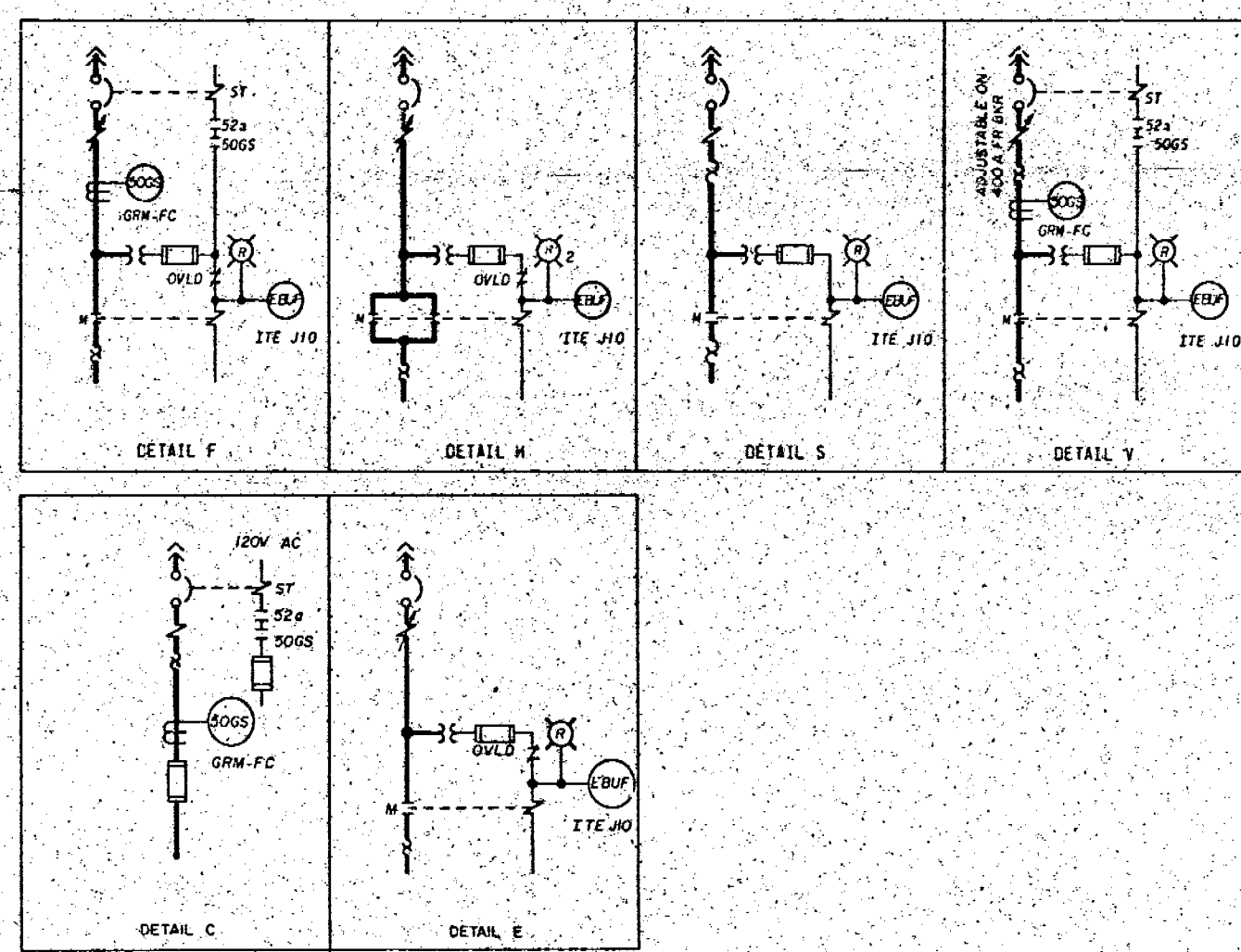
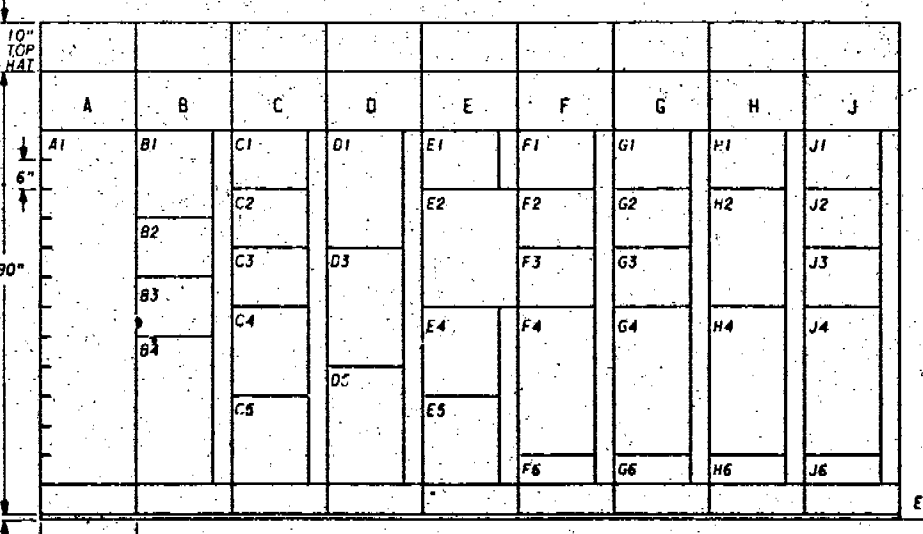
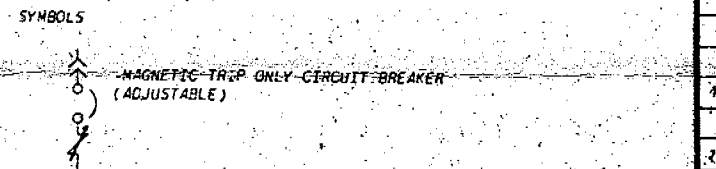


