRAY : SEE :	SEE :				:CHEM SPRAY (PLT DES)	
:REMARKS: R	EMARKS :				:	
E TME MN : CONT. :	CONT. :	ANALYSIS			:0.28M H3B03,0.064M NA2S03; BUFFERED TO PH OF	
					: 10.5 WITH NACH.	
AL. LIFE :40 YRS.:	40 YRS. :	ANALYSIS				
	1					-:
BMERGENCE: N/A :	N/A :	N/A				
						1



PROJECT NUM	MBER	4391-00	COM					ANY -				OOD STATION & 2)	PAGE DATE	:	333 OF 477 O1 SEP 84
EQUIPMENT NUMBER 1RF026		TYPE OF EQUIPMENT ISOLATION PLUG VALVE		MFG ===		*	BDG	COL R	WOS	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	7588 CAT.	COMPUTER NUMBER CGAB17
2RF026	RF	ISOLATION PLUG VALVE	F/L2795	T/X	2IN.	-066BW	CNT		(	0390	C 6	N/A	N/A	N/A	C6AB17



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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DATE : 01 SEP 84

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: 41N.-066BW: 21N.-066SW.

		ONMEN DES: 0	UALIFICATION	: QUALIFICATION : METHOD		QUAL I F	REFERENCE		: COMP : NUMBER
TEMP DEG F	32	0 :	SEE REMARKS	ANALYSIS	SEE	REMARKS	. 4888 888 888 888 888 888 888 888 888 8		:C6AB1
PRESS PSIG	50		233	ANALYSIS				PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	10	0 :	100	ANALYSIS				TEMP QUAL. IS FOR 250 DEG.F. CONTINEOUS.	
RADIATION	2E	08 :	2E08	ANALYSIS				OF TIME AND HEAT TRANSFER IS MINIMAL.	
CHEM SPRAY		E :	SEE REMARKS	ANALYSIS				CHEM SPRAY (PLT DES)	
PE THE MN	CON	T. :	CONT.	ANALYSIS				O.28M H3BO3; O.064M NA2SO3; BUFFERED TO	
OUAL. LIFE	40 Y	RS.:	40 YRS.	ANALYSIS					
SUBMERGENCE	N/	Α :	N/A	N/A					



PROJECT NUM REVISION	BER	: 4391-00	СОМ		ENTIFICATION	DATA SHEET			OOD STATION & 2)	PAGE		335 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	The second of th		MFG	TYPE/MODEL	BDG COL ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
1IA066		VALVE			3IN1500 CRESAD		0391		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
214066	IA	VALVE	F/L2794-1	W/B	3IN1500 CRESAD	CNT	0391	C 6	N/A	N/A	N/A	C6AB13
21A091	IA	VALVE	F/L2794-1	w/B	3IN 1500 CRESAD	CNT	0391	C 6	N/A	N/A	N/A	C6AB13



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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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.

ARAMETER						METHOD	ON:	QUALIF	ICATION REFERENCE		REMARKS	: COMP : NUMBE
********		===;			:-		:	*******	**********	**: ********		:
EMP DEG F	32	0 :		400	1	ANALYSIS	SEE	REMARKS			ENVIRONMENTAL QUALIFICATION BINDER	:CGAB1
RESS PSIG	45	0 :		2000		ANALYSIS					SSOCIATED WITH THIS EQUIPMENT.	
EL HUMID %	10	0 :		100		ANALYSIS	1					
DIATION	2 E	08 :		1E09	1	ANALYSIS				1		
EM SPRAY	: SE	E :		SEE	** **	ANALYSIS	1			CHEM SPRA	Y(PLT DES)	
	REMA	RKS:	RE	MARKS	- 2							
E TME MN	CON	T. :		CONT.	- :	ANALYSIS					03;0.064M NA2S03;BUFFERED TO 5 WITH NAOH.	
AL. LIFE	:40 Y	RS :	40	YRS.	1	ANALYSIS	1.5					
JEMERGENCE	N/	Α :		N/A	. 1	N/A						



PROJECT NUM REVISION	BER: 4391-0	0	COMN		ENTIFICATION						PAGE DATE		337 OF 477 O1 SEP 84
NUMBER		PMENT	SPEC.NO.	MFG	TYPE/MODEL	BDG	COL ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
1VPO1CA	VP PRIMARY VENT SY RCFC FA	S.	F/L2733	JOY	AXIVANE	CNT		0390	C 6	N/A	N/A	N/A	C6AGO1
1VPO1CB	VP PRIMARY VENT SY RCFC FA	S.	F/L2733	YOY	AXIVANE	CNT		0364	C 6	N/A	N/A	N/A	C6AGO1
1VPO1CC	VP PRIMARY VENT SY RCFC FA	S.	F/L2733	JOY	AXIVANE	CNT		0387	C 6	N/A	N/A	N/A	C6AGO1
1VPO1CD	VP PRIMARY VENT SY RCFC FA	S.	F/L2733	JOY	AXIVANE	CNT		0377	C 6	N/A	N/A	N/A	C6AGO1
2VPO1CA	VP PRIMARY VENT SY RCFC FA	S.	F/L2733	JOY	AXIVANE	CNT		0364	C 6	N/A	N/A	N/A	C6AGO1
2VPO1CB	VP PRIMARY VENT SY RCFC FA	S.	F/L2733	JOY	AXIVANE	CNT		0364	C 6	N/A	N/A	N/A	C6AGO1
2VPO1CC	VP PRIMARY VENT SY RCFC FA	S.	F/L2733	JOY	AXIVANE	CNT		0364	C 6	N/A	N/A	N/A	C6AGO1
2VPO1CD	VP PRIMARY VENT SY RCFC FA	S.	F/L2733	JOY	AXIVANE	CNT		0364	C 6	N/A	N/A	N/A	C6AGO1



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION REVISION : 0 QUALIFICATION DATA SHEET (UNITS 1 & 2)

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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

PARAMETER :PLT DES:	QUALIFICATION:		QUALIFICATION DOCUMENT REFERENCE	: REMARKS	: COMP : NUMBER
TEMP DEG F : 320	A STATE OF THE PARTY OF THE PAR		N/A	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. CQD- N/A FOR COMPLETE DOCUMENTATION	:C6AGO1
PRESS PSIG : 50		ANALYSIS :		PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %: 100		ANALYSIS :		:ITEMS DO NOT CONTAIN ANY NON-METALLIC PARTS; :THEREFORE, NO E.Q. IS REQUIRED.	
RADIATION : 2E08 :		ANALYSIS :		NO BINDER IS REQUIRED.	
CHEM SPRAY : SEE : REMARKS:				CHEM SPRAY (PLT DES)	
OPE THE MN :				:0.28M H3B03 :0.06AM NA2S03	
QUAL. LIFE :40 YRS.:	40 YRS.	ANALYSIS :		:BUFFERED TO PH :DF 10.5 WITH NAOH.	
SUBMERGENCE: N/A :	N/A	N/A			



PROJECT NUMBER: 4391-00 COMMONWEALT: EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 339 OF 477 REVISION : 0 IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84 EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER NUMBER 1VPO1CA VP PRIMARY F/L2733 REL PART NO. CNT 007 VX 0390 C 6 6/20E-1-3521 C 1VP002 A C6AA26 CONTAINMNT VENT 600287-52 6/20E-6/20E-1-4333 SYS RCFC FAN 1A 1VPO1CB VP PRIMARY F/L2733 REL PART NO. CNT 007 XX 0385 C 6 6/20E-1-3512 C 1VP024 C6AA26 CONTAINMNT VENT 600287-52 6/20E-SYS RCFC FAN 1B 6/20E-1-4333 VP PRIMARY F/L2733 REL PART NO. 1VPO1CC CNT 011 XX 0387 C 6 6/20E-1-3523 C 1VP046 C6AA26 CONTAINMNT VENT 600287-52 6/20E-SYS RCFC FAN 1C 6/20E-1-4333 1VPO1CD VP PRIMARY F/L2733 REL PART NO. CNT 011 UX 0385 C 6 6/20E-1-3514 C 1VP068 C6AA26 CONTAINMNT VENT 600287-52 6/20E-SYS RCFC FAN 1D 6/20E-1-4333 VP PRIMARY CNT 2VPO1CA F/L2733 REL 150/100 RN CNT 029 VX 0364 C 6 6/20E-2-3521 C 2VP002 C6AA26 VENT SYS RCFC HP INSULAT FAN 2A 5008 UCZ FRA 6/20E-2-4333 2VPO1CB VP PRIMARY CNT F/L2733 REL 150/100 RN CNT 029 XX 0364 C 6 6/20E-2-3512 C 2VPO24 CGAA26 HP INSULAT VENT SYS RCFC 6/20E-FAN 2B 5008 UCZ FRA 5/20E-2-4333 2VPO1CC VP PRIMARY CNT F/L2733 REL 150/100 RN CNT 025 YX 0364 C 6 6/20E-2-3523 C 2VPO46 C6AA26 VENT SYS PCFC HP INSULAT 6/20E-FAN 2C 5008 UCZ FRA 6/20E-2-4333 2VPO1CD VP PRIMARY CNT F/L2733 REL 150/100 RN CNT 025 UX 0364 C 6 6/20E-2-3514 C 2VP068 C6AA26 VENT SYS RCFC HP INSULAT 6/20E-FAN 2D 5008 UCZ FRA 6/20E-2-4333



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION REVISION : 0 QUALIFICATION DATA SHEET (UNITS 1 & 2)

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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

	PLT DES	ENT	The second	METHO	23/2 (20/20/20/20)		ION ERENCE	: REMARKS	: COMP : NUMBER
TEMP DEG F	320	340		TYPE T		JOY MANUFACTURING		:REFER TO ENVIRONMENTAL QUALIFICATION BINDER	:C6AA26
PRESS PSIG	: 50	: 85		TYPE T				:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
			3					경기 :	
REL HUMID %	100	: 100	- 1	TYPE T	EST				*
			- 8.						
RADIATION	2E08	: 1E09	- 2	TYPE T	EST				
		0 40000			FAT /				
CHEM SPRAY	A SECTION AND ADDRESS OF THE PERSON ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRES	A STATE OF THE PARTY OF THE PAR		TYPE T					*
	: SQ.FT		- 2	ANALY					
OPE THE MN	: CONT.	: CONT.	- 2	TYPE T	EST				
									1
QUAL. LIFE	:40 YRS.	: 40 YRS.	1	TYPE T	EST				1
			*						1
SUBMERGENCE	N/A	: N/A		N/A					
									11.06



PROJECT NUM REVISION		91-00 0	COM		EALTH EDISON ENTIFICATION							PAGE DATE	:	341 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
1CV8145		NIT SWITCH	F/L2702		EA18011303				0414				Α	C6AD11
1CV8160	CV LIN	NIT SWITCH	F/L2702	NAM	EA18011303	CNT	004	RO	0392	C 6	6/20E-1-3523 6/20E- 6/20E-1-4848P	1CV480	Δ	C6AD11
1PS9354A	PS LIM	IT SWITCH	F/L2702	NAM	EA18011303	CNT	006	RO	0383	C 6	6/20E-1-3514 6/20E- 6/20E-1-4552C	1PS050	Α	C6AD11
1PS9355A	PS LIM	IT SWITCH	F/L2702	NAM	EA18011303	CNT	006	RO	0383	C 6	6/20E-1-3514 6/20E- 6/20E-1-4552C	1PS063	A	C6AD11
1PS9356A	PS LIM	IIT SWITCH	F/L2702	NAM	EA18011303	CNT	006	RO	0383	C 6	6/20E-1-3514 6/20E- 6/20E-1-4552D	1PS076	Α	C6AD11
1PS9357A	PS LIM	IIT SWITCH	F/L2702	NAM	EA18011303	CNT	006	RO	0383	C 6	6/20E-1-3514 6/20E- 6/20E-1-45520	1PS084	A	C6AD11
1RE 1003	RE LIM	IIT SWITCH	F/L2702	NAM	EA18014303	CNT	012	RO	0388	C 6	6/20E-1-3511 6/20E- 6/20E-1-4439	1RE026	A	C6AD11
1RE 1003	RE LIM	IIT SWITCH	F/L2702	NAM	EA18015303	CNT	012	RO	0388	C 6	6/20E-1-3511 6/20E- 6/20E-1-4439	1RE028	A	C6AD11
1RE9159A	RE LIM	IIT SWITCH	F/L2702	NAM	EA18014303	CNT	007	RO	0383	C 6	6/20E-1-3514 6/20E- 6/20E-1-4841A	1RE050	A	C6AD11
1RE9159A	RE LIM	IT SWITCH	F/L2702	NAM	EA18015303	CNT	007	RO	0383	C 6	6/20E-1-3514 6/20E- 6/20E-1-4841A	1RE051	Α	C6AD11
1RE9160A	RE LIM	IT SWITCH	F/L2702	NAM	EA18014303	CNT	007	RO	0381	C 6	6/20E-1-3514 6/20E- 6/20E-1-4841A	1RE064	A	C6AD11



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EQUIPMENT 155mbCR	SY	EQ	YPE OF UIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/NODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	Programme and the control of the con	0588 CAT.	COMPUTER NUMBER
1RE9180A	RE	LIMIT	SWITCH	F/L2702		EA18015303					7	6/20E-1-3514 6/20E- 6/20E-1-4841A	1RE065	Α	C6AD11
1RH8702A	RH	LIMI:	SWITCH	F/L2702	NAM	EA18012303	CNT	012	XX	0382	C 6	6/20E-1-3513 6/20E- 6/20E-1-4324	151070	A	C6AD11
1RY8026	RY	LIMIT	SWITCH	F/L2702	NAM	EA18011303	CNT	006	RO	0397	C 6	6/20E-1-3534 6/20E- 6/20E-1-4842B	1RY277	۸	C6AD11
1RY8030	RY	LIMIT	SWITCH	F/L2702	NAM	EA18014303	CNT	011	RO	0391	С 6	6/20E-1-3521 6/20E- 6/20E-1-4842A	1RY289	Α	C6AD11
1RY8030	RY	LIMIT	SWITCH	F/L2702	NAM	EA18015303	CNT	011	RO	0391	C 6	6/20E-1-3521 6/20E- 6/20E-1-4842A	1RY290	Α	C6AD11
1518843	SI	LIMIT	SWITCH	F/L27(2	NAM	EA18011303	CNT	006	RO	0397	C 6			Δ	C6AD11
1SI8871	SI	LIMIT	SWITCH	F/L2702	NAM	EA18011303	CNT	007	RO	0378	C 6	6/20E-1-3514 6/20E- 6/20E-1-4841A	151293	A	C6AD11
2CV8145	CV	LIMIT	SWITCH	F/L2702	NAM	EA18011303	CNT	016	RO	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	Α	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
2RE 1003	RE	LIMIT	SWITCH	F/L2702	NAM	EA18014303	CNT	028	UX	0388	C 6	6/20E-2-3511 6/20E- 6/20E-2-4439	2RE033	Α	C6AD11



	PROJECT NUME REVISION	BER	4391	-00	COMM		ALTH EDISON ENTIFICATION				(UN			PAGE DATE	:	343 OF 477 O1 SEP 84
	EQUIPMENT NUMBER	SY		YPE OF UIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
28	E 1003	RE	LIMIT	SWITCH	F/L2702	NAM	EA18015303						6/20E-2-3511 6/20E- 6/20E-2-4439	2RE033	Α	C6AD11
28	E9159A	RE	LIMIT	SWITCH	F/L2702	NAM	EA18014303	CNT	025	VX	0377	C 6	6/20E-2-3514 6/20E- 6/20E-2-4841A	2REO49	Α	C6AD11
28	RE9159A	RE	LIMIT	SWITCH	F/L2702	NAM	EA18015303	CNT	025	vx	0377	C 6	6/20E-2-3514 6/20E- 6/20E-2-4841A	2REO49	Α	C6AD11
28	RE9160A	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
28	RE9160A	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
28	2H8702A	RH	LIMIT	SWITCH	F/L2702	NAM	EA18012303	CNT	024	xx	0377	C 6	6/20E-2-3513 6/20E- 6/20E-2-4324	2RHO45	Α	C6AD11
28	148026	RY	LIMIT	SWITCH	F/L2702	NAM	EA18011303	CNT	024	WX	0401	C 6	6/20E-2-3534 6/20E- 6/20E-2-4842B	2RY276	Δ	C6AD11
28	Y8026	RY	LIMIT	SWITCH	F/L2702	NAM	EA18012303	CNT	024	wx	0401	C 6	6/20E-2-3534 6/20E- 6/20E-2-4842B	2RY276	Α	C6AD11
28	278030	RY	LIMIT	SWITCH	F/L2702	NAM	EA18014303	CNT	028	sx	0390	C 6	6/20E-2-3521 6/20E- 6/20E-2-4842A	2RY288	Α	C6AD11
28	278030	RY	LIMIT	SWITCH	F/L2702	NAM	EA18015303	CNT	028	SX	0390	C 6	6/20E-2-3521 6/20E- 6/20E-2-4842A	2RY288	Α	C6AD11
25	18843	SI	LIMIT	SWITCH	F/L2702	NAM	EA18011303	CNT	006	RO	0397	C 6			A	CGAD11



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 344 OF 477 REVISION : O IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84

EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER NUMBER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER 2SI8871 SI LIMIT SWITCH F/L2702 NAM EA18011303 CNT 024 UX 0377 C 6 6/20E-2-3514 2SI293 A C6AD11

6/20E-6/20E-2-4841A



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COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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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

MDDEL SUPP: EA180XX303

	PLT DE	S:QUALIFICATI	ON: N	ETHOD	REFERENCE	: REMARKS	: NUMBER
TEMP DEG F		420 MAX		PE TEST		:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQDP HE-3/6 FOR COMPLETE DOCUMENTATION	:C6AD1
PRESS PSIG	50	57	: TY	PE LEST		PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	100	100	: TY	PE TEST			
RADIATION	2E08	2E08	: TY	PE TEST			
CHEM SPRAY	77.00			PE TEST		:CHEM SPRAY (PLT DES)	
OPE THE MN	CONT.			PE TEST		:3000 PPM H3B04	
QUAL. LIFE	40 YRS	: 24.9 YRS	TY	PE TEST		:30 % NAOH :PH 8.5-10.5	
SUBMERGENCE	N/A	: N/A	2	N/A		:.15 GPM/SQ.FT.	
			2				2



PROJECT NUM REVISION	BER	: 4391	-00	СОМ		EALTH EDISON	COMP		- BYE			000 STATION 8 2)	PAGE DATE	:	346 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY		YPE OF UIPMENT		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER
1RF026	RF	LIMIT	SWITCH	F/L2795		EA 1802 1302		*		0390	*	6/20E-1-3524 6/20E- 6/20E-1-4847	1RF029	Α	C6AD15
1RF026	RF	LIMIT	SWITCH	F/L2795	NAM	EA18021302	CNT	012	VX	0390	C 6	6/20E-1-3524 6/20E- 6/20E-1-4847	1RF028	A	C6AD15
2RF026	RF	LIMIT	SWITCH	F/L2795	NAM	EA18031302	CNT	026	SX	0390	C 6	6/20E-2-3524 6/20E- 6/20E-2-4847	2RF027	A	C6AD15
2RF025	RF	LIMIT	SWITCH	F/L2795	NAM	EA18032302	CNT	026	SX	0390	C 6	6/20E-2-3524 6/20E- 6/20E-2-4847	2RF027	A	C6AD15



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REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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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

					QUALIFICATION DOCUMENT REFERENCE		COMP
TEMP DEG F	320	340	TYPE		NAMCO CONTROL'S REPORT OTR-105, REV. 1	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :	C6AD15
PRESS PSIG	50	80	TYPE			:NO. EQ-BB015 FOR COMPLETE DOCUMENTATION : :PACKAGE ASSOCIATED WITH THIS EQUIPMENT. :	
REL HUMID %	100	100	TYPE	TEST			
RADIATION	2E08	2.04E08	TYPE	TEST		그리네요. 이번 된 이번 세계를 보면하고 있다.	
HEM SPRAY	*	:0.15GPM/FT S			*CHEM SPRAY (PLT DES)	그 그 내가 들어 내는 이 이 등이 되었다.	
PE TME MN	CONT.	: PH 10 TO 11		TEST	O. 19GPM/SQ. FT.		
UAL. LIFE	40 YRS	40.0 YRS*	TYPE		PH 8.5 TO 10.5	: *40 YRS. QUAL. BASED ON PERFORMING LUBRICATION:	
UBMERGENCE	N/A	N/A	N//			:EVERY 4.5 YRS. & REPLACEMENT OF ELASTOMERIC : PARTS. REPLAC. INTERVAL FOR ELAS. COMP. IS : DEPENDENT ON AMBIENT TEMP. SEE EQ-BB015 TAB E. :	



PROJECT NUM REVISION	*******************			COMMONWEALTH EDISON ( IDENTIFICATION									PAGE DATE		348 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	EQU	UIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
10050			SWITCH			EA18012302						6/20E-1-3524 6/20E- 6/20E-1-4843F	1CC247	A	C6AD14
10050	CC I	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
10053	CC I	IMIT	SWITCH	F/L2793	NAM	EA18011302	CNT	012	VX	0393	C 6	6/20E-1-3524 6/20E- 6/20E-1-4843F	100250	A	C6AD14
10053	CC I	IMIT	SWITCH	F/L2793	NAM	EA18012302	CNT	012	VX	0393	C 6	6/20E-1-3524 6/20E- 6/20E-1-4843F	100250	A	C6AD14
1FPQ11	FP I	IMIT	SWITCH	F/L2793	NAM	EA18012302	CNT	012	VX	0391	Сб	6/20E-1-3524 6/20E- 6/20E-1-49678	1FP034	Α	C6AD14
1FP011	FP L	IMIT	SWITCH	F/L2793	NAM	EA18011302	CNT	012	VX	0391	C 6	6/20E-1-3524 6/20E- 6/20E-1-49678	1FP033	A	C6AD14
1SA033	SA I	IMIT	SWITCH	F/L2793	NAM	EA18012302	CNT	012	UX	0383	C 6	6/20E-1-3514 6/20E- 6/20E-1-4571D	1SA031	Α	C6AD14
1SA033	SA I	TIMIT	SWITCH	F/L2793	NAM	EA18011302	CNT	012	ux	0383	с 6	6/20E-1-3514 6/20E- 6/20E-1-4571D	1SA029	A	C6AD14
20050	CC I	IMIT	SWITCH	F/L2793	NAM	EA18011302	CNT	024	VX.	0395	C 6	6/20E-2-3524 6/20E- 6/20E-2-4843F	200220	Α .	C6AD14
20050	CC (	TIMIT	SWITCH	F/L2793	NAM	EA18012302	CNT	024	VX	0395	C 6	6/20E-2-3524 6/20E- 6/20E-2-4843F	200220	Α	C6AD14
20053	CC I	TIMIT	SWITCH	F/L2793	NAM	EA18011302	CNT	024	VX	0393	C 6	6/20E-2-3524 6/20E- 6/20E-2-4843F	2CC226	Α	C6AD14



PROJECT NUM REVISION	(BER: 4391-00 : 0		WEALTH EDISON DENTIFICATION	DATA	SHEET				PAGE DATE	:	349 OF 477 O1 SEP 84
	TYPE OF SY EQUIPMENT		G TYPE/MODEL	BDG C	DL ROW	ELEV Z	ONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
20053	CC LIMIT SWITCH		M EA18012302				6	6/20E-2-3524 6/20E- 6/20E-2-4843F	2CC226	Α	C6AD14
2F2511	FP LIMIT SWITCH	F/L2793 NA	M EA18011302	CNT O	24 VX	0391 C		6/20E-2-3524 6/20E- 6/20E-2-4967B	2FP032	A	C6AD14
2FP011	FP LIMIT SWITCH	F/L2793 NA	M EA18012303	CNT O	24 VX	0391 C		6/20E-2-3524 6/20E- 6/20E-2-4967B	2FP032	A	C6AD14
2SAC39	SA LIMIT SWITCH	F/L2793 NA	M EA18011302	CNT O	24 UX	0383 C		6/20E-2-3514 6/20E- 6/20E-2-45710	2SA030	A	C6AD14
2SA033	SA LIMIT SWITCH	F/L2793 NA	M EA18012302	CNT O	24 UX	0383 C		6/20E-2-3514 6/20E- 6/20E-2-4571D	2SA030	A	C6AD14



REVISION : 0

PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 8 2)

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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.

			NMENTES:QUALIFICATION			QUALIFICATION DOCUMENT REFERENCE		: COMP : NUMBER
			**;*********				**;*********************************	
TEMP	DEG F	320	340	TYPE		:NAMCO CONTROL'S REPORT :QTR-105, REV. 1	IN THE REPORT OF THE PROPERTY OF THE PRO	: CGAD 14
PRES	S PSIG	50	: 80	: TYPE			PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL	HUMID %	100	100	TYPE	TEST			
RADI	ATION	2E0	8 : 2.04E08	TYPE	TEST		이후 그는 그 이 이 사람들이 어디었다면서 나타다?	
HEM	SPRAY	: : *	: 0.15GPM/SQ.F		TEST	*CHEM SPRAY (PLT DES)	[[ - 1 - 1 - 1 - 2 ] 기타양적이 크다	
PE	TME MN	CONT	. : CONT.			O. 19GPM/SQ. FT.	그래 그는 내가 얼마나는 얼마나 얼마를 살다.	
WAL	. LIFE	:40 YR	S : 40.0 YRS	TYPE			: +40 YRS QUAL BASED ON PERFORMING LUBRICATION	i.
SUBM	ERGENCE	N/A	N/A	N/	A		:EVERY 4.5 YRS. & REPLACEMENT OF ELASTOMERIC :PARTS. REPLAC. INTERVAL FOR ELAS. COMP. IS :DEPENDENT ON AMBIENT TEMP. SEE EQ-88015 TAR E.	



PROJECT NUM REVISION	MBER:	0	00	COM		EALTH EDISON ENTIFICATION	DAT		- BY		RAIDW		PAGE DATE	:	351 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY		PE OF	PURCHASE SPEC.NO.		TYPE/MODEL						SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	The same of the sa	0588 CAT.	COMPUTER NUMBER
1ZS-VQO11AA	VQ L	IMIT	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 L	IMIT	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 L	TIMI	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 L	IMIT	SWITCH	F/L2884	NAM	EA 18032302	CNT	012	vx	0462	C 6	6/20E-1-3558 6/20E- 6/20E-1-4324	1VQ285	Δ	C6AD18
12S-VQ016AA	VQ L	IMIT	SWITCH	F/L2884	NAM	EA18011302	CNT	012	UX	0451	C 6	6/20E-1-3558 6/20E- 6/20E-1-4536A	100152	Α	C6AD18
1ZS-VQ016BA	VQ L	IMIT	SWITCH	F/L2884	NAM	EA18012302	CNT	012	UX	0451	C 6	6/20E-1-3558 6/20E- 6/20E-1-4536A	100153	А	C6AD18
1ZS-VQO18AA	VQ L	IMIT	SWITCH	F/L2884	NAM	EA18011302	CNT	012	vx	0467	C 6	6/20E-1-3558 6/20E- 6/20E-1-4536	1VQ174	Α	C6AD18
1ZS-VQ018BA	VQ L	IMIT	SWITCH	F/L2884	NAM	EA18012302	CNT	012	vx	0467	C 6	6/20E-1-3558 6/20E- 6/20E-1-4536	1VQ175	Α	C6AD18
2ZS-VQ016AA	VQ L	IMIT	SWITCH	F/L2884	NAM	EA18011302	CNT	024	UX	0451	C 6	6/20E-2-3558 6/20E- 6/20E-2-4536A	2VQ147	Α	C6AD18
2ZS-VQO16BA	-VQ L	IMIT	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 L	IMIT	SWITCH	F/L2884	NAM	EA18011302	CNT	024	vx	0467	C 6	6/20E-2-3558 6/20E- 6/20E-2-4536	2VQ169	A	C6AD18



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 352 OF 477 REVISION : O IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : O1 SEP 84

EQUIPMENT TYPE OF PURCHASE ---, LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER NUMBER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER

2ZS-VQO18BA VQ LIMIT SWITCH F/L2884 NAM EA18012302 CNT 024 VX 0467 C 6 6/20E-2-3558 2VQ169 A C6AD18

6/20E-2-4536



PROJECT NUMBER: 4391-00
REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

DATE : 01 SEP 84

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CGAD18

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

	PLT DES	ENT	:QUALIF		QUALIFICATION DOCUMENT REFERENCE	: REMARKS	: COMP : NUMBER
EMP DEG F	320	340	TYPE		NAMCO CONTROL'S REPORT OTR-105, REV. 1	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BB015 FOR COMPLETE DOCUMENTATION	:C6AD18
RESS PSIG	50	: 80	: TYPE		DATED 08/28/80.		
E			1				1
EL HUMID %	100	: 100	: TYPE	TEST :			1
ADIATION	2E08	: 2.04E08	TYPE	TEST :			
			1				
HEM SPRAY		: O. 15GPM/FT SC : PH 10 TO 11		TEST :	*CHEM SPRAY (PLT DES)		
PE THE MN	CONT.			TEST :	O.19GPM/SQ. FT.		
			1		PH 8.5 TO 10.5		
JAL. LIFE	40 YRS	: 40.0 YRS*	: TYPE	TEST :		: +40 YRS. QUAL. BASED ON PERFORMING LUBRICATION	N:
JBMERGENCE	N/A	N/A	. N/	١.		:EVERY 4.5 YRS. & REPLACEMENT OF ELASTOMERIC :PARTS. REPLAC. INTERVAL FOR ELAS. COMP. IS :DEPENDENT ON AMBIENT TEMP.SEE EQ-BBO15 TAG E.	



