

## NOTES:

- 1 WIRING SHOWN IS FOR 460V. FOR 575V MOVE ALL WIRES FROM 460V TERMINAL TO 575V TERMINAL ON TNS1. FOR 415V OR 380V ALL WIRES WILL BE CONNECTED TO 400V TAP ON TNS1.
- 2 WIRING SHOWN IS FOR 460V. FOR 575V MOVE ALL WIRES FROM 460V TERMINAL TO 575V TERMINAL ON TNS2. FOR 415V OR 380V ALL WIRES WILL BE CONNECTED TO 400V TAP ON TNS2.
- 4 WIRING SHOWN IS FOR 460V OR 380V. FOR 575V MOVE ALL WIRES FROM H2 TERMINAL TO H3 TERMINAL ON TNS3. FOR 415 V MOVE ALL WIRES FROM H2 TERMINAL TO H3 TERMINAL ON TNS3.
- 8 FUSE FUS, FU6, FU30, RELAY XFR, AND ASSOCIATED WIRES ARE ONLY USED WITH POWER EXHAUST OPTION.
- 10 WIRING SHOWN FOR F CONTACTOR AND FCB1 IS FOR ALL VAV UNITS, EXCEPT THOSE WITH VFD. WHEN VARIABLE FREQUENCY DRIVE IS INSTALLED SEE INSET B.
- 11 WIRING SHOWN IS FOR OPTIONAL COMMUNICATION INTERFACE. COMMUNICATION WIRES FROM BMS TO TC1/LC1 ARE TO BE WIRE TIED TO BOTTOM OF THE CONTROL BOX. SEE TC1/LC1 LITERATURE FOR SWITCH SETTINGS.
- 12 FUSE FU20, FU21 AND SWITCH SRD ARE USED FOR OPTIONAL FACTORY POWER CONVENIENCE OUTLET. WIRES 400A AND 401A ARE CONNECTED TO FACTORY SUPPLIED DISCONNECT SWITCH.

- 14 MANUAL BYPASS SWITCH AND WIRES 410C, 413A, 414A, 415A OPTIONAL.

METAL PLATE 11 X 17

TRANE

THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE CONSENT OF TRANE.

DRAWN BY:  
D. GOUTAMTRANE® DATE:  
11-30-07

REPLACES:

REVISION DATE:

CAD SYSTEM USED:

SIMILAR TO:  
2307-4689FILE NUMBER:  
2309-3453DRAWING NUMBER:  
2309-3463SHEET:  
1 OF 1REV  
AVOYAGER 3  
CONTROL BOX CONNECTION FOR  
YC 40-50 TON LO HEAT 380-575 VOLT  
VARIABLE AIR VOLUME

## IMPORTANT!

DO NOT ENERGIZE UNIT  
UNTIL CHECK-OUT AND  
START-UP PROCEDURE HAS  
BEEN COMPLETED.

## WARNING

HAZARDOUS VOLTAGE!

DISCONNECT ALL ELECTRIC POWER,  
INCLUDING REMOTE DISCONNECTS,  
BEFORE SERVICING.FAILURE TO DISCONNECT POWER  
BEFORE SERVICING CAN CAUSE  
SEVERE PERSONAL INJURY OR  
DEATH.

## AVERTISSEMENT

VOLTAGE HASARDEUX!

DECONNECTEZ TOUTES LES SOURCES  
ELECTRIQUES INCLUANT LES DISJONCTEURS  
SITUES A DISTANCE AVANT D'EFFECTUER  
L'ENTRETIEN.FAUTE DE DECONNECTER LA SOURCE  
ELECTRIQUE AVANT D'EFFECTUER  
L'ENTRETIEN PEUT ENTRAÎNER DES BLESSURES  
CORPORELLES SEVERES OU LA MORT.

## 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.