480V LV SWGR 2XA1
ELVS-14

COMPT 04
REF:
# SCHEM DWG NO 1245F04 DET H
# CONNECTION DWG NO. 1245F70

10A EFU2-34AB
EFU3-34AA
-52-34A
AMPTECTOR
52a
52b
125V DC CONT PWR
10A
CLOSES WHEN BKR CLOSES
TOC
52a
D44-7
D42-2
2IS-ECA2-877
SEAMS MPX 2/3-IMUX-209 LOCATED IN 2IT-IMXT-002
48V DC
3-15
AM
AO251
REF 5GW0640-IS-01
ECA4-165
ECA4-166

480V MCC 2A2
EMCC-34

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

COMPT 01
REF: 5GW0747-RP-2
TYP SB06
GB14-3
EDJ4
GB1-1
5A EFU1-34BB
SEE ZONE D10
27-34B
27E-34B
27X-34BA
27X-34BB
27E
27X INTLK
BBC CKT I
BBC CKT II
SEAMS
ANN
ORA
TDE
TC 5 SEC
GB1-10
GB1-16
GB1-3
EDJ5
GB14-N6
SEE ZONE E11
GB84-1A
GB14-4A
EDJ5
GB14-N6
110VAC
65-1
65-2
EFU2-34B2
15A(TYP)
480-120V
ECPT-34B
ECB-34B
COMPT G5
REF 5GW0747-RP-2
TYP SB01/SB02

250V DC
GB1-11
GB1-17
27-34B
CKT I
CKT II
27E-34B TO 5 SEC
27E-34B TO 1 SEC
27X-34BB TO 5 SEC
BBC RESTART SIGNAL FROM GEN COOLING DECOMTIC (SPARE)
BBC RESTART SIGNAL FROM GEN COOLING DECOMTIC SEE (5GW2640-TC-46)

COMPT 03
REF 5GW0747-RP-2
TYP SB03
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
CKTS FOR FUSE COMPT REF 5GW0747-RP-11
SEE MCC CKT SCHEDULE FOR BKR ASSIGNMENTS
SEE ZONE F7
50GS-34B GROUND RELAY GRN-FC
90GX-34B
90GX
GROUNDED NEUTRAL BUS
G2-N1
G2-N2
G2-N3
G2-N4
G2-N5
G2-N6

COMPT L1
REF: 5GW0747-RP-2
TYP SB07
GB14-9
EDJ12
L1-1
5A EFU1-34BC
L1-8
L1-7
L1-6
L1-5
L1-4
L1-3
L1-2
L1-1
L1-9
L1-10
L1-11
L1-12
L1-13
52-019 SHUNT TRIP
52-020 SHUNT TRIP
L1-N
EDJ18
GB14-N8
SEE ZONE G8
SEE ZONE F8
5A EFU1-019
5A EFU1-020
50GX
EDJ14
EDJ16
52a
ST
SHUNT TRIP
L3-3
L3-4
EDJ15
EDJ17
GB14-N9
SEE ZONE E3
SEE ZONE D3
5A EFU1-34BD
GB1-12
GB1-13
TURB BLDG WALL SUPPLY FAN INTERLOCKS
GB8-2
GB9-2
2HVT-EAF1-9032E
EAF1-34B
GB8-1
GB9-1

3A(TYP)
EFU1-34FA
EFU1-34FB
EIL-34FA
EIL-34FB
NON-AUTO 52NA-34F

CONTACTS CLOSE FOR LOSS OF VOLTAGE CONDITION (TO 5 SEC)
27X-34BA
GB1-4
GB1-5
GB1-6
GB1-8
GB1-9
2IS-ECA2-878
3-03
48V DC
AM
AO214
SEAMS MPX 2/3-IMUX-309 LOCATED IN 2IT-IMXT-002
REF: 5GW0640-IS-01
LOSS OF VOLTAGE ANNUNCIATION
FOR CKT DETAILS SEE DETAIL 10 5GW2740-ED-34
LOSS OF VOLTAGE OPERATIONS RECORDER
FOR CKT DETAILS SEE DETAIL 12 5GW2740-ED-35

50GS-34B GROUND SENSOR SEE ZONE E8
COMPT L1
REF: 5GW0747-RP-2
TYP SB07
FOR SHUNT TRIP SEE ZONE E10
52-020
COMPT L3(R)
REF 5GW0747-RP-3
TYP 71S1A
FOR SHUNT TRIP SEE ZONE E10
52-019
COMPT L3 (L)
REF 5GW0747-RP-3
TYP 71S1A
T1
T2
T3
ECA4-164
ECA4-167
ECA4-172
ECA4-168
ECA4-173
ECA4-169
ECA4-170
ECA4-171
ECA4-174
DETAIL 1*
EJB-30 EL 629 COL T11C
DETAIL 4*
ERCP-020B EL 629 COL T11,F
DETAIL 7*
ERCP-020C EL 618 COL T8,A
DETAIL 8*
ERCP-020A EL 629 COL C11N
EJB-16 EL 649 COL T10,B
ERCP-019B EL 649 COL T10,B
ERCP-019A EL 673 COL T10,B
ERCP-019C EL 629 COL T10,B
ERCP-019D EL 604 COL T8,B
480V POWER RECEPTACLES
*SEE DETAILS ON DWG 5GW2740-ED-34

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

Doc # SP-438
Control # 8304050536
Date 3-25-83 of Document
REGULATORY DOCKET FILE

PRC APERTURE CARD

| REV | ECN NO. | DATE | DSGN | DRWN | CHKD | SUPV | ENGR | INSP | RLSD | RECD | APPD |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | DSGN | | | | | INSP | | | |
| | | | DRWN | | | | | ENGINEER | | | |
| | | | CHKD | | | | | | | | |
| | | | SUPV | | | | | | | | |

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. Abbott | | |

KNOXVILLE 4-18-79

00 E 5GW2740-ED-30 RO

RECORD DRAWING AS CONSTRUCTED

INSPECTED AND APPROVED FOR ISSUE

PRINT
SIZE D