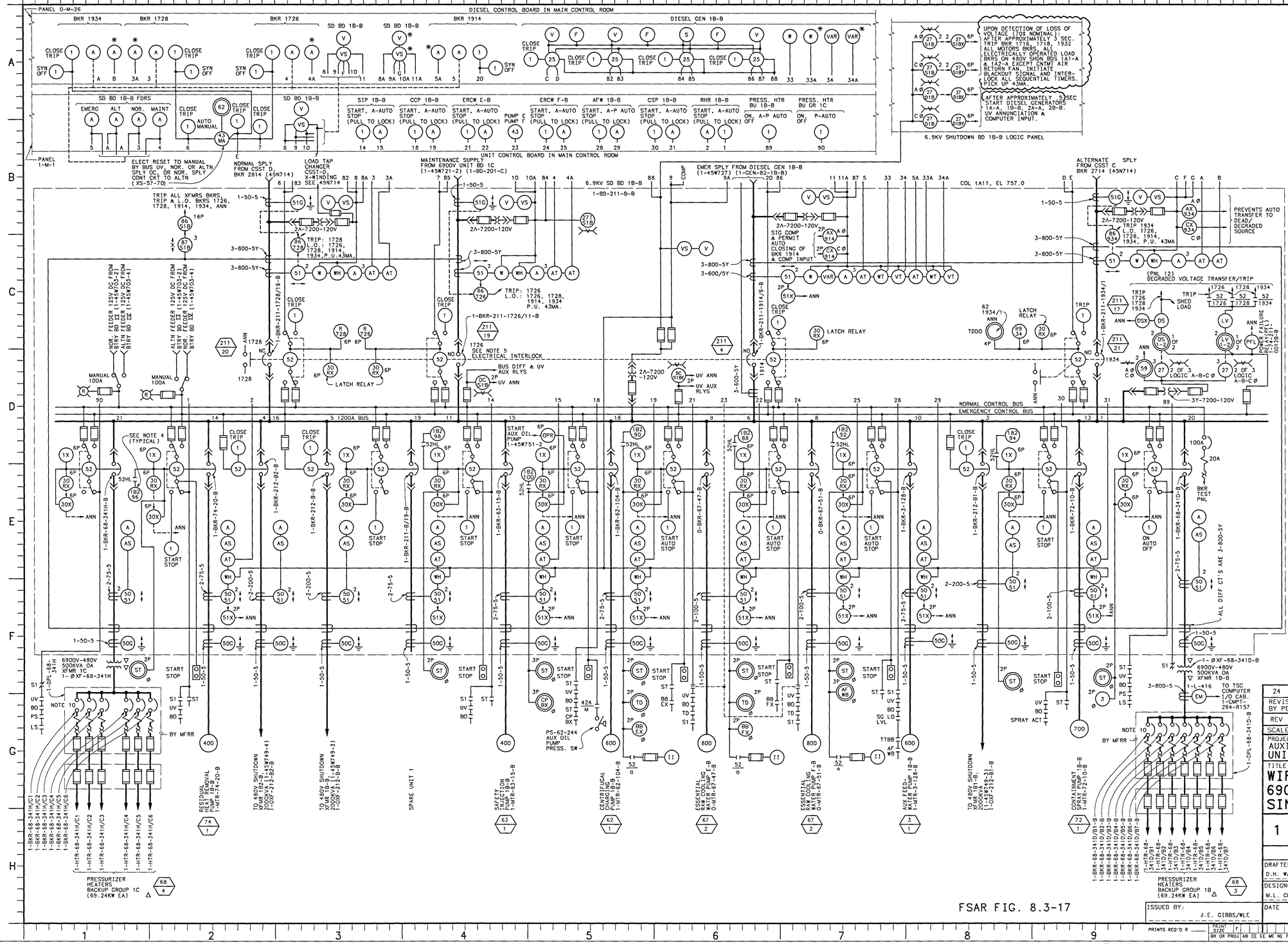

NOTES:

