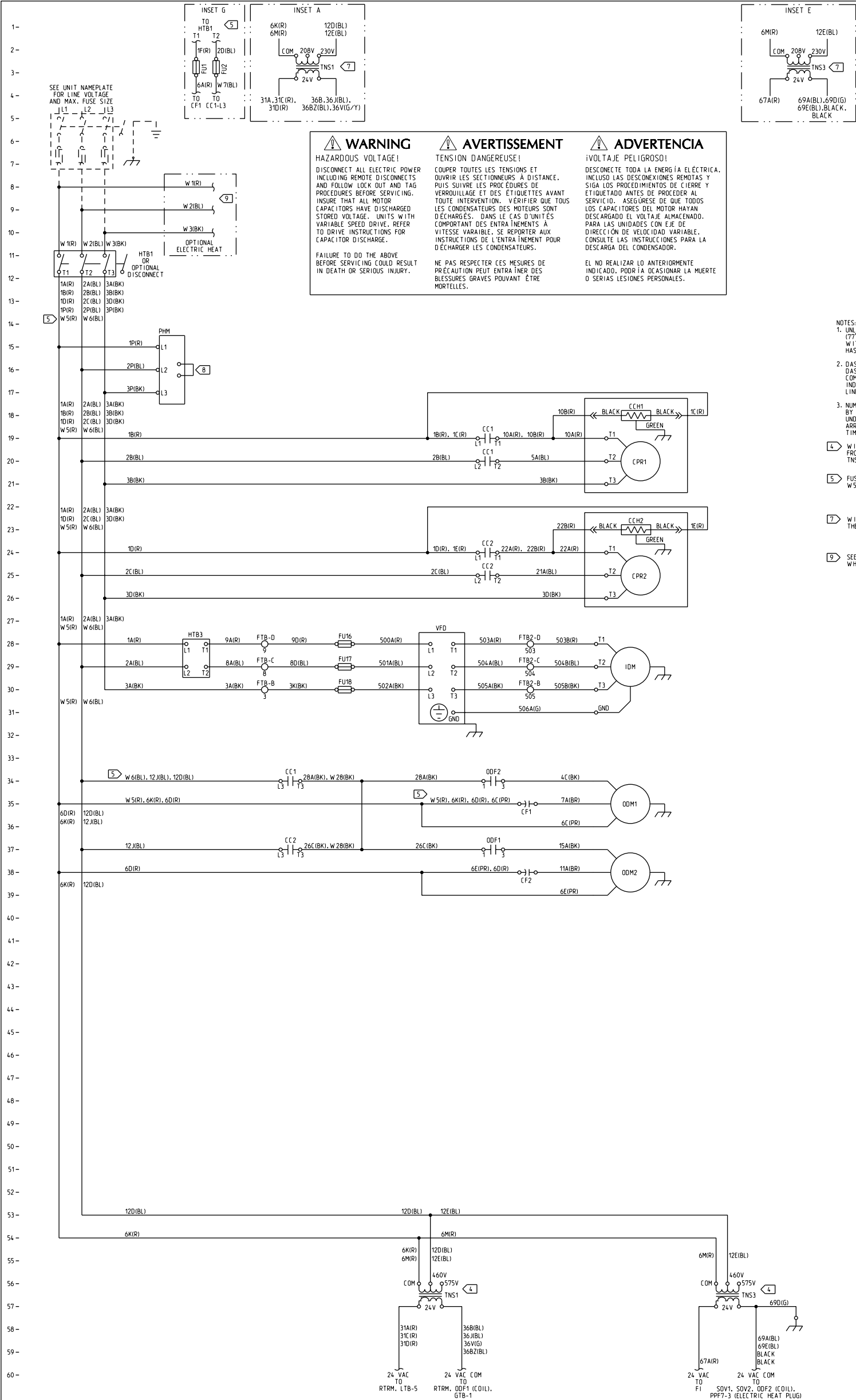




⚠ WARNING
HAZARDOUS VOLTAGE!
DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS AND FOLLOW LOCK OUT AND TAG PROCEDURES BEFORE SERVICING. INSURE THAT ALL MOTOR CAPACITORS HAVE DISCHARGED STORED VOLTAGE. UNITS WITH VARIABLE SPEED DRIVE, REFER TO DRIVE INSTRUCTIONS FOR CAPACITOR DISCHARGE.
FAILURE TO DO THE ABOVE BEFORE SERVICING COULD RESULT IN DEATH OR SERIOUS INJURY.