PROJECT NUM REVISION	BER	: 4391	-00	COMI		EALTH EDISON ENTIFICATION	DAT		- BYF	W		OOD STATION & 2)	PAGE DATE	:	354 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY.==	EQ	YPE OF UIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
11A066	IA	LIMIT	SWITCH	F/L2794-1	NAM	EA18031302	CNT	012	XX	0390	C 6	6/20E-1-3523 6/20E- 6/20E-1-4848P	114020	A	C6AD17
114066	IA	LIMIT	SWITCH	F/L2794-1	NAM	EA18031302	CNT	012	XX	0390	C 6	6/20E-1-3523 6/20E- 6/20E-1-4848P	11AO21	A	CGAD17
21A066	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
21A066	IA	LIMIT	SWITCH	F/L2794-1	NAM	EA18031302	CNT	024	xx	0390	€ 6	6/20E-2-3523 6/20E- 6/20E-2-4848P	2IA019	Α	C6AD17



PROJECT NUMBER: 4391-00 REVISION : 0 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
QUALIFICATION DATA SHEET (UNITS 1 & 2)

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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

		MENT S:QUALIFICATION	The second secon			REMARKS	: COMP : NUMBER
TEMP DEG F	320	340	TYPE		NAMCO CONTROL'S REPORT QTR-105, REV. 1		:C6AD17
PRESS PSIG	50	: 80	TYPE			PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	100	100	TYPE	TEST :			
RADIATION	2E08	: 2.04E08	TYPE	TEST :			
CHEM SPRAY		:0.15GPM/FT SC : PH 10 TO 11		TEST	*CHEM SPRAY (PLT DES)		
OPE THE MN	CONT.			1.00	O.19GPM/SQ. FT. PH 8.5 TO 10.5		
QUAL. LIFE	40 YRS	40.0 YRS*	TYPE			:+40 YRS. QUAL. BASED ON PERFORMING LUBRICATION	4:
SUBMERGENCE	N/A	N/A	N/I			:EVERY 4.5 YRS. & REPLACEMENT OF ELASTOMERIC :PARTS. REPLAC. INTERVAL FOR ELAS. COMP. IS :DEPENDENT ON AMBIENT TEMP. SEE EQ-BBO15 TAB E.	



PROJECT NUMI REVISION		: 4391-00 : 0	COM		EALTH EDISON ENTIFICATION	DAT		- BYR			00D STATION 8 2)		PAGE DATE	:	356 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY				TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM WIRING DIAGRAM NO	. P	ANEL NO	0588 CAT.	COMPUTER NUMBER
1PT -405		PRESSURE TRANSMITTER	F/L2702		76PH2433/ 94002-A2				0383			C 1		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	75	RC226 PL66J	D	C6AE38



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COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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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

PARAMETER :PLT DES:QUALIFICATION	: METHOD	DOCUMENT REFERENCE	: REMARKS	: COMP : :NUMBER:
TEMP DEG F :320 MAX: 420 MAX	TYPE TEST	:WESTINGHOUSE EQUIPMENT QUAL.	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQDP ESE-18 FOR COMPLETE DOCUMENTATION	:C6AE38:
	TYPE TEST		:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %: 100 : 95	: TYPE TEST			
	: 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 H3BQ4	
QUAL. LIFE :40 YRS.: 6 YRS.	: :TEST/ANALYSIS		:30 % NAOH :PH 8.5-10.5	
	: N/A		:.15 GPM/SQ.FT.	
; ; ;	;			



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 358 OF 477 REVISION : O IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84 EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER NUMBER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER 1FT -642 CC DIFF. PRESS. F/L2702 VRK 76DP24333/ CNT C 6 C6AE52 43312-A2 1FT -651 F/L2702 CC DIFF. PRESS. VRK 76DP24333/ CNT 013 R 0401 C 6 CGAE52 43312-A2 1FT -654 CC DIFF. PRESS. F/L2702 VRK 76DP24333/ CNT 019 R 0412 C 6 CGAE52 43312-A2 1FT -657 CC DIFF. PRESS. F/L2702 VRK 76DP24333/ CNT 001 R 0401 C 6 C6AE52 43312-A2 1FT -660 CC DIFF. PRESS. F/L2702 VRK 76DP24333/ CNT 009 R 0412 C 6 CGAE52 43312-A2 2FT -642 CC DIFF. PRESS. VRK 76DP24333/ C 6 F/L2702 CNT CGAE52 43312-A2 2FT -651 CC DIFF. PRESS. F/L2702 VRK 76DP24333/ CNT 013 R 0401 C 6 CGAE52 43312-A2 2FT -654 CC DIFF. PRESS. F/L2702 VRK 76DP24333/ CNT 019 R 0412 C 6 CGAE52 43312-A2 2FT -657 CC DIFF. PRESS. F/L2702 VRK 76DP24333/ CNT 001 R 0401 C 6 CGAE52 43312-12

CNT 009 R 0412 C 6



C6AE52

2FT -660

CC DIFF. PRESS.

F/L2702

VRK 76DP24333/

43312-A2

PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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CGAE52

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

************			************************	
ENVIRONMENT	:QUALIFICATION:	QUALIFICATION :		: COMP :
PARAMETER :PLT DES:QUALIFIC	ATION: METHOD : D	OCUMENT REFERENCE :	REMARKS	: NUMBER :
	:			
TEMP DEG F : 320 MAX: 420 M	AX : TYPE TEST : WESTI	NGHOUSE EQUIP. QUAL. : REF	ER TO ENVIRONMENTAL QUALIFICATION BIN	NDER : CGAE52:
	: :TEST	REPORT EO3B. NO.	EQDP ESE-3B FOR COMPLETE DOCUMENTATE	ION : :
PRESS PSIG : 50 : 75	: TYPE TEST :		OCIATED WITH THIS EQUIPMENT.	
REL HUMID %: 100 : 95	: TYPE TEST :			1 1
RADIATION : 1.3E07G: 5E07	G : TYPE TEST :			
:1.6E08B: 9E08				
CHEM SPRAY : SEE : SEE		: CHE	M SPRAY (PLT DES) QUALIFICATION	
:REMARKS: REMAR	KS : :	1+**		
OPE THE MN : SHORT : 4 MON	THS : TEST/ANALYSIS:	:300	O PPM H3BO3 2500 PPM H3BO3	
		: 30%	NAOH NAOH	1 1
QUAL. LIFE :40 YRS.: 6 YR	S. : TEST/ANALYSIS:	:PH	8.3-10.5 10.7 PH	
		: . 15	GPM/SQ.FT.	
SUBMERGENCE: N/A : N/A	: N/A :			1



PROJECT NUMI					EALTH EDISON ENTIFICATION				THE RESERVE TO SERVE		OOD STATION & 2)	PAGE DATE	:	360 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT		MEG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER
1LT-PC002	PC	DIFFERENTIAL PRESSURE TRANSMITTER	F/L2702 L/L2906		764					C 6		1PCO22-23		CGAEGH
1LT-PCOO3	PC	DIFFERENTIAL PRESSURE TRANSMITTER	F/L2702 L/L2906	BRN	764	CNT	7	В	0377	C 6		1PC026-27	В	C6AE6H
1LT-PCOO6	PC	DIFFERENTIAL PRESSURE TRANSMITTER	F/L2702 L/L2906	ERN	764	CNT	9	С	0377	C 6		1PC038-39	В	Сбаебн
1LT-PCOO7	PC	DIFFERENTIAL PRESSURE TRANSMITTER	F/L2702 L/L2906	BRN	764	CNT	9	С	0377	C 6		1PCO42-43	В	CGAEGH
2LT-PC002	PC	DIFFERENTIAL PRESSURE TRANSMITTER	F/L2702 L/L2906	BRN	764	CNT	6	В	0377	C 6		1PC022-23	В	CGAEGH
2LT-PC003	PC	DIFFERENTIAL PRESSURE TRANSMITTER	F/L2702 L/L2906	BRN	764	CNT	7	В	0377	C 6		1PC026-27	В	CGAEGH
2LT-PC006	PC	DIFFERENTIAL PRESSURE TRANSMITTER	F/L2702 L/L2906	BRN	764	CNT	9	С	0377	C 6		1PC038-39	В	CGAEGH
2LT-PCOO7	PC	DIFFERENTIAL PRESSURE TRANSMITTER	F/L2702 L/L2906	BRN	764	CNT	9	С	0377	C 6		1PC042-43	В	C6AE6H



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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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: DIFFERENTAIL PRESSURE TRANSMITTER

MANUF. : BARTON

MODEL SUPP: 764

	PLT DES		IFICATIO		METH	CATION	: QUALIFICATION : DOCUMENT REFERENCE	: REMARKS	: COMP	
		:====		= ; =:				**;********************************		= :
TEMP DEG F	320		420		TYPE	TEST	:ITT BARTON REPORT NO.	REFER TO ENVIRONMENTAL QUALIFICATION BINDER	: CGAEG	H:
		:					:R3-7649, REV. 3 DATED	:NO. EQ-BBO63 FOR COMPLETE DOCUMENTATION		
PRESS PSIG	50	1	75	1	TYPE	TEST	: 10/05/82	:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.		- 3
									1	
REL HUMIC %	100	:	100	-	TYPE	TEST		나왔다면 하고 있다면 하나 있다. 그들은 이 사람이 되었다.		
		3								
RADIATION	2E08	:	2E08	:	TYPE	TEST				1
		:		1					1	1
CHEM SPRAY	. 15 GPI	1: 5	.9 GPH/	*	TYPE	TEST				-
	:/SQ.FT		SQ.FT.	2						2
DPE THE MN	CONT.	4	CONT.	1	TYPE	TEST			1	-
		:		:						:
QUAL. LIFE	40 YRS	: 4	O YRS.		TYPE	TEST			2	-
		:		1					1	*
SUBMERGENCE	N/A		N/A		N/	A			100	*
										- 5



	ROJECT NUME		: 4391-00 : 0	СОМ		EALTH EDISON	DAT					OOD STATION & 2)	PAGE DATE	:	362 OF 477 O1 SEP 84
	OUIPMENT NUMBER -934	SY == SI			MFG ===	TYPE/MODEL	BDG .===	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER ====================================
			SENSOR												COME /D
191	-935	SI	PRESSURE SENSOR	F/L2702	BRN	351	CNT	800	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	800	R	0426	C 6				C6AE7D
												1-4109J			



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 363 OF 477 DATE : 01 SEP 84

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

PARA	METER	:PLT	DES:	NTQUALIFICATION	: METI	HOD	: DOCUMENT	FICATION REFERENCE	:	REMARKS	: COMP :NUMBER
TEMP	DEG F					TEST	:WESTINGHOUSE			ENTAL QUALIFICATION BIND OR COMPLETE DOCUMENTATION	ER : CGAE7D
PRES	S PSIG		50 :	75	TYPE					D WITH THIS EQUIPMENT.	
REL	HUMID %	: 10	00 :	100	: TYPE	TEST					
RADI	ATION		EE :	6.8E07	TYPE	TEST					
CHEN	SPRAY	: SI	the second second	2750PPM/H3B03 PH 10.4	TYPE	TEST			CHEM SPRAY (PLT D	ES) RADIATION (PLT D	ES)
OPE	TME MN	7.07.00			TEST/A	NALYSIS			:3000 PPM H3B03 :30% NAOH	6.8EO7 10YRS. + POST DBE	
QUAL	. LIFE	:40	YRS.:	10 YRS.	TEST/A	NALYSIS			:PH 8.5-10.5 :.15 GPM/SQ.FT.	POST OBE	
SUBM	ERGENCE	. N	/A :	N/A	N,	/A					



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 364 OF 477 REVISION : 0 IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84 EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER NUMBER EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG CGL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER 1LT -459 RY LEVEL TRMSMTTER F/L2702 BRN 764 CNT 012 R 0383 C 6 6/20E-1-3511 C 1FWO18 CGAE35 6/20E-1-4030 RY05 1PL50J 6/20E-1-4105A 1LT -460 RY LEVEL TRNSMTTER F/L2702 **BRN 764** CNT 016 R 0383 C 6 6/20E-1-3511 C 1RY204 CGAE35 6/20E-1-4030 RY06 6/20E-1-4109C 1LT -461 RY LEVEL TRNSMTTER F/L2702 **BRN 764** CNT 007 R 0383 C 6 6/20E-1-3514 C 1FW024 CGAE35 6/20E-1-4030 RY07 1PL52J 6/20E-1-4105B 1LT -501 FW LEVEL TRNSMTTER F/L2702 BRN 764 CNT 012 R 0383 C 6 6/20E-1-3511 1FW018 C6AE35 6/20E-1-4031 FW01 1PL50J 6/20E-1-4105A 1LT -502 FW LEVEL TRNSMTTER F/L2702 **BRN 764** CNT 021 R 0383 C 6 6/20E-1-3512 1FW020 CGAE35 6/20E-1-4031 FW02 1PL52J 6/20E-1-4105N 1LT -503 FW LEVEL TRNSMTTER F/L2702 **BRN 764** CNT 005 R 0383 C 6 6/20E-1-3513 1FW022 C64E35 6/20E-1-4031 FW03 1PL75J 6/20E-1-4105T 1LT -504 FW LEVEL TRNSMTTER F/L2702 **BRN 764** CNT 007 R 0383 C 6 6/20E-1-3514 1FW024 C6AE35 6/20E-1-4031 FW04 1PL52J 6/20E-1-4105B 1LT -517 FW LEVEL TRNSMTTER F/L2702 **BRN 764** CNT 010 R 0401 C 6 6/20E-1-3534 C 1FW059 CGAE35 6/20E-1-/J30 FW11 1PL69J 6/20E-1-4101M 1LT -518 FW LEVEL TRNSMTTER F/L2702 **BRN 764** CNT 013 R 0412 C 6 6/20E-1-3541 CGAE35 6/20E-1-4030 FW07 6/20E-1-4109C 1LT -519 FW LEVEL TRNSMTTER F/L2702 **BRN 764** CNT 019 R 0412 C 6 6/20E-1-3544 C 1FW045 C6AE35 6/20E-1-4030 FW06 1PL57J 6/20E-1-4101A 1LT -527 FW LEVEL TRNSMTTER F/L2702 **BRN 764** CNT OUS R 0383 C 6 6/20E-1-3513 C 1FW061 C6AE35 6/20E-1-4030 FW12 1PL75J

6/20E-1-4105T



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 365 OF 477 REVISION : 0 IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84 EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER NUMBER EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER 1LT -528 FW LEVEL TRNSMTTER F/L2702 BRN 764 CNT 019 R 0412 C 6 6/20E-1-3542 C CGAE35 6/20E-1-4030 FW08 6/20E-1-4109C 1LT -529 FW LEVEL TRNSMTTER F/L2702 BRN 764 CNT 017 R 0412 C 6 6/20E-1-3542 1FW039 C6AE35 6/20E-1-4030 FW05 1PL71J 6/20E-1-41050 1LT -537 FW LEVEL TRNSMTTER F/L2702 BRN 764 CNT 005 R 0383 C 6 6/20E-1-3513 C 1FW061 CGAE35 6/20E-1-4030 FW13 1PL75J 6/20E-1-4105T 1LT -538 FW LEVEL TRNSMTTER F/L2702 BRN 764 CNT 020 R 0412 C 6 6/20E-1-3542 C6AE35 6/20E-1-4030 FW09 6/20E-1-4109C 1LT -539 FW LEVEL TRNSMTTER F/L2702 BRN 764 CNT 017 R 0412 C 6 6/20E-1-3542 1FW039 CGAE35 6/20E-1-4030 FW05 1PL71J 6/20E-1-4105Q 1LT -547 FW LEVEL TRNSMTTER F/L2702 **BRN 764** 0401 C 6 6/20E-1-3534 CNT 010 R C 1FW059 CGAE35 6/20E-1-4030 FW14 1PL69J 6/20E-1-4101M 1LT -548 FW LEVEL TRNSMTTER F/L2702 BRN 764 CNT 012 R 0412 C 6 6/20E-1-3541 CGAE35 6/20E-1-4030 FW10 6/20E-1-4109C 1LT -549 FW LEVEL TRNSMTTER F/L2702 BRN 764 CNT 009 R 0412 C 6 6/20E-1-3544 C 1FW045 CGAE35 6/20E-1-4030 FW06 1PL57J 6/20E-1-4101A 1LT -556 FW LEVEL TRNSMTTER F/L2702 **BRN 764** CNT 015 R 0412 C 6 6/20E-1-3541 1FW700 CGAE35 6/20E-1-4031 FW24 1PL56J 6/20E-1-4105F 1LT -557 FW LEVEL TRNSMTTER F/L2702 **BRN 764** CNT 002 R 0412 C 6 6/20E-1-3543 1FW703 CGAE35 6/20E-1-4031 FW25 1PL72J 6/20E-1-4105R FW LEVEL TRNSMTTER F/L2702 1LT -558 **BRN 764** CNT 002 R 0412 C 6 6/20E-1-3542 1FW702 C6AE35 6/20E-1-4031 FW25 1PL72J 6/20E-1-4105R



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 366 OF 477 REVISION IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84 EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER NUMBER EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO NUMBER 1LT -559 FW LEVEL TRNSMTTER F/L2702 BRN 764 CNT 002 R 0416 C 6 6/20E-1-3544 1FW701 CGAE35 6/20E-1-4031 FW24 6/20E-1-4109C 2LT -459 RY LEVEL TRNSMTTER F/L2702 BRN 764 CNT 028 UX 0377 C 6 6/20E-2-3511 C 2FW018 C6AE35 6/20E-2-4030 RY05 2PL50J 6/20E-2-4105A 2LT -460 RY LEVEL TRNSMTTER F/L2702 BRN 764 CNT 029 UX 0381 C 6 6/20E-2-3511 C 2RY204 C6AE35 6/20E-2-4030 RY06 6/20E-2-4109C 2LT -461 RY LEVEL TRNSMTTER F/L2702 BRN 764 CNT 024 VX 0377 C 6 6/20E-2-3514 C 2FW024 C6AE35 6/20E-2-4030 RY07 2PL52J 6/20E-2-4105B 2LT -501 FW LEVEL TRNSMTTER F/L2702 **BRN 764** CNT 028 UX 0377 C 6 6/20E-2-3511 2FW018 C6AE35 6/20E-2-4031 FW01 2PL50J 6/20E-2-4105A 2LT -502 FW LEVEL TRNSMTTER F/L2702 **BRN 764** CNT 026 VX 0377 C 6 6/20E-2-3512 2FW020 C6AE35 6/20E-2-4031 FW02 2PL67J 6/20L-2-4105N 2LT -503 FW LEVEL TRNSMTTER F/L2702 **BRN 764** CNT 024 UX 0377 C 6 6/20E-2-3513 2FW022 CGAE35 6/20E-2-4031 FW03 2PL75J 6/20E-2-4105T 2LT -504 FW LEVEL TRNSMTTER F/L2702 **BRN 764** CNT 024 VX 0377 C 6 6/20E-2-3514 2FW024 C6AE35 6/20E-2-4031 FW04 2PL52J 6/20E-2-4105B 2LT -517 FW LEVEL TRNSMTTER F/L2702 **BRN 764** CNT 026 UX 0401 C 6 6/20E-2-3534 C 2FW059 CGAE35 6/20E-2-4030 FW11 2PL69J 6/20E-2-4105M 2LT -518 FW LEVEL TRNSMTTER F/L2702 **BRN 764** CNT 028 UX 0412 C 6 6/20E-2-3541 C 2FW051 CGAE35 6/20E-2-4030 FW07 6/20E-2-4109C 2LT -519 FW LEVEL TRNSMTTER F/L2702 BRN 764 CNT 025 UX 0412 C 6 6/20E-2-3544 C 2FW044 CGAE35 6/20E-2-4030 FW06 2PL57J 6/20E-2-4105G



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 367 OF 477 REVISION : 0 IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84 EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER NUMBER EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER 2LT -527 FW LEVEL TRNSMTTER F/L2702 BRN 764 CNT 024 XX 0377 C 6 6/20E-2-3513 C 2FW061 A CGAE35 6/20E-2-4030 FW12 2PL75J 6/20E-2-4105T 2LT -528 FW LEVEL TRNSMTTER F/L2702 **BRN 764** CNT 028 YX 0401 C 6 6/20E-2-3542 C 2FW053 CGAE35 6/20E-2-4030 FW08 6/20E-2-4109C 2LT -529 FW LEVEL TRNSMTTER F/L2702 BRN 764 CNT 028 YX 0412 C 6 6/20E-2-3542 2FW039 CGAE35 6/20E-2-4030 FW05 2PL71J 6/20E-2-4105Q 2LT -537 FW LEVEL TRNSMTTER F/L2702 BRN 764 CNT 024 XX 0377 C 6 6/20E-2-3513 C 2FW061 CGAE35 6/20E-2-4030 FW13 2PL75J 6/20E-2-4105T 2LT -538 FW LEVEL TRNSMTTER F/L2702 BRN 764 CNT 028 YX 0401 C 6 6/20E-2-3542 C 2FWO55 CGAE35 6/20E-2-4030 FW09 6/20E-2-4109C 2LT -539 FW LEVEL TRNSMTTER F/L2702 CNT 028 YX 0412 C 6 6/20E-2-3542 BRN 764 2FW039 C6AE35 6/20E-2-4030 FW05 2PL71J 6/20E-2-41050 2LT -547 FW LEVEL TRNSMTTER F/L2702 **BRN 764** CNT 026 UX 0401 C 6 6/20E-2-3534 C 2FW059 C6AE35 6/20E-2-4030 FW14 2PL69J 6/20E-2-4105M 2LT -548 FW LEVEL TRNSMTTER F/L2702 BRN 764 CNT 028 UX 0412 C 6 6/20E-2-3541 C 2FW057 CGAE35 6/20E-2-4030 FW10 6/20E-2-4109C 2LT -549 FW LEVEL TRNSMTTER F/L2702 BRN 764 CNT 025 UX 0412 C 6 6/20E-2-3544 C 2FW049 CGAE35 6/20E-2-4030 FW06 2PL57J 6/20E-2-4101A 2LT -556 FW LEVEL TRNSMTTER F/L2702 **BRN 764** CNT 029 VX 0412 C 6 6/20E-2-3541 2FW700 CGAE35 6/20E-2-4031 FW24 2PL56J 6/20E-2-4105F 2LT -557 FW LEVEL TRNSMTTER F/L2702 **BRN 764** CNT 025 YX 0412 C 6 6/20E-2-3543 2FW703 CGAE35 6/20E-2-4031 FW25 2PL72J

6/20E-2-4105R



REVISION		: 4391	-00	COM		ENTIFICATION						00D STATION & 2)	PAGE DATE	:	368 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY.==	EQ	YPE OF UIPMENT		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
2LT -558	FW	LEVEL	TRNSMTTER	F/L2702	BRN							6/20E-2-3542 6/20E-2-4031 FW25 6/20E-2-4105R	2FW702	Α	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	CGAE35



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 369 OF 477 DATE : 01 SEP 84

CGAE35

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

PARAMETER		RONME!	UALIFICATION		FICATION THOD		IFICATION IT REFERENCE	E	:	PEMARKS	: COMP
	:==:	:	***********	:====							E:=====
TEMP DEG F	:320	MAX:	420 MAX	: TYP	E TEST	:WESTINGHOUS	E EQUIPMENT	QUAL	REFER TO ENVIRONMENTA	L QUALIFICATION BINDER	:CGAE35
				:		: TEST REPORT	EO3A.	-		OMPLETE DOCUMENTATION	· COMES
PRESS PSIG	: 5	50 :	57	: TYP	E TEST				: PACKAGE ASSOCIATED WI		
	:									THE THE SECOND STATE OF TH	
REL HUMID '	6:	100 :	95	: TYP	E TEST				: O-RINGS QUALIFIED FOR	2 VPS	
	1	3							· · · · · · · · · · · · · · · · · · ·	2 103.	
RADIATION	:1.3	BEO7G:	5E07G	: TYP	E TEST						
	:1.6	SEOSB:	9E08B								
CHEM SPRAY	: 5	SEE :	SEE	: TYP	E TEST				CHEM SPRAY(PLT DES)	QUALIFICATION	
	:REM	MARKS:	REMARKS						:	COMETITICATION	
DPE TME MN	: SH	HORT :	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	711 10.7	
	2								:.15 GPM/SQ.FT.		*
SUBMERGENC		1/A :	N/A	: 11	N/A						



PROJECT NUMBER: 4391-00

## SARGENT & LUNDY ENGINEERS COMPONENT QUALIFIC. TION DIVISION

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION

IDENTIFICATION DATA SHEET (UNITS 1 & 2) REVISION : 0 DATE : 01 SEP 84 EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER NUMBER EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER 1FT -414 RC FLOW TRANSMITTR F/L2702 BRN 752 CNT 012 R 0381 C 6 6/20E-1-3511 C 1FW018 C CGAE40 6/20E-1-4030 RC09 1PL50J 6/20E-1-4105A 1FT -415 RC FLOW TRANSMITTR F/L2702 **BRN 752** CNT 016 R 0381 C 6 6/20E-1-3517 C 1RC376 CGAE40 6/20E-1-4030 RC10 6/20E-1-4109C 1FT -416 RC FLOW TRANSMITTR F/L2702 BRN 752 CNT 007 R 0381 C 6 6/20E-1-3514 C 1FW024 C CGAE40 6/20E-1-4030 RC15 1PL52J 6/20E-1-4105B 1FT -424 RC FLOW TRANSMITTR F/L2702 BRN 752 C 1RC359 CNT 001 R 0379 C 6 6/20E-1-3513 C6AE40 6/20E-1-4030 RC09 1PL66J 6/20E-1-4105M 1FT -425 RC FLOW TRANSMITTR F/L2702 0381 C 6 6/20E-1-3512 BRN 752 CNT 021 R 1FW020 C6AE40 6/20E-1-4030 RC10 1PLE7J 6/20E-1-4105N 1FT -426 RC FLOW TRANSMITTR F/L2702 BRN 752 CNT 007 R 0381 C 6 6/20E-1-3542 C 1RC410 CGAE40

CNT OO1 R

CNT 021 R

CNT 007 R

CNT 012 R

CNT 016 R



C6AE40

CGAE40

C6AE40

CGAE40

C6AE40

PAGE

C 1RC364

1FW020

C 1RC426

C 1FWO18

C 1RC405

6/20E-1-4030 RC15 G/20E-1-4109C

6/20E-1-4105M

6/20E-1-4105N

6/20E-1-4105A

6/20E-1-4030 RC16 6/20E-1-4109C

6/20E-1-4030 RC12 6/20E-1-4109C

6/20E-1-4030 RC11 1PL66J

6/20E-1-4030 RC12 1PL67J

6/20E-1-4030 RC11 1PL50J

0381 C 6 6/20E-1-3513

0379 C 6 6/20E-1-3512

0381 C 6 6/20E-1-3544

0380 C 6 6/20E-1-3511

0381 C 6 6/20E-1-3511

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1FT -434

1FT -435

1FT -436

1FT -444

1FT -445

RC FLOW TRANSMITTR F/L2702

BRN 752

BRN 752

BRN 752

BRN 752

BRN 752

PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 371 OF 477
REVISION : O IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84

EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.		TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
FT -446	RC FLC	W TRANSMITTR	F/L2702	BRN			007			C 6		1FW024 1PL52J	C	C6AE4O
FT -414	RC FLC	W TRANSMITTR	F/L2702	BRN	752	CNT	028	UX	0377	C 6		2FWO18 2PL5OJ	С	C6AE40
FT -415	RC FLC	W TRANSMITTR	F/L2702	BRN	752	CNT	029	ux	0381	C 6	6/20E-2-3517 C 6/20E-2-4030 RC10 6/20E-2-4109C	2RC376	С	C6AE40
FT -416	RC FLC	W TRANSMITTR	F/L2702	BRN	752	CNT	024	СХ	0377	C 6	6/20E-2-3514 C 6/20E-2-4030 RC15 6/20E-2-4105B	2FW024 2PL52J	С	C6AE40.
FT -424	RC FLC	W TRANSMITTR	F/L2702	BRN	752	CNT	026	YX	0377	C 6	6/20E-2-3513 C 6/20E-2-4030 RC09 6/20E-2-4105M	2RC359 2PL66J	С	C6AE40
FT -425	RC FLC	W TRANSMITTR	F/L2702	BRN	752	CNT	028	YX	0377	C 6	6/20E-2-3512 6/20E-2-4030 RC10 6/20E-2-4105N	2FW020 2PL67J	С	C6AE40
FT -426	RC FLC	W TRANSMITTR	F/L2702	BRN	752	CNT	028	YX	0377	C 6	6/20E-2-3542 C 6/20E-2-403J RC15 6/20E-2-4109C	2RC410	С	C6AE40
FT -434	RC FLC	W TRANSMITTR	F/L2702	BRN	752	CNT	026	YX	0377	C 6		2RC364 2PL66J	С	C6AE4O
FT -435	RC FLC	W TRANSMITTR	F/L2702	BRN	752	CNT	026	YX	0377	C 6	6/20E-2-3512 6/20E-2-4030 RC12 6/20E-2-4105N	2FW020 2PL67J	С	C6AE40
FT -436	RC FLC	W FRANSMITTR	F/L2702	BRN	752	CNT	028	YX	0377	C 6	6/20E-2-3544 C 6/20E-2-4030 RC16 6/20E-2-4109C	2RC426	С	C6AE40
FT -444	RC FLC	W TRANSMITTR	F/L2702	BRN	752	CNT	028	ux	0377	C 6	6/20E-2-3511 C 6/20E-2-4030 RC11 6/20E-2-4105A	2FW018 2PL50J	С	C6AE4O



PROJECT NUME REVISION		0	ALL DESCRIPTION OF THE PARTY OF	COM		EALTH EDISON (			HEET			VOOD STATION	PAGE DATE	:	372 OF 477 O1 SEP 84
***********		E	TYPE OF QUIPMENT TRANSMITTR			. ===========	BDG	COL	ROW	ELEV	ZONE	8 SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO. 6/20E-2-3511 C 6/20E-2-4030 RC12 6/20E-2-4109C	PANEL NO	CAT.	COMPUTER NUMBER .====================================
2FT -446	RC	FLOW	TRANSMITTR	F/L2702	BRN	752	CNT	024	vx	0377	С 6	6/20E-2-3514 C 6/20E-2-4030 RC15 6/20E-2-4105B	2FW024 2PL52J	С	C6AE40



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION REVISION : 0 QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 373 OF 477 DATE : 01 SEP 84

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

PARAMETER			ALIFICATIO				: QUALI : DOCUMENT	FICATION REFERENCE	: R	EMARKS	: COMP : NUMBE
TEMP DEG F	12	0 :	130 MAX		TYPE	TEST	:WESTINGHOUSE	The second of th	REFER TO ENVIRONMENTA		:C6AE4
PRESS PSIG	0		0	-	TYPE	TEST	:	7-95 - 31 - 31 - 31 - 31 - 31 - 31 - 31 - 3	:NO. EQDP-ESE-4 FOR CO		
EL HUMID %	50		95	-	TYPE	TEST					
			4505	1	TURE					TRED TO OPERATE POST LOC	Α:
ADIATION :	REMA		1EO5		TYPE	IEST			:QUALIFICATION IS FOR	NORMAL OPERATION.	
HEM SPRAY	SE		N/A	1	TYPE	TEST			CHEM SPRAY (PLT DES)	RADIATION (PLT DES)	
PE THE MN		1000000	N/A		TYPE	TEST			:3000 PPM H3B04	3E04 RADS (40 YRS.)	
UAL. LIFE	REMA		5 YRS.	1	TYPE	TEST			:30 % NAOH :PH 8.5-10.5	1FT-414 & 444 1EO5 (30 YRS.)	
one. erre		:	3 183.						:	1203 (30 183.)	
UBMERGENCE :	N/	Δ :	N/A	-	N/	A	:				1



PROJECT NUMBER: 4391-00 REVISION : 0		COMPANY - BYRON/BRAIDWOOD STAT DATA SHEET (UNITS 1 & 2)	ION PAGE DATE	: 374 OF 477 : 01 SEP 84
	NT SPEC.NO. MFG TYPE/MODEL	LOCATION ENVR SCHEMAT BDG COL ROW ELEV ZONE WIRING  CNT O11 VX O394 C 6 6/20E-1 6/20E-1	GIAGRAM NO. PANEL NO CAT	NUMBER
1FIS-CC064 CC FLOW INDIC	CATING F/L2906 BRN 581A FS35	CNT 012 VX 0382 C 6 6/20E-1 6/20E-1 6/20E-1	-4030CC13	C6AE41



PROJECT NUMBER: 4391-00
REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 375 OF 477 DATE : 01 SEP E4

CGAE41

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 10050 & 10053

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

ARAMETER			LIFICATIO		FICATION THOD	: QUALIF	ICATION REFERENCE	: REM	MARKS	: COMP : NUMBER
EMP DEG F	320		340	: TYP	TEST	BARTON REPORT	NO.R3-580A-9	:REFE. TO ENVIRONMENTAL	QUALIFICATION BINDER	: C6AE41
RESS PSIG		- 5	80	TVD		: VOLUMES 1,2,3		:NO. EQ-BB053 FOR COMPLE		
KC33 F310	. 50	1	80	: 111		: JIO SUBMITTED : LETTER OF 01/0		:PACKAGE ASSOCIATED WITH	THIS EQUIPMENT.	4
EL HUMID %	100	1	100	: TYP	ETEST			:CHEM SPRAY (PLT. DES.)	(QUAL.)	
				3				:		5
ADIATION	2201		2E08	TYP	ETEST			:.28 M H3B03	THE THEFTH THEMSE GOOD	
HEM SPRAY	SEE		SEE	TYP	TEST			:.064 M NA2S03 :NAOH TO MAKE PH 10.5	PPM BORON) .064 MOLAR NA2S203	
	REMARK		REMARKS	1					NACH TO MAKE PH 10.7	5:
PE THE MN	CONT		CONT.	: TYP	TEST					
JAL. LIFE	40 VP		40 YRS.	TVD	TEST			: JIO FOR PRESENTLY INSTA		
			40 183.		1631			SUBMITTED TO NRC 01/05/	84.	
JBMERGENCE	: N/A	1	N/A	. 1	N/A					
		2								



	ROJECT NUME EVISION	BER: 4391-00 : 0	сом		EALTH EDISON ENTIFICATION							PAGE DATE	:	376 OF 477 O1 SEP 84
	QUIPMENT NUMBER -403	TYPE OF SY EQUIPMEN RC PRESSURE TRANSMITTER	F/L2702	MFG .===	TYPE/MODEL 763	BDG.	COL	ROW .===	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO. 	Control of the Contro	0583 CAT.	COMPUTER NUMBER .========== C6AE36
1PT	-455	RY PRESSURE TRANSMITTER	F/L2702	BRN	763	CNT	012	R	0383	C 6	6/20E-1-3511 C 6/20E-1-4030 RYO1 6/20E-1-4105A	1FW018 1PL50J	A	C6AE36
1PT	-456	RY PRESSURE TRANSMITTER	F/L2702	BRN	763	CNT	016	R	0383	C 6	6/20E-1-3511 C 6/20E-1-4030 RY02 6/20E-1-4109C	1RY202	Α	C6AE36
1PT	-457	RY PRESSURE TRANSMITTER	F/L2702	BRN	763	CNT	007	R	0383	C 6	6/20E-1-3514 C 6/20E- 6/20E-1-4111C	1RY207 1PL52J	Α	C6AE36
1PT	-458	RY PRESSURE TRANSMITTER	F/L2702	BRN	763	CNT	005	R	0383	C 6	6/20E-1-3513 6/20E-1-4030 RY04 6/20E-1-4105T	1RY211 1PL75J	Α	C6AE36
2PT	-403	RC PRESSURE TRANSMITTER	F/L2702	BRN	763	CNT	028	UX	0377	C 6	6/20E-2-3513 C 6/20E- 6/20E-2-4111D	2RC224 2PL75J	D	C6AE36
2PT	-455	RY PRESSURE TRANSMITTER	F/L2702	BRN	763	CNT	028	sx.	0377	C 6	6/20E-2-3511 C 6/20E-2-4030 RY01 6/20E-2-4105A	2FW018 2PL50J	A	C6AE36
2PT	-456	RY PRESSURE TRANSMITTER	F/L2702	BRN	763	CNT	025	ux	0381	C 6	6/20E-2-3511 C 6/20E-2-4030 RYO2 6/20E-2-4109C	2RY2O2	Α	C6AE36
2PT	-457	RY PRESSURE TRANSMITTER	F/L2702	BRN	763	CNT	024	VX	0377	C 6	6/20E-2-3514 C 6/20E- 6/20E-2-4111C	2RY2O7 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 RY04 6/20E-2-4105T	2FW061 2PL75J	A	C6AE36



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 377 OF 477 DATE : 01 SEP 84

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

		UALIFICATION		CONTRACTOR OF THE PROPERTY.			REMARKS	: COMP
						**********	. nerestrictives essentially essential essenti	- TAPPER
							: REFER TO ENVIRONMENTAL QUALIFICATION BINDER	: CGAE36
	1 1		4		: TEST REPORT	EO1A.	:NO. EQDP ESE-1A FOR COMPLETE DOCUMENTATION	
RESS PSIG	: 50 :	57	: TYPE	TEST			:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
	1 1		4					2
EL HUMID %	: 100 :	100	TYPE	TEST				
			5					
ADIATION	: 1.3E07G:	5E07G	: TYPE	TEST				
	: 1.6E08B:	9E08B	5					
EM SPRAY	: SEE :	0.19GPM/	: TYPE	TEST			CHEM SPRAY (PLT DES)	
	: REMARKS :	SQFT PH 10.7	2					
E THE MN				TEST			:3000 PPM H3B03	
							:30 % NADH	
IAL. LIFE	:40 YRS .:	6 YRS.	:TEST/AN	MALYSIS			:PH 8.5-10.5	
			2				:.15 GPM/SQ.FT.	
BMERGENCE	: N/A :	N/A	: N/	A			O RING QUALIFIED FOR 2 YRS.	1911
Service London Same	1						The same and a same a s	



	PROJECT NUM REVISION		: 4391-00 : 0	СОМ		ENTIFICATION	DAT		HEET			OOD STATION 8 2)	PAGE		:	378 OF 477 O1 SEP 84
1	EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/	PANEL	NO	0588 CAT.	COMPUTER NUMBER
1RI	E -ARO2O	AR	RADIATION DETECTOR	F/L2827		RD23				451			. ====		A	C6AE42
1Ri	E -ARO21	AR	RADIATION DETECTOR	F/L2827	GAC	RD23	CNT	011	GX	451	C 6				Α	C6AE42
2RI	E -ARO2O	AR	RADIATION DETECTORS	F/L2827	GAC	RD23	CNT	024	WX	0512	C 6	6/20E-2-3570 C AR020 6/20-	2AR 18	,	A	C6AE42
2RI	E -ARO21	AR	RADIATION DETECTORS	F/L2827	GAC	RD23	CNT	005	WX	0512	C 6	6/20E-2-3570 C 6/20E- ARO21	2AR 19	3	A	C6AE42



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 379 OF 477 DATE : 01 SEP 84

CGAE42

SPEC. NUM.: F/L2827

SYSTEM : AR

SAFETY CAT: A

FUNCTION : DETECTS RADIATION FR. 1EOO TO 1EO8 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

		DES:Q	UALIFICATI			CATION		REFERENCE		REM	ARKS	:N	COMP
EMP DEG F	: 32	20 :	320		TYPE	TEST	GENERAL ATOMIC	REPORT NO.	REFER TO ENVIRONME	NTAL	QUALIFICATION BINDS		6AE42
		1119					:E-254.960, 'DES	SIGN QUAL.	NO. EQ-BB034 FOR C	OMPLE	TE DOCUMENTATION		
RESS PSIG	: 50	) :	77	- 13 -	TYPE		The second secon	and the same of th	PACKAGE ASSOCIATED				
	:						: RADIATION MONI						
EL HUMID %	: 10	00 :	100		TYPE		REVISION DATES						
	:												
DIATION	: 28	: 80	2E08	4.1	ANAL	YSIS							
	:			1								tore like	
EM SPRAY	: SE	E :	SEE		TYPE	TEST			PLT. DES.		QUAL.		
	: REMA	RKS:	REMARKS										
E TME MN	: COM	IT. :	CONT.		TYPE	TEST			O.28M H3BO3		O. 28M H3BO3		
	:								0.064M NA2 S203		0.064M NA2 S203		
AL. LIFE	:40 )	RS.:	40 YRS.	1 2	ANAL	YSIS			BUFFERED TO PH OF	10.5	BUFFERED TO PH OF	10.5:	
	:										WITH NAOH		
BMERGENCE	: N/	A :	N/A		N/	Α						10 8	
	:		A Property of	1									



PROJECT NUM	MBER	: 4391-00 : 0	COM		EALTH EDISON ENTIFICATION						OOD STATION & 2)	PAGE DATE	:	380 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL						SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
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	В	C6AFO4
2AP84EB	AP	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	026	WX	0420	C 6	6/20E-2-9342 6/20E- 6/20E-2-4300	2EW047	В	C6AFO4
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	В	C6AFO4
2AP85EA	AP	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	028	SX	0422	C 6	6/20E-2-3541 6/20E- 6/20E-2-4301A	210061	В	C6AFO4
2AP85EB	AP	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	028	SX	0435	C 6	6/20E-2-3343 6/20E- 6/20E-2-4301B	21C142	В	C6AFO4
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	В	C6AFO4
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	В	C6AFO4
2CQ01E	co	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	030	wx	0426	C 6	6/20E- 6/20E- 6/20E-	2PR501	В	C6AFO4
2CQ02E	cq	ELECTRICAL PENETPATION	F/L2804	BRC	PENETRATION	CNT	030	YX	0397	C 6	6/20E-2-3318 C 6/20E- 6/20E-	2PR203	В	C6AFO4
21C19E	IC	ELECTRICAL PENETRATION	F/L2804 -01	BRC	PENETRATION	CNT	024	UX	0418	C 6	6/20E-2-3342 C 6/20E- 6/20E-2-4313	21C153	В	C6AFO4
2LVO1E	LV	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	026	sx	0422	C 6	6/20E-2-3544 6/20E- 6/20E-2-4303	217002	В	C6AFO4



PROJECT NUM REVISION		: 4391-00	COM		EALTH EDISON ENTIFICATION						OOD STATION & 2)	PAGE DATE	:	381 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.		TYPE/MODEL		COL		ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		C588 CAT.	COMPUTER NUMBER
2LVO2E	LV	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	* 1	UX			6/20E-2-3342 6/20E- 6/20E-2-4304A	2CC 104	В	C6AFO4
2LVO3E	LV	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	024	wx	0439	C 6	6/20E-2-3343 6/20E- 6/20E-2-4307B	2CV127	В	C6AFO4
2LVO4E	LV	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	024	ux	0439	C 6	6/20E-2-3352 6/20E- 6/20E-2-4306A	210166	В	C6AFO4
2LVO5E	LV	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	026	SX	0422	C 6	6/20E-2-354! 6/20E- 6/20E-2-4307D	211068	В	CSAFO4
ELVO6E	LV	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	024	UX	0435	C 6	6/20E-2-3352 6/20E- 6/20E-2-4308D	211274	В	C6AFO4
LVO7E	LV	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	024	UX	0414	C 6	6/20E-2-3342 6/20E- 6/20E-2-4309C	200010	В	C6AFO4
LVOSE	LV	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	026	SX	0426	C 6	6/20E-2-3353 6/20E- 6/20E-2-4310E	2FW685	В	C6AF04
NRO1E	NR	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	024	vx	0418	C 6	6/20E-2-3342 C 6/20E- 6/20E-2-4312A	2NR035	В	C6AFO4
NRO2E	NR	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	028	SX	0435	C 6	6/20E-2-3353 C 6/20E- 6/20E-2-4312B	2NR 130	В	C6AFO4
NRO3E	NR	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	028	sx	0435	C 6	6/20E-2-3578 6/20E- 6/20E-2-4312C	2NR095	В	CGAFO4
NRO4E	NR	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	025	UX	0435	C 6	6/20E-2-3352 C 6/20E- 6/20E-2-4312D	2NR 127	В	C6AFO4



PROJECT NUM	MBER	: 4391-00 : 0	COM		EALTH EDISON ENTIFICATION						OOD STATION 8 2)	PAGE DATE	:	382 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.		TYPE/MODEL	BDG	COL	ROW	ELEV		SCHEMATIC DIAGRAM, WIRING DIAGRAM NO		0588 CAT.	COMPUTER NUMBER
2RCG1E	RC	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	*	*		0434	*	6/20E-2-3541 6/20E- 6/20E-2-4315	2RC003	8	C6AFO4
2RCO2E	RC	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	028	SX	0439	C 6	6/20E-2-3551 6/20E- 6/20E-2-4315	2RC024	В	C6AFO4
2RCO3E	RC	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	024	VX	0439	C 6	6/20E-2-3554 6/20E- 6/20E-2-4315	2RCO46	В	C6AFO4
2RCO4E	RC	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	024	ux	0422	C 6	6/20E-2-3342 6/20E- 6/20E-2-4315	2RC066	В	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	2RD140	В	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	2RD131	В	C6AFO4
2RD 15E	RD	ELECTRICAL PENETRATION	F/L280;	BRC	PENETRATION	CNT	026	sx	0435	C 6	6/20E-2-3353 6/20E- 6/20E-2-4318	280164	В	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	2RD161	В	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	2RD158	В	C6AFO4
2RYO4E	RY	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	024	ux	0422	C 6	6/20E-2-3342 6/20E- 6/20E-2-4322A	2RY063	В	C6AFO4
2RYO5E	RY	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	024	UX	0435	C 6	6/20E-2-3352 6/20E- 6/20E-2-4322B	2RY192	В	C6AFO4



PROJECT NUM REVISION	BER	: 4391-00 : 0	COM		EALTH EDISON ENTIFICATION						OOD STATION & 2)	PAGE DATE	:	383 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
2RYOGE	*	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION		71		0426	•	6/20E-2-3352 C 6/20E- 6/20E-2-4322C	2RY 150	В	C6AFO4
2RYO7E	RY	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	024	UX	0422	C 6	6/20E-2-3342 C 6/20E- 6/20E-2-4322D	2RY099	В	C6AFO4
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	C6AFO4
2S102E	SI	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	024	UX	0435	C 6	6/20E-2-3352 C 6/20E- 6/20E-2-4325	251097	Α	C6AFO4
2S103E	SI	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	026	SX	0422	C 6	6/20E-2-3343 6/20E- 6/20E-2-4326D	251089	Α	C6AFO4
2SI04E	SI	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	024	UX	0435	C 6	6/20E-2-3352 C 6/20E- 6/20E-2-4327C	251068	A	C6AFO4
2S105E	SI	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	024	ux	0429	C 6	6/20E-2-3342 C 6/20E- 6/20E-2-4328A	2FW017	Α	C6AFO4
2S106E	SI	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	026	PX	0429	C 6	6/20E-2-3353 C 6/20E- 6/20E-2-4329A	2FW019	A	C6AFO4
2S107E	SI	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	026	WX	0429	C 6	6/20E-2-3343 6/20E- 6/20E-2-4330A	2FW023	Α	C6AFO4
2SI08E	SI	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	025	SX	0418	C 6	6/20E-2-3352 C 6/20E- 6/20E-2-4331	2FW022	Δ	C6AFO4
2VPO1E	VP	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	028	sx	0422	C 6	6/20E-2-3541 6/20E- 6/20E-2-4333	2VP002	Α	C6AFO4



PROJECT NUM REVISION	BER	: 4391-00 : 0	COM		EALTH EDISON ENTIFICATION	DAT		- BYF			OOD STATION & 2)	PAGE DATE	:	384 OF 477 O1 SEP 84
EQUIPMENT NUMBER 2VPO2E		TYPE OF EQUIPMENT ELECTRICAL PENETRATION		MFG.		BDG	COL.	ROW . ===	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO. 6/20E-2-3353 C 6/20E- 6/20E-2-4333		0588 CAT.	COMPUTER NUMBER .====================================
2VP03E	VP	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	024	vx	0439	c 6	6/20E-2-3342 C 6/20E- 6/20E-2-4333	2VPO46	A	C6AFO4
2VPO4E	VP	ELECTRICAL PENETRATION	F/L2804	BRC	PENETRATION	CNT	024	ux	0439	C 6	6/20E-2-3352 C 6/20E- 6/20E-2-4333	2VP070	A	C6AFO4



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
QUALIFICATION DATA SHEET (UNITS 1 & 2)

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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; AMPHENDL NORTH AMERICA DIV.

MODEL SUPP: UNITIZED HEADER ASSEMBLY

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

		QUALIFICATIO			DOCUMENT REFERENCE	: REMARKS	: COMP : NUMBE
TEMP DEG F	320 :	340	: TYPE	TEST	:AMPHENOL REP. NO. 123-2220,	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER	:C6AFO
					:DESIGN QUAL. REP. FOR ELECT	.: NO. EQ-BB058 FOR COMPLETE DOCUMENTATION	
PRESS PSIG	: 50 :	105	: TYPE	TEST	:RICAL PENETRATION ASSEMBLIE	S:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
					:REV. 4. DATED 10/10/79.		
REL HUMID %	100 :	100	: TYPE	TEST	: AMPHENOL REP. NO. 123-2159.		
					QUAL. TEST PROCEDURE FOR	QUALIFICATION PENDING JUSTIFICATION BY EPED	& :
RADIATION	2E08 :	2E08-3E08	: TYPE	TEST	:NUCLEAR POWER GEN. STA.	:C&I REGARDING EXCESSIVE CURRENT LEAKAGE DURI	NG:
					:ELEC. PENET. ASSEMBLIES.	:LOCA.	
CHEM SPRAY	: O. 19GPM:	0.5 GPM/	: TYPE	TEST	:DATED 06/01/79.		
	:/SQ.FT.:	SQ.FT.	2				
OPE THE MN	: CONT. :	CONT.	: TYPE	TEST			
	: :		1				
QUAL. LIFE	:40 YRS .:	40 YRS.	: TYPE	TEST			2
	: :		:			맞이는 경기를 하는 아내가 되는 것 않는데 뭐 뭐 하는데 없다.	
SUBMERGENCE	: N/A :	N/A	: N	/A			
	5 3						



PROJECT NUM REVISION	BER	: 4391-00 : 0	COM		EALTH EDISON ENTIFICATION						OOD STATION 8 2)	PAGE DATE	!	386 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.		TYPE/MODEL	BDG	COL	ROW	ELEV		SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
1IC19E	IC	ELECTRICAL PENETRATION	F/L2804 -01	CNC	PENETRATION			March 10 14	0418			11C153	В	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	В	C6AF33
1LVO6E	LV	ELECTRICAL PENETRATION	F/L2804 -01	CNC	PENETRATION	CNT	011	ux	0435	C 6	6/20E-1-3352 6/20E- 6/20E-1-4308G	1AR004	В	C6AF33
1LV07E	LV	ELECTRICAL PENETRATION	F/L2804 -01	CNC	PENETRATION	CNT	012	UX	0422	C 6	6/20E-1-3342 C 6/20E- 6/20E-1-4309A	100010	В	C6AF33
1LVO8E	LV	PENETRATION	F/L2804 -01	CNC	PENETRATION	CNT	010	SX	0426	C 6	6/20E-1-3353 C 6/20E- 6/20E-1-4310F	1ARO12	В	C6AF33
1LVO9E	LV	PENETRA. TON	F/L2804 -01	CNC	PENETRATION	CNT	012	SX	0414	C 6	6/20E-1-3342 C 6/20E- 6/20E-1-4311	1AR024	Α	C6AF33
1LV10E	LV	PENETRATION	5/L2804	CNC	PENETRATION	CNT	012	UX	0426	C 6	6/20E-1-3352 C 6/20E- 6/20E-1-4311	1ARO29	A	C6AF33
1NRO1E	NR	ELECTRICAL PENETRATION	F/L2804 -01	CNC	PENETRATION	CNT	011	UX	0418	C 6	6/20E-1-3342 C 6/20E- 6/20E-1-4312A	1NRO35	В	C6AF33
1NRO2E	NR	ELECTRICAL PENETRATION	F/L2804 -01	CNC	PENETRATION	CNT	010	SX	0435	C 6	6/20E-1-3353 C 6/20E- 6/20E-1-4312B	1NR 130	В	C6AF33
1NRO3E	NR	ELECTRICAL PENETRATION	F/L2804 -01	CNC	PENETRATION	CNT	800	SX	0435	C 6	6/20E-1-3578 6/20E- 6/20E-1-4312C	1NR095	В	CGAF33
1NRO4E	NR	ELECTRICAL PENETRATION	F/L2804 -01	CNC	PENETRATION	CNT	011	UX	0435	C 6	6/20E-1-3352 C 6/20E- 6/20E-1-4312D	1NR 127	В	C6AF33



REVISION	BER	: 4391-00	COM		EALTH EDISON ENTIFICATION	DAT		- BYE	Committee of the commit		OOD STATION & 2)	PAGE DATE		387 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.		TYPE/MODEL			ATION		705000000000000000000000000000000000000	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
1S106E	SI	ELECTRICAL PENETRATION	F/L2804 -01	CNC	PENETRATION	CNT	010	SX	0418	C 6	6/20E-1-3353 C 6/20E- 6/20E-1-4329A	1FW019	A	C6AF33
1SI07E	SI	ELECTRICAL PENETRATION	F/L2804 -01	CNC	PENETRATION	CNT	008	SX	0439	C 6	9/20E-1-3343 6/20E- 6/20E-1-4330A	1FW023	Α	C6AF33
1SIOBE	SI	ELECTRICAL PENETRATION	F/L2804 -01	CNC	PENETRATION	CNT	011	UX	0435	C 6	6/20E-1-3352 C 6/20E- 6/20E-1-4331A	1FW022	A	C6AF33
2LVO9E	LV	ELECTRICAL PENETRATION	F/L2804 -01	CNC	PENETRATION	CNT	025	UX	0417	C 6	6/20E-2-3342 6/20E- 6/20E-	2ARO24	Α	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	2ARO29	A	C6AF33



PROJECT NUMBER: 4391-00
REVISION 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 388 OF 477 DATE : 01 SEP 84

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

	:PLT		QUALIFICATI			CATION	: QUALIFICATION : DOCUMENT REFERENCE	REMARKS	: COMP : NUMBE
		===:		==:=				* : ===================================	
TEMP DEG F	: 32	0 :	395		TYPE	TEST	: 1PS-585.2 ''CONAX QUALIFI-	REFER TO ENVIRONMENTAL QUALIFICATION BINDER	:C6AF3
PRESS PSIG	: 50		78		TYPE	TEST	:SERVICE CLASSIFICATION :(BF-LV1) FOR CLASS 1E	:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %	: 10	0 :	100	2	TYPE	TEST	SERVICE IN BWR & PWR CON-		4
PADIATION	: 2E	08 :	2.15E08		TYPE	TEST	:TAINMENT STRUCTURE REV. B, :DATED 6-23-83	:*CHEM SPRAY (PLT DES)	1
HEM SPRAY	: SE	E :	SEE	1	TYPE	TEST		:0.28M, H3B03, O.064M, NA2SO3, BUFFERED TO PH OF	
PE TME MN	: REMA		REMARKS CONT.		TYPE	TEST		: *CHEM SPRAY (QUAL.)	
								:6200 PPM BORIC ACID	
UAL. LIFE	:40 Y	K5.:	40 YRS.	- 1	TYPE	IEST		:50 PPM HYDRAZINE MONOHYDRATE :50 LBS. TRISODIUM PHOSPHATE	
UBMERGENCE	: N/	A :	N/A		N/	A			



