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

480V LV SWGR 2XA1
ELVS-14

COMPT D3
REF:
SCHEM DWG NO 1245F04 DET H
CONNECTION DWG NO 1245F70
10A
EFU2-33AB
EFU3-33AA
52-33A
52a
52b
AMPTECTOR
125V DC CONT PWR
10A
CLOSES WHEN BKR CLOSES
TOC
52a
034-7
032-2
213-ECA2-873
SEAM3 MPX
213-IMUX-209
LOCATED IN
211-IMXT-002
REF: 5GW0640-IS-01
48V DC
3-15
AM A0250
ECA4-144
ECA4-145
ECA4-146

480V MCC 2A1
EMCC-33

COMPT A1
REF: 5GW0747-RP-1
TYP 61NO
3A(TYP)
EFU2-33FA
EFU2-33FB
EIL-33FA
EIL-33FB
NON-AUTO
52NA-33F

COMPT G1
REF: 5GW0747-RP-2
TYP SB11
GB14-9
EDJ4
GB1-1
5A
EFU1-333B
27E INTLK
BBC CKT I
BBC CKT II
27
27X INTLK
27E
SEAM
MAN
SPA
TC 5 SEC
GB1-3
EDJ5
GB14-N8
EDJ3
GB14-M8
EDJ4
EDJ2
120VAC
GS-2
GS-1
EFU2-333A
480-120V
EDS-338
ECPT-338
15A(TYP)
COMPT G5
REF: 5GW0747-RP-2
TYP SB01/SB02

250V DC
GB1-11
27-338
27E-338 TO 1 SEC
CKT I
27X-338B TO 5 SEC
GB1-10
BBC RESTART SIGNAL FOR DECONTIC SEE (5GB2640-TC-16)
250V DC
GB1-17
27-338
27E-338 TO 1 SEC
CKT II
27X-338B TO 5 SEC
GB1-16
BBC RESTART SIGNAL FOR GEN COOLING DECONTIC SEE (5GB2640-TK-6)

COMPT G2
REF: 5GW0747-RP-2
TYP SB03
15A (TYP)
CKT BKR1
CKT BKR2
CKT BKR3
CKT BKR4
CKT BKR5
CKT BKR6
G2-1
G2-2
G2-3
G2-4
G2-5
G2-6
SEE MCC CKT SCHEDULE FOR BKR ASSIGNMENTS
CKT FOR FUSE COMPT REF 5GW0747-RP-11
G2-N1
G2-N2
G2-N3
G2-N4
G2-N5
G2-N6
GROUNDED NEUTRAL BUS

COMPT D1
REF: 5GW0747-RP-2
TYP SB07
GB14-3
EDJ12
D1-1
5A
EFU1-338C
50GS-338
GROUND RELAY GRN-FC1
SEE ZONE F7
50GX-338
50GX
52-D1B SHUNT TRIP
D1-8
D1-7
D1-15
D1-9
D1-10
D1-11
D1-12
D1-17
D1-18
5A
EFU1-D1B
50GX
D1-8
EDJ14
D3-1
52a
ST
SHUNT TRIP
D3-3
EDJ15
GB14-N9
SEE ZONE GB
D1-3
EDJ13
GB14-N8

A
B
C
CONTACTS CLOSE FOR LOSS OF VOLTAGE CONDITION (TC 5 SEC)
27X-338A
GB1-4
GB1-5
GB1-6
GB1-8
GB1-9
213-ECA2-874
10
11
12
48V DC
3-08
AM A0117
SEAM3 MPX
213-IMUX-207
LOCATED IN
211-IMXT-001
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-338
GROUND SENSOR SEE ZONE E8
COMPT D1
REF: 5GW0747-RP-2
TYP SB07
FOR SHUNT TRIP SEE ZONE E10
T1
T2
T3
52-01B
COMPT D3 (L)
REF: 5GW0747-RP-3
TYP 7TS1A
EC44-148
EC44-147
EC44-149
EC44-150
EC44-151
ERCP-01BA
EL 673, COL T7, 8
DETAIL 7*
DETAIL 1*
EJB-15
EL 649, COL T7.8
DETAIL 4*
ERCP-0198
EL 649, COL T7.A
DETAIL 4*
ERCP-018C
EL 629, COL T7.8
DETAIL 8*
ERCP-019D
EL 604, COL T7C
*SEE DETAILS ON DWG 5GW2740-ED-34
480V POWER RECEPTACLES

INSPECTED AND APPROVED FOR ISSUE

PRC APERTURE CARD
Docket # 82-438
Control # 830405036
Date 3-25-83 of Document
TVA ARCHIVE DOCKET FILE

REV NO.	ECN NO.	DATE	DSGN	DRWN	CHKD	SUPV	CHKD	INSP	PLANN	MECH	APPD
1	S1	7-21-83	RE Thomas								
	ADD CABLE NO. 144										

DSGN RE Thomas
DRWN
CHKD
SUPV
INSP
ENGINEER WK Allsbrooks
SCALE: EXCEPT AS NOTED

GENERAL
UNIT 2

SYSTEM SCHEMATIC
480 V NORMAL AC
AUX POWER DISTRIBUTION SYSTEM

BELLEFONTE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

N

SUBMITTED	RECOMMENDED	APPROVED
WK Allsbrooks		

KNOXVILLE 5-13-83 | 88 E | 5GW2740-ED-28 R1