

- A1 CONVERTER, THERMAL WATT
A2 CONVERTER, FREQUENCY
A3 CONTROL CUBICLE
A4 CONTROL PANEL RELAY ASSEMBLY
A5 DC RELAY ASSEMBLY

A7 RESISTOR ASSY, CURRENT XFMR LOAD
A8 LOAD MEASURING UNIT
A10 VOLTAGE REGULATOR ASSY
A11 EXCITER ASSEMBLY

- A27 SPECIAL RELAY BOX
A29 TACTICAL RELAY BOX
CB2 CIRCUIT BREAKER ASSEMBLY
CB3 CIRCUIT BREAKER, CONVENIENCE RCPT
CR1 DIODE, FULL WAVE BRIDGE
CR4 DIODE, FULL WAVE BRIDGE

- DS4, DS5 LIGHT, SYNCHRONIZING
G1 GENERATOR
K2 RELAY, OVER VOLTAGE
K6 RELAY, REMOTE VOLTAGE SENSING
K7 RELAY, PAR LIGHTS VOLTAGE SENSOR

- K13 RELAY, SHORT CIRCUIT
K14 RELAY, OVERLOAD
K15 RELAY, REVERSE POWER

- M6 METER, FREQUENCY
M7 METER, KILOWATT
M8 AMMETER, AC
M9 VOLTMETER

- R2 RHEOSTAT, VOLTAGE ADJUSTING
R3, R4, R5 RESISTOR
R6, R7, R8 RESISTOR
R9, R10, R23 RESISTOR
R24, R25 RESISTOR

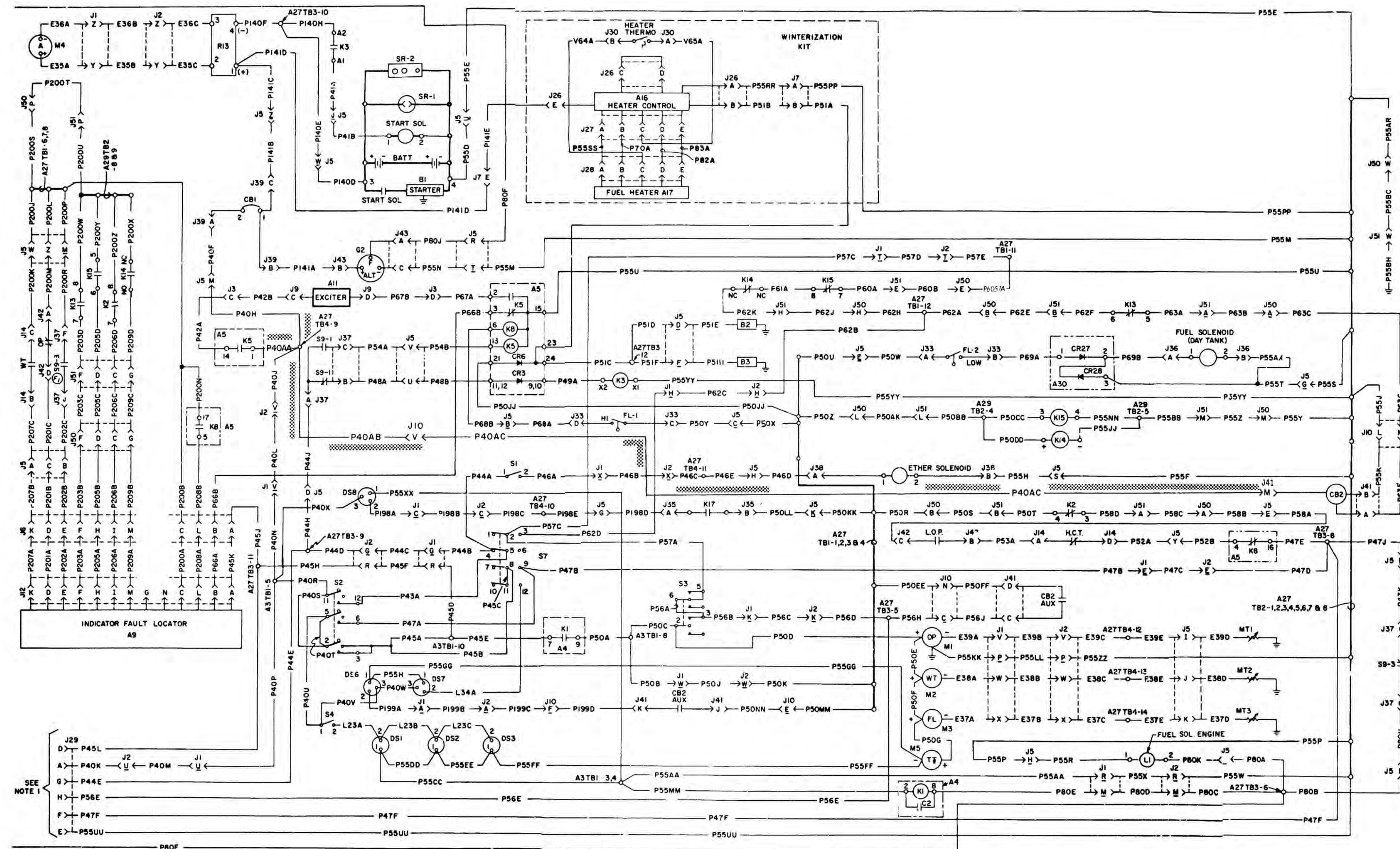
- R29 RHEOSTAT, REACTIVE CURRENT
S5 SWITCH, LOCAL-REMOTE VOLTAGE
S6 SWITCH, UNIT PARALLEL
8 SWITCH, AMMETER-VOLTMETER XFR

