⚠ 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 À 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 VARAIBLE, 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, INCLUSO 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		
REF DES	DESCRIPTION	LINE NO
CC1	CONTACTOR; COMPRESSOR 1	12
CC1-AUX	SWITCH; CONTACTOR, COMPRESSOR 1	26
CC2	CONTACTOR; COMPRESSOR 2	15
CC2-AUX	SWITCH; CONTACTOR, COMPRESSOR 2	28
CCH1	HEATER; CRANKCASE 1	25
CCH2	HEATER; CRANKCASE 2	28
CPR1	COMPRESSOR 1.	12
CPR2	COMPRESSOR 2	15
FU33	FUSE - HTB 2	26
FU34	FUSE - HTB 2	27
GLC	GROUND LUG; CONTROL BOX	7
HTB 1	TERMINAL BLOCK 1	6
HTB 2	TERMINAL BLOCK 2	26
ODM1	MOTOR; OUTDOOR FAN 1	18
ODM2	MOTOR; OUTDOOR FAN 2	22
OFC1	CONTACTOR; OUTDOOR FAN 1	18
OFC2	CONTACTOR; OUTDOOR FAN 2	22
PHM	MODULE; PHASE MONITOR	9
TNS1	TRANSFORMER 1- CONTROLS PWR	40
TNS2	TRANSFORMER 2 - CONTROLS PWR	40
TNS3	TRANSFORMER 3 - CONTROLS PWR	40

CAUTION

USE COPPER CONDUCTORS, SIZED BASED ON NEC 75°C RATINGS.

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

FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.

ATTENTION

UTILISER DES CONDUCTEURS EN CUIVRE, CALIBRÉS SUR LA BASE DES VALEURS NOMINALES NEC 75 °C.

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

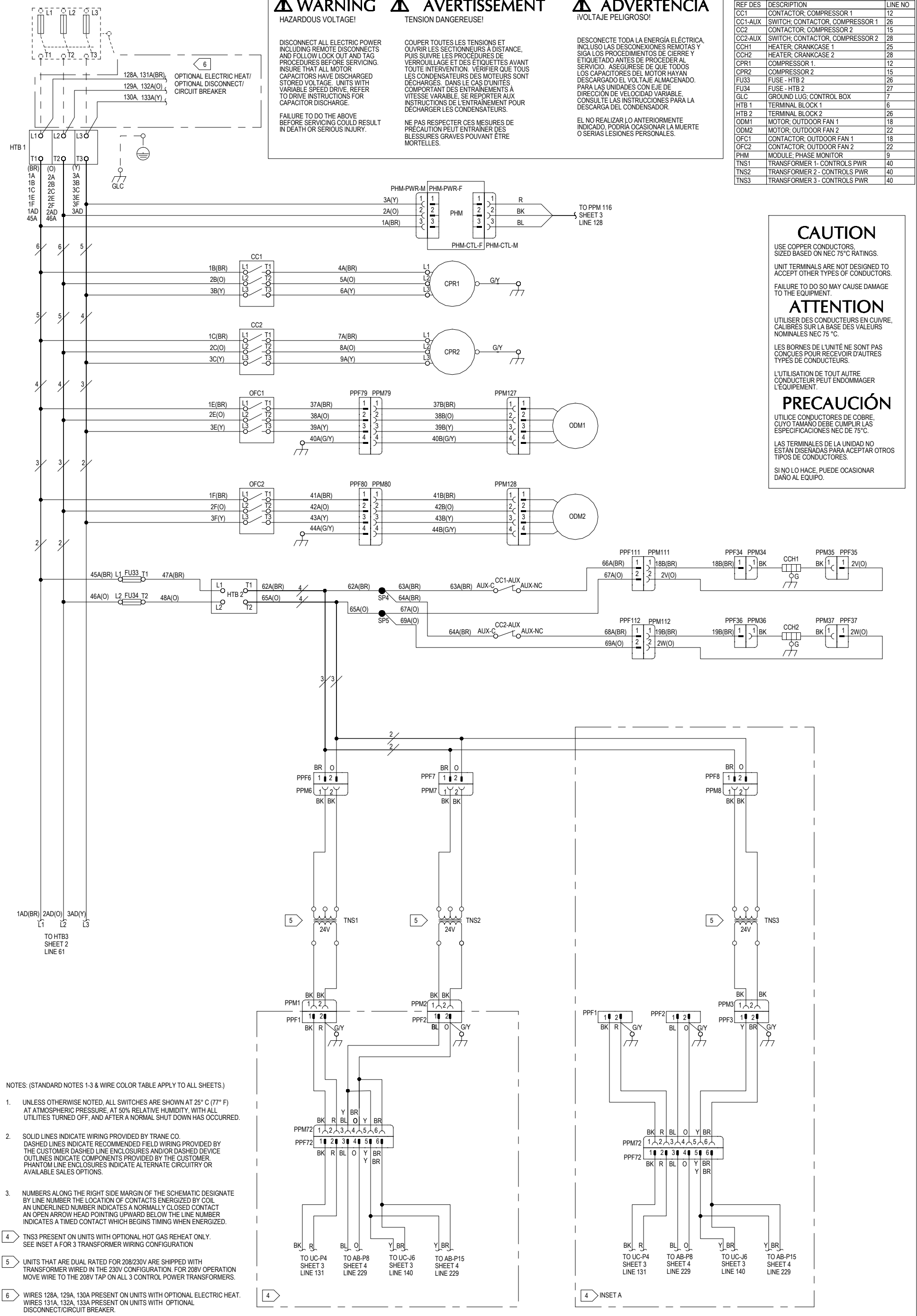
L'UTILISATION DE TOUT AUTRE CONDUCTEUR PEUT ENDOMMAGER L'ÉQUIPEMENT.

