5GW2740-ED-18 | 3 | 88

480 V LV SWGR 2XB2
ELVS-21

COMPT D4

REF.
E SCHEM DWG NO. 1245F04 DET H
E CONNECTION DWG NO. 1245F21

10A
EFU2-56AB

EFU3-56AA

52-36A

AMPTECTOR

52a

52b

125V DC CONT PWR

10A

CLOSES WHEN BKR CLOSES

TOC

52a

D44-7

D42-2

2IS-ECA2-853

SEAMS MPX
2IS-IMUX-203
LOCATED IN
2IX-II-010

48V DC

4-CM

AM | A1026

REF. 5GW0640-IS-01

ECA4-1
ECA4-2

480 V MCC SXF2
EMCC-56

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

SEAMS MPX
2IS-IMUX-203
LOCATED IN
2IX-II-010

REF. 5GW0640-IS-01

AM | A1022

48V DC

4-CM

2IS-ECA2-854

FOR CKT DETAILS SEE DETAIL 8 5GW1740-ED-33

LOSS OF VOLTAGE ANNUNCIATION

FOR CKT DETAILS SEE DETAIL 11 5GW2740-ED-35

LOSS OF VOLTAGE OPERATIONS RECORDER

FOR CKT DETAILS SEE DETAIL 13 5GW1740-ED-34

LOSS OF VOLTAGE ANNUNCIATION

E81-4 E81-5 E81-6 E81-7 E81-8 E81-9 E81-10 E81-11

27-36B

CONTACTS CLOSE FOR LOSS OF VOLTAGE CONDITION (TC 5 SEC)

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

3A(TYP)

EFU2-56FA

EFU2-56FB

E1L-56FA

E1L-56FB

NON-AUTO
52NA-56F

COMPT E2
REF. 5GW0747-RP-2
TYP SB03

E814-9

EDJ4

E81-1

5A
EFU1-56BB

52MX

ANN (UNIT 1)

ANN (UNIT 2)

TODE

TC 5 SEC

15A (TYP)

CKT BKR 1

CKT BKR 2

CKT BKR 3

CKT BKR 4

CKT BKR 5

CKT BKR 6

E2-1

E2-2

E2-3

E2-4

E2-5

E2-6

SEE MCC CKT SCHEDULE FOR BKR ASSIGNMENTS

CKT FOR GROUND RELAY (REF: 5GW0747-RP-1)

E2-N1

E2-N2

E2-N3

E2-N4

E2-N5

E2-N6

GROUNDED NEUTRAL BUS

COMPT E1
REF. 5GW0747-RP-2 *
TYP SB04

EDJ5

E614-N8

EDJ3

E814-N1

E5-2

E5-1

120VAC

COMPT E5
REF. 5GW0747-RP-2
TYP 3801/SB02

15A (TYP)

EFU2-56BA

480-120V

EDS-56B

ECPT-56B

E814-9

EDJ4

G1-1

5A
EFU1-56BC

5065-56B
GROUND RELAY GRM-FC

SEE ZONE F7

COMPT G1
REF: 5GW0747-RP-2
TYP SB07

5065-56B

50GX

EDJ7

E814-N8

G1-3

G1-8 G1-7 G1-9 G1-11 G1-17

52-01S SHUNT TRIP

52-01F SHUNT TRIP

52-01S SHUNT TRIP

G1-10 G1-12 G1-18

5A
EFU1-015

5A
EFU1-017

5A
EFU1-016

50GX

G1-8 G1-7 G1-15

EDJ8 EDJ10 EDJ12

G3-1 G3-6 G4-1

52a

SHUNT TRIP

G3-3 G3-4 G4-3

EDJ9 EDJ11 EDJ13

E814-N9 E814-N9 E814-N7

SEE ZONE H8

SEE ZONE F8

SEE ZONE G5

ERCP-016D
EL 610, COL C2, M

DETAIL 8*

ERCP-016C
EL 629 COL C2, M

DETAIL 8*

ERCP-016B
EL 649 COL C2, M

DETAIL 8*

ERCP-016A
EL 689 COL C6, M

DETAIL 8*

8-9
COL C2, M

DETAIL 5*

ECA4-112

ECA4-111

ECA4-110

ECA4-109

ECA4-108

480V PWR RECEPTACLES

*SEE DETAILS ON DWG 5GW2740-ED-34

FOR SHUNT TRIP SEE ZONE E8

T1 T2 T3

52-01G

COMPT G4 (L)
REF: 5GW0747-RP-3
TYP 7TSIA

COMPT G1
REF: 5GW0747-RP-2
TYP SB07

5065-56B
GROUND SENSOR
SEE ZONE E8

FOR SHUNT TRIP SEE ZONE E8

T1 T2 T3

52-01F

COMPT G3 (R)
REF. 5GW0747-RP-3
TYP 7TSIA

FOR SHUNT TRIP SEE ZONE E7

T1 T2 T3

52-01S

COMPT G3 (L)
REF: 5GW0747-RP-3
TYP 7TSIA

ECA4-3 ECA4-4 ECA4-5 ECA4-6

DETAIL 1*

EJB-10
EL 610 COL C10, M

DETAIL 8*

ERCP-017B
EL 610 COL C10, M

DETAIL 2*

ERCP-017A
EL 610 COL C6, M

DETAIL 8*

ERCP-017C
EL 583 COL C7, M

ERCP-015D
EL 629 COL A7, S

DETAIL 8*

ECA4-103 ECA4-104 ECA4-105 ECA4-106 ECA4-107

DETAIL 1*

EJB-26
EL 649 COL A7, S

DETAIL 4*

ERCP-015C
EL 649 COL A7, S

DETAIL 4*

ERCP-015B
EL 669 COL A7, S

DETAIL 7*

ERCP-015A
EL 686 COL A7, S

480V PWR RECEPTACLES

*SEE DETAILS ON DWG 5GW2740-ED-34

INSPECTED AND APPROVED FOR ISSUE

Docket # 50-438
Control # 8306150536
Date 5-25-83 of Document
REGULATORY DOCKET FILE

PRC APERTURE CARD

NO	ECN NO	DATE	DSGN	DRFT	CHKD	SUPV	ENGR	INSP	RVWR	RECV	APPD
1	S1	5 23 19									

CHANGE ROUTING OF CABLE NO. 6

DSGN
DRFT
CHKD
SUPV

INSP
ENGINEER

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.K. Allsbrook		

KNOXVILLE 2-23-79

88 E 5GW2740-ED-18 R1

RECORD DRAWING AS CONSTRUCTED