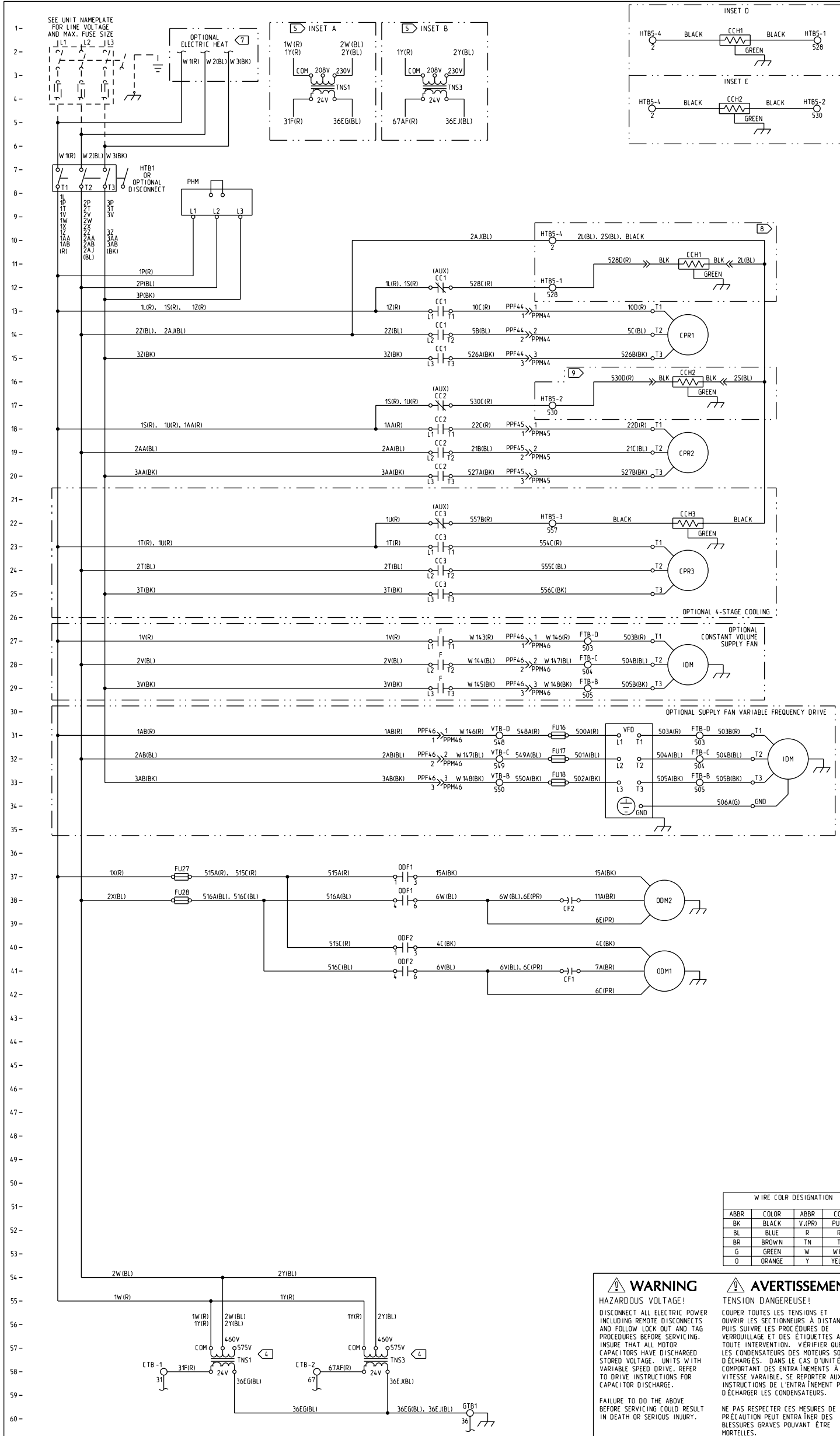




LEGEND		
DEVICE DESIG	DESCRIPTION	LINE NUMBER
CC1	CONTACTOR - COMPRESSOR	12,13,14,15
CC2	CONTACTOR - COMPRESSOR	17,18,19,20
CC3	CONTACTOR - COMPRESSOR	22,23,24,25
CCH1	HEATER - CRANKCASE	11
CCH2	HEATER - CRANKCASE	16
CCH3	HEATER - CRANKCASE	22
CF1	CAPACITOR - OD MOTOR	41
CF2	CAPACITOR - OD MOTOR	38
CPR1	COMPRESSOR	13
CPR2	COMPRESSOR	18
CPR3	COMPRESSOR	23
F	CONTACTOR - INDOOR FAN	27,28,29
FU16	FUSE - VFD	31
FU17	FUSE - VFD	32
FU18	FUSE - VFD	33
FU27	FUSE - OUTDOOR FAN MOTORS	37
FU28	FUSE - OUTDOOR FAN MOTORS	38
HTB1	MANUAL DISCONNECT/TERM BLOCK	7
HTB5	TERMINAL BLOCK - CRANK CASE HEATER	10,12,17,22
IDM	MOTOR - INDOOR	27,31
ODF1	CONTACTOR - OUTDOOR FAN	37,38
ODF2	CONTACTOR - OUTDOOR FAN	40,41
ODM1	MOTOR - OUTDOOR FAN	40
ODM2	MOTOR - OUTDOOR FAN	37
PHM	MODULE - PHASE MONITOR	9
TNS1	TRANSFORMER - CONTROLS POWER	57
TNS3	TRANSFORMER - CONTROLS POWER	57
VFD	VARIABLE FREQUENCY DRIVE - IDM	31
VTB	TERMINAL BLOCK - VFD POWER	31,32,33

- 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 230V WIRING, SEE INSET A AND B.
5. WIRING SHOWN IS FOR 230V UNITS. FOR 208V, MOVE ALL WIRES FROM THE 230V TERMINAL TO THE 208V TERMINAL.
7. SEE APPLICABLE HEATING SECTION DIAGRAM FOR BALANCE OF CIRCUIT WHEN OPTIONAL ELECTRIC HEAT IS REQUIRED.
