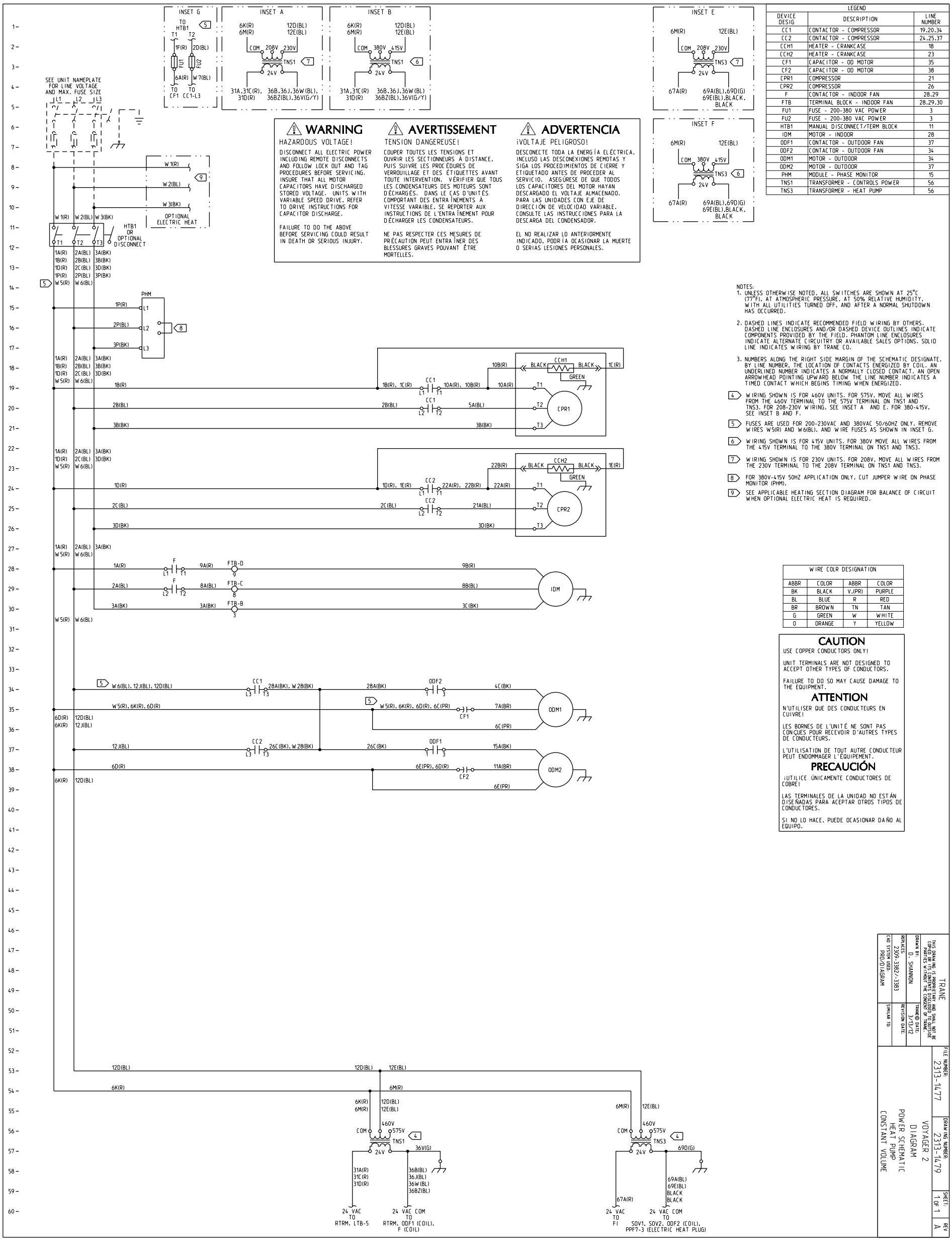

LEGEND		
DEVICE DESIG	DESCRIPTION	LINE NUMBER
CC1	CONTACTOR - COMPRESSOR	19,20,34
CC2	CONTACTOR - COMPRESSOR	24,25,37
CCH1	HEATER - CRANKCASE	18
CCH2	HEATER - CRANKCASE	23
CF1	CAPACITOR - OD MOTOR	35
CF2	CAPACITOR - OD MOTOR	38
CPR1	COMPRESSOR	21
CPR2	COMPRESSOR	26
F	CONTACTOR - INDOOR FAN	28,29
FTB	TERMINAL BLOCK - INDOOR FAN	28,29,30
FU1	FUSE - 200-380 VAC POWER	3
FU2	FUSE - 200-380 VAC POWER	3
HTB1	MANUAL DISCONNECT/TERM BLOCK	11
IDM	MOTOR - INDOOR	28
ODF1	CONTACTOR - OUTDOOR FAN	37
ODF2	CONTACTOR - OUTDOOR FAN	34
ODM1	MOTOR - OUTDOOR	34
ODM2	MOTOR - OUTDOOR	37
PHM	MODULE - PHASE MONITOR	15
TNS1	TRANSFORMER - CONTROLS POWER	56
TNS3	TRANSFORMER - HEAT PUMP	56

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 WIRING SHOWN IS FOR 460V UNITS. FOR 575V, MOVE ALL WIRES FROM THE 460V TERMINAL TO THE 575V TERMINAL ON TNS1 AND TNS3. FOR 208-230V WIRING, SEE INSET A AND E. FOR 380-415V, SEE INSET B AND F.

5 FUSES ARE USED FOR 200-230VAC AND 380VAC 50/60HZ ONLY. REMOVE WIRES W5(R) AND W6(BL), AND WIRE FUSES AS SHOWN IN INSET G.

6 WIRING SHOWN IS FOR 415V UNITS. FOR 380V MOVE ALL WIRES FROM THE 415V TERMINAL TO THE 380V TERMINAL ON TNS1 AND TNS3.

7 WIRING SHOWN IS FOR 230V UNITS. FOR 208V, MOVE ALL WIRES FROM THE 230V TERMINAL TO THE 208V TERMINAL ON TNS1 AND TNS3.

