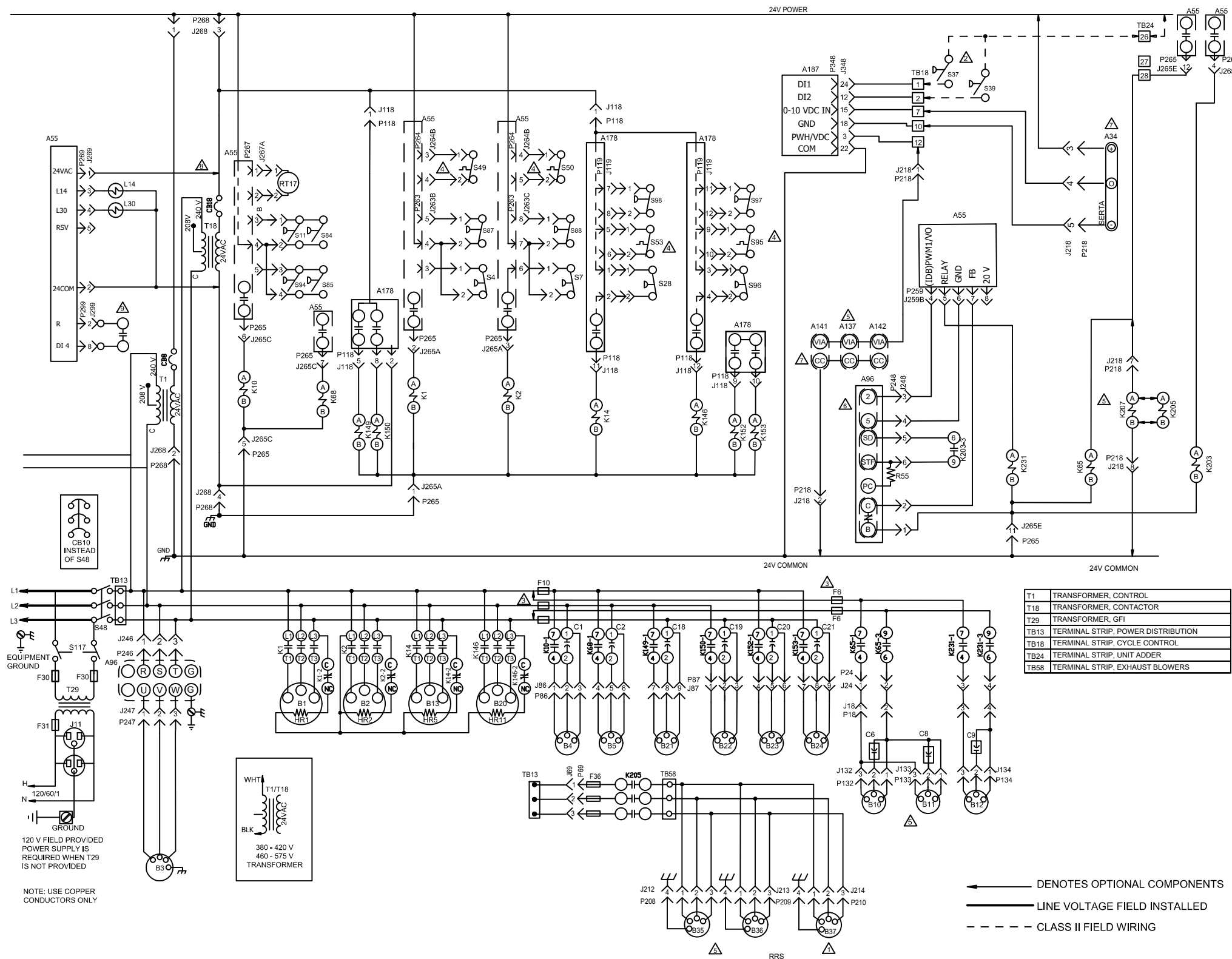
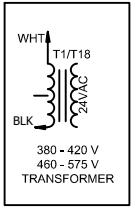




120 V FIELD PROVIDED
POWER SUPPLY IS
REQUIRED WHEN T29
IS NOT PROVIDED

NOTE: USE COPPER
CONDUCTORS ONLY



T1	TRANSFORMER, CONTROL
T18	TRANSFORMER, CONTACTOR
T29	TRANSFORMER, GFI
TB13	TERMINAL STRIP, POWER DISTRIBUTION
TB18	TERMINAL STRIP, CYCLE CONTROL
TB24	TERMINAL STRIP, UNIT ADDER
TB58	TERMINAL STRIP, EXHAUST BLOWERS

