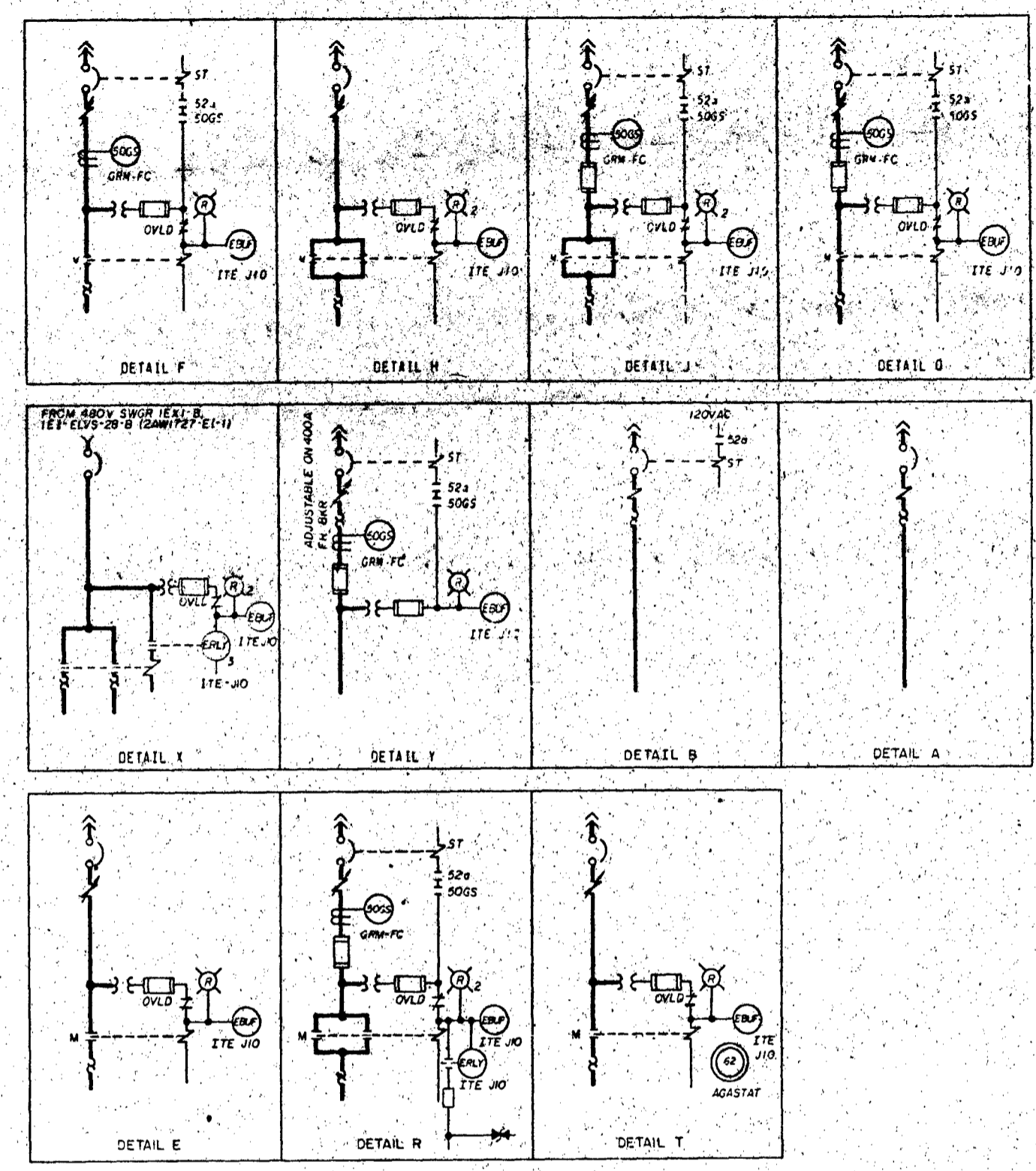


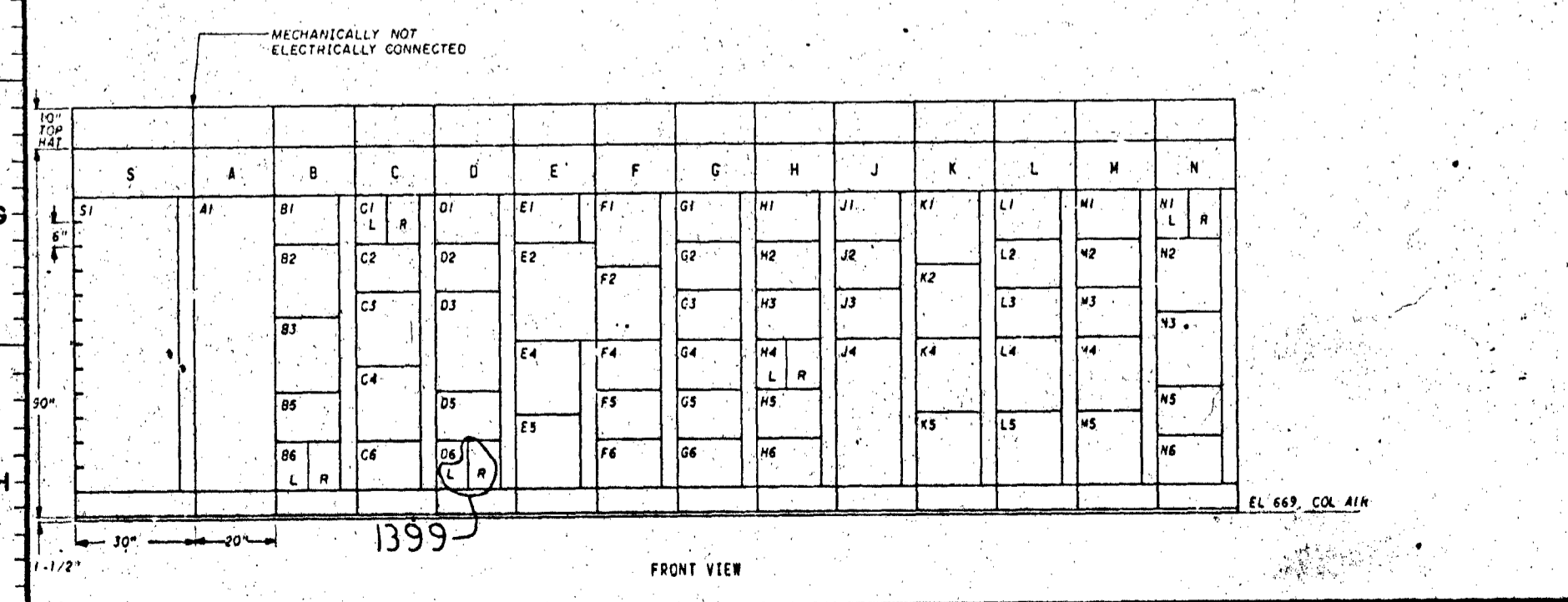
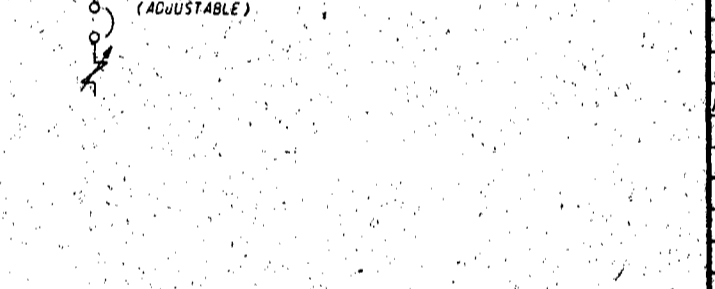
COMP NO.	LOAD	UNID	DETAIL	LOAD SIZE	SCHEMATIC DWG REFERENCE
A1	MAIN BREAKER	1EI-524A-66F-B	SEE KEY 01AG		
B1	SPARE	1EI	E		
B2	SPARE	1EI	Q		
B3	RB CC INLET ISOLATION MOV (CC-HV1)	1KC-IFCV-211-B	J	066HP	5GW1740-KC-19
B5	SPARE	1EI	E		
B6	120V HYDROGEN ANALYZER	1IX-EXPR-902-B	A	9.6 KVA	5GW0640-NO-07
B7	SPARE	1EI	E		
C1	ZONE 1B WTR CHILLER OIL PMP	1IV-EMOT-102-B	A	9 HP	5GW1740-VA-07
C1H	WTR PDR 1P 125V 11.2 AMP OIL PMP	1EU-EBC-55-5	A	44 KVA	5GW1840-EU-02
C2	ZONE 1B CCS PUMP ROOM AHU	1VA-EMOT-139-B	E	15 HP	5GW1740-VA-14
C3	RB CC INLET ISOLATION MOV (CC-HV2)	1KC-IFCV-148-B	J	066HP	5GW1740-KC-29
C4	LETDOWN LINES DUMP TO 5MP ISOLATION MOV	1ND-IFCV-239-B	R	07HP	5GW1740-ND-14
C6	TRAIN B TO TRAIN A SEAL	1NV-IFCV-536-B	H	07HP	5GW1740-NV-14
D1	ZONE 1B 125V VITAL BATTERY RM AHU	1VA-EMOT-135-B	E	10 HP	5GW1740-VA-15