1. ALL BREAKERS ARE RATED 6.9KV, 1200 AMP, NOMINAL 3 Ø MVA CLASS -500, 39,500 AMP-RMS SYMMETRICAL INTERRUPT RATING AT 6.9KV.
2. AUTOMATIC OPEN-CIRCUIT FAST TRANSFER FROM NORMAL TO ALTERNATE COMMON STATION SERVICE TRANSFORMER INITIATED BY ANY TRANSFORMER OR LINE FAILURE RELAY SUCH AS FAULT PRESSURE, TRANSFORMER OVERCURRENT, GROUND CURRENT, LINE PROTECTION OR DIFFERENTIAL RELAYS (VIA 86TT DWG 1-75W502). LOSS OF VOLTAGE & DEGRADED OFFSITE (NORMAL OR ALTERNATE) SOURCE OF ACTUATION OF CSST TRANSFORMER C OR D RESULT IN A TRANSFER TO THE STANDBY DIESEL GENERATOR THROUGH LOAD SHEDDING AND SEQUENCING. FOR DETAILED DESCRIPTION OF THE TRANSFER SCHEME, SEE DESIGN CRITERIA WB-DC-30-28.
3.
4. TYPICAL STATUS MONITOR PHOTOISOLATOR EQUIPMENT DESIGNATION:
   A ----- MULTIPLEXER NUMBER
   B ----- MULTIPLEXER INPUT POINT NUMBER
   C ----- TOTAL NUMBER REQUIRED (WHEN MORE THAN ONE)
5. THE MAINTENANCE SUPPLY IS A NON-QUALIFIED POWER SOURCE AND WILL BE ADMINISTRATIVELY CONTROLLED IN THE "NORMALLY OPEN" POSITION. TRANSFER FROM THIS SOURCE TO ANY OTHER SOURCE WILL BE MANUAL.
7. THE SETPOINT FOR THE DEGRADED VOLTAGE RELAYS MAY BE DECREASED WHEN THE BOARD IS BEING SUPPLIED POWER VIA THE MAINTENANCE SUPPLY. THE CHANGE IN SETPOINT WILL BE ACCOMPLISHED BY LOWERING THE TAPS ON THE DEGRADED VOLTAGE RELAYS BY ONE SETTING. THIS IS CORRECTIVE ACTION FOR II-W-92-009.
8. SOME CIDS ON THIS DRAWING HAVE BEEN CHANGED AND MAY DIFFER FROM THE CIDS SHOWN ON OTHER DOCUMENTS FOR THE SAME COMPONENT. THE ALTERNATE ID SCREEN (AII) IN EMS CAN BE ACCESSED AS NECESSARY TO DETERMINE IF PREVIOUS CIDS EXISTED FOR A SPECIFIC COMPONENT.
9. THE MAINTENANCE SUPPLY SHALL ONLY BE USED IN MODES 5 AND 6.
10. BREAKERS IN 480VAC PRESSURIZER HEATER DISTRIBUTION PANELS ARE MOLDED CASE 400A FRAME, THERMAL-MAGNETIC TRIP WITH INTEGRAL 225A CURRENT-LIMITING FUSES, 125A TRIP AMERICAN CIRCUIT BREAKER TYPE XJL434125 WITH ADJUSTABLE MAGNETIC TRIP SET AT 625A OR 100A TRIP FEDERAL PACIFIC TYPE XJL632100 WITH ADJUSTABLE MAGNETIC TRIP SET AT 625A.

REFERENCE DRAWINGS:
KEY DIAGRAM ---------- 15E500-2
SCHEMATIC DIAGRAMS ---------- 1-45W760-S-D (SEE SYMBOLS)
EXTERNAL CONNECTION DIAGRAMS ---------- 45W1724 SERIES
INTERNAL CONNECTIONS DIAGRAMS:
SEE TVA CONTRACT (74C2-84376).

SYMBOLS:
Ø --- EQUIPMENT LOCATED ON 6.9KV SD BD LOGIC RELAY PANEL 1B-B
✱ --- EQUIPMENT LOCATED ON A STATUS INDICATING BOARD IN THE AUXILIARY CONTROL ROOM.
△ --- EQUIPMENT NOT SAFETY RELATED
S --- SYSTEM NUMBER OF EQUIPMENT
D --- SHEET NUMBER OF SCHEMATIC IN SERIES 1-45W760

REV	CHANGE REF	PREPARER	CHECKER	APPROVED	DATE
24	ADMIN	ESJ	GJB	JHa	9-16-08

REVISED BY ADMIN TO CORRECT DRAWING DISCREPANCIES IDENTIFIED BY PER 149063 (T71 080915 803).

SCALE: NTS — EXCEPT AS NOTED

PROJECT FACILITY
AUXILIARY BUILDING
UNITS 1 & 2

TITLE
WIRING DIAGRAMS 6900V SHUTDOWN BOARD 1B-B SINGLE LINE

1 — WATTS BAR NUCLEAR PLANT, TENNESSEE VALLEY AUTHORITY — Q

DESIGN		INITIAL ISSUE	ENGINEERING APPROVAL
DRAFTER D.H. WANG	CHECKER J.D. MOYERS	RQ ISSUE PER WBEP 5.17 & RIMS B26 '90 0829 377	1 C.H. SUDDUTH
DESIGNER M.L. CHAPMAN	REVIEWER S.M. GALLAGHER		2 S.J. HUNTER
			3 C.C. LYKE/MCB

ISSUED BY: J.E. GIBBS/WLE

DATE 9-21-90 | 85 | E | 1-45W724-2 | R24

PRINTS REQ'D R ___ PRINT SIZE F BR OR PROJ AB CE EE ME NE FE HE SE TE BL BF WB SQ — PRINT SIZE H BR OR PROJ AB CE EE ME NE FE HE SE TE BL BF WB SQ

FSAR FIG. 8.3-17

CAD MAINTAINED DRAWING

CONFIGURATION CONTROL DRAWING