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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 VARIABLE, 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

OPTIONAL THROUGH-THE-BASE-UTILITIES W/ ELEC HEAT

SEE UNIT NAMEPLATE FOR LINE VOLTAGE AND MAX. FUSE SIZE

LEGEND		
REF DES	DESCRIPTION	LINE NO
FU6-FU8	FUSE BLOCK-HTB1	10
FU9-FU11	FUSE BLOCK-HC1A	13
HC1A	CONTACTOR-ELECTRIC HEAT	13
HC1A	COIL-ELECTRIC HEAT	14
HTB4	TERM BLOCK-ELECTRIC HEAT	5, 7
HTR 1A	HEATER-ELECTRIC HEAT	12
GLE	GROUND LUG; ELECTRIC HEAT	5
DISC	DISCONNECT SWITCH	4

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

FUSE REPLACEMENT TABLE				
FUSE NO.	UNIT TONNAGE	UNIT VOLTAGE	FUSE TYPE	FUSE AMPS AT 300V
FU6-FU8	15T	208-230V	CLASS RK5	100A
FU9-FU11	15T	208-230V	CLASS T	60A

FRONT HEATER RACK

EQUIPMENT GROUND GLE

USE COPPER CONDUCTORS ONLY

SEE UNIT NAMEPLATE FOR LINE VOLTAGE AND MAX. FUSE SIZE

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 OF THE SCHEMATIC DESIGNATE THE LOCATION OF CONTACTS BY THE LINE NUMBER. AN UNDERLINED NUMBER INDICATES A NORMALLY CLOSED CONTACT. AN OPEN ARROW BELOW THE LINE NUMBER POINTING UPWARD 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 DEG 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.

DESIGNER:	YASHRAJ N M
ENGINEER:	VENKATESH K
TRANE © DATE:	16-NOV-2023
REPLACES:	
SIMILAR TO:	
REVISION DATE:	--
REVISED BY:	--
APPROVED BY:	VENKATESH K
CAD SYSTEM USED:	CREO SCHEMATICS

TRANE®

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FOUNDATION DIAGRAM			
SCHEMATIC/COMPONENT LOCATION - ELECTRIC HEAT 18KW - 208V/240V			
MASTER NUMBER:	DRAWING NUMBER:	SHEET:	REV
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