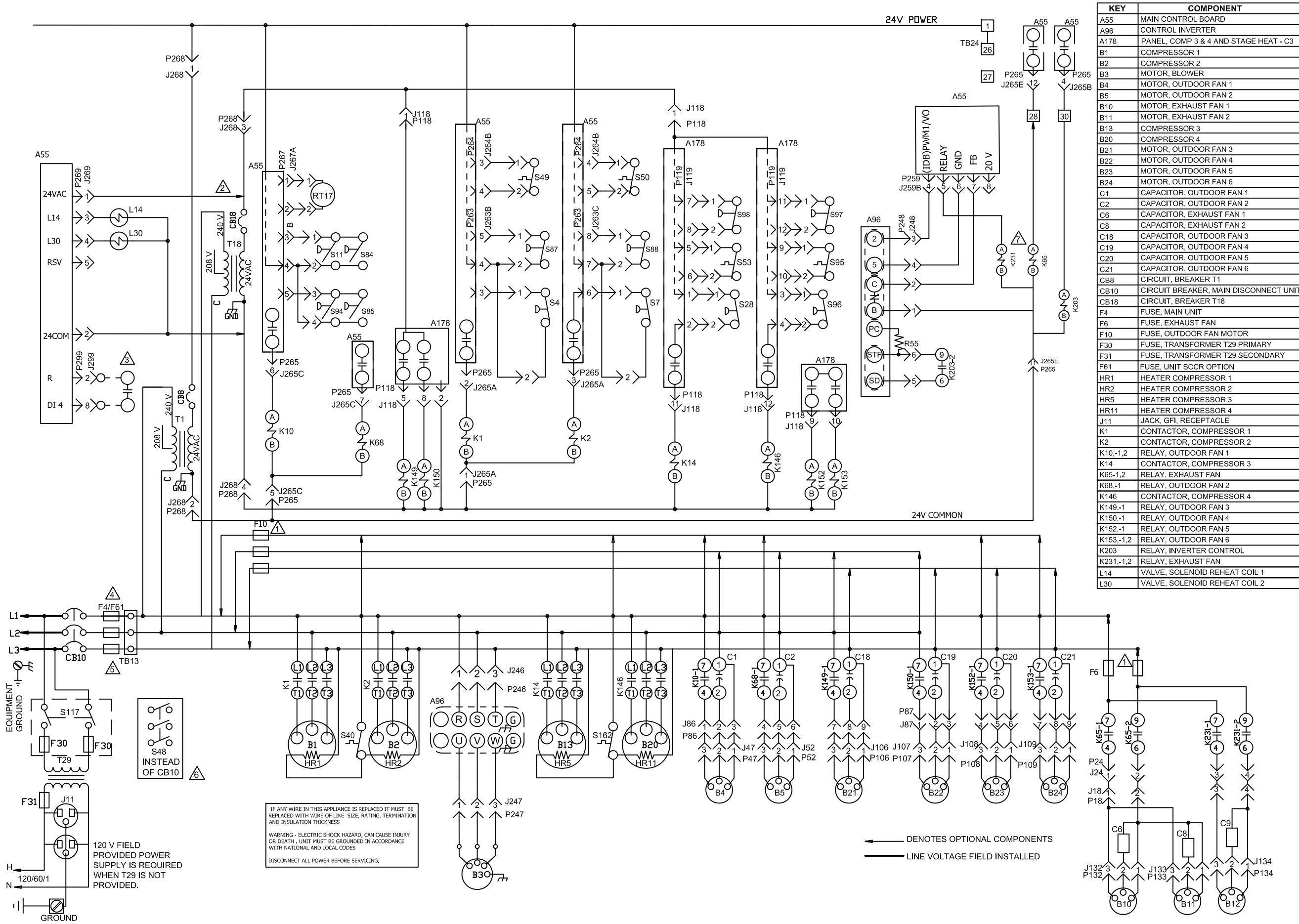




KEY	COMPONENT
A55	MAIN CONTROL BOARD
A96	CONTROL INVERTER
A178	PANEL, COMP 3 & 4 AND STAGE HEAT - C3
B1	COMPRESSOR 1
B2	COMPRESSOR 2
B3	MOTOR, BLOWER
B4	MOTOR, OUTDOOR FAN 1
B5	MOTOR, OUTDOOR FAN 2
B10	MOTOR, EXHAUST FAN 1
B11	MOTOR, EXHAUST FAN 2
B13	COMPRESSOR 3
B20	COMPRESSOR 4
B21	MOTOR, OUTDOOR FAN 3
B22	MOTOR, OUTDOOR FAN 4
B23	MOTOR, OUTDOOR FAN 5
B24	MOTOR, OUTDOOR FAN 6
C1	CAPACITOR, OUTDOOR FAN 1
C2	CAPACITOR, OUTDOOR FAN 2
C6	CAPACITOR, EXHAUST FAN 1
C8	CAPACITOR, EXHAUST FAN 2
C18	CAPACITOR, OUTDOOR FAN 3
C19	CAPACITOR, OUTDOOR FAN 4
C20	CAPACITOR, OUTDOOR FAN 5
C21	CAPACITOR, OUTDOOR FAN 6
CB8	CIRCUIT, BREAKER T1
CB10	CIRCUIT BREAKER, MAIN DISCONNECT UNIT
CB18	CIRCUIT, BREAKER T18
F4	FUSE, MAIN UNIT
F6	FUSE, EXHAUST FAN
F10	FUSE, OUTDOOR FAN MOTOR
F30	FUSE, TRANSFORMER T29 PRIMARY
F31	FUSE, TRANSFORMER T29 SECONDARY
F61	FUSE, UNIT SCCR OPTION
HR1	HEATER COMPRESSOR 1
HR2	HEATER COMPRESSOR 2
HR5	HEATER COMPRESSOR 3
HR11	HEATER COMPRESSOR 4
J11	JACK, GFI, RECEPTACLE
K1	CONTACTOR, COMPRESSOR 1
K2	CONTACTOR, COMPRESSOR 2
K10,-1,2	RELAY, OUTDOOR FAN 1
K14	CONTACTOR, COMPRESSOR 3
K65,-1,2	RELAY, EXHAUST FAN
K68,-1	RELAY, OUTDOOR FAN 2
K146	CONTACTOR, COMPRESSOR 4
K149,-1	RELAY, OUTDOOR FAN 3
K150,-1	RELAY, OUTDOOR FAN 4
K152,-1	RELAY, OUTDOOR FAN 5
K153,-1,2	RELAY, OUTDOOR FAN 6
K203	RELAY, INVERTER CONTROL
K231,-1,2	RELAY, EXHAUST FAN
L14	VALVE, SOLENOID REHEAT COIL 1
L30	VALVE, SOLENOID REHEAT COIL 2
RT17	SENSOR, OUTDOOR AIR
S4	SWITCH, LIMIT HI PRESS COMPRESS 1
S7	SWITCH, LIMIT HI PRESS COMPRESS 2
S11	SWITCH, LOW PRESS, LOW AMBIENT COMP 1
S28	SWITCH, LIMIT HI PRESS COMPRESS 3
S40	THERMOSTAT, CRANKCASE HEATER 1
S48	SWITCH, DISCONNECT
S49	SWITCH, FREEZE STAT COMPRESS 1
S50	SWITCH, FREEZE STAT COMPRESS 2
