



LEGEND:
 ○ PENTIAL WIRE MARK (SEE NOTES 2 & 3)
 □ MOTOR STARTER TERMINAL
 ▽ INTERNAL WIRE MARK
 ▽ CLASS 1E DIVISION 1: THIS SHEET
 ▽ IC61-P000 REMOTE SHUTDOWN PANEL AS INDICATED BY:
 ▽ IH13-P601 EMERGENCY CORE COOLING REVERSE
 ▽ IH13-P601 P000 TERMINATION CABINET TR0508
 ▽ IH13-P621 RCIC RELAY VERT:CAL BOARD

REFERENCES:
 G.E. CO. DWG. 928E230CA, SH. 30 REV. 1
 G.E. CO. DWG. 928E230CA, SH. 05

- NOTES:**
- ALL DEVICES WITHOUT LOCATION MARKS ARE LOCATED IN MOTOR STARTER.
 - ALPHABETICAL WIRE MARKS ARE PREFIXED BY: SUBSYSTEM NO., SHEET NO., & LINE NO. (EXAMPLE: E51A2507A).
 - POTENTIAL WIRE MARKS ARE PREFIXED BY: SUBSYSTEM NO., & SHEET NO. (EXAMPLE: E51A2507).
 - DEVICE IDENTIFICATION AND PREFIXED BY: UNIT AND SYSTEM NO. (EXAMPLE: 1E51-F510, EXCEPT AS NOTED (SEE NOTE 8)).
 - VALVE SHOWN IN FULL CLOSED POSITION.
 - FOR GRAPHIC STANDARDS REFER TO DRAWING B-208-051.
 - SWITCH DEVELOPMENT FOR REMOTE SHUTDOWN TRANSFER AND CONTROL SWITCHES IC61A-55, IC61A-520 ARE SHOWN ON DRAWING B-208-039.
 - THE FOLLOWING DEVICES ARE PREFIXED BY 1E51A: S26 - SWITCH

| TYPE | LIMIT SW. CONTACT DEVELOPMENT | | | | CONTACT LOCATION |
|------|-------------------------------|---|---|-------------|------------------|
| | VALVE POSITION | | | | |
| | FULL OPEN | A | B | FULL CLOSED | |
| 1 | | | | | SPARE |
| 2 | | | | | SPARE |
| 3 | | | | | 25 |
| 4 | | | | | 07 |
| 5 | | | | | SPARE |
| 6 | | | | | SPARE |
| 7 | | | | | 23 |
| 8 | | | | | 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 AN" X 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. 15-477-2758-3 REV. A

| S26/IH13-P601 CONTROL SWITCH | | | | |
|------------------------------|------------------|-------|------------------|-------|
| CONTACTS | NAMEPLATE (F.W.) | | CONTACT LOCATION | |
| | OPERATOR | CLOSE | NORM | OPEN |
| TR 1 | 2 | X | | SPARE |
| TR 3 | 4 | | X | 07 |
| BR 5 | 6 | X | | 19 |
| DR 7 | 8 | | X | SPARE |

OPER. BLOCK
 622446-05203A
 X - CLOSED CONTACT
 SPRING RETURN TO NORM.

REMOTE SHUTDOWN
 NUCLEAR SAFETY RELATED

THE CLEVELAND ELECTRIC ILLUMINATING CO.
 PERRY NUCLEAR POWER PLANT UNIT 1
 ELECTRICAL-ELEMENTARY DIAGRAM
 REACTOR CORE ISOLATION COOLING SYSTEM
 TURBINE TRIP AND THROTTLING VALVE
 F510

| 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 | |
|-----|------|------|-----------|------|-----|------|------|-----------|------|-----|------|------|-----------|------|-----|------|------|-----------|------|-----|------|------|-----------|------|--|
| | | | | | | | | | | | | | | | | | | | | | | | | | |

ADDED REMOTE SHUTDOWN PANEL COMPARTMENT DESIGNATION
 REVISED STARTER PER VENDOR
 ADDED FITS INFORMATION CHANGED TERM CAB
 ADDED TERM. DESIGNATIONS TO LS 5

DATE RELEASED FOR ENGR.
 7-28-77 CONSTRUCTION TFP
 PRELIMINARY
 GILBERT ASSOCIATES, INC. ENGINEERS AND CONSULTANTS

WORK ORDER: 044548-000
 MADE: CHKD: DR. APP: ENR. APP: DATE: 7-28-77

DRAWING NUMBER: 44 4549 B-208-075 E51 A25 D
 SYSTEM SH. NO. 01

21
 11
 5.8
 8.5
 11
 17

21
 11
 5.8
 8.5
 11
 17

RIPS

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