PROJECT NUM REVISION	BER	: 4391-00 : 0	COM		EALTH EDISON ENTIFICATION							PAGE DATE		: 389 OF	
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.		TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM, WIRING DIAGRAM NO.				
1AP84EA	AP	ELECTRICAL PENETRATION	5/L2804 -01	CNC	PENETRATION				0439			1VP172	В	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	1EW047	В	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	1HC006	В	C6AFO3	
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	В	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	1HC225	В	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	1FH003	В	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	1HC071	В	C6AF03	
1CQO1E	CQ	PENETRATION	F/L2804 -01	CNC	PENETRATION	AUX	013	WX	0426	C 6	6/20E-1-3352 6/20E- 6/20E-1-4302	1PR201	В	C6AFO3	
ICQ02E	CQ	ELECTRICAL PENETRATION	F/L2804 -01	CNC	PENETRATION	SMT	006	YX	0397	C 6	6/20E-1-3318 0 6/20E- 6/20E-1-4302	1PR203	В	C6AF03	
1LVO1E	LV	ELECTRICAL PENETRATION	F/L2804 -01	CNC	PENETRATION	CNT	011	SX	0422	C 6	6/20E-1-3343 6/20E- 6/20E-1-4303D	10098	В	C6AF03	
1LVO2E	LV	ELECTRICAL PENETRATION	F/L2804 -01	CNC	PENETRATION	CNT	012	UX	0414	C 6	6/20E-1-3342 6/20E- 6/20E-1-4304A	100 104	В	C6AF03	



PROJECT NUM REVISION	ABER	: 4391-00 : 0	СОМ		EALTH EDISON ENTIFICATION						OOD STATION 8 2)	PAGE DATE	:	390 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY			MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM, WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
1LV03E		ELECTRICAL PENETRATION	F/L2804 -01			-	-					100100	В	C6AFO3
1LVO4E	LV	ELECTRICAL PENETRATION	F/L2804 -01	CNC	PENETRATION	CNT	011	ux	0439	C 6	6/20E-1-3352 6/20E- 6/20E-1-4306A	1CV295	В	C6AFO3
1RD 12E	RD	ELECTRICAL PENETRATION	F/L2804 -01	CNC	PENETRATION	CNT	010	SX	0439	C 6	6/20E-1-3353 6/20E- 6/20E-1-4316A	1RD007	В	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	1RD131	8	C6AF03
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	1RD164	В	C6AFO3
1RD16E	RD	ELECTRICAL PENETRATION	F/L2804 -01	CNC	PENETRATION	CNT	010	SA	0435	C 6	6/20E-1-3353 6/20E- 6/20E-1-4319A	1RD161	В	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	1RD158	В	C6AF03
1RYO4E	RY	ELECTRICAL PENETRATION	F/L2804 -01	CNG	PENETRATION	CNT	012	ux	0412	C 6	6/20E-1-3342 6/20E- 6/20E-1-4322A	1RY061	В	C6AF03
1RYO5E	RY	ELECTRICAL PENETRATION	F/L2804 -01	CNC	PENETRATION	CNT	012	UX	0426	C 6	6/20E-1-3352 6/20E- 6/20E-1-4322B	1RY 192	В	C6AFO3
1RYO6E	RY	ELECTRICAL PENETRATION	F/L2804 -01	CNC	PENETRATION	CNT	012	UX	0426	C 6	6/20E-1-3352 6/20E- 6/20E-1-43220	1RY144	В	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	1RY099	В	C6AFO3



PROJECT NUM REVISION	MBER	: 4391-00 : 0	СОМ		EALTH EDISON ENTIFICATION							PAGE DATE	:	391 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY			MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
1SI01E		ELECTRICAL PENETRATION	F/L2804 -01								6/20E-1-3343 6/20E- 6/20E-1-4324	151086	Α	C6AFO3
15102E	SI	ELECTRICAL PENETRATION	F/L2804 -01	CNC	PENETRATION	CNT	012	UX	042€	C 6	6/20E-1-3352 C 6/20E- 6/20E-1-4325	1CV039	A	C6AFO3
15103E	SI	ELECTRICAL PENETRATION	F/L2804 -01	CNC	PENETRATION	CNT	010	SX	0422	C 6	6/20E-1-3343 6/20E- 6/20E-1-4326C	157088	Α	C6AFO3
1SI04E	SI	ELECTRICAL PENETRATION	F/L2804 -01	CNC	PENETRATION	CNT	012	UX	0433	C 6	6/20E-1-3352 C 6/20E- 6/20E-1-4327C	151162	Α	C6AFO3
1S105E	SI	ELECTRICAL PENETRATION	F/L2804 -01	CNC	PENETRATION	CNT	011	ux	0421	C 6	6/20E-1-3342 C 6/20E- 6/20E-1-4328A	1FW017	A	C6AFO3
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	1VP004	A	C6AFO3
1VP02E	VP	ELECTRICAL PENETRATION	F/L2804 -01	CNC	PENETRATION	CNT	008	SX	0435	C 6	6/20E-1-3353 C 6/20E- 6/20E-1-4333	1VP026	A	C6AFO3
1VP03E	VP	PENETRATION	F/L2804 -01	CNC	PENETRATION	CNT	012	ux	0421	C 6	6/20E-1-3342 C 6/20E- 6/20E-1-4333	1VPO48	A	C6AFO3
1VPO4E	VP	ELECTRICAL PENETRATION	F/L2804 -01	CNC	PENETRATION	CNT	012	ux	0439	C 6	6/20E-1-3352 C 6/20E- 6/20E-1-4333	1VP070	A	C6AFO3



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 392 OF 477 DATE : O1 SEP 84

C6AFO3

SPEC. NUM.: F/L2804-01

SYSTEM : VP.AP.RY.RD.SI.CO.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 :PLT DES:QUALIFICATION:			: REMARKS	: COMP : NUMBER
************; ******; ***********	**********			*:=====
			:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. CQD-009952 FOR COMPLETE DOCUMENTATION	:C6AFO3
	TYPE TEST		PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %: 100 : 100	TYPE TEST			
RADIATION : 2EOB : 2EOB	TYPE TEST			
CHEM SPRAY : . 15 GPM: 10.5 PH 24 HR		:CHEM SPRAY - PH 10.5		
OPE TME MN : CONT. : CONT.				
QUAL. LIFE :40 YRS.: 40 YRS.	TYPE TEST			
SUBMERGENCE: N/A : N/A	N/A			
			그들은 마양 등 내가 가지 않는 사람이 되었다. 그리는 바람이 없었다.	2



REVISION	BER	: 4391-00 : 0	СОМ		EALTH EDISON	DAT	1040-04/2-	- BYF			000 STATION 8 2)	PAGE DATE		393 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY		PURCHASE SPEC.NO.		TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
1RCO1E	RC	ELECTRICAL PENETRATION	F/L2804 -01	CNC	PENETRATION						6/20E-1-3343 6/20E- 6/20E-1-4315	1RC001	В	C6AF32
1RCO2E	RC	PENETRATION	F/L2804 -01	CNC	PENETRATION	CNT	008	SX	0439	C 6	6/20E-1-3353 C 6/20E- 6/20E-1-4315	1RC025	В	C6AF32
1RCO3E	RC	ELECTRICAL PENETRATION	F/L2804 -01	CNC	PENETRATION	CNT	012	vx	0439	C 6	6/20E-1-3352 C 6/20E- 6/20E-1-4315	1RC046	В	C6AF32
1RCO4E	RC	ELECTRICAL PENETRATION	F/L2804 -01	CNC	PENETRATION	CNT	011	UX	0414	C 6	6/20E-1-3342 C 6/20E- 6/20E-1-4315	1RC064	В	C6AF32



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
OUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 394 OF 477 DATE : 01 SEP 84

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

ARAMETER		DES:						DOCUMENT			REMARKS	: COMP : NUMBER
					==:=:			**********				
EMP DEG F	: 3	20		462		TYPE	TEST :	IPS-585.5 CON	AX QUAL. OF	REFER TO ENVIRONMEN	TAL QUALIFICATION BINDER	: C6AF3:
					2			MEDIUM VOLTAGE			MPLETE DOCUMENTATION	
RESS PSIG	: 5	0		71		TYPE	Marie Carlo Carlo Carlo	CLASSIFICATION			WITH THIS EQUIPMENT.	
								PENETRATION AS		·	mitte title Equipment.	
EL HUMID %	. 1	00		100		TYPE		CL-MVP (P/N 75				
							- 1	REV. A. DATED				110000
ADIATION	. 2	E08		2.2E08	. 2	TYPE	TEST		.0/			
HEM SPRAY					*	TYDE	TEST	*CHEM SPRAY (	DIT DECL.	**CHEM SPRAY (QUAL.)		
Lite Stimet					-	1.1-6	1231	-CHEM SPRAT (	FLI DEST.	. +CHEM SPRAT (QUAL.)		3
E THE MN		NIT		CONT		TVDE	TECT	2000 POH DODI				
E IME MIA		NI.		CONT.	- 4	LANE		3000 PPM BORIO		:6200 PPM BORON		2
					- 7			0.064 M SODIUM	The second secon	:50 PPM HYDRAZINE		
JAL. LIFE	:40	YRS.	- 4	O YRS.	- 2	TYPE	TEST :	NAOH TO PH= 10	0.5 @ 77 DEG.F.	:NAOH TO PH= 9.94		
	-				1							
JBMERGENCE	. N	/A	: N	/A	- 2	N/	A					2
	1											



CABLES

#### SARGENT & LUNDY ENGINEERS COMPONENT QUALIFICATION DIVISION

PROJECT NUMBER: 4391-00

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION

PAGE : 395 OF 477

REVISION : O IDENTIFICATION DATA SHEET (UNITS 1 & 2)

EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER NUMBER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER

VARIOUS XX INSULATED F/L2851 OKO 5KV VAR C 6



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
CUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 396 OF 477 DATE : 01 SEP 84

CGAF28

SPEC. NUM.: F/L2851

SYSTEM : VARIOUS

SAFETY CAT: 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

	:PLT DES:Q	JALIFICATION	: QUALIF			R	EMARKS	: COMP : NUMBER
		**********	:======			*:=====================================	**************	= : = = = = = :
EMP DEG F	320 :	340	: TYPE		LOCA QUALIFICATION REPORT FOR OKOGAURD INSULATED	:REFER TO ENVIRONMENTA :NO. EQ-BBO3O FOR COMP	L QUALIFICATION BINDER	:C6AF28
RESS PSIG	: 50 :	50	: TYPE	TEST :	CABLES AND T-95 & T-35, SPLISING TAPES, REPORT NO.	PACKAGE ASSOCIATED WI		
EL HUMID %	100 :	100	TYPE	TEST :	NORN-3,6-23-80. QUALIFICA-			
ADIATION	2E08 :	2E08	TYPE	TEST :	TION OF OKOGAURD EPR INSULATION FOR NUCLEAR PLANT			
HEM SPRAY			TYPE	TEST :	SERVICE FORM-G-3, 09/07/77.			
PE TME MN	:/SQ.FT.:	CONT.	TYPE	TEST :				
UAL. LIFE	40 YRS.:	40 YRS.	TYPE	TEST :				:
UBMERGENCE	PASSED :	PASSED THE TEST	TYPE	TEST :				



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 397 OF 477 REVISION : 0 IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84

EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER NUMBER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER

N/A VA SWBD WIRE F/L2823 RB RSS-400-2 ALL ALL C 6



A CGAESU

PROJECT NUMBER: 4391-00 REVISION : 0 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 398 OF 477 DATE : 01 SEP 84

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

ARAMETER			LIFICATIO		METHO	)	DOCUMENT REFERENCE		REMARKS	: COMP : NUMBE
MP DEG F	320		346	: 1	YPE TE	ST	1)QUAL. REP. OF FIREWALL 3,	REFER TO ENVIRONMENT		:CGAE5
		2					CLASS 1E ELECTRIC CABLES,			
RESS PSIG	: 50	3	50	3 3	Abe II		2-1-77.	The second secon	WITH THIS EQUIPMENT.	4
L HUMID %	****	2	400	1 .	VOC T		2)QUAL. OF FIREWALL 3, CLASS			
r HOMID Y	100		100		THE II		1E ELECTRIC CABLES, CROSS-			
DIATION	25.00		2E08		VDE TO		LINK INSULATION STATIST-			
DIATION	. 2500		2508		TPE II	.51	: ICAL ANALYSIS OF THERMAL : LIFE, ADD TO OR 1807.	8		
EM SPRAY	SEE		SEE		VPE TI	ST	3)QUAL. OF FIREWALL 3.	DIT DES	QUAL.	1
	: REMARK!		REMARKS						YOAL.	
E THE MN		30.00	CONT.				CLASS 1E. REV. 1. 3/15/79.		0.28 M H3B03	
E THE CHE			COILT.					:0.064 M NA25203	0.064 M NA2S203	
AL. LIFE	:40 YRS		40 YRS.	. 1	YPE TE	ST		: NAOH TO PH=10.5	NAOH TO PH BETWEEN 9-11	
	2							. 77 DEG.F.	9 77 DEG.F.	
JBMERGENCE	- N/A		N/A		N/A					



PROJECT NUMBER: 4391-00

COMMONWFALTH EDISON COMMONBRAIDWOOD STATION
PAGE: 399 OF 477
REVISION: O IDENTIFICATION DATA SHEET (UNITS 1 & 2)

EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER NUMBER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER

N/A VA COAXIAL CABLE F/L2919 RBS RSS-6-104 ALL ALL C 6

A C6AE5T

RSS-6-109 RSS-6-113



COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION OUALIFICATION DATA SHEET (UNITS 1 & 2) PROJECT NUMBER: 4391-00 REVISION : 0

CEAEST

PAGE

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

** **	CGAEST					
	NDER			QUAL.	0.28 M H3B03	NACH TO PH BETWEEN 9-11
	REFER TO ENVIRONMENTO NO. EQ-BB039 FOR CO			PLT. DES.	:0.28 M H3B03	:NADH TO PH=10.5
QUALIFICATION DOCUMENT REFERENCE	ROCKBESTOS QUAL. TEST REP. : REFER TO ENVIRONMENTAL QUALIFICATION BIS FOR COAXIAL CABLE TYPE RSS- :NO. EQ-BBO39 FOR COMPLETE DOCUMENTATION :6-113. DATED 6/16/80. :PACKAGE ASSOCIATED WITH THIS EQUIPMENT	SOCKBESTOS REP. NO. 2806. DATED 4/23/82. SURPLEMENT OF NO. 28065(2)	DATED 8/18/82.			
METHOD :		paules a	TEST	TEST	TEST	TEST
METHOD	TYPE TEST	TYPE TEST	TYPE	TYPE TEST	TYPE	TYPE TEST
TION	1 11 11 13	** ** *		· · · ·	87 88	9 9
PARAMETER PLT DES QUALIFICATION METHOD	104	100	2E08	REMARKS	CONT.	40 YRS
ES: OU		EE 47 51	00		** **	····
00 "	320	100	2E08	SEE	CONT.	QUAL. LIFE :40 YRS.:
PLT		20 21 21	18. 80	CHEM SPRAY	OPE THE MN :	17 11
PARAMETER PLT	TEMP DEG F	REL HUMID X	RADIATION	201	46	584



3306

PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 401 OF 477
REVISION : O IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84

EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER NUMBER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER VARIOUS XX INSTRUMENTA- F/L2852 SM 1900 SERIES VAR C 6

TION & THER-MOCOUPLE CABLE



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICAT. IN DATA SHEET (UNITS 1 & 2)

PAGE : 402 OF 477 DATE : 01 SEP 84

CGAF31

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

ARAMETER							ICATION HOD		REFERENCE		REMARKS	: COMP : NUMBER
EMP DEG F	: 3:	20		340		TYPE	TEST	: ISOMEDIX QUA	LIFICATION	:REFER TO	ENVIRONMENTAL QUALIFICATION BINDE	R :C6AF3
	1							: TEST. DATED	JUNE 1978	:NO. CQD-0	09696 FOR COMPLETE DOCUMENTATION	
RESS PSIG	: 5	0 :		105		TYPE	TEST	: RAYCHEM QUAL	IFICATION	:PACKAGE A	SSOCIATED WITH THIS EQUIPMENT.	
	5							: F-C 4033-3 J	JAN. 1975	2		
EL HUMID %	: 10	00		100		TYPE	TEST					1
	*				*							
PADIATION	: 2	BO3		2E08		TYPE	TEST					
	2				1							
HEM SPRAY	2 1				- 2	TYPE	TEST	: *CHEM SPRAY (	PLT DES):			1
	1											
PE THE MN	: cor	NT.		CONT.		TYPE	TEST	:. 19GPM, 3000PP	M.B.RON			
	7							: *CHEM SPRAY (	QUAL.)			
WAL. LIFE	:40	FRS.	40	D YRS.		TYPE	TEST					
	2				. 5			:.159PM/HTZ				
SUBMERGENCE	: N	/A :	N.	A		N	/A					
	-				- 6							A



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 403 OF 477 IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE REVISION : O : 01 SEP 84 FOLITPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER SY EQUIPMENT SPECING, MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO. CAT. NUMBER NUMBER CC MARATHON F/L2790 MAR 1600 1.JR005R CNT 0399 C 6 C6AF35 THERMAL BLOCKS ASSEMBLIES 1JB006R CC MARATHON F/L2790 MAR 1600 0395 C 6 CNT C6AF35 THERMAL BLOCKS ASSEMBLIES RC MARATHON 1JB009R F/L2790 MAR 1600 CNT 0390 C 6 CGAF35 THERMAL BLOCKS ASSEMBLIES 1-IR010R RC MARATHON F/L2790 MAR 1600 CNT 0390 C 6 C6AF35 THERMAL BLOCKS ASSEMBLIES RC MARATHON F/L2790 MAR 1600 1JB011R CNT 0394 C 6 C6AF35 THERMAL BLOCKS ASSEMBLIES 1JB012R RC MARATHON F/L2790 MAR 1600 CNT 0377 C 6 C6AF35 THERMAL BLOCKS ASSEMBLIES 1JB066R RY MARATHON F/L'2790 MAR 1500 CNT 0408 C 6 C6AF35 THERMAL BLOCKS ASSEMBLIES 1JB068R RC MARATHON F/L2790 MAR 1600 CNT 0390 C 6 CEAF35 THERMAL BLOCKS ASSEMBLIES 1JB 102R RE MARATHON F/L2790 MAR 1600 CNT 0377 C 6 C6AF35 SI THERMAL BLOCKS ASSEMBLIES RE MARATHON F/L2790 MAR 1600 1JB 103R CNT 0390 C 6 C6AF35 THERMAL BLOCKS ASSEMBLIES 1JB 109R FW MARATHON F/L2790 MAR 1600 CNT 0416 C 6 C6AF35 THERMAL BLOCKS ASSEMBLIES



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 404 OF 477
REVISION : 0 IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84

EQUIPMENT NUMBER		TYPE OF EQUIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ CABLE N WIRING DIAGRAM NO. PANEL N	O CAT	NUMBER
IJB127R		MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790			CNT		0390		. *************** . *******	Α	C6AF35
IJB140R	PS	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT		0377	C 6		A	C6AF35
IJB 170R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT		0401	C 6		A	C6AF35
IJB 17 1R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT		0401	C 6		A .	C6AF35
J6172R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT		0401	C 6			C6AF35
JB173R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT		0390	C 6		A	C6AF35
JB174R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT		0403	C 6		A	C6AF35
JB 175R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT		0401	C 6		A	C6AF35
J8176R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT		0401	C 6		A	C6AF35
JB177R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNI		0377	C 6		A	CGAF35
JB200R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT		0401	C 6		Α	C6AF35



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 405 OF 477 REVISION : 0 IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84 EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER NUMBER RH MARATHON F/L2790 MAR 1600 CNT 0377 C 6 1JB202R CSAF35 SI THERMAL BLOCKS ASSEMBLIES 1JB204R RC MARATHON F/L2790 MAR 1600 CNT 0401 C 6 C6AF35 THERMAL BLOCKS ASSEMBLIES RC MARATHON F/L2790 MAR 1600 1JB205R CNT 0390 C 6 A C6AF35 THERMAL BLOCKS ASSEMBLIES 1JB206R RC MARATHON F/L2790 MAR 1600 CNT 0401 C 6 CGAF35 THERMAL BLOCKS ASSEMBLIES RC MARATHON F/L2790 MAR 1600 1JB227R CNT 0390 C 6 C6AF35 THERMAL BLOCKS ASSEMBLIES 1u8232R RC MARATHON F/L2790 MAR 1600 CNT 0390 C 6 CEAF35 THERMAL BLOCKS ASSEMBLIES 1JB237R RC MARATHON F/L2790 MAR 1600 CNT 0394 C 6 GAF35 THERMAL BLOCKS ASSEMBLIES FP MARATHON F/L2790 MAR 1600 1JB238R CNT 0391 C 6 C6AF35 THERMAL BLOCKS ASSEMBLIES RC MARATHON F/L2790 MAR 1600 1JB241R CNT 0401 C 6 **C6AF35** THERMAL BLOCKS ASSEMBLIES 1JB244R CV MARATHON F/L2790 MAR 1600 CNT 0390 C 6 CGAF35 RH THERMAL BLOCKS SI ASSEMBLIES RC MARATHON F/L2790 MAR 1600 1JB287R CNT 0395 C 6 CGAF35 THERMAL BLOCKS ASSEMBLIES



: 406 OF 477 PROJEC" NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 0 REVISION IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84 EQUIPMENT TYPE OF PURCHAS. --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 NUMBER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER SI MARATHON F/L2790 MAR 1600 CNT 1JB291R 0392 C 6 A C6AF35 THERMAL BLOCKS ASSEMBLIES 1JB356R VQ MARATHON F/L2790 MAR 1600 CNT 0451 C 6 CGAF35 THERMAL BLOCKS ASSEMBLIES 1JB357R VQ MARATHON F/L2790 MAR 1600 CNT 0467 C 6 A C6AF35 THERMAL BLOCKS ASSEMBLIES 1JB377R RC MARATHON F/L2790 MAR 1600 CNT 0418 C 6 C6AF35 THERMAL BLOCKS ASSEMBLIES RY MARATHON 1JB381R F/L2790 MAR 1600 CNT 0463 C 6 C6AF35 THERMAL BLOCKS ASSEMBLIES 1JB419R RF MARATHON F/L2790 MAR 1600 CNT 0422 C 6 C6AF35 THERMAL BLOCKS ASSEMBLIES 1JB428R RC MARATHON F/L2790 MAR 1600 CNT 0377 C 6 C6AF35 THERMAL BLOCKS ASSEMBLIES RY MARATHON F/L2790 MAR 1600 1JB6002 CNT 0451 C 6 C6AF35 THERMAL BLOCKS ASSEMBLIES 1JB562R FP MARATHON F/L2790 MAR 1600 CNT 0390 C 6 C6AF35 THERMAL BLOCKS ASSEMBLIES 1JB898R VQ MARATHON F/L2790 MAR 1600 CNT 0426 C 6 C6AF35 THERMAL BLOCKS ASSEMBLIES 1JB899R VO MARATHON F/L2790 MAR 1600 CNT 0450 C 6 C6AF35 THERMAL BLOCKS



ASSEMBLIES

PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 407 OF 477 REVISION : O IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 0; SEP 84

EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	SPEC.NO.	MFG		BDG	COL ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ CABLE NO/ WIRING DIAGRAM NO. PANEL NO	CAT.	COMPUTER NUMBER
JB931R		MARATHON THERMAL BLOCKS ASSEMBLIES				CNT		0364			A	C6AF35
JB932R	SI	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT		0364	C 6		A	C6AF35
JB945R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT		0377	C 6		A	C6AF35
JB954R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT		0377	C 6		A	C6AF35
JB958R	FW	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT		0412	C 6		Α	C6AF35
JB959R	FW	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT		0412	C 6		A	C6AF35
JB96OR	FW	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT		0401	C 6		A	CGAF35
JB961R	7.75	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT		0401	C 6		A	C6AF35
JB005R	СС	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT		0391	Се		A	CGAF35
JBOO6R	СС	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT		0395	C 6		A	C6AF35
JB009R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT		0377	C 6		Α	C6AF35



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 408 DF 477 REVISION IDENTIFICATION DATA SHEET (UNITS 1 & 2) : 01 SEP 84 DATE EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER NUMBER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER 2JB010R RC MARATHON F/L2790 MAR 1600 0377 C 6 C6AF35 THERMAL BLOCKS ASSEMBLIES 2JB011R RC MARATHON F/L2790 MAR 1600 CNT 0383 C 6 C6AF35 THERMAL BLOCKS ASSEMBLIES 2JB012R RC MARATHON F/L2790 MAR 1600 CNT 0377 C 6 Δ C6AF35 THERMAL BLOCKS ASSEMBLIES 2JB040R CV MARATHON F/L2790 MAR 1600 CNT 0401 C 6 C6AF35 IA THERMAL BLOCKS ASSEMBLIES 2JB066R RY MARATHON F/L2790 MAR 1600 CNT 0403 C 6 C6AF35 THERMAL BLOCKS ASSEMBLIES 2JB 102R RE MARATHON F/L2790 MAR 1600 CNT 0377 C 6 C6AF35 SI THERMAL BLOCKS ASSEMBLIES 2JB 103R RE MARATHON F/L2790 MAR 1600 CNT 0390 C 6 C6AF35 THERMAL BLOCKS ASSEMBLIES 2JB 127R RY MARATHON F/L2790 MAR 1600 CNT 0377 C 6 A C6AF35 THERMAL BLOCKS ASSEMBLIES PS MARATHON 2JB140R F/L2790 MAR 1600 CNT 0377 C 6 **C6AF35** A THERMAL BLOCKS ASSEMBLIES 20B170R RC MARATHON F/L2790 MAR 1600 CNT 0401 C 6 C6AF35 THERMAL BLOCKS ASSEMBLIES 2JB171R RC MARATHON F/L2790 MAR 1600 CNT 0377 C 6 CGAF35 THERMAL BLOCKS ASSEMBLIES



PROJECT NUM REVISION		: 4391-00 : 0	COM		EALTH EDISON					PAGE DATE		409 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	SPEC.NO.	MFG	TYPE/MODEL	BDG COL ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	NUMBER
2JB172R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790			CNT	0377	C 6				C6AF35
2JB173R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT .	0377	C 6			Α	C6AF35
2JB174R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT	0377	C 6			Α	C6AF35
2JB175R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT	0377	C 6			А	C6AF35
2JB176R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT	0377	C 6			Α	C6AF35
2JB177R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT	0377	C 6			Α	C6AF35
2JB2OOR	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT	0401	C 6			A	C6AF35
2JB2O2R		MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT	0377	C 6			A	C6AF35
2JB2O4R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT	0401	C 6			Α	C6AF35
2JB205R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT	0390	C 6			Α	C6AF35
2JB206R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT	0401	C 6			Α	C6AF35



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 410 DF 477 REVISION IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84 EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 NUMBER SY EQUIPMENT SPEC.NO. MEG TYPE/MODEL BDG COL ROW ELEY ZONE WIRING DIAGRAM NO. PANEL NO CAT. 2JB227R RC MARATHON F/L2790 MAR 1600 CNT 0390 C 6 A CGAF35 THERMAL BLOCKS ASSEMBLIES 2JB232R RC MARATHON F/12790 MAR 1600 CNT 0390 C 6 C6AF35 THERMAL BLOCKS ASSEMBLIES 2JB237R RC MARATHON F/L2790 MAR 1600 CNT 0390 C 6 Δ C6AF35 THERMAL BLOCKS ASSEMBLIES FP MARATHON 2JB238R F/L2790 MAR 1600 CNT 0391 C 6 C6AF35 THERMAL BLOCKS ASSEMBLIES 2JB241R RC MARATHON F/L2790 MAR 1600 CNT 0401 C 6 CGAF35 THERMAL BLOCKS ASSEMBLIES 2JB287R RC MARATHON F/L2790 MAR 1600 CNT 0401 C 6 C6AF35 THERMAL BLOCKS ASSEMBLIES 2JB291R SA MARATHON F/L2790 MAR 1600 CNT 0392 C 6 CGAF35 A THERMAL BLOCKS ASSEMBLIES 2JB377R RC MARATHON F/L2790 MAR 1600 CNT 0401 C 6 CGAF35 THERMAL BLOCKS ASSEMBLIES 2JB381R RY MARATHON F/L2790 MAR 1600 CNT 0463 C 6 A CGAF35 THERMAL BLOCKS ASSEMBLIES 2JB419R RF MARATHON F/L2790 MAR 1600 CNT 0422 C 6 CGAF35 THERMAL BLOCKS ASSEMBLIES 2JB600R RY MARATHON F/L2790 MAR 1600 CNT 0451 C 6 CGAF35 THERMAL BLOCKS ASSEMBLIES