D2	ZONE 1B WATER CHILLER AREA AHU	1VA-EMOT-182-B	E	20 HP	5GW1740-VA-16
D3	ZONE 1B MECH EQPT ROOM EXHAUST FAN	1VA-EMOT-092-B	F	40 HP	5GW1740-VA-12
D5	ZONE 1B EL 669 ESSENTIAL ELEC EQPT ROOM SUPPLY FAN	1VA-EMOT-136-B	E	20 HP	5GW1740-VA-15
D6	HEAT TRACING SYSTEM FOR DGR	1MC-ET-3A-B	B	15 KVA	5GW1740-MC-02
D6R	HEAT TRACING SYSTEM FOR DGR	1MC-ET-12A-B	B	27 KVA	5GW1740-MC-02
E1	MCC LOSS OF VOLTAGE RELY		SEE KEY 01AG		1399
E2	120V 1P-CKT WTR COMPT		SEE KEY 01AG		
E4	FUSE COMPT		SEE KEY 01AG		
E5	MCC CONTROL TRANSFORMER AND DISCONNECT SWITCH		SEE KEY 01AG		
F1	RCP P181 WUP SEAL RETURN MOV (MU-HV37C)	1NV-IFCV-068-B	J	033HP	5GW1740-NV-10
F2	RCP P182 WUP SEAL RETURN MOV (MU-HV37D)	1NV-IFCV-071-B	J	033HP	5GW1740-NV-10
F4	ZONE 1B ESSENTIAL ELEC EQPT ROOM SUPPLY FAN	1VA-EMOT-128-B	E	7.5 HP	5GW1740-VA-11
F5	ZONE 1B ESSENTIAL ELEC EQPT ROOM EXN FAN	1VA-EMOT-132-B	E	10 HP	5GW1740-VA-13
F6	MKUP/HPI PUMP 1B1-B LUBE OIL PUMP	1NV-EMOT-838-B	E	1 HP	5GW1740-NV-06
