COMPT E2
REF:
E SCHEM DWG NO. 1245F04 DET B
E CONNECTION DWG NO. 1248F90

10A
EFU2-70AB-B
EFU3-70AA-B
52-70A-B
INSPECTION
52a
52b
LOSS OF VOLT COIL
10A
CLOSES WHEN BKR CLOSES
TCC2
52a
E24-7
EE2-2
ECA4-129-B
ECA4-130-B
480V LV SWGR 2EX1-B
EEVS-28-B

BACK PNL, GB
ERLY
3 4
5 6
7 8
9 10
11 12
13 14
REF. 5GWO747-RP-2
TYP SCOI

SPECIFIED CONTACT ASSIGNMENTS FOR MOV OVERLOAD BY-PASS WHEN APPLICABLE (SEE NOTE 2)

UNIT W/ SWITCH	TERM NO.	MOV UNITS
ERLY-708A-B	GB8-1, GB8-2	
	GB8-3, GB8-4	2CA1-1FCV-1054-B
	GB8-5, GB8-6	2CA1-1FCV-1091-B
	GB8-7, GB8-8	
	GB8-9, GB8-10	SI
	GB8-11, GB8-12	2CA1-1FCV-063-B
	GB8-13, GB8-14	SEAMS
ERLY-708H-B	GB9-1, GB9-2	
	GB9-3, GB9-4	2KI1-1FCV-1048-B
	GB9-5, GB9-6	2KI1-1FCV-1093-B
	GB9-7, GB9-8	2NI1-1FCV-1073-B
	GB9-9, GB9-10	2NI1-1FCV-1074-B
	GB9-11, GB9-12	2NA1-1FCV-1409-B
	GB9-13, GB9-14	SEAMS
ERLY-708J-B	GB10-1, GB10-2	SI
	GB10-3, GB10-4	2SM1-1FCV-1040-B
	GB10-5, GB10-6	2WI1-1FCV-1011-B
	GB10-7, GB10-8	2WI1-1FCV-1099-B
	GB10-9, GB10-10	2WI1-1FCV-1090-B
	GB10-11, GB10-12	
	GB10-13, GB10-14	SEAMS
ERLY-708K-B	GB11-1, GB11-2	
	GB11-3, GB11-4	2NL-1FCV-082-B
	GB11-5, GB11-6	1372
	GB11-7, GB11-8	
	GB11-9, GB11-10	
	GB11-11, GB11-12	
	GB11-13, GB11-14	SEAMS

TABLE I

SEAMS ISOLATOR
EIX-ISOLEQA4-B
LOCATED IN CAB.
2IX-IMEA-0018-B
REF. 5GWO640-IS-01

480V MCC 2E5-B
EMCC-70-B

NOTES:
1 FOR GENERAL NOTES AND SYMBOLS SEE DWG SQN2740-EI-01.
2 TABLE I RESERVES RELAY CONTACTS FOR THE MOV OVERLOAD BYPASS FUNCTION SEE DRAWING 2GWO900-IL-01 FOR LIST OF MOV OVERLOADS BYPASSED.

COMPT A1
REF. 5GWO747-RP-1
TYP 61NO
3A (TYP)
EFU1-70FA-B
EFU1-70FB-B
EIL-70FA-B
EIL-70FB-B
NON-AUTO 52NA-70F-B

COMPT G1
REF:5GWO747-RP-2
TYP 5804/5808
GB14-9
EIJ14
GB1-1
EFU1-70BD-B
10A
GB14-7
ESFAS SIGNAL SEE DETAIL 6 (5GW 740-EI-17)
EFU1-70BB-B
5A
EFU1-70BC-B
27-70BA-B
TDDE
TC 5 SEC
GB1-3
EIJ5
GB14-N9
120VAC
SEE TABLE I FOR CONTACT ASSIGNMENTS OF OVERLOAD BY-PASS RELAYS
GB8-1
GB9-1
GB10-1
GB11-1
EIJ7
EIJ9
EIJ11
ERLY-708G-B
ERLY-708H-B
ERLY-708J-B
ERLY-708K-B
GB8-2
GB9-2
GB10-2
GB11-2
EIJ6
EIJ8
EIJ10
EIJ12
GB14-N9
15A(TYP)
EFU2-708A-B
480-120V
EDS-708-B
ECPT-708-B
COMPT G5
REF: 5GWO747-RP-2
TYP 5801/5802

COMPT G2
REF: 5GWO747-RP-2
TYP 5803
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. 5GWO747-RP-11
SEE MCC CKT SCHEDULE FOR BKR ASSIGNMENTS
G2-N1
G2-N2
G2-N3
G2-N4
G2-N5
G2-N6
GROUNDED NEUTRAL BUS

ESF MOV BYPASS INDICATION
GB8-13
ERLY-708G-B
GB8-14
EIJ13
GB9-13
ERLY-708H-B
GB8-14
EIJ14
GB10-13
ERLY-708J-B
GB10-14
EIJ15
GB11-13
ERLY-708K-B
GB11-14
EIJ16
EIJ17
GB14-15
GB14-16

CONTACTS CLOSE FOR LOSS OF VOLTAGE CONDITION (TC 5 SEC)
27-70BA-B
GB1-4
GB1-5
27-70BA-B
GB1-6
GB1-7
27-70BA-B
GB1-8
GB1-9
EIJ3-ECA2-723-B
EIJ3-ECA2-N7-B
EIS-ECA2-724-B
48V DC
MON
MO332
MO958
BOP ISOLATOR
EIX-ISOL-256-B
SEAMS ISOLATOR
EIS-ISOL-806-B
LOCATED IN CAB.
EIX-IMXA-0048-B
REF: 5GWO640-IS-01
SEE 5GWO640IA-01
AN
1240
LOSS OF VOLTAGE OPERATIONS RECORDER
FOR CIRCUIT DETAILS SEE DETAIL 4 SQN2740-EI-17

PRC APERTURE CARD

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

REV	DESCRIPTION	DATE
2	1372, 91 ADDED IPCV DWG TO TABLE I. CHANGED ENOT TO IPCV IN TABLE I.	6-23-92
1	91 ADDED BOP ISOLATOR TERMINAL NUMBERS.	6-19-79

DESIGNED
DRAWN
TRACED
CHECKED
SUPV
UNIT
GENERAL
UNIT 2

SCALE: EXCEPT AS NOTED

SYSTEM SCHEMATIC
480V CLASS 1E AC
AUX POWER DISTRIBUTION SYSTEM

REVIEWED
RC (CIVIL) N/A
RE (ELEC)
RM (MECH) N/A

INSPECTED AND APPROVED FOR ISSUE

BELLEFONTE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

Q

SUBMITTED
APPROVED
APPROVED

KNOXVILLE 12-30-79

SQN2740-EI-16 R2