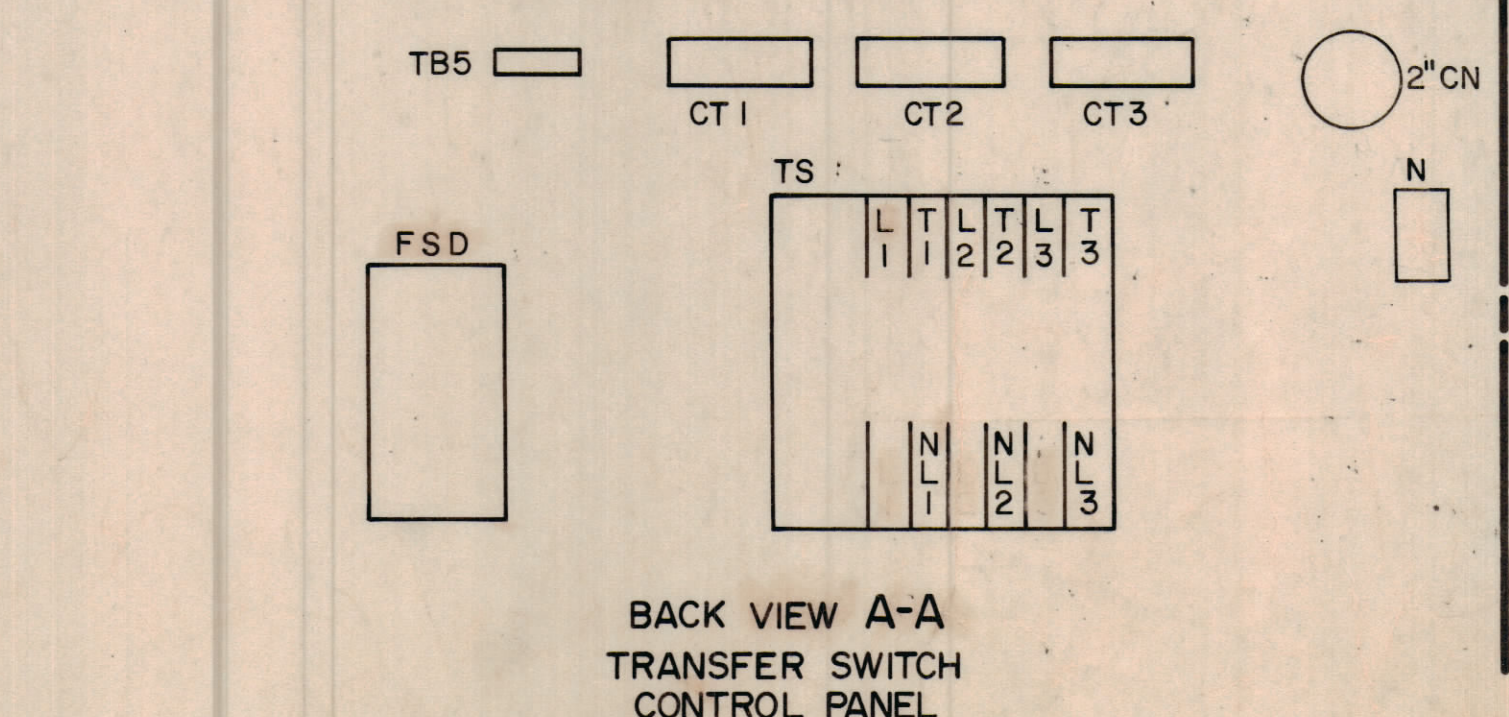
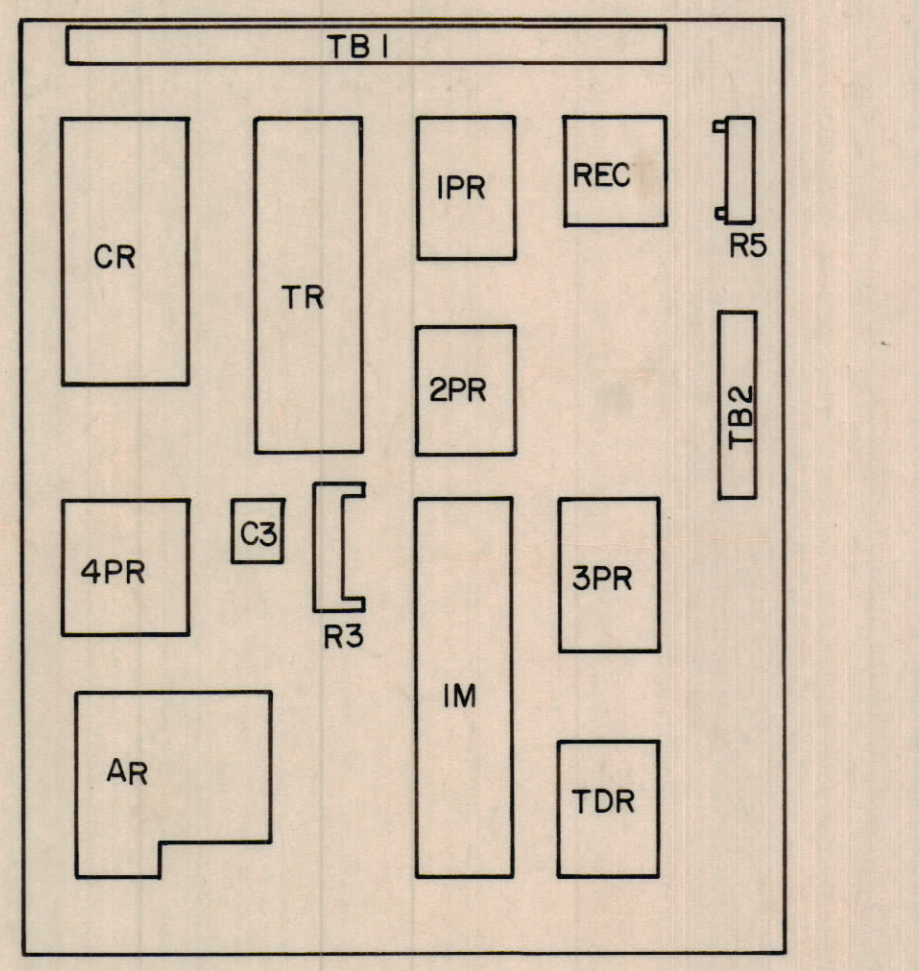
