480 V LV SWGR 1XB2
ELVS-21

COMPT C2

REF.
E SCHEM DWG NO. 1245F04 DET H
E CONNECTION DWG NO. 1245F15

10A
EFU2-52AB
EFU3-52AA
52-52A
AMPTECTOR
52a
52b
125V DC CONT PWR
10A
CLOSES WHEN BKR CLOSES
TOC
52a
C24-7
C22-8
BK
135-ECA2-857
856
SEAMS MPX
IIS-IMUX-1114
LOCATED IN
IIX-IMXA-1003
856
48V DC
REF: 5GW0640-IS-01
AM
A0326
ECA4-35
ECA4-36

480V MCC 183
EMCC-52

COMPT A1
REF 5GW0747-RP-1
TYP 6INO

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

COMPT H2
REF:5GW0747-RP-2
TYP SB03

HB14-9
EDJ4
HB1-1
5A
EFU1-528B
SEAMS
UNIT ANN
CAB
HB1-4
HB1-5
52a
TDDE
HB1-3
TC 5 SEC
HB14-M1
HB14-M4
EDJ1
EDJ2
120VAC
EDJ3
HB14-N8
COMPT H1
REF: 5GW0747-RP-2
TYP SB04
H2-N1
H2-N2
H2-N3
H2-N4
H2-N5
H2-N6
GROUNDED NEUTRAL BUS
15A(TYP)
EFU2-528A
480-120V
EDS-528
ECPT-528
COMPT H5
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
H2-1
H2-2
H2-3
H2-4
H2-5
H2-6
CKTS FOR FUSE COMPT REF 5GW0747-RP-11
SEE MCC CKT SCHEDULE FOR BKR ASSIGNMENTS

50GS-52B
GROUND RELAY GRN-FC
SEE ZONE F7
50GX
50GZ
COMPT G2
REF:5GW0747-RP-2
TYP SB07
HB14-9
EDJ6
G2-1
5A
EFU1-528C
G2-8
G2-7
G2-15
G2-9
G2-10
G2-11
G2-12
G2-17
G2-18
1-52-008 SHUNT TRIP
1-52-009 SHUNT TRIP
5A
EFU1-008
5A
EFU1-009
50GX
G2-8
EDJ8
G4-1
52a
ST
SHUNT TRIP
G4-3
EDJ9
HB14-N9
G4-4
EDJ11
HB14-N9
SEE ZONE H8
SEE ZONE F8

COMPT G1

COMPT J1
REF:5GW0747-RP-1
TYP CABLE BUS TIE
ECA4-46
ECA4-47
SECTION B
600A 3ø
SECTION A
600A 3ø

ACTS CLOSE FOR
LOSS OF VOLTAGE CONDITION (TC 5 SEC)
27-52B
HB1-4
HB1-5
BK
W
135-ECA2-858
48V DC
I-07
AM
A0083
SEAMS MPX
IIS-IMUX-1104
LOCATED IN
IIX-IMXA-004A
REF: 5GW0640-IS-01
HB1-6
HB1-7
135A-ECA2-126
0399 A
125V DC
SHLD GRD
AN
1120
UNIT ANN. TERM. CAB.
LOCATED IN
IIX-IX-0208
REF: 5GW1640-IA-01
HB1-8
HB1-9
LOSS OF VOLTAGE OPERATIONS RECORDER
FOR CKT DETAILS SEE DETAIL 11 5GW1740-ED-34

COMPT G2
REF:5GW0747-RP-2
TYP SB07
50GS-52B
GROUND SENSOR
SEE ZONE E6
FOR SHUNT TRIP
SEE ZONE E6
T1
T2
T3
52-009
COMPT G4 (R)
REF:5GW0747-RP-3
TYP 7TSIA
FOR SHUNT TRIP
SEE ZONE E7
52-008
COMPT G4 (L)

ECA4-37
ECA4-38
ECA4-39
ECA4-40
ECA4-41
ECA4-44
ECA4-45
ECA4-48
ERCP-009A
EL 629 COL A1,R
ERCP-009B
EL 610 COL A1,P
ERCP-009D
EL 590 COL A1,R
ERCP-009C
EL 590 COL A1,S
ERCP-009C
EL 649 COL A1,S
ERCP-009D
EL 649 COL A1,R
DETAIL 2*
DETAIL 1*
EJB-25
EL 649 COL A2,S
ERCP-008B
EL 669 COL A2,R
ERCP-008A
EL 686 COL A2,R
ERCP-008E
EL 669 COL A2,T
480V PWR RECEPTACLES
*SEE DETAIL ON DRG 5GW1740-ED-33
541

NOTES:
1. FOR GENERAL NOTES AND SYMBOLS SEE DWG 5GW1740-ED-01.

PRC APERTURE CARD
Docket # 50-438
Control # 8304050536
Date 3-25-83
REGULATORY DOCKET FILE

3	541,856,91		ADDED RECEPTACLE 008E AND CABLE 48, RELOCATED SEAMS POINT, REMOVED COL & EL.
2	151	12-2-79	MINOR CHANGES
1	151	4-26-79	CHANGED UNDERVOLTAGE TO LOSS OF VOLTAGE, ADDED REF DWG SH NO.,8 ADDED TIME DELAYING TO T.O. RLY.

NO.	ECN NO.	DATE	DRAWN	CHKD	SUPV	TRACED	CHKD	SUPV	ENGRD
3	5741	3-21-83	MLP						
2	5741	3-21-83	MLP						
1	5741	3-21-83	MLP						

DRAWN MLP 3-21-83 CHKD [illegible] SUPV [illegible]
INSP [illegible] ENGINEER [illegible]

SCALE: EXCEPT AS NOTED

GENERAL
UNIT 1

SYSTEM SCHEMATIC
480V NORMAL AC
AUX POWER DISTRIBUTION SYSTEM

BELLEFONTE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

N

SUBMITTED	RECOMMENDED	APPROVED
[illegible]	[illegible]	[illegible]
KNOXVILLE 4-16-78	88	E 5GW1740-ED-19 R3

INSPECTED AND APPROVED FOR ISSUE

POINT
SIZE