⚠ AVERTISSEMENT
TENSION DANGEREUSE!
COUPER TOUTES LES TENSIONS ET OUVRIR LES SECTIONNEURS A DISTANCE. PUIS SUIVRE LES PROCÉDURES DE VERROUILLAGE ET DES ÉTIQUETTES AVANT TOUTE INTERVENTION. VÉRIFIER QUE TOUS LES CONDENSATEURS DES MOTEURS SONT DÉCHARGÉS. DANS LE CAS D'UNITÉS COMPORTANT DES ENTRAÎNEMENTS À VITESSE VARIABLE, SE REPORTER AUX INSTRUCTIONS DE L'ENTRAÎNEMENT POUR DÉCHARGER LES CONDENSATEURS.
NE PAS RESPECTER CES MESURES DE PRÉCAUTION PEUT ENTRAÎNER DES BLESSURES GRAVES POUVANT ÊTRE MORTELLES.

⚠ ADVERTENCIA
¡VOLTAJE PELIGROSO!
DESCONECTE TODA LA ENERGÍA ELÉCTRICA, INCLUIDO LAS DESCONEXIONES REMOTAS Y SIGA LOS PROCEDIMIENTOS DE CIERRE Y ETIQUETADO ANTES DE PROCEDER AL SERVICIO. ASEGÚRESE DE QUE TODOS LOS CAPACITORES DEL MOTOR HAYAN DESCARGADO EL VOLTAJE ALMACENADO. PARA LAS UNIDADES CON EJE DE DIRECCIÓN DE VELOCIDAD VARIABLE, CONSULTE LAS INSTRUCCIONES PARA LA DESCARGA DEL CONDENSADOR.
EL NO REALIZAR LO ANTERIORMENTE INDICADO, PODRÍA OCASIONAR LA MUERTE O SERIAS LESIONES PERSONALES.

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
FTB	TERMINAL BLOCK - INDOOR FAN	28,29,30
FTB2	TERMINAL BLOCK - INDOOR FAN-VFD	28,29,30
FU1	FUSE - 200-380 VAC POWER	3
FU16	FUSE - VFD	28
FU17	FUSE - VFD	29
FU18	FUSE - VFD	30
FU2	FUSE - 200-380 VAC POWER	3
HTB1	MANUAL DISCONNECT/TERM BLOCK	11
HTB3	TERMINAL BLOCK - HIGH VOLTAGE	28
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
VFD	VARIABLE FREQUENCY DRIVE - IDM	28

- NOTES:
- 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.
 - 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.
 - 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.
- Ⓛ 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.
- Ⓜ FUSES ARE USED FOR 208-230VAC 60HZ ONLY. REMOVE WIRES W5(R) AND W6(BL), AND WIRE FUSES AS SHOWN IN INSET G.
- Ⓝ WIRING SHOWN IS FOR 230V UNITS. FOR 208V, MOVE ALL WIRES FROM THE 230V TERMINAL TO THE 208V TERMINAL ON TNS1 AND TNS3.
- Ⓞ SEE APPLICABLE HEATING SECTION DIAGRAM FOR BALANCE OF CIRCUIT WHEN OPTIONAL ELECTRIC HEAT IS REQUIRED.

WIRE COLOR 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.

TRANE		FILE NUMBER	DRAWING NUMBER	SHEET	REV
THIS DRAWING IS THE PROPERTY OF TRANE. IT IS TO BE USED ONLY FOR THE PARTS AND MATERIALS SPECIFIED HEREIN. NO PARTS OR MATERIALS ARE TO BE USED WITHOUT THE CONSENT OF TRANE.		2313-1477	2313-1483	1 OF 1	A
DRAWN BY: D. SHANNON		CHECKED BY: J. J. J. J.		DATE: 2/2/12	
REVISED: 2313-0062-0063		BY: J. J. J. J.		DATE: 2/2/12	
LAD SYSTEM: 2313-0062-0063		SCALE: 1:1		BY: J. J. J. J.	
PROJ/DIAGRAM		VARIABLE AIR VOLUME		POWER SCHEMATIC	
				HEAT PUMP	
				DIAGRAM 2	