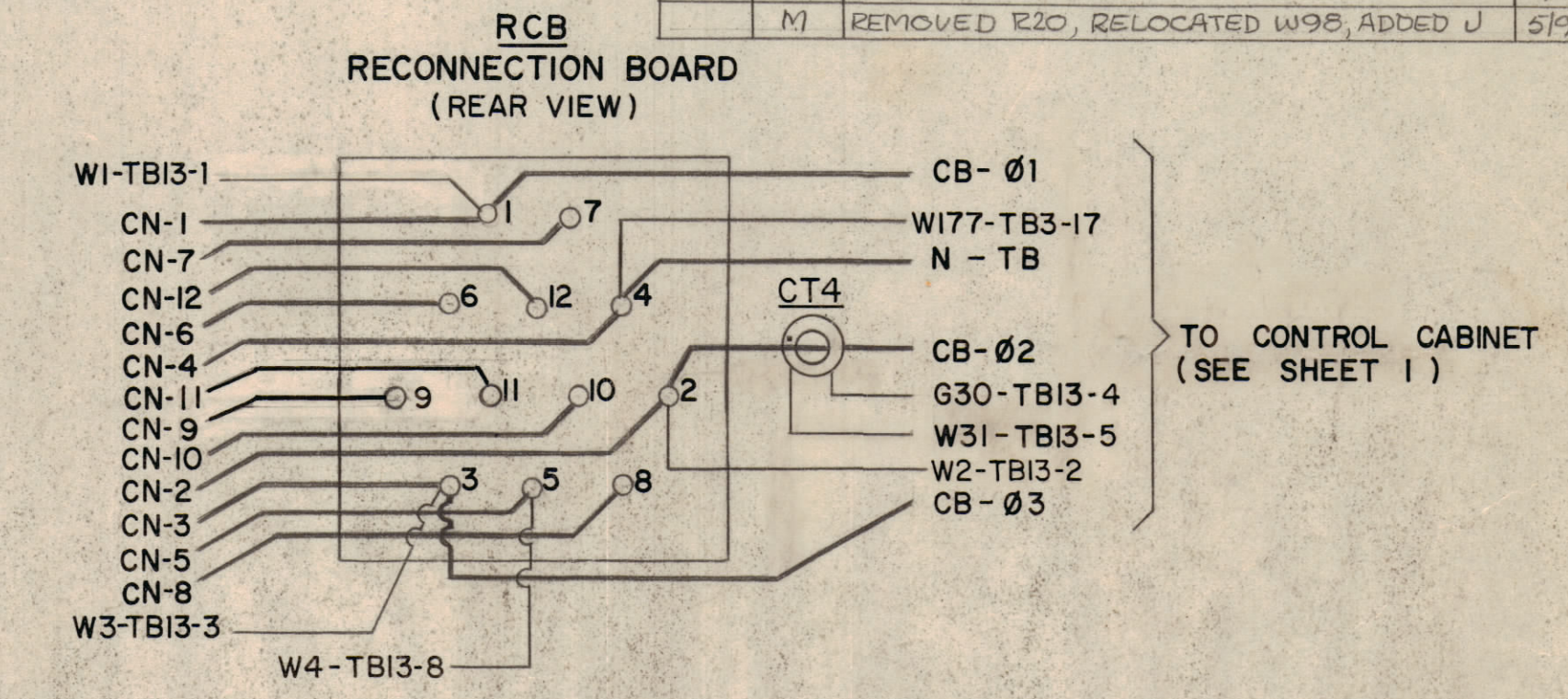
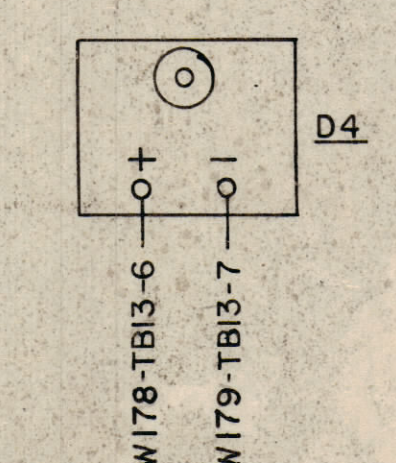
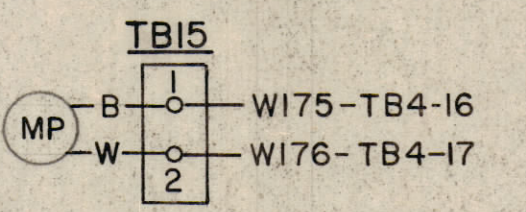
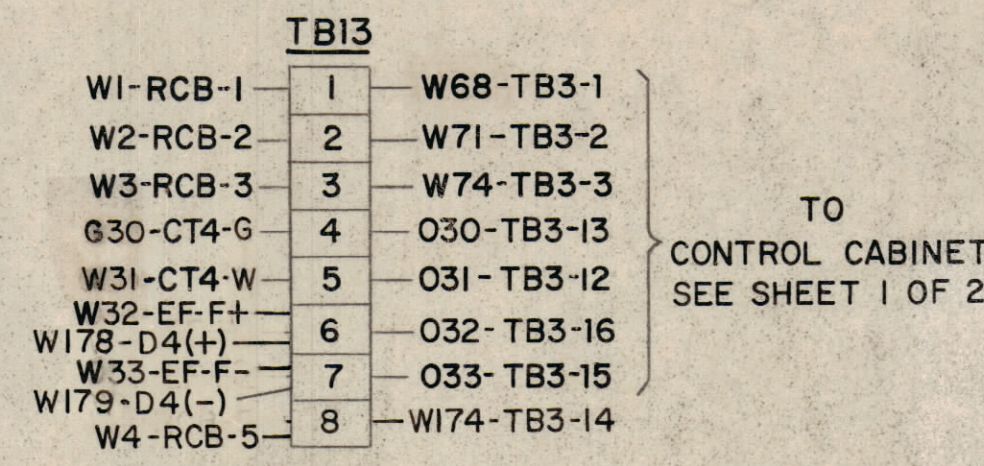
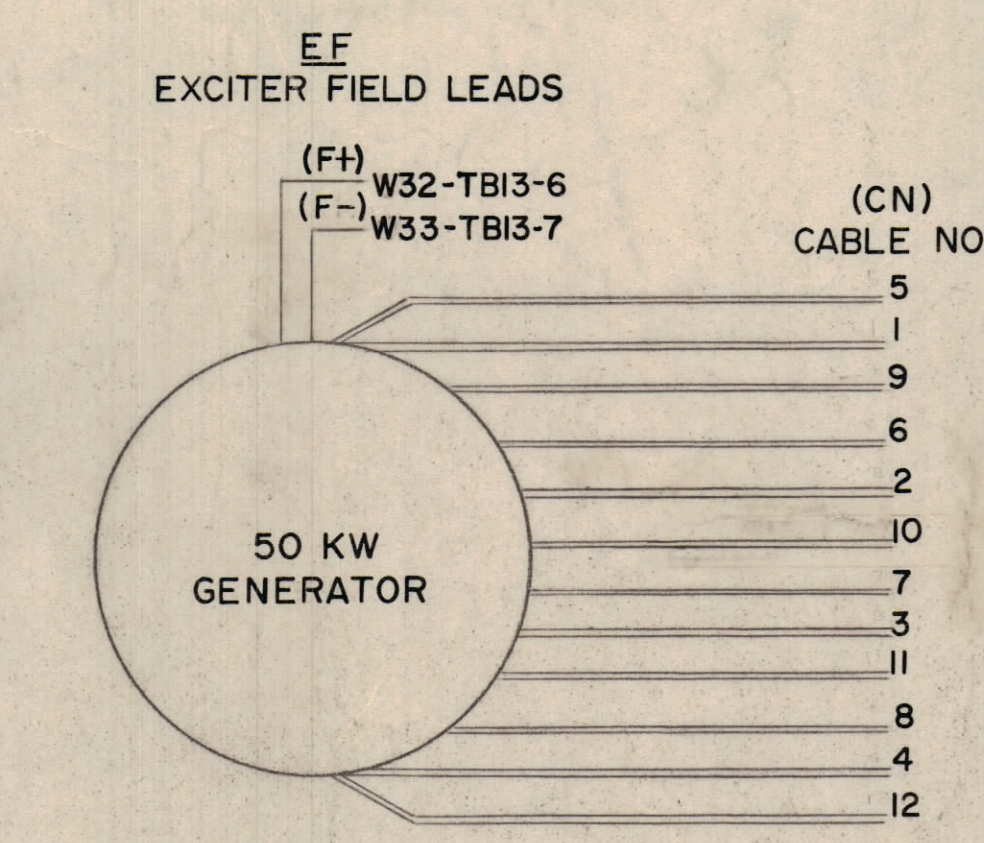
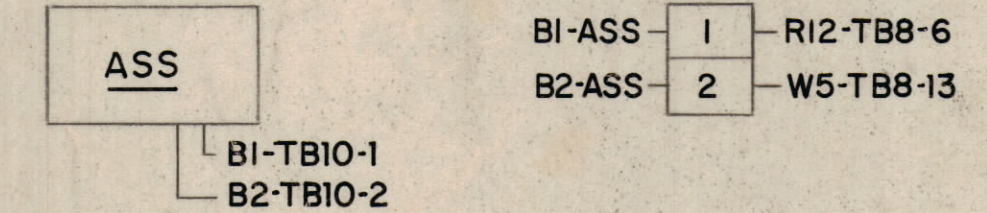
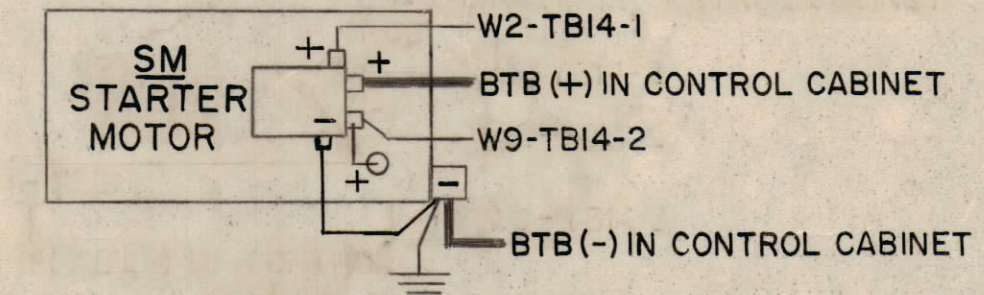
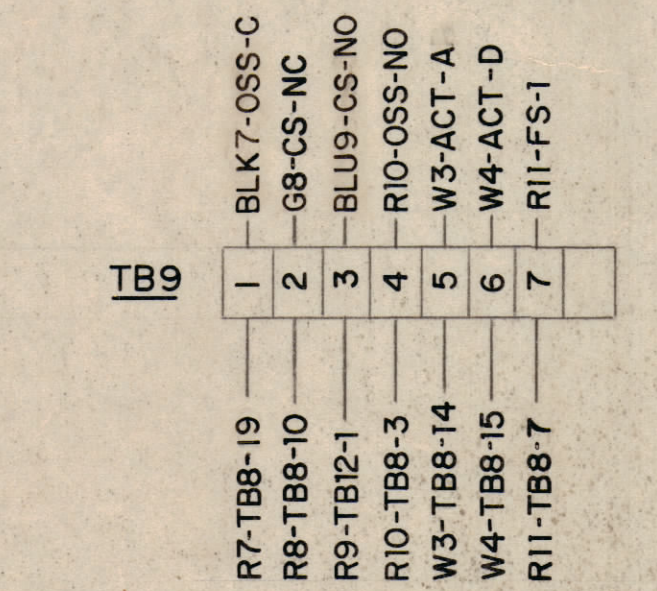
