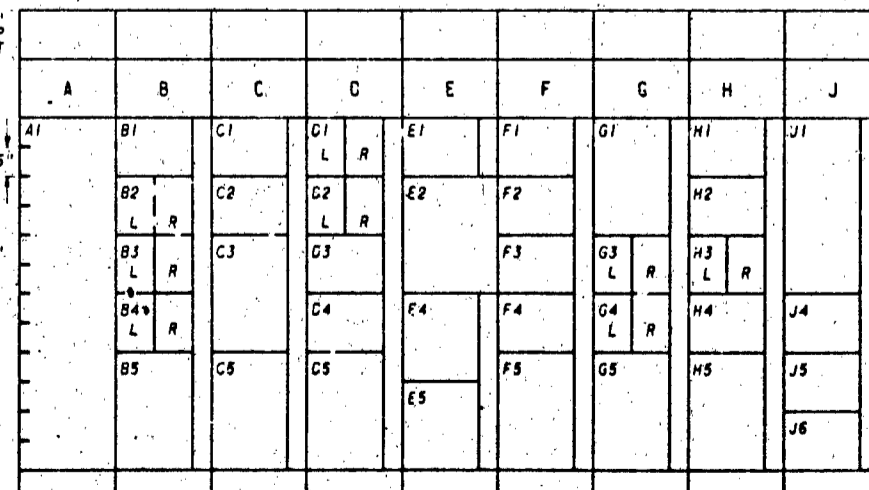


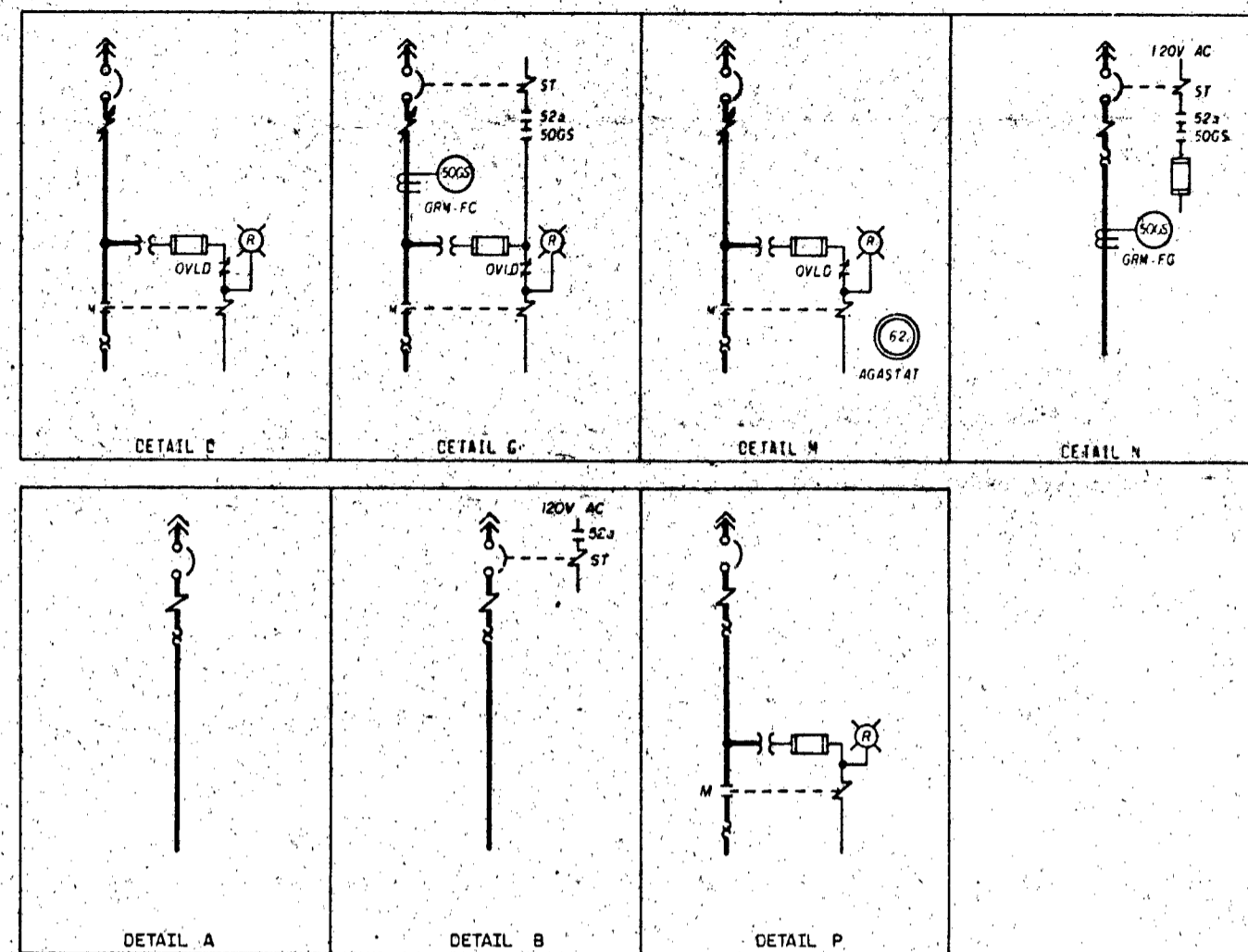
COMPT NO.	LOAD	UNID	DETAIL	LOAD SIZE	SCHEMATIC DWG REFERENCE
A1	MAIN BREAKER	2ED-52VA-56F	SEE KEY DIAG		
B1	CONT BLDG ROOF VENT FAN	OVL-EMOT-031	D	0.5HP	5GW060-VK-24
B2	40V DC BATTERY CHGR 2	DET-ERC-2	A	14KVA	9CW7388-ET-01
B3	FUEL HANDLING AREA UNIT HTR	OVB-ENTR-072	A	15KW	5GW0740-VB-02
B3L	FUEL HANDLING AREA UNIT HTR	OVB-ENTR-080	A	15KW	5GW0740-VB-02
B3H	CASK DECONTIN HYDR SYS PMP	OYK-EMCP-1	A	4KVA	5GW0740-VK-07
B4	6 TON WASTE GAS FLTR HOIST	CMW-WMHE-087	A	10HP	5GW0740-MM-02
B4H	4 TON WASTE GAS FLTR HOIST	CMW-WMHE-072	A	5.75KVA	5GW0740-MM-02
B5	RC BLEED TRANSFER PUMP 2A1	2NB-EMOT-003	G	40HP	5GW2740-NB-05
C1	FUTURE - 12 INCH	2ED			
C2	FUTURE - 12 INCH	2ED			
C3	SPARE	2ED	G		
C5	MC DISTILLATE TRANSFER PUMP 2A1	2NB-EMOT-014	G	40HP	5GW2740-NB-08
D1L	24V MICROWAVE BAT CHGR 2	DET-ERC-2	A	7.5KVA	9CW7388-ET-01
D1R	EVAPORATION PACKAGE 2A	ONB-MEVP-037	A	245KVA	5GW0740-NB-02
D2L	SPARE	2ED	A		
D2R	SPARE	2ED	A		
D3	BORIC ACID ADDITIONS TANK HTR B	ONB-ENTR-025B	P	9KW	5GW0740-NB-07
D4	CONCENTRATED BORIC ACID STORAGE TANK 2A HTR A	2NB-ENTR-026A	P	9KW	5GW2740-NB-06