COMPT NO	LOAD	UNID	DETAIL	LOAD SIZE	SCH DWG REFERENCE
A1	MAIN BREAKER	1E1-S2NA-64F-A	SEE KEY DTAG		
B1	DSL GEN BLDG LTG CAB.	1E1-ELT-005	C	7.5 KVA	5GW1747-EN-01
B2	FUTURE - 12 INCH	1E1-			
B3	SPARE	1E1	S		
B4	SPARE	1E1	F		
C1	ERCW SUPPLY HDR A TO DSL GEN 1A-A HX MOV	1KE-IFCV-338-A	H	Q13 HP	5GW1740-KE-18
C2	SPARE	1E1	E		
C3	SPARE	1E1	E		
C4	SPARE	1E1	C		
C5	FUTURE - 19 INCH	1E1			
D1	DSL GEN 001-A STARTING AIR CPSSR 002-A	1RG-EMOT-009-A	E	30 HP	5GW1740-RG-02
D3	DSL GEN 001-A LUBE OIL HTR	1RT-ENTR-011-A	V	48 KW	5GW1740-RT-02
D5	FUTURE - 24 INCH	1E1			
E1	MCC LOSS OF VOLTAGE RLY		SEE KEY DTAG		
E2	120V-1P-CKT BKR COMPT.		SEE KEY DTAG		
E4	FUSE COMPT		SEE KEY DTAG		
E5	MCC CONTROL TRANSFORMER AND DISCONNECT SWITCH		SEE KEY DTAG		
F1	DSL GEN 001-A JACKET WATER KEETWEM PUMP	1RT-EMOT-005-A	E	15 HP	5GW1740-RT-02
F2	DSL GEN 001-A SPACE HTR	1RT-ENTR-009-A	S	8 KW	5GW1740-RT-05
F3	DSL GEN BLDG ELEC BD RM EXH FAN	1VG-EMOT-005-A	E	7.5 HP	5GW1740-VG-04
F4	DSL GEN EXH FAN 1A1	1VG-EMOT-001-A	F	100 HP	5GW1740-VG-02
F6	FUTURE - 6 INCH	1E1			
G1	DSL GEN FUEL OIL DRIP RETURN PUMP 1A	1FF-EMOT-013-A	E	1 HP	5GW1740-FF-03
G2	DSL GEN 001-A LUBE OIL KEETWEM PUMP	1RT-EMOT-007-A	E	15 HP	5GW1740-RT-02
G3	DSL DAY TANK FUEL TRANS PUMP 1A1	1FF-EMOT-007-A	E	2 HP	5GW1740-FF-02
G4	DSL GEN EXH FAN 1A2	1VG-EMOT-002-A	F	100 HP	5GW1740-VG-02
H6	FUTURE - 6 INCH	1E1			
H1	DSL DAY TANK FUEL TRANS PUMP 1A2	1FF-EMOT-008-A	E	2 HP	5GW1740-FF-02
H2	DSL GEN 001-A STARTING AIR CPSSR 010-A	1RG-EMOT-010-A	E	30 HP	5GW1740-RG-02
H4	DSL GEN 001-A JACKET WATER HEATER	1RT-ENTR-013-A	V	7.5 KW	5GW1740-RT-02
H6	FUTURE - 6 INCH	1E1			
J1	DSL GEN 001-A STARTING AIR CPSSR 010-A AFTERCOOLER	1RG-EMOT-016-A	E	1 HP	5GW1740-RG-02

