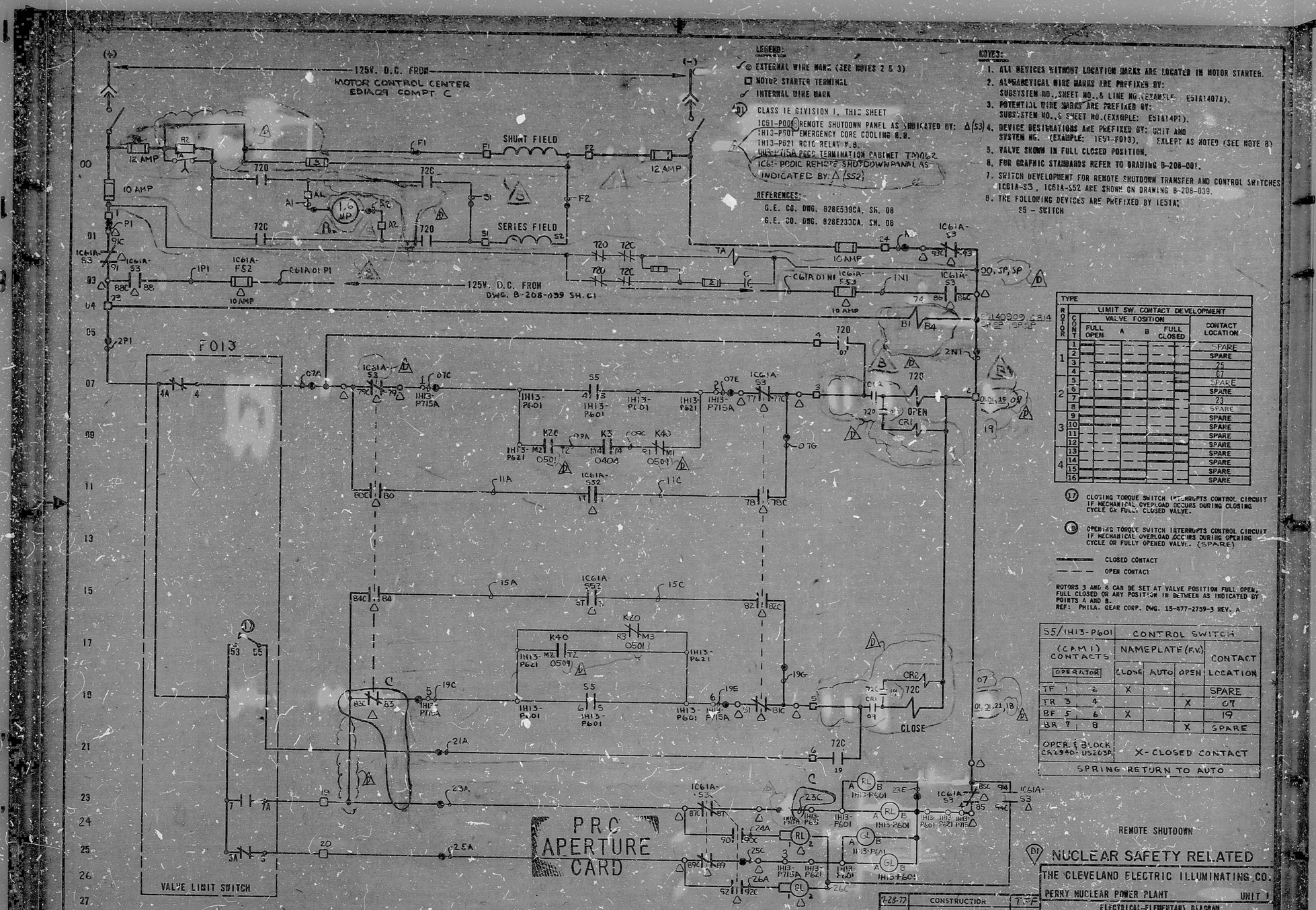


LEGEND:

- EXTERNAL WIRE MARK (SEE NOTES 2 & 3)
- MOTOR STARTER TERMINAL
- INTERNAL WIRE MARK
- (D1) CLASS 1E DIVISION 1, THIS SHEET
- 1C61-P001 REMOTE SHUTDOWN PANEL AS INDICATED BY: Δ(S3)
- 1H13-P601 EMERGENCY CORE COOLING B.B.
- 1H13-P621 RCIC RELAY B.B.
- 1H13-P715A PRCC TERMINATION CABINET TM062
- 1C61-P001C REMOTE SHUTDOWN PANAL AS INDICATED BY: Δ(S52)