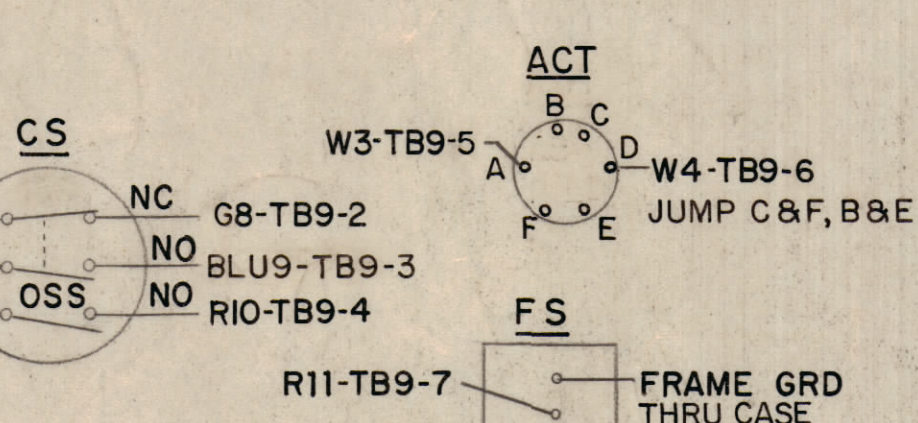
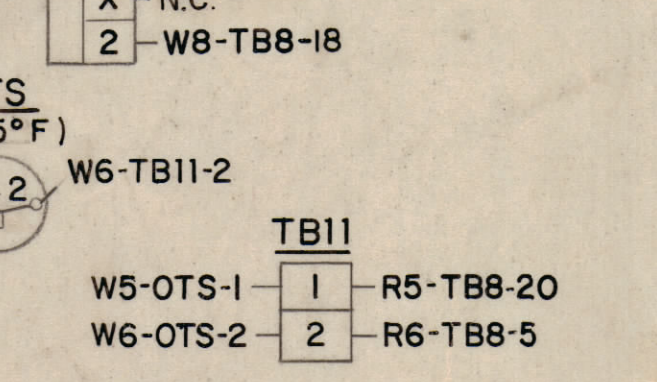
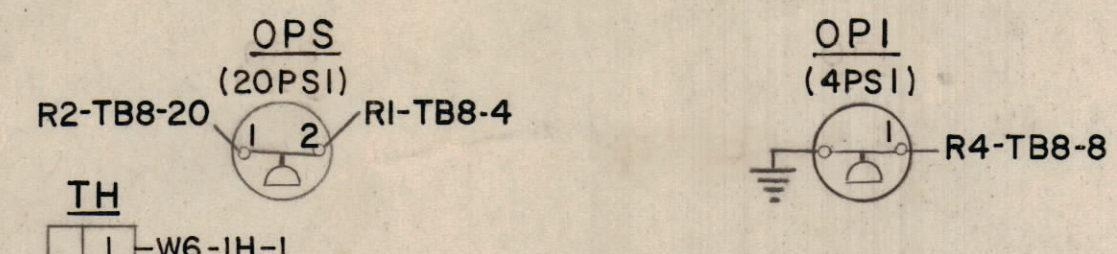
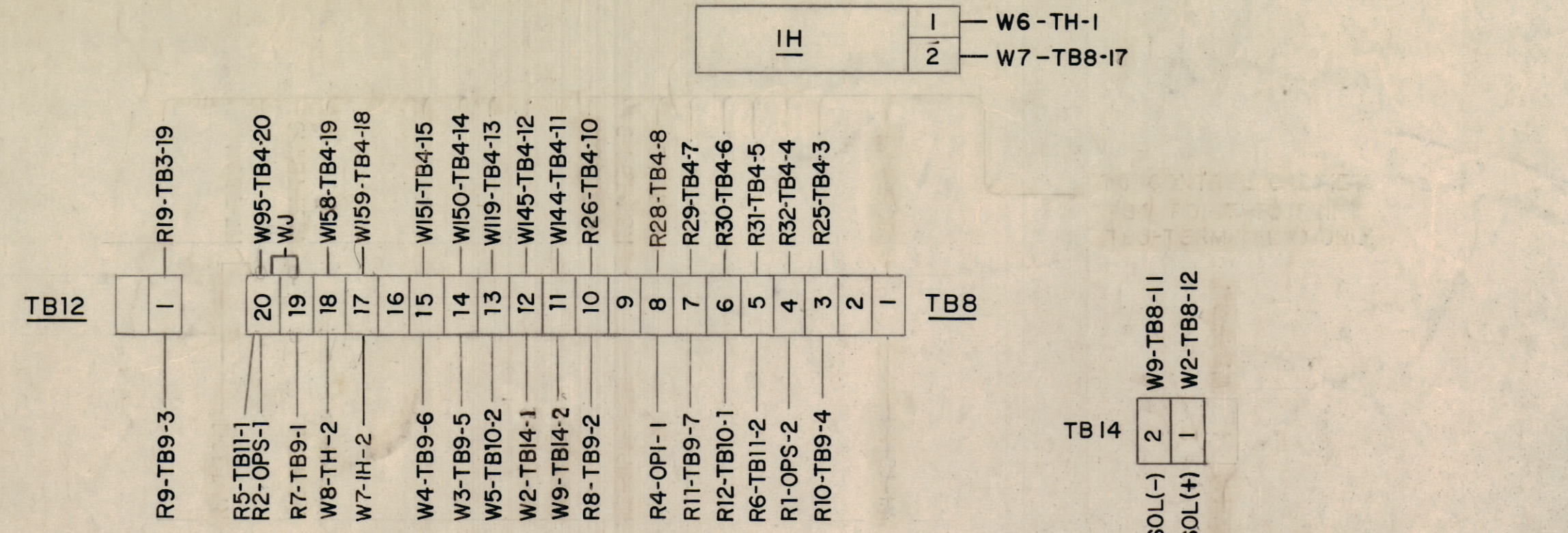


N	REVISED BCS WIRING	5/14/73	RMF	CKB
P	FAA COMMENTS	5/19/73	RMF	
Q	REVISED FSD & CHANGES AS PER Q.A. LIST NO. 0351 (6-7-73)	5/11/73	ESF	24

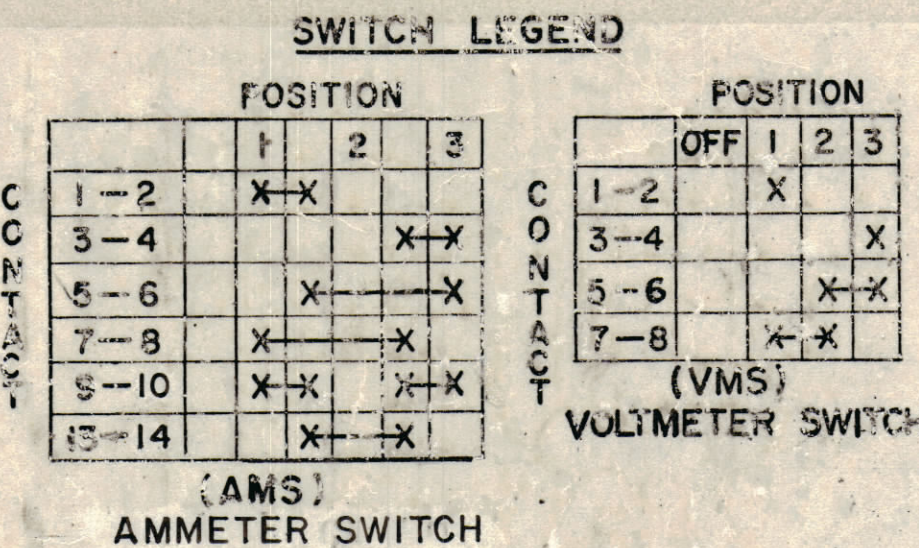
