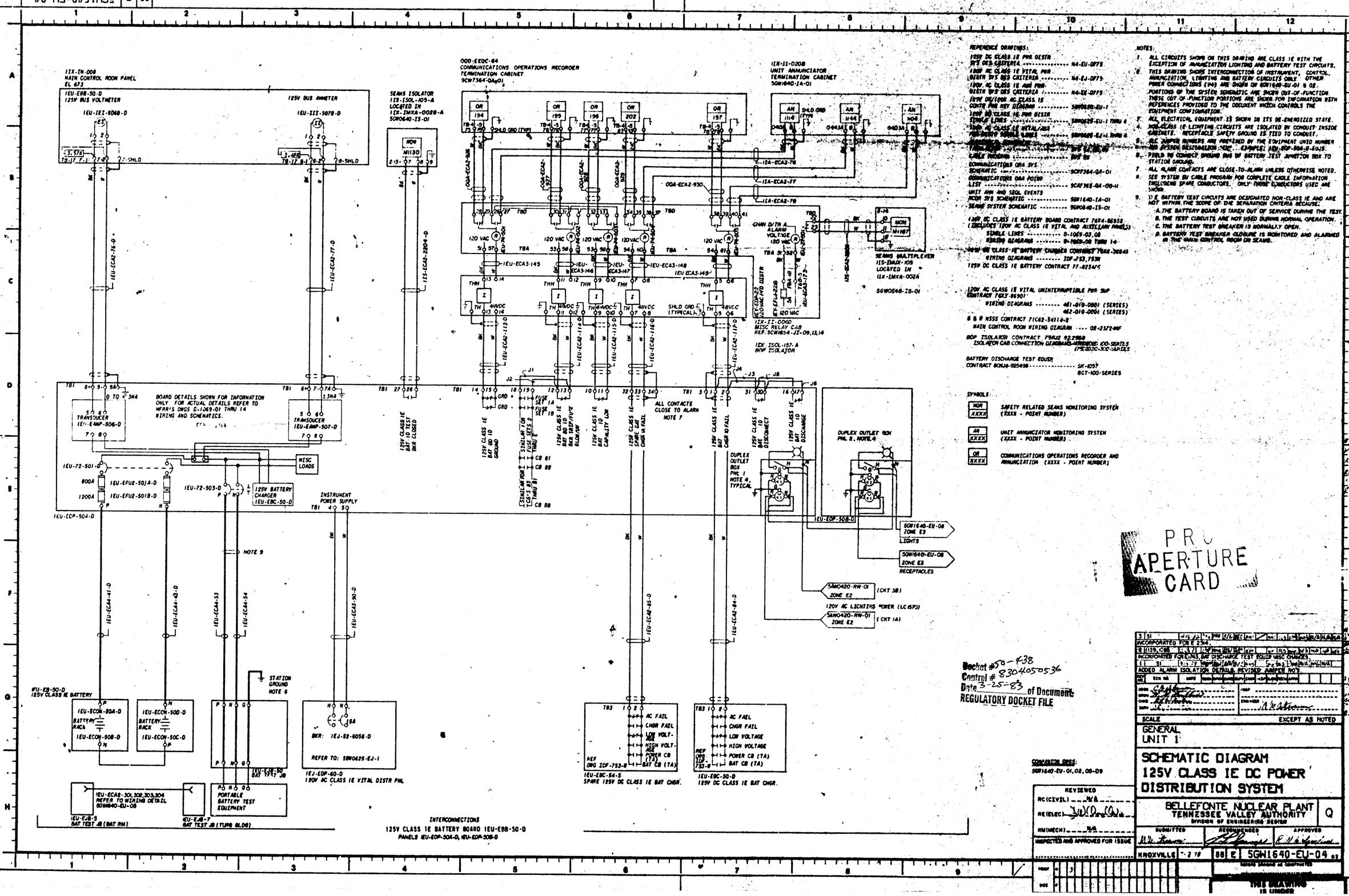


REFERENCE DRAWINGS:

- 125V DC CLASS 1E PWR DISTR SYS DES CRITERIA ..... N4-EU-DF75
- 120V AC CLASS 1E VITAL PWR DISTR SYS DES CRITERIA ..... N4-EJ-DF75
- 120V AC CLASS 1E AND PWR DISTR SYS DES CRITERIA ..... N4-EX-DF75
- 125V DC/120V AC CLASS 1E CONTR PWR KEY DIAGRAM ..... SGW0630-EU-1
- 120V AC CLASS 1E VITAL DISTR TYPICAL LINES ..... SGW0625-EU-1 THRU 4
- 125V DC CLASS 1E VITAL DISTR TYPICAL LINES ..... SBW0625-EJ-1, SHTS 2
- CABLE PROGRAM ..... SWP 88
- COMMUNICATIONS QRA SYS SCHEMATIC ..... 9CW7364-0A-01
- COMMUNICATIONS QRA POINT LIST ..... 9CAF765-0A-08-H
- UNIT ANN AND SEQL EVENTS RCDR SYS SCHEMATIC ..... SGW1640-1A-01
- SEAMS SYSTEM SCHEMATIC ..... SGW0640-IS-01
- 120V DC CLASS 1E BATTERY BOARD CONTRACT 76K4-86933 (INCLUDES 120V AC CLASS 1E VITAL AND AUXILIARY PANELS)
  - SINGLE LINES ..... 0-1069-03, 08
  - WIRING DIAGRAMS ..... 0-1069-08 THRU 14
- 125V DC CLASS 1E BATTERY CHARGER CONTRACT 76K4-36845
  - WIRING DIAGRAMS ..... IOP-J93, 7831
- 125V DC CLASS 1E BATTERY CONTRACT 77-823415
- 120V AC CLASS 1E VITAL UNINTERRUPTIBLE PWR SUP CONTRACT 76LV-86901
  - WIRING DIAGRAMS ..... 461-010-0001 (SERIES) 462-010-0001 (SERIES)
- B & W NSSS CONTRACT 77C68-541142
  - MAIN CONTROL ROOM WIRING DIAGRAM ..... 08-2372-WF
- BOP ISOLATOR CONTRACT 79K42-922980
  - ISOLATOR CAB CONNECTION DIAGRAMS ..... 47E2020-300 SERIES
- BATTERY DISCHARGE TEST EQUIP CONTRACT 80K96-825498 ..... SK-1057 8CT-100-SERIES

NOTES:

1. ALL CIRCUITS SHOWN ON THIS DRAWING ARE CLASS 1E WITH THE EXCEPTION OF ANNUNCIATION LIGHTING AND BATTERY TEST CIRCUITS.
2. THIS DRAWING SHOWS INTERCONNECTION OF INSTRUMENT, CONTROL, ANNUNCIATION, LIGHTING AND BATTERY CIRCUITS ONLY. OTHER POWER CONNECTIONS (PWR) ARE SHOWN ON SGW1640-EU-01 & 02.
3. PORTIONS OF THE SYSTEM SCHEMATIC ARE SHOWN OUT-OF-FUNCTION. THESE OUT-OF-FUNCTION PORTIONS ARE SHOWN FOR INFORMATION WITH REFERENCES PROVIDED TO THE DOCUMENT WHICH CONTROLS THE EQUIPMENT CONFIGURATION.
4. ALL ELECTRICAL EQUIPMENT IS SHOWN IN ITS DE-ENERGIZED STATE.
5. 1EX CLASS 1E LIGHTING CIRCUITS ARE ISOLATED BY CONDUIT INSIDE CABINETS. RECEPTACLE SAFETY GROUND IS TIED TO CONDUIT.
6. ALL JUMPER NUMBERS ARE PREFIXED BY THE EQUIPMENT UNID NUMBER AND SYSTEM DESIGNATION "EU". EXAMPLE: 1EU-EDP-908-S-EU15.
7. FIELD TO CONNECT GROUND BUS OF BATTERY TEST JUNCTION BOX TO STATION GROUND.
8. ALL ALARM CONTACTS ARE CLOSE-TO-ALARM UNLESS OTHERWISE NOTED.
9. SEE SYSTEM EU CABLE PROGRAM FOR COMPLETE CABLE INFORMATION INCLUDING SPARE CONDUCTORS. ONLY THOSE CONDUCTORS USED ARE SHOWN.
10. 11 E BATTERY TEST CIRCUITS ARE DESIGNATED NON-CLASS 1E AND ARE NOT WITHIN THE SCOPE OF THE SEPARATION CRITERIA BECAUSE:
    - A. THE BATTERY BOARD IS TAKEN OUT OF SERVICE DURING THE TEST.
    - B. THE TEST CIRCUITS ARE NOT USED DURING NORMAL OPERATION.
    - C. THE BATTERY TEST BREAKER IS NORMALLY OPEN.
    - D. BATTERY TEST BREAKER CLOSURE IS MONITORED AND ALARMED IN THE MAIN CONTROL ROOM ON SEAMS.

SYMBOLS:

- MON XXXX — SAFETY RELATED SEAMS MONITORING SYSTEM (XXXX - POINT NUMBER)
- AN XXXX — UNIT ANNUNCIATOR MONITORING SYSTEM (XXXX - POINT NUMBER)
- OR XXXX — COMMUNICATIONS OPERATIONS RECORDER AND ANNUNCIATION (XXXX - POINT NUMBER)

PRO APERTURE CARD

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