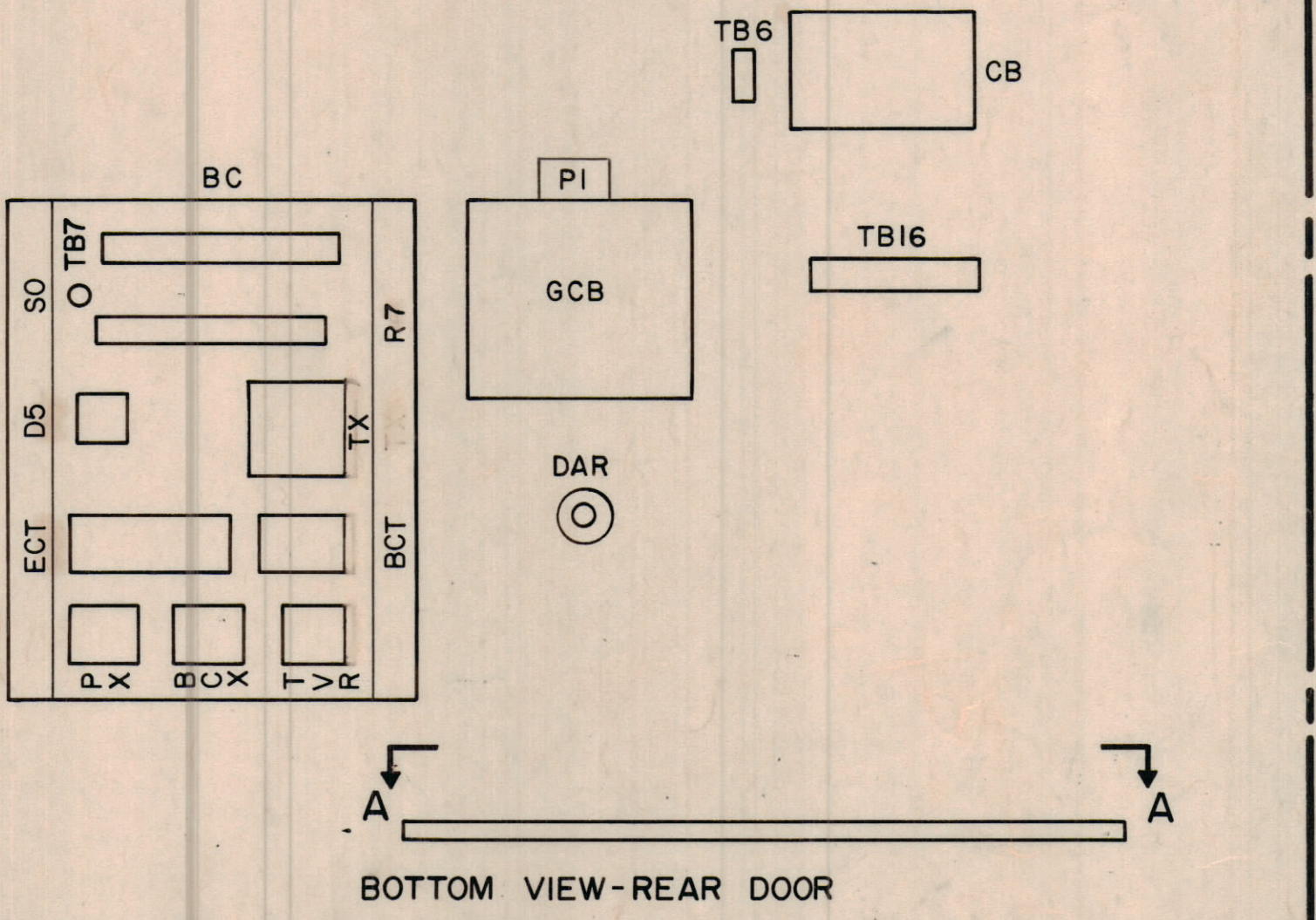
