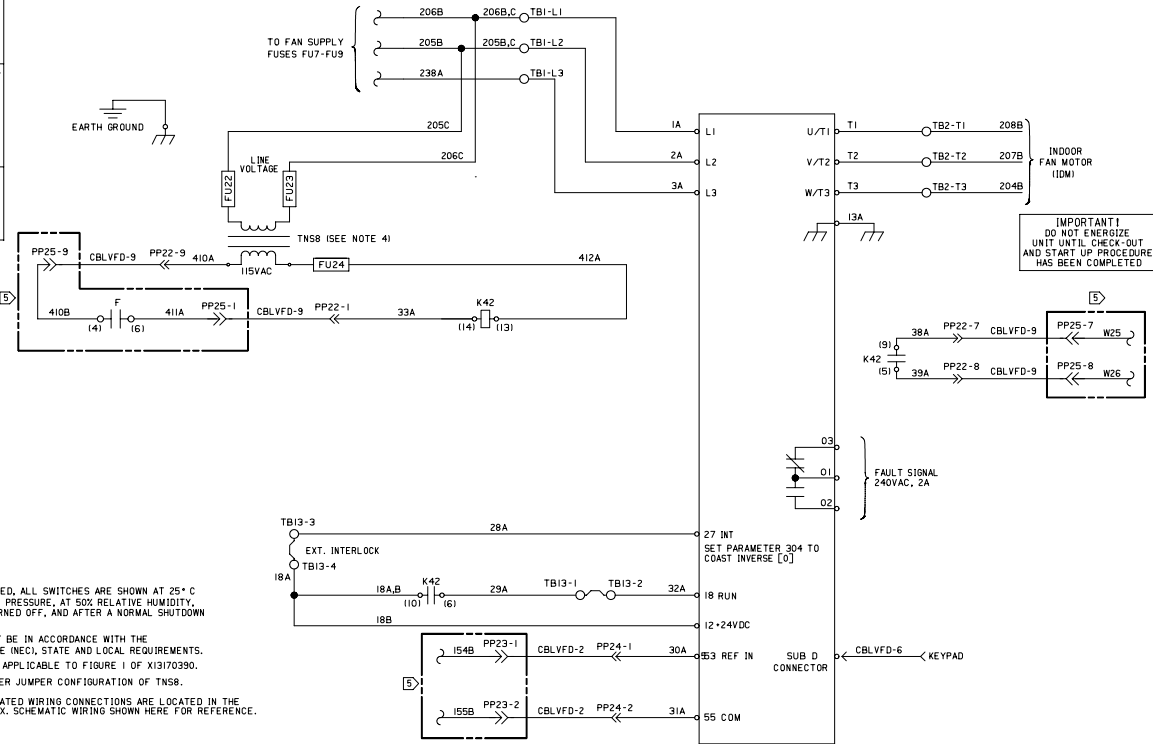


WARNING
HAZARDOUS VOLTAGE
DISCONNECT ALL ELECTRIC POWER
INCLUDING REMOTE DISCONNECTS
BEFORE SERVICING.
FAILURE TO DISCONNECT POWER
BEFORE SERVICING CAN CAUSE
SEVERE PERSONAL INJURY OR DEATH.

AVERTISSEMENT
VOLTAGE HAZARDEUX
DISCONNECTEZ TOUTES LES SOURCES
ÉLECTRIQUES INCLUANT LES
DISCONNECTEURS À DISTANCE
AVANT D'EFFECTUER L'ENTRETIEN.
FAUTE DE RECONNECTER LA SOURCE
ÉLECTRIQUE AVANT D'EFFECTUER
L'ENTRETIEN PEUT ENTRAÎNER DES
BLESSURES CORPORELLES SÈVES
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.