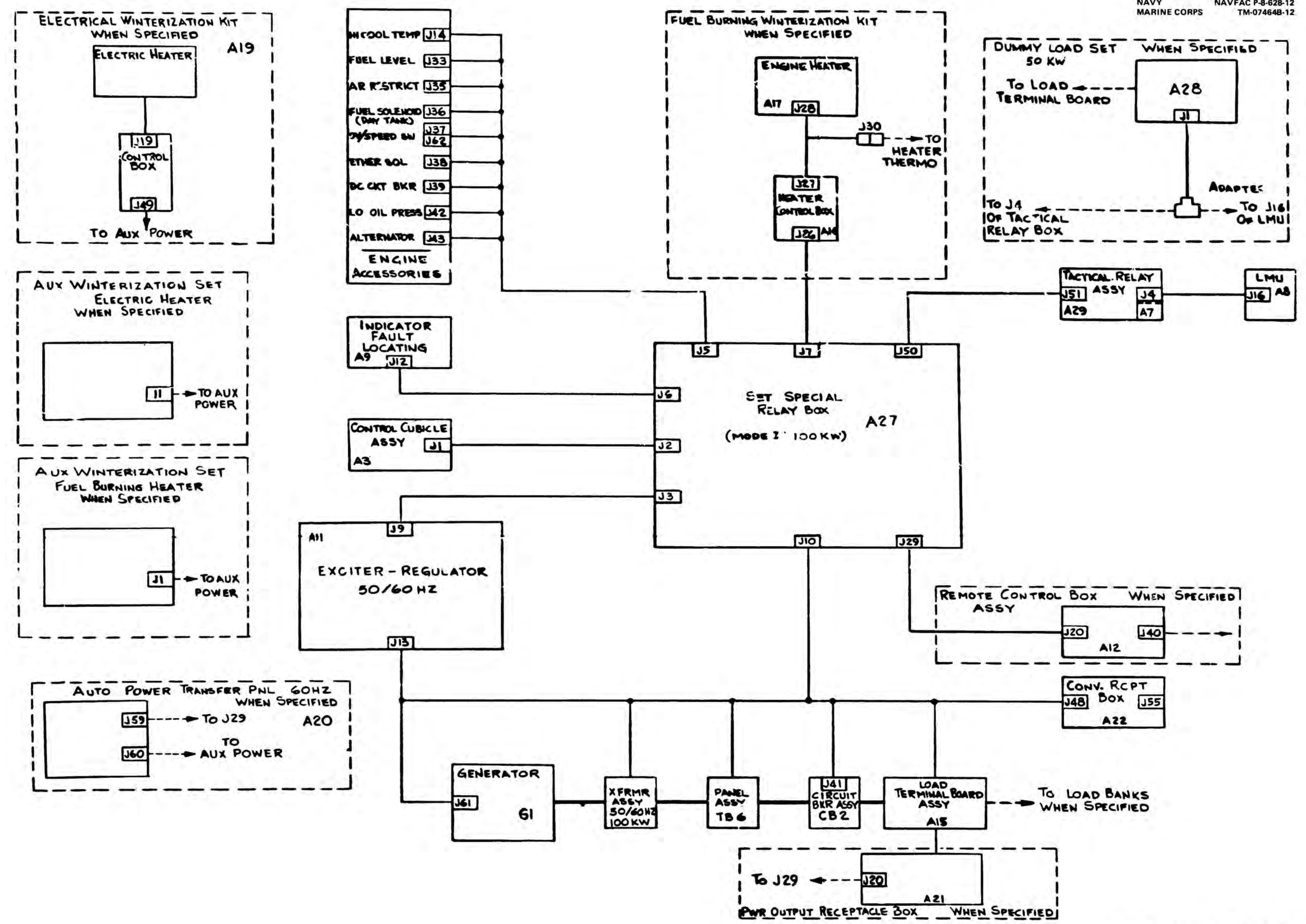
- TB6 TERMINAL BOARD RECONNECTION

TB6		
TERMINALS CONNECTED TOGETHER		
120/208 VOLT CONNECTION	240/416 VOLT CONNECTION	
1-7	4-10	4-7
2-8	5-11	5-8
3-9	6-12	6-9

