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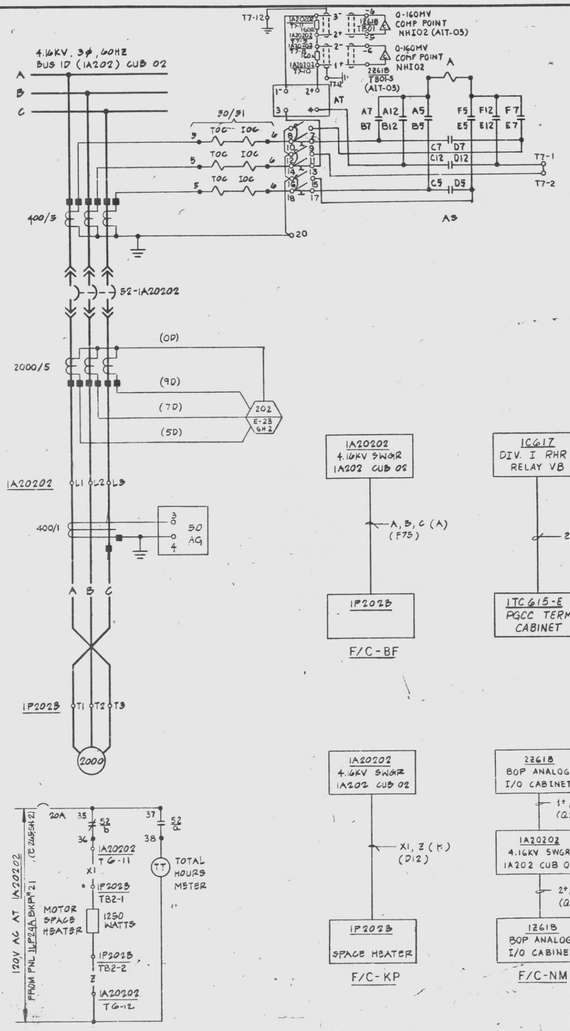


AMMETER SWITCH	POSITION	CONTACT USED
CONTACT	A B C OFF D E F OFF G	
A1 O—O A1	X X X	THIS SW.
A2 O—O A1	X X X X X X X X X X X X	
B1 O—O B1	X X X	
A3 O—O B3	X X	
A4 O—O B4	X X X X X X X X X X	
B3 O—O B3	X X	
A7 O—O B7	X X	
A7 O—O B7	X X X X X X X X X X X X	
B7 O—O B7	X X	

AMMETER SWITCH: AS-1A20203
WESTINGHOUSE, TYPE W2 W/ ROUND PISTOL HANDLE
MAINTAINED CONTACTS
THREE INDEPENDENT CIRCUIT WITH OFF

SEE NOTE 9

RHR PUMP B
STOP AUTO START

1CG01 F.V.

BLOCK No.	CONTACT No.		POSITION START	POSITION AUTO	POSITION STOP	DRAWING No.
T	1 2 / 3 4	F			X	B-153 SH 4
		B	X			B-153 SH 4
B	5 6 / 7 8	F			X	SEE REF. DWG MI-E11-66(8)
		B	X			SPARE

CONTROL SWITCH: HS-15102B1
GENERAL ELECTRIC TYPE CR2940
SPRING RETURN TO AUTO

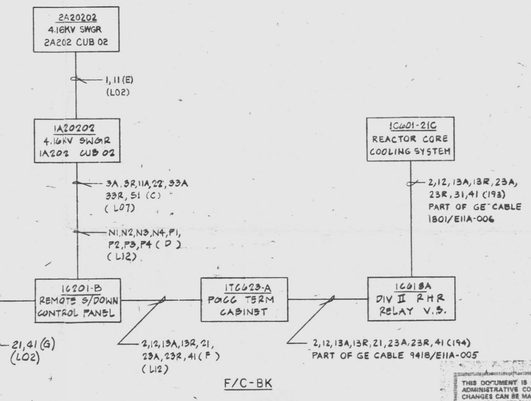
CIRCUIT BKR CONTROL TRIP CLOSE (F.V.)