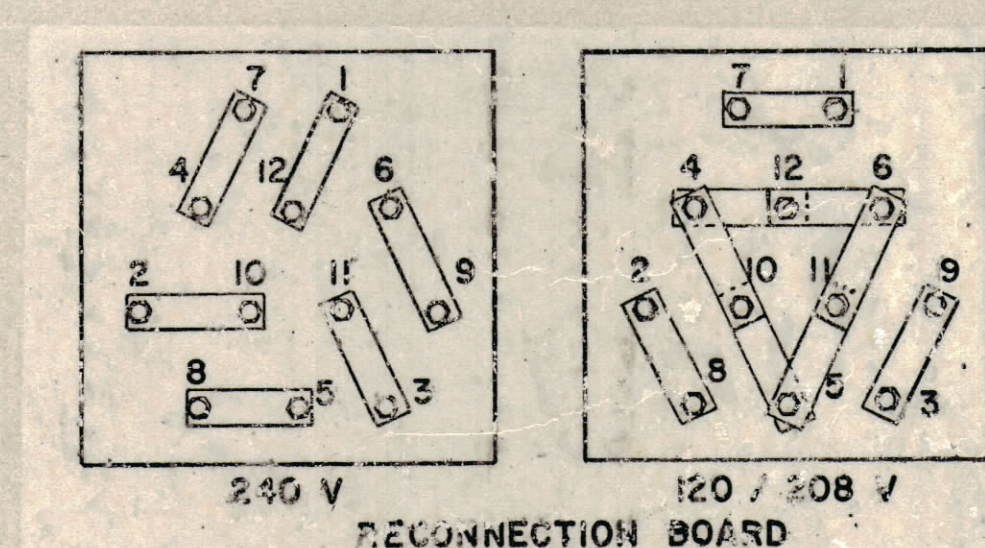
REVISIONS				
ZONE	LTR	DESCRIPTION	DATE	DRAFT
B		ENGINEERING CHANGE	2-7-73	CWF
C		AS BUILT	2-22-73	RMF
D		ENGINEERING CHANGE	3/10/73	RMF
E		FAA COMMENTS	3/19/73	RMF
F		ENGINEERING CHANGE	3/21/73	RMF
G		REVERSED W31 & G30 ON TB3, CORRECTED "FAA" REMOVED Q2 FROM TB3-9, REVISED Q278	3/23/73	RMF
H		REVISED "SM" & "LC" CONFIGURATION	4/12/73	RMF
