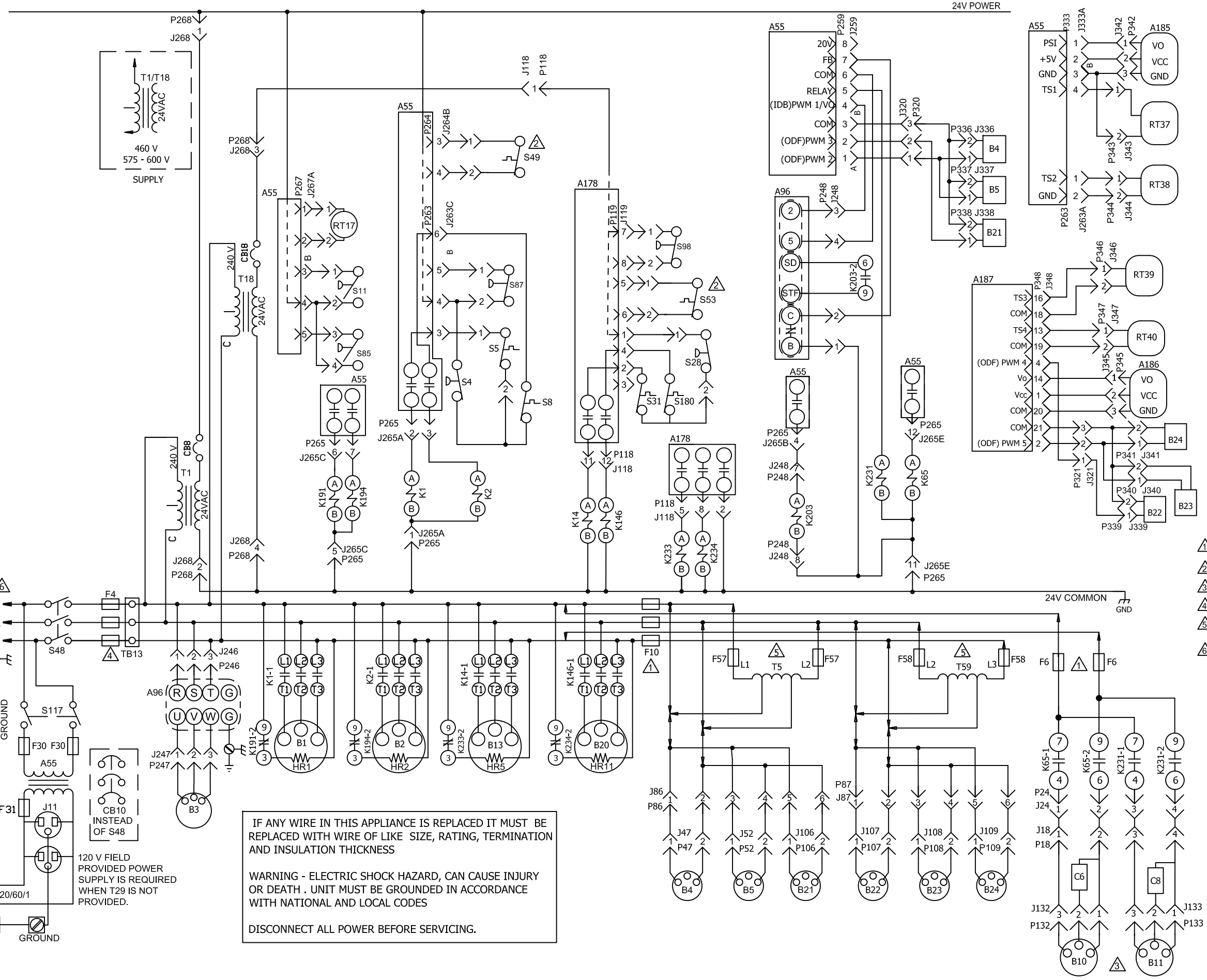

J/P	JACK/PLUG DESCRIPTION
18	POWER EXHAUST HARNESS
24	RELAY TO EXHAUST FANS
47	MOTOR, OUTDOOR FAN 1
52	MOTOR, OUTDOOR FAN 2
86	OUTDOOR FANS 1
87	OUTDOOR FANS 2
106	MOTOR, OUTDOOR FAN 3
107	MOTOR, OUTDOOR FAN 4
108	MOTOR, OUTDOOR FAN 5
109	MOTOR, OUTDOOR FAN 6
118	COMPRESSOR 3 AND 4, CONTROL A178
119	COMPRESSOR 3 AND 4, INPUT
132	POWER TO EXHAUST FAN MOTOR 1
133	POWER TO EXHAUST FAN MOTOR 2
246	POWER TO VFD
247	VFD TO MTR
248	VFD CONTROL
259	BLOWER ECM MOTOR
263	HIGH AND LOW PRESSURE SWITCHES
264	BLOWER DECK AREA
265	CONTACTORS AND RELAYS
267	OUTDOOR FAN AREA
268	24V POWER FROM TRANSFORMERS TO A55
320	OD FAN CONTROL SET 1
321	OD FAN CONTROL SET 2
333	0-5V TRANSDUCER INPUT
336	OD FAN CONTROL, B4
337	OD FAN CONTROL, B5
338	OD FAN CONTROL, B21
339	OD FAN CONTROL, B22
340	OD FAN CONTROL, B23
341	OD FAN CONTROL, B24
342	COMPRESSOR PRESSURE TRANSDUCER STG 1
343	TEMPERTURE SENSOR COMPRESSOR 1
344	TEMPERTURE SENSOR COMPRESSOR 2
345	COMPRESSOR PRESSURE TRANSDUCER STG 2
346	TEMPERTURE SENSOR COMPRESSOR 3
347	TEMPERTURE SENSOR COMPRESSOR 4
348	CONTROL GENERAL PURPOSE GP3

