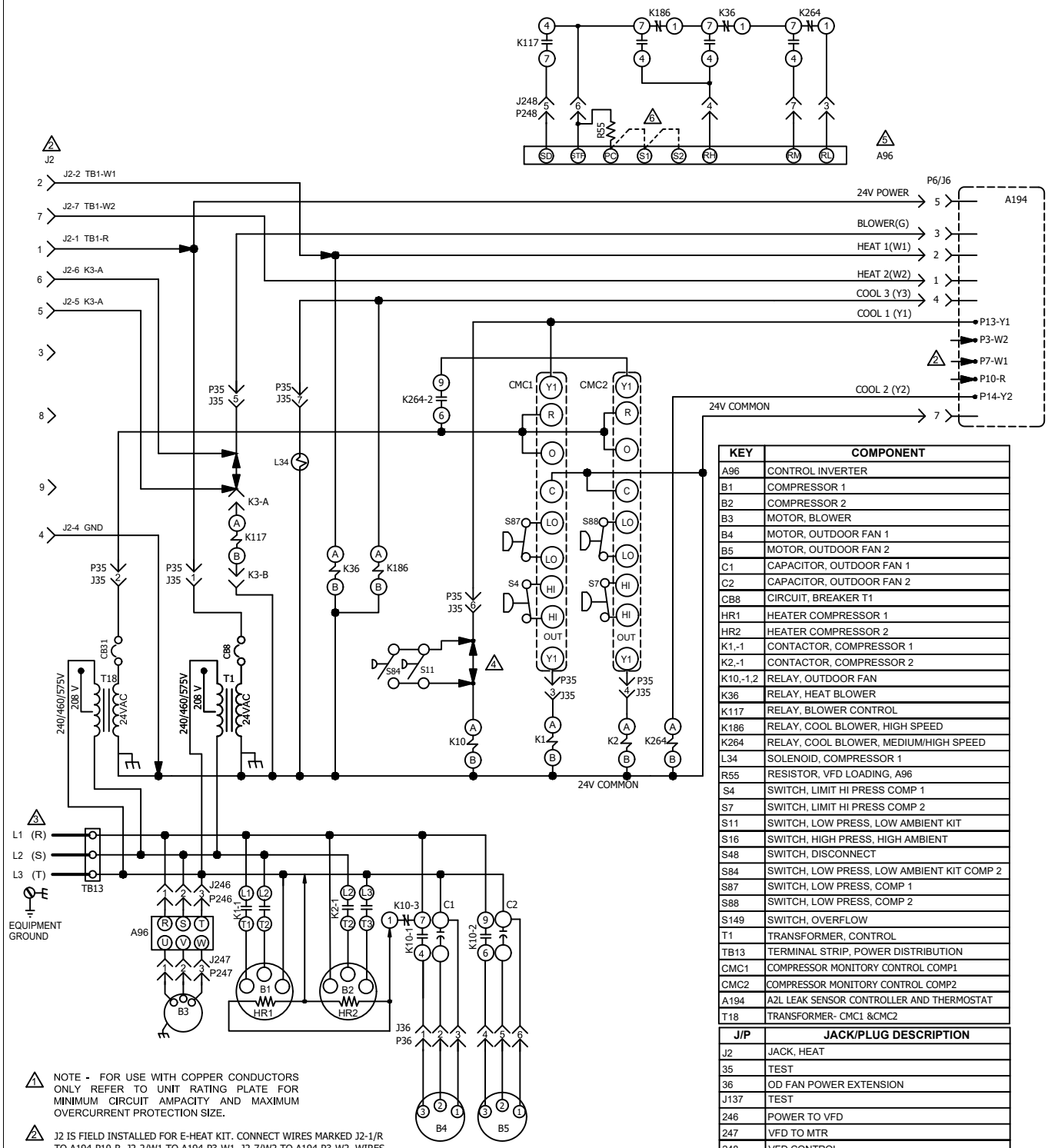

KEY	COMPONENT
A96	CONTROL INVERTER
B1	COMPRESSOR 1
B2	COMPRESSOR 2
B3	MOTOR, BLOWER
B4	MOTOR, OUTDOOR FAN 1
B5	MOTOR, OUTDOOR FAN 2
C1	CAPACITOR, OUTDOOR FAN 1
C2	CAPACITOR, OUTDOOR FAN 2
CB8	CIRCUIT, BREAKER T1
HR1	HEATER COMPRESSOR 1
HR2	HEATER COMPRESSOR 2
K1,-1	CONTACTOR, COMPRESSOR 1
K2,-1	CONTACTOR, COMPRESSOR 2
K10,-1,2	RELAY, OUTDOOR FAN
K36	RELAY, HEAT BLOWER
K117	RELAY, BLOWER CONTROL
K186	RELAY, COOL BLOWER, HIGH SPEED
K264	RELAY, COOL BLOWER, MEDIUM/HIGH SPEED
L34	SOLENOID, COMPRESSOR 1
R55	RESISTOR, VFD LOADING, A96
S4	SWITCH, LIMIT HI PRESS COMP 1
S7	SWITCH, LIMIT HI PRESS COMP 2
S11	SWITCH, LOW PRESS, LOW AMBIENT KIT
S16	SWITCH, HIGH PRESS, HIGH AMBIENT
S48	SWITCH, DISCONNECT
S84	SWITCH, LOW PRESS, LOW AMBIENT KIT COMP 2
S87	SWITCH, LOW PRESS, COMP 1
S88	SWITCH, LOW PRESS, COMP 2
S149	SWITCH, OVERFLOW
T1	TRANSFORMER, CONTROL
TB13	TERMINAL STRIP, POWER DISTRIBUTION
CMC1	COMPRESSOR MONITORY CONTROL COMP1
CMC2	COMPRESSOR MONITORY CONTROL COMP2
A194	A2L LEAK SENSOR CONTROLLER AND THERMOSTAT
T18	TRANSFORMER- CMC1 &CMC2

J/P	JACK/PLUG DESCRIPTION
J2	JACK, HEAT
35	TEST
36	OD FAN POWER EXTENSION
J137	TEST
