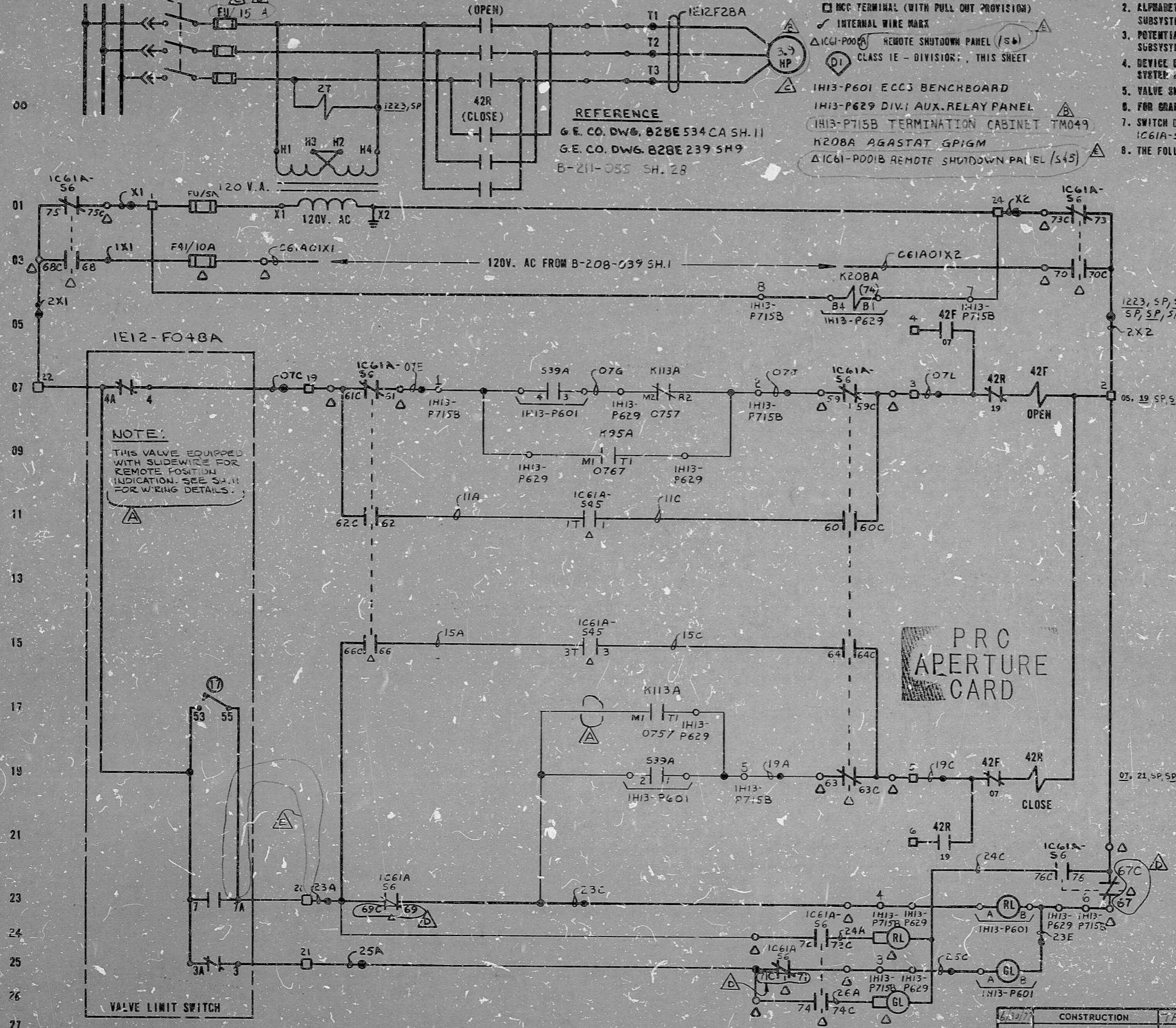


MOTOR CONTROL CENTER EF1807 COMPT. V
480V. AC, 3Ø, 60 HZ.