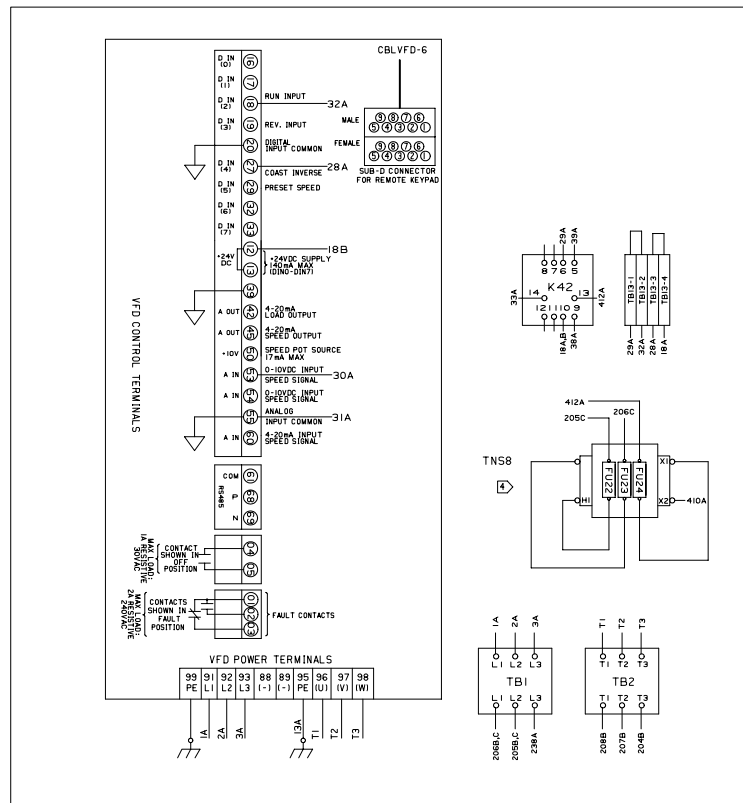


- NOTES:
- UNLESS OTHERWISE NOTED, ALL SWITCHES ARE SHOWN AT 25° C (77° F), AT ATMOSPHERIC PRESSURE, AT 50% RELATIVE HUMIDITY, WITH ALL UTILITIES TURNED OFF, AND AFTER A NORMAL SHUTDOWN HAS OCCURRED.
 - ALL FIELD WIRING MUST BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC), STATE AND LOCAL REQUIREMENTS.
 - THIS PANEL LAYOUT IS APPLICABLE TO FIGURE 1 OF X13170390.
 - SEE INSET B FOR PROPER JUMPER CONFIGURATION OF TNS8.
 - PP23, PP25, F & ASSOCIATED WIRING CONNECTIONS ARE LOCATED IN THE MAIN UNIT CONTROL BOX. SCHEMATIC WIRING SHOWN HERE FOR REFERENCE.

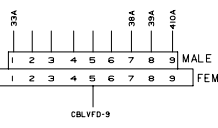
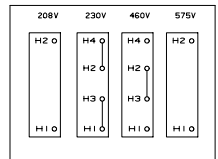
ABBREVIATIONS	
F	IDM FAN RELAY
TB	TERMINAL BLOCK
K42	RUN COMMAND RELAY
VFD	VARIABLE FREQUENCY DRIVE

(SEE NOTE 3)

VFD ASSEMBLY



INSET B (SEE NOTE 4)



FUSE REPLACEMENT TABLE					
HIGH EFFICIENCY MOTORS					
VFD CIRCUIT FUSE FU7-FU9 CLASS "T" FUSES	UNIT VOLTAGE	FUSE RATING	7.5 HP	10 HP	15 HP
	208V/60/3	600V	80A	100A	125A
	230V/60/3	600V	60A	90A	125A
	460V/60/3	600V	35A	45A	60A
	575V/60/3	600V	25A	30A	40A
	208-230V	CLASS CC			1.5 AMP
	460V	CLASS CC			0.8 AMP
	575V	CLASS CC			0.6 AMP
	208-230V	CLASS CC			2.0 AMP
	460V	CLASS CC			2.0 AMP
	575V	CLASS CC			2.0 AMP

PROGRAMMING PARAMETERS			
MENU	PARAMETER	DESCRIPTION	SETTING
LOAD AND MOTOR	103	MOTOR VOLTAGE	SET ONLY FOR 200/230V 60Hz APPLICATIONS
	105	MOTOR CURRENT	SET BASED ON MOTOR NAMEPLATE
	106	RATED MOTOR SPEED	SET BASED ON MOTOR NAMEPLATE
REFERENCE AND LIMITS	201	OUTPUT FREQUENCY LOW LIMIT	39Hz
	204	OUTPUT FREQUENCY MIN. REFERENCE	39Hz
	215	CURRENT LIMIT	1 x RATED CURRENT

TRANE
A DIVISION OF TRANE COMPANY, INC.
10000 TRANE DRIVE, GREENWOOD, MS 38901
TEL: 662-882-1000 FAX: 662-882-1001
WWW.TRANE.COM

REPLACES: C40055
SINCE: 2307-4578

FILE NUMBER: 2309-3208
DRAWING NUMBER: B

SCHEMATIC AND CONNECTION DIAGRAM
VFD 3 ID FAN VARIABLE FREQUENCY
DRIVE W/O BYPASS CONTROL