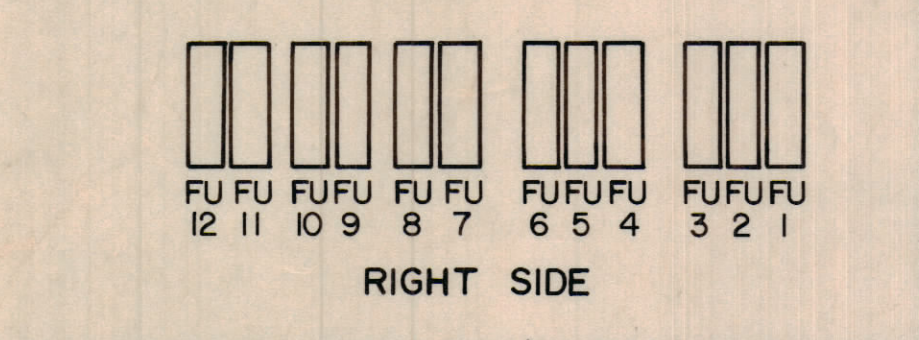
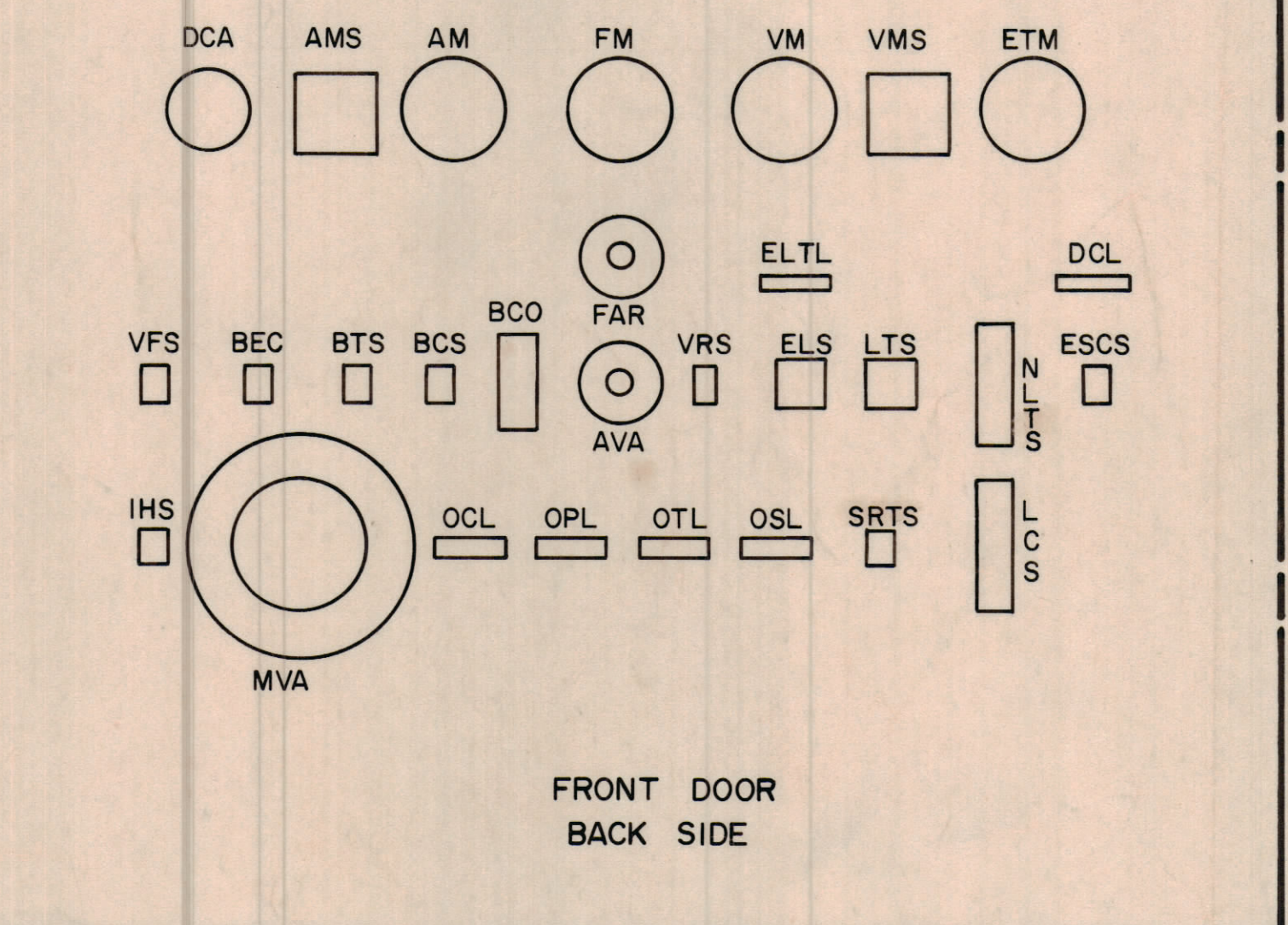