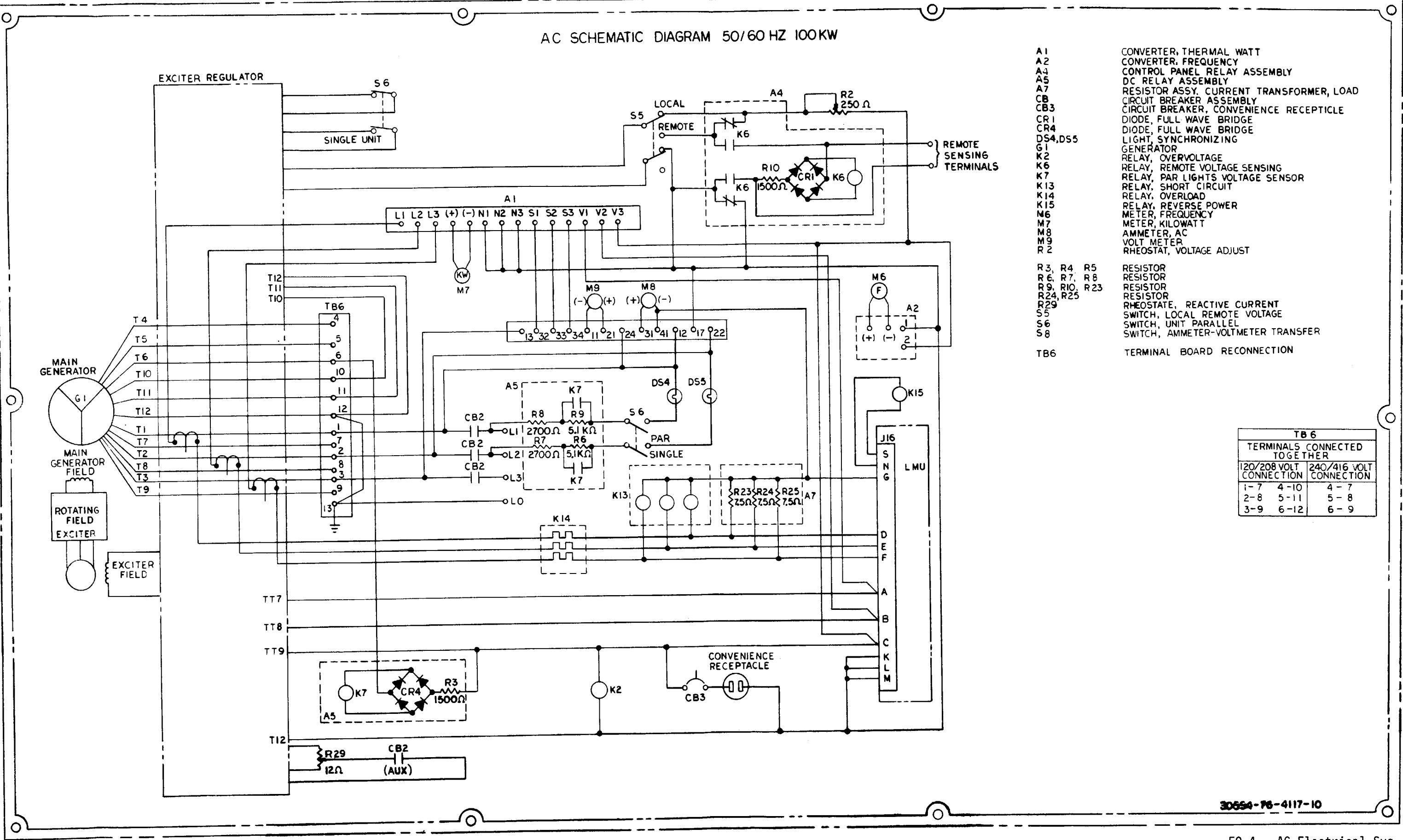
F0-1. AC Troubleshooting Diagram

M17		SWITCH, AIR CLEANER RESTRICTION
MT1		OIL PRESSURE SENDING UNIT
MT2		WATER TEMPERATURE SENDING UNIT
MT3		FUEL LEVEL SENDING UNIT
M1		METER, OIL PRESSURE
M2		METER, COOLANT TEMPERATURE
M3		METER, FUEL LEVEL
M4		AMMETER, BATTERY CHARGING
M5		MFETER, TOTAL TIME
OP		SWITCH, OIL PRESSURE
R13		SHUNT - M4
SR-1		RECEPTACLE, SLAVE
SR-2		RECEPTACLE, SLAVE
S9-1		START-DISCONNECT AND FIELD FLASH
S9-2	SPEED	NOT USED
S9-3	SWITCH	OVERSPEED
S1		SWITCH, ENGINE PRIMER
S2		SWITCH, START - RUN - STOP
S3		SWITCH, CONTACTOR
S4		SWITCH, PANEL LIGHTS
S7		SWITCH, BATTLE - SHORT
WT		- SWITCH, COOLANT TEMPERATURE





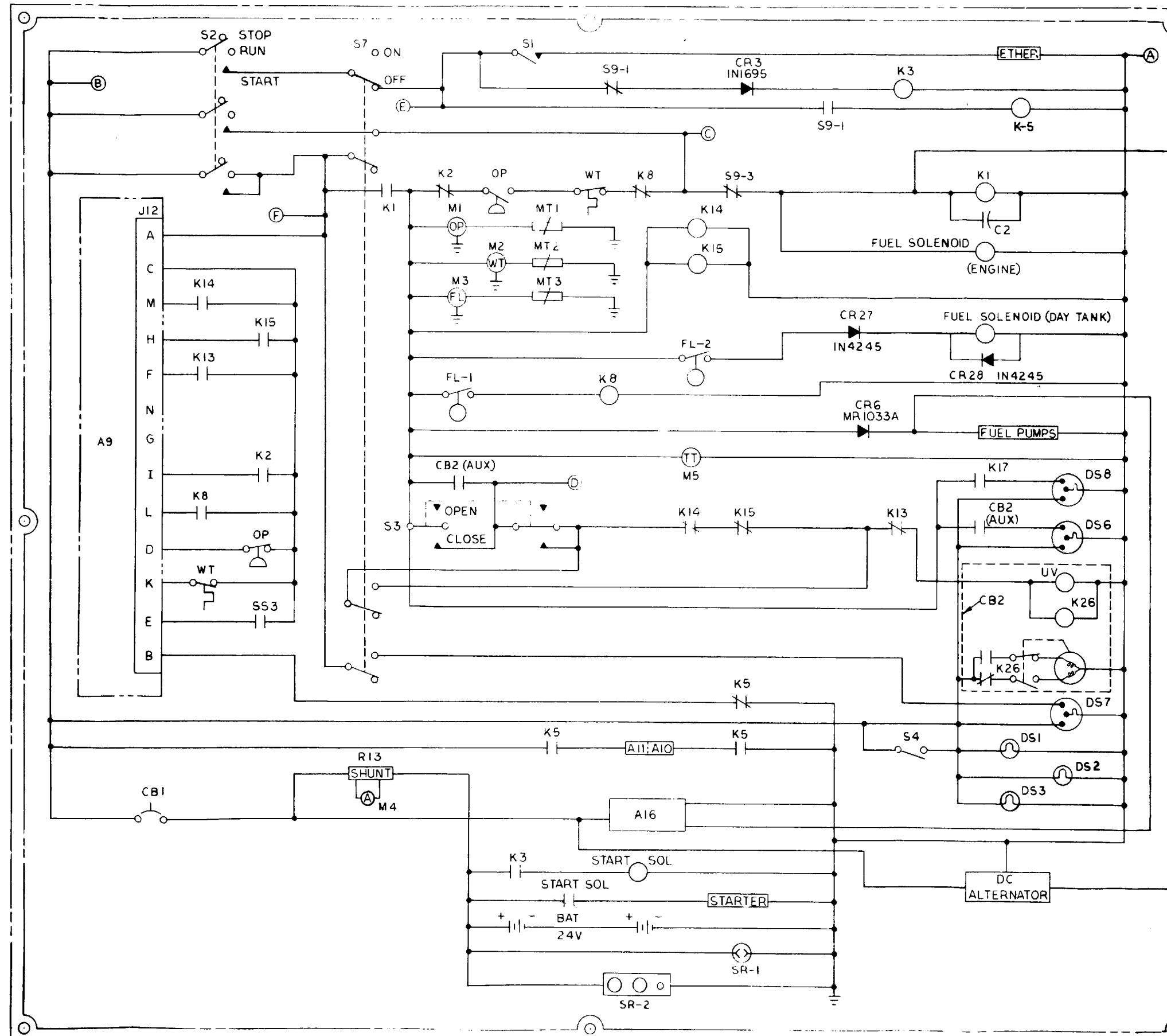
F0-3. Generator Set Inter-connection Diagram



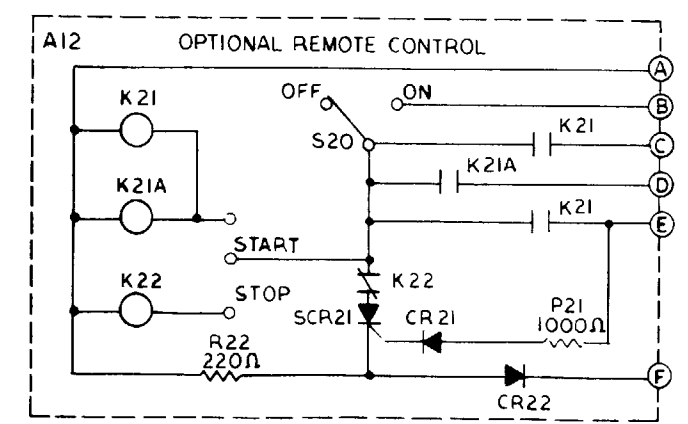
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F0-4. AC Electrical System, Schematic Diagram

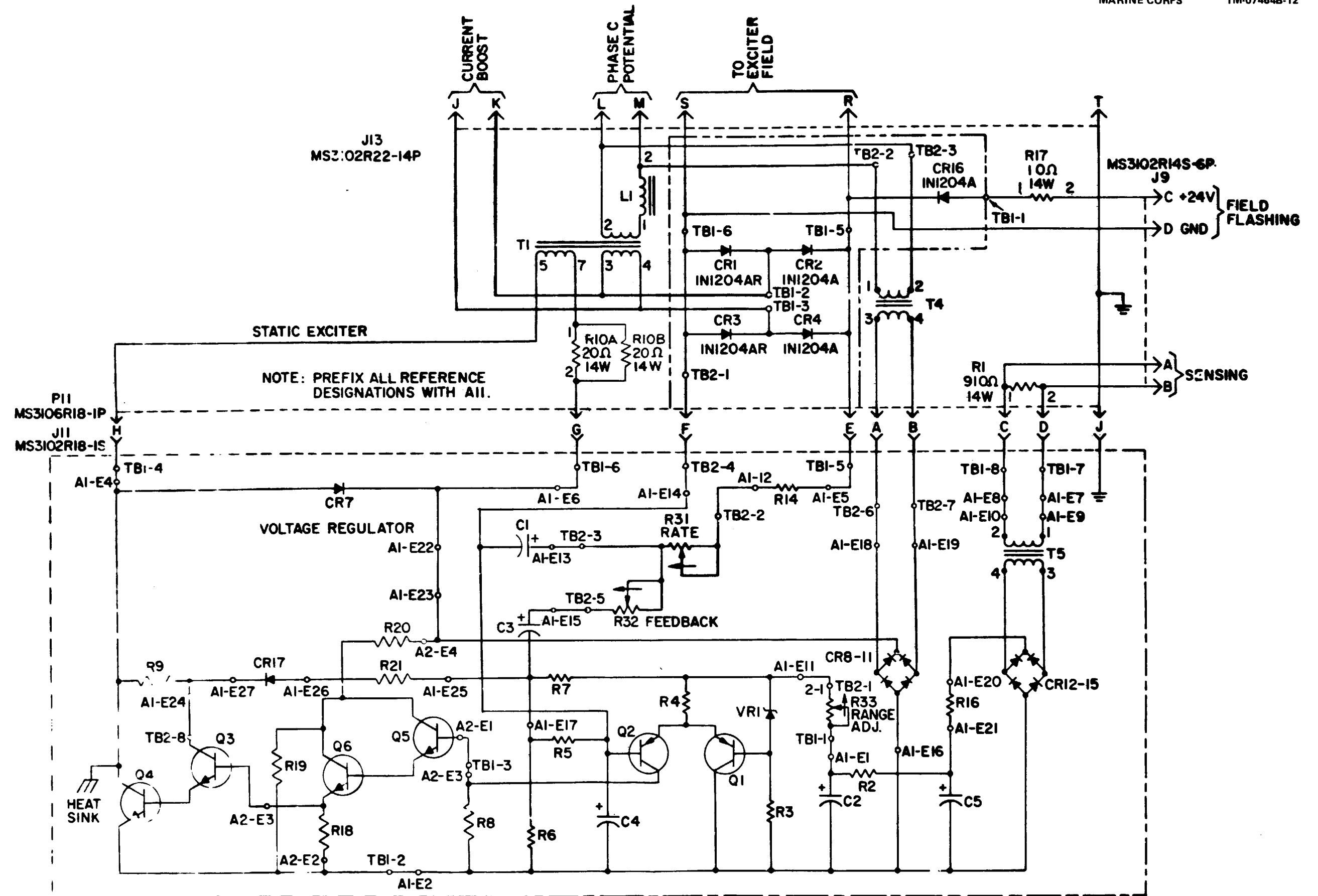
DC SCHEMATIC
DIAGRAM 50/60HZ
100KW



- A9 FAULT INDICATOR
- A10 VOLTAGE REGULATOR
- A11 EXCITER
- A16 HEATER CONTROL
- C2 CAPACITOR
- CB1 CIRCUIT BREAKER, DC
- CB2 CIRCUIT BREAKER ASSY.
- CR3, CR6 DIODE
- CR21, CR22 DIODE
- CR27, CR28 DIODE, RFI SUPPRESSION
- DS1, DS2, DS3 LIGHT, PANEL
- DS6 LIGHT, INDICATOR, CIRCUIT BREAKER
- DS7 LIGHT, PROTECTION BYPASS
- DS8 LIGHT, INDICATOR AIR CLEANER
- FL-1, FL-2 SWITCH, FUEL LEVEL
- K1 RELAY, STOP-RUN
- K2 RELAY, OVERVOLTAGE
- K3 RELAY, CRANK
- K5 RELAY, FIELD FLASH
- K8 RELAY, FUEL LEVEL
- K13 RELAY, SHORT CIRCUIT
- K14 RELAY, OVERLOAD
- K15 RELAY, REVERSE POWER
- K17 SWITCH, AIR CLEANER RESTRICTION
- K21, K21A RELAY, REMOTE START
- K22 RELAY, REMOTE STOP
- MT1 OIL PRESSURE SENDING UNIT
- MT2 WATER TEMPERATURE SENDING UNIT
- MT3 FUEL LEVEL SENDING UNIT
- M1 METER, OIL PRESSURE
- M2 METER, COOLANT TEMPERATURE
- M3 METER, FUEL LEVEL
- M4 AMMETER, BATTERY CHARGING
- M5 METER, TOTAL TIME
- OP SWITCH, OIL PRESSURE
- R13 SHUNT - M4
- R21, R22 RESISTOR
- SCR21 SILICON CONTROL RECTIFIER
- SR-1 RECEPTACLE, SLAVE
- SR-2 RECEPTACLE, SLAVE
- S9-1 START-DECONNECT AND FIELD FLASH
- S9-3 OVERSPEED
- S1 SWITCH, ENGINE PRIMER
- S2 SWITCH, START-RUN-STOP
- S3 SWITCH, CONTACTOR
- S4 SWITCH, PANEL LIGHTS
- S7 SWITCH, BATTLE-SHORT
- S20 SWITCH, REMOTE ON-OFF
- WT SWITCH, COOLANT TEMPERATURE



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F0-6. Exciter-Regulator A11, Schematic Diagram