S53	SWITCH, FREEZE STAT COMPRESS 3
S84	SWITCH, LOW PRESS, LOW AMBIENT KIT COMP 2
S85	SWITCH, LOW PRESS, LOW AMBIENT KIT COMP 3
S87	SWITCH, LOW PRESS, COMP 1
S88	SWITCH, LOW PRESS, COMP 2
S94	SWITCH, LOW PRESS, LOW AMBIENT KIT COMP 4
S95	SWITCH, FREEZE STAT COMPRESS 4
S96	SWITCH, LIMIT HI PRESS COMPRESS 4
S97	SWITCH, LOW PRESS, COMP 4
S98	SWITCH, LOW PRESS, COMP 3
S117	SWITCH, GFI
S162	THERMOSTAT, CRANKCASE HEATER 2
T1	TRANSFORMER, CONTROL
T18	TRANSFORMER, CONTACTOR
T29	TRANSFORMER, GFI
TB13	TERMINAL STRIP, POWER DISTRIBUTION
TB24	TERMINAL STRIP, UNIT ADDER

J/P	JACK/PLUG DESCRIPTION
18	POWER EXHAUST HARNESS
24	RELAY TO EXHAUST FANS
47	POWER TO OUTDOOR FAN 1
52	POWER TO OUTDOOR FAN 2
86	OUTDOOR FAN INTERFACE
87	OUTDOOR FAN INTERFACE 2
106	POWER TO OUTDOOR FAN 3
107	POWER TO OUTDOOR FAN 4
108	POWER TO OUTDOOR FAN 5
109	POWER TO OUTDOOR FAN 6
118	COMPRESSOR 3 AND 4, CONTROL
119	COMPRESSOR 3 AND 4, INPUT
132	POWER TO EXHAUST FAN MOTOR 1
133	POWER TO EXHAUST FAN MOTOR 2
134	POWER TO EXHAUST FAN MOTOR 3
246	POWER TO VFD
247	VFD TO MOTOR
248	VFD TO CONTROL
259	BLOWER ECM
263	HIGH AND LOW PRESSURE SWITCHES
264	BLOWER DECK
265	CONTACTORS AND RELAYS
267	OUTDOOR FAN AREA
268	24V POWER FROM TRANSFORMERS TO A55
269	HUMIDITROL
299	HUMIDITROL INTERFACE TO A55

- ⚠ F6 AND F10 FUSES ARE USED ON "Y" VOLTAGE UNITS AND HIGHER SCCR OPTION UNITS
- ⚠ ONLY ON UNITS WITH HUMIDITROL OPTION
- ⚠ EXTERNAL HUMIDITROL CONTACTS
- ⚠ F4 USED ON SCH UNITS ONLY
- ⚠ F61 USED ON HIGHER SCCR OPTION UNITS ONLY
- ⚠ S48 USED ON SGH UNITS WITH HIGHER SCCR OPTION ONLY
- ⚠ K65 AND K231 ONLY ON UNITS WITH POWER EXHAUST OPTION

2019/06

WIRING DIAGRAM

06/19

537993-02

COOLING

SCH, SGH - 240 - G, J, Y

SECTION B

REV. 0

Supersedes

537993-01

New Form No.

537993-02