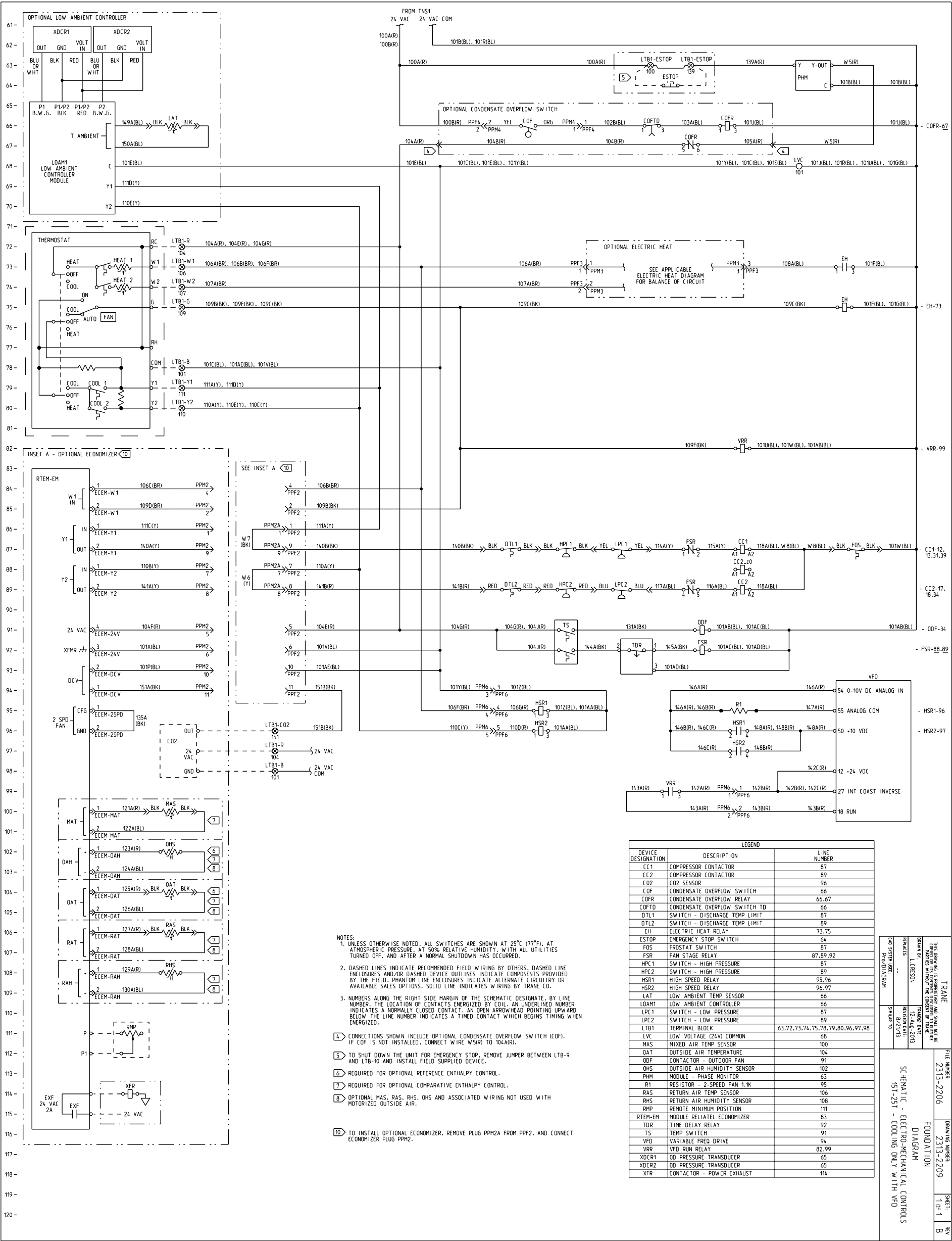




NOTES:

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. SOLID LINE INDICATES WIRING BY TRANE CO.
3. NUMBERS ALONG THE RIGHT SIDE MARGIN OF THE SCHEMATIC DESIGNATE, BY LINE NUMBER, THE LOCATION OF CONTACTS ENERGIZED BY COIL. AN UNDERLINED NUMBER INDICATES A NORMALLY CLOSED CONTACT. AN OPEN ARROWHEAD POINTING UPWARD BELOW THE LINE NUMBER INDICATES A TIMED CONTACT WHICH BEGINS TIMING WHEN ENERGIZED.

