UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCE: X = ± XX = ± XXX = ± ANGLES = ± FINISH ✓ HOLE DIA = + - CONFORMS TO ASME Y14.5M - 1994

TRANE
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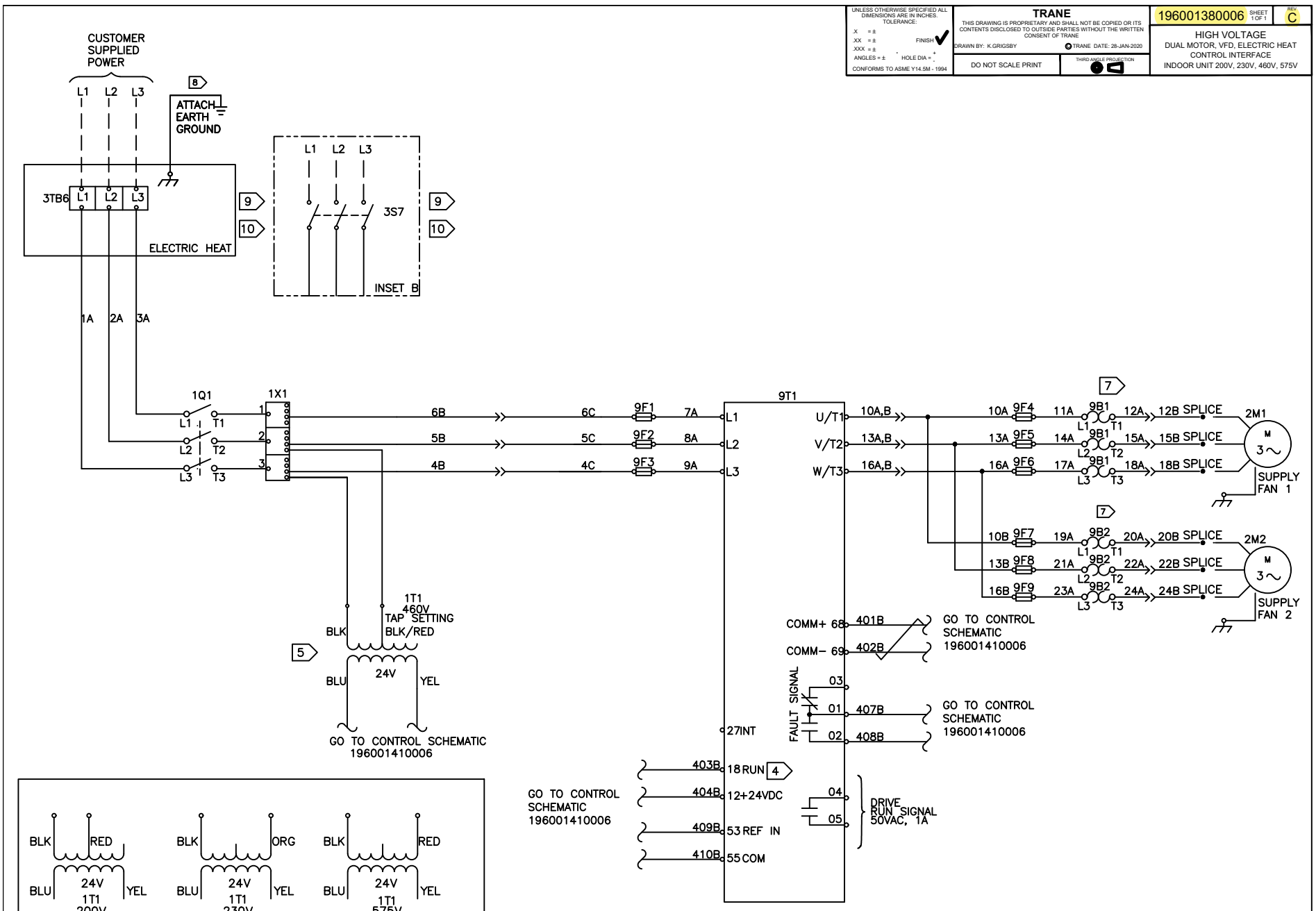
DRAWN BY: K.GRIGSBY TRANE DATE: 28-JAN-2020
DO NOT SCALE PRINT THIRD ANGLE PROJECTION

196001380006 SHEET 1 OF 1 REV C

HIGH VOLTAGE
DUAL MOTOR, VFD, ELECTRIC HEAT CONTROL INTERFACE
INDOOR UNIT 200V, 230V, 460V, 575V



VFD FUSE – 9F1, 9F2, 9F3			
VOLTAGE	MOTOR HP	FUSE	CLASS
200/230	3	JJN–50	T
200/230	5	JJN–80	T
200/230	7.5	JJN–100	T
200/230	10	JJN–100	T
460	3	LP–CC–25	CC
460	5	LP–CC–25	CC
460	7.5	JJS–50	T
460	10	JJS–50	T
460	15	JJS–80	T
575	3	LP–CC–20	CC
575	5	LP–CC–20	CC
575	7.5	LP–CC–30	CC
575	10	LP–CC–30	CC
575	15	JJS–80	T

MOTOR FUSE – 9F4 THRU 9F9			
VOLTAGE	MOTOR HP	FUSE	CLASS
200/230	3	LP–CC–20	CC
200/230	5	LP–CC–30	CC
200/230	7.5	LPJ–40SP	J
200/230	10	LPJ–50SP	J
460	3	LP–CC–10	CC
460	5	LP–CC–12	CC
460	7.5	LP–CC–20	CC
460	10	LP–CC–20	CC
460	15	LPJ–35SP	J
575	3	LP–CC–6	CC
575	5	LP–CC–10	CC
575	7.5	LP–CC–15	CC
575	10	LP–CC–20	CC
575	15	LP–CC–25	CC

DEVICE PREFIX LOCATION CODE	
AREA	LOCATION
1	MAIN CONTROL PANEL
2	SUPPLY FAN&COIL SECTION
3	ELECTRIC HEAT CONTROL BOX
4	FILTER SECTION
5	MIXING BOX SECTION
6	COIL ACCESS SECTION
7	EXTERNAL PIPING
8	FIELD INSTALLED DEVICE
9	VFD CONTROL PANEL

DEVICE	DESCRIPTION
