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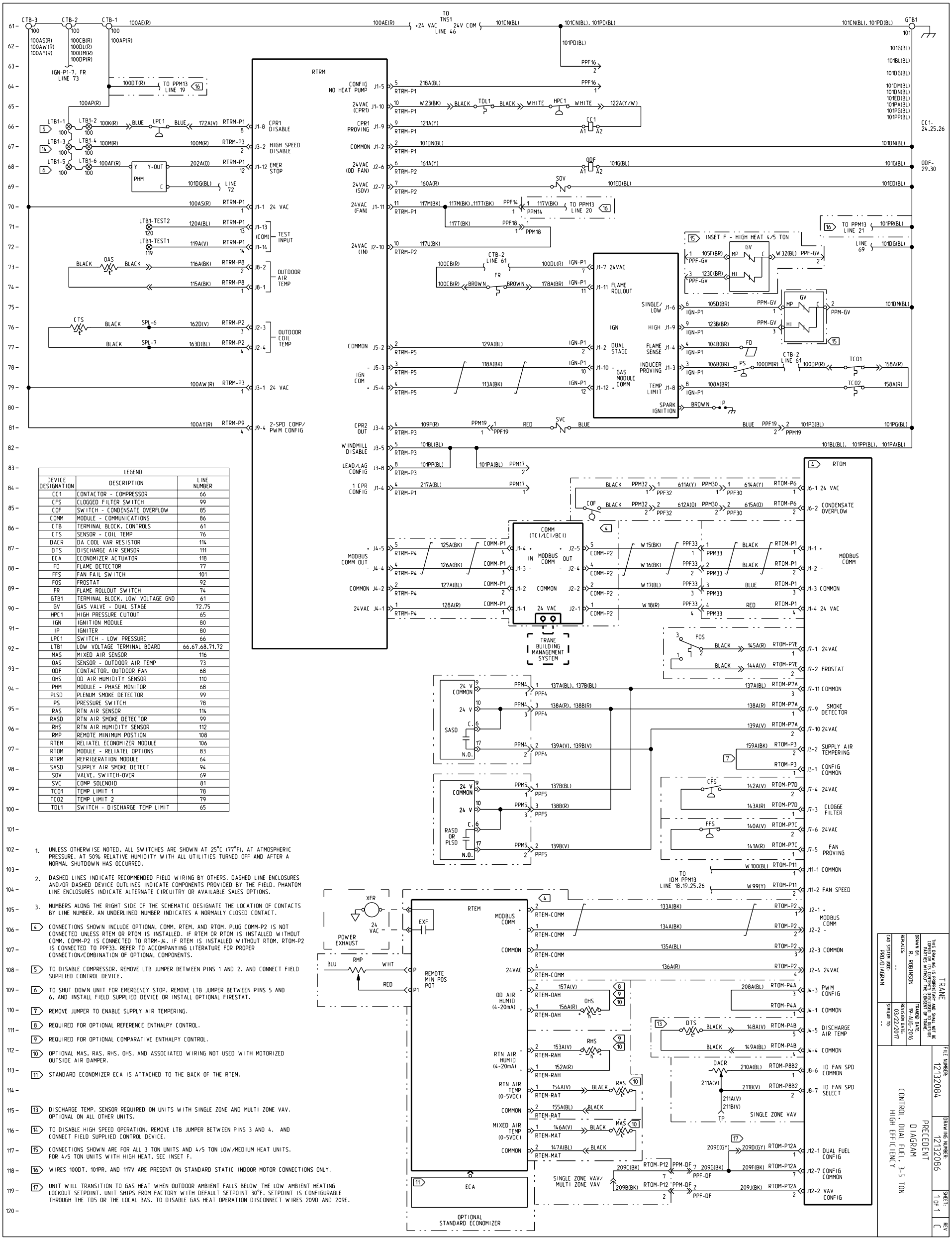


| LEGEND | | |
|---|---|---|
| DEVICE DESIGNATION | DESCRIPTION | LINE NUMBER |
| CC1 | CONTACTOR - COMPRESSOR | 66 |
| CFS | CLOGGED FILTER SWITCH | 99 |
| COF | SWITCH - CONDENSATE OVERFLOW | 85 |
| COMM | MODULE - COMMUNICATIONS | 86 |
| CTB | TERMINAL BLOCK, CONTROLS | 61 |
| CTS | SENSOR - COIL TEMP | 76 |
| DACR | DA COOL VAR RESISTOR | 114 |
| DTS | DISCHARGE AIR SENSOR | 111 |
| ECA | ECONOMIZER ACTUATOR | 118 |
| FD | FLAME DETECTOR | 77 |
| FFS | FAN FAIL SWITCH | 101 |
| FOS | FROSTAT | 92 |
| FR | FLAME ROLLOUT SWITCH | 74 |
| GTB1 | TERMINAL BLOCK, LOW VOLTAGE GND | 61 |
| GV | GAS VALVE - DUAL STAGE | 72,75 |
| HPC1 | HIGH PRESSURE CUTOUT | 65 |
| IGN | IGNITION MODULE | 80 |
| IP | IGNITER | 80 |
| LPC1 | SWITCH - LOW PRESSURE | 66 |
| LTB1 | LOW VOLTAGE TERMINAL BOARD | 66,67,68,71,72 |
| MAS | MIXED AIR SENSOR | 116 |
| OAS | SENSOR - OUTDOOR AIR TEMP | 73 |
| ODF | CONTACTOR, OUTDOOR FAN | 68 |
| OHS | OD AIR HUMIDITY SENSOR | 110 |
| PHM | MODULE - PHASE MONITOR | 68 |
| PLSD | PLENUM SMOKE DETECTOR | 99 |
| PS | PRESSURE SWITCH | 78 |
| RAS | RTN AIR SENSOR | 114 |
| RASD | RTN AIR SMOKE DETECTOR | 99 |
| RHS | RTN AIR HUMIDITY SENSOR | 112 |
| RMP | REMOTE MINIMUM POSTION | 108 |
| RTEM | RELIATEL ECONOMIZER MODULE | 106 |
| RTOM | MODULE - RELIATEL OPTIONS | 83 |
| RTRM | REFRIGERATION MODULE | 64 |
| SASD | SUPPLY AIR SMOKE DETECT | 94 |
| SOV | VALVE, SWITCH-OVER | 69 |
| SVC | COMP SOLENOID | 81 |
| TCO1 | TEMP LIMIT 1 | 78 |
| TCO2 | TEMP LIMIT 2 | 79 |
| TDL1 | SWITCH - DISCHARGE TEMP LIMIT | 65 |

