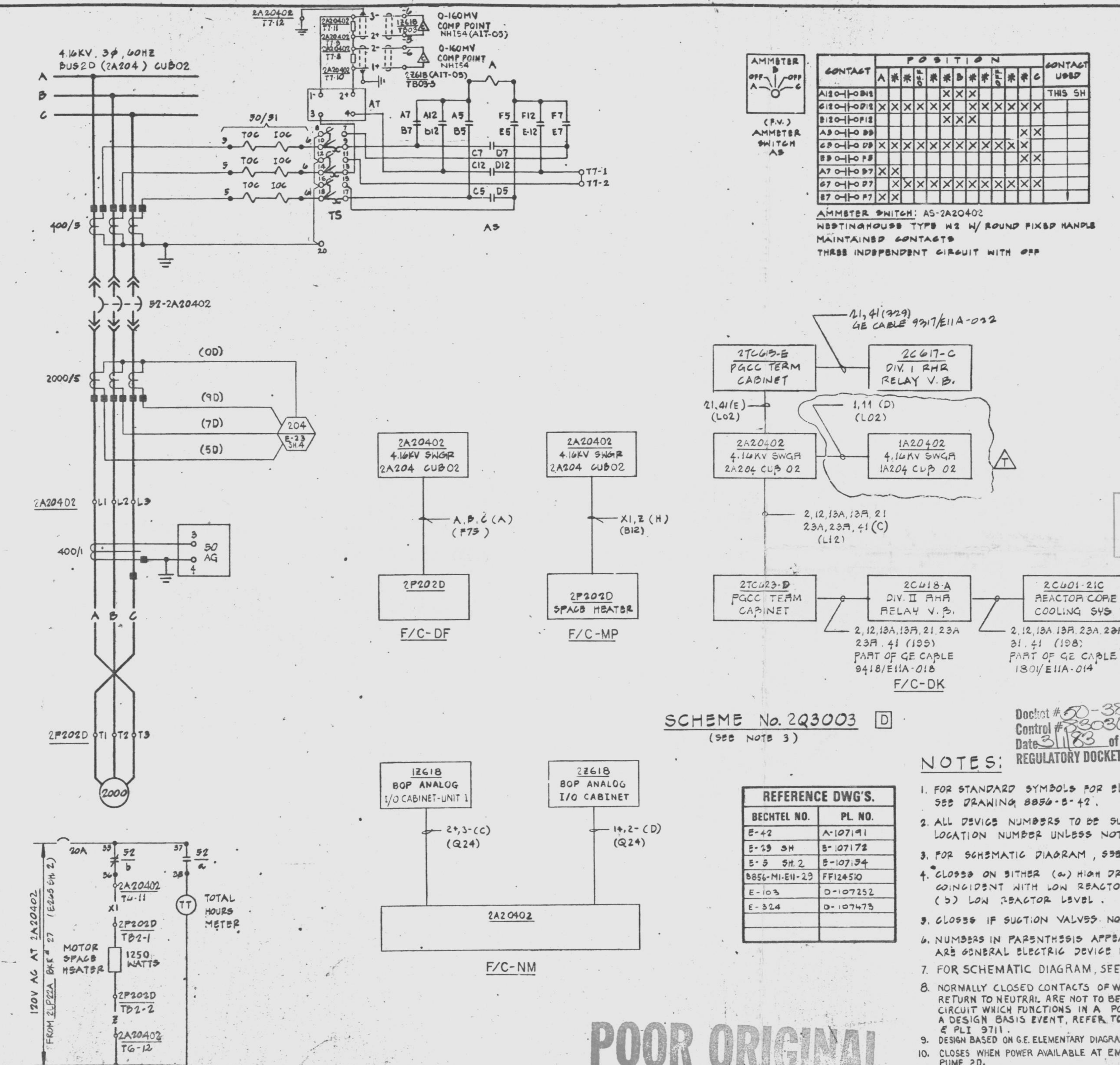

AMMETER B SWITCH (F.V.) AMMETER SWITCH AS

CONTACT	A	*	*	OFF	*	*	B	*	*	OFF	*	*	C	CONTACT USED
A12-B12						X	X	X						THIS SH
C12-D12	X	X	X	X	X	X		X	X	X	X	X	X	
B12-F12						X	X	X						
A5-B5												X	X	
C5-D5	X	X	X	X	X	X	X	X	X	X	X	X		
E5-F5												X	X	
A7-B7	X	X												
C7-D7		X	X	X	X	X	X	X	X	X	X	X	X	
E7-F7	X	X												

AMMETER SWITCH: AS-2A20402
WESTINGHOUSE TYPE W2 W/ ROUND FIXED HANDLE
MAINTAINED CONTACTS
THREE INDEPENDENT CIRCUIT WITH OFF

SEE NOTE 7

BLOCK No.	CONTACT No.		START	AUTO	STOP	DRAWING No.
TOP	1-2	F			X	E-153 SH53
	3-4	B	X			E-153 SH53
BTM	5-6	F			X	8856-MI-E11-29
	7-8	B	X			SPARE

