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

480 V LV SWGR 2XA2
ELVS-18

COMPT C3
REF:
SCHEM DWG NO. 1245F04 DET H
CONNECTION DWG NO. 1245F74
10A
EFU2-49AB
EFU3-49AA
52-49A
INSPECTION
52a
52b
125V DC
LIGHT PWR
10A
CLOSES WHEN BKR CLOSES
TDC
52a
C34-7
C32-2
ECA4-50
ECA4-51
2IS-ECA2-859
3EAMS MPX
2IS-IMUX-295
LOCATED IN
2IX-IMXA-006
REF. 5GW0640-IS-01
3-07
48V DC
AM
A0274

480V MCC 2A4
EMCC-49

COMPT A1
REF: 5GW0747-RP-1
TYP 6INO
A
B
C
COMPT F2
REF: 5GW0747-RP-2
TYP SB03
FB14-9
EDJ6
FB1-1
5A
EFU1-498B
3A(TYP)
EFU2-49FA
EIL-49FA
EFU2-49FB
EIL-49FB
NON-AUTO
52NA-49F
SEAMS
UNIT ANN
DRA
TDDE
TC 5 SEC
EDJ5
FB14-N8
EDJ13
120VAC
FB3-1A
EDJ1
FB4-8A
FB4-N1
FB3-1
FB3-3
15A (TYP)
EFU2-498A
480-120V
EDS-498
ECP1-498
COMPT F1
REF: 5GW0747-RP-2
TYP SB04
COMPT F5
REF: 5GW0747-RP-2
TYP SB01/SB02
15A (TYP)
CKT BKR 1
CKT BKR 2
CKT BKR 3
CKT BKR 4
CKT BKR 5
CKT BKR 6
F2-1
F2-2
F2-3
F2-4
F2-5
F2-6
CKTS FOR FUSE COMPT REF. 5GW0747-RP-11
SEE-MCC CKT SCHEDULE FOR BKR ASSIGNMENTS
F2-N1
F2-N2
F2-N3
F2-N4
F2-N5
F2-N6
GROUNDED NEUTRAL BUS
50GS-498
GROUND RELAY GRN-FC
SEE ZONE F7
50GX-498
50GX
EDJ7
FB14-N8
COMPT H1
REF: 5GW0747-RP-2
TYP SB07
H1-8
H1-7
H1-9
H1-10
H1-11
H1-12
H1-17
H1-18
H1-13
H1-3
H1-1
5A
EFU1-498C
5A
EFU1-003
5A
EFU1-001
50GX
EDJ8
EDJ10
EDJ9
EDJ11
FB14-N9
52a
SHUNT TRIP
SEE ZONE G8
SEE ZONE H8
52-003
52-001
COMPT H3 (L)
REF: 5GW0747-RP-3
TYP 7TS1A
COMPT H4 (L)
REF: 5GW0747-RP-3
TYP 7TS1A
FOR SHUNT TRIP SEE ZONE E7
FOR SHUNT TRIP SEE ZONE E8
50GS-498
GROUND SENSOR
SEE ZONE E6

3EAMS MPX
2IS-IMUX-205
LOCATED IN
2IX-IMXA-002A
REF. 5GW0640-IS-01
AM
A0063
5-11
48V DC
2IS-ECA2-860
FB1-4
FB1-5
27-49B
FOR CKT DETAILS SEE DETAIL 9 5GW2740-ED-34
LOSS OF VOLTAGE ANNUNCIATION
FOR CKT DETAILS SEE DETAIL 11 5GW2740-ED-35
LOSS OF VOLTAGE OPERATIONS RECORDER
FB1-6
FB1-7
FB1-8
FB1-9
CONTACTS CLOSE FOR LOSS OF VOLTAGE CONDITION (TC 5 SEC)

ERCP-002D EL 625 AZ 17°
ERCP-002E EL 626 AZ 17°
ERCP-002B EL 649 AZ 49°
ERCP-002A EL 673 AZ 49°
DETAIL 8*
DETAIL 2*
DETAIL 4*
ECA4-56
ECA4-55
ECA4-54
ECA4-53
ECA4-52
3WD1
13WD1
23WD1
PRI CNTMT PEN 2NI-EPEN-037 EL 684 AZ 5°
COMPT J1
REF: 5GW0747-RP-3
TYP 7TP1A
DETAIL 7*
DETAIL 4*
ECA4-65
ECA4-66
ECA4-67
ERCP-033B EL 670 AZ 110°
ERCP-033A EL 666 AZ 94°
PRI CNTMT PEN 2NI-EPEN-033 EL 660 AZ 27°
480V PWR RECEPTACLES
* SEE DETAILS ON DWG 5GW2740-ED-34
COMPT J3
REF: 5GW0747-RP-3
TYP 7TP1A
EFU3-033A
250A
52-033
5A
EFU1-033A
2 OR 3 SPARE
EDJ14
EDJ15
FB14-N10
5065-033
120VAC
COMPT J5
REF: 5GW0747-RP-3
TYP 7TP1A
RP-3
50GS-062 GROUND SENSOR
52-002
EFU3-062A
250A
GRD RLY GRN-FC
5065-062
52a
120VAC
COMPT H1
REF. 5GW0747-RP-2
TYP SB07
ERCP-003A EL 689 AZ 185°
ERCP-003B EL 672 AZ 185°
ERCP-003C EL 623 AZ 187°
ERCP-001A EL 689 AZ 73°
ERCP-001B EL 672 AZ 73°
ERCP-001C EL 649 AZ 73°
ERCP-001D EL 623 AZ 73°
480V PWR RECEPTACLES
* SEE DETAILS ON DWG 5GW2740-ED-34

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

PRC APERTURE CARD

| NO | BY | DATE | CHKD | SUPV | ENGR | INSP | PLANS | RECM | APPD |
|---|---|---|---|---|---|---|---|---|---|
| 2 | SI | 7-7-80 | | | | | | | |
| CHANGED PEN. WIRE NUMBERS. | | | | | | | | | |
| 1 | SI | 9-25-79 | | | | | | | |
| PEN. SPLICE SYMBOL ADDED | | | | | | | | | |

DSGN B.E. Wright
DRWN W.S. Hudson
CHKD J.G. Stephens
SUPV W.H. Patton
INSP
ENGINEER W.L. Aldridge

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

N

| SUBMITTED | RECOMMENDED | APPROVED |
|---|---|---|
| W.L. Aldridge | | |

KNOXVILLE 3-2-79 | 88 | E | 5GW2740-ED-22 | R2

RECORD DRAWING AS CONSTRUCTED

INSPECTED AND APPROVED FOR ISSUE