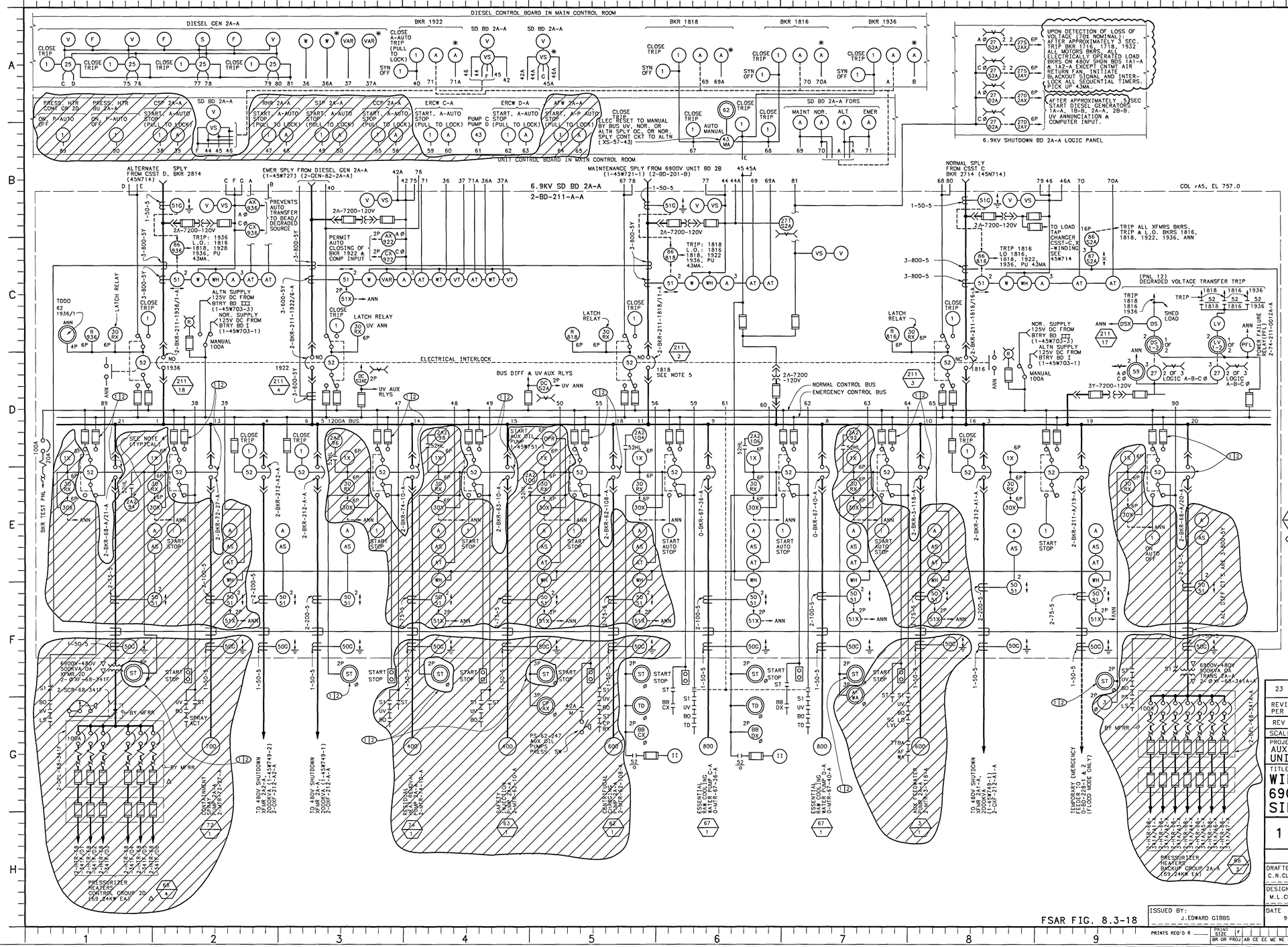

NOTES:

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/B) 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.
6. BREAKERS IN PANELS 10,13,14,15,18,20, & 21 WILL BE LOWERED TO THE FLOOR (RACKED-OUT) AND HAVE SEISMIC RESTRAINTS INSTALLED OR REMOVE FROM SHUTDOWN BD RM AND STORE IN POWER STORES ROOM OR THE ELECTRIC SHOP. CONTROL POWER FUSES FOR THESE BREAKERS WILL BE REMOVED EXCEPT WHEN BREAKER IS IN THE TEST POSITION. TIMER RELAY (51) ASSOCIATED WITH DC LOADING SEQUENCER WILL MAVE THE WIRE LIFTED. ALL PROTECTIVE RELAYS ASSOCIATED WITH EACH BREAKER SHALL BE CALIBRATED AND FUNCTIONALLY TESTED BEFORE EACH BREAKER IS RACKED-IN.
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 (A11) 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.

REFERENCE DRAWINGS:
KEY DIAGRAM ---------- 1-15E500-2
SCHEMATIC DIAGRAMS ---------- 1-45W760-5-D (SEE SYMBOLS)
EXTERNAL CONNECTION DIAGRAMS ------ 45W2724 SERIES
INTERNAL CONNECTIONS DIAGRAMS:
SEE TVA CONTRACT (74C2-84376)

SYMBOLS:
Ø --- EQUIPMENT LOCATED ON 6.9KV SD BD LOGIC RELAY PANEL 2A-A
✱ --- 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
(1 2) - DENOTES UNIT 1/UNIT 2 INTERFACE.

THIS CONFIGURATION CONTROL DRAWING SUPERSEDES UNIT 1 AS-CONSTRUCTED DRAWING 45W724-3 REVISION W.

REV	CHANGE REF	PREPARER	CHECKER	APPROVED	DATE
23	ADMIN	ESJ	GJB	JWG	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 2A-A SINGLE LINE

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

DESIGN		INITIAL ISSUE	ENGINEERING APPROVAL
DRAFTER C.N.CLABOUGH	CHECKER K.PHILLIPS	RO ISSUE PER WBEP 5.17 & RIMS B26 '90 0829 377	1 C.H.SUDDUTH
DESIGNER M.L.CHAPMAN	REVIEWER D.F.FAULKNER		2 S.J.HUNTER
			3 C.C.LYKE FOR MCB

ISSUED BY: J.EDWARD GIBBS — DATE 9-22-90 — 85 E — 1-45W724-3 — R23

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 M BR OR PROJ AB CE EE ME NE FE HE SE TE BL BF WB SQ

FSAR FIG. 8.3-18

CAD MAINTAINED DRAWING

CONFIGURATION CONTROL DRAWING