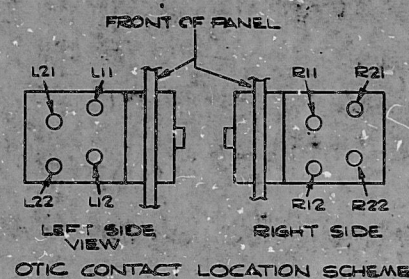
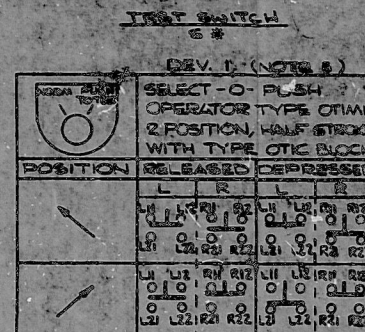


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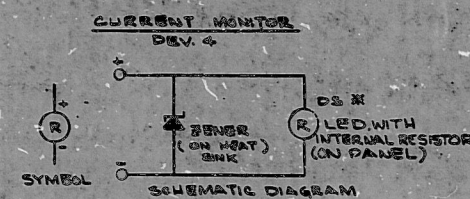
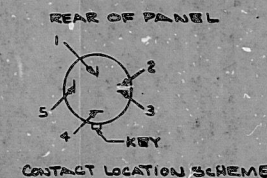
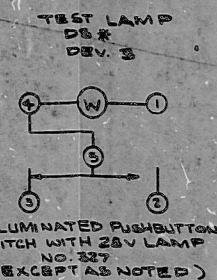


Div. 2

10/25/71

10

CONTACT	POS	12/1
A11-B11	X	
A12-B12	X	
A1-B1	X	
A5-B5	X	
AG-BG	X	
A7-B7	X	
C1-D1	X	
C12-D12	X	
C1-D1	X	
C5-D5	X	
C6-D6	X	
C7-D7	X	
E11-F11	X	
E12-F12	X	
E1-F1	X	
E3-F3	X	
E6-F6	X	
E7-F7	X	



REF DWGS

END _ _ _ _ 271C620
PSC _ _ _ _ 108D811
ASC _ _ _ _ 7247D74
AR _ _ _ _ 1102E45

CIRCUIT CURRENT RATINGS (INDUCTIVE LOAD)

TEST CIRCUIT	120V		240V	
	AC	DC	AC	DC
FIGURE A	6.0A	1.1A	2.5A	0.5A
FIGURE B	3.0A	1.1A	2.5A	0.5A
FIGURE C	6.0A	1.1A	2.3A	0.3A
FIGURE D	6.0A	1.1A	2.5A	0.5A

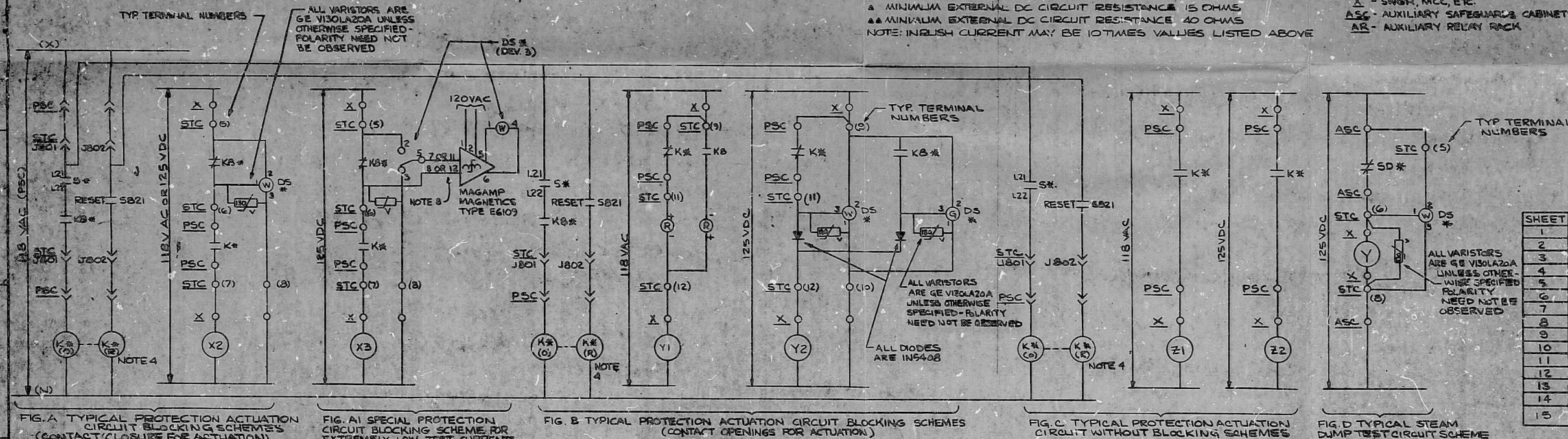
▲ MINIMUM EXTERNAL DC CIRCUIT RESISTANCE 15 OHMS
▲▲ MINIMUM EXTERNAL DC CIRCUIT RESISTANCE 40 OHMS
NOTE: INFLUSH CURRENT MAY BE 10 TIMES VALUES LISTED ABOVE