G1	MKUP PUMP RECIRCULATION MOV (MU-HV38)	1NV-IFCV-411-B	H	16 HP	5GW1740-NV-13
G2	CC WATER COOLER 007-B MX INLET MOV	1KC-IFCV-316-B	H	066HP	5GW1740-KC-28
G3	MKUP/HPI TO RCP P181 MOV (MU-HV37C)	1NV-IFCV-213-B	H	05HP	5GW1740-NV-16
G4	MKUP/HPI TO RCP P182 MOV (MU-HV37D)	1NV-IFCV-225-B	H	05HP	5GW1740-NV-16
G5	ERCW INLET RBC UNIT 1B1-B MOV	1KE-IFCV-310-B	H	033HP	5GW1740-KE-23
G6	CC WATER COOLER 007-B MX BYPASS MOV	1KC-IFCV-317-B	H	066HP	5GW1740-KC-28
H1	TRAIN 1B WTR PUMP SUCTION FROM BMS1 MOV (MU-HV47B)	1NV-IFCV-419-B	H	166 HP	5GW1740-NV-12
H2	ERCW OUTLET RBC UNIT 1B1-B MOV	1KE-IFCV-316-B	H	033HP	5GW1740-KE-23
H3	SF COOLER B INLET MOV (CC-HV18A)	1KC-IFCV-353-B	H	033HP	5GW1740-KC-19
H4	SPARE	1EI	B		
H5	SF COOLER B OUTLET MOV (CC-HV30)	1KC-IFCV-360-B	H	033HP	5GW1740-KC-19
H6	AC BLEED EVAPORATOR 2A INLET MOV (CC-HV30A)	1KC-IFCV-268-B	H	033HP	5GW1740-KC-15
H6	AC BLEED EVAPORATOR 2A OUTLET MOV (CC-HV30B)	1KC-IFCV-296-B	H	033HP	5GW1740-KC-15

