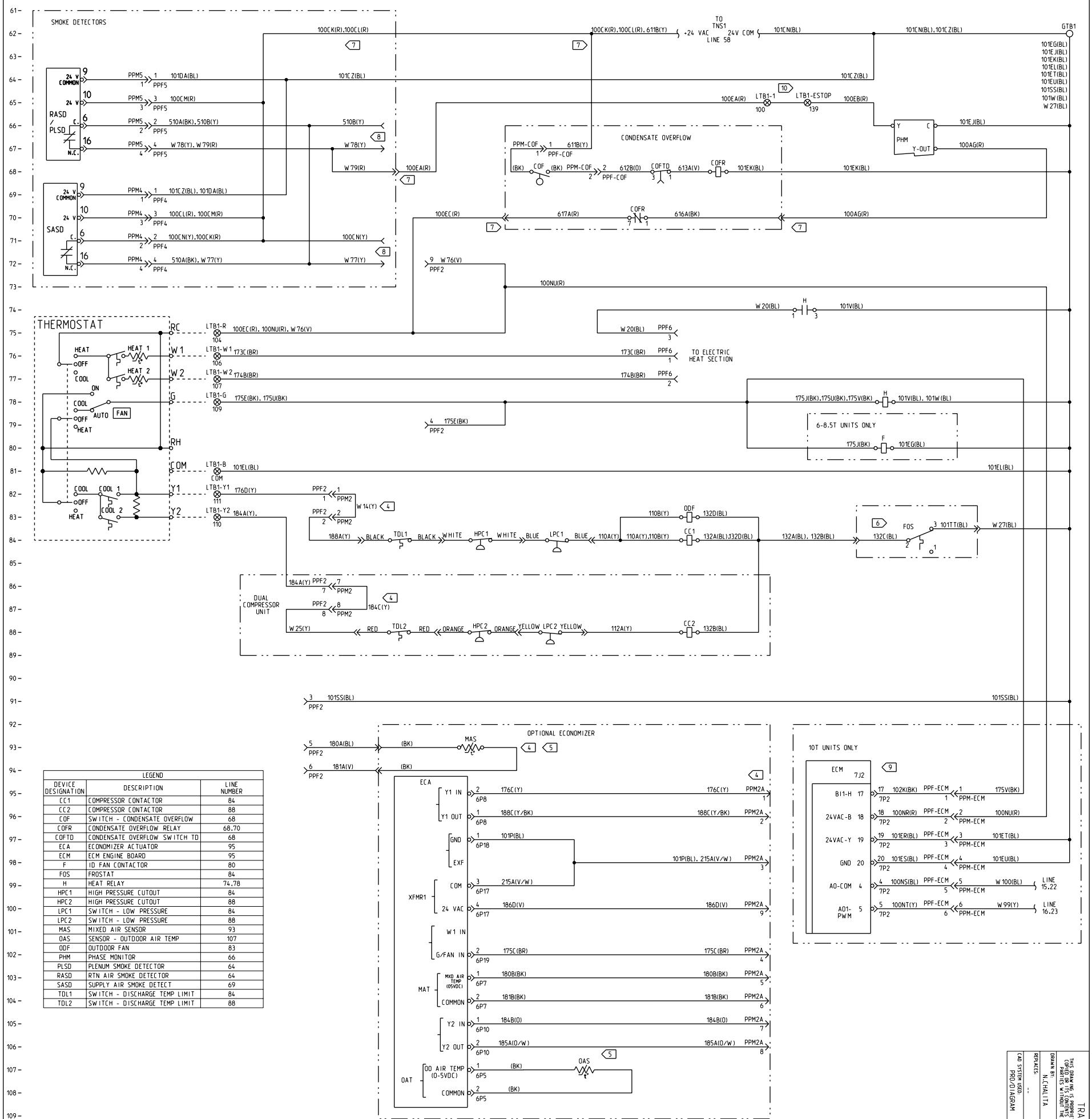

LEGEND		
DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
CC1	COMPRESSOR CONTACTOR	84
CC2	COMPRESSOR CONTACTOR	88
COF	SWITCH - CONDENSATE OVERFLOW	68
COFR	CONDENSATE OVERFLOW RELAY	68,70
COFTD	CONDENSATE OVERFLOW SWITCH TD	68
ECA	ECONOMIZER ACTUATOR	95
ECM	ECM ENGINE BOARD	95
F	ID FAN CONTACTOR	80
FOS	FROSTAT	84
H	HEAT RELAY	74,78
HPC1	HIGH PRESSURE CUTOUT	84
HPC2	HIGH PRESSURE CUTOUT	88
LPC1	SWITCH - LOW PRESSURE	84
LPC2	SWITCH - LOW PRESSURE	88
MAS	MIXED AIR SENSOR	93
OAS	SENSOR - OUTDOOR AIR TEMP	107
ODF	OUTDOOR FAN	83
PHM	PHASE MONITOR	66
PLSD	PLENUM SMOKE DETECTOR	64
RASD	RTN AIR SMOKE DETECTOR	64
SASD	SUPPLY AIR SMOKE DETECT	69
TDL1	SWITCH - DISCHARGE TEMP LIMIT	84
TDL2	SWITCH - DISCHARGE TEMP LIMIT	88

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 WHEN INSTALLING OPTIONAL ECONOMIZER, REMOVE CONFIG PLUG PPM2, AND CONNECT ECONOMIZER PLUG PPM2A TO PPF2, AND CONNECT MAS TO WIRES 180A AND 181A.

5 FOR MOTORIZED OUTSIDE AIR DAMPER, OPTIONAL MAS AND OAS (AND ASSOCIATED WIRING) ARE NOT USED.

6 CONNECTIONS SHOWN INCLUDE OPTIONAL FOS. IF FOS IS NOT INSTALLED, CONNECT WIRE 132A AND 132B TO WIRE W27

7 CONNECTIONS SHOWN INCLUDE OPTIONAL SMOKE DETECTORS AND CONDENSATE OVERFLOW. IF NONE OF THE SMOKE DETECTORS (RASD, PLSD OR SASD) ARE INSTALLED, CONNECT WIRE 100EA TO TNS1-24VAC. IF CONDENSATE OVERFLOW IS NOT INSTALLED, CONNECT WIRE 100EC TO WIRE 100AG.

