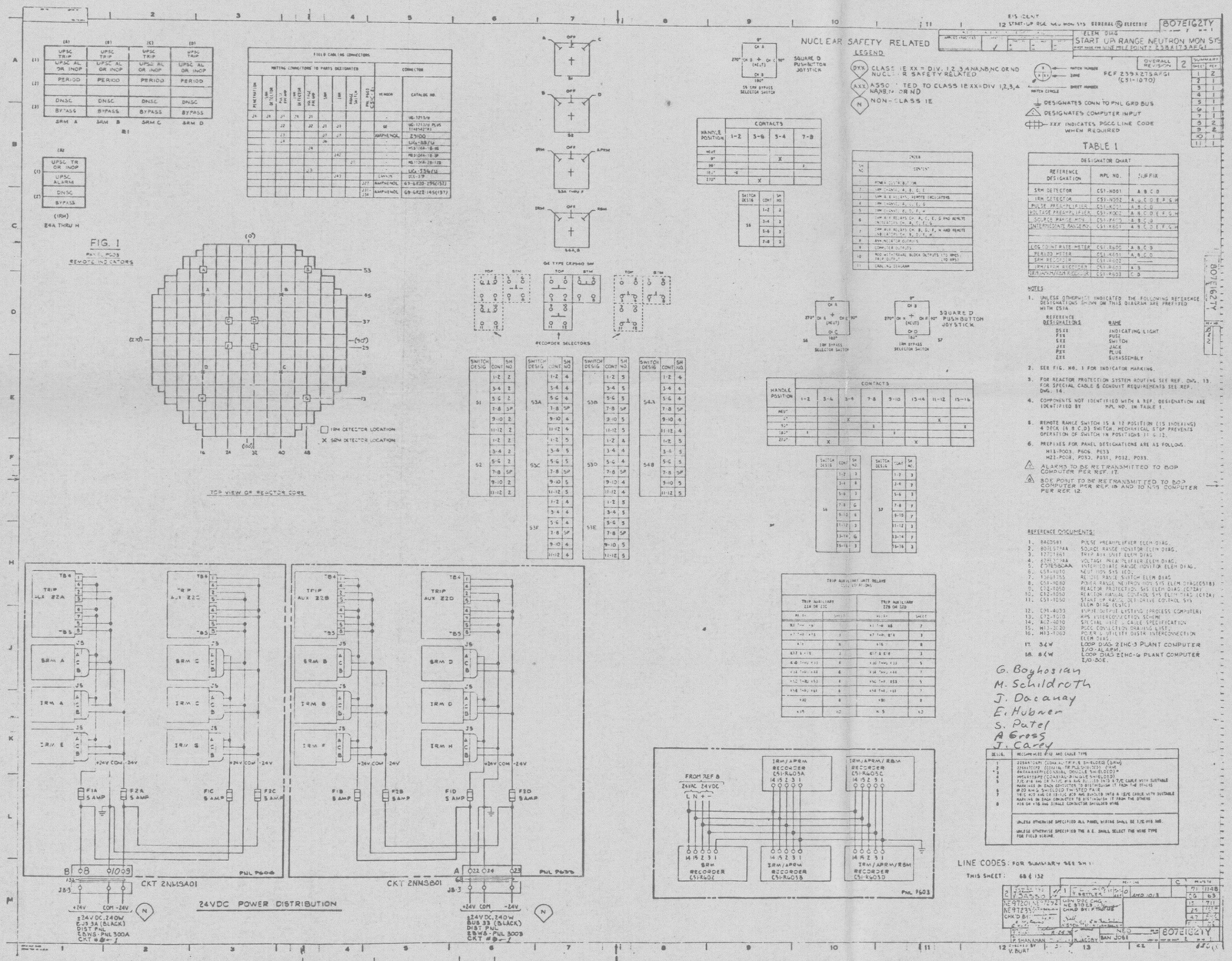

UPSC TRIP OR INOP	UPSC TRIP	UPSC TRIP	UPSC TRIP
UPSC AL OR INOP	UPSC AL OR INOP	UPSC AL OR INOP	UPSC AL OR INOP
PERIOD	PERIOD	PERIOD	PERIOD
DNSC	DNSC	DNSC	DNSC
BYPASS	BYPASS	BYPASS	BYPASS
SRM A	SRM B	SRM C	SRM D

UPSC TR OR INOP	
UPSC ALARM	
DNSC	
BYPASS	

(IRM) E4A THRU H

FIELD CABLING CONNECTIONS											
MATING CONNECTORS TO PARTS DESIGNATED										CONNECTOR	
SPARE POSITION	SRM DETECTOR	SRM DETECTOR PRE-AMP	NEUTRON MONITOR PRE-AMP	VOLTAGE PREAMP	IRM	RANGE SWITCH	SRM			VENDOR	CATALOG NO.
J4	J4	J1	J4	J7	J1	J1				-	166-1213/V
		J2		J8	J2	J2				W	WG-1713/V PLUG 114514781
		J3			J3	J3				AMPHENOL	97500
		J4		J9		J4				-	UG-88/U
			J4							-	MS3106A-18-4S
						J42				-	MS3106A-18-1P
					J1	J1				-	MS3106A-20-17S
			J3							CANNON	UG-1378/U
					J43					CANNON	DC-17P
									J27	AMPHENOL	69-GR2E-19SC(157)
									J54	AMPHENOL	69-GR2E-14SC(157)