COMPT NO	LOAD	UNID	DETAIL	LOAD SIZE	SCH DWG REFERENCE
J2	DSL GEN 001-A STARTING AIR CPSSR 002-A AFTERCOOLER	1RG-EMOT-015-A	E	1 HP	5GW1740-RG-02
J3	ERCW HDR A AND DRAINAGE POND ISOLATION MOV	1KE-IFCV-055-A	H	1.6 HP	5GW1740-KE-01
J4	STANDBY LUBE OIL PUMP	1RT-EMOT-003-A	F	60 HP	5GW1740-RT-04
J6	FUTURE - 6 INCH	1E1			



- NOTES:
- 480V MOTOR CONTROL CENTER PROVIDED ON TVA CONTRACT NO. 76K5-86242 BY GOULD/ITE
  - ALL MOLDED CASE 480V CIRCUIT BREAKERS ARE 30,000 WITH AN INTERRUPTING RATING OF NOT LESS THAN 25,000 RMS SYMMETRICAL AMPS AT 480V. CIRCUIT BREAKERS SHOWN WITH SHUNT TRIP COILS HAVE A TRIP COIL CAPABLE OF OPERATING AT 55 PERCENT RATED VOLTAGE. ALL 100A FRAME 480V CIRCUIT BREAKERS ARE ITE "HE" SERIES AND THE 400A FRAME 480V CIRCUIT BREAKERS ARE ITE "JL" SERIES.
  - ALL MOLDED CASE 120V CIRCUIT BREAKERS ARE 10,100A FRAME, THERMAL MAGNETIC WITH 15A TRIP, ITE "90" SERIES.
  - ALL 5A AND 10A FUSES ARE GOULD/SHAWMUT, AMP-TRAP, FORM 500, MIDGET TYPE 2.
  - FUSES IN THE POWER CIRCUITS ARE GOULD/SHAWMUT CLASS "J" CURRENT LIMITING; FUSES ARE REQUIRED TO PROVIDE REDUNDANT PROTECTION FOR PRIMARY CONTAINMENT PENETRATIONS.
  - ALL CONTROL TRANSFORMERS ARE 10,480-120V WITH GROUNDED SECONDARY. THE SECONDARY OF THE 150 VA TRANSFORMER IS FUSED WITH A 1.5A DUAL-ELEMENT TIME-DELAY, BUSSMAN TYPE FNO FUSE. THE SECONDARY OF THE 350 VA TRANSFORMER IS FUSED WITH A 3.5A DUAL-ELEMENT TIME-DELAY GOULD/SHAWMUT TYPE TDM FUSE.
  - GROUND FAULT PROTECTION (50GS), ITE TYPE GRM-FC, PICKS UP AT APPROXIMATELY 10 AMPS PRIMARY CURRENT WITH NO INTENTIONAL TIME DELAY.
  - THE PRIMARY OF THE 3KVA CONTROL POWER TRANSFORMER IS FUSED WITH A 15A TIME DELAY, BUSSMAN TYPE JMC-15 FUSE.