KEY	COMPONENT
A55	MAIN CONTROL BOARD
A96	CONTROL INVERTER
A178	PANEL, COMP 3&4, C3 2nd STAGE HEAT
A185	TRANSDUCER TANDEM COMPRESSOR STG 1
A186	TRANSDUCER TANDEM COMPRESSOR STG 2
A187	CONTROL GENERAL PURPOSE GP3
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
C6	CAPACITOR, EXHAUST FAN 1
C8	CAPACITOR, EXHAUST FAN 2
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
F57	FUSE, T5 TRANSFORMER PRIMARY
F58	FUSE, T59 TRANSFORMER PRIMARY
HR1	HEATER COMPRESSOR 1
HR2	HEATER COMPRESSOR 2
HR5	HEATER COMPRESSOR 3
HR11	HEATER 1, COMPRESSOR 4
J11	JACK, GFI, RECEPTACLE
K1, -1	CONTACTOR, COMPRESSOR 1
K2, -1	CONTACTOR, COMPRESSOR 2
K3-1	RELAY-CONTRACTOR, BLOWER
K14, -1	CONTACTOR, COMPRESSOR 3
K65-1,2	RELAY, EXHAUST FAN
K146-1	CONTACTOR, COMPRESSOR 4
K191-2	RELAY, CRANKCASE HEATER 1
K194-2	RELAY, CRANKCASE HEATER 2
K202-1	RELAY, INVERTER
K203-2	RELAY, CONTROL INVERTER
K231-1,2	RELAY, EXHAUST FAN 2
K233-2	RELAY, CRANKCASE HEATER 3
K234-2	RELAY, CRANKCASE HEATER 4
RT17	SENSOR, OUTDOOR AIR
RT37	SENSOR THERMISTOR 1, COMPRESSOR 1
RT38	SENSOR THERMISTOR 2, COMPRESSOR 2
RT39	SENSOR THERMISTOR 3, COMPRESSOR 3
RT40	SENSOR THERMISTOR 4, COMPRESSOR 4
S4	SWITCH, LIMIT HI PRESS COMPRESS 1
S5	SWITCH, LIMIT HI TEMP COMPRESSOR 1
S8	SWITCH, LIMIT HI TEMP COMPRESSOR 2
S11	SWITCH, LOW PRESS, LOW AMBIENT COMP 1
S28	SWITCH, LIMIT HI PRESS COMPRESS 3
S31	LIMIT, HIGH TEMP COMPRESSOR 3
S48	SWITCH, DISCONNECT
S49	SWITCH, FREEZE STAT COMPRESS 1
S53	SWITCH, FREEZE STAT COMPRESS 3
S85	SWITCH, LOW PRESS, LOW AMBIENT KIT COMP 3
S87	SWITCH, LOW PRESS, COMP 1
S98	SWITCH, LOW PRESS, COMP 3
S117	SWITCH, GFI
S180	LIMIT, HIGH TEMP COMPRESSOR 4
T1	TRANSFORMER, CONTROL
T5	TRANSFORMER, OUTDOOR FAN MOTOR
T18	TRANSFORMER, CONTACTOR
T29	TRANSFORMER, GFI
T59	TRANSFORMER, OUTDOOR FAN MOTOR
TB13	TERMINAL STRIP, POWER DISTRIBUTION

1. F6 AND F10 FUSES ARE USED ON "Y" VOLTAGE UNITS ONLY
2. S49 AND S53 ARE PART OF 5VDC CIRCUIT
3. B10, B11 NOT USED ON UNITS WITH ERV
4. USED ON LCH
5. T5,T59,F57 & F58 USED ON G & J VOLTAGE UNITS ONLY
6. 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

03/15	WIRING DIAGRAM 537717-01	03/15
COOLING -MSAV NO BYPASS		
LCH/LGH - 180, 240 ULTRA - G, J, Y		
SECTION B		REV. 2
Supersedes	New Form No. 537717-01	