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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.

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AVERTISSEMENT

TENSION DANGEREUSE!

COUPER TOUTES LES TENSIONS ET OUVRIR LES SECTIONNEURS A DISTANCE, PUIS SUIVRE LES PROCEDURES DE VERROUILLAGE ET DES ETIQUETTES AVANT TOUTE INTERVENTION. VERIFIER QUE TOUS LES CONDENSATEURS DES MOTEURS SONT DECHARGES. DANS LE CAS D'UNITES COMPORTANT DES ENTRAÎNEMENTS A VITESSE VARAIBLE, SE REPORTER AUX INSTRUCTIONS DE L'ENTRAÎNEMENT POUR DECHARGER LES CONDENSATEURS.

NE PAS RESPECTER CES MESURES DE PRECAUTION PEUT ENTRAÎNER DES BLESSURES GRAVES POUVANT ÊTRE MORTELLES.

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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 DIRECCION 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.

SEE UNIT NAMEPLATE FOR LINE VOLTAGE AND MAX. FUSE SIZE

LEGEND		
REF DES	DESCRIPTION	LINE NO
FU6-FU8	FUSE BLOCK-HTB1	12
FU9-FU11	FUSE BLOCK-HC1A	15
GLC	GROUND LUG - ELECTRIC HEAT	8
HC1A	CONTACTOR-ELECTRIC HEAT	15
HC1A	COIL-ELECTRIC HEAT	14
HTB1	TERM BLOCK-CONTROL BOX	12
HTB4	TERM BLOCK-ELECTRIC HEAT	8
HTR 1A	HEATER-ELECTRIC HEAT	15

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

CONDUCTOR NAME	CONDUCTOR BASE COLOR
1	BLACK
2	RED

SYMBOL LEGEND	
SOLID LINE	_____
DASHED LINES	- - - - -
DASHED LINE ENCLOSURES	- - - - -
PHANTOM	— — — — —
	EARTH GROUND
	EQUIPMENT GROUND
	SPLICE
	JUNCTION
	MULTIPLE WIRE SYMBOL
	LINE BREAK
	TWISTED PAIR
	SHIELDED CABLE

NOTES: (STANDARD NOTES 1-3, WIRE COLOR & SYMBOL LEGEND TABLES APPLY TO ALL SHEETS.)

- 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.
- 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.
- 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.
- IF ANY OF THE ORIGINAL WIRING AS SUPPLIED WITH THE UNIT MUST BE REPLACED, USE ONLY APPLIANCE WIRING MATERIAL RATED AT 105° C OR EQUIVALENT.

5 SEE UNIT CONTROLS DIAGRAM FOR BALANCE OF CIRCUIT.

6 THERMOSTAT DEVICES ARE EQUIPPED WITH AUTO-RESETTING THERMAL LIMIT SWITCHES AND ONE-SHOT LIMIT FUSE.

7 WIRES 134A, 135A, 136A, PRESENT ON UNITS WITH OPTIONAL DISCONNECT/CIRCUIT BREAKER.

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TRANE © DATE: 22-NOV-2021

REPLACES:

SIMILAR TO:

REVISION DATE: 12-MAR-2024

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APPROVED BY: R. CERVANTES

CAD SYSTEM USED: CREO SCHEMATICS

TRANE®

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PRECEDENT

DIAGRAM

SCHEMATIC/COMPONENT LOCATION; ELECTRIC HEAT

1 STAGE 6, 9 & 18 KW 460V/575V

MASTER NUMBER:

DRAWING NUMBER:

SHEET:

REV

12134304

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