CSW-1A20202

CONTACTS HANDLE END	POSITION CLOSE	POSITION NORMAL	POSITION TRIP	DRAWING No.
A11 O—O B11			X	B-153 SH 4
A12 O—O B12		X		SPARE *
A1 O—O B1	X			B-153 SH 4
A5 O—O B5			X	SPARE
A9 O—O B9		X		SPARE *
A7 O—O B7	X			SPARE

CONTROL SWITCH: CSW-1A20202
WESTINGHOUSE TYPE W2 W/PISTOL GRIP HANDLE
SPRING RETURN TO NORMAL

* 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 IMC LE Bulletin 80-20 and PLA-971.



SCHEME No. 1Q3001
SEE NOTE 4 [B]

THIS DOCUMENT IS UNDER PP&L ADMINISTRATIVE CONTROL. NO CHANGES CAN BE MADE WITHOUT PRIOR PP&L APPROVAL.

193

Docket # 50-387
Control # 8303090284
Date 3/1/83 of Document:
REGULATORY DOCKET FILE

REFERENCE DWG'S.	
BECHTEL NO.	PP&L NO.
E-48	A-107191
E-53 SH 2	B-107172
E-5 SH 1	B-107154
8856-M1-E11-66	PF124510
E-136	D-107473
E-105	D-107356
VPE-108-12	FE-103090
E-143	D-107275

PRC
APERTURE
CARD

UNCONTROLLED DOCUMENT
FOR REFERENCE ONLY

POOR ORIGINAL

NOTES:

1. ALL DEVICE NUMBERS TO BE SUFFIXED BY BREAKER LOCATION NUMBER UNLESS NOTED OTHERWISE.
2. FOR STANDARD SYMBOLS FOR ELECTRICAL DIAGRAMS, SEE DWG 8856-E-42.
3. FOR SWITCH DEVELOPMENT OF REMOTE SHUTDOWN PANEL (1C601) SEE DWG E-149 SH 2 & 3.
4. FOR SCHEMATIC DIAGRAM, SEE DWG E-153 SH 4.
5. CLOSES ON HIGH DRYWELL PRESSURE AND REACTOR LOW LEVEL AND PRESS.
6. NUMBERS IN PARENTHESIS APPEARING IN SCHEMATIC DIAGRAM ARE GE DEVICE NUMBERS.
7. REFER TO ELEM DWG 8856-M1-E11-66(7)-2 FOR CONTACT OPERATION.
8. DESIGN BASED ON GE ELEMENTARY 791E478WJ. (V/P 8856-M1-E11-66)
9. FOR SCHEMATIC DIAGRAM SEE V/P 8856-M1-E11-66(5)

NO.	DATE	REVISIONS	BY	CHK	DESIGN ENG'R	PROJ ENG'R	APP'S
10	12/5/82	REVISED TO INCORP. FCR #G-10883	KAR	MM	RC		
9	8/11/81	INCORP. IDCN #2 (OCP 811, REV. 2) & IDCN #1 & 2 REV. AS PER DCR 1008	JC	MM	RC		
8	7/6/81	REV. GEO SENSOR RATIO (SERIAL AS (AS BUILT) ADDED COMP AT HA (GE E40)	BJ	MM	RC		
7	7/24/79	REVISED BLOCK DIAGRAM PER PDI-WTGM REV. 0	KJ	MM	RC		
6	7-82	REVISED "AS BUILT" REV'D BUS ID NO (DCR 653)	KJ	MM	RC		
5	3/6/78	ISSUED FOR CONSTRUCTION	KJ	MM	RC		

SCALE NONE | DESIGNED V. SCHEMBRI | DRAWN G. HONG | CHECKED

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

BECHTEL - SAN FRANCISCO

SCHEMATIC DIAGRAM
RHR PUMP 1B
UNIT 1

JOB No.	DRAWING No.	REV.
8856	E-153 SH 3	11

D-107302 SH 3

22 X 34 "D" SIZE

EDWARD R. KANG — REGISTERED PROFESSIONAL ENGINEER — COMMONWEALTH OF PENNSYLVANIA

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