COMP NO.	LOAD	UNID	DETAIL	LOAD SIZE	SCHEMATIC DWG REFERENCE
J2	SFC PUMP B CROSS FEED INLET MOV	0NM-IFCV-189-B	H	033HP	5GW0740-NM-03
J3	SFC PUMP B CROSS FEED INLET MOV	0NM-IFCV-777-B	H	033HP	5GW0740-NM-03
J4	HYDROGEN RECOMBENER 1B-B	1NO-ENTR-005-B	T	75 KW	5GW0640-NO-05
K1	HYDROGEN RECIRCULATION FAN	1NO-EMOT-001-B	Q	20 HP	5GW0640-NO-02
K2	SPARE	1EI	J		
K4	MKUP LETDOWN SHUTOFF INLET MOV (MU-HV1C)	1NV-IFCV-022-B	J	066HP	5GW1740-NV-17
K5	MKUP LETDOWN SHUTOFF INLET MOV (MU-HV1D)	1NV-IFCV-029-B	J	066HP	5GW1740-NV-17
L1	DGR TO MKUP/HPI PUMP MOV	1ND-IFCV-162-B	H	066HP	5GW1740-ND-07
L2	ERCW SUPPLY HOP B TO DSL DEN 1B-B MX MOV	1KE-IFCV-296-B	H	013HP	5GW1740-KE-19
L3	MKUP HPI PUMP 1B1-B ROOM AHU	1VA-EMOT-138-B	E	7.5 HP	5GW1740-VA-14
L4	MKUP LETDOWN OUTLET ISOLATION MOV (MU-HV2A)	1NV-IFCV-026-B	J	07HP	5GW1740-NV-08
L5	MKUP LETDOWN OUTLET ISOLATION MOV (MU-HV2B)	1NV-IFCV-033-B	J	07HP	5GW1740-NV-08
M1	ZONE 1B MECH EQPT ROOM SUPPLY FAN	1VA-EMOT-130-B	T	10 HP	5GW1740-VA-10
M2	SPARE	1EI	E		
M3	SPARE	1EI	E		
M4	RCP P181 WUP SEAL RETURN MOV (MU-HV37A)	1NV-IFCV-062-B	J	033HP	5GW1740-NV-09
M5	RCP P182 WUP SEAL RETURN MOV (MU-HV37B)	1NV-IFCV-065-B	J	033HP	5GW1740-NV-09
N1	SFC PUMP AREA AC UNIT FUTURE	1NV-EMOT-185-B	A	64 KW	5GW0740-VE-5
N2	DUMP TO SUMP ISOLATION MOV	1ND-IFCV-238-B	R	07HP	5GW1740-ND-13
N3	MKUP DUMP TO SUMP 3-WAY MOV	1NV-IFCV-051-B	J	033HP	5GW1740-NV-11
N5	FUTURE - 12 INCH	1EI			
N6	FUTURE - 12 INCH	1EI			
S1	RB COOLING FAN (MU-EMOT-034-B)	1IV-ECMS-034-B	X		5GW1740-VJ-03