8 FOR 380V-415V 50HZ APPLICATION ONLY. CUT JUMPER WIRE ON PHASE MONITOR (PHM).

9 SEE APPLICABLE HEATING SECTION DIAGRAM FOR BALANCE OF CIRCUIT WHEN OPTIONAL ELECTRIC HEAT IS REQUIRED.

WIRE COLR DESIGNATION			
ABBR	COLOR	ABBR	COLOR
BK	BLACK	V.(PR)	PURPLE
BL	BLUE	R	RED
BR	BROWN	TN	TAN
G	GREEN	W	WHITE
O	ORANGE	Y	YELLOW

CAUTION

USE COPPER CONDUCTORS ONLY!

UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.

FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.

ATTENTION

N'UTILISER QUE DES CONDUCTEURS EN CUIVRE!

LES BORNES DE L'UNITÉ NE SONT PAS CONÇUES POUR RECEVOIR D'AUTRES TYPES DE CONDUCTEURS.

L'UTILISATION DE TOUT AUTRE CONDUCTEUR PEUT ENDOMMAGER L'ÉQUIPEMENT.

PRECAUCIÓN

¡UTILICE ÚNICAMENTE CONDUCTORES DE COBRE!

LAS TERMINALES DE LA UNIDAD NO ESTÁN DISEÑADAS PARA ACEPTAR OTROS TIPOS DE CONDUCTORES.

SI NO LO HACE, PUEDE OCASIONAR DAÑO AL EQUIPO.

THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR REPRODUCED IN WHOLE OR IN PART WITHOUT THE CONSENT OF TRANE.

TRANE

DRAWN BY: D. SHANNON
TRANE@ DATE: 3/13/12
REPLACES: 2309-3382/-3383
REVISION DATE:
CAD SYSTEM USED: PRO/DIAGRAM
SIMILAR TO:

FILE NUMBER: 2313-1477
DRAWING NUMBER: 2313-1479
SHEET: 1 OF 1
REV: A

VOYAGER 2
DIAGRAM
POWER SCHEMATIC
HEAT PUMP
CONSTANT VOLUME