PROJECT NUM REVISION		: 4391-00 : 0	COM		ENTIFICATION					WOOD STATION 1 & 2)	PAGE DATE		411 OF 47 O1 SEP 84
EQUIPMENT NUMBER	SY	EQUIPMENT		MFG	TYPE/MODEL	BDG	COL ROW	ELEV	ZONE	S SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	
2JB898R		MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600					.,****************		Α	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			Α	C6AF35
2JB945R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT		0377	C 6			Α	C6AF35
UB950R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT		0377	C 6			Α	C6AF35
2JB951R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT		0377	C 6			Α	C6AF35
UB952R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT		0377	C 6			Α	C6AF35
2JB954R	RC	MARATHON THERMAL BLOCKS ASSEMBLIES	F/L2790	MAR	1600	CNT		0377	C 6			Α	C6AF35



REVISION : 0

PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 412 OF 477 DATE : 01 SEP 84

C6AF35

SPEC. NUM.: F/1.2790

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

PARAMETER :		NMENT DES: QL						: :	EMARKS	: COMP : NUMBER
TEMP DEG F	320	1AX:	350 MAX	:	TYPE		:WYLE TEST REPORTS 45611 & :17657 & 45603-1.	:REFER TO ENVIRONMENTAL :NO. EQ-BB118 FOR COMP	and the second s	:C6AF35
PRESS PSIG :	50		50	4	TYPE	TEST		:ASSOCIATED WITH THIS	EQUIPMENT.	1
REL HUMID %:	100	. :	100		TYPE	TEST				
REL HUMIU /6.	100		100		ITE	1531				
RADIATION :	2E(	)8 :	2E08	:	TYPE	TEST				
CHEM SPRAY	SE		SEE		TYPE	TEST		: CHEM SPRAY (PLT DES)	(QUALIFICATION)	
	REMAR		REMARKS					:		
OPE THE MN :	CON	. :	CONT.	; T!	EST/AN	NALYSIS		:3000 PPM H3B03	3000 PPM H3B03	
				1				: 30% NAUH	PH 10.5	
QUAL. LIFE :	40 YF	?S.:	40 YRS.	: TI	EST/AN	VALYSIS		:PH 8.5-10.5	. 15 GPM / SQ. FT.	1
		1						:.15 GPM / SQ. FT.		*
SUBMERGENCE:	N/I		N/A	-	N/	A				1



PROJECT NUM REVISION	BER	: 4391-00 : 0	COM		EALTH EDISON ENTIFICATION			- BYR	100000000000000000000000000000000000000		OOD STATION	PAGE DATE		413 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.		TYPE/MODEL		COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/	PANEL NO	0588 CAT.	COMPUTER NUMBER
IMSOO1A	MS	HYDRAULIC OPERATOR	F/L2756	A/D	HYDRAULIC ACTUATOR	SMT					6/20E-1-3316 6/20E- 6/20E-1-4382E	1MS271	Α	T30A16
MSOO1B	MS	HYDRAULIC OPERATOR	F/L2756	A/D	HYDRAULICC ACTUATOR	SMT	006	ZX	0394	Т 3	6/20E-1-3317 6/20E- 6/20E-1-4382F	1MS284	Α	T30A16
MSOO1C	MS	HYDRAULIC OPERATOR	F/L2756	A/D	HYDRAULIC ACTUATOR	SMT	007	ZX	0394	Т 3	6/20E-1-3317 6/20E- 6/20E-1-4382G	1MS297	Α	T30A16
MSOO1D	MS	HYDRAULIC OPERATOR	F/L2756	A/D	HYDRAULIC ACTUATOR	SMT	007	SX	0377	Т 3	6/20E-1-3316 6/20E- 6/20E-1-4382H	1MS310	A	T30A16
MSOO1A	MS	HYDRAULIC OPERATOR	F/L2756	A/D	HYDRAULIC ACTUATOR	SMT	030	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4382E	2MS271	۸	T30A16
MSOO1B	MS	HYDRAULIC OPERATOR	F/L2756	A/D	HYDRAULIC ACTUATOR	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4382F	2MS279	Α	130A16
MSOO1C	MS	HYDRAULIC OPERATOR	F/L2756	A/D	HYDRAULIC ACTUATOR	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4382G	2MS292	Α	T30A16
MS001D	MS	HYDRAULIC OPERATOR	F/L2756	A/D	HYDRAULIC ACTUATOR	SMT	029	sx	397	Т 3	6/20E-2-3316 C 6/20E- 6/20E-	2MS305	Α	T30A16



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 414 OF 477

DATE : 01 SEP 84

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

	DES: QU	ALIFICATION	:QUALIFI		QUALIF DOCUMENT	ICATION REFERENCE	: REMARKS	: COMP : NUMBER
TEMP DEG F : 3:	25 :	328	TYPE		A/DARLING TES	T REPORT NO.	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BB024 FOR COMPLETE DOCUMENTATION	:T30A16
PRESS PSIG : 1	9.7 :	19.7	: TYPE				:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %: 10	00 :	100	TYPE	TEST				
RADIATION : 1EO	RAD:	1EO6 RADS	: TYPE	TEST				
CHEM SPRAY : N	/A :	N/A	. N/	Α				
DPE TME MN : SHE	DRT.: I	NTERMITANT	TYPE	TEST				
QUAL. LIFE :40	RS.:	40 YRS.	TYPE	TEST				
SUBMERGENCE: N	/A :	N/A	: N/	Α :				



PROJECT NUM REVISION		: 4391-00 : 0	СОМ			FICATION						WOOD STATION 1 & 2)	PAGE DATE	:	415 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.	MFG.		E/MODEL	BDG	COL	ROW	ELEV	ZONE	S SCHEMATIC DIAGRAM WIRING DIAGRAM NO		CAT.	COMPUTER NUMBER
1MSO18A	MS	HYDRAULIC OPERATOR	F/L2794-1	B-W	150	VLV	SMT	006	SX	0408	Т 3	6/20E-1-3316	C 1MS484	A	T30D22
1MSO18B	MS	HYDRAULIC OPERATOR	F/L2794-1	B-W	150	VLV	SMT	006	ZX	0408	Т 3	6/20E-1-3317	C 1MS486	Α	T30D22
1MSO18C	MS	HYDRAULIC OPERATOR	F/L2794-1	B-W	ISO	VLV	SMT	007	zx	0408	Т 3	6/20E-1-3317	C 1MS488	Α	T30D22
1MSO18D	MS	HYDRAULIC OPERATOR	F/L2794-1	B-W	150	VLV	SMT	007	SX	0408	Т 3	6/20E-1-3316	C 1MS490	A	T30D22
2MSO18A	MS	HYDRAULIC OPERATOR	F/L2794-1	B-W	150	VLV	SMT	030	SX	0408	Т 3	6/20E-2-3316	C 2MS484	A	T30D22
2MSO18B	MS	HYDRAULIC OPERATOR	F/L2794-1	B-W	150	VLV	SMT	030	ZX	0408	Т 3	6/20E-2-3317	C 2MS486	A	T30D22
2MSO18C	MS	HYDRAULIC OPERATOR	F/L2794-1	B-W	150	VLV	SMT	029	ZX	0408	Т 3	6/20E-2-3317	C 2MS488	Α	T30D22
2MSO18D	MS	HYDRAULIC OPERATOR	F/L2794-1	B-W	ISO	VLV	SMT	029	SX	0408	Т 3	6/20E-2-3316	C 2MS490	A	T30022



PROJECT NUMBER: 4391-00 REVISION : O

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 416 DF 477 DATE : O1 SEP 84

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



PROJECT NUME REVISION	BER	: 4391-00 : 0	COM		EALTH EDISON ENTIFICATION			- BY	Street Street Street		WOOD STATION 1 & 2)	PAGE DATE	:	417 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY ==	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.		T"PE/MODEL		COL	ROW		ZON	R SCHEMATIC DIAGRAM, E WIRING CIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
1FW009A	FW	HYDRAULIC OPERATOR	F/L2874	B-W	P/N38971	SMT					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	Т 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	Т 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	Т 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	Т 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	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4410B	2FW573	Α	T30A15
2FW009C	FW	HYDRAULIC OPERATOR	F/L2874	B-W	P/N38971	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4410C	2FW581	A	T30A15
2FWOO9D	FW	HYDRAULIC OPERATOR	F/L2874	B-W	P/N38971	SMT	029	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4410D	2FW595	A	730A15



PROJECT NUMBER: 4391-00 REVISION : 0 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 418 OF 477 DATE : 01 SEP 84

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

RAMETER :PLT DES	QUALIFICATION	: QUALIFICATION: METHOD	N: QUALIFICATION : DOCUMENT REFERENCE	: REMARKS	: COMP : NUMBE
MP DEG F : 325	325	TYPE TEST	:BORG WARNER REPORT NO. 1736 :DATED 04/28/78.	:REFER TO ENVIRONMENTAL QUALIFICATION RINDER :NO. EQ-BBO25 FOR COMPLETE DOCUMENTATION	:T30A1
ESS PSIG : 19.7	: 110	: TYPE TEST		:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
L HUMID %: 100	100	TYPE TEST			
DIATION : 1EO4	1.2E06	TYPE TEST			
EM SPRAY : N/A	N/A	: N/A			
E TME MN : SHORT	INTERMITANT	TYPE TEST			
AL. LIFE :40 YRS.	1.5 YRS	TYPE TEST			
BMERGENCE: N/A	N/A	N/A			:



PROJECT NUM REVISION	BER: 4391-00 : 0		NEALTH EDISON DENTIFICATION					PAGE DATE		419 OF 477 O1 SEP 84
EQUIPMENT NUMBER	TYPE OF SY EQUIPMENT	PURCHASE SPEC.NO. MFC		BDG C	OL ROW	ELEV ZONE	SCHEMATIC DIAGRAM, WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
1FWO4JA	FW FWIV 1FW009A J/B A-TRAIN 1		JUNCTION BOX					1FW261	В	T30F06
1FWO4JB	FW FWIV 1FW009A J/B B-TRAIN 2	F/L2874 B-V	JUNCTION BOX	SMT O	06 SX	0377 T 3	6/20E-1-3316 6/20E- 6/20E-1-4410A	1FW230	В	T30F06
1FWO4JD	FW FWIV 1FWOO9A J/B D-POWER	F/L2874 B-V	JUNCTION BOX	SMT O	06 SX	0377 T 3	6/20E-1-3316 6/20E- 6/20E-1-4410A	1FW213	В	T30F06
1FW05JA	FW FWIV 1FWOO9B J/B A-TRAIN 1	F/L2874 B-1	JUNCTION BOX	SMT O	06 ZX	04C1 T 3	6/20E-1-3317 6/20E- 6/20E-1-4410B	1FW238	В	T30F06
1FWO5JB	FW FWIV 1FWOO9B J/B B-TRAIN 2	F/L2874 B-V	JUNCTION BOX	SMT O	06 ZX	0395 T 3	6/20E-1-3317 6/20E- 6/20E-1-4410B	1FW217	В	T30F06
1FW05JD	FW FWIV 1FWOO9B J/B D-POWER	F/L2874 B-V	JUNCTION BOX	SMT O	06 ZX	O383 T 3	6/20E-1-3317 6/20E- 6/20E-1-4410B	1FW218	В	T30F06
1FWO6JA	FW FWIV 1FW009C J/B A-TRAIN 1	F/L2874 B-V	JUNCTION BOX	SMT O	07 ZX	0401 T 3	6/20E-1-3317 6/20E- 6/20E-1-4410C	1FW247	В	T30F06
1FWO6JB	FW FWIV 1FW009C J/B B-TRAIN 2	F/L2874 B-V	JUNCTION BOX	SMT O	07 ZX	0395 T 3	6/20E-1-3317 6/20E- 6/20E-1-4410C	1FW221	В	T30F06
1FW06JD	FW FWIV 1FW009C J/B D-POWER	F/L2874 B-V	JUNCTION EOX	SMT O	07 ZX	0383 T 3	6/20E-1-3317 6/20E- 6/20E-1-4410C	1FW222	В	T30F06
1FWO7JA	FW FWIV 1FW009D J/B A-TRAIN 1	F/L2374 B-V	JUNCTION BOX	SMT O	07 QX	0394 T 3	6/20E-1-3316 6/20E- 6/20E-1-4410D	1FW224	В	T30F06
1FWO7JB	FW FWIV 1FW009D J/B B-TRAIN 2	F/L2874 B-V	JUNCTION BOX	SMT O	07 QX	0377 Т З	6/20E-1-3316 6/20E- 6/20E-1-4410D	1FW256	В	T30F06



PROJECT NUME REVISION	BER	: 4391-00 : 0	COM		EALTH EDIS					7.0		ODD STATION & 2)	PAGE DATE	:	420 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODE	L	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
1FWO7JD	FW	FWIV 1FW009D J/B D-POWER	F/L2874	B-W	JUNCTION	BOX			7	0377		6/20E-1-3316 C 6/20E- 6/20E-1-4410D	1FW225	В	T30F06
2FW04JA	FW	FWIV 2FW009A J/B A-TRAIN 1	F/L2874	B-W	JUNCTION	вох	SMT	030	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4410A	2FW214	В	T30F06
2FWO4JB	FW	FWIV 2FW009A J/B B-TRAIN 2	F/L2874	B-W	JUNCTION	вох	SMT	030	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4410A	2FW230	В	T30F06
2FW04JD	FW	FWIV 2FW009A J/B D-POWER	F/L2874	B-W	JUNCTION	вох	SMT	030	SX	0377	1 3	6/20E-2-3316 6/20E- 6/20E-2-4410A	2FW213	В	T30F06
2FW05JA	FW	FWIV 2FW009B J/B A-TRAIN 1	F/L2874	B-W	JUNCTION	вох	SMT	030	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4410B	2FW238	В	T30F06
2FW05JB	FW	FWIV 2FW009B J/B B-TRAIN 2	F/L2874	B-W	JUNCTION	вох	SMT	070	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4410B	2FW217	В	T30F06
2FW05JD	FW	FWIV 2FW009B J/B D-POWER	F/L2874	B-W	JUNCTION	BOX	SMT	030	zx	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4410B	2FW218	В	T30F06
2FW06JA	FW	FWIV 2FW009C J/B A-TRAIN 1	F/L2874	B-W	JUNCTION	вох	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4410C	2FW247	В	T30F06
2FW06JB	FW	FWIV 2FW009C J/B B-TRAIN 2	F/L2874	B-W	JUNCTION	вох	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4410C	2FW221	В	T30F06
2FW06JD	FW	FWIV 2FW009C J/B D-POWER	F/L2874	B-W	JUNCTION	вох	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4410C	2FW222	В	T30F06
2FW07JA	FW	FWIV 2FW009D J/B A-TRAIN	F/L2874	B-W	JUNCTION	вох	SMT	029	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4410D	2FW224	В	T30F06



PROJECT NUMBER REVISION	BER	439		СОМ		EALTH EDISON (	DAT	- Telephone -	- BYR	Control of the last	RAIDWI	OOD STATION & 2)	PAGE DATE	:	421 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY		TYPE OF EQUIPMENT			TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
2FW07JB	FW		B-TRAIN	F/L2874	B-W	JUNCTION BOX	SMT	029	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4410D	2FW256	В	T30F06
2FW07JD	FW	. 700000000	D-POWER	F/L2874	B-W	JUNCTION BOX	SMT	029	SX S	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4410D	2FW225	В	T30F06



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (ULITS 1 & 2)

PAGE : 422 OF 477 DATE : O1 SEP 84

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

	PLT DES		IFICATIO		METH	CATION	DOCUMENT	REFERENCE	Е	: REMARKS	: COMP :NUMBER
					=====						:
EMP DEG F :	325	1	325	. 1	TYPE		BORG WARNER			REFER TO ENVIRONMENTAL QUALIFICATION BINDER	:T30F06
		1					:DATED 04/28/	78.		:NO. EQ-BB025 FOR COMPLETE DOCUMENTATION	1
PRESS PSIG :	19.7	1	110	1	TYPE	TEST				:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
		1									
EL HUMID %:	100	2	100	1	TYPE	TEST					
ADIATION :	1E04	3 1	1.2E06		TYPE	TEST					
		2									
HEM SPRAY :	N/A		N/A		N/	Δ					
PE THE MN :	CONT.		CONT.		TYPE	TEST					
The time init	COIT.	*	COIT.			1231					
UAL. LIFE :	40 VDS		.5 YRS.	1	TYPE	TECT					
MAL. LIFE .	40 TKS.		. J IKS.	1	THE	IESI					
UDWEDGENGE											
SUBMERGENCE:	N/A	7	N/A		N/	A					
		1									



PROJECT NUI		: 4391	-00	COM			H EDIS							(OOD STATION		PAGE	:	423 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY		YPE OF DUIPMENT		MFG			L	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM	. PA	ANEL NO	CAT.	COMPUTER NUMBER
1MSO3JA	MS	110000000000000000000000000000000000000	1MSOO1A -TRAIN 1	F/L2756		TB								6/20E-1-3316 6/20E- 6/20E-1-4382E		MS518	В	T30F05
1MSO3JB	MS		1MSOO1A 1-TRAIN 2	F/L2756	CTN BRX SME	CC	TYPE:N	IU-2	SMT	006	sx	0377	Т 3	6/20E-1-3316 6/20E- 6/20E-1-4382E	C **	<b>4</b> S270	В	T30F05
1MSO4JA	MS		1MSOO1B -TRAIN 1	F/L2756	CTN BRX SME	CC	TYPE:N	IU-2	SMT	007	ZX	0401	Т 3	6/20E-1-3317 6/20E- 6/20E-1-4382E	C 18	4S278	В	Y30F05
1MSO4JB	MS		1MSOO1B -TRAIN 2	F/L2756	CTN BRX SME	CC	TYPE:N	IU-2	SMT	007	ZX	0377	Т 3	6/20E-1-3317 6/20E- 6/20E-1-4382F	C 1N	MS520	В	T30F05
1MSO5JA	MS		1MSOO1C -TRAIN 1	F/L2756	CTN BRX SME	CC	TYPE:N	IU-2	SMT	007	ZX	0401	Т 3	6/20E-1-3317 6/20E- 6/20E-1-4382G	C 1N	15291	В	T30F05
1MSO5JB	MS		1MSOO1C -TRAIN 2	F/L2756	CTN BRX SME	CC	TYPE:N	IU-2	SMT	006	ZX	0377	Т 3	6/20E-1-3317 6/20E- 6/20E-1-4382G	C 1N	15522	В	T30F05
1MSO6JA	MS		1MSOO1D -TRAIN 1	F/L2756	CTN BRX SME	CC	TYPE:N	IU-2	SMT	007	SX	0377	Т 3	6/20E-1-3316 6/20E- 6/20E-1-4382H	C 1N	15526	В	T30F05
1MSO6JB	MS		1MSOO1D -TRAIN 2	F/L2756	CTN BRX SME	CC	TYPE:N	IU-2	SMT	007	SX	0377	Т 3	6/20E-1-3316 6/20E- 6/20E-1-4382H	C 1N	15309	В	T30F05
2MSO3JA	MS		2MSOO1A -TRAIN 1	F/L2756	CTN BRX SME	CC	TYPE:N	IU-2	SMT	030	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4382E	214	IS518	В	T30F05
2MSO3JB	MS		2MSOO1A -TRAIN 2	F/L2756	CTN BRX SME	CC	TYPE:N	IU-2	SMT	030	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4382E	2M	IS270	В	T30F05
2MSO4JA	MS		2MSOO1B -TRAIN 2	F/L2756	CTN BRX SME	CC	TYPE:N	U-2	SMT	029	ZX	0377	Т 3	6/20E- 6/20E- 6/20E-	2M	IS566	В	T30F05



REVISION	BER: 4391-00 : 0	COMMONWEAL	TH EDISON COMPAN IFICATION DATA	SHEET (UNITS 1 &		PAGE DATE	: 424 OF 477 : 01 SEP 84
EQUIPMENT NUMBER	TYPE OF SY EQUIPMENT	PURCHASE SPEC.NO. MFG TY	PE/MODEL BDG C	OCATION ENVR SO	IRING DIAGRAM NO.	PANEL NO CAT.	
2MSO4JB	MS MSIV 2MSOO1B J/B C-MISC		TYPE:NU-2 SMT C	029 ZX 0377 T 3 6,		2MS52O B	T30F05
2MSO5JA	MS MSIV 2MSOO1C J/8 A-TRAIN 1	F/L2756 CTN TB BRX CC SME IC		6,	/20E-2-3317 /20E- /20E-2-4382G	2MS297 B	T30F05
2MSO5JB	MS MSIV 2MSOO1C J/B B-TRAIN 2	F/L2756 CTN TB BRX CC SME IC		6	/20E-2-3317 /20E- /20E-2-4382G	2MS522 B	T30F05
2MSO6JA	MS MSIV 2MSOO1D J/B A-TRAIN 1	F/L2756 CTN TB BRX CC SME IC		6,	/20E-2-3316 /20E- /20E-2-4383H	2MS526 B	Y30F05
2MSO6JB	MS MSIV 2MSOO1D J/B B-TRAIN 2	F/L2756 CTN TB BRX CC SME IC		6,	/20E-2-3316 /20E- /20E-2-4382H	2MS310 B	130F05



PROJECT NUMBER: 4391-00 REVISION : 0 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
QUALIFICATION DATA SHEET (UNITS 1 & 2)

DATE : 01 SEP 84

PAGE : 425 OF 477

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

ARAMETER : PLT DES:	UALIFICATION:	QUALIFICATION METHOD	: QUALIFICATION : DOCUMENT REFERENCE	: REMARKS	: COMP : NUMBER
EMP DEG F : 325 :	325		:ANCHOR DARLING TEST REPORT :NO. QR-10.	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BB024 FOR COMPLETE DOCUMENTATION	:T30F05
RESS PSIG : 19.7 :	19.7	TYPE TEST		PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
EL HUMID %: 100 :	100	TYPE TEST			
ADIATION : 1EO4RAD:	1EO6 RADS	TYPE TEST			
HEM SPRAY : N/A :	N/A	N/A			
PE TME MN : CONT. :	CONT.	TYPE TEST			
UAL. LIFE :40 YRS.:	40 YRS.	TYPE TEST			
UBMERGENCE: N/A	N/A	N/A			



PROJECT NUM REVISION	BER	: 4391-00 : 0	COM		EALTH EDISON ENTIFICATION						OOD STATION & 2)	PAGE DATE	:	426 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL						SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	Committee of the Commit	0588 CAT.	COMPUTER NUMBER
1FW035A	FW	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	007	SX	0377	Т 3	6/20E-1-3316 6/20E- 6/20E-1-4415M	1FW438	Δ	T30C01
1FWO35A	FW	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	007	sx	0377	Т 3	6/20E-1-3316 6/20E- 6/20E-1-4415M	1FW442	A	T30C01
1FW035B	FW	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	007	ZX	0387	Т 3	6/20E-1-3317 6/20E- 6/20E-1-4415J	1FW454	Α	T30C01
1FW035B	FW	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	007	zx	0387	Т 3	6/20E-1-3317 6/20E- 6/20E-1-4415J	1FW458	Α	T30C01
IFW035C	FW	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	800	ZX	0388	Т 3	6/20E-1-3317 6/20E- 6/20E-1-4415J	1FW455	Δ	T30C31
IFW035C	FW	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	008	ZX	0388	Т 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	Т 3	6/20E-1-3316 6/20E- 6/20E-1-4415M	1FW439	Δ	T30C01
1FWO35D	FW	SOLENDID	F/L2793	ASC	NP-8320A186E	SMT	007	QX	0377	Т 3	6/20E-1-3316 6/20E- 6/20E-1-4415M	1FW443	Α	T30C01
1FWO43A	FW	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	007	sx	0377	Т 3	6/20E-1-3316 6/20E- 6/20E-1-4415L	1FW515	Α	T30C01
FWO43A	FW	SOLENDID	F/L2793	ASC	NP-8320A186E	SMT	007	SX	0377	1 3	6/20E-1-3316 6/20E- 6/20E-1-4415L	1FW535	Α	T30C01
1FW043B	FW	SOLENOID	F/L2793	ASC	NP-8320A18€E	SMT	007	YX	0380	Т 3	6/20E-1-3317 6/20E- 6/20E-1-4415P	1FW561	Α	T30C01



PROJECT NUMBER REVISION	BER	: 4391-00 : 0	СОМ		EALTH EDISON ENTIFICATION						WOOD STATION 1 & 2)	PAGE DATE	:	427 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL						SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
1FW043B	FW	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	007	YX	0380	Т 3	6/20E-1-3317 6/20E- 6/20E-1-4415P	1FW557	Α	T30C01
1FW043C	FW	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	008	ZX	0390	Т 3	6/20E-1-3317 6/20E- 6/20E-1-4415K	1FW562	Α	T30C01
1FW043C	FW	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	008	ZX	0390	Т 3	6/20E-1-3317 6/20E- 6/20E-1-4415K	1FW558	Α	T30C01
1FW043D	FW	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	007	sx	0377	Т 3	6/20E-1-3316 6/20E- 6/20E-1-4415L	1FW536	Α	T30C01
1FWO43D	FW	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	007	SX	0377	Т 3	6/20E-1-3316 6/20E- 6/20E-1-4415L	1FW532	Α	T30C01
1MS101A	MS	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	006	SX	0377	Т 3	6/20E-1-3316 6/20E- 6/20E-1-4382E	1MS320	۸	T30C01
1MS 101B	MS	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	006	SX	0377	Т 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	Т 3	6/20E-1-3317 6/20E- 6/20E-1-4382E	1MS330	A	T30C01
1MS101C	MS	SOLENOID	F/L2793	ASC	NP-8320A 186E	SMT	006	sx	0377	Т 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	Т 3	6/20E-1-3316 6/20E- 6/20E-1-4382E	1MS335	Α	T30C01
1MS 101D	MS	SOLENOID	F/L2793	ASC	NP-8320A 186E	SMT	006	SX	0377	Т 3	6/20E-1-3316 6/20E- 6/20E-1-4382E	1MS337	A	T30C01



PROJECT NUM REVISION	BER	: 4391-00 : 0	COM		EALTH EDISON ENTIFICATION						OOD STATION & 2)	PAGE DATE	:	428 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.		TYPE/MODEL						SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
1SD002A	SD	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	006	SX	0377	Т 3	6/20E-1-3316 6/20E- 6/20E-1-4833E	1SDO15	A	T30C01
1SD002A	SD	SOLENDID	F/L2793	ASC	NP-8320A186E	SMT	006	SX	0377	Т 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	Т 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	Т 3	6/20E-1-3316 6/20E- 6/20E-1-4833E	1SD019	Δ	T30C01
1SD002C	SD	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	006	SX	0377	Т 3	6/20E-1-3316 6/20E- 6/20E-1-4833E	1SD031	Α	T30C01
1SD002C	SD	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	006	SX	0377	Т 3	6/20E-1-3316 6/20E- 6/20E-1-4833E	1SD009	Α	T30C01
1SD002D	SD	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	006	SX	0377	Т 3	6/20E-1-3316 6/20E- 6/20E-1-4833E	1SD035	Δ	T30C01
1SD002D	SD	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	006	SX	0377	Т 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	Т 3	6/20E-1-3317 6/20E- 6/20E-1-4833C	1SD043	Α	T30C01
1SD002E	SD	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	006	ZX	0380	Т 3	6/20E-1-3317 6/20E- 5/20E-1-4833C	1SD052	Α	T30C01
1SD002F	SD	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	006	ZX	0380	Т 3	6/20E-1-3317 6/20E- 6/20E-1-4833C	1SD044	Δ	T30C01



