1 2 3 4 5 6 7 8 9 10 11 12

A B C D E F G

STANDBY SUPPLY FROM DIESEL GENERATOR 1A-A (5GW1740-RT-06)

FROM DIESEL GENERATOR 1A-A DIFF CT

CONTINUED FROM DWG (5GW1740-EG-10)

TYP OF 8D 1ETI-A DIFF CT IN PANELS A,B,C,D,E,F,G,H,A,R,S,T,U,V (SEE ITE DWGS 808564 THRU 808567)

1ETI-A 8D VOLTAGE TO WHM IN PANELS C,D,E,H,G,R,S,U,V (SEE ITE DWGS 808564 THRU 808567)

TO DIESEL SYNCHRONIZING CKT

CONTINUED FROM DWG (5GW1740-EG-10)

DETAIL G

NOTES:
1. FOR GENERAL NOTES AND REFERENCE DRAWINGS SEE 5GW1740-EG-01.
2. FOR EXTERNAL CABLING DIAGRAM SEE SYSTEM SCHEMATIC 5GW1740-EG-02 AND 5GW1740-EG-03
3. REMOVAL OF THE Cd RELAY WILL DISABLE OPERATION OF THE Ad & Bd RELAYS IN THIS CIRCUIT. 1146

SYMBOLS:
FOR GENERAL SYMBOLS SEE 5GW1740-EG-01.
■ - SWGR INTERFACE

6.9 KV BD 1ETI-A DIESEL GENERATOR FEEDER AC SCHEMATIC

SEAMS DETAIL E

HOLD- TO BE RELEASED UNDER ECN 951

DETAIL H

6.9 KV BD 1ETI-A BUS AC SCHEMATIC

MAIN BUS VOLTAGE

6.9 KV BD 1ETI-A DIESEL GENERATOR FEEDER DC SCHEMATIC

125V DC CONTROL POWER

SEE NOTE 13

ALT SUP VOLTAGE

MAIN BUS RESID VOLTAGE

MAIN BUS VOLTAGE

MAIN BUS VOLTAGE (ANN)

NOR SUP VOLTAGE

NOT USED

SEAMS DETAIL F

HOLD- TO BE RELEASED UNDER ECN 951

6.9 KV SWGR 1ETI-A BUS DC SCHEMATIC

ANN DETAIL (OPERATIONS RECORDER)

PRINTS REQD-R

DWG	SIZE
ME	3
RK	
CH	
AD	
CO	
MO	
ST	
EN	
EL	
PA	

APERTURE CARD

Docket # 50-438
Control # 8202080064
Date 820202 of Document
REGULATORY DOCKET FILE

S	SI, 1146	5-7-81	RS	RS	RS	JLS	JLS	MM	MM
	ADDED 27VX-162C-A RLY & ADDITIONAL CONN TO SSCS CAB.CHG WIR FOR 27 & 59 RLY.								
4	773, 467	12-11-79	RS	RS	RS	JLS	JLS	MM	MM
	ADDED 628F TARGET CONN., CHANGED 27X RELAY TO TDE.								
3	467, 657, SI, 1341	5-18-79	RS	RS	RS	JLS	JLS	MM	MM
	INCORPORATED THE NEW AND MODIFIED DESIGN REQUIREMENTS FOR BUS XFR AND VOLTAGE ANN RY., REPLACED ACTO FUSE TYPE AND SIZE TO INSURE ADEQUATE FAULT CLEARING, AND MINOR CHANGES. FIELD REVERSE CB AUX CONTACT.								
2	SI	1-31-79	RS	RS	RS	JLS	JLS	MM	MM
	MINOR CHANGES.								
1	341, SI	7-17-78	RS	RS	RS	JLS	JLS	MM	MM
	IMPLEMENTED ANTICIPATORY RLY SCHEME PER ECN 341. MINOR REVISIONS PER SI.								

REV NO.	ECN NO.	DATE	DSGN	DRWN	CHKD	SUPV	ENGR	INSP	SUBM	RECM	APPR
									RE	RC	RM

DSGN D.M.LARKEY / G.S.McINTOSH
DRWN L.A.EPPS / J.W. JACKSON
CHKD L.D.DIESLER
SUPV S.R.DONESKER
INSP
ENGINEER W.L.Ledbetter

GENERAL
UNIT 1

SYSTEM SCHEMATIC 6.9KV CLASS 1E AC AUX PWR DISTRIBUTION SYSTEM

BELLEFONTE NUCLEAR PLANT
TENNESSEE VALLEY AUTHORITY
DIVISION OF ENGINEERING DESIGN

Q

SUBMITTED	RECOMMENDED	APPROVED
W.L.Ledbetter	L.D.Spencer	R.M.Hodges

KNOXVILLE 11-29-77

88 | E | 5GW1740-EG-11 | R5

RECORD DRAWING AS CONSTRUCTED