J		ADDED INTERCONNECTIONS & DIODE REVERSED "PS"	4/26/73	RMF
K		CORRECTED PER FAA FIRST ARTICLE	4/28/73	RMF
L		AS BUILT	5/4/73	RMF
M		REMOVED R20, RELOCATED W98, ADDED J	5/19/73	RMF



GENERATOR WIRING

NOMENCLATURE

ACT	ACTUATOR, GOVERNOR	MP	MAGNETIC PICK-UP
AM	AC AMMETER	N	NEUTRAL
AMS	AMMETER SWITCH	NL	NORMAL POWER LINE
ASS	AIR SHUTDOWN SOLENOID	OCR	OVERCRANK RELAY (1-NO, 1-NC)
AVA	AUTOMATIC VOLTAGE ADJUST	OCL	OVERCRANK LIGHT (RED)
BCO	BATTERY CHARGER OVERLOAD BREAKER	OCT	OVERCRANK TIMER RELAY (1-NO)(TO 60 SEC.)
BCC	BATTERY CHARGER SWITCH (2 POLE)	OLX	AUXILIARY PILOT RELAY (3-NO, 1-NC)
BCT	BATTERY CHARGER TIMER (1-NC)(TO 1 HOUR)	OPI	OIL PRESSURE INTERLOCK SWITCH (1-NC)(OPEN 4 PSI)
BCCX	BATTERY CHARGER AUXILIARY RELAY (2-NO, 1-NC)	OPL	OIL PRESSURE LIGHT (RED)
BEC	EQUALIZING CHARGE PUSHBUTTON (MOMENTARY)	OPR	OIL PRESSURE RELAY (1-NO, 1-NC)
BTS	BATTERY CHARGER TEST SWITCH (1-NC)	OPS	OIL PRESSURE SWITCH (1-NC)(CLOSE 20 PSI)
BTB	BATTERY TERMINAL BOARD	OPT	OIL PRESSURE TIMER RELAY (1-NO)(TO 60 SEC.)
