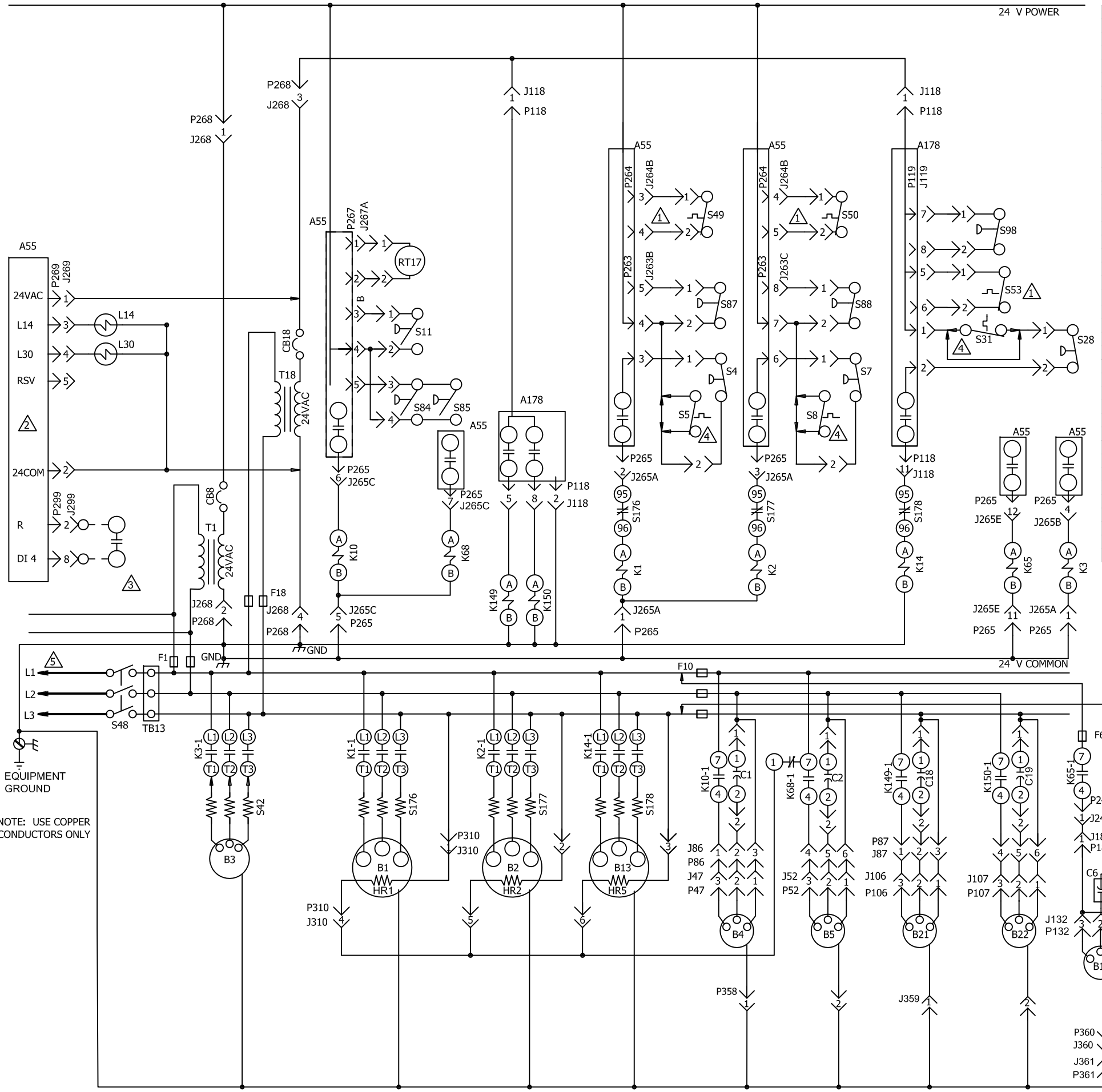

DESCRIPTION	
KEY	**COMPONENT**
A55	PANEL, MAIN
A178	PANEL, COMPRESSORS 3 & 4 AND 2nd STAGE HEAT - C3
B1	COMPRESSOR 1
B2	COMPRESSOR 2
B3	MOTOR, BLOWER
B4	MOTOR, OUTDOOR FAN 1
B5	MOTOR, OUTDOOR FAN 2
B10	MOTOR, EXHAUST FAN 1
B11	MOTOR, EXHAUST FAN 2
B13	COMPRESSOR 3
B21	MOTOR, OUTDOOR FAN 3
B22	MOTOR, OUTDOOR FAN 4
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
CB8	CIRCUIT, BREAKER T1
CB18	CIRCUIT, BREAKER T18
F1	FUSE , TRANSFORMER 1
F6	FUSE, EXHAUST FAN
F10	FUSE, OUTDOOR FAN MOTOR
F18	FUSE, TRANSFORMER, T18
HR1	HEATER COMPRESSOR 1
HR2	HEATER COMPRESSOR 2
HR5	HEATER COMPRESSOR 3
K1,-1	CONTACTOR, COMPRESSOR 1
K2,-1	CONTACTOR, COMPRESSOR 2
K3, -1	CONTACTOR, BLOWER
K10,-1	RELAY, OUTDOOR FAN 1
K14,-1	CONTACTOR, COMPRESSOR 3
K65-1,2	RELAY, EXHAUST FAN
K68,-1	RELAY, OUTDOOR FAN 2
K149, -1	RELAY, OUTDOOR FAN 3
K150,-1	RELAY, OUTDOOR FAN 4
L14	VALVE, SOLENOID REHEAT VALVE 1
L30	VALVE, SOLENOID REHEAT VALVE 2
RT17	SENSOR, OUTDOOR AIR

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.

S4	SWITCH, LIMIT HI PRESS COMPRESS 1
S5	SWITCH, LIMIT HI TEMP COMPRESSOR 1
S7	SWITCH, LIMIT HI PRESS COMPRESS 2
S8	SWITCH, LIMIT HI TEMP COMPRESSOR 2
S11	SWITCH, LOW PRESS, LOW AMBIENT COMP 1
S28	SWITCH, LIMIT HI PRESS COMPRESS 3
S31	SWITCH, LIMIT HI TEMP COMPRESSOR 3
S42	SWITCH, OVERLOAD RELAY BLOWER MOTOR
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 COMP 2
S85	SWITCH, LOW PRESS, LOW AMBIENT COMP 3
