



LEGEND:
 ○ EXTERNAL WIRE MARK (SEE NOTES 2 & 3)
 □ MCC TERMINAL (WITH PULL OUT PROVISION)
 △ INTERNAL WIRE MARK
 △ IC61-P601 REMOTE SHUTDOWN PANEL
 △ IH13-P601 EMERGENCY CORE COOLING BENCHBOARD
 △ IH13-P621 RCIC RELAY VERT. BOARD
 △ IH13-P715A PGCC TERMINATION CABINET TMOB1 CLASS 1E DIVISION 1, THIS SHEET

REFERENCES:
 GE CO DRAWING 8285599A SHEET 8
 GE CO DRAWING 828239CA SHEET 4

NOTES:

1. ALL DEVICES WITHOUT LOCATION MARKS ARE LOCATED IN M.C.C.
2. ALPHANUMERICAL WIRE MARKS ARE PREFIXED BY: SUB-SYSTEM NO., SHEET NO., & LINE NO. (EXAMPLE: E51A1305A)
3. POTENTIAL WIRE MARKS ARE PREFIXED BY: SUB-SYSTEM NO. & SHEET NO. (EXAMPLE: E51A1311)
4. DEVICE DESIGNATIONS ARE PREFIXED BY: UNIT AND SYSTEM NO. (EXAMPLE: E51-F064) E50-PT AS NOTED (SEE NOTE 7)
5. VALVE SHOWN IN FULL CLOSED POSITION.
6. FOR GRAPHIC STANDARDS REFER TO DRAWING B-206-001.
7. THE FOLLOWING DEVICES ARE PREFIXED BY IE51A:
 S2 - SWITCH
8. SWITCH DEVELOPMENT FOR REMOTE SHUTDOWN TRANSFER AND CONTROL SWITCHES IC61A-S5, IC61A-S24 ARE SHOWN ON DRAWING B-203-089.

ROW	COL	LIMIT SW. CONTACT DEVELOPMENT			CONTACT LOCATION
		FULL OPEN	A	B	
1	1				SPARE
1	2				SPARE
1	3				23
1	4				05
2	5				SPARE
2	6				SPARE
2	7				21
2	8				SPARE
2	9				SPARE
2	10				SPARE
3	11				0825
3	12				R6141027
3	13				SPARE
3	14				SPARE
3	15				SPARE
3	16				SPARE

17 CLOSING TORQUE SWITCH INTERRUPTS CONTROL CIRCUIT IF MECHANICAL OVERLOAD OCCURS DURING CLOSING CYCLE OR FULLY CLOSED VALVE.

18 OPENING TORQUE SWITCH INTERRUPTS CONTROL CIRCUIT IF MECHANICAL OVERLOAD OCCURS DURING OPENING CYCLE OR FULLY OPENED VALVE.

— CLOSED CONTACT
 - - - OPEN CONTACT

ROTORS 3 AND 4 CAN BE SET AT VALVE POSITION FULL OPEN, FULL CLOSED OR ANY POSITION IN BETWEEN AS INDICATED BY POINTS A AND B.
 REF: PHILA. GEAR CORP. DMG. 15-477-2759-3 "EV. A"

S2/IH13-P601		CONTROL SWITCH			CONTACT LOCATION
(CAM 9) CONTACTS	OPERATOR	CLOSE	AUTO	OPEN	
TF 1	2	X			R6141027
TR 3	4			X	05
BF 5	6	X			17
BR 7	8			X	SPARE
TFT 9	10	X			0825
Tkt 11	12			X	SPARE
TANDEM BLOCK CR140-U206		X - CLOSED CONTACT			

KEYLOCK SW. REMOVABLE IN OPEN POS. - MAINT CONT

REMOTE SHUTDOWN

Ⓧ NUCLEAR SAFETY RELATED

THE CLEVELAND ELECTRIC ILLUMINATING CO.
 PERRY NUCLEAR POWER PLANT UNIT 1
 ELECTRICAL-ELEMENTARY DIAGRAM
 REACTOR CORE ISOLATION COOLING SYSTEM
 STEAM SUPPLY ISOLATION VALVE
 F064 (OUTBOARD) TR OTTLING, OPEN ONLY

ADDED REMOTE SHUTDOWN PANEL COMPARTMENT DESIGNATION & CONTACT LOCATIONS CHANGED FUSE	CHANGED FUSE	ADDED FITS INFORMATION ADDED FUSE & HP INFORM	REV. F064 L.S., 42F CONTACT & SW S2 DEVEL.	READING PA.	GILBERT ASSOCIATES, INC. ENGINEERS AND CONSULTANTS	DATE RELEASED FOR ENGR.	7-28-77
REV MADE CHKD APPROVALS DATE	REV MADE CHKD APPROVALS DATE	REV MADE CHKD APPROVALS DATE	REV MADE CHKD APPROVALS DATE	REV MADE CHKD APPROVALS DATE	REV MADE CHKD APPROVALS DATE	REV MADE CHKD APPROVALS DATE	REV MADE CHKD APPROVALS DATE
D VZ RM DEG RAM 11-21-77	C CIS RM DEG RAM 11-21-77	B RM RM DEG RAM 11-31-77	A WW RM DEG RM 7-28-77	044549-000	Jaw RM DEG TFF 7-28-77	CH 4549 B-208-075 E51 A13 D	44

ELEM DIAG IE51-F064

RIDS

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