  - THE MOTOR CONTROL CENTER ARRANGEMENT IS CONTROLLED BY THE FRONT VIEW LOCATED ON THIS DRAWING. COMPARTMENT CONFIGURATION CONTROL DRAWINGS ARE REFERENCED IN THE MOTOR CONTROL CENTER COMPUTERIZED CIRCUIT SCHEDULE. THE MOTOR CONTROL CENTER COMPUTERIZED CIRCUIT SCHEDULE DOCUMENTS DEVICE RATINGS AND ADJUSTABLE CIRCUIT BREAKER SETTINGS.
  - THIS MCC IS CLASS 1E.
  - ALL AGSTAT RELAYS ARE OF THE 7000 SERIES.
- REFERENCED DRAWINGS AND DOCUMENTS
- PLANT AC AUXILIARY POWER SYSTEM SINGLE LINE ..... 2GW0720-RP-01
  - SINGLE LINE DIAGRAM 480V SWITCHGEAR 1E2-A ..... 2GW1728-EI-1
  - 480V CLASS 1E AC AUXILIARY POWER DISTRIBUTION SYSTEM SCHEMATIC ..... 5GW1740-EI-13
  - 480V MCC COMPARTMENT TYPICALS ..... 5GW0747-RP
  - 480V MCC 1E4-A COMPUTERIZED CIRCUIT SCHEDULE ..... 5DC1762-EI



FRONT VIEW

Sheet # 50438  
 Control # 8304050526  
 Date 3-25-83 of Document  
 REGULATORY DOCKET FILE

PRC  
 APERTURE  
 CARD

COMPANION DWG:  
 SDW1732-EI-03  
 SDW1732-EI-02 HAS  
 BEEN VOIDED

INSPECTED AND APPROVED FOR ISSUE

3	S1	1	2	3	4	5	6	7	8	9	10	11	12
ADDED LOAD SIZE AND SCHEMATIC DWG REF COLUMN TO TABLES, REVISED NOTES B.8.9 AND MOVED KEY DIAGRAM TO SH 3													
2	S1	1	2	3	4	5	6	7	8	9	10	11	12
RECORD DWG REV FOR THE MCC COMPUTERIZED Ckt SCH HISTORICAL DATA BASE R4													
1	S1	1	2	3	4	5	6	7	8	9	10	11	12
INCORPORATED UNID SYS. GEN REV PER ECN S1 - VARIOUS													
REV	NO	DATE	BY	CHKD	APPD	DESC							
1	1	03/25/83	W.L. ALBRED										
DRAWN: E.N. TRITIN CHECKED: R.C. MANLEY, J.E. WILCOX ENGINEER: J.D. GIESLER SUPV: W.L. ALBRED APPROVED: C.T. Garner													
SCALE: NTS EXCEPT AS NOTED													
DIESEL GENERATOR BUILDING UNIT 1													
SINGLE LINE 480V MCC 1E4-A 1E1-EMCC-64-A													
BELLEFONTE NUCLEAR PLANT TENNESSEE VALLEY AUTHORITY DIVISION OF ENGINEERING DESIGN													
SUBMITTED: C.T. Garner, J.L. ... APPROVED: R.M. ...													
KNOXVILLE 12-6-74 88 E SDW1732-EI-1 R3													

THIS DRAWING IS UNDER