



- NOTES:
1. DIESEL DISTRIBUTION PANEL BREAKERS ARE 100A FRAME.
 2. THE ADDITIONAL DC BLDG DIST PNL'S AND THE DG BLDG PNL'S ARE SHOWN WITH THE SPARE DIESEL (C-S) SUBSTITUTED FOR DIESEL GENERATOR 1A-A.
 3. DIESEL GENERATOR RATING: 6900V, 3 PHASE, 60 HZ, 900 RPM, 0.8 PF. BASE RATING: 4400 KW, 5500 KVA. EMER STANDBY (2000 HRS)-4730 KW, 5938 KVA. SHORT TIME (1/2 HR) 5000 KW, 6250 KVA.
 4. FOUR SETS OF CABLES ARE PROVIDED FOR CONTROL AND ANNUNCIATION FROM THE ADDITIONAL DC BLDG. ONE SET FOR EACH OF THE FOUR DIESELS. PLUGS SHOULD BE DISCONNECTED AND CAPPED WHEN DIESEL GEN C-S IS NOT IN USE.
 5. TWO SETS OF INTERFACING RECEPTACLES ARE PROVIDED FOR EACH OF THE DIESEL GENERATORS FOR INTERFACE SELECTION. SEE 1-45W727 FOR NORMAL DIESEL GEN CONFIGURATION.
 6. METER RELAY CONTACT CLOSING WHEN CURRENT FLOW FROM THE BATTERY EXCEEDS THE METER RELAY SETPOINT TO BE SET BY FIELD.
 7. METER RELAY CONTACT CLOSING WHEN VOLTAGE EXCEEDS SETPOINT IN EITHER DIRECTION FROM ZERO SETPOINT TO BE SET BY FIELD.
 8. AN EMERGENCY START SIGNAL AUTOMATICALLY DISCONNECTS THE MANUAL VOLTAGE CONTROLLER AND TRANSFERS TO THE AUTOMATIC CONTROLLER.
 9. THE FUSE INFORMATION FOR CLASS 1E FUSES OR FUSES USED TO PROTECT ELECTRICAL PENETRATIONS SHOWN IN THIS DRAWING SERIES, OR AS GIVEN FOR THESE CIRCUITS IN VENDOR CONTRACT DRAWINGS REFERENCED IN THIS DRAWING SERIES IS FOR INFORMATION ONLY. REFER TO THE MASTER FUSE REPORT, DRAWING SERIES 458000, FOR CONFIGURATION CONTROLLED FUSE INFORMATION. OTHERWISE, FOR THOSE FUSES NOT LISTED IN THE MASTER FUSE REPORT, THESE DRAWINGS WILL REMAIN THE CONTROLLING DOCUMENT.

SYMBOLS:
 (12) --- DENOTES UNIT 1/UNIT 2 INTERFACE POINTS (SAFETY-RELATED)

REFERENCE DRAWINGS:
 1-45W760-82-1 SERIES-----SCHEMATIC DIAGRAMS

THIS CONFIGURATION CONTROL DRAWING SUPERSEDES UNIT 1 AS-CONSTRUCTED DRAWING 45W728-1 REVISION C.

10	53329	ESJ	GJB	JKA	10/06/09
REVISED PER DCA 53329-03-0.					
REV	CHANGE REF	PREPARER	CHECKER	APPROVED	DATE
				EXCEPT AS NOTED	
SCALE: NTS					
PROJECT FACILITY					
ADDITIONAL DIESEL GENERATOR BLDG					
UNITS 1 & 2					
TITLE					
WIRING DIAGRAMS					
6900V DIESEL GENERATORS C-S					
SINGLE LINE					
1	WATTS BAR NUCLEAR PLANT				Q
				TENNESSEE VALLEY AUTHORITY	
DESIGN		INITIAL ISSUE		ENGINEERING APPROVAL	
DRAFTER	CHECKER	RO ISSUE PER			
D. L. WANG	G. J. BARFIELD	WBEP 5.17 & RIMS	1 C. H. SUDDUTH		
DESIGNER	REVIEWER	B26 '90 0829 379	2 S. J. HUNTER		
M. L. CHAPMAN	D. F. FAULKNER		3 C. C. LYKE FOR MCB		
DATE	85 E	1-45W728-1		R10	
ISSUED BY: J. EDWARD GIBBS					

FSAR FIG 8.3-24A