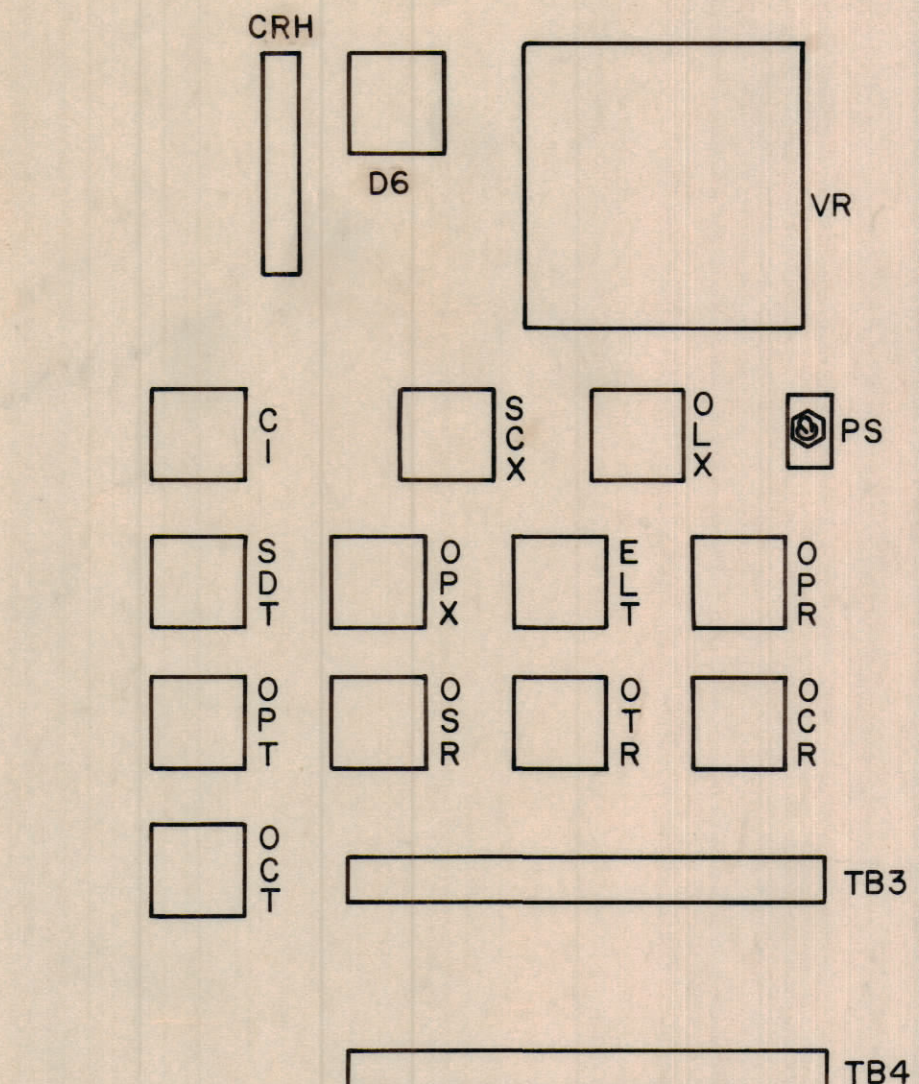