S87	SWITCH, LOW PRESS, COMP 1
S88	SWITCH, LOW PRESS, COMP 2
S98	SWITCH, LOW PRESS, COMP 3
S176	SWITCH, OVERLOAD COMPRESSOR 1
S177	SWITCH, OVERLOAD COMPRESSOR 2
S178	SWITCH, OVERLOAD COMPRESSOR 3
T1	TRANSFORMER, CONTROL
T18	TRANSFORMER, CONTACTOR
TB13	TERMINAL STRIP, POWER DISTRIBUTION

J/P	JACK / PLUG DESCRIPTION
18	EXHAUST FAN COMP
24	EXHAUST FAN
47	OUTDOOR FAN 1
52	OUTDOOR FAN 2
86	OUTDOOR FAN INTERFACE 1
87	OUTDOOR FAN INTERFACE 2
106	OUTDOOR FAN 3
107	OUTDOOR FAN 4
118	COMPRESSOR 3 AND 4, CONTROL
119	COMPRESSOR 3 AND 4, INPUT
132	EXHAUST FAN MOTOR 1
133	EXHAUST FAN MOTOR 2
138	EXHAUST FAN 2
139	EXHAUST FAN 3
263	HIGH AND LOW PRESSURE SWITCHES
264	BLOWER DECK AREA
265	CONTACTORS AND RELAYS
267	OUTDOOR FAN AREA
268	TRANFORMERS
269	HUMIDITROL
299	HUMIDITROL INTERFACE
310	CRANKCASE HEATERS
358	OUTDOOR FAN GROUND HARNESS #1
359	OUTDOOR FAN GROUND HARNESS #2
360	EXHAUST FAN COMPT GROUND HARNESS
361	EXHAUST FAN GROUND HARNESS

1. S49,S50 AND S53 ARE PART OF 5VDC CIRCUIT
2. ONLY IN UNITS WITH HUMIDITROL OPTION
3. EXTERNAL HUMIDITROL CONTACTS
4. S5, 28, S31 USED ON UNITS WITH INTERLINK COMPRESSORS ONLY
5. NOTE: FOR USE WITH COPPER CONDUCTORS ONLY. REFER TO UNIT RATING PLATE FOR MINIMUM CIRCUIT AMPACITY AND MAXIMUM OVERCURRENT PROTECTION SIZE .

DENOTES OPTIONAL COMPONENTS

LINE VOLTAGE FIELD INSTALLED

08/16	WIRING DIAGRAM 537698-02	08/16
COOLING - CE		
LCH,LGH 180 - M		
SECTION B		REV. 0
Supersedes	New Form No. 537698-02	