- DENOTES OPTIONAL COMPONENTS
- LINE VOLTAGE FIELD INSTALLED
- - - CLASS II FIELD WIRING

KEY	COMPONENT
A34	DUCT STATIC PRESS
A55	PANEL, MAIN
A96	CONTROL INVERTER
A137	CONTROL, INVERTER, RETURN
A141	INVERTER, EXHAUST 2
A142	INVERTER, EXHAUST 3
A178	PANEL, COMP 3 & 4, C3 SECOND STAGE HEAT
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
B12	MOTOR, EXHAUST FAN 3
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
B35	MOTOR, EXH, BLO 1
B36	MOTOR, EXH, BLO 2
B37	MOTOR, EXH, BLO 3
C1	CAPACITOR, OUTDOOR FAN 1
C2	CAPACITOR, OUTDOOR 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
F6	FUSE, EXHAUST FAN
F10	FUSE, OUTDOOR FAN MOTOR
F30	FUSE, TRANSFORMER T29 PRIMARY
F31	FUSE, TRANSFORMER T29 SECONDARY
F36	FUSE, P.E. BLOWERS
HR1	HEATER COMPRESSOR 1
HR2	HEATER COMPRESSOR 2
HR5	HEATER COMPRESSOR 3
HR11	HEATER COMPRESSOR 4
K1	CONTACTOR, COMPRESSOR 1
K2	CONTACTOR, COMPRESSOR 2
K10	RELAY, OUTDOOR FAN 1
K14	CONTACTOR, COMPRESSOR 3
K65	RELAY, EXHAUST FAN
K68	RELAY, OUTDOOR FAN 2
K146	CONTACTOR, COMPRESSOR 4
K149	RELAY, OUTDOOR FAN 3
K150	RELAY, OUTDOOR FAN 4
K152	RELAY, OUTDOOR FAN 5
K153	RELAY, OUTDOOR FAN 6
K203	RELAY INVERTER CONTROL
K205	CONTACTOR, POWER EXHAUST
K207	RELAY, EXHAUST BLOWER
K231	RELAY, EXHAUST FAN 2
L14	VALVE, SOLENOID REHEAT COIL 1
L30	VALVE, SOLENOID REHEAT COIL 2
R55	RESISTOR, VFD LOADING, A96
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
S31	SWITCH, LIMIT HI TEMP COMPRESSOR 3
S37	SWITCH, PRESS, EXH
S39	SWITCH, EXHAUST FAN
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
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

J/P	JACK/PLUG DESCRIPTION
11	GFI, RECEPTACLE
18	EXHAUST FAN COMP
24	EXHAUST FAN
69	POWER EXHAUST POWER
86	OUTDOOR FAN INTERFACE
87	OUTDOOR FAN INTERFACE 2
118	CONTROL FOR COMPRESSOR 3 AND 4
119	COMPRESSOR 3 AND 4, INPUT
132	EXHAUST FAN MOTOR 1
133	EXHAUST FAN MOTOR 2
134	EXHAUST FAN MOTOR 3
208	MOTOR, EXH BLO, B35
209	MOTOR, EXH BLO, B36
210	MOTOR, EXH BLO, B37
212	MOTOR, EXH BLO, B35
213	MOTOR, EXH BLO, B36
214	MOTOR, EXH BLO, B37
218	POWER EXHAUST CONTROL
246	POWER TO VFD
247	VFD TO MOTOR
248	VFD TO CONTROL
259	BLOWER ECM MOTOR
263	HIGH AND LOW PRESSURE SWITCHES
264	BLOWER DECK
265	CONTACTORS AND RELAYS
268	24V POWER FROM TRANSFORMERS
269	HUMIDITROL
299	HUMIDITROL INTERFACE TO A55
348	CONTROL, GENERAL PURPOSE GP3

NOTES

- ⚠ B37 BLOWER MAY NOT BE USED
- ⚠ S37 AND S39 PRESSURE SWITCH CONTROL FOR POWER EXHAUST
- ⚠ F6 AND F10 FUSES ARE USED ON "Y" VOLTAGE UNITS ONLY
- ⚠ S49, S50, S53 AND S95 ARE A PART OF 5VDC CIRCUIT
- ⚠ FOR POWER EXHAUST INVERTER WIRING, REFER TO RRS ASSEMBLY
- ⚠ A96 INVERTER CONTROL FOR B3 SUPPLY AIR BLOWER
- ⚠ A34 SENSOR AND A137, A141, A142 INVERTER CONTROL FOR B35, B36, B37 EXHAUST AIR BLOWER (RRS)
- ⚠ ONLY ON UNITS WITH HUMIDITROL OPTION
- ⚠ EXTERNAL HUMIDITROL CONTACTS

2020/03

ENERGENCE
WIRING DIAGRAM
537891-02

03/20

MSAV - LESS BYPASS

LCH/LGH - 300,360 - G,J,Y

SECTION B

REV 0

Supersedes 537891-01

New Form No. 537891-02