CONTROL SWITCH: HS-25102D
GENERAL ELECTRIC TYPE CR2940
SPRING RETURN TO AUTO

A B R
CIRCUIT BKR CONTROL
TRIP CLOSE
F.V.
CSW-2A20402

	CONTACTS HANDLE END	HANDLE IN T	HANDLE IN NORM	HANDLE IN C		HANDLE OUT T	HANDLE OUT NORM	HANDLE OUT C	DRAWING No.	
ROTARY	A11-B11	X				X			E-153 SH53	
	A12-B12		X				X		SPARE	SEE NOTE 8
	A1-B1			X				X	E-153 SH53	
	A5-B5	X				X			↓	
	A6-B6		X				X		SPARE	SEE NOTE 8
	A7-B7			X				X	E-153 SH53	
LATERAL	C12-C1					X	X	X		
	C2-C3					X	X	X		
	C4-C5					X	X	X		
	C6-C7					X	X	X		
	C8-C9					X	X	X		
	C10-C11					X	X	X		
	D12-D1	X	X	X						
	D2-D3	X	X	X						
	D4-D5	X	X	X						
	D6-D7	X	X	X						
	D8-D9	X	X	X						
	D10-D11	X	X	X					↓	
	E12-E1					X	X	X	E-153 SH53	
	E2-E3					X	X	X	E-153 SH53	
	E4-E5					X	X	X	SPARE	
	E6-E7					X	X	X		
	E8-E9					X	X	X		
	E10-E11					X	X	X	↓	
	F12-F1	X	X	X					E-153 SH53	
	F2-F3	X	X	X						
	F4-F5	X	X	X						
	F6-F7	X	X	X					↓	
	F8-F9	X	X	X					SPARE	
	F10-F11	X	X	X						
	G12-G1					X	X	X		
	G2-G3					X	X	X		
	G4-G5					X	X	X		
	G6-G7					X	X	X		
	G8-G9					X	X	X		
	G10-G11					X	X	X		
	H12-H1	X	X	X						
	H2-H3	X	X	X						
	H4-H5	X	X	X						
	H6-H7	X	X	X						
	H8-H9	X	X	X						
	H10-H11	X	X	X					↓	

CONTROL SWITCH: CSW-2A20402
WESTINGHOUSE TYPE W2 W/PISTOL GRIP HANDLE
SPRING RETURN TO NORMAL
NOTE: LATERAL CONTACT ACTION IS INDEPENDENT OF ROTARY CONTACT ACTION AND MUST BREAK BEFORE MAKE IN BOTH DIRECTIONS.

PRC APERTURE CARD

UNCONTROLLED DOCUMENT FOR REFERENCE ONLY

SCHEME No. 2Q3003 D
(SEE NOTE 3)

03

UNIT 1 AND COMMON PORTIONS OF THIS DRAWING ARE UNDER PP&L ADMINISTRATIVE CONTROL. NO CHANGES CAN BE MADE TO THESE PORTIONS WITHOUT PRIOR PP&L APPROVAL.

Docket # 50-387
Control # 8303090234
Date 3/1/83 of Document:
REGULATORY DOCKET FILE

REFERENCE DWG'S.	
BECHTEL NO.	PL. NO.
E-42	A-107191
E-29 SH	E-107172
E-5 SH.2	E-107154
8856-MI-E11-29	FF124510
E-103	D-107252
E-324	D-107473

NOTES:

1. FOR STANDARD SYMBOLS FOR ELECTRICAL DIAGRAMS SEE DRAWING 8856-E-42.
2. ALL DEVICE NUMBERS TO BE SUFFIXED BY BREAKER LOCATION NUMBER UNLESS NOTED OTHERWISE.
3. FOR SCHEMATIC DIAGRAM, SEE DRAWING E-153 SH.53.
4. CLOSES ON EITHER (a) HIGH DRYWELL PRESSURE COINCIDENT WITH LOW REACTOR PRESSURE, OR (b) LOW REACTOR LEVEL.
5. CLOSES IF SUCTION VALVES NOT OPEN.
6. NUMBERS IN PARENTHESIS APPEARING IN SCHEMATIC DIAGRAM ARE GENERAL ELECTRIC DEVICE NUMBERS
7. FOR SCHEMATIC DIAGRAM, SEE V/P 8856-MI-E11-29(5) & (8).
8. NORMALLY CLOSED CONTACTS OF W-2 SWITCHES WITH SPRING RETURN TO NEUTRAL ARE NOT TO BE USED IN A SAFETY-RELATED CIRCUIT WHICH FUNCTIONS IN A POSITIVE MANNER TO MITIGATE A DESIGN BASIS EVENT, REFER TO NRC IE BULLETIN 80-20 & PLI 9711.
9. DESIGN BASED ON G.E. ELEMENTARY DIAGRAM DWG. 791E418AE (VP8856-MI-E11-29(20)).
10. CLOSES WHEN POWER AVAILABLE AT EMERGENCY DIESEL BUS FOR RHR PUMP 2D.

POOR ORIGINAL

62757 SCHEM RHR PUMP 2D N

No.	DATE	REVISIONS	BY	CH'K	DESIGN SUPV	ENG'R	PROJ ENGR	APP'S
5	9/24/81	REVISED AS PER DCP 563 REV C (CFDS MOBL-RO). & REV AS PER DCR 42						
8	1/20/83	REVISED TO INCORP. FCR E-11521	NG					
7	8/2/82	REVISED PER DCR 653		HK				
6	6/30/82	ISSUED "AS BUILT" UNIT 1 ONLY INCORP'D FCR E-7219						
1	4/13/77	ISSUED FOR CONSTRUCTION	MPS	M.T.				
0	3/1/76	ISSUED FOR 4.16KV SWGR FABRICATION ONLY	MY	M.T.				

SCALE NONE | DESIGNED W SECREPANSKI | DRAWN M.H. YOUNG | CHIEF ENGR.

PENNSYLVANIA POWER & LIGHT COMPANY
ALLENTOWN, PENNSYLVANIA
SUSQUEHANNA STEAM ELECTRIC STATION - UNIT 1, UNIT 2

BECHTEL - SAN FRANCISCO

SCHEMATIC DIAGRAM RHR PUMP 2D UNIT 2

JOB No.	DRAWING No.	REV.
8856	E-153 SH.52	8

D-107302 SH52

22 X 34 "D" SIZE

D

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Signed JACINTO Camera Operator Date 1/26/83 Camera Type MRG I