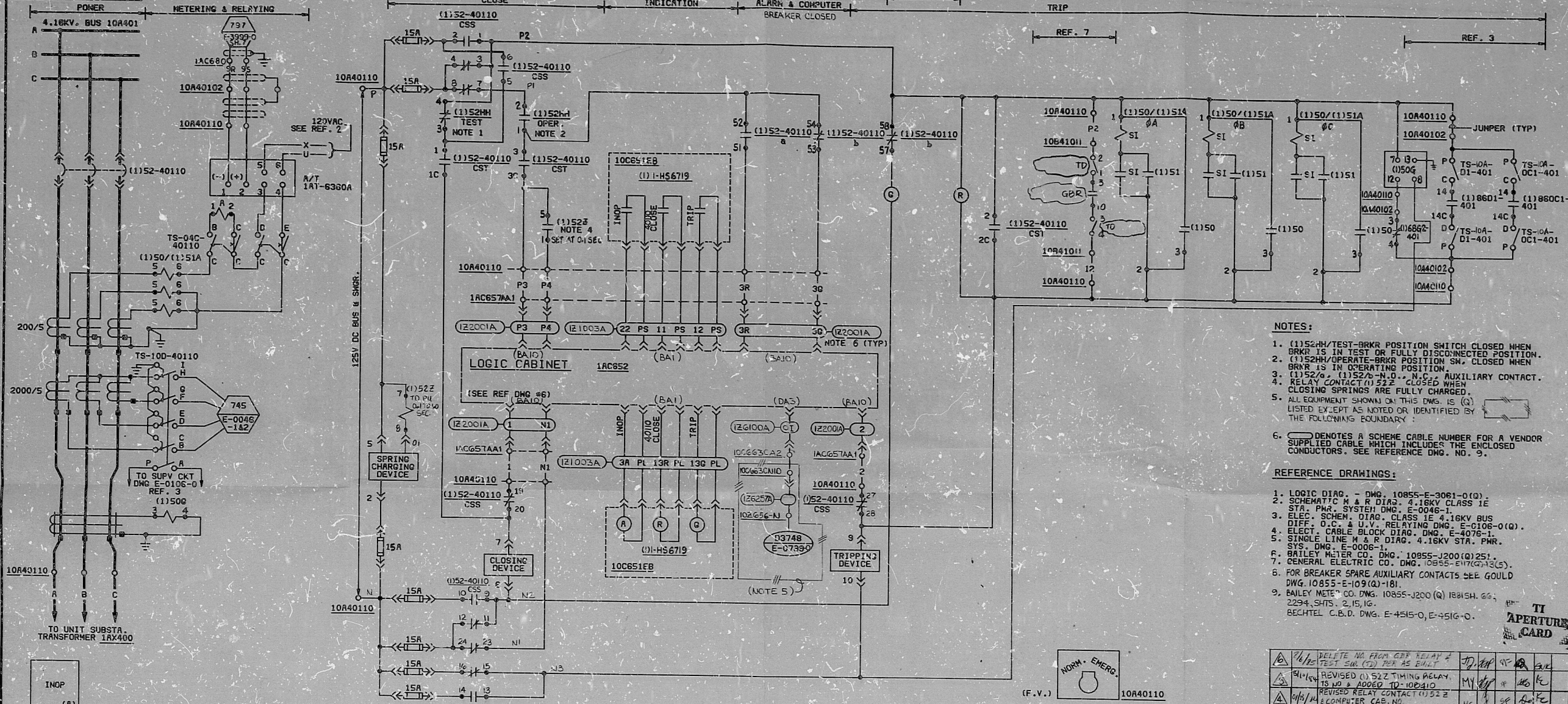


E-0076-0 Q



- NOTES:**
- (1) 52H/TEST-BRKR POSITION SWITCH CLOSED WHEN BRKR IS IN TEST OR FULLY DISCONNECTED POSITION.
  - (1) 52H/OPERATE-BRKR POSITION SW. CLOSED WHEN BRKR IS IN OPERATING POSITION.
  - (1) 52H/ (1) 52H/ N.O. N.C. AUXILIARY CONTACT. RELAY CONTACT (1) 52H/ CLOSED WHEN CLOSING SPRINGS ARE FULLY CHARGED.
  - ALL EQUIPMENT SHOWN ON THIS DWS IS (3) LISTED EXCEPT AS NOTED OR IDENTIFIED BY THE FOLLOWING BOUNDARY:
  - ( ) DENOTES A SCHEME CABLE NUMBER FOR A VENDOR SUPPLIED CABLE WHICH INCLUDES THE ENCLOSED CONDUCTORS. SEE REFERENCE DWS. NO. 9.

- REFERENCE DRAWINGS:**
- LOGIC DIAG. - DWS. 10855-E-3061-0(0).
  - SCHEMATIC M & R DIAG. 4.16KV CLASS 1E STA. PWR. SYSTEM DWS. E-0046-1.
  - ELEC. SCHEM. DIAG. CLASS 1E 4.16KV BUS DIFF. D.C. & U.V. RELAYING DWS. E-0108-0(0).
  - ELECT. CABLE BLOCK DIAG. DWS. E-4076-1.
  - SINGLE LINE M & R DIAG. 4.16KV STA. PWR. SYS. DWS. E-0007-1.
  - BAILEY METER CO. DWS. 10855-J200(0) 251.
  - GENERAL ELECTRIC CO. DWS. 10855-E17(G) 13(5).
  - FOR BREAKER SPARE AUXILIARY CONTACTS SEE GOULD DWS. 10855-E-109(0) 181.
  - BAILEY METER CO. DWS. 10855-J200(0) 181 54. 66. 2294. SHTS. 2, 15, 16. BECHTEL C.B.D. DWS. E-4515-0, E-4516-0.