- NOTES
- 480V MOTOR CONTROL CENTER PROVIDED ON THE CONTRACT NO. 76K5-86242 BY 500L/ITE.
 - ALL WOLDED CASE 480V CIRCUIT BREAKERS ARE 15 000A WITH AN INTERRUPTING RATING OF NOT LESS THAN 25 000 RMS SYMMETRICAL AMPS AT 480V CIRCUIT BREAKERS SHOWN WITH SHUNT TRIP COILS ARE A TRIP COIL CAPABLE OF OPERATING AT 55 PERCENT RATED VOLTAGE AND THE 400A FRAME 480V CIRCUIT BREAKERS ARE ITE "L" SERIES.
 - ALL WOLDED CASE 120V CIRCUIT BREAKERS ARE 15 000A FRAME THERMAL MAGNETIC WITH 15A TRIP, ITE "90" SERIES.
 - ALL 5A AND 10A FUSES ARE GULDF/SANMUT AMP-TRIP FORM 500, NUGGET TYPE 2.
 - FUSES IN THE POWER CIRCUITS ARE 500L/SANMUT CLASS "JP" CURRENT LIMITING FUSES ARE REQUIRED TO PROVIDE FUNDAMENTAL PROTECTION FOR PRIMARY CONTAINMENT PENETRATIONS.
 - ALL CONTROL TRANSFORMERS ARE 10 480/120V WITH GROUND/SECONDARY, THE SECONDARY OF THE 150 VA TRANSFORMER IS FUSED WITH A 1/8A-DUAL ELEMENT TIME-DELAY, BUSSMAN TYPE FND FUSE, THE SECONDARY OF THE 150 VA TRANSFORMER IS FUSED WITH A 3/8A DUAL-ELEMENT TIME-DELAY GULDF/SANMUT TYPE 174 FUSE.
 - GROUND FAULT PROTECTION (500S) ITE-TYPE GFM-FC PICKS UP AT APPROXIMATELY 10 AMP PRIMARY CURRENT WITH NO INTENTIONAL TIME DELAY.
 - THE PRIMARY OF THE 5KVA CONTROL POWER TRANSFORMER IS FUSED WITH A 1/5A TIME DELAY, BUSSMAN TYPE JHG-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 DOCUMENT'S DEVICE RATINGS (AND ADJUSTABLE CIRCUIT BREAKER SETTINGS).
 - THIS MCC IS CLASS 'E'.
 - ALL AGASTAT RELAYS ARE OF THE "100" SERIES.

- REFERENCED DRAWINGS AND DOCUMENTS
- PLANT AC AUXILIARY POWER SYSTEM SINGLE LINE 200720-RP-01
 - SINGLE LINE DIAGRAM 480V SWITCHGEAR 1E1-B 200727-EI-1
 - 480V CLASS 'E' AC AUXILIARY POWER DISTRIBUTION SYSTEM SCHEMATIC 5GW1740-EI-10
 - 480V MCC COMPARTMENT TYPICALS 5GW0747-RP
 - 480V MCC 1E1-B COMPUTERIZED CIRCUIT SCHEDULE 5AC1765-EI



Docket # 8-139
Control # 834050526
11-25-83
REGULATORY DOCKET FILE

P.R.C. APERTURE CARD

COMPANION DWG. SAW1733-EI-03 SAW1733-EI-02 HAS BEEN VOIDED

6	51, 1399	REVISED	DATE	BY	REASON
1	ADDED LOAD SIZE AND SCHEMATIC DWG. REF. COLUMN NO. TABLES, REVISION NOTES B, B, B AND MOVED KEY DIAGRAM TO SH-3 RELOCATE HEAT TRACE LOADS				
2	REMOVED KEY DIAGRAM TO SH-3 RELOCATE HEAT TRACE LOADS				
3	ADDED LOAD				
4	ADDED LOADS, CORRECT UNID.				
5	RECORD DWG REV FOR THE MCC COMPUTERIZED Ckt SCH HISTORICAL DATA BASE RA.				
6	INCORPORATED UNID, SYS. GEN REV PER ECRN 51, VARIOUS, ACCED AHU AND INCR CAPACITIES.				
7	DESIGN L.P. ACCOLEY	DESIGNED			
8	CHAD B. L. ROBERT	CHECKED			
9	SUPERVISOR				
10	SCALE: NTS	EXCEPT AS NOTED			
11	AUXILIARY BUILDING UNIT 1				
12	SINGLE LINE 480V MCC 1E1-B 1E1-EMCC-66-B				
13	BELLEFONTE NUCLEAR PLANT TENNESSEE VALLEY AUTHORITY DIVISION OF ENGINEERING DESIGN				
14	SUBMITTED BY: O.T. GARNER	RECOMMENDED BY: G.P. BARNETT	APPROVED BY: P.M. HARRIS		
15	INSPECTED AND APPROVED FOR ISSUE				
16	KNOXVILLE, TN 37834	88E SAW1733-EI-1	86		

THIS DRAWING IS UNDER CONFIGURATION CONTROL