1. UNLESS OTHERWISE NOTED, ALL SWITCHES ARE SHOWN AT 25°C (77°F), AT ATMOSPHERIC PRESSURE, AT 50% RELATIVE HUMIDITY WITH ALL UTILITIES TURNED OFF AND AFTER A NORMAL SHUTDOWN HAS OCCURRED.
2. DASHED LINES INDICATE RECOMMENDED FIELD WIRING BY OTHERS. DASHED LINE ENCLOSURES AND/OR DASHED DEVICE OUTLINES INDICATE COMPONENTS PROVIDED BY THE FIELD. PHANTOM LINE ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS.
3. NUMBERS ALONG THE RIGHT SIDE OF THE SCHEMATIC DESIGNATE THE LOCATION OF CONTACTS BY LINE NUMBER. AN UNDERLINED NUMBER INDICATES A NORMALLY CLOSED CONTACT.

(4) CONNECTIONS SHOWN INCLUDE OPTIONAL COMM, RTEM, AND RTOM. PLUG COMM-P2 IS NOT CONNECTED UNLESS RTEM OR RTOM IS INSTALLED. IF RTEM OR RTOM IS INSTALLED WITHOUT COMM, COMM-P2 IS CONNECTED TO RTRM-J4. IF RTEM IS INSTALLED WITHOUT RTOM, RTOM-P2 IS CONNECTED TO PPF33. REFER TO ACCOMPANYING LITERATURE FOR PROPER CONNECTION/COMBINATION OF OPTIONAL COMPONENTS.

(5) TO DISABLE COMPRESSOR, REMOVE LTB JUMPER BETWEEN PINS 1 AND 2, AND CONNECT FIELD SUPPLIED CONTROL DEVICE.

(6) TO SHUT DOWN UNIT FOR EMERGENCY STOP, REMOVE LTB JUMPER BETWEEN PINS 5 AND 6, AND INSTALL FIELD SUPPLIED DEVICE OR INSTALL OPTIONAL FIRESTAT.

(7) REMOVE JUMPER TO ENABLE SUPPLY AIR TEMPERING.

(8) REQUIRED FOR OPTIONAL REFERENCE ENTHALPY CONTROL.

(9) REQUIRED FOR OPTIONAL COMPARATIVE ENTHALPY CONTROL.

(10) OPTIONAL MAS, RAS, RHS, OHS, AND ASSOCIATED WIRING NOT USED WITH MOTORIZED OUTSIDE AIR DAMPER.

(11) STANDARD ECONOMIZER ECA IS ATTACHED TO THE BACK OF THE RTEM.

(13) DISCHARGE TEMP. SENSOR REQUIRED ON UNITS WITH SINGLE ZONE AND MULTI ZONE VAV. OPTIONAL ON ALL OTHER UNITS.

(14) TO DISABLE HIGH SPEED OPERATION, REMOVE LTB JUMPER BETWEEN PINS 3 AND 4. AND CONNECT FIELD SUPPLIED CONTROL DEVICE.

(15) CONNECTIONS SHOWN ARE FOR ALL 3 TON UNITS AND 4/5 TON LOW/MEDIUM HEAT UNITS. FOR 4/5 TON UNITS WITH HIGH HEAT, SEE INSET F.

(16) WIRES 100DT, 101PR, AND 117V ARE PRESENT ON STANDARD STATIC INDOOR MOTOR CONNECTIONS ONLY.

(17) UNIT WILL TRANSITION TO GAS HEAT WHEN OUTDOOR AMBIENT FALLS BELOW THE LOW AMBIENT HEATING LOCKOUT SETPOINT. UNIT SHIPS FROM FACTORY WITH DEFAULT SETPOINT 30°F. SETPOINT IS CONFIGURABLE THROUGH THE TD5 OR THE LOCAL BAS. TO DISABLE GAS HEAT OPERATION DISCONNECT WIRES 209D AND 209E.

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SIMILAR TO: --

TRANE

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SHEET: 1 OF 1
REV: C

PRECEDENT DIAGRAM
CONTROL, DUAL FUEL, 3-5 TON HIGH EFFICIENCY