REFERENCES:-

G.E. CO. DWG. 828E539CA. SH. 08
G.E. CO. DWG. 828E230CA. SH. 06

NOTES:

1. ALL DEVICES WITHOUT LOCATION MARKS ARE LOCATED IN MOTOR STARTER.
2. ALPHANUMERICAL WIRE MARKS ARE PREFIXED BY: SUBSYSTEM NO., SHEET NO., & LINE NO. (EXAMPLE: E51A1407A).
3. POTENTIAL WIRE MARKS ARE PREFIXED BY: SUBSYSTEM NO., & SHEET NO. (EXAMPLE: E51A14P1).
4. DEVICE DESIGNATIONS ARE PREFIXED BY: UNIT AND SYSTEM NO. (EXAMPLE: 1E51-F013). EXCEPT AS NOTED (SEE NOTE 8)
5. VALVE SHOWN IN FULL CLOSED POSITION.
6. FOR GRAPHIC STANDARDS REFER TO DRAWING B-208-001.
7. SWITCH DEVELOPMENT FOR REMOTE SHUTDOWN TRANSFER AND CONTROL SWITCHES 1C61A-S3, 1C61A-S52 ARE SHOWN ON DRAWING B-208-039.
8. THE FOLLOWING DEVICES ARE PREFIXED BY 1E51A;
   S5 - SWITCH

TYPE						
ROTOR	CONT	LIMIT SW. CONTACT DEVELOPMENT — VALVE POSITION: FULL OPEN	A	B	FULL CLOSED	CONTACT LOCATION
1	1					SPARE
	2					SPARE
	3					25
	4					07
2	5					SPARE
	6					SPARE
	7					23
	8					SPARE
3	9					SPARE
	10					SPARE
	11					SPARE
	12					SPARE
4	13					SPARE
	14					SPARE
	15					SPARE
	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. (SPARE)

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. DWG. 15-877-2759-3 REV. A

S5/1H13-P601 (CAM I) CONTACTS		CONTROL SWITCH NAMEPLATE (F.V.) CLOSE	AUTO	OPEN	CONTACT LOCATION
OPERATOR					
TF 1	2	X			SPARE
TR 3	4			X	07
BF 5	6	X			19
BR 7	8			X	SPARE
OPER. & BLOCK CR2940-US203A		X-CLOSED CONTACT			
SPRING RETURN TO AUTO					

REV	MADE	CHKD	APPROVALS	DATE
D	YZ	RMJ	DEG	RAM 5/14/82 — ADDED REMOTE SHUTDOWN PANEL COMPARTMENT DESIGNATION
C	BK	RMJ	DEG	RAM 4-6-80 — ADDED CONTACT 83-83C FOR SW. 1C61A-S53 @ LINE 19 WIRE MARK 23C @ LINE 23
B	CJS	RAM	DEG	RAM 11-26-79 — REVISED STARTER PER VENDOR CHANGED KP & FUSES
A	RMJ	RAM	DEG	RAM 7-31-79 — ADDED FITS INFORMATION CHANGED HP INFORMATION

7-28-77 CONSTRUCTION
PRELIMINARY
DATE RELEASED FOR ENGR. TFF

READING PA. — GILBERT ASSOCIATES, INC. ENGINEERS AND CONSULTANTS — 044549-000 WORK ORDER — RAM MADE — G.R.G. CHKD. — DEG DR. APP. — TFF ENG. APP. — 1-25-77 DATE

THE CLEVELAND ELECTRIC ILLUMINATING CO.
PERRY NUCLEAR POWER PLANT UNIT 1
ELECTRICAL-ELEMENTARY DIAGRAM
REACTOR CORE ISOLATION COOLING SYSTEM
RCIC INJECTION SHUTOFF MOV
F013

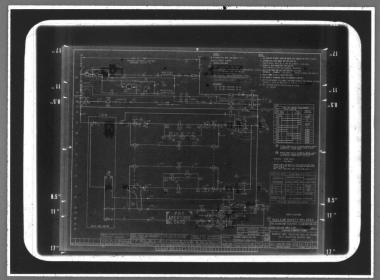
DRAWING NUMBER: 4549 B-208-075 — SYSTEM: E51 — SYS. NO.: A14 — REV.: D

E L E M D I A G E S I - F O I 3

RIDS

1791

8212160710



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