



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.

COUPER TOUTES LES TENSIONS ET
OUVRIR LES SECTIONNEURS A DISTANCE.
SUIVRE LES PROCÉDURES DE
VERROUILLAGE ET DES ÉTIQUETTES AVANT
TOUTE INTERVENTION. VÉRIFIER QUE TOUTES
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.

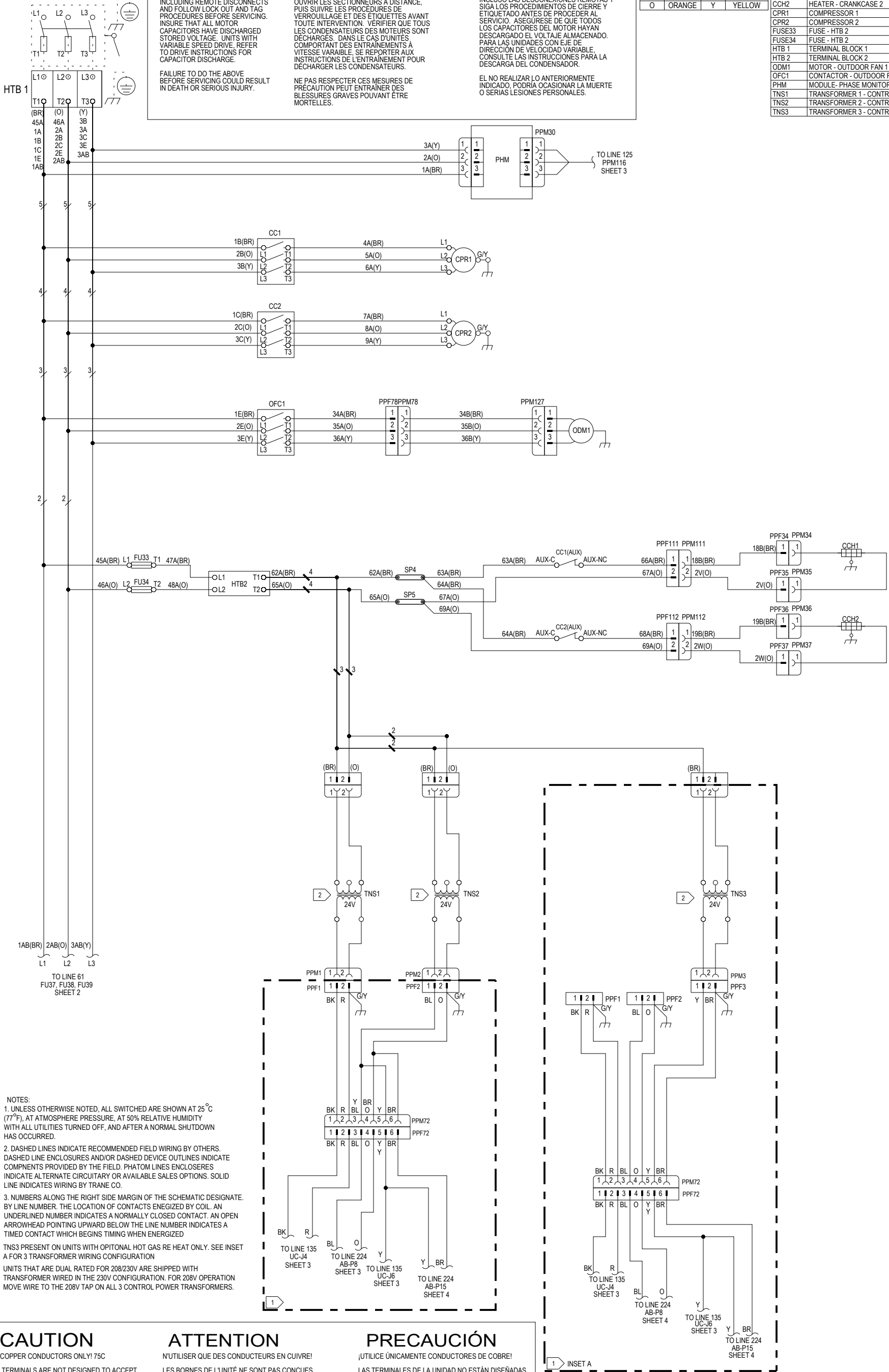
NE PAS RESPECTER CES MESURES DE
PRÉCAUTION PEUT ENTRAÎNER DES
BLESSURES GRAVES POUVANT ÊTRE
MORTELLLES.

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.

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

REF DES	LEGEND	LINE NO
CC1	CONTACTOR - COMPRESSOR 1	13
CC1(AUX)	SWITCH, CONTACTOR - COMPRESSOR 1	26
CC2	CONTACTOR - COMPRESSOR 2	16
CC2(AUX)	SWITCH, CONTACTOR - COMPRESSOR 2	28
CH1	HEATER - CRANKCASE 1	25
CH2	HEATER - CRANKCASE 2	28
CPR1	COMPRESSOR 1	13
CPR2	COMPRESSOR 2	16
FUSE33	FUSE - HTB 2	27
FUSE34	FUSE - HTB 2	26
HTB 1	TERMINAL BLOCK 1	6
HTB 2	TERMINAL BLOCK 2	6
ODM1	MOTOR - OUTDOOR FAN 1	20
OF1	CONTACTOR - OUTDOOR FAN 1	20
PHM	MODULE - PHASE MONITOR	8
TNS1	TRANSFORMER 1 - CONTROLS PWR	41
TNS2	TRANSFORMER 2 - CONTROLS PWR	40
TNS3	TRANSFORMER 3 - CONTROLS PWR	40



NOTES:

1. UNLESS OTHERWISE NOTED, ALL SWITCHED ARE SHOWN AT 25 °C (77°F), AT ATMOSPHERE 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 LINES 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

TNS3 PRESENT ON UNITS WITH OPITONAL HOT GAS RE HEAT ONLY. SEE INSET
A FOR 3 TRANSFORMER WIRING CONFIGURATION

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.

CAUTION

USE COPPER CONDUCTORS ONLY! 75C

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 PE
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.

DESIGNER:	M.DERNOVSEK
ENGINEER:	S.MCKINLEY
TRANE @ DATE:	23-JAN-2023
REPLACES:	-
SIMILAR TO:	-
REVISION DATE:	-
REVISED BY:	-
APPROVED BY:	S.MCKINLEY
CAD SYSTEM USED:	CREO SCHEMATICS

TRANE®

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AND SHALL NOT BE COPIED OR
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OUTSIDE PARTIES WITHOUT THE
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PRECEDENT
UNIT SCHEMATIC; SHEET 1

POWER; DUAL COMPRESSOR
SINGLE CONDENSER FAN, STD SCCR
WITH SUPPLY VFD

MASTER NUMBER:	DRAWING NUMBER:	SHEET:	REV
-	12134719	1 OF 10	A