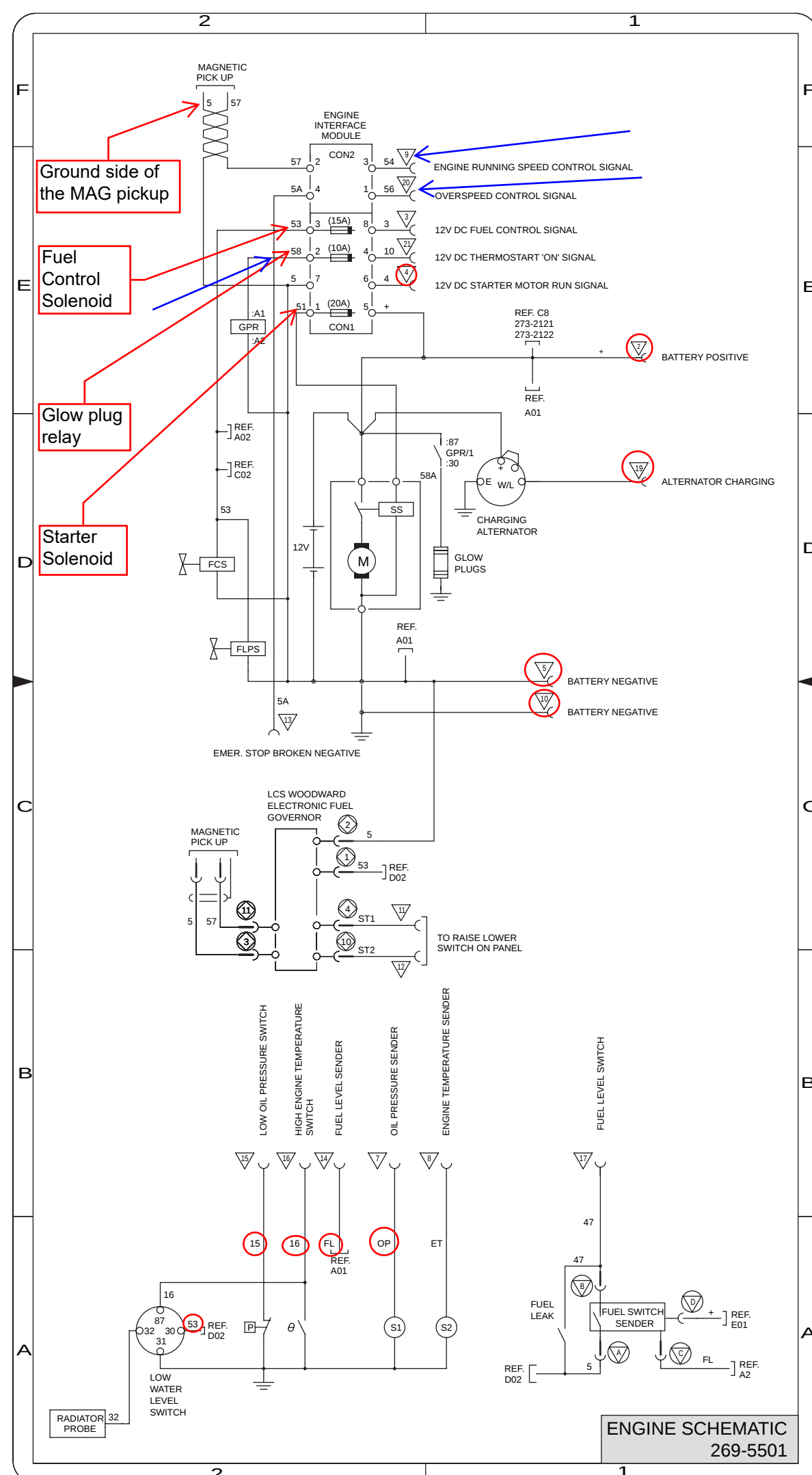




KENR5937
August 2007

Schematic

C3.3 and C4.4 Rental Generator Sets Electrical System

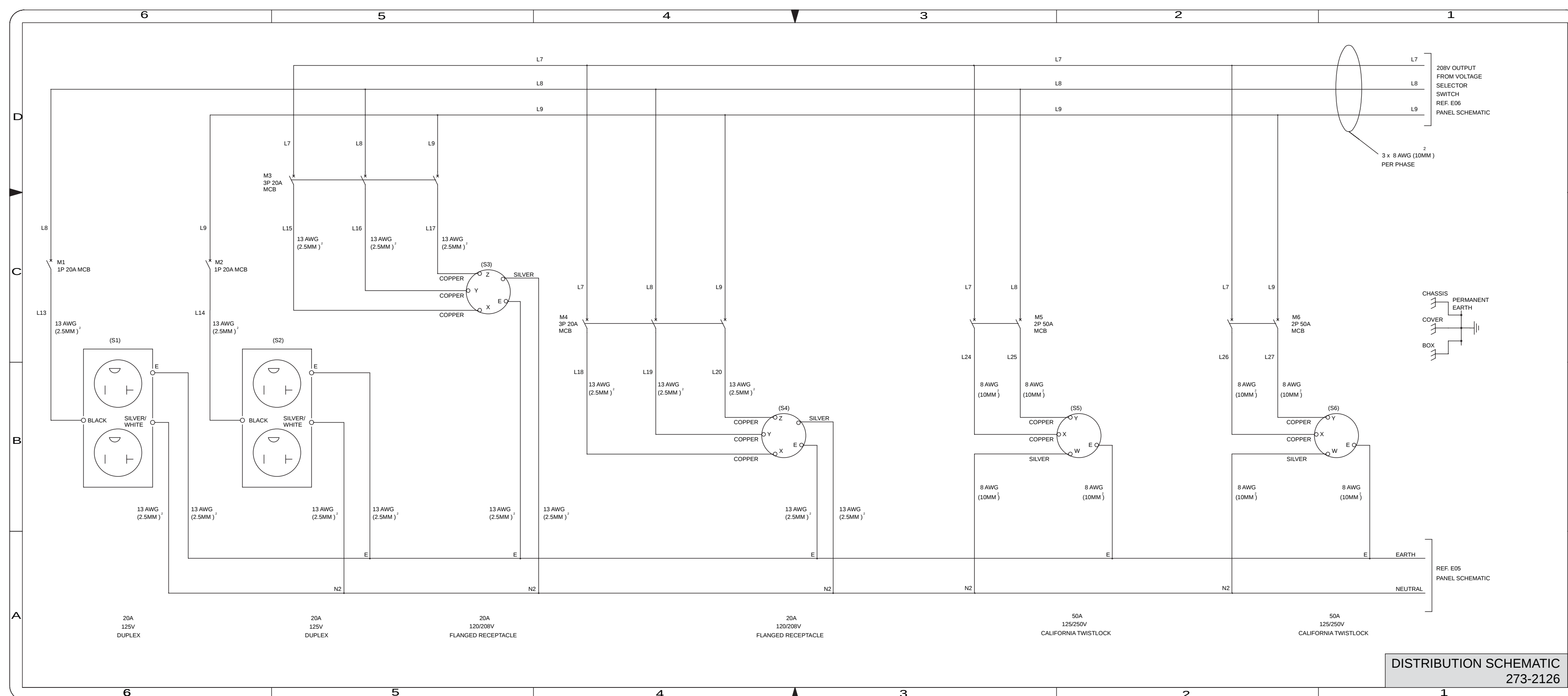
X3B1-UP
XYC1-UP
XYD1-UP
N4R1-UP
N3X1-UP
N4X1-UP

