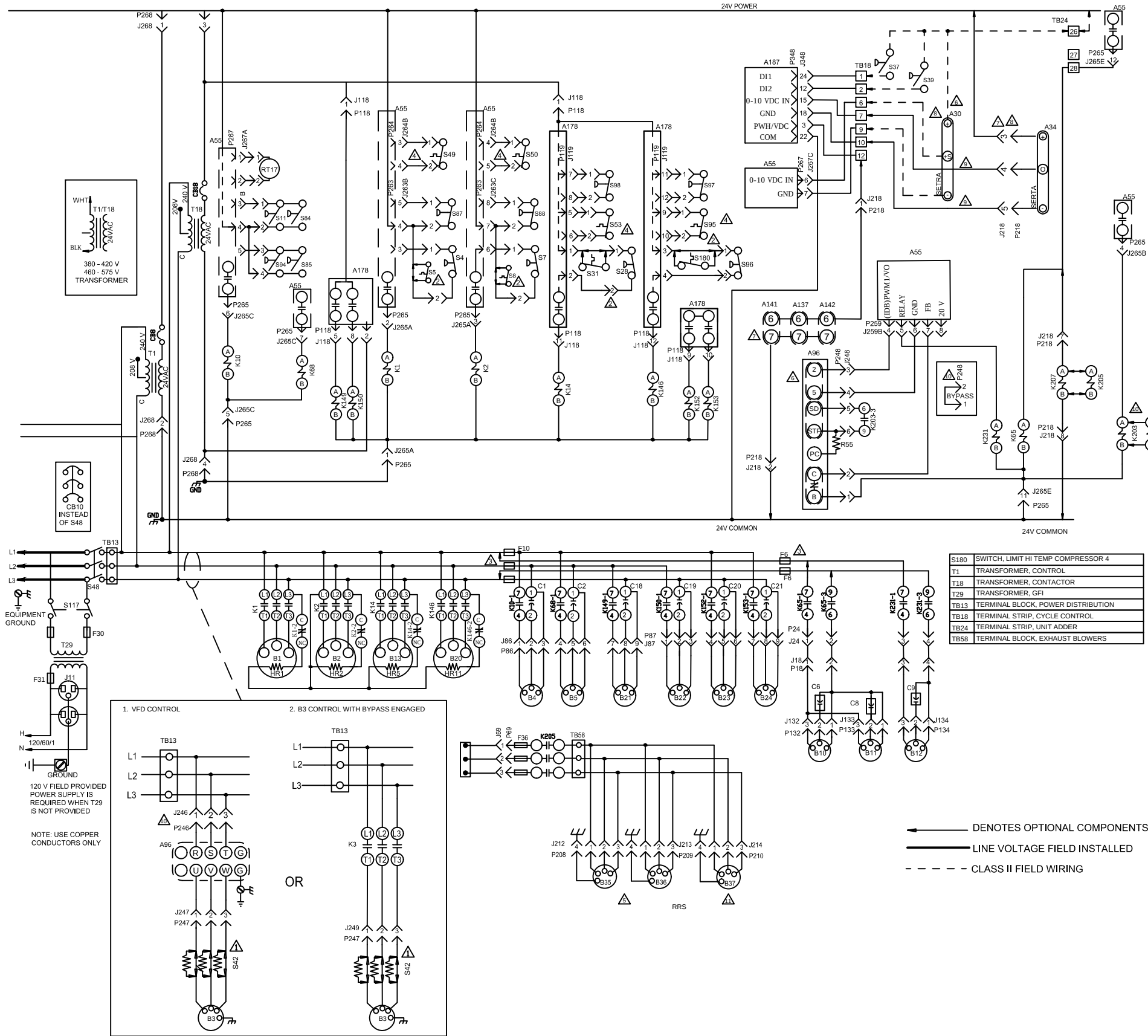




| KEY  | COMPONENT                                 |
|------|-------------------------------------------|
| A30  | DUCT STATIC PRESS                         |
| A34  | DIFFERENTIAL PRESSURE TRANSDUCER          |
| A55  | CONTROL BOARD, MAIN                       |
| A96  | INVERTER, SUPPLY                          |
| A137 | INVERTER, EXHAUST 1                       |
| A141 | INVERTER, EXHAUST 2                       |
| A142 | INVERTER, EXHAUST 3                       |
| A178 | CONTROL BOARD, COMP 3 & 4, 2ND 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                  |
| C6   | CAPACITOR, EXHAUST FAN 1                  |
| C8   | CAPACITOR, EXHAUST FAN 2                  |
| C9   | CAPACITOR, EXHAUST FAN 3                  |
| 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                   |
| K3   | CONTACTOR, BLOWER                         |
| 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 | SENSOR, OUTDOOR AIR                       |
| R55  | RESISTOR, VFD LOADING, A96                |
| RT17 | RELAY, EXHAUST FAN 2                      |
| 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        |
| S37  | SWITCH, PRESS, EXH                        |
| S39  | SWITCH, EXHAUST FAN                       |
| 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                 |
| 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  | INTERFACE                      |
| 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                 |
| 249 | CONTACTOR BYPASS               |
| 259 | BLOWER ECM MOTOR               |
| 263 | HIGH AND LOW PRESSURE SWITCHES |
| 264 | BLOWER DECK                    |
| 265 | CONTACTORS AND RELAYS          |
| 267 | OUTDOOR FAN AREA               |
| 268 | 24V POWER FROM TRANSFORMERS    |
| 348 | CONTROL, GENERAL PURPOSE GP3   |

- NOTES**
- ⚠ S42 USED ON UNITS WITH VFD CONTROL WITH BYPASS OPTION, UNITS WITH HIGH EFFICIENCY MOTORS AND UNITS WITH MOTORS LESS INTERNAL OVERLOAD PROTECTION
  - ⚠ USED ONLY ON 242 UNITS WITH INTERLINK COMPRESSORS
  - ⚠ F6 AND F10 FUSES ARE USED ON "Y" VOLTAGE UNITS ONLY
  - ⚠ S49, S50, S53 AND S95 ARE A PART OF 5VDC CIRCUIT
  - ⚠ FOR P.E. INVERTER WIRING, REFER TO RRS ASSEMBLY
  - ⚠ A30 SENSOR AND A96 INVERTER CONTROL FOR B3 SUPPLY AIR BLOWER
  - ⚠ A34 SENSOR AND A137, A141, A142 INVERTER CONTROL FOR B35, B36, B37 EXHAUST AIR BLOWER (RRS)
  - ⚠ A30 MAY BE USED WITH OR WITHOUT A34 A34 MAY BE USED WITH OR WITHOUT A30
  - ⚠ SHIELDED WIRE
  - ⚠ TO TRANSFER B3 BLOWER MOTOR FROM A96 VFD TO K3 CONTACTOR, TURN OFF POWER
  - 1.DISCONNECT WIRES MARKED K203-A AND K203-B AND CONNECT WIRE K203-A TO K3-A AND K203-B TO K3-B FROM K3 CONTACTOR.
  - 2.UNPLUG J247 FROM P247, PLUG J249 TO P247
  - 3.UNPLUG P248, PLUG IN P248 BYPASS JUMPER IF ALARM CONTACTS C AND B ON A96 ARE OPEN
  - ⚠ B37 BLOWER MAY NOT BE USED

08/17



ENERGENCE  
WIRING DIAGRAM  
537879-01

08/17

COOLING

LCH/LGH - 242,300,360 - G,J,Y (VAV)

SECTION B

REV 1

Supersedes

New Form No.  
537879-01