8. CRANK CASE HEATER CONNECTIONS MADE INSIDE COMPRESSOR JUNCTION BOX. IF JUNCTION BOX IS NOT PRESENT, SEE INSET D.
9. CRANK CASE HEATER CONNECTIONS MADE INSIDE COMPRESSOR JUNCTION BOX. IF JUNCTION BOX IS NOT PRESENT, SEE INSET E.

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'EQUIPEMENT.

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.

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

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 TOUTS LES CONDENSATEURS DES MOTEURS SONT DÉCHARGÉS. DANS LE CAS D'UNITÉS COMPORTANT DES ENTRAÎNEMENTS A VITESSE VARIABLE, SE REPORTER AUX INSTRUCTIONS DE L'ENTRAÎNEMENT POUR DÉCHARGER LES CONDENSATEURS.

NE PAS RESPECTER CES MESURES DE PRÉCAUTION PEUT ENTRAINER DES BLESSURES GRAVES POUVANT ÊTRE MORTELLES.

ADVERTENCIA

¡VOLTAJE PELIGROSO!

DESCONECTE TODA LA ENERGÍA ELÉCTRICA, INCLUSO LAS DESCONEXIONES REMOTAS Y SIGA LOS PROCEDIMIENTOS DE CIERRE Y ETIQUETADO ANTES DE PROCEDER AL SERVICIO. ASEGURESE 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.

FILE NUMBER		DRAWING NUMBER		SHEET	
1213-1046		1213-1001		1 OF 1	
DRAWN BY: B. W. ALDEN		TRACED DATE: 7-JUL-2014		REV: C	
REVISIONS: --		REVISION DATE: 31-JUL-2014			
CIRCUIT DESCRIPTION: F1 (OD) DIAGRAM		SYMBOL TO: --			

POWER SCHEMATIC
COOLING ONLY / HEAT PUMP
5K SCIR