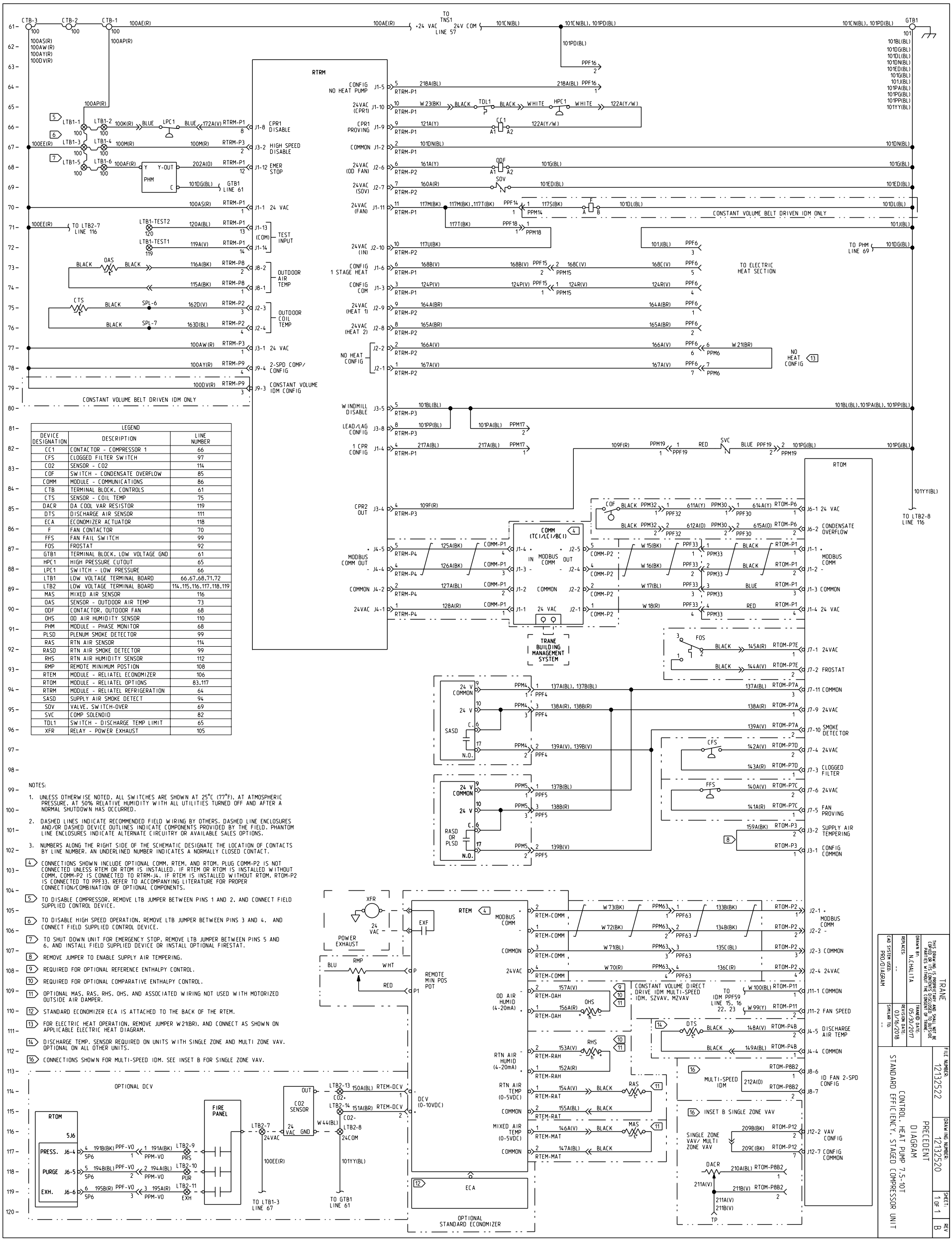

LEGEND		
DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
CC1	CONTACTOR - COMPRESSOR 1	66
CFS	CLOGGED FILTER SWITCH	97
CO2	SENSOR - CO2	114
COF	SWITCH - CONDENSATE OVERFLOW	85
COMM	MODULE - COMMUNICATIONS	86
CTB	TERMINAL BLOCK, CONTROLS	61
CTS	SENSOR - COIL TEMP	75
DACR	DA COOL VAR RESISTOR	119
DTS	DISCHARGE AIR SENSOR	111
ECA	ECONOMIZER ACTUATOR	118
F	FAN CONTACTOR	70
FFS	FAN FAIL SWITCH	99
FOS	FROSTAT	92
GTB1	TERMINAL BLOCK, LOW VOLTAGE GND	61
HPC1	HIGH PRESSURE CUTOUT	65
LPC1	SWITCH - LOW PRESSURE	66
LTB1	LOW VOLTAGE TERMINAL BOARD	66,67,68,71,72
LTB2	LOW VOLTAGE TERMINAL BOARD	114,115,116,117,118,119
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
RAS	RTN AIR SENSOR	114
RASD	RTN AIR SMOKE DETECTOR	99
RHS	RTN AIR HUMIDITY SENSOR	112
RMP	REMOTE MINIMUM POSTION	108
RTEM	MODULE - RELIATEL ECONOMIZER	106
RTOM	MODULE - RELIATEL OPTIONS	83,117
RTRM	MODULE - RELIATEL REFRIGERATION	64
SASD	SUPPLY AIR SMOKE DETECT	94
SOV	VALVE, SWITCH-OVER	69
SVC	COMP SOLENOID	82
TDL1	SWITCH - DISCHARGE TEMP LIMIT	65
XFR	RELAY - POWER EXHAUST	105

NOTES:

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

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

8 REMOVE JUMPER TO ENABLE SUPPLY AIR TEMPERING.

9 REQUIRED FOR OPTIONAL REFERENCE ENTHALPY CONTROL.

10 REQUIRED FOR OPTIONAL COMPARATIVE ENTHALPY CONTROL.

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

12 STANDARD ECONOMIZER ECA IS ATTACHED TO THE BACK OF THE RTEM.

13 FOR ELECTRIC HEAT OPERATION, REMOVE JUMPER W21(BR), AND CONNECT AS SHOWN ON APPLICABLE ELECTRIC HEAT DIAGRAM.

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

16 CONNECTIONS SHOWN FOR MULTI-SPEED IDM. SEE INSET B FOR SINGLE ZONE VAV.

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TRANE

DRAWN BY: N.CHALITA | TRANE® DATE: 05/30/2017
REPLACES: -- | REVISION DATE: 03/16/2018
CAD SYSTEM USED: PRO/DIAGRAM | SIMILAR TO: --

FILE NUMBER: 12132522 | DRAWING NUMBER: 12132520 | SHEET: 1 OF 1 | REV: B

PRECEDENT DIAGRAM

CONTROL, HEAT PUMP 7.5-10T
STANDARD EFFICIENCY, STAGED COMPRESSOR UNIT