INOP (A)

40/10 CLOSE (R)

TRIP CONTROL CONSOLE 10C651EB (Q)

CONTROL SWITCH 10C651EB MOMENTARY CONTACT

TRIP CLOSE PULL TO LOCK 10A40110

| CONTACTS (HANDLE END) |   | POSITIONS |                    |      |              |
|-----------------------|---|-----------|--------------------|------|--------------|
|                       |   | CLOSE     | NORMAL AFTER CLOSE | TRIP | PULL TO LOCK |
| 1 1C2C 2              | 1 | X         |                    |      |              |
| 2 1C2C 2              | 2 |           |                    | X    | X            |
| 3 3C4C 4              | 3 | X         | X                  | X    | X            |
| 4 1C2C 2              | 4 |           | X                  | X    |              |

TEST SWITCH (1) 52-40110 CST  
G.E. TYPE SBM SPRING RETURN TO NORMAL

UNIT SUBSTATION XFMR. FOR CKT. BRKR. (1) 52-40110  
SCHEME NO. 1A0322

CLASS 1E (A)

NORM. EMERG. (F.V.) 10A40110

| CONTACTS (HANDLE END) |       |       |   | NORMAL | EMERG. |
|-----------------------|-------|-------|---|--------|--------|
| 1                     | 2     | 3     | 4 |        |        |
| 1-2                   | 1-2   | 3-4   | X |        |        |
| 5-6                   | 5-6   | 7-8   | X |        |        |
| 9-10                  | 9-10  | 11-12 | X |        |        |
| 13-14                 | 13-14 | 15-16 | X |        |        |
| 17-18                 | 17-18 | 19-20 | X |        |        |
| 21-22                 | 21-22 | 23-24 | X |        |        |
| 25-26                 | 25-26 | 27-28 | X |        |        |
| 29-30                 | 29-30 | 31-32 | X |        |        |

CONTROL SELECTOR SW. (1) 52-40110 CSS  
GOULD TYPE C77  
HANDLE LOCKS A KEY REMOVABLE IN NORMAL POSITION

S/U-PG

|       |                                                         |       |       |       |       |
|-------|---------------------------------------------------------|-------|-------|-------|-------|
| 10/15 | REVISED (1) 52Z TIMING RELAY. IS NO. 4 ADDED TO 10A4010 | 10/15 | 10/15 | 10/15 | 10/15 |
| 10/15 | REVISED RELAY CONTACT (1) 52Z                           | 10/15 | 10/15 | 10/15 | 10/15 |
| 10/15 | REV. TO ADD BAILEY INFO E TO DELETE REFERENCE TO UNIT 2 | 10/15 | 10/15 | 10/15 | 10/15 |
| 10/15 | REVISED TRANSFORMER SHIELD CONNECTION                   | 10/15 | 10/15 | 10/15 | 10/15 |
| 10/15 | REVISED PER SWGR. WIRING                                | 10/15 | 10/15 | 10/15 | 10/15 |
| 10/15 | ISSUED FOR CONSTRUCTION                                 | 10/15 | 10/15 | 10/15 | 10/15 |
| 10/15 | BY: [Signature]                                         | 10/15 | 10/15 | 10/15 | 10/15 |
| 10/15 | SCALE: NONE                                             | 10/15 | 10/15 | 10/15 | 10/15 |
| 10/15 | BECHTEL                                                 | 10/15 | 10/15 | 10/15 | 10/15 |
| 10/15 | PUBLIC SERVICE ELECTRIC AND GAS COMPANY                 | 10/15 | 10/15 | 10/15 | 10/15 |
| 10/15 | HOPE CREEK GENERATING STATION                           | 10/15 | 10/15 | 10/15 | 10/15 |
| 10/15 | ELECTRICAL SCHEMATIC DIAGRAM                            | 10/15 | 10/15 | 10/15 | 10/15 |
| 10/15 | CLASS 1E - 4.16KV                                       | 10/15 | 10/15 | 10/15 | 10/15 |
| 10/15 | UNIT SUBSTA. XFMR. FEEDER                               | 10/15 | 10/15 | 10/15 | 10/15 |
| 10/15 | CIRCUIT BREAKER (1) 52-40110                            | 10/15 | 10/15 | 10/15 | 10/15 |
| 10/15 | JOB No.                                                 | 10/15 | 10/15 | 10/15 | 10/15 |
| 10/15 | DRAWING No.                                             | 10/15 | 10/15 | 10/15 | 10/15 |
| 10/15 | REV.                                                    | 10/15 | 10/15 | 10/15 | 10/15 |
| 10/15 | 10855                                                   | 10/15 | 10/15 | 10/15 | 10/15 |
| 10/15 | E-0076-0                                                | 10/15 | 10/15 | 10/15 | 10/15 |
| 10/15 | Q                                                       | 10/15 | 10/15 | 10/15 | 10/15 |



PDR RIDS

8510030349