4 CONNECTIONS SHOWN INCLUDE OPTIONAL CONDENSATE OVERFLOW SWITCH (COF). IF COF IS NOT INSTALLED, CONNECT WIRE W5(R) TO 104A(R).

5 TO SHUT DOWN THE UNIT FOR EMERGENCY STOP, REMOVE JUMPER BETWEEN LTB-9 AND LTB-10 AND INSTALL FIELD SUPPLIED DEVICE.

6 REQUIRED FOR OPTIONAL REFERENCE ENTHALPY CONTROL.

7 REQUIRED FOR OPTIONAL COMPARATIVE ENTHALPY CONTROL.

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

10 TO INSTALL OPTIONAL ECONOMIZER, REMOVE PLUG PPM2A FROM PPF2, AND CONNECT ECONOMIZER PLUG PPM2.

DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
CC1	COMPRESSOR CONTACTOR	87
CC2	COMPRESSOR CONTACTOR	89
CO2	CO2 SENSOR	96
COF	CONDENSATE OVERFLOW SWITCH	66
COFR	CONDENSATE OVERFLOW RELAY	66,67
COFTD	CONDENSATE OVERFLOW SWITCH TO	66
DTL1	SWITCH - DISCHARGE TEMP LIMIT	87
DTL2	SWITCH - DISCHARGE TEMP LIMIT	89
EH	ELECTRIC HEAT RELAY	73,75
ESTOP	EMERGENCY STOP SWITCH	64
FOS	FROSTAT SWITCH	87
FSR	FAN STAGE RELAY	87,89,92
HPC1	SWITCH - HIGH PRESSURE	87
HPC2	SWITCH - HIGH PRESSURE	89
HSR1	HIGH SPEED RELAY	95,96
HSR2	HIGH SPEED RELAY	96,97
LAT	LOW AMBIENT TEMP SENSOR	66
LOAM1	LOW AMBIENT CONTROLLER	66
LPC1	SWITCH - LOW PRESSURE	87
LPC2	SWITCH - LOW PRESSURE	89
LTB1	TERMINAL BLOCK	63,72,73,74,75,76,77,78,79,80,96,97,98
LVC	LOW VOLTAGE (24V) COMMON	68
MAS	MIXED AIR TEMP SENSOR	100
OAT	OUTSIDE AIR TEMPERATURE	104
ODF	CONTACTOR - OUTDOOR FAN	91
OHS	OUTSIDE AIR HUMIDITY SENSOR	102
PHM	MODULE - PHASE MONITOR	63
R1	RESISTOR - 2-SPEED FAN 1.1K	95
RAS	RETURN AIR TEMP SENSOR	106
RHS	RETURN AIR HUMIDITY SENSOR	108
RMP	REMOTE MINIMUM POSITION	111
RTEM-EM	MODULE RELIABLE ECONOMIZER	83
TDR	TIME DELAY RELAY	92
TS	TEMP SWITCH	91
VFD	VARIABLE FREQ DRIVE	94
VRR	VFD RUN RELAY	82,99
XDCR1	OD PRESSURE TRANSDUCER	65
XDCR2	OD PRESSURE TRANSDUCER	65
XFR	CONTACTOR - POWER EXHAUST	114

THIS DRAWING IS THE PROPERTY OF TRANE. IT IS TO BE USED ONLY FOR THE PROJECT AND SITE SPECIFIC TO WHICH IT WAS ISSUED. IT IS NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT THE WRITTEN CONSENT OF TRANE.

PROJECT: L. CARSON
DATE: 12-18-2013
BY: J. D. WILSON
SCALE: AS SHOWN

TRANE
2313-2206
FOUNDATION
2313-2209
SCHEMATIC - ELECTRICAL-MECHANICAL CONTROLS
151-251 - COOLING ONLY WITH VFD

FILE NUMBER: 2313-2206
DRAWING NUMBER: 2313-2209
SHEET: 1 OF 1
REV: B