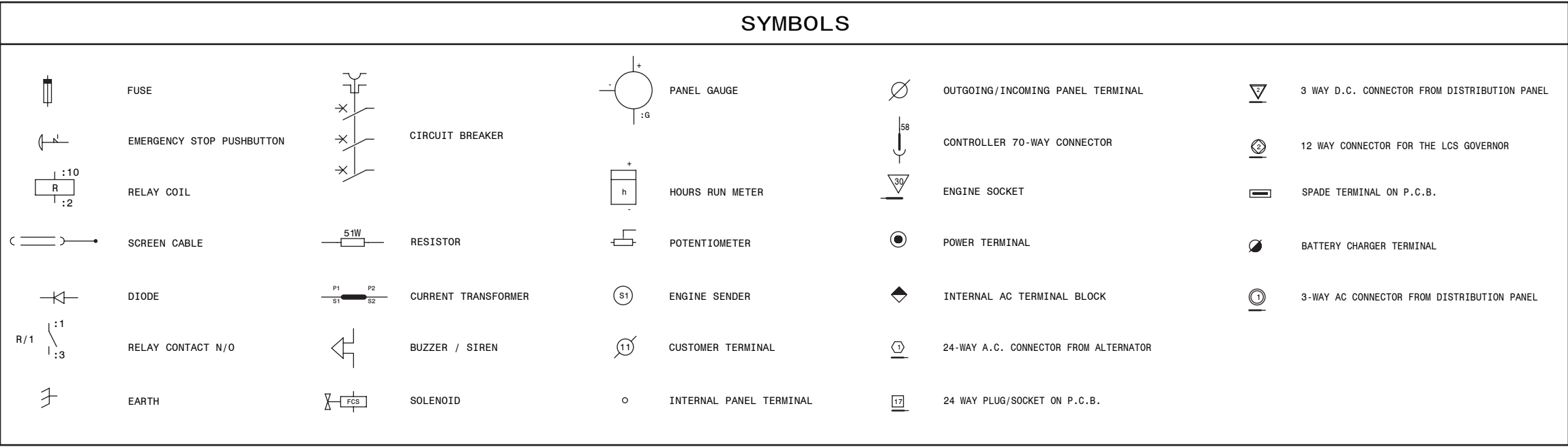
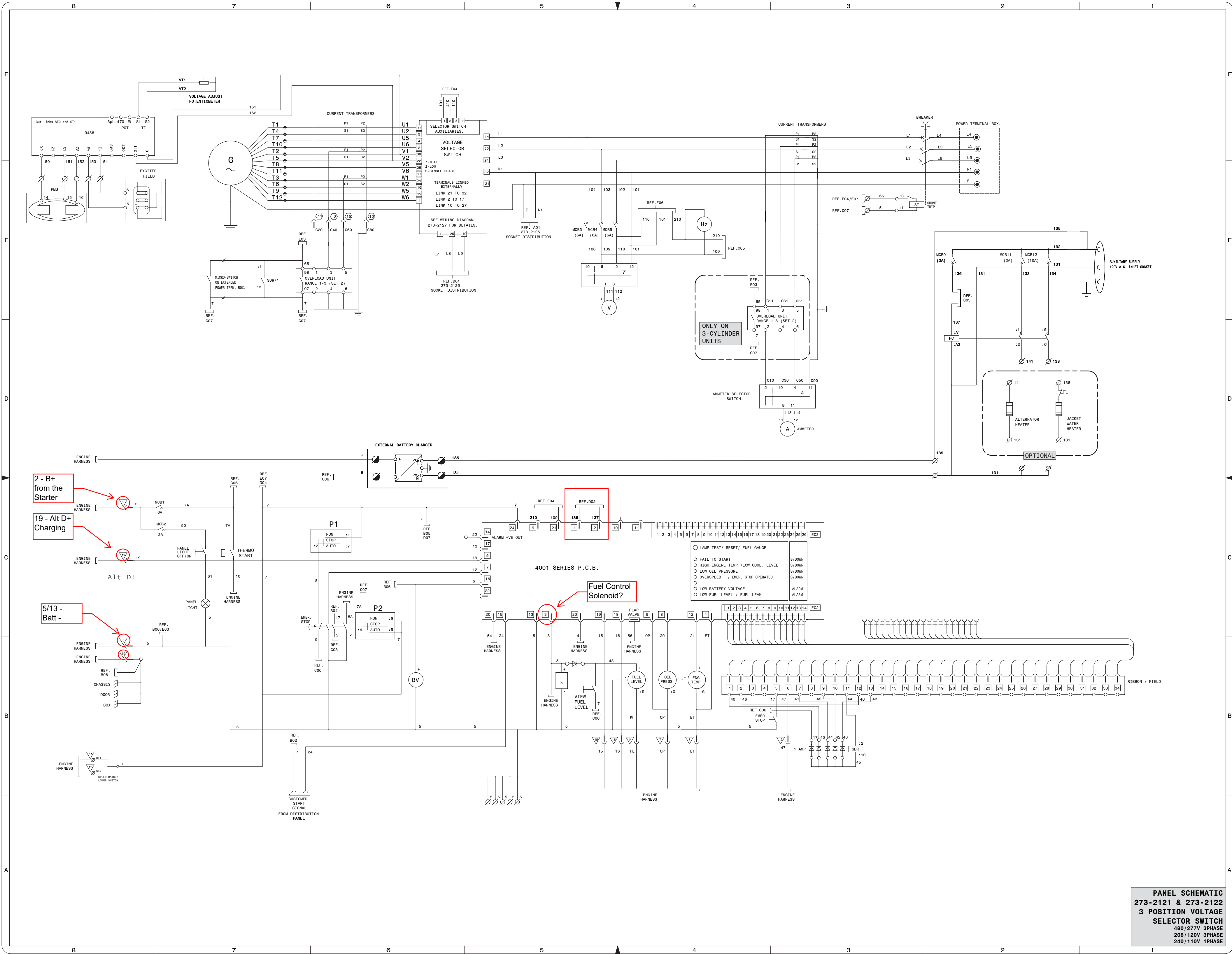
Related Electrical Service Manuals	
Title	Form Number
Operation & Maintenance Manual	SEBU8132

Volume 1 of 2: Generator Sets With Voltage Selector Switch

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ABBREVIATIONS	
AC	ALTERNATING CURRENT
ALR	ALARM RELAY
A.V.R.	AUTOMATIC VOLTAGE REGULATOR
DC	DIRECT CURRENT
FCS	FUEL CONTROL SOLENOID
FLPS	FUEL LIFT PUMP SOLENOID
FLR	FUEL LEVEL RELAY
GRR	GENERATOR RUN RELAY
I/P	INPUT
PMG	PERMANENT MAGNET GENERATOR
RLY	RELAY
SDR	SHUT DOWN RELAY
SRN	SCREEN FROM SCREEN CABLE
ST	SHUNT TRIP

THIS DIAGRAM IS FOR THE C3.3 AND C4.4 GENERATOR SETS WITH VOLT-AGE SELECTOR SWITCH.
S/N X3B1-UP,XYD1-UP, N3X1-UP AND N4X1-UP.
DIAGRAMS:

273-2121	CHG01	PANEL DIAGRAM(C3.3)
273-2122	CHG01	PANEL DIAGRAM(C4.4)
269-5501	CHG01	ENGINE DIAGRAM
273-2126	CHG00	DISTRIBUTION DIAGRAM
273-2127	CHG01	SWITCH DIAGRAM
269-5499	CHG00	OPTIONS DIAGRAM

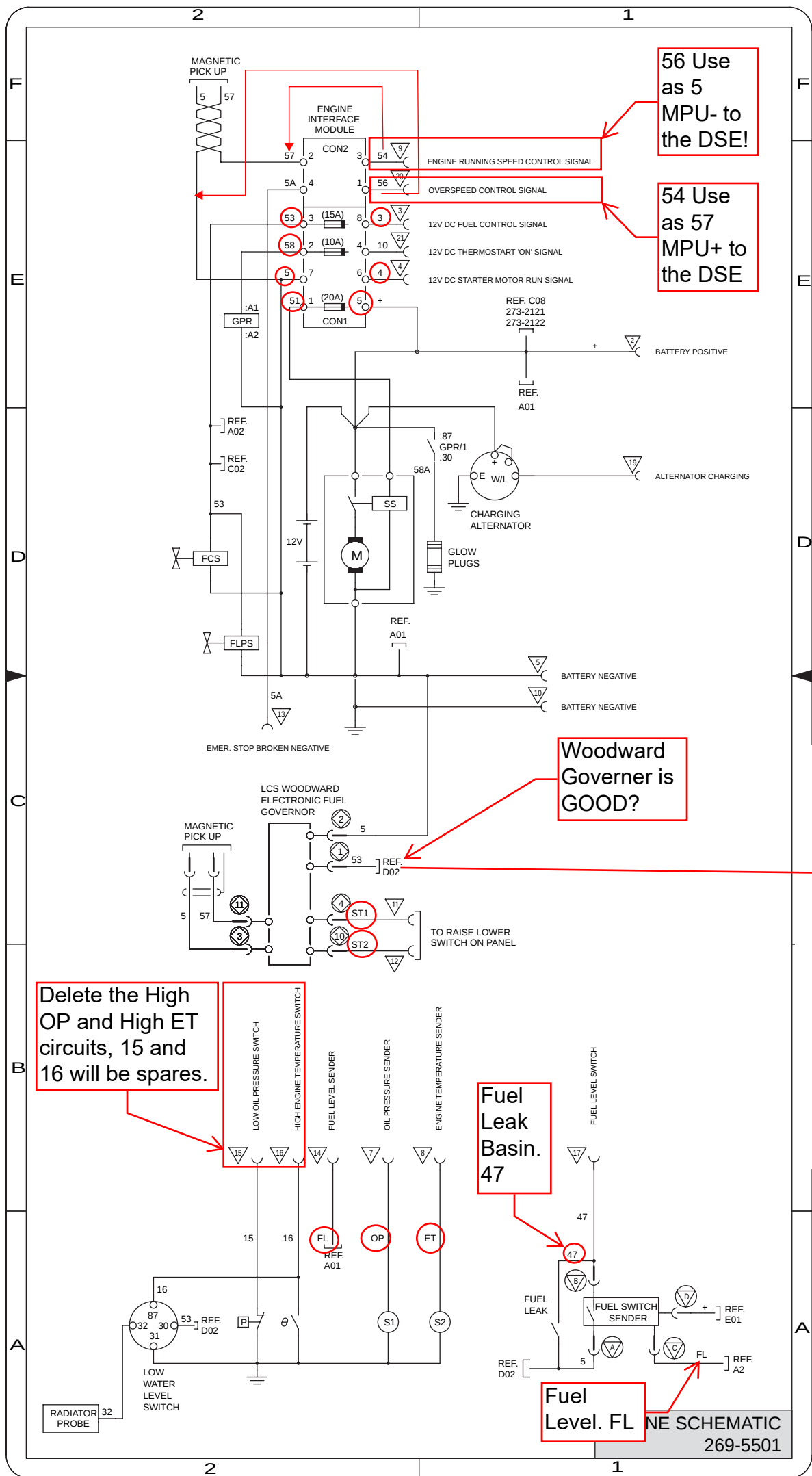
REFER TO THE APPROPRIATE SERVICE MANUAL FOR TROUBLESHOOTING SPECIFICATIONS AND SYSTEM OPERATIONS.

CUSTOMER WIRING AND OPTIONAL FEATURE WIRING SHOWN ARE RECOMMENDED.

ELIMINATION OF ANY COMPONENTS SHOWN WILL DISABLE CERTAIN FEATURES.

CONTACT CATERPILLAR ENGINEERING WHEN CONSIDERING COMPONENT REMOVAL.

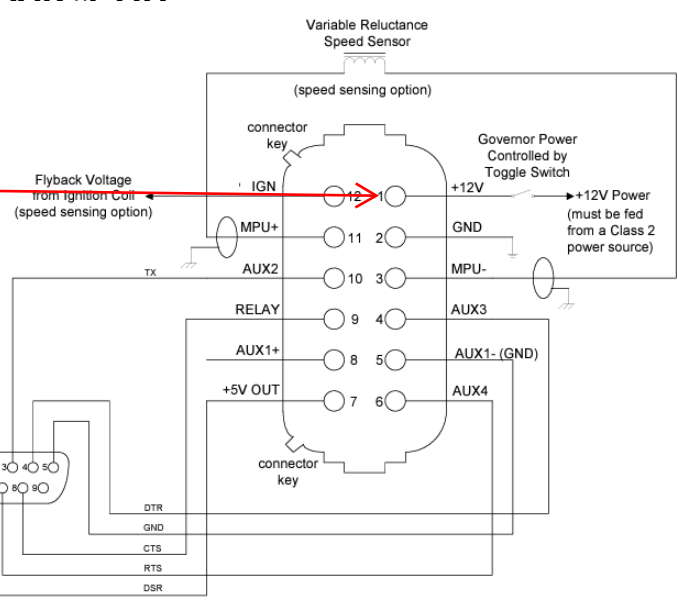
NO ADDITIONAL CONNECTIONS ARE ALLOWED TO ANY WIRES WITHOUT CATERPILLAR ENGINEERING APPROVAL.



Schematic

C3.3 and C4.4 Rental Generator Sets Electrical System

X3B1-UP

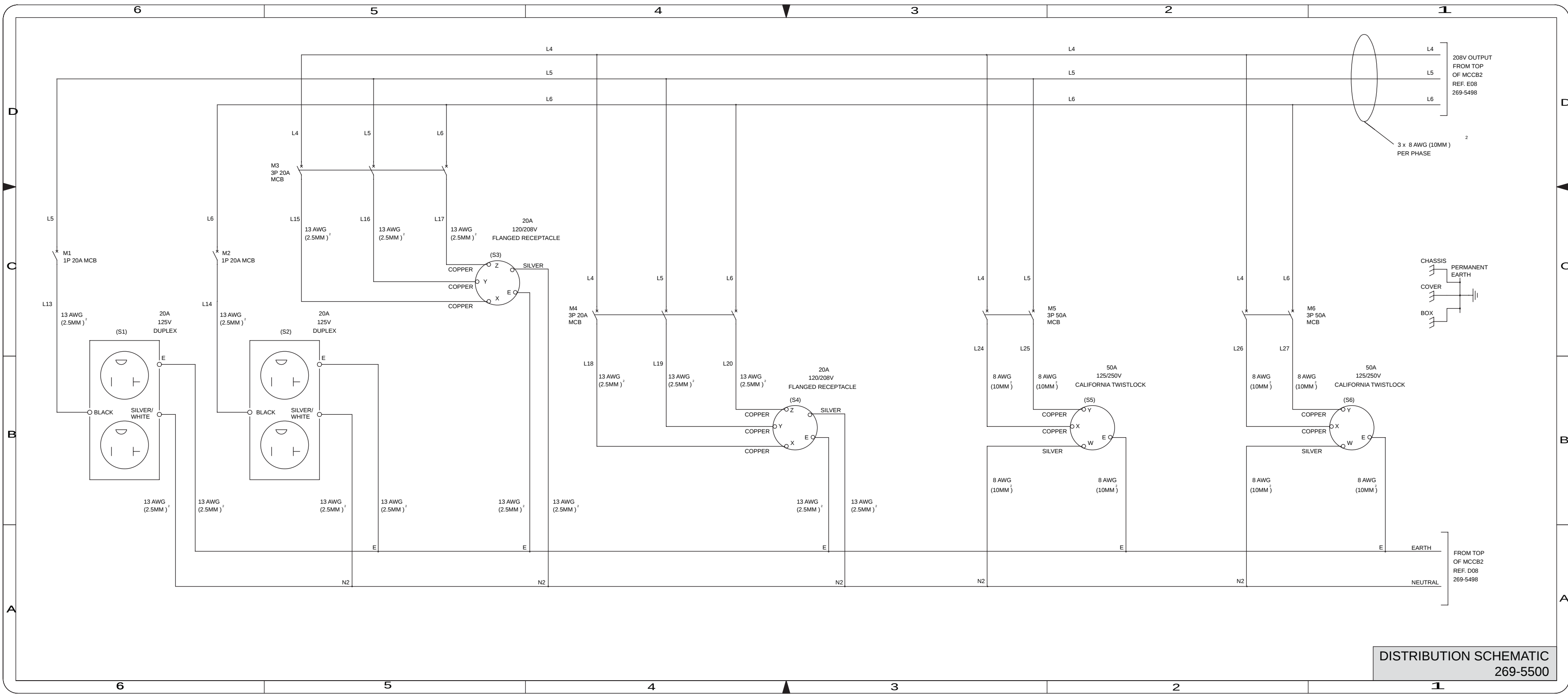


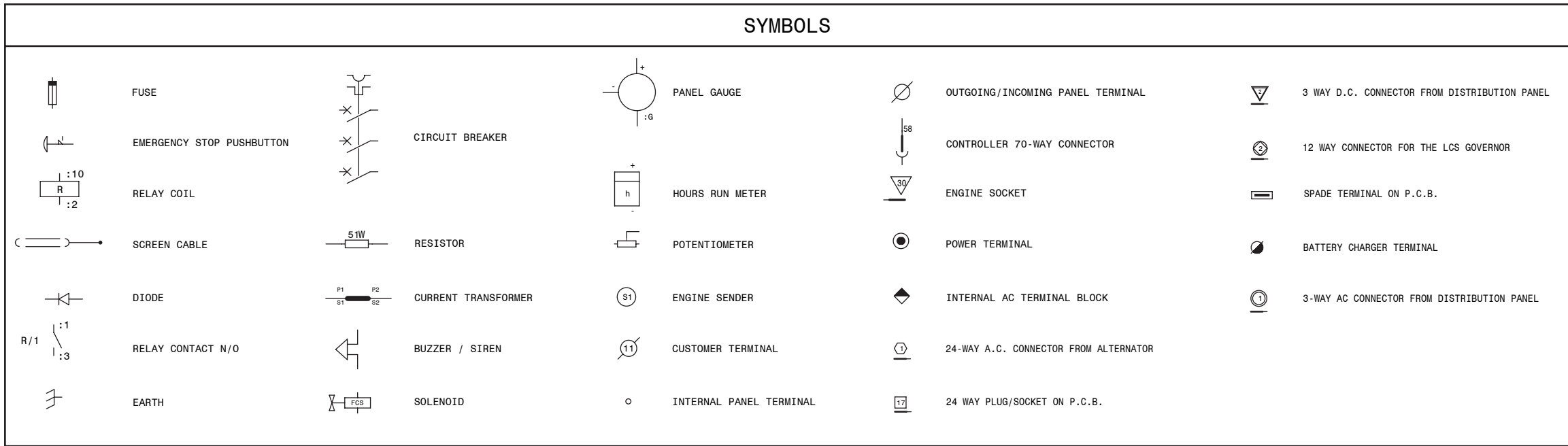
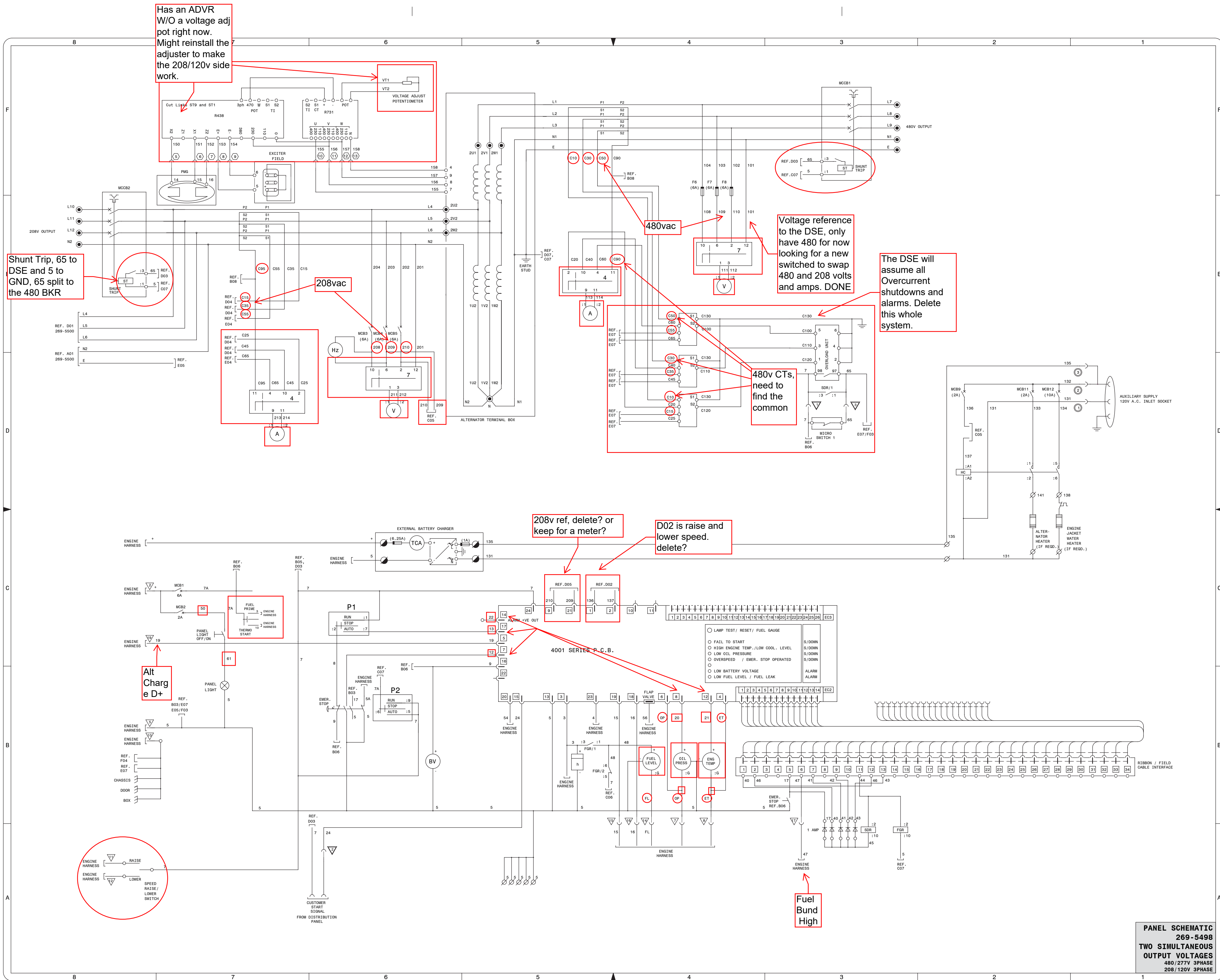
Volume 2 of 2: Generator Sets With Two Simultaneous Voltages

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Related Electrical Service Manuals	
Title	Form Number
Operation & Maintenance Manual	SEBU8132

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FCS	FUEL CONTROL SOLENOID
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FLR	FUEL LEVEL RELAY
GRR	GENERATOR RUN RELAY
I/P	INPUT
PMG	PERMANENT MAGNET GENERATOR
RLY	RELAY
SDR	SHUT DOWN RELAY
SRN	SCREEN FROM SCREEN CABLE
ST	SHUNT TRIP

THIS DIAGRAM IS FOR THE C4.4 GENERATOR SETS WITH TWO CONSTANT OUTPUT VOLTAGES.
S/N XYC1-UP AND N4R1-UP.
DIAGRAMS:

269-5498	CHG01 PANEL DIAGRAM
269-5501	CHG01 ENGINE DIAGRAM
269-5500	CHG00 DISTRIBUTION DIAGRAM
269-5499	CHG00 OPTIONS DIAGRAM

REFER TO THE APPROPRIATE SERVICE MANUAL FOR TROUBLESHOOTING SPECIFICATIONS AND SYSTEM OPERATIONS.

CUSTOMER WIRING AND OPTIONAL FEATURE WIRING SHOWN ARE RECOMMENDED.

ELIMINATION OF ANY COMPONENTS SHOWN WILL DISABLE CERTAIN FEATURES.

CONTACT CATERPILLAR ENGINEERING WHEN CONSIDERING COMPONENT REMOVAL.

NO ADDITIONAL CONNECTIONS ARE ALLOWED TO ANY WIRES WITHOUT CATERPILLAR ENGINEERING APPROVAL.