CB	CIRCUIT BREAKER, GENERATOR	OPX	OIL PRESSURE AUXILIARY RELAY (2-NO)
CI	CRANKING INTERRUPTER	OSL	OVERSPEED LIGHT (RED)
CS	CENTRIFUGAL SWITCH (1-NO, 1-NC) AT 600 RPM	OSR	OVERSPEED RELAY (2-NO, 1-NC)
CT1, 2, 3	CURRENT TRANSFORMERS	OSS	OVERSPEED SWITCH (1-NO)(CLOSE 2160 RPM)
CT4	CROSS CURRENT COMPENSATION TRANSFORMER	OTL	OVER TEMPERATURE LIGHT (RED)
CRH	COMPENSATION RHEOSTAT	OTR	OVER TEMPERATURE RELAY (1-NO, 1-NC)
DAR	DROOP ADJUST RHEOSTAT	OTS	OVER TEMPERATURE SWITCH (1-NO)(CLOSE 225°F)
DCA	DC AMMETER	PI	PLUG, GOVERNOR
DCL	DC CONTROL INDICATOR LIGHT (GREEN)	PS	PARALLELING SWITCH (1-NC)
ECT	EQUALIZING CHARGE TIMER (1-NC)(TO 8 HOURS)	PX	BATTERY CHARGER POWER RELAY (2-NO)
ELT	EXTENDED LOAD TEST RELAY (1-NO, 1-NC)	R	RESISTANCE
ELS	EXTENDED LOAD STOP SWITCH (1-NO, 1-NC)	SC	STARTING MOTOR CONTACTOR (1-NO)
ELTL	EXTENDED LOAD TEST LIGHT (AMBER)	SCX	STARTING CONTACTOR AUXILIARY RELAY (2-NO, 1-NC)
ESCS	EMERGENCY STOP AND CONTROL CUTOFF SWITCH	SDT	SHUTDOWN TIMER (1-NO)(TO 3 MIN.)
ETM	ELAPSED TIME METER	SOL	STARTING SOLENOID
FAR	FREQUENCY ADJUST RHEOSTAT	SRTS	SAFETY RESET AND LAMP TEST SWITCH (4-NC, 4-NO)
FM	FREQUENCY METER	TB	TERMINAL BOARD
FS	FUEL SOLENOID (FUEL RACK CONTROL)	TH	THERMOSTAT, IMMERSION HEATER
FSD	FREQUENCY SENSING DEVICE (1-NO)	TS	TRANSFER SWITCH (3-NO, 3-NC), AUX. SW (6-NO, 2-NC)
FU	FUSE	TVR	TEMPERATURE COMPENSATED VOLTAGE SENSING RELAY (1-NC)
IH	IMMERSION HEATER	TX	TRANSFORMER, BATTERY CHARGER
IHS	IMMERSION HEATER SWITCH (2 POLE)	VFS	VOLTAGE AND FREQUENCY METER
GCB	GOVERNOR CONTROL BOX	VM	VOLTMETER, AC
LB	LOAD TEST JACKS	VMS	VOLTMETER SWITCH
LC	LOADBANK CONTACTOR (4-NO)	VR	VOLTAGE REGULATOR
LCS	LOADBANK CONTACTOR SWITCH (1-NO, 1-NC)	VRS	VOLTAGE REGULATOR SWITCH
LTS	LOAD TEST SWITCH (1-NC, 1-NO)	J	JUMPER
M	MOTOR		
MVA	MANUAL VOLTAGE ADJUST		



QTY REQ	QTY REQ	QTY REQ	ITEM	PART NO.	MANUFACTURER	DESCRIPTION	SYM
				PARTS LIST			
				THE TMC SYSTEMS AND POWER CORPORATION SPRINGFIELD, VIRGINIA			
				50 KW ENGINE GENERATOR SET WIRING DIAGRAM (ENGINE GENERATOR)			
				SIZE	CODE IDENT NO	DWG. NO.	REV
				D	24146	CK1805	Q
				SCALE			SHEET 2 OF 2

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
DIMENSIONING MIL-STD-8 SURFACE ROUGHNESS MIL-STD-10 ABBREVIATIONS MIL-STD-12 ELECTRONIC SYMBOLS MIL-STD-15 WELDING SYMBOLS JAN-STD-19	FRACTIONS ANGLES DECIMALS
AX719	MATERIAL
NEXT ASSY USED ON	FINISH
APPLICATION	

DRAWN	DATE	DATE	DATE	DATE	DATE	DATE	DATE
MITCH	12-21-72	6-11-73					
CHECKED							
D. ENG.							
P. ENG.							
P. MGR.							
CHIEF, ENG. DEPT.							
FAA QRO							

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