D5	BORIC ACID MIX TANK HTR B	ONB-ENTR-024B	P	50KW	5GW0740-NB-06
E1	MCC LOSS OF VOLTAGE RLY.		SEE KEY DIAG		
E2	120V IP CRT BRK CLMPT		SEE KEY DIAG		
E4	FUSE CLMPT		SEE KEY DIAG		
E5	MCC CONTROL TRANSFORMER AND DISCONNECT SWITCH		SEE KEY DIAG		
F1	EVAPORATOR DISTILLATE TEST TANK PUMP 2A	2NB-EMOT-009	D	15HP	5GW0740-NB-05
F2	200V PHENOL SECONDARY PMP	GVU-EMOT-077	D	2HP	5GW0740-VU-09
F3	YANG AUX BUILER FUEL OIL PUMP B	OKD-EMOT-002	D	10HP	5GW0740-FD-05
F4	RB NORMAL SUMP PUMP 2A2	2WL-EMOT-001	M	3HP	5GW2740-WD-02
F5	SPARE	2ED	P		
G1	SEC G BUS GRD RLY	2ED-50G5-56B	SEE KEY DIAG		
G1L	COM ZONE 480V RPT A,B,C,D	2ED-EMCP-015	B		5GW2740-ED-18
G1R	CB 480V PH4 HIPT A,B,C	2ED-EMCP-017	B		5GW2740-ED-18
G4L	CB 480V PARTIAPT A,B,C,D	2ED-EMCP-016	B		5GW2740-ED-18
G4R	FUTURE - HALF CLMPT	2ED			
G5	FUTURE - 24 INCH	2ED			
H1	DISTILLATE SEAL WATER TRANSFER PUMP 2A	ONB-EMOT-020	D	0.75HP	5GW0740-NB-10
H2	AUX BLDG 5000 UTILITY ELEVATOR	OME-MELV-003	N	25HP	5GW0740-ME-01
H3	WYANE	2ED	A		
H3R	FUTURE - HALF CLMPT	2ED			
H4	SPARE	2ED	N		
H5	COMMON ZONE EL 669 AHU	OVC-EMOT-048	D	30HP	5GW0740-VC-12
J1	FUTURE - 36 INCH	2ED			