GENERAL NOTES:

1. CIRCUITRY AND WIRING FOR REDUNDANT PROTECTION TRAINS "A" AND "B" TEST CIRCUITS ARE COPIED, EXCEPT AS NOTED:
A - TRAIN "A" ONLY
B - TRAIN "B" ONLY
2. THE SHEET REPRESENTS THE SUFFIX NUMBERS OF THE DEVICE REFERENCED:
SD4 - ASC RELAY, SD7A1, SD7A2, ETC.
K* - PSC RELAY, M001, M002, ETC.
S* - STC TEST SWITCH, S002, S034, ETC.
M0* - STC RELAY, M011, M017, ETC.
DS* - STC LIGHT, DS003, DS007, ETC.
3. "FIGURE A" AND "B" TYPE CIRCUITS ARE DETAILED ON THE SCHEMATICS (SM4, 5, 6, 8). "FIGURE OF CIRCUITS WILL BE SUBSTITUTED FOR FIGURE "A" CIRCUITS WHERE REQUIRED.
4. THE OUTPUT DELAYS IN THE SOLID STATE PROTECTION SYSTEM THAT ARE LATCH TYPE ARE DESIGNATED BY AN "L" IN THE L COLUMN ON SHEET 2.
5. SWITCHES S001 THRU S040 TO BE EQUIPPED WITH SPRING RETURN FROM RIGHT TO LEFT POSITION WHEN DESIGNATED BY AN "X" IN THE SR COLUMN ON SHEET 2.
6. UNUSED CIRCUIT DEVICES AND WIRING WILL NOT BE FURNISHED, AND BLANK PANEL OPENINGS WILL BE CAPPED.
7. MINIMUM TEST CURRENT IS 25MA ON STANDARD FIGURE A & B TEST CIRCUITS.
8. TERMINALS 7408 PROVIDE TEST CURRENT OF 5ma.
TERMINALS 1102 PROVIDE TEST CURRENT OF 35ma.

LOCATION LEGEND

- PSC - SOLID STATE PROTECTION SYSTEM
- STC - SAFEGUARDS TEST CABINET
- X - SWGR, MCC, ETC.
- ASC - AUXILIARY SAFEGUARDS CABINETS
- AR - AUXILIARY RELAY RACK



SHEET	SUB	
1	1	4
2	1	4
3	1	4
4	1	3
5	1	2
6	1	3
7	1	3
8	1	2
9	1	2
10	1	3
11	1	4
12	1	4
13	1	4
14	1	4
15	1	4

TI
APERTURE
CARD

TYPICAL CIRCUITS
NOTES AND LEGENDS

SPIN	W. DEAN	1-31-72	Westinghouse Electric Corporation
CHAL.			HIGH EMF SYSTEMS, PITTSBURGH, PA., U.S.A.
IND. ENG.	S. SUTTINGER	6-2-72	COMMONWEALTH EDISON CO.
IND. ENG.			BYRON/BRANDWOOD STATION-UNITS 1 & 2
IND. ENG.			SAFEGUARDS TEST CABINE
APP.			NTS
APP.			8756D87
APP.			SHEET 1
DATA. SERV.		13-72	DO NOT SCALE
			200 12 72

PDR

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