8 CONNECTIONS SHOWN INCLUDE OPTIONAL SMOKE DETECTORS. THE FOLLOWING COMBINATIONS ARE ALLOWED: RASD ONLY, SASD ONLY, RASD & SASD, AND PLSD ONLY. IF RASD OR PLSD IS NOT INSTALLED, CONNECT WIRE 515A TO WIRE 515B. IF SASD IS NOT INSTALLED, CONNECT WIRE 509A TO WIRE 509B.

9 TO INCRESE/DECREASE VOLTAGE/RPM (SEE IDM RPM INDICATION TABLE):
A. PUSH AND HOLD THE SET BUTTON FOR 3 SEC. BOARD WILL DISPLAY MOTOR 1 PARAMETER NAME: HI 1.
B. SLOW PUSH SET AGAIN TO DISPLAY THE PARAMETER'S CURRENT VALUE = 4.50 VOLTS.
C. PUSH ON + OR - BUTTON TO ADJUST PARAMETER TO DESIRED VALUE = XXX VOLTS.
D. PUSH AND HOLD SET BUTTON FOR 3 SEC TO "SAVE" THE VALUE. AFTER SAVE IS COMPLETE, HI 1 WILL SHOW AGAIN.
E. AFTER THE VOLTAGE HI 1 IS SUCCESSFULLY CHANGED, THE DISPLAY SEQUENCE WILL BE:
MTR 1 --> XXX --> MTR2 --> 0.00 --> FST1 --> ON --> FST2 --> ON/OFF --> EhEn --> ON/OFF
AND THE MOTOR WILL RAMP UP OR DOWN TO ADJUST TO THE INPUT SIGNAL.

10 TO SHUT DOWN THE UNIT FOR EMERGENCY STOP. REMOVE E-STOP JUMPER AND INSTALL FIELD SUPPLIED DEVICE.

TRANE

THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE CONSENT OF TRANE.

DRAWN BY: N.CHALITA
REPLACES: --
CAD SYSTEM USED: PRO/DIAGRAM
TRANE® DATE: 05/15/2017
REVISION DATE: 11/16/2017
SIMILAR TO: --

FILE NUMBER:

DRAWING NUMBER: 1213243 13

PRECEDENT DIAGRAM
CONTROLS - COOLING 6-10T
STANDARD EFFICIENCY
ELECTROMECHANICAL

SHEET: 1 OF 1

REV C