PROJECT NUM REVISION	BER	: 4391-00 : 0	COMI		EALTH EDISON ENTIFICATION							PAGE DATE	:	429 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.		TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	- Street and the second	0588 CAT.	COMPUTER NUMBER
1SD002F	SD	SOLENOID	F/L2793	ASC	NP-8320A186E	1000	7	7				1SD056	Α	T30C01
1SD002G	SD	SOLENDID	F/L2793	ASC	NP-8320A186E	SMT	006	ZX	0380	Т 3	6/20E-1-3317 6/20E- 6/20E-1-4833D	1SD047	A	T30C01
1SD002G	SD	SOLENDID	F/L2793	ASC	NP-8320A186E	SMT	006	ZX	0380	Т 3	6/20E-1-3317 6/20E- 6/20E-1-4833D	1SD068	Α	T30C01
1SD002H	SD	SOLENDID	F/L2793	ASC	NP-8320A186E	SMT	006	ZX	0380	Т 3	6/20E-1-3317 6/20E- 6/20E-1-4833D	1SDO48	Α	T30C01
1SD002H	SD	SOLENDID	F/L2793	ASC	NP-8320A186E	SMT	006	ZX	0380	Т 3	6/20E-1-3317 6/20E- 6/20E-1-4833D	1SD072	A	T30C01
1SD005A	SD	SOLENDID	F/L2793	ASC	NP-8320A186E	SMT	006	SX	0377	Т 3	6/20E-1-3316 6/20E- 6/20E-1-4833E	1SD023	A	T30C01
1SD005A	SD	SOLENDID	F/L2793	ASC	NP-8320A186E	SMT	006	SX	0377	Т 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	Т 3	6/20E-1-3316 6/20E- 6/20E-1-4833E	1SD008	A	T30C01
1SD005B	SD	SOLENDID	F/L2793	ASC	NP-8320A186E	SMT	006	SX	0377	Т 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	Т 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	Т 3	6/20E-1-3317 6/20E- 6/20E-1-4833C	1SD060	Α	T30C01



PROJECT NUMB	BER	: 4391-00 : 0	СОМІ		EALTH EDISON ENTIFICATION	COMP		- BYF			OOD STATION & 2)	PAGE DATE	:	430 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG					SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER
1SD005D	SD	SOLENDID	F/L2793	ASC	NP-8320A186E	SMT	006	ZX	0383	Т 3	6/20E-1-3317 6/20E- 6/20E-1-4833D	1SD064	Α	T30C01
1SD005D	SD	SOLENOID	F/L2793	ASC	NP-8320A 186E	SMT	006	ZX	0383	Т 3	6/20E-1-3317 6/20E- 6/20E-1-4833D	1SD046	Α	T30C01
2FW035A	FW	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	030	SX	0377	Т 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	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4415M	2FW442	Α	T30C01
2FW035B	FW	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4415J	2FW450	Δ	T30C01
2FW035B	FW	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4415J	2FW450	Α	T30C01
2FW035C	FW	SOLENDID	F/L2793	ASC	NP-8320A 186E	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4415J	2FW451	A	130001
2FW035C	FW	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4415J	2FW451	A	T30C01
2FWO35D	FW	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	029	QX	0377	Т 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	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4415M	2FW443	A	130001
2FW040A	FW	SOLENOID	F/L2793	ASC	NP-8320A 186E	SMT	029	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4415L	2FW484	Α	T30C01



PROJECT NUM REVISION	BER	: 4391-00 : 0	COM		EALTH EDISON ENTIFICATION						OOD STATION 8 2)	PAGE DATE	:	431 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
2FW040A	FW	SOLENDID	F/L2793	ASC	NP-8320A186E						6/20E-2-3316 6/20E- 6/20E-2-4415L	2FW484	A	T30C01
2FW040B	FW	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4415P	2FW500	A	T30C01
2FW040B	FW	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4415P	2FW500	Α	T30C01
2FWO4OC	FW	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4415K	2FW501	A	T30C01
2FW040C	FW	SOLENDID	F/L2793	ASC	NP-8320A186E	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4415K	2FW501	A	T30C01
2FWO4OD	FW	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	029	sx	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4415L	2FW475	A	T30C01
2FWO4OD	FW	SOLENGID	F/L2793	ASC	NP - 8320A 186E	SMT	029	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4415L	2FW475	A	T30C01
2FW043A	FW	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	030	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4415L	2F <b>W</b> 515	A	T30C01
2FW043A	FW	SOLENOID	F/L2793	ASC	NP-8320A 186E	SMT	030	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4415L	2FW515	Α	T30C01
2FW043B	FW	SOLENOID	F/L2793	ASC	NP-8320A 186E	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4415P	2FW551	Α	T30C01
2FW043B	FW	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4415P	2FW551	Δ	T30C01



PROJECT NUM REVISION	BER	: 4391-00 : 0	СОМ		EALTH EDISON ENTIFICATION	DAT		- BY			OOD STATION 8 2)	PAGE DATE	:	432 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.		TYPE/MODEL		COL	ROW		ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
2FW043C		SOLENDID	F/L2793	ASC	NP-8320A186E	SMT						2FW562	Α	T30C01
2FW043C	FW	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4415K	2FW562	A	T30C01
2FW043D	FW	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	029	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4415N	2FW536	Α	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	Α	T30C01
2MS 101A	MS	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	030	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4382C	2MS322	A	T30C01
2MS 101A	MS	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	030	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4382C	2MS322	Α	T30C01
2MS101A	MS	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	006	SX	0377	Т 3	6/20E-1-3316 6/20E- 6/20E-1-4382E	1MS322	Α	T30C01
2MS101B	MS	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	030	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4382C	2MS327	Α	T30C01
2MS101B	MS	SOLENOID	F/L2793	ASC	NP-8320A 186E	SMT	030	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4382C	2MS327	A	T30C01
2MS101B	MS	SOLENDID	F/L2793	ASC	NP-8320A 186E	SMT	006	SX	0377	Т 3	6/20E-1-3317 6/20E- 6/20E-1-4382E	1MS327	Δ	T30C01
2MS101C	MS	SOLENOID	F/L2793	ASC	NP-8320A 186E	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4382D	2MS332	Α	T30C01



PROJECT NUM REVISION	BER	4391-00	сом		EALTH EDISON ENTIFICATION						00D STATION 8 2)	PAGE DATE	:	433 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
2MS 101C	MS	SOLENGIO	F/L2793	ASC							6/20E-2-3317 6/20E- 6/20E-2-4382D	2MS332	A	T30C01
2MS 101D	MS	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	029	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4382D	2MS337	A	T30C01
2MS 101D	MS	SOLENGID	F/L2793	ASC	NP-8320A186E	SMT	029	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4382D	2MS337	Α	T30C01
2SD002A	SD	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	030	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD005	Α	T30C01
25D002A	SD	SOLENDID	F/L2793	ASC	NP-8320A 186E	SMT	030	SX	0377	Т 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	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD005	Α	T30C01
2SD002B	SD	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	030	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD006	A	T30C01
2SD002B	SD	SOLENOID	F/L2793	ASC	NP-8320A 186E	SMT	030	sx	0377	Т 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	Т 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	Т 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	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD009	A	T30C01



PROJECT NUM REVISION	BER	: 4391-00 : 0	СОМ		EALTH EDISON ENTIFICATION			- BYF			00D STATION 8 2)	PAGE DATE		434 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG					SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER
2SD002C	SD	SOLENDID	F/L2793	ASC	NP-8320A186E	SMT	029	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD009	Α	T30C01
2SD002D	SD	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	029	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	250010	A	T30C01
2SD002D	SD	SOLENOID	F/L2793	ASC	NP-8320A 186E	SMT	029	SX	0377	Т 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	Т 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	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD043	Α	T30C01
2SD002E	SD	SOLENOID	F/L2793	ASC	NP-8320A 186E	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD043	Α	T30C01
2SD002E	SD	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	250043	Δ	T30C01
2SD002F	SD	SOLENOID	F/L2793	ASC	NP-83204186E	SMT	029	zx	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD044	Α	T30C01
2SD002F	SD	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SDO44	Α	T30C01
2SD002F	SD	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD044	Δ	T30C01
2SD002G	SD	SOLENDID	F/L2793	ASC	NP-8320A186E	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD047	Α	T30C01



PROJECT NUM REVISION	BER	: 4391-00 : 0	СОМ		EALTH EDISON ENTIFICATION							PAGE DATE	:	435 DF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.		TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
2SD002G	SD	SOLENOID	F/L2793	ASC							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	Т 3	6/20E-2-3317 6/20E- 5/20E-2-4833E	2SD047	Α	T30C01
2SD002H	SD	SOLENDID	F/L2793	ASC	NP-8320A186E	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD048	Α	T30C01
2SD002H	SD	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	029	zx	0377	Т 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	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD048	A	T30C01
2SD005A	SD	SOLENOID	1/1.2793	ASC	NP-8320A186E	SMT	030	. sx	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD007	Α	T30C01
2SDC05A	SD	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	030	sx	0377	Т 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	ТЗ	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD007	A	130001
2SD005B	SD	SOLENOID	F/L2793	ASC	NP-8320A 186E	SMT	029	sx	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD008	Α	130001
2SD005B	SD	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	029	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	250008	Α	T30C01
2SD005B	SD	SOLENOID	F/L2793	ASC	NP-8320A 186E	SMT	029	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD008	Α	T30C01



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EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG	COL		ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER
2SD005C	SD	SOLENOID	F/L2793		NP-8320A186E	7		ALC: UNKNOWN	0377		6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD045	Α	T30C01
2SD005C	SD	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	029	ZX	0377	Т 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	ТЗ	6/20E-2-3317 6/20E- 6/20E-2-48 %	2SD045	A	T30C01
2SD005D	SD	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	029	ZX	0377	Т 3	6/20E-2-33.7 6/20E- 6/20E-2-4833E	2SD046	A	T30C01
2SD005D	SD	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	25D046	A	T30C01
2SD005D	SD	SOLENOID	F/L2793	ASC	NP-8320A186E	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD046	A	T30C01



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 437 OF 477 DATE : 01 SEP 84

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

	PLT DI	200000000000000000000000000000000000000	LIFICATION		IFICATI ETHOD	ON: QUALIFICATION : DOCUMENT REFERENCE	: : REMARKS	: COMP : NUMBER
						;	*; *********************************	
EMP DEG F :	325		348	: 11	PE TEST	:ASCO TEST REPORT NO. AQR :67368,REV.O.DATED 03-02-82.	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BBO26 FOR COMPLETE DOCUMENTATION	:T30C0
RESS PSIG :	28		56	: T)	PE TEST	The state of the s	:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
				:				1
L HUMID %:	100		100/STEAM	: T)	PE TEST		그렇게 살고 있는데 가는 이 아이 아이에 가게 되었다.	
		:		:				
DIATION :	1E04	1 :	2.05E08	: T1	PE TEST	교육하다 열심 왕에 주었다면 이 경험이다.		
				1				
EM SPRAY :	N/A	:	N/A	1	N/A			1
				1				
E TME MN :	CONT . /	1 :	CONT./	: T1	PE TEST			
:	INTER.		INTER.	2				
AL. LIFE :	40 YRS	:	40.0 YRS	: T)	PE TEST		:40 YEARS LIFE IS BASED UPON REPLACING THE	
		:					:ELASTOMERS AND SOLENOID COILS BASED ON AMBIEN	Τ.
BMERGENCE:	N/A		N/A		N/A		:TEMPERATURE.	
				:				



PROJECT NUMBER REVISION	BER	: 4391-00 : 0	СОМ		EALTH EDISON ENTIFICATION	COMPANY - BYI	The second of the second of			PAGE DATE	:	438 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY.==			MFG	TYPE/MODEL	BDG COL ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
1MS001A	MS	ISOLATION GATE VALVE	F/L2756	A/D	30X24X30 MSIV		0377			N/A	N/A	T30B05
1MS001B	MS	ISOLATION GATE VALVE	F/L2756	A/D	30X24X30 MSIV	TUN	0394	Т 3	N/A	N/A	N/A	T30B05
1MS001C	MS	ISOLATION GATE VALVE	F/L2756	A/D	30X24X30 MSIV	TUN	0394	т з	N/A	N/A	N/A	T30B05
1MS001D	MS	ISOLATION GATE VALVE	F/L2756	A/D	30X24X30 MSIV	TUN	0377	Т 3	N/A	N/A	N/A	T30B05
2MSO01A	MS	ISOLATION GATE VALVE	F/L2756	A/D	30X24X30 MSIV	TUN	0377	Т 3	N/A	N/A	N/A	T30B05
2MS001B	MS	ISOLATION GATE VALVE	F/L2756	A/D	30X24X30 MSIV	TUN	0377	Т 3	N/A	N/A	N/A	T30B05
2MS001C	MS	ISOLATION GATE VALVE	F/L2756	A/D	30X24X30 MSIV	TUN	0377	Т 3	N/A	N/A	N/A	Т30В05
2MS001D	MS	ISOLATION GATE VALVE	F/L2756	A/D	30X24X30 MSIV	TUN	0377	т з	N/A	N/A	N/A	T30B05



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 439 OF 477 DATE : 01 SEP 84

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

PARAMETER :	PLT DES		:QUALIFICATION	: DOCUMENT	REFERENCE	REMARKS	: COMP : NUMBER
EMP DEG F :	579	1200	: ANALYSIS	SEE REMARKS		:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BBO43 FOR COMPLETE DOCUMENTATION	:T30B05
PRESS PSIG :	1318	: 2500	ANALYSIS			:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %:	100	100	ANALYSIS			보통에 되었다면 되는 어떻게 하는 것이다.	
RADIATION :	1E04	: : 1E10	: ANALYSIS				
CHEM SPRAY	N/A	. N/A	N/A				
PE THE MN :	CONT.	CONT.	: ANALYSIS			기후 하네요 있는데 남자, 에 이를 된 어느니까?	
UAL. LIFE :	10 YRS	: 40 YRS.	ANALYSIS				
SUBMERGENCE:	N/A	: N/A	N/A				



PROJECT NUMBER REVISION	and the same of	: 4391-0 : 0	00	COMM		EALTH EDISON ENTIFICATION	DATA SE					PAGE DATE	:	440 OF 477 O1 SEP 84
EQUIPMENT NUMBER 1FW036A				SPEC.NO.	MFG	TYPE/MODEL	BDG COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER T30B02
1FW036B	FW	RELIEF	VALVE	F/L2718-1	A/G	900CUIB	TUN		0387	т з	N/A	N/A	N/A	T30B02
1FW036C	FW	RELIEF	VALVE	F/L2718-1	A/G	900CUIB	TUN		0387	Т 3	N/A	N/A	N/A	T30B02
1FW036D	FW	RELIEF	VALVE	F/L2718-1	A/G	900CU1B	TUN		0387	тз	N/A	N/A	N/A	T30B02
2FWO36A	FW	RELIEF	VALVE	F/L2718-1	A/G	900CUIB	TUN		0385	Т 3	N/A	N/A	N/A	T30B02
2FW036B	FW	RELIEF	VALVE	F/L2718-1	A/G	900CUIB	TUN		0387	тз	N/A	N/A	N/A	T30B02
2FW036C	FW	RELIEF	VALVE	F/L2718-1	A/G	900CNIB	TUN		0387	ТЗ	N/A	N/A	N/A	T30B02
2FW036D	FW	RELIEF	VALVE	F/L2718-1	A/G	900CUIB	TUN		0387	Т 3	N/A	N/A	N/A	T30B02



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REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION
QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 441 OF 477 DATE : 01 SEP 84

T30B02

SPEC. NUM.: F/ 2718-1

SYSTEM :

SAFETY CAT: A

FUNCTION : RELIEF VALVE

ENVR ZONE : T 3

COMP/EQUIP: RELIEF VALVES

MANUF. : ANDERGON-GREENWOOD

MODEL SUPP: 900 CUIB

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

	QUALIFICATION	:QUALIFICATION I: METHOD		: REMARKS	. COMP : NUMBER
EMP DEG F : 325 :		: ANALYSIS	SEE REMARKS	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BBO42 FOR COMPLETE DOCUMENTATION	:T30B02
RESS PSIG : 28 :	50	: ANALYSIS		PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %:50-100 :	100	ANALYSIS			
ADIATION : 1EO4 :	2E08	: ANALYSIS			
HEM SPRAY : N/A :	N/A	: N/A			
PE THE MN : CONT. :	CONT.	ANALYSIS			
OUAL. LIFE :40 YRS :	40 YRS.	ANALYSIS			
SUBMERGENCE: N/A	N/A	N/A			



PROJECT NUMI REVISION		: 4391-00 : 0		СОМ		EALTH EDISON		ANY - BY				PAGE DATE	:	442 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE (	ENT	SPEC.NO.	MFG	TYPE/MODEL	BDG	COL ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	NUMBER
1FW009A		ISOLATION VALVE					TUN		0377		N/A	N/A	N/A	T30B19
1FW009B	FW	ISOLATION VALVE	GATE	F/L2874	B/W	16X 10X 16X 900LB	TUN		0377	Т 3	N/A	N/A	N/A	T30B19
1FW009C	FW	ISOLATION VALVE	GATE	F/L2874	B/W	16X 10X 16X 900LB	TUN		0377	Т 3	N/A	N/A	N/A	T30819
1FW009D	FW	ISOLATION VALVE	GATE	F/L2874	B/W	16X 10X 16X 900LB	TUN		0377	Т 3	N/A	N/A	N/A	T30B19
2FW009A	FW	ISOLATION VALVE	GATE	F/L2874	B/W	16X 10X 16X 900LB	TUN		0377	Т 3	N/A	N/A	N/A	T30B19
2FW009B	FW	ISOLATION VALVE	GATE	F/L2874	B/W	16X 10X 16X 900LB	TUN		0377	) 3	N/A	N/A	N/A	T30B19
2FW009C	FW	ISOLATION VALVE	GATE	F/L2874	B/W	16X 10X 16X 900LB	TUN		0377	Т 3	N/A	N/A	N/A	T30B19
2FW009D	FW	ISOLATION VALVE	GATE	F/L2874	B/W	16X 10X 16X 900LB	TUN		0377	т з	N/A	N/A	N/A	T30B19



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COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION

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QUALIFICATION DATA SHEET (UNITS 1 & 2)

DATE : O1 SEP 84

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 TABLE OF PLANT ENVIRONMENTAL CONDITIONS

ARAMETER :		ES:Q	UALIFICATIO	.:QUALIFICATI	ON:	QUALIF1 DOCUMENT	CATION REFERENCE	: : REMARKS	: COMP : NUMBER
EMP DEG F	44		1200	: ANALYSIS	SEE	REMARKS		:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BBO51 FOR COMPLETE DOCUMENTATION	: T30B19
RESS PSIG :	175	50 :	2000	: ANALYSIS				:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
				1					
EL HUMID %:	100	) :	100	: ANALYSIS	3				
ADIATION :	15/	)4 :	1.5E09	ANALYSIS	100			나 하나 아니는 아들은 아이들이 아이를 살아서 되었다.	
ADIATION .	121	,,,,	1.5005	. AMACTOTO					
HEM SPRAY :	N/		N/A	: N/A					
				3 1 1 1 1 1 1 1 1 1	1.00				1.5
PE THE MN :	CON	. :	CONT.	: ANALYSIS	6.3				
UAL. LIFE :	40 VI	, .	40 YRS.	: ANALYSIS					
JAL. LIFE .	40 11		40 TK3.	. MINAL 1313					
JBMERGENCE :	N/I		N/A	: N/A	- 15				
· ·									



PROJECT NUM REVISION	-	: 4391-00 : 0	COM		EALTH EDISON ENTIFICATION						PAGE DATE		
EQUIPMENT NUMBER		TYPE OF EQUIPMENT		MFG	TYPE/MODEL	BDG	COL ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
1MSO13A		ISOLATION RELIEF VALVE	F/L2761			TUN		0405		N/A	N/A	N/A	T30B06
1MSO13B	MS	ISOLATION RELIEF VALVE	F/L2761	DRE	3707R	TUN		0405	Т 3	N/A	N/A	N/A	T30B06
1MSO13C	MS	I OLATION RELIEF VALVE	F/L2761	DRE	3707R	TUN		0405	Т 3	N/A	N/A	N/A	T30B06
1MSO13D	MS	ISOLATION RELIEF VALVE	F/L2761	DRE	3707R	TUN		0405	Т 3	N/A	N/A	N/A	T30B06
1MSO14A	MS	ISOLATION RELIEF VALVE	F/L2761	DRE	3707R	TUN		0405	Т 3	N/A	N/A	N/A	T30B06
1MSO14B	MS	ISOLATION RELIEF VALVE	F/L2761	DRE	3707R	TUN		0405	Т 3	N/A	N/A	N/A	130806
1MSO14C	MS	ISOLATION RELIEF VALVE	F/L2761	DRE	3707R	TUN		0405	Т 3	N/A	N/A	N/A	T30806
IMSO14D	MS	ISOLATION RELIEF VALVE	F/L2761	DRE	3707R	TUN		0405	Т 3	N/A	N/A	N/A	T30B06
1MSO15A	MS	ISOLATION RELIEF VALVE	F/L2761	DRE	3707R	TUN		0405	Т 3	N/A	N/A	N/A	T30B06
1MSO158	MS	ISOLATION RELIEF VALVE	F/L2761	DRE	3707R	TUN		0405	Т 3	N/A	N/A	N/A	T30B06
1MSO15C	MS	ISOLATION RELIEF VALVE	F/L2761	DRE	3707R	TUN		0405	Т 3	N/A	N/A	N/A	T30B06



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 445 OF 477 REVISION IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84 EQUIPMENT PURCHASE TYPE OF --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER NUMBER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER 1MS015D F/L2761 DRE 3707R MS ISOLATION 0405 T 3 N/A N/A N/A T30B06 RELIEF VALVE 1MS016A MS ISOLATION F/L2761 DRE 3707R TUN 0405 T 3 N/A N/A N/A T30B06 RELIEF VALVE 1MS016B MS ISOLATION F/L2761 DRE 3707R TUN 0405 T 3 N/A N/A N/A T30B06 RELIEF VALVE 1MS016C MS ISOLATION F/L2761 DRE 3707R TUN 0405 T 3 N/A N/A N/A T30B06 RELIEF VALVE 1MSO16D MS ISOLATION F/L2761 DRE 3707R TUN 0405 T 3 N/A N/A N/A T30B06 RELIEF VALVE 1MS017A MS ISOLATION F/L2761 DRE 3707R TUN 0405 T 3 N/A N/A N/A T30B06 RELIEF VALVE 1MSO17B MS ISOLATION F/L2761 DRE 3707R TUN 0405 T 3 N/A N/A N/A T30B06 RELIEF VALVE 1MS017C MS ISOLATION F/L2761 DRE 3707R TUN 0405 T 3 N/A N/A N/A T30806 RELIEF VALVE 1MS017D MS ISOLATION F/L2761 DRE 3707R TUN 0405 T 3 N/A N/A N/A T30B06 RELIEF VALVE 2MSO13A MS ISOLATION F/L2761 DRE 3707R TUN 0405 T 3 N/A N/A T30B06 RELIEF VALVE 2MS013B MS ISOLATION F/L2761 DRE 3707R TUN 0405 T 3 N/A N/A N/A T30B06 RELIEF VALVE



PROJECT NUMBER: 4391-C COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 446 OF 477 REVISION : O IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84 EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG CDL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER 2MS013C MS ISOLATION F/L2761 DRE 5707R 0405 T 3 N/A N/A N/A T30B06 RELIEF VALVE 2MS013D MS ISOLATION F/L2761 DRE 3707R TUN 0405 T 3 N/A N/A N/A T30B06 RELIEF VALVE 2MSO14A MS ISOLATION F/L2761 DRE 3707R TUN 0405 T 3 N/A N/A N/A T30B06 RELIEF VALVE 2MSO14B MS ISOLATION F/L2761 DRE 3707R TUN 0405 T 3 N/A N/A N/A T30B06 RELIEF VALVE 2MSO14C MS ISOLATION F/L2761 FRE 3707R TUN 0405 T 3 N/A N/A N/A T30B06 RELIEF VALVE 2MSO14D MS ISOLATION F/L2761 !E 3707R 0405 T 3 N/A N/A N/A T30B06 RELIEF VALVE 2MS015A MS ISOLATION F/L2761 LRE 3707R TUN 0405 T 3 N/A N/A N/A T30B06 RELIEF VALVE 2MS015B MS ISOLATION F/L2761 DRE 3707R TUN 0405 T 3 N/A N/A N/A T30B06 RELIEF VALVE 2MS015C MS ISOLATION F/L2761 DRE 3707R TUN 0405 T 3 N/A N/A N/A T30B06 RELIEF VALVE 2MSO15D MS ISOLATION F/L2761 DRE 3707R TUN 0405 T 3 N/A N/A N/A T30B06 RELIEF VALVE 2MS016A MS ISOLATION F/L2761 DRE 3707R TUN 0405 T 3 N/A N/A N/A T30B06 RELIEF VALVE



PROJECT NUM REVISION	BER	: 4391-00 : 0	сом		EALTH EDISON		ANY - BY			OOD STATION & 2)	PAGE DATE	:	447 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	Market Committee		MFG	TYPE/MODEL	BDG	COL ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
2MSO16B		ISOLATION RELIEF VALVE			3707R	TUN		0405		N/A	N/A	N/A	T30B06
2MSO16C	MS	ISOLATION RELIEF VALVE	F/L2761	DRE	3707R	TUN		0405	Т 3	N/A	N/A	N/A	T30B06
2MSO16D	MS	ISOLATION RELIEF VALVE	F/L2761	DRE	3707R	TUN		0405	Т 3	N/A	N/A	N/A	T30B06
2MSO17A	MS	ISOLATION RELIEF VALVE	F/L2761	DRE	3707R	TUN		0405	Т 3	N/A	N/A	N/A	T30B06
2MSO17B	MS	ISOLATION RELIEF VALVE	F/L2761	DRE	3707R	TUN		0405	Т 3	N/A	N/A	N/A	T30B06
2MSO17C	MS	ISOLATION RELIEF VALVE	F/L2761	DRE	3707R	TUN		0405	Т 3	N/A	N/A	N/A	T30B06
2MSO17D	MS	ISOLATION RELIEF VALVE	F/L2761	DRE	3707R	TUN		0405	т з	N/A	N/A	N/A	130806



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 448 OF 477 DATE : O1 SEP 84

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 CONDITIONS

PARAMETER :	PLT		QUALIFICATI	ON:		:	QUALIFICATION DOCUMENT REFERENCE	: REMARKS	: COMP : NUMBER
TEMP DEG F :	32	15 :			SEE REMARKS		N/A	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :N . CQD- N/A FOR COMPLETE DOCUMENTATION :PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	:T30B06
REL HUMID %:								:ITEMS DO NOT CONTAIN ANY NON-METALIC PARTS: :THEREFORE NO E.Q. REQUIRED. :NO BINDER REQUIRED.	
CHEM SPRAY	N/	Α :		1					
PE THE MN :	CON	IT.						글이 하는 눈물이 되었다면 하다 하나 되었다.	
QUAL. LIFE :	40 )	RS :		1		1		그리는 이렇게 되는 그는 그렇게 되는 것은	
SUBMERGENCE:	N/	A :		1		1			



COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PROJECT NUMBER: 4391-00 PAGE : 449 OF 477 REVISION : 0 IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84 EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER NUMBER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER F/L2793 MSN 3IN.-4000 1FW035A FW GLOBE CONTROL TUN 0377 T 3 N/A N/A N/A T30B08 VALVE 1FW035B FW GLOBE CONTROL F/L2793 MSN 3IN.-4000 TUN 0387 T 3 N/A N/A N/A T30B08 VALVE 1FW035C FW GLOBE CONTROL F/L2793 MSN 31N. -4000 TUN 0387 T 3 N/A N/A N/A T30B08 VALVE 1FW035D FW GLOBE CONTROL F/L2793 MSN 3IN. -4000 0377 T 3 N/A TUN N/A N/A T30B08 VALVE 1FWO43A FW GLOBE CONTROL F/L2793 MSN 3IN.-4000 TUN 0377 T 3 N/A N/A N/A T30B08 VALVE 1FW043B FW GLOBE CONTROL F/L2793 MSN 3IN. -4000 TUN 0380 T 3 N/A N/A N/A T30B08 VALVE 1FW043C FW GLOBE CONTROL F/L2793 MSN 3IN.-4000 TUN 0390 T 3 N/A N/A N/A T30B08 VALVE 1FW043D FW GLOBE CONTROL F/L2793 MSN 3IN. -4000 TUN 0377 T 3 N/A N/A N/A T30B08 VALVE 1SD002A SD GLOBE CONTROL F/L2793 MSN 2.38-20771 TUN 0377 T 3 N/A N/A N/A T30B08 VALVE 1SD002B SD GLOBE CONTROL F/L2793 MSN 2.38-20771 TUN 0377 T 3 N/A N/A N/A T30B08 VALVE 1SD002C SD GLOBE CONTROL F/L2793 MSN 2.38-20771 TUN 0377 T 3 N/A N/A N/A T30B08 VALVE