REVISIONS						
ZONE	LTR	DESCRIPTION	DATE	DRAFT	CHK'D	APP'D
	A	REDRAWN	1-20-73	CF		
	B	CHANGED R6 TO CRH	3/19/73	EMF		
	C	ADDED 'BTB' & 'N'	4/24/73	EMF		
	D	FAA FIRST ARTICLE	4/28/73	EMF		
	F	CHANGED AS PER QA LIST NO. 0351 DATED 6-7-73	6/11/73	ESF		

LEGEND

AM	A C AMMETER	MVA	MANUAL VOLTAGE ADJUST
AMS	AMMETER SWITCH	NL	NORMAL POWER LINE
AR	LOW VOLTAGE IM BYPASS AUXILIARY RELAY	NLTS	NO LOAD TEST SWITCH (I.N.O., I.N.C.)
AVA	AUTOMATIC VOLTAGE ADJUST	OCR	OVERCRANK RELAY (I.N.O., I.N.C.)
BC	BATTERY CHARGER	OCL	OVERCRANK LIGHT (RED)
BCO	BATTERY CHARGER OVERLOAD BREAKER	OCT	OVERCRANK TIMER RELAY (I.N.O.) (TO 60 SEC.)
BCS	BATTERY CHARGER SWITCH (2 POLE)	OLX	AUXILIARY PILOT RELAY (3 N.O., I.N.C.)
BCT	BATTERY CHARGER TIMER (I.N.C.) (TO 1 HOUR)	OPL	OIL PRESSURE LIGHT (RED)
BCX	BATTERY CHARGER AUXILIARY RELAY (2 N.O., I.N.C.)	O PR	OIL PRESSURE RELAY (I.N.O., I.N.C.)
BEC	EQUALIZING CHARGE PUSHBUTTON (MOMENTARY)	OPT	OIL PRESSURE TIMER RELAY (I.N.O.) (TO 60 SEC.)
BTS	BATTERY CHARGER TEST SWITCH (I.N.C.)	OPX	OIL PRESSURE AUXILIARY RELAY (2 N.O.)
C3	CAPACITOR	OSL	OVERSPEED LIGHT (RED)
CB	CIRCUIT BREAKER 200A	OSR	OVERSPEED RELAY (2 N.O., I.N.C.)
CI	CRANKING INTERRUPTER	OTL	OVER TEMPERATURE LIGHT (RED)
CR	TRANSFER TIME DELAY RELAY (I.N.C. TC-2 SEC)	OTR	OVER TEMPERATURE RELAY (I.N.O., I.N.C.)
CT 1, 2 & 3	CURRENT TRANSFORMER	PI	GOVERNOR PLUG BOX
D	DIODE	PR	POTENTIAL RELAY (I.N.O.)
DCA	D C AMMETER	PS	PARALLEL SWITCH (1 POLE)
DCL	D C CONTROL INDICATOR LIGHT (GREEN)	PX	BATTERY CHARGER POWER RELAY (2 N.O.)
ECT	EQUALIZING CHARGE TIMER (I.N.C.) (TO 8 HOURS)	R	RESISTOR
ELT	EXTENDED LOAD TEST RELAY (I.N.O., I.N.C.)	REC	RECTIFIER
ELTL	EXTENDED LOAD TEST LIGHT (AMBER)	SRTS	SAFETY RESET AND LAMP TEST SWITCH (4 N.C., 4 N.O.)
ELS	EXTENDED LOAD STOP SWITCH (I.N.O., I.N.C.)	SCX	STARTING CONTACTOR AUXILIARY RELAY (I.N.C., 2 N.O.)
ESCS	EMERGENCY STOP AND CONTROL	SDT	SHUTDOWN TIMER (I.N.O.) (TO 3 MIN.)
	CUTOOUT SWITCH	SO	STAND OFF
ETM	ELAPSED TIME METER	T	GENERATOR LINE
FAR	FREQUENCY ADJUST RHEOSTAT	TB	TERMINAL BOARD
FM	FREQUENCY METER	TDR	TRANSFER TIME DELAY TIMER (3-30 MIN.) (I.N.C., I.N.O.)