REFERENCE
G.E. CO. DWG. 828E 534 CA SH. 11
G.E. CO. DWG. 828E 239 SH. 9
B-211-055 SH. 28

- LEGEND:
- EXTERNAL WIRE MARK (SEE NOTES 2 & 3)
 - MCC TERMINAL (WITH PULL OUT PROVISION)
 - INTERNAL WIRE MARK
 - REMOTE SHUTDOWN PANEL (S45)
 - CLASS IE - DIVISION; THIS SHEET
 - 1H13-P601 ECC3 BENCHBOARD
 - 1H13-P629 DIV. AUX. RELAY PANEL
 - 1H13-P715B TERMINATION CABINET TMO49
 - K208A AGASTAT GPIGM
 - 1C61-P001B REMOTE SHUTDOWN PANEL (S45)

- NOTES:
- ALL DEVICES WITHOUT LOCATION MARKS ARE LOCATED IN M.C.C.
 - ALPHABETICAL WIRE MARKS ARE PREFIXED BY: SUBSYSTEM NO., SHEET NO., & LINE NO. (EXAMPLE E12A5607A)
 - POTENTIAL WIRE MARKS ARE PREFIXED BY: SUBSYSTEM NO., & SHEET NO. (EXAMPLE E12A56X1)
 - DEVICE DESIGNATIONS ARE PREFIXED BY: SHIT AND SYSTEM NO. (EXAMPLE 1E12-FO48A) EXCEPT AS NOTED (SEE NOTE 8)
 - VALVE SHOWN IN FULL CLOSED POSITION.
 - FOR GRAPHIC STANDARDS REFER TO DRAWING B-200-001.
 - SWITCH DEVELOPMENT FOR REMOTE SHUTDOWN TRANSFER AND CONTROL SWITCHES 1C61A-545 & 1C61A-56 ARE SHOWN ON DRAWING B-200-030.
 - THE FOLLOWING DEVICES ARE PREFIXED BY 1E12A: 539A - SWITCH

NOTE:
THIS VALVE EQUIPPED WITH SLIDEWIRE FOR REMOTE POSITION INDICATION. SEE SH. 11 FOR WIRING DETAILS.

| ROW | LIMIT SW. CONTACT DEVELOPMENT | | CONTACT LOCATION |
|-----|-------------------------------|----------------------------|------------------|
| | VALVE POSITION FULL OPEN | VALVE POSITION FULL CLOSED | |
| 1 | | | SPARE |
| 2 | | | SPARE |
| 3 | | | 75 |
| 4 | | | 07 |
| 5 | | | SPARE |
| 6 | | | SPARE |
| 7 | | | 23 |
| 8 | | | SPARE |
| 9 | | | SPARE |
| 10 | | | SPARE |
| 11 | | | SPARE |
| 12 | | | SPARE |
| 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
- POINTS 3 AND 8 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

PRC APERTURE CARD

| S39A/1H13-P601 CONTROL SWITCH | | NAMEPLATE (FV) | | CONTACT LOCATION |
|-------------------------------|---|------------------|------|------------------|
| (CAM 1) CONTACTS | | CLOSE | AUTO | |
| OPERATOR | | | | |
| TF 1 | 2 | X | | 19 |
| TR 3 | 4 | | X | 07 |
| BF 5 | 6 | X | | SP |
| BR 7 | 8 | | X | SP |
| OPERATOR BLOCK CR2940-55203A | | X-CLOSED CONTACT | | |
| SPRING RETURN TO AUTO | | | | |

REMOTE SHUTDOWN
NUCLEAR SAFETY RELATED

THE CLEVELAND ELECTRIC ILLUMINATING CO.
PERRY NUCLEAR POWER PLANT UNIT 1

| REV | DATE | CHKD | APPROVALS | DATE | REV | DATE | CHKD | APPROVALS | DATE | REV | DATE | CHKD | APPROVALS | DATE | REV | DATE | CHKD | APPROVALS | DATE | | | | | |
|-----|----------|------|-----------|---------|-----|---------|------|-----------|---------|-----|---------|------|-----------|---------|-----|---------|------|-----------|---------|---|---------|----|-----|---------|
| E | 12/15/77 | PM | DEC | 1/15/78 | D | 1/15/78 | PM | DEC | 1/15/78 | C | 1/15/78 | PM | DEC | 1/15/78 | B | 1/15/78 | PM | DEC | 1/15/78 | A | 1/15/78 | PM | DEC | 1/15/78 |

ELEM DIAG IE12-FO48A

| CONSTRUCTION | DATE | RELEASED FOR |
|--------------|-------|--------------|
| PRELIMINARY | | |
| RELEASED FOR | 2MGR. | |

GI-BERT ASSOCIATES, INC.
ENGINEERS AND CONSULTANTS

044549-000
DRAWING NUMBER: 044549 B-208-055 E12 A56
SYSTEM SH. NO. REV.

RIPS

8212160411