PRECAUCIÓN

UTILICE CONDUCTORES DE COBRE, CUYO TAMAÑO DEBE CUMPLIR LAS ESPECIFICACIONES NEC DE 75°C.

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

SI NO LO HACE, PUEDE OCASIONAR DAÑO AL EQUIPO.



NOTES: (STANDARD NOTES 1-3 & WIRE COLOR TABLE APPLY TO ALL SHEETS.)

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 SHUT DOWN HAS OCCURRED.

2. SOLID LINES INDICATE WIRING PROVIDED BY TRANE CO. DASHED LINES INDICATE RECOMMENDED FIELD WIRING PROVIDED BY THE CUSTOMER DASHED LINE ENCLOSURES AND/OR DASHED DEVICE OUTLINES INDICATE COMPONENTS PROVIDED BY THE CUSTOMER. PHANTOM LINE ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS.

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 ARROW HEAD POINTING UPWARD BELOW THE LINE NUMBER INDICATES A TIMED CONTACT WHICH BEGINS TIMING WHEN ENERGIZED.

4 TNS3 PRESENT ON UNITS WITH OPTIONAL HOT GAS REHEAT ONLY. SEE INSET A FOR 3 TRANSFORMER WIRING CONFIGURATION

5 UNITS THAT ARE DUAL RATED FOR 208/230V ARE SHIPPED WITH TRANSFORMER WIRED IN THE 230V CONFIGURATION. FOR 208V OPERATION MOVE WIRE TO THE 208V TAP ON ALL 3 CONTROL POWER TRANSFORMERS.

6 WIRES 128A, 129A, 130A PRESENT ON UNITS WITH OPTIONAL ELECTRIC HEAT. WIRES 131A, 132A, 133A PRESENT ON UNITS WITH OPTIONAL DISCONNECT/CIRCUIT BREAKER.

WIRE COLOR ABBREVIATION CODES			
CODE	COLOR	CODE	COLOR
BK	BLACK	PK	PINK
BL	BLUE	R	RED
BR	BROWN	TQ	TURQUOISE
G	GREEN	V,(PR)	PURPLE
GY	GREY	W	WHITE
O	ORANGE	Y	YELLOW

SYMBOL LEGEND

TRANE WIRING: ———	CUSTOMER PROVIDED: — — —	EARTH GROUND: ⏚	SPLICE: ●	MULTIPLE WIRE SYMBOL: /	SHIELDED CABLE: ⌒
FIELD WIRING: — — —	ALTERNATE/OPTIONS: —— - ——	EQUIPMENT CHASSIS: ⏚	JUNCTION: ●	TWISTED CONDUCTORS: ⟋	LINE BREAK: ⟆

TRANE ®

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PRECEDENT
UNIT SCHEMATIC; SHEET1
POWER, DUAL COMPRESSOR, DUAL CONDENSER FAN, STD SCCR

DESIGNER:	ENGINEER:	NUMBER:	TRANE © DATE:	REV	SHEET
N.MOSES	S.SUNDAR	12135092	10-AUG-2025	A	1