CONTACTS				
HANDLE POSITION	1-2	3-4	5-6	7-8
NEXT				
8°			X	
90°				X
172°	X			
270°		X		

SWITCH DESIG	CONT	SW NO
S6	1-2	1
	3-4	1
	5-6	1
	7-8	1

INDEX	
SHT NO	CONTENT
1	POWER DISTRIBUTION
2	SRM CHANNEL A, B, C, D
3	SRM A, B, C, D ALARMS, REMOTE INDICATORS
4	IRM CHANNEL A, C, E, G
5	IRM CHANNEL B, D, F, H
6	SRM AND RELAYS CH. A, C, E, G AND REMOTE INDICATION PANEL H22
7	IRM AND RELAYS CH. B, D, F, H AND REMOTE INDICATION PANEL H22
8	ANNUNCIATOR CIRCUITS
9	COMPUTER OUTPUTS
10	ROD WITHDRAWAL BLOCK OUTPUTS (TO RMCS AND P-603)
11	CABLE & TERMINATION DIAGRAM

CONTACTS								
HANDLE POSITION	1-2	3-4	5-6	7-8	9-10	11-12	13-14	15-16
NEXT								
8°		X				X		
90°			X		X			X
172°	X						X	
270°				X				

REFERENCE DOCUMENTS:

1.	886D581	PULSE PREAMPLIFIER ELEM DIAG.
2.	805E577AA	SOURCE RANGE MONITOR ELEM DIAG.
3.	177T1661	TRIP AUX UNIT ELEM DIAG.
4.	825D578AA	VOLTAGE PREAMPLIFIER ELEM DIAG.
5.	278D580AA	WIDE RANGE MONITOR ELEM DIAG.
6.	C51-1010	NEUT MON SYS SPEC.
7.	756A1755	RELATIVE PROCESS SYSTEM ELEM DIAG.
8.	C51-1020	POWER RANGE NEUTRON MON SYS ELEM CHASSIS(18)
9.	C12-1050	REACTOR PROTECTION SYS ELEM DIAG. (C12A)
10.	C12-P250	REACTOR MANUAL CONTROL SYS ELEMENTARY (C12A)
11.	C51-1030	SYSTEM MANUAL DESIGN CABLE CONTROL SYS ELEM DIAG. (C51)
12.	C91-4033	WIRING DIGITAL SYSTEMS (PROCESS COMPUTER)
13.	C72-1010	APR-1 INTERCONNECTION SCHEME
14.	A17-1010	SPECIAL WIRE & CABLE SPECIFICATION
15.	M13-2020	PCCC CONTROL DRAWING LIST
16.	M13-1060	POWER & UTILITY DISTR INTERCONNECTION ELEM DIAG.
17.	34W	LOOP DIAG. 2 ZINC-3 PLANT COMPUTER I/O-ALARM
18.	84W	LOOP DIAG. 2 ZINC-4 PLANT COMPUTER I/O-POINT

TABLE 1

DESIGNATOR CHART

REFERENCE DESIGNATION	RPL NO.	SUFFIX
SRM DETECTOR	C51-N001	A B C D
IRM DETECTOR	C51-N002	A B C D E F G H
PULSE PREAMPLIFIER	C51-N003	A B C D
VOLTAGE PREAMPLIFIER	C51-N004	A B C D E F G H
SOURCE RANGE MON	C51-P005	A B C D
INTERMEDIATE RANGE MON	C51-N001	A B C D E F G H
LOG COUNT RATE METER	C51-R606	A B C D
PERIOD METER	C51-R609	A B C D
SRM RECORDER	C51-R605	
SPECTRUM RECORDER	C51-R607	A B
REFRIGERATOR RECORDER	C51-R601	C D

NOTES

1. UNLESS OTHERWISE INDICATED THE FOLLOWING REFERENCE DESIGNATIONS SHOWN ON THIS DIAGRAM ARE PREFIXED WITH C51A

REFERENCE DESIGNATIONS	NAME
DS1X	INDICATING LIGHT
FIX	FUSE
SIX	SWITCH
JIX	JACK
PIX	PLUG
ZIX	SUBASSEMBLY

2. SEE FIG. NO. 1 FOR INDICATOR MARKING.
3. FOR REACTOR PROTECTION SYSTEM ROUTING SEE REF. DWG. 13. FOR SPECIAL CABLE & CONDUIT REQUIREMENTS SEE REF. DWG. 14.
4. COMPONENTS NOT IDENTIFIED WITH A REF. DESIGNATION ARE IDENTIFIED BY MPL NO. IN TABLE 1.
5. REMOTE RANGE SWITCH IS A 12 POSITION (15 INDEXING) 4 DECK (A, B, C, D) SWITCH. MECHANICAL STOP PREVENTS OPERATION OF SWITCH IN POSITIONS 11 & 12.
6. PREFIXES FOR PANEL DESIGNATIONS ARE AS FOLLOWS: M13-P003, P606, P633, M22-P052, P251, P032, P033.

⚠ ALARMS TO BE RETRANSMITTED TO BOP COMPUTER PER REF. 17.

⚠ BOE POINT TO BE RETRANSMITTED TO BOP COMPUTER PER REF. 18 AND TO NMS COMPUTER PER REF. 12.

LINE CODES: FOR SUMMARY SEE SH 1

THIS SHEET: 68 & 132

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