NOTES:
1. FOR GENERAL NOTES AND SYMBOLS SEE DWG 5GW2740-ED-01.

480V LV SWGR 2XA3
ELVS-19

COMPT C3
REF:
℄ SCHEM DWG NO. 1245F04 DET H
℄ CONNECTION DWG NO. 1245F30

104
EFU2-58 AB
EFU3-58AA
52-58A
AMPTECTOR
52a
52b
125V DC CONT PWR
104
CLOSES WHEN BKR CLOSES
TOC
52a
C34-7
C32-2
9A 9B 9C
ECA4-10
ECA4-11
21S-ECA2-867
3EAA15 MPX
21S-IMUX-203
LOCATED IN
21X-II-010
10 11 12
4-04
48V DC
AN A1027
REF 5GW0640-IS-01

480V MCC SXF4
EMCC-58

COMPT A1
REF: 5GW0747-RP-1
TYP 61NO

3A(TYP)
EFU2-58FA
EIL-58FA
EFU2-58FB
EIL-58FB
NON-AUTO
52NA-58F

COMPT G2
REF: 5GW0747-RP-2
TYP 58O3

GB14-9
EDJ4
GB1-1
5A
EFU1-58 BD
SEAMS
ANN (UNIT 1)
ORA
ANN (UNIT 2)
27-58B
TDDE
GB1-3 TC 5 SEC
GB14-N4
GB14-N8
EDJ5
EDJ3
GB14-1A
EDJ1
GB14-M1
EDJ2
GB14-H1
101AC
G5-1
G5-2
15A (TYP)
EFU2-58BA
480-120V
EDS-58B
ECPT-58B
COMPT G1
REF: 5GW0747-RP-2
TYP 58O4
COMPT G5
REF: 5GW0747-RP-2
TYP 58O1/58O2
15A (TYP)
CKT BKR 1
CKT BKR 2
CKT BKR 3
CKT BKR 4
CKT BKR 5
CKT BKR 6
G2-1
G2-2
G2-3
G2-4
G2-5
G2-6
CKT FOR COMPT HEATER CONT RP-11
SEE MCC CKT SCHEDULE FOR BKR ASSIGNMENTS
G2-N1
G2-N2
G2-N3
G2-N4
G2-N5
G2-N6
GROUNDED NEUTRAL BUS

GB14-9
EDJ6
K1-1
5A
EFU1-58BC
5065-58B
GROUND RELAY GRN-FC
SEE ZONE F7
50GX
K1-8
EDJ6
K3-1
52a
ST
SHUNT TRIP
K3-3
EDJ9
GB14-N9
SEE ZONE H8
COMPT K1
REF: 5GW0747-RP-2
TYP 58O7
50GX-58B
50FX
K1-3
EDJ7
GB14-N8
K1-8 K1-7 K1-15 K1-9 K1-10 K1-11 K1-12 K1-17 K1-18
52-013 SHUNT TRIP
52-012 SHUNT TRIP
5A
EFU1-013
5A
EFU1-012
SEE ZONE F8
K1-7
EDJ10
K3-6
52a
K3-4
EDJ11
GB14-N9

A B C
CON'T CKTS CLOSE FOR LOSS OF VOLTAGE CONDITION (TC 5 SEC)
27-58B
27
GB1-4 GB1-5 GB1-7 GB1-8 GB1-9 GB1-10 GB1-11
BK W
21S-ECA2-869
4-04
48V DC
4 5 6
AM A1023
SEAMS MPX
21S-IMUX-203
LOCATED IN
21X-II-010
REF: 5GW0640-IS-01
LOSS OF VOLTAGE ANNUNCIATION
FOR CKT DETAILS SEE DETAIL 8 5GW1740-ED-33
LOSS OF VOLTAGE OPERATIONS RECORDER
FOR CKT DETAILS SEE DETAIL 11 5GW2740-ED-36
LOSS OF VOLTAGE ANNUNCIATION
FOR CKT DETAILS SEE DETAIL 13 5GW1740-ED-34

COMPT K1
REF: 5GW0747-RP-2
TYP 58O7
5065-58B
GROUND SENSOR
SEE ZONE E8
FOR SHUNT TRIP SEE ZONE E8
T1 T2 T3
52-012
COMPT K3 (R)
REF: 5GW0747-RP-3
TYP 7TS1A
FOR SHUNT TRIP SEE ZONE E7
52-013
COMPT K3 (L)
REF: 5GW0747-RP-3
TYP 7TS1A

ERCP-012A EL 629 COL A11,T
ERCP-012B EL 610 COL A11,T
ERCP-012C EL 610 COL A10,T
ERCP-012D EL 590 COL A10,T
ECA4-13
ECA4-14
ECA4-15
DETAIL 8
DETAIL 2
DETAIL 3
DETAIL 8
ECA4-12
ECA4-17
ECA4-18
ERCP-013A EL 610 COL A11,P
ERCP-013B EL 610 COL A11,R
DETAIL 2
DETAIL 8
EJB-7 EL 610 COL A11,P
ERCP-013C EL 590 COL A10,P
ERCP-013D EL 590 COL A12,P
DETAIL 5
DETAIL 8
DETAIL 8
ECA4-16
ECA4-19
ECA4-20
480 V POWER RECEPTACLES SEE DETAILS ON DWG 5GW2740-ED-34

INSPECTED AND APPROVED FOR ISSUE

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

PRC APERTURE CARD

NO	ECN NO.	DATE	ORIG	DSGN	CHKD	SUPV	CHAR	NSED	SUBM	RECM	APPD
ORIG			R.C.T. Mapp								
DSGN			W.S. Wade								
CHKD			J.A. Ross								
SUPV			Dan Dalton								

DRFT
ENGINEER W.K. Allsbrooks

SCALE: EXCEPT AS NOTED

GENERAL
UNIT 2

SYSTEM SCHEMATIC
480V NORMAL AC
AUX POWER DISTRIBUTION SYSTEM

BELLEFONTE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

SUBMITTED	RECOMMENDED	APPROVED
W.K. Allsbrooks	Tod Spangler	R.M. Hodges

KNOXVILLE 12-12 79 | 88 E | 5GW2740-ED-19 RO

RECORD DRAWING AS CONSTRUCTED