COMPT NO.	LOAD	UNID	DETAIL	LOAD SIZE	SCHEMATIC DWG REFERENCE
J4	LITHIUM HYDROXIDE PUMP 2A	ONB-EMOT-018	D	0.5HP	5GW0740-NB-03
J5	HYDRAZINE PUMP 2A	ONB-EMOT-016	D	0.5HP	5GW0740-NB-03
J6	SF POOL SKIMMER PUMP 2A	2NM-EMOT-007	M	10HP	5GW2740-NM-03



FRONT VIEW

EL 629 COL 47R



- NOTES
- 480V MOTOR CONTROL CENTER PROVIDED ON TVA CONTRACT NO. 76K5-86242 BY GOULD/ITE
 - ALL MOLDED CASE 480V CIRCUIT BREAKERS ARE 30, 600V 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 ITC "ME" SERIES AND THE 400A FRAME 480V CIRCUIT BREAKERS ARE ITC "JL" SERIES.
 - ALL MOLDED CASE 120V CIRCUIT BREAKERS ARE 10, 100A FRAME, THERMAL MAGNETIC WITH 15A TRIP, ITC "80" SERIES.
 - ALL 5A AND 10A FUSES ARE GOULD/SHAWMUT, AMP-TRAP, FORM 600, WIDGET 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 1/2 A DUAL-ELEMENT TIME DELAY, BUSSMANN TYPE FND FUSE. THE SECONDARY OF THE 350 VA TRANSFORMER IS FUSED WITH A 3 1/2 A DUAL-ELEMENT TIME DELAY GOULD/SHAWMUT TYPE TRM FUSE.
 - GROUND FAULT PROTECTION (50G5), ITC TYPE GRN-FC, PICKS UP AT APPROXIMATELY 10 AMPS PRIMARY CURRENT WITH NO INTENTIONAL TIME DELAY.
 - THE PRIMARY OF THE 5KVA CONTROL POWER TRANSFORMER IS FUSED WITH A 15A TIME DELAY, BUSSMANN TYPE JHC-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. DOCUMENTS DEVICE RATINGS AND ADJUSTABLE CIRCUIT BREAKER SETTINGS.
 - THIS MCC IS NON-CLASS 1E LOCATED IN A CATEGORY 1 STRUCTURE.
 - ALL AGASTAT RELAYS ARE OF THE 7000 SERIES.

- REFERENCED DRAWINGS AND DOCUMENTS
- PLANT AC AUXILIARY POWER SYSTEM SINGLE LINE 26N0720-RP-01
 - SINGLE LINE DIAGRAM 480V SWITCHGEAR 2XBR 2442727-ED-1
 - 480V NORMAL AC AUXILIARY POWER DISTRIBUTION SYSTEM SCHEMATIC 5GW2740-ED-18
 - 480V MCC COMPARTMENT TYPICALS 5GW0747-RP
 - 480V MCC SXF2 COMPUTERIZED CIRCUIT SCHEDULE 5AC0763-ED



Docket # SA-438
Control # 804058536
Date 5-25-83 of Document
REGULATORY DOCKET FILE

3	SI	2-25-76	CM	AM	REL	WRT	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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INCORPORATED UNIC SYS. GEN REV PER ECN S1-VARIOUS

SCALE: NTS EXCEPT AS NOTED

AUXILIARY BUILDING UNIT 2

SINGLE LINE 480V MCC SXF2 2ED-EMCC-56

BELLEFOUNTE NUCLEAR PLANT TENNESSEE VALLEY AUTHORITY DIVISION OF ENGINEERING DESIGN

INSPECTED AND APPROVED FOR ISSUE: C.T. Barlow, R.M. Bledsoe

KNOXVILLE 88 E SAW0733-ED-1 R3

COMPANION DWG: SAW0733-ED-03 SAW0733-ED-02 HAS BEEN VOIDED

NO.	DATE	BY	REVISION
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