FSD	FREQUENCY SENSING DEVICE (I.N.O.)	TR	TRANSFER RELAY (3 N.O., 3 N.C.) (1 SEC. TIME DELAY)
FU	FUSE	TS	TRANSFER SWITCH (3 N.O., 3 N.C.), AUX. SWITCH (6 N.O., 2 N.C.)
IHS	IMMERSION HEATER SWITCH	TVR	TEMPERATURE COMPENSATED VOLTAGE SENSING RELAY (I.N.C.)
IM	IN PHASE MONITOR	TX	TRANSFORMER, BATTERY CHARGER - 240/38V-305VA
L	LOAD	VFS	VM-FM LINE SELECTOR SWITCH
LB	LOAD TEST JACKS	VM	VOLTMETER, A.C.
LC	LOAD BANK CONTACTOR (4 N.O.)	VMS	VOLTMETER SWITCH
LCS	LOAD BANK CONTACTOR SWITCH (I.N.O., I.N.C.)	VR	VOLTAGE REGULATOR
LTS	LOAD TEST SWITCH (I.N.O., I.N.C.)	VRS	VOLTAGE REGULATOR SWITCH
CRH	COMPENSATION RHEOSTAT CROSS CURRENT CHASE NIPPLE	N	NEUTRAL
BTB	BATTERY TERMINAL BOARD		
GCB	GOVERNOR CONTROL BOX		
DAR	DROOP ADJUST RHEOSTAT		



FRONT VIEW A-A
TRANSFER SWITCH
CONTROL PANEL

BACK VIEW A-A
TRANSFER SWITCH
CONTROL PANEL

QTY REQ	QTY REQ	QTY REQ	ITEM	PART NO.	MANUFACTURER	DESCRIPTION	SYM
PARTS LIST							
DRAWN C. FORLINI				DATE 1-20-73			
CHECKED [Signature]				DATE 6-8-73			
D. ENG.				DATE			
P. ENG. [Signature]				DATE 14 Jun 73			
P. MGR.				DATE			
CHIEF, ENG. DEPT. [Signature]				DATE 14 Jun 73			
FAA QRO [Signature]				DATE 14 June			
THE TMC SYSTEMS AND POWER CORPORATION SPRINGFIELD, VIRGINIA		50 KW ENGINE CONTROL CABINET PARTS PLACEMENT GENERATOR SET		SIZE D 24146		DWG. NO. AX719	
SCALE NONE		REV F		SHEET 1 OF 1			

INTERPRET DRAWING PER LISTED DOCUMENTS

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES AND INCLUDE CHEMICALLY APPLIED OR PLATED FINISHES REMOVE ALL BURRS AND SHARP EDGES

TOLERANCES ON
FRACTIONS ANGLES DECIMALS

MATERIAL

FINISH

NOTICE TO PERSONS RECEIVING THIS DRAWING
THE TMC SYSTEMS AND POWER CORPORATION claims proprietary right in the material disclosed herein. This drawing is issued in confidence for engineering information only and may not be reproduced or used to manufacture anything shown hereon without permission from THE TMC SYSTEMS AND POWER CORPORATION to the user. This drawing is loaned for mutual assistance and is subject to recall at any time.