PROJECT NUMBER REVISION		4391	-00	СОМ		EALTH EDISON (						PAGE DATE	:	
EQUIPMENT NUMBER		EQ	YPE OF UIPMENT		MFG	TYPE/MODEL	BDG	COL ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
1SD002D	SD		CONTROL			2.38-20771	TUN	***.***	0377		N/A	N/A	N/A	T30B08
1SD002E	100	GLOBE VALVE	CONTROL	F/L2793	MSN	2.38-20771	TUN		0380	Т 3	N/A	N/A	N/A	T30B08
1SD002F		GLOBE VALVE	CONTROL	F/L2793	MSN	2.38-20771	TUN		0380	т з	N/A	N/A	N/A	T30B08
1SD002G		GLOBE VALVE	CONTROL	F/L2793	MSN	2.38-20771	TUN		0380	Т 3	N/A	N/A	N/A	T30B08
1SD002H		GLOBE	CONTROL	F/L2793	MSN	2.38-20771	TUN		0380	Т 3	N/A	N/A	N/A	T30B08
1SD005A		GLOBE VALVE	CONTROL	F/L2793	MSN	3/8-38-20571	TUN		0377	Т 3	N/A	N/A	N/A	T30B08
1SD005B		GLOBE VALVE	CONTROL	F/L2793	MSN	3/8-38-20571	TUN		0377	Т 3	N/A	N/A	N/A	T30B08
1SD005C		GLOBE VALVE	CONTROL	F/L2793	MSN	3/8-38-20571	TUN		0383	тз	N/A	N/A	N/A	T30B08
1SD005D		GLOBE VALVE	CONTROL	F/L2793	MSN	3/8-38-20571	TUN		0383	Т 3	N/A	N/A	N/A	T30B08
2FW035A		GLOBE VALVE	CONTROL	F/L2793	MSN	3IN4000	TUN		0377	Т 3	N/A	N/A	N/A	T30808
2FW035B		GLOBE VALVE	CONTROL	F/L2793	MSN	31N4000	TUN		0377	тз	N/A	N/A	N/A	T30808



PROJECT NUM	BER	4391	-00	COM		ALTH EDISON ENTIFICATION					PAGE DATE	:	451 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	EQ	YPE OF UIPMENT		MFG	TYPE/MODEL	BDG COL ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
2FW035C			CONTROL			3IN4000	TUN	0377		N/A	N/A	N/A	T30B08
2FW035D	FW	GLOBE VALVE	CONTROL	F/L2793	MSN	3IN4000	TUN	0377	Т 3	N/A	N/A	N/A	T30B08
2FWO43A	FW	GLOBE	CONTROL	F/L2793	MSN	3IN4000	TUN	0377	Т 3	N/A	N/A	N/A	T30808
2FW043B	FW	GLOBE VALVE	CONTROL	F/L2793	MSN	3IN4000	TUN	0377	Т 3	N/A	N/A	N/A	T30B08
2FWO43C	FW	GLOBE VALVE	CONTROL	F/L2793	MSN	3IN4000	TUN	0377	Т 3	N/A	N/A	N/A	T30B08
2FWO43D	FW	GLOBE	CONTROL	F/L2793	MSN	3IN4000	TUN	0377	Т 3	N/A	N/A	N/A	T30B08
2SD002A	SD	GLOBE	CONTROL	F/L2793	MSN	2-38-20721	TUN	0377	Т 3	N/A	N/A	N/A	T30B08
2SD002B	SD	GLOBE	CONTROL	F/L2793	MSN	2-38-20721	TUN	0377	Т 3	N/A	N/A	N/A	T30B08
2SD002C	SD	GLOBE	CONTROL	F/L2793	MSN	2-38-20721	TUN	0377	Т 3	N/A	N/A	N/A	T30B08
2SD002D	SD	GLOBE	CONTROL	F/L2793	MSN	2-38-20721	TUN	0377	Т 3	N/A	N/A	N/A	T30B08
2SD002E	SD	GLOBE VALVE	CONTROL	F/L2793	MSN	2-38-20721	TUN	0377	Т 3	N/A	N/A	N/A	T30B08



PROJECT NUME REVISION	BER	: 4391	-00	СОМ		EALTH EDISON	DATA SHEET			OOD STATION 8 2)	PAGE DATE		452 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	EQ	YPE OF UIPMENT	The second secon	MFG	TYPE/MODEL	PDG COL ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
2SD002F	SD	*,	CONTROL			2-38-20721	TUN			N/A	N/A	N/A	T30B08
2SD002G	SD	GLOBE VALVE	CONTROL	F/L2793	MSN	2-38-20721	TUN	0377	Т 3	N/A	N/A	N/A	T30808
2SD005A	SD	GLOBE VALVE	CONTROL	F/L2793	MSN	3/8-38-20571	TUN	0377	т з	N/A	N/A	N/A	T30808
2SD0058	SD	GLOBE VALVE	CONTROL	F/L2793	MSN	3/8-38-20571	TUN	0377	Т 3	N/A	N/A	N/A	T30B08
2SD005C	SD	GLOBE VALVE	CONTROL	F/L2793	MSN	3/8-38-20571	TUN	0377	Т 3	N/A	N/A	N/A	T30808
2SD005D	SD	GLOBE	CONTROL	F/L2793	MSN	3/8-38-20571	TUN	0377	Т 3	N/A	N/A	N/A	T30B08



PROJECT NUMBER: #391-00
REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

PAGE : 453 OF 477 DATE : 01 SEP 84

T30R08

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		DES: QUA	LIFICATIO	.:QUALIFICAT	ION:	QUAL IF DOCUMENT	ICATION REFERENCE	: REMARKS	: COMP : NUMBER
TEMP DEG F	56	2	950	: ANALYSIS	SEE	REMARKS		:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BBO46 FOR COMPLETE DOCUMENTATION	:T30B08
PRESS PSIG	120	0 :	2000	: ANALYSIS				PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %:	50-10	00 :	100	ANALYSIS					
RADIATION	1E	04 :	1.5E09	ANALYSIS					
HEM SPRAY	N/	Α :	N/A	: N/A					
PE THE MN	CON	т. :	CONT.	: ANALYSIS					
UAL. LIFE	40 Y	RS:	40 YRS.	ANALYSIS					
SUBMERGENCE	N/	Α :	N/A	N/A					:



PROJECT NUMB	10.00	: 4391-0	00	СОМ		EALTH EDISON ENTIFICATION					PAGE DATE	:	454 OF 477 O1 SEP 84
EQUIPMENT NUMBER					MFG.	TYPE/MODEL	BDG COL ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
						90							
1MSO18B	MS	RELIEF	VALVE	F/L2785	WKM	70-19,6IN. 9C	TUN	0405	Т 3	N/A	N/A	N/A	T30B07
1MSO18C	MS	RELIEF	VALVE	F/L2785	WKM	70-19,6IN. 9C	TUN	0405	Т 3	N/A	N/A	N/A	T30B07
1MSO18D	MS	RELIEF	VALVE	F/L2785	WKM	70-19,6IN. 9C	TUN	0405	Т 3	N/A	N/A	N/A	T30B07
2MSO18A	MS	RELIEF	VALVE	F/L2785	WKM	70-19,6IN. 9C	TUN	0405	Т 3	N/A	N/A	N/A	T30B07
2MSO18B	MS	RELIEF	VALVE	F/L2785	WKM	70-19,6IN. 9C	TUN	0405	Т 3	N/A	N/A	N/A	T30507
2MSO18C	MS	RELIEF	VALVE	F/L2785	WKM	70-19,6IN. 9C	TUN	0405	Т 3	N/A	N/A	N/A	T30B07
2MSO18D	MS	RELIEF	VALVE	F/L2785	WKM	70-19,6IN. 9C	TUN	0405	т з	N/A	N/A	N/A	T30B07



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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DATE : 01 SEP 84

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

ARAMETER : PLT DES: Q	JALIFICATION	: QUALIFICATION : METHOD	DOCUMENT	FICATION REFERENCE	: REMARKS	: COMP : NUMBER
EMP DEG F : 600 :	600	: ANALYSIS	:SEE REMARKS		:REFER TO ENVIRONMENTAL QUALIFICATION BINDER	: T30B0
RESS PSIG : 1185 :	1185	: ANALYSIS			:NO. EQ-BBO45 FOR COMPLETE DOCUMENTATION :PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	
EL HUMID %: 100 :	100	: ANALYSIS				
ADIATION : 1EO4 :	1E04	: ANALYSIS			내루는 다른 아이는 나를 내용하다면 살이 먹는데 있다.	
HEM SPRAY : N/A :	N/A	: N/A				
PE TME MN : CONT. :	CONT.	: ANALYSIS				
UAL. LIFE :40 YRS.:	40 YRS.	: ANALYSIS				
UBMERGENCE: N/A :	N/A	N/A			기류 시간 이 시간 이렇게 하는데 그렇게 되었다.	Projection of



EQUIPMENT TYPE OF PURCHASE LOCATION ENVR SCHEMATIC DI NUMBER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGR	AM NO. PANEL NO	O588 COMPUTER CAT. NUMBER
1FW009A FW LIMIT SWITCH F/L2874 NAM EA18011302 SMT 006 SX 0377 T 3 6/20E-1-3316 6/20E- 6/20E-1-4410	)A	A T30D19
1FW009A FW LIMIT SWITCH F/L2874 NAM EA18014302 SMT 006 SX 0377 T 3 6/20E-1-3316 6/20E- 6/20E-1-4410		A T30D19
1FW009A FW LIMIT SWITCH F/L2874 NAM EA18015302 SMT 006 SX 0377 T 3 6/20E-1-3316 6/20E- 6/20E-1-4410		A T30019
1FW009A FW LIMIT SWITCH F/L2874 NAM EA18012302 SMT 006 SX 0377 T 3 6/20E-1-3316 6/20E- 6/20E-1-4410		A T30D19
1FW009B FW LIMIT SWITCH F/L2874 NAM EA18014302 SMT 007 WX 0400 T 3 6/20E-1-3317 6/20E- 6/20E-1-4410		A T30D19
1FW009B FW LIMIT SWITCH F/L2874 NAM EA18011302 SMT 007 WX 0400 T 3 6/20E-1-3317 6/20E- 6/20E-1-4410		A T30019
1FW009B FW LIMIT SWITCH F/L2874 NAM EA18015302 SMT 007 WX 0400 T 3 6/20E-1-3317 6/20E- 6/20E-1-4410		A T30019
1FW009B FW LIMIT SWITCH F/L2874 NAM EA18012302 SMT 007 WX 0400 T 3 6/20E-1-3317 6/20E- 6/20E-1-4410		A T,30D19
1FW009C FW LIMIT SWITCH F/L2874 NAM EA18015302 SMT 006 WX 0400 T 3 6/20E-1-3317 6/20E- 6/20E-1-4410		A T30D19
1FW009C FW LIMIT SWITCH F/L2874 NAM EA18011302 SMT 006 WX 0400 T 3 6/20E-1-3317 6/20E- 6/20E- 6/20E-1-4410		A T30019
1FW009C FW LIMIT SWITCH F/L2874 NAM EA18014302 SMT 006 WX 0400 T 3 6/20E-1-3317 6/20E- 6/20E-1-4410		A T30D19



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 457 OF 477 REVISION IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84 EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER NUMBER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. 1FW009C FW LIMIT SWITCH F/L2874 NAM FA18012302 SMT 006 WX 0400 T 3 6/20E-1-3317 1FW581 A T30D19 6/20E-6/20E-1-4410C 1FW009D FW LIMIT SWITCH F/L2874 NAM EA18011302 SMT 007 SX 0377 T 3 6/20E-1-3316 T30019 1FW594 6/20F-6/20E-1-4410D 1FW009D FW LIMIT SWITCH F/L2874 NAM EA18012302 SMT 007 SX 0377 T 3 6/20E-1-3316 1FW594 T30D19 6/20E-6/20E-1-4410D 1FW009D FW LIMIT SWITCH F/L2874 NAM EA18014302 SMT 007 SX 0377 T 3 6/20E-1-3316 1FW594 T30D19 6/20E-1-4410D 1FW009D FW LIMIT SWITCH F/L2874 NAM EA18015302 SMT 007 SX 0377 T 3 6/20E-1-3316 1FW594 T30D19 6/20E-6/20E-1-4410D 1MS001A MS LIMIT SWITCH F/L2756 NAM EA18031302 AUX 006 SX 0377 T 3 1MS564 T30D19 1MS001A MS LIMIT SWITCH F/L2756 NAM EA18031302 AUX 006 SX 0377 T 3 1MS271 T30D19 1MS001A MS LIMIT SWITCH F/L2756 NAM EA18031302 AUX 006 SX 0377 T 3 T30D19 1MS266 1MS001A MS LIMIT SWITCH F/L2756 NAM EA18032302 AUX 006 SX 0377 T 3 1MS565 T30D19 1MS001A MS LIMIT SWITCH F/L2756 NAM EA18032302 AUX 006 SX 0377 T 3 1MS268 T30D19 1MS001A MS LIMIT SWITCH F/L2756 NAM EA18032302 AUX 006 SX 0377 T 3 1MS267 T30D19



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 458 OF 477 REVISION IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84 EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO. NUMBER SY EQUIPMENT NUMBER 1MS001B MS LIMIT SWITCH F/L2756 NAM EA18031302 AUX 006 ZX 0377 T 3 1MS284 T30D19 1MS001B MS LIMIT SWITCH F/L2756 NAM EA18031302 AUX 006 ZX 0377 T 3 1MS567 T30D19 1MS001B MS LIMIT SWITCH F/L2756 NAM EA18031302 AUX 006 ZX 0377 T 3 1MS279 T30D19 1MS001B MS LIMIT SWITCH F/L2756 NAM EA18032302 AUX 006 ZX 0377 T 3 1MS281 T30D19 1MS001B MS LIMIT SWITCH F/L2756 NAM EA18032302 AUX 006 ZX 0377 T 3 1MS566 T30D19 A 1MS001B MS LIMIT SWITCH F/L2756 NAM EA18032302 AUX 006 ZX 0377 T 3 1MS280 T30019 A 1MS001C MS LIMIT SWITCH F/L2756 NAM EA18031302 AUX 007 ZX 0394 T 3 1MS570 T30D19 1MS001C MS LIMIT SWITCH F/L2756 NAM EA18031302 AUX 007 ZX 0394 T 3 1MS297 T30D19 1MS001C MS LIMIT SWITCH F/L2756 NAM EA18031302 AUX 007 ZX 0394 T 3 1MS292 T30D19 1MS001C MS LIMIT SWITCH F/L2756 NAM EA18032302 AUX 007 ZX 0394 T 3 1MS294 T30D19 1MS001C MS LIMIT SWITCH F/L2756 NAM EA18032302 AUX 007 ZX 0394 T 3 1MS569 T30D19



PROJECT	NUMBER: 43	91-00	COMMO	INWEALTH EDISO	N COMPA	ANY -	BYRON/B	RAIDW ITS 1	00D STATION & 2)	PAGE DATE		459 OF 477 O1 SEP 84
EQUIPMEN NUMBER	SY	TYPE OF EQUIPMENT		FG TYPE/MODEL	BDG	COL R	OW ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	NUMBER
1MS001C		IIT SWITCH		IAM EA18032302						1MS293	Α	T30D19
1MS001D	MS LIN	MIT SWITCH	F/L2756 N	IAM EA18031302	AUX	007 S	X 0377	Т 3		1MS571	A	T30019
1MS001D	MS LIM	IT SWITCH	F/L2756 N	IAM EA18031302	AUX	007 S	X 0377	т з		1MS310	A	T30D19
1MS001D	MS LIN	MIT SWITCH	F/L2756 N	IAM EA18031302	AUX	007 S	X 0377	ТЗ		1MS305	Α	T30D19
1MSOO1D	MS LIM	NIT SWITCH	F/L2756 N	IAM EA18032302	AUX	007 S	X 0377	Т 3		1MS307	A	T30D19
1MS001D	MS LIN	IT SWITCH	F/L2756 N	IAM EA18032302	AUX	007 S	X 0377	Т 3		1MS572	A	T30D19
1MS001D	MS LIM	IT SWITCH	F/L2756 N	IAM EA18032302	AUX	007 S	X 0377	Т 3		1MS306	A	T30D19
1MSO18A	MS LIN	IT SWITCH	F/L2794-1 N	IAM EA18031302	SMT	006 S	x 0408	т з	6/20E-1-13316	1MS579	A	T30D19
1MSO18B	MS LIM	HIT SWITCH	F/L2794-1 N	IAM EA18031312	SMT	006 Z	x 0408	Т 3	6/20E-1-13317	1MS607	A	130019
1MS018C	MS LIM	IIT SWITCH	F/L2794-1 N	IAM EA1803:302	SMT	007 Z	X 0408	Т 3	6/20E-1-13317	1MS625	A	T30019
1MSO18D	MS LIM	IT SWITCH	F/L2794-1 N	IAM EA18031302	SMT	007 S	X 0408	Т 3	6/20E-1-13316	1MS596	A	T30D19



PROJECT NUM REVISION	BER: 4391-00 : 0	COMMONWEALTH EDISON IDENTIFICATION	COMPANY - BYRON/BRAIDWOO DATA SHEET (UNITS 1		PAGE : DATE :	460 OF 477 O† SEP 84
EQUIPMENT NUMBER	TYPE OF SY EQUIPMENT	PURCHASE SPEC.NO. MFG TYPE/MODEL	BDG COL ROW ELEV ZONE	WIRING DIAGRAM NO. P	ANEL NO CAT.	COMPUTER NUMBER
1MS101A	MS LIMIT SWITCH	F/L2793 NAM EA18012302			MS323 A	T30D19
1MS101B	MS LIMIT SWITCH	F/L2793 NAM EA18012302		6/20E-1-3317 1 6/20E- 6/20E-1-4382E	MS328 A	T30D19
1MS101C	MS LIMIT SWITCH	F/L2793 NAM EA18012302		6/20E-1-3317 1 6/20E- 6/20E-1-4382E	MS333 A	T30D19
1MS101C	MS LIMIT SWITCH	F/L2793 NAM EA18011302		6/20E-1-3317 1 6/20E- 6/20E-1-4382E	MS334 A	T30019
1MS101D	MS LIMIT SWITCH	F/L2793 NAM EA18012302		6/20E-1-3316 1 6/20E- 6/20E-1-4382E	MS338 A	T30D19
1MS 10 1D	MS LIMIT SWITCH	F/L2793 NAM EA18011302		6/20E-1-3316 1 6/20E- 6/20E-1-4382E	MS339 A	T30D19
1SD002A	SD LIMIT SWITCH	F/L2793 NAM EA18011302		6/20E-1-3316 1 6/20E- 6/20E-1-4833E	SDO14 A	T30019
1SD002A	SD LIMIT SWITCH	F/L2793 NAM EA18012302		6/20E-1-3316 1 6/20E- 6/20E-1-4833E	SDO16 A	T30019
1SD002B	SD LIMIT SWITCH	F/L2793 NAM EA18011302		6/20E-1-3316 1 6/20E- 6/20E-1-4833E	SDO18 A	T30D19
1SD032B	SD LIMIT SWITCH	F/L2793 NAM EA18012302		6/20E-1-3316 1 6/20E- 6/20E-1-4833E	SDO20 A	T30D19
1SD002C	SD LIMIT SWITCH	F/L2793 NAM EA18011302		6/20E-1-3316 1 6/20E- 6/20E-1-4833E	SD030 A	T30D19



SD LIMIT SWITCH F/L2793 NAM EA18013302 SMT OOG SX 0377 T3 6/20E 1-3316 150034 A T3 0 LIMIT SWITCH F/L2793 NAM EA18013302 SMT OOG SX 0377 T3 6/20E 1-3316 150034 A T3 0 LIMIT SWITCH F/L2793 NAM EA18013302 SMT OOG SX 0377 T3 6/20E 1-3316 150034 A T3 0 LIMIT SWITCH F/L2793 NAM EA18013302 SMT OOG SX 0377 T3 6/20E 1-3316 150036 A T3 0 LIMIT SWITCH F/L2793 NAM EA18013302 SMT OOG SX 0377 T3 6/20E 1-3316 150036 A T3 0 LIMIT SWITCH F/L2793 NAM EA18013302 SMT OOG SX 0380 T3 6/20E 1-3316 150035 A T3 0 LIMIT SWITCH F/L2793 NAM EA18013302 SMT OOG SX 0380 T3 6/20E 1-3317 150051 A T3 0 LIMIT SWITCH F/L2793 NAM EA18013302 SMT OOG SX 0380 T3 6/20E 1-3317 150059 A T3 0 LIMIT SWITCH F/L2793 NAM EA18013302 SMT OOG SX 0380 T3 6/20E 1-3317 150059 A T3 0 LIMIT SWITCH F/L2793 NAM EA18013302 SMT OOG SX 0380 T3 6/20E 1-4833C 6/20E 1-4833C 8/20E 1-4833C 8/20	REVISION : 0	"	0			IDE	IDENTIF CATION	DATA	SHEET	(UNITS	SHEET (UNITS 1 & 2)	DATE		01 SEP 84
SD LIMIT SWITCH F/L2793 NAM EA18011302 SMT 006 SX 0377 T 3 6/20E-1-3316 150034 A 6/20E-1-3316 150036 A 6/20E-1-3317 150051 A 6/20E-1-3317 150051 A 6/20E-1-3317 150051 A 6/20E-1-3317 150051 A 6/20E-1-3317 150053 A 6/20E-1-3317 150051 A 6/20E-1-33317 150051 A 6/	EQUIPMENT NUMBER	× 8 8 8	ECTAIT	DUIPMENT	M . u		TYPE/MODEL		COL ROW			10 43	0588 CAT.	COMPUTER NUMBER
SD LIMIT SWITCH F/L2793 NAM EA18011302 SMT OOG SX 0377 T 3 6/20E-1-3316 15D036 A 6/20E-1-4832E 6/20E-1-4832E 6/20E-1-3317 T 3 6/20E-1-3316 15D036 A 6/20E-1-3317 T 3 6/20E-1-3317 T 5 6/20E-1-331											6/20E- 6/20E-1	***************************************		
SD LIMIT SWITCH F/L2793 NAM EA1801302 SMT OOG ZX 0380 T 3 6/20E-1-4833E 150036 A 6/20E-1-4833E 5D LIMIT SWITCH F/L2793 NAM EA1801302 SMT OOG ZX 0380 T 3 6/20E-1-4833C 150053 A 6/20E-1-4833C SD LIMIT SWITCH F/L2793 NAM EA1801302 SMT OOG ZX 0380 T 3 6/20E-1-3317 150055 A 6/20E-1-3317 150057 A 6/20E-1-3330	DOO2D	So	LIMI	SWITCH		NAM	EA18011302	SMT		-	6/20E-1 6/20E- 6/20E-1	15D034	4	130019
SD LIMIT SWITCH F/L2793 NAM EA18011302 SMT OOG ZX 0380 T 3 6/20E-1-3317 15D051 A 6/20E 1-4833C  SD LIMIT SWITCH F/L2793 NAM EA18011302 SMT OOG ZX 0380 T 3 6/20E-1-3317 15D055 A 6/20E 1-4833C  SD LIMIT SWITCH F/L2793 NAM EA18011302 SMT OOG ZX 0380 T 3 6/20E 1-3317 15D055 A 6/20E 1-3317 15D057 A 6/20E 1-3317 15D059 A 6/20E 1-3317 15D057 A 6/20E 1-3317 15D059 A 6/20E 1-3317 15D059 A 6/20E 1-3317 15D059 A 6/20E 1-3317 15D071 A 6/20E 1-3317 15D071 A 6/20E 1-3317 15D073 A 6/20E 1-3317	1500020	SD	LIMI	SWITCH	F/L2793	MAM	EA18012302	SMT		b	6/20E-1- 6/20E- 6/20E-1-	150036	4	T30D 19
SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT 006 ZX 0380 T 3 6/20E-1-4833C  SD LIMIT SWITCH F/L2793 NAM EA18013025 SMT 006 ZX 0380 T 3 6/20E-1-4833C  SD LIMIT SWITCH F/L2793 NAM EA1801302 SMT 006 ZX 0380 T 3 6/20E-1-4833C  SD LIMIT SWITCH F/L2793 NAM EA1801302 SMT 006 ZX 0380 T 3 6/20E-1-3317 15D067 A  6/20E-1-4833C  SD LIMIT SWITCH F/L2793 NAM EA1801302 SMT 006 ZX 0380 T 3 6/20E-1-3317 15D069 A  6/20E-1-4833D  SD LIMIT SWITCH F/L2793 NAM EA1801302 SMT 006 ZX 0380 T 3 6/20E-1-3317 15D071 A  6/20E-1-4833D  SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT 006 ZX 0380 T 3 6/20E-1-3317 15D071 A  6/20E-1-4833D  SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT 006 ZX 0380 T 3 6/20E-1-3317 15D071 A  6/20E-1-4833D  SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT 006 ZX 0380 T 3 6/20E-1-3317 15D073 A  6/20E-1-4833D	15D002E	S	LIMI	SWITCH	F/L2793	NAM	EA18011302		XZ 900	+	6/20E-1 6/20E- 6/20E-1	150051	4	130019
F/L2793 NAM EA18011302 SMT OO6 ZX 0380 T 3 6/20E-1-3317 15D055 A 6/20E-1-4833C F/L2793 NAM EA18011302 SMT OO6 ZX 0380 T 3 6/20E-1-3317 15D057 A 6/20E-1-4833C F/L2793 NAM EA18011302 SMT OO6 ZX 0380 T 3 6/20E-1-4833D F/L2793 NAM EA18011302 SMT OO6 ZX 0380 T 3 6/20E-1-4833D F/L2793 NAM EA18011302 SMT OO6 ZX 0380 T 3 6/20E-1-4833D F/L2793 NAM EA18012302 SMT OO6 ZX 0380 T 3 6/20E-1-4833D F/L2793 NAM EA18012302 SMT OO6 ZX 0380 T 3 6/20E-1-4833D F/L2793 NAM EA18012302 SMT OO6 ZX 0380 T 3 6/20E-1-4833D	1500026	So	LIMI	r switch	F/L2793	MASS	E4 18012302		XZ 900	-	6/20E-1- 6/20E- 6/20E-1-	150053	4	130019
SD LIMIT SWITCH F/L2793 NAM EA18011302 SMT COS ZX 0380 T 3 6/20E-1-3317 15D057 A  SD LIMIT SWITCH F/L2793 NAM EA18011302 SMT COS ZX 0380 T 3 6/20E-1-3317 15D067 A  SD LIMIT SWITCH F/L2793 NAM EA18011302 SMT COS ZX 0380 T 3 6/20E-1-3317 15D069 A  SD LIMIT SWITCH F/L2793 NAM EA18011302 SMT COS ZX 0380 T 3 6/20E-1-3317 15D071 A  SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT COS ZX 0380 T 3 6/20E-1-3317 15D073 A  SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT COS ZX 0380 T 3 6/20E-1-3317 15D073 A  SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT COS ZX 0380 T 3 6/20E-1-3317 15D073 A  SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT COS ZX 0380 T 3 6/20E-1-3317 15D073 A  SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT COS ZX 0380 T 3 6/20E-1-3317 15D073 A  SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT COS ZX 0380 T 3 6/20E-1-3317 15D073 A  SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT COS ZX 0380 T 3 6/20E-1-3317 15D073 A  SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT COS ZX 0380 T 3 6/20E-1-3317 15D073 A  SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT COS ZX 0380 T 3 6/20E-1-3317 15D073 A  SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT COS ZX 0380 T 3 6/20E-1-3317 15D073 A  SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT COS ZX 0380 T 3 6/20E-1-3317 15D073 A  SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT COS ZX 0380 T 3 6/20E-1-3317 15D073 A  SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT COS ZX 0380 T 3 6/20E-1-3317 15D073 A  SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT COS ZX 0380 T 3 6/20E-1-3317 15D073 A  SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT COS ZX 0380 T 3 6/20E-1-3317 15D073 A  SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT COS ZX 0380 T 3 6/20E-1-3317 15D073 A  SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT COS ZX 0380 T 3 6/20E-1-33317 15D073 A  SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT COS ZX 0380 T 3 6/20E-1-33317 15D073 A  SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT COS ZX 0380 T 3 6/20E-1-38330 ZX 0380	DOOZF	S	LIMI	r SWITCH	F/L2793	NAM	EA18011302	SMT	xz 900	-	6/20E-1- 6/20E- 6/20E-1-	150055	4	T30019
SD LIMIT SWITCH F/L2793 NAM EA18011302 SMT COG ZX 0380 T 3 6/20E-1-3317 15D067 A  SD LIMIT SWITCH F/L2793 NAM EA18011302 SMT COG ZX 0380 T 3 6/20E-1-3317 15D069 A  SD LIMIT SWITCH F/L2793 NAM EA18011302 SMT COG ZX 0380 T 3 6/20E-1-4833D  SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT COG ZX 0380 T 3 6/20E-1-4833D  SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT COG ZX 0380 T 3 6/20E-1-4833D  SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT COG ZX 0380 T 3 6/20E-1-3317 15D073 A  6/20E-1-3317 15D073 A  6/20E-1-4833D	DOOGF	So	LIMI	I SWITCH	F/L2793	NAM	En 15012302	SMT	XZ 900		6/20E-1- 6/20E- 6/30E-1-	150057	4	130019
SD LIMIT SMITCH F/L2793 NAM EA18011302 SMT 006 ZX 0380 T 3 6/20E-1-3317 15D069 A  SD LIMIT SWITCH F/L2793 NAM EA18011302 SMT 006 ZX 0380 T 3 6/20E-1-3317 15D071 A  SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT 006 ZX 0380 T 3 6/20E-1-4833D  SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT 006 ZX 0380 T 3 6/20E-1-3317 15D073 A  SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT 006 ZX 0380 T 3 6/20E-1-4833D  SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT 006 ZX 0380 T 3 6/20E-1-4833D	D0002G	SD	LIMI	SWITCH	F/L2793	NAM	EA18011302	SMT		-	6/20E-1 6/20E- 6/20E-1	150067	*1	130019
SD LIMIT SWITCH F/L2793 NAM EA18011302 SMT 006'ZX 0380 T 3 6/20E-1-3317 15D071 A 6/20E- 6/20E-1-4833D SD LIMIT SMITCH F/L2793 NAM EA18012302 SMT 006 ZX 0380 T 3 6/20E-1-3317 15D073 A 6/20E- 6/20E-1-4833D	000026	S	LIMI	I SWITCH	F/L2793	NAM	EA18012302			-	6/20E-1- 6/20E- 6/20E-1-	150069	4	130019
SD LIMIT SWITCH F/L2793 NAM EA18012302 SMT 006 ZX 0380 T 3 6/20E-1-3317 15D073 A 6/20E- 6/20E-1-4833D	роозн	So	LIMI	I SWITCH	F/L2793	MAM	EA18011302		XZ .900	-	6/20E-1- 6/20E- 6/20E-1-	150071	4	130019
	роосн	SO	LIMI	r SWITCH	F/L2793	NAM	EA18012302	SMT	XZ 900		6/20E-1 6/20E- 6/20E-1	150073	4	130019



PROJECT NUM REVISION	BER	: 4391	-00	СОМ		EALTH EDISON ENTIFICATION				201000000000000000000000000000000000000		OOD STATION	PAGE DATE	:	462 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	EQ	YPE OF UIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BOG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
1SD005A		*	SWITCH	F/L2793	*	EA18011302						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	Т 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	Т 3	6/20E-1-3316 6/20E- 6/20E-1-4833E	1SD026	A	T30D19
1SD005B	SD	LIMIT	SWITCH	F/L2793	NAM	EA18012302	SMT	006	SX	0377	Т 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	Т 3	6/20E-1-3317 6/20E- 6/20E-1-4833C	1SD059	A	T30019
1SD005C	SD	LIMIT	SWITCH	F/L2793	NAM	EA18012302	SMT	006	ZX	0383	Т 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	Т 3	6/20E-1-3317 6/20E- 6/20E-1-4833D	1SD063	A	130019
1SD005D	SD	LIMIT	SWITCH	F/L2793	NAM	EA18012302	SMT	006	ZX	0383	Т 3	6/20E-1-3317 6/20E- 6/20E-1-4833D	1SD065	A	T30D19
2FW009A	FW	LIMIT	SWITCH	F/L2874	NAM	EA:8011302	SMT	030	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4410A	2FW571	A	T30D19
2FWOO9A	FW	LIMIT	SWITCH	F/L2874	NAM	EA18012302	SMT	030	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4410A	2FW571	Α	T30D19
2FW009A	FW	LIMIT	SWITCH	F/L2874	NAM	EA18014302	SMT	030	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4410A	2FW571	A	T30019



PROJECT NUM REVISION	BER	: 4391	-00	COM		EALTH EDISON ENTIFICATION						OOD STATION 8 2)	PAGE DATE		463 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY		YPE OF UIPMENT	PURCHASE SPEC.NO.		TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	CAT.	COMPUTER NUMBER
2FW009A	FW	LIMIT	SWITCH	F/L2874	NAM	EA18015302						6/20E-2-3316 6/20E- 6/20E-2-4410A	2FW571	Α	T30D19
2FW009B	FW	LIMIT	SWITCH	F/L2874	NAM	EA18011302	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-44108	2FW573	Δ	T30019
2FW009B	FW	LIMIT	SWITCH	F/L2874	NAM	EA18012302	SMT	029	ZX	0377	7 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	Т 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	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4410B	2FW573	A	T30D19
2FW0C9C	FW	LIMIT	SWITCH	F/L2874	NAM	EA18011302	SMT	029	ZX	0377	Т 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	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4410C	2FW581	A	T30019
2FW009C	FW	LIMIT	SWITCH	F/L2874	NAM	EA18014302	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4410C	2FW581	A	130D19
2FW009C	FW	LIMIT	SWITCH	F/L2874	NAM	EA18015302	SMT	029	zx	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4410C	2FW581	Α	T30D19
2FW009D	FW	LIMIT	SWITCH	F/L2874	NAM	EA18011302	SMT	029	sx	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4410D	2F <b>W</b> 595	Α	T30D19
2FW009D	FW	LIMIT	SWITCH	F/L2874	NAM	EA 18012302	SMT	029	sx	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4410D	2FW595	A	T30019



PROJECT NUM REVISION	BER	4391	-00	СОМІ		EALTH EDISON ENTIFICATION						VOOD STATION	PAGE DATE	:	464 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY		YPE OF UIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL						SCHEMATIC DIAGRAM/	The state of the s	0588 CAT.	COMPUTER NUMBER
2FWOC9D	FW	LIMIT	SWITCH	F/L2374	NAM	EA18014302	SMT	029	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4410D	2FW595	Α	T30D19
2FWOO9D	FW	LIMIT	SWITCH	F/L2874	NAM	EA18015302	SMT	029	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4410D	2FW595	A	T30D19
2MSO18A	MS	LIMIT	SWITCH	F/L2794-1	NAM	EA18032302	SMT	006	sx	0408	Т 3	6/20E-1-13316	1MS578	A	T30D19
2MSO18B	MS	LIMIT	SWITCH	F/L2794-1	NAM	EA18032302	SMT	006	ZX	0408	Т 3	6/20E-1-13317	1MS608	Α	T30D19
2MSO18C	MS	LIMIT	SWITCH	F/L2794-1	NAM	EA18032302	SMT	007	zx	0408	Т 3	6/20E-1-13317	1MS624	A	T30D19
2MSO18D	MS	LIMIT	SWITCH	F/L2794-1	NAM	EA18032302	SMT	007	sx	0408	Т 3	6/20E-1-13316	1MS595	A	T30D19
2MS 101A	MS	LIMIT	SWITCH	F/L2793	NAM	EA18011302	SMT	006	sx	0377	Т 3	6/20E-1-3316 6/20E- 6/20E-1-4382E	1MS324	A	T30019
2MS 101A	MS	LIMIT	SWITCH	F/L2793	NAM	EA18011302	SMT	030	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4382C	2MS322	Α	130019
2MS 101A	MS	LIMIT	SWITCH	F/L2793	NAM	EA18012302	SMT	030	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4382C	2MS322	Α	T30D19
2MS 101B	MS	LIMIT	SWITCH	F/L2793	NAM	EA18011302	SMT	030	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4382C	2MS327	٨	T30D19
2MS 101B	MS	LIMIT	SWITCH	F/L2793	NAM	EA18012302	SMT	030	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4382C	2MS327	Α	T30019



PROJECT NUM REVISION	MBER	: 4391 : 0	-00	COM		EALTH EDISON ENTIFICATION						OOD STATION 8 2)	PAGE DATE	:	465 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY		YPE OF UIPMENT	PURCHASE SPEC.NO.		TYPE/MODEL		COL	ROW		ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
2MS 101B	MS	LIMIT	SWITCH	F/L2793	NAM	EA18011302	SMT		*	0377		6/20E-1-3317 6/20E- 6/20E-1-4382E	1MS329	Α	T30D19
2MS101C	MS	LIMIT	SWITCH	F/L2793	NAM	EA18011302	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4382D	2MS332	A	T30D19
2MS 101C	MS	LIMIT	SWITCH	F/L2793	NAM	EA18012302	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4382D	2MS332	A	T30D19
2MS 101D	MS	LIMIT	SWITCH	F/L2793	NAM	EA18011302	SMT	029	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4382D	2MS337	A	730D19
2MS 101D	MS	LIMIT	SWITCH	F/L2793	NAM	EA18012302	SMT	029	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4382D	2MS337	Α	130019
2SD002A	SD	LIMIT	SWITCH	F/L2793	NAM	EA18011302	SMT	030	SX	0377	Т 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	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD005	Δ	T30D19
2SD002B	50	LIMIT	SWITCH	F/L2793	NAM	EA18011302	SMT	030	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD006	Α	T30D19
2SD002B	SD	LIMIT	SWITCH	F/L2793	NAM	EA18012302	SMT	030	SX	0377	Т 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	Т 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	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	250009	Α	T30D19



PROJECT NUM REVISION	BER	: 4391	-00	COM		EALTH EDISON	DAT		- BY			OOD STATION & 2)	PAGE DATE	;	466 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY		YPE OF UIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL	BDG					SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	CABLE NO/ PANEL NO	0588 CAT.	COMPUTER NUMBER
2SD002D	SD	LIMIT	SWITCH	F/L2793	NAM	EA18011302	SMT	029	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD010	A	T30019
2SD002D	SD	LIMIT	SWITCH	F/L2793	NAM	EA18012302	SMT	029	SX	0377	Т 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	Т 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	Т 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	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD044	Α	T30D19
2SD002F	SD	LIMIT	SWITCH	F/L2793	NAM	EA18012302	SMT	029	zx	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD044	Α	T30D19
2SD002G	SD	LIMIT	SWITCH	F/L2793	NAM	EA18011302	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD047	Δ	T30L19
2SD002G	SD	LIMIT	SWITCH	F/L2793	NAM	EA18012302	SMT	029	zx	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD047	Δ	T30D19
2SD002H	SD	LIMIT	SWITCH	F/L2793	NAM	EA18011302	SMT	029	ZX	0377	Т 3	€/20E-2-3317 6/20E- G/20E-2-4833E	2SD048	A	T30D19
2SD002H	SD	LIMIT	SWITCH	F/L2793	NAM	EA18012302	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD048	Α	T30019
2SD005A	SD	LIMIT	SWITCH	F/L2793	NAM	EA18011302	SMT	030	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD007	Α	T30D19



PROJECT NUM REVISION	ABER:	0	-00	СОМ		EALTH EDISON ENTIFICATION	DAT		- BYE			OOD STATION 8 2)	PAGE DATE	:	467 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY		YPE OF JIPMENT	PURCHASE SPEC.NO.	MFG	TYPE/MODEL		COL	complete appropriate	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
2SDOO5A	SD L	TIMI	SWITCH	F/L2793	NAM	EA18012302	SMT			0377		6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD007	A	T30D19
2SD005B	SD L	IMIT	SWITCH	F/L2793	NAM	EA18011302	SMT	029	SX	0377	T 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD008	A	T30D19
2SD005B	SD L	IMIT	SWITCH	F/L2793	NAM	EA18012302	SMT	029	SX	0377	Т 3	6/20E-2-3316 6/20E- 6/20E-2-4833E	2SD008	A	T30D19
2SD005C	SD L	IMIT	SWITCH	F/L2793	NAM	EA18011302	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD045	A	T30D19
2SD005C	SD L	IMIT	SWITCH	F/L2793	NAM	EA18012302	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	250045	A	T30D19
2SD005D	SD L	IMIT	SWITCH	F/L2793	NAM	EA18011302	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD046	Α	T30D19
2SD005D	SD L	IMIT	SWITCH	F/L2793	NAM	EA18012302	SMT	029	zx	0377	Т 3	6/20E-2-3317 6/20E- 6/20E-2-4833E	2SD046	A	T30019



REVISION : 0

PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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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

ARAMETER :PLT DES:QUALIFICATION	: QUALIFICATION	N: QUALIFICATION : DOCUMENT REFERENCE	REMARKS	: COMP
		.:		=:=====
EMP DEG F : 325 : 340	: TYPE TEST	:NAMCO CONTROL'S REPORT :QTR-105, REV. 1	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BB015 FOR COMPLETE DOCUMENTATION	: T30D19
RESS PSIG : 28 : 80	: TYPE TEST	:DATED 08/28/80.	:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	1
EL HUMID %: 100 : 100	TUDE TEET			
L HUMID %: 100 : 100	: TYPE TEST			4
DIATION : 1E04 : 2.04E08	TYPE TEST			
IEM SPRAY : N/A : 0.15GPM/SQ.FT				
E TME MN : CONT. : CONT.	TYPE TEST			
141 1 TEE 40 VDC . 40 0 VDC.	TURE TEST			3.3
IAL. LIFE :40 YRS : 40.0 YRS*	: TYPE TEST		:*40 YRS. QUAL. BASED ON PERFORMING LUBRICATIO :EVERY 4.5 YRS. & CIPLACEMENT OF ELASTOMERIC	N:
JBMERGENCE: N/A : N/A	: N/A		:PARTS. REPLAC. 'ATERVAL FOR ELAS. COMP. IS	



PROJECT NUM REVISION		: 4391-00 : 0	COM		EALTH EDISON ENTIFICATION				200000000000000000000000000000000000000			PAGE DATE	:	469 OF 477 O1 SEP 84
EQUIPMENT NUMBER	SY	TYPE OF EQUIPMENT		MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
IPT -514	FW	PRESSURE TRANSMITTER	F/L2702	The contract of	763							1MSO98	Α	T30E43
IPT -515	FW	PRESSURE TRANSMITTER	F/L2702	BRN	763	SMT	006	QX	0377	Т 3	6/20E-1-3316 C 6/20E-1-4030 MS05 6/20E-1-4109J	1MS115	Α	T30E43
IPT -516	FW	PRESSURE TRANSMITTER	F/L2702	BRN	763	SMT	006	QX	0377	Т 3	6/20E-1-3316 6/20E-1-4031 MS10 6/20E-1-4108E	1MS127 1PL79JB	Α	T30E43
IPT -524	FW	PRESSURE TRANSMITTER	F/L2702	BRN	763	SMT	006	ZX	0377	Т 3	6/20E-1-3317 C 6/20E-1-4030 MS02 6/20E-1-41C9M	1MS 102	Α	T30E43
IPT -525	FW	PRESSURE TRANSMITTER	F/L2702	BRN	763	SMT	006	ZX	0377	Т 3	6/20E-1-3317 C 6/20E-1-4030 MS06 6/20E-1-4108B	1MS 118 1PL77JC	A	T30E43
IPT -526	FW	PRESSURE TRANSMITTER	F/L2702	BRN	763	SMT	006	ZX	0377	Т 3	6/20E-1-3317 6/20E-1-4031 MS09 6/20E-1-4109J	1MS 125	Α	T30E43
IPT -534	FW	PRESSURE TRANSMITTER	F/L2702	BRN	763	SMT	007	ZX	0377	Т 3	6/20E-1-3317 C 6/20E-1-4030 MS04 6/20E-1-4190M	1MS 106	A	T30E43
IPT -535	FW	PRESSURE TRANSMITTER	F/L2702	BRN	763	SMT	007	ZX	0377	Т 3	6/20E-1-3317 C 6/20E-1-4030 MS07 6/20E-1-4108B	1MS 12 1 1PL 77 JC	Α	T30E43
1PT -536	FW	PRESSURE TRANSMITTER	F/L2702	BRN	763	SMT	007	ZX	0377	Т 3	6/20E-1-3317 6/20E-1-4031 MS09 6/20E-1-4109J	1MS126	Α	T30E43
IPT -544	FW	PRESSURE TRANSMITTER	F/L2702	BRN	763	SMT	007	QX	0377	Т 3	6/20E-1-3316 C 6/20E-1-4030 MS04 6/20E-1-4109J	1MS110	A	T30E43
1PT -545	FW	PRESSURE TRANSMITTER	F/L2702	BRN	763	SMT	007	QX	0377	Т 3	6/20E-1-3316 C 6/20E-1-4030 MS08 6/20E-1-4109J	1MS 124	Α	T30E43



	VISION	BER	: 4391-00 : 0	СОМ		EALTH EDISON ENTIFICATION							PAGE DATE	:	470 OF 477 O1 SEP 84
	UIPMENT UMBER	SY	TYPE OF EQUIPMENT	PURCHASE SPEC.NO.		TYPE/MODEL	EDG	COL	ROW	ELEV	ZON	R SCHEMATIC DIAGRAM/ E WIRING DIAGRAM NO.	PANEL NO	0588 CAT.	COMPUTER NUMBER
1PT	-546	FW	PRESSURE TRANSMITTER	F/L2702	BRN	763	*				*	6/20E-1-3316 6/20E-1-4031 MS10 6/20E-1-4108E	1MS 128	A	T30E43
2PT	-514	FW	PRESSURE TRANSMITTER	F/L2702	BRN	763	SMT	029	SX	0377	Т 3	6/20E-2-3316 C 6/20E-2-4030 MS02 6/20E-2-4109J	2MSO98	A	T30E43
2PT	-515	FW	PRESSURE TRANSMITTER	F/L2702	BRN	763	SMT	029	SX	0377	Т 3	6/20E-2-3316 C 6/20E-2-4030 MS05 6/20E-2-4109J	2M3115	Α	T30E43
2PT	-516	MS	PRESSURE TRANSMITTER	L2702	BRN	763	SMT	030	SX	0377	Т 3	6/20E-2-3316 6/20E-2-4031 MS10 6/20E-2-4108E	2MS127 2PL79JB	A	T30E43
2PT	-524	FW	PRESSURE TRANSMITTER	F/L2702	BRN	763	SMT	029	ZX	0377	Т 3	6/20E-2-3317 C 6/20E-2-4030 MS02 6/20E-2-4109M	2MS 102	Α	T30E43
2PT	-525	FW	PRESSURE TRANSMITTER	F/L2702	BRN	763	SMT	029	ZX	0377	Т 3	6/20E-2-3317 C 6/20E-2-4C30 MS06 6/20E-2-4108B	2MS118 2PL77JC	A	T30E43
2PT	-526	MS	PRESSURE TRANSMITTER	F/L2702	BRN	763	SMT	029	ZX	0377	Т 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	Т 3	6/20E-2-3317 C 6/20E-2-4030 MS04 6/20E-2-4190M	2MS 106	Α	T30E43
2PT	-535	FW	PRESSURE TRANSMITTER	F/L2702	BRN	763	SMT	029	zx	0377	Т 3		2MS121 2PL77JC	Α	T30E43
2PT	-536	MS	PRESSURE TRANSMITTER	F/L2702	BRN	763	SMT	029	ZX	0377	Т 3	6/20E-2-3317 6/20E-2-4031 MS09 6/20E-2-4109J	2MS126	Α	T30E43
2PT	-544	FW	PRESSURE TRANSMITTER	F/L2702	BRN	763	SMT	029	SX	0377	Т 3	6/20E-2-3316 C 6/20E-2-4030 MS04 6/20E-2-4109J	2MS110	Α	T30E43



PROJECT NUM	BER: 4391-00 : 0		VEALTH EDISON DENTIFICATION		- BYR	ON/BRAIDW (UNITS 1	OOD STATION 8 2)	PAGE DATE	:	471 OF 477 O1 SEP 84
EQUIPMENT NUMBER	TYPE OF SY EQUIPMENT		S TYPE/MODEL	BDG CO	L ROW	ELEV ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO.		0588 CAT.	COMPUTER NUMBER
2PT -545	FW PRESSURE TRANSMITTER		763					2MS124	A	T30E43
2PT -546	MS PRESSURE TRANSMITTER	F/L2702 BRI	N 763	SMT 03	80 SX	0377 Т 3	6/20E-2-3316 6/20E-2-4031 MS10 6/20E-2-4108E	2MS128 2PL65J	A	T30E43



PRGJECT NUMBER: 4391-00 REVISION : 0 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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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

PARAMETER :		DES: QU			ICATION HOD		FICATION REFERENCE		: REMARKS	: COMP : NUMBER
TEMP DEG F	325	MAX:	420 MAX	TYPE		:WESTINGHOUSE :TEST REPORT	The state of the s	OM COLONNES AT		:T30E4
PRESS PSIG :	28		57	TYPE	TEST				ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %:	10	00 :	95	TYPE	TEST					
RADIATION :	18	04 :	5E07	TYPE	TEST					
CHEM SPRAY	N/	Α :	N/A		I/A					
PE THE MN :	SHO	RT :	2 WEEKS	TEST/A	NALYSIS				:O-RING'S QUALIFIED FOR 2 YRS.	
QUAL. LIFE :	40 Y	RS.:	5.6 YRS.	TEST/A	NALYSIS					
SUBMERGENCE :	N/	Α :	N/A		I/A					



COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PROJECT NUMBER: 4391-00 PAGE : 473 OF 477 REVISION IDENTIFICATION DATA SHEET (UNITS 1 & 2) : 0 DATE : 01 SEP 84 EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER NUMBER 1PS -MS127 MS PRESSURE SWITCH F/L2756 BSE BIT-A48SS SMT 006 QX 0393 T 3 6/20E-1-3316 T30E44 1PS -MS128 MS PRESSURE SWITCH F/L2756 BSE BIT-A48SS SMT 006 ZX 0393 T 3 6/20E-1-3316 T30E44 1PS -MS129 MS PRESSURE SWITCH F/L2756 BSE BIT-A48SS SMT 007 ZX 0393 T 3 6/20E-1-3317 T30E44 1PS -MS130 MS PRESSURE SWITCH F/L2756 BSE BIT-A48SS SMT 007 QX 0393 T 3 6/20E-1-3317 T30E44 1PS -MS135 A MS PRESSURE SWITCH F/L2756 BSE BIT-A48SS SMT 006 QX 0393 T 3 6/20E-1-3316 T30E44 1PS -MS 136 A MS PRESSURE SWITCH F/L2756 BSE BIT-A48SS SMT 006 ZX 0393 T 3 6/20E-1-3316 130E44 1PS -MS137 A MS PRESSURE SWITCH F/L2756 BSE BIT-A48SS SMT 007 ZX 0393 T 3 6/20E-1-3317 T30E44 1PS -MS138 A MS PRESSURE SWITCH F/L2756 BSE BIT-A48SS SMT 007 QX 0393 T 3 6/20E-1-3317 T30E44 2PS -MS127 MS PRESSURE SWITCH F/L2756 BSE BIT-A485S SMT 030 SX 0393 T 3 6/20E-1-3316 T30E44 SMT 029 ZX 0393 T 3 6/20E-1-3316 2PS -MS128 MS PRESSURE SWITCH F/L2756 BSE BIT-A48SS T30E44 2PS -MS129 MS PRESSURE SWITCH F/L2756 BSE BIT-A48SS SMT 029 ZX 0393 T 3 6/20E-1-3317 T30E44



PRO	JECT NUMI	BER	: 4391-00 : 0		СОМ	MONW	EALTH EDISON ENTIFICATION	DAT					OOD STATION & 2)	PAGE DATE	:	474 OF 477 O1 SEP 84
NU	IPMENT MBER =======	SY .== MS		MENT	SPEC.NO.	MFG	TYPE/MODEL	BDG	COL	ROW	ELEV	ZONE	SCHEMATIC DIAGRAM/ WIRING DIAGRAM NO. 	PANEL NO	0588 CAT.	COMPUTER NUMBER .====================================
2PS -	MS135 A	MS	PRESSURE	SWITCH	F/L2756	BSE	BIT-A48SS	SMT	030	sx	0393	Т 3	6/20E-1-3316		С	T30E44
2PS -	MS136 A	MS	PRESSURE	SWITCH	F/L2756	BSE	BIT-A48SS	SMT	029	zx	0393	Т 3	6/20E-1-3316		С	T30E44
2PS -	MS137 A	MS	PRESSURE	SWITCH	F/L2756	BSE	BIT-A48SS	SMT	029	zx	0393	Т 3	6/20E-1-3317		С	T30E44
2PS -I	MS138 A	MS	PRESSURE	SWITCH	F/L2756	BSE	BIT-A48SS	SMT	029	zx	0393	Т 3	6/20E-1-3317		С	T30E44



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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T30F44

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-A48SS

FOR PLANT DESIGN REFERENCE REFER TO TABLE OF PLANT ENVIRONMENTAL CONDITIONS

	PLT DES:	NT QUALIFICATION	: QUALIF		: QUA		REFERENC	E	: REMARKS	: COMP : NUMBER
TEMP DEG F	325 :	325	TYPE	TEST	: A/DARLING : QR-10.	TEST	REPORT		:REFER TO ENVIRCHMENTAL QUALIFICATION BINDER :NO. EQ-BB024 FOR COMPLETE DOCUMENTATION	: T30E4
PRESS PSIG :	19.7 :	19.7	: TYPE	TEST					:PACKAGE ASSOCIATED WITH THIS EQUIPMENT.	:
REL HUMID %:	100 :	100	TYPE	TEST						
RADIATION	1EO4RAD:	1EO6 RADS	TYPE	TEST						
CHEM SPRAY	N/A :	N/A	: N	/A						
OPE THE MN	INTER- :	INTERMITANT	TYPE	TEST						
QUAL. LIFE			TYPE	TEST						
SUBMERGENCE :	N/A	N/A	. N	/A						1



PROJECT NUMBER: 4391-00 COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION PAGE : 476 OF 477 REVISION : O IDENTIFICATION DATA SHEET (UNITS 1 & 2) DATE : 01 SEP 84 EQUIPMENT TYPE OF PURCHASE --- LOCATION --- ENVR SCHEMATIC DIAGRAM/ CABLE NO/ 0588 COMPUTER NUMBER SY EQUIPMENT SPEC.NO. MFG TYPE/MODEL BDG COL ROW ELEV ZONE WIRING DIAGRAM NO. PANEL NO CAT. NUMBER 1RE -ARO22A AR RADIATION F/L2827 GA RD-10B TUN 385 T 3 T30E6B DETECTOR AR RADIATION 1RE -ARO22B F/L2827 GA RD-10B TUN 385 T 3 T30E6B DETECTOR 1RE -ARO22C AR RADIATION F/L2827 GA RD-10B TUN 385 T 3 A T30E6B DETECTOR 1RE -ARO22D AR RADIATION F/L2827 GA RD-108 TUN 385 T 3 T30E6B DETECTOR 1RE -ARO23A AR RADIATION F/L2827 GA RD-10B TUN 385 T 3 T30E6B DETECTOR 1RE -ARO23B AR RADIATION F/L2827 GA RD-10B TUN 385 T 3 T30E6B DETECTOR 1RE -ARO23C AR RADIATION F/L2827 GA RD-10B TUN 385 T 3 T30E6B DETECTOR 1RE -ARO23D AR RADIATION F/L2827 GA RD-108 TUN 385 T 3 T30E6B DETECTOR 1RE -ARO24A AR RADIATION F/L2827 GA RD-8 TUN 385 T 3 T30E6B DETECTOR 1RE -ARO24B AR RADIATION F/L2827 GA RD-8 TUN 385 T 3 T30E68 DETECTOR



PROJECT NUMBER: 4391-00 REVISION : 0

COMMONWEALTH EDISON COMPANY - BYRON/BRAIDWOOD STATION QUALIFICATION DATA SHEET (UNITS 1 & 2)

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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 :PLT DES:Q	UALIFICATION:	QUALIFICATION METHOD	: QUALIFICATION : DOCUMENT REFERENCE	: REMARKS	: COMP : NUMBER
TEMP DEG F : 325 :		TYPE TEST	:GENERAL ATOMICS REPORT :E-255-996, JULY 1981 &	:REFER TO ENVIRONMENTAL QUALIFICATION BINDER :NO. EQ-BBO6O FOR COMPLETE DOCUMENTATION	:T30E6E
PRESS PSIG : 28 PSI:	28 PSI :		:E-255-1047, OCTOBER 1981.	:ASSOCIATED WITH THIS EQUIPMENT.	
REL HUMID %: 100	100	TYPE TEST			
RADIATION : 1EO4 :	1EO4 :	TYPE TEST			
CHEM SPRAY : N/A	N/A :	N/A			
DPE TME MN : CONT . :	CONT. :	N/A			
QUAL. LIFE :40 YRS.:	40 YRS. :	TYPE TEST			
SUBMERGENCE: N/A :	N/A :	N/A			

