DETAIL A4

480V SWGR 2EX2-A
2EI-ELVS-254-A

480V SWGR 2EX1-A
2EI-ELVS-244-A

BOP ISLN CAB
2IX-ISOL-253-A

FOR CIRCUIT DETAILS SEE 5GW2740-EI-01

OPERATIONS RECORDER
OOD-EEOC-64

REF DRG 9C97364-QA-02

LOCATED ON MCR PNL 2IX-IN-001

2IX-02SF-A

TRIP CLOSE

SSCS TERMINATION CAB
2IX-IB-007-A

REF 2GW0900-IL-02

480V SWGR 2EX2-B
ELVS-29-B

REF 5GW2740-EI-05

EMER BKR 52E-22C-B

120V AC/24V AC CLASS 1E AUX PWR DISTRIBUTION PNL 2EK-EDP-74-A

2EK-EFU1-7412-A

15A

REF 5W2651-JT-05

POWER DISTRIBUTION RELAY CAB 2IX-IR-001-A

TRAIN ISOLATION INITIATED BY ESFAS OR LOW

ENT B

480V SWGR 2EX2-A
2EI-ELVS-25-A

6.9 KV SWGR 2ET1-A PANEL B
2EG-ERVS-089-A

REF 5GW0749-RP-02
REF 1TE CONN DIAG
33-5101E-D462

LV SWGR XFMR FDR
88-254-A

6.9 KV-480V XFMR T2EX2-A
E1485-A

TO XFMR COOLING FANS

OPT-I=THERM TEMPERATURE INDICATOR AND CONT

CLOSE WHEN XFMR TEMP >140°C

CLOSE WHEN XFMR TEMP >175°C

FOR SCHEMATIC DETAIL SEE 5GW2740-EI-08

FDR BKR POSITION 52-25A-A 52S/A

2IS-ECA2-2044-A

SEAMS ISOLATION CABINET 2IS-ISOL-208-A LOCATED IN CAB 2IX-IXAA-003B-A

REF DRG 5GW06-40-IS-01

REF W DRG 870904

PANEL A

SEE W CONN DIAG 1245F91

2IX-25BA-4 MAIN BUS UNDER VOLTAGE SEE NOTE 6

2IX-25BA-4 LOSS OF CONTROL VOLTAGE

2IX-25BA-4 MAIN BUS UNDER VOLTAGE SEE NOTE 6

2IS-ECA2-2045-A

2IS-ECA2-2046-A

2IS-ECA2-2047-A

2IS-ECA2-2048-A

2IS-ECA2-2049-A

2IS-ECA2-2050-A

2IS-ECA2-2051-A

2IS-ECA2-2052-A

2IS-ECA2-2053-A

2IS-ECA2-2054-A

SEAMS ISOLATION CABINET 2IS-ISOL-206-A LOCATED IN CAB 2IX-IXAA-002B-A

CONTROL VOLTAGE TRANSFER SWITCH 43-25B-S 125V DC CONTROL POWER

125V CLASS 1E DC PWR DISTRIBUTION PANEL 2EU-EDP-50B-D

2EU-72-5083-D REF 5GW06-25-EU-01

NOR FDR

125V CLASS 1E DC PWR DISTRIBUTION PANEL 2EU-EDP-52B-F

2EU-72-5083-F REF 5GW06-25-EU-03

ALT FDR

FOR CIRCUIT DETAILS SEE 5GW06-40-IS-01

PANEL B

SEE W CONN DIAG 1245F92

FOR SCHEMATIC DETAILS REF 5GW2740-EI-08

SUPPLY BKR 52H-25F-A

EFU3-29CA-A

52E-29C-A SHUNT TRIP

SEAMS ISOLATION CABINET 2IS-ISOL-205-A LOCATED IN CAB 2IX-IXAA-002B-A

480V SWGR 2EX2-A

NOTES:
1. FOR GENERAL NOTES SEE SHEET 01.

ADDED TERMINAL NUMBERS TO BOP ISOLATION CABINETS, MINOR CHANGES

GENERAL
UNIT 2

SYSTEM SCHEMATIC
480 V CLASS 1E AC
AUXILIARY POWER SYSTEM

BELLEFONTE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

Q

SCALE: EXCEPT AS NOTED

KNOXVILLE 1-12-77

5GW2740-EI-04

Docket # 50-438
Control # 8304050536
Date 3-25-83
of Document
REGULATORY DOCKET FILE

REVIEWED
RG(CIVIL) N/A
RE(ELEC)
RM(MECH) N/A

INSPECTED AND APPROVED FOR ISSUE

PRC APERTURE CARD