

TRANE

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DRAWN BY:
D.CONDIE

TRANE© DATE:
01/07/2019

REPLACES:
4367-0379

REVISION DATE:
08/16/2019

CAD SYSTEM USED:
Pro/DIAGRAM

SIMILAR TO:
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FILE NUMBER:

DRAWING NUMBER:

43675771

SHEET:

1 OF 1

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ODYSSEY

DIAGRAM ELECTRIC HEAT

SCHEMATIC/CONNECTION

10.0/19.92KW ELECTRIC HEAT

460/575V 3PH

MATERIAL:

MAC-TAC MR1 LABEL MATERIAL (WHITE IN COLOR)
WITH L23 L50 ADHESIVE LINER.

ALTERNATE MATERIAL:

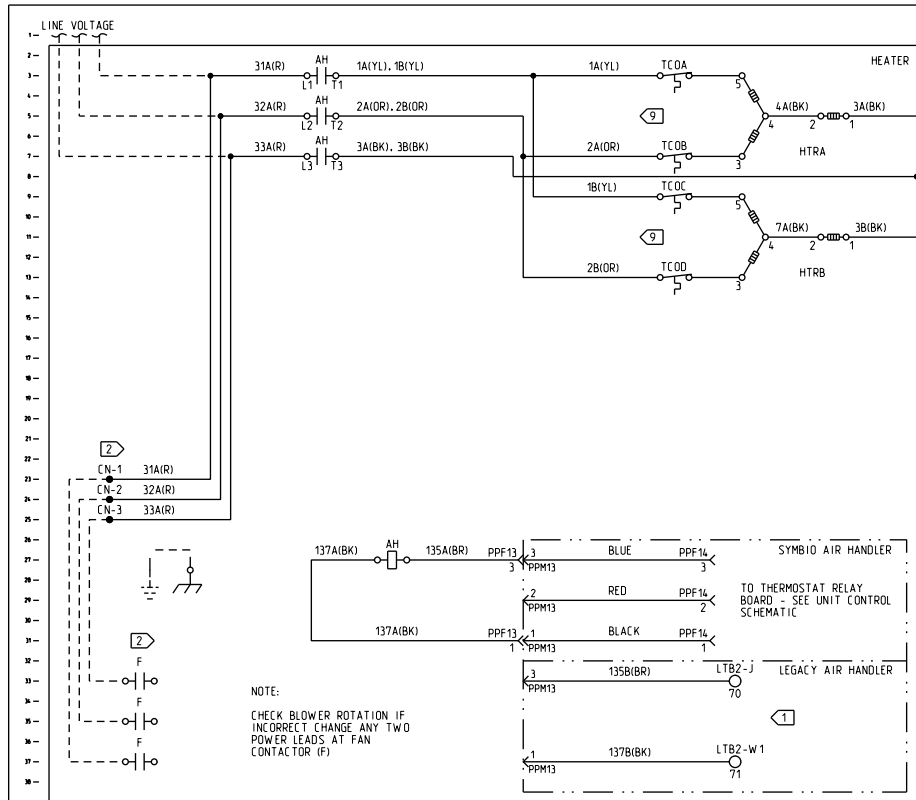
FLEXCON VINYL V400 HW TC-160 LABEL MATERIAL
(WHITE IN COLOR) WITH V-23 90 PFW ADHESIVE LINER.

NOTES:

ALL PRINTING TO BE BLACK

SIZE:

8.25 X 10.00



LEGEND		
DEVICE DESIG	DESCRIPTION	LINE NUMBER
AH	CONTACTOR - HEATER	3.5.7.27
CN-1	CONNECTOR - WIRE NUT #1	23
CN-2	CONNECTOR - WIRE NUT #2	24
CN-3	CONNECTOR - WIRE NUT #3	25
F	CONTACTOR - INDOOR FAN	33.35.37
HTRA	HEATER RACK	3
HTRB	HEATER RACK	9
LTB2	TERMINAL BLOCK - LOW VOLTAGE	33.37
TCOA	SWITCH - TEMP LIMIT	3
TCOB	SWITCH - TEMP LIMIT	7
TCOC	SWITCH - TEMP LIMIT	9
TCOD	SWITCH - TEMP LIMIT	13

AH - 3.5.7.27 <8>

ELECTRICAL RATING		
VOLTS	KW	AMPS
480	10	12
480	19.92	24
600	10	10
600	19.92	20

WIRE COLORS	
ABBR	COLOR
BK	BLACK
BR	BROWN
R	RED
YL	YELLOW
OR	ORANGE

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.

PRECAUCIÓN

N'UTILISER QUE DES CONDUCTEURS EN CUIVRE!

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

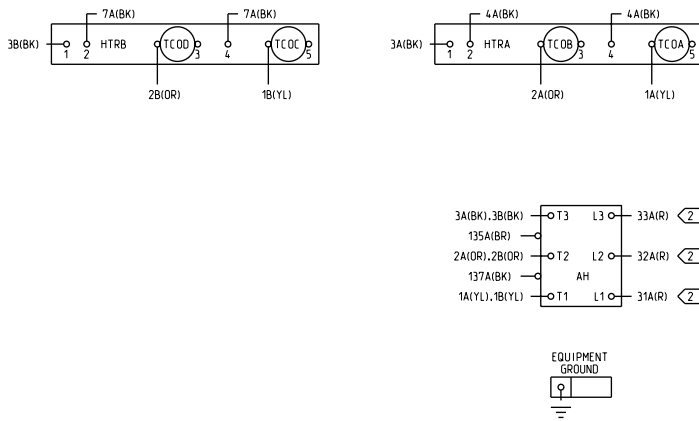
L'UTILISATION DE TOUT AUTRE CONDUCTEUR PEUT
ENDOMMAGER L'ÉQUIPEMENT.

ATTENTION

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.



NOTES:

- 1 FIELD CONNECT CONTROL LEADS AS SHOWN:
137B(BK) - LTB2-W1 (FIRST STAGE HEAT)
135B(BR) - LTB2-J (HEATER/FAN INTERLOCK)
- 2 WHEN USING SINGLE POINT POWER ENTRY THROUGH ELECTRIC
HEAT CONTROL BOX, REMOVE CONNECTORS CN-1 AND CN-2
AND CN-3 FROM THE END OF WIRES 31A(R) AND 32A(R) AND 33A(R)
THEN TERMINATE THEM INTO BOX LUGS LOCATED ON THE BOTTOM
OF THE INDOOR FAN CONTACTOR IN THE AIR HANDLER CONTROL BOX.
SEE THE ELECTRIC HEAT INSTALLER'S GUIDE FOR INSTALLATION
INSTRUCTIONS.
4. 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.
7. 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.
- 8> 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.
- 9> THERMOSTAT DEVICES ARE EQUIPPED WITH AN
AUTO-RESETTING THERMAL LIMIT SWITCH AND
ONE-SHOT THERMAL LIMIT FUSE.

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