246	POWER TO VFD
247	VFD TO MTR
248	VFD CONTROL

DENOTES OPTIONAL COMPONENTS

LINE VOLTAGE FIELD INSTALLED

1. NOTE - FOR USE WITH COPPER CONDUCTORS ONLY REFER TO UNIT RATING PLATE FOR MINIMUM CIRCUIT AMPACITY AND MAXIMUM OVERCURRENT PROTECTION SIZE.

2. J2 IS FIELD INSTALLED FOR E-HEAT KIT. CONNECT WIRES MARKED J2-1/R TO A194-P10-R, J2-2/W1 TO A194-P3-W1, J2-7/W2 TO A194-P3-W2. WIRES MARKED J2-5/K3-A J2-6/K3-A, TO BE INSTALLED IN-LINE WITH GREEN K3-A WIRE. WIRE MARKED J2-GND TO BE CONNECTED TO GND TAB ON CONTROL PANEL.

3. S48 OR CB10 MAY BE USED

4. S11/S84 USED IN LOW AMBIENT KIT. S11 / S11-84 ARE INCLUDED IN LOW AMBIENT CONNECT HARNESS BETWEEN K10-A AND S11/S84

5. MITSUBISHI VFD

6. RESTORE JUMPER WIRING IF PREVIOUSLY USED

NOTE - IF ANY WIRE IN THIS APPLIANCE IS REPLACED IT MUST BE REPLACED WITH WIRE OF LIKE SIZE, RATING, TERMINATION AND INSULATION THICKNESS

WARNING - ELECTRIC SHOCK HAZARD, CAN CAUSE INJURY OR DEATH UNIT MUST BE GROUNDED IN ACCORDANCE WITH NATIONAL AND LOCAL CODES

DISCONNECT ALL POWER BEFORE SERVICING.

2025/04	WIRING DIAGRAM 538551-01	04/25
	COOLING-MSAV-VFD	
	ZCD,ZGD-120,150	
	SECTION B	REV 1
Supersedes 538305-01	New Form No. 538551-01	