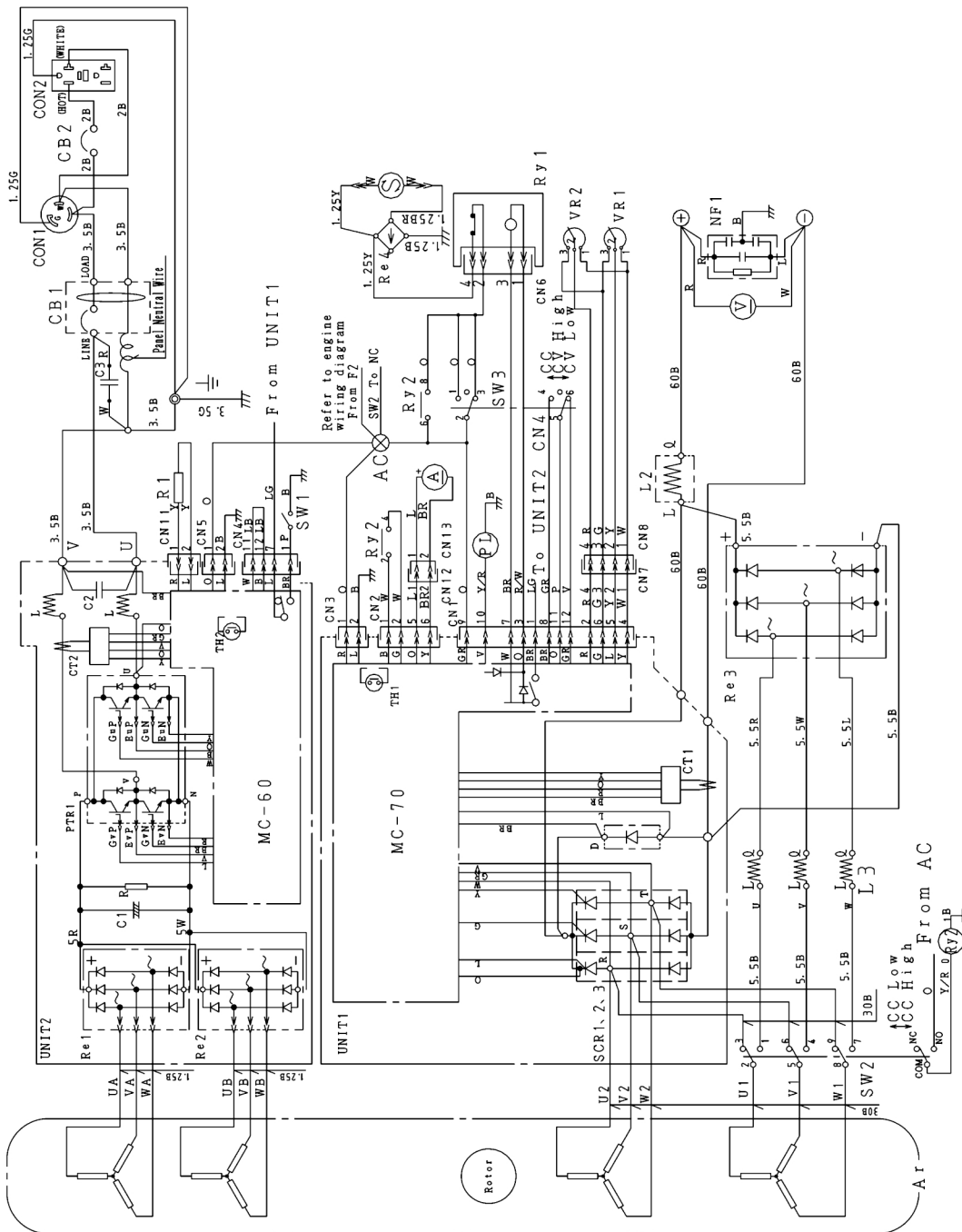


13. GENERATOR WIRING DIAGRAM



SYMBOL	PARTS NAME
Ar	Armature ass'y
Rotor	Rotor
UNIT1	Control Unit CA-51
MC-70	Control Board
SCR23	Thyristor
D	Diode
TH1	Thermostat Switch
CT1	Current Transformer
UNIT2	Control Unit CA-41
MC-60	Control Board
SCR23	Thyristor
D	Diode
TH2	Thermostat Switch
CT2	Current Transformer
C1	Capacitor
C2	Capacitor
C3	Capacitor
S	Rotary Solenoid
SW1	Switch, Ideal Control
SW2	Welding Main Selector (CC LOW/CC HIGH, CV HIGH&LOW)
SW3	Welding Sub Selector (CV HIGH/CV LOW/CC HIGH)
VR1	CC Current Regulator
VR2	CV Voltage Regulator
PL	Warning Lamp (for Over Load)
L2	DC Reactor
L3	AC Reactor
RY1	Relay
RY2	Relay
RY3	Relay
Re3	Rectifier
Re4	Rectifier
NF1	Surge Filter
⊕	Output Terminal, Welding
CB1	AC Circuit Breaker (GFCI)
CB2	AC Circuit Breaker (for CON2)
CON1	AC Output Receptacle
CON2	AC Output Receptacle (GFCI)
R1	Resistor
Ⓢ	DC Voltmeter
Ⓢ	DC Ammeter
⊗	Terminal Board
⊖	Ground Terminal (for GFCI)

Wire Size	WIRING COLOR	CODE
1.25	L. 2.5	RED
2.0	L. 2.0	BLACK
3.5	L. 3.5	BLUE
5.5	L. 5.5	BROWN
30	L. 30	GREEN
60	L. 60	GRAY
NO MARK: 0.75		
		PINK

SYMBOL	COLOR	SYMBOL	COLOR
B	BLACK	R	RED
L	BLUE	W	WHITE
BR	BROWN	Y	YELLOW
G	GREEN	LB	LIGHT BLUE
GR	GRAY	LG	LIGHT GREEN
V	VIOLET	O	ORANGE
P	PINK		

Terminal Board	Terminal	Wire	Color
CN1	1	W	White
CN1	2	R	Red
CN1	3	B	Black
CN1	4	L	Blue
CN1	5	BR	Brown
CN1	6	G	Green
CN1	7	GR	Gray
CN1	8	V	Violet
CN1	9	O	Orange
CN1	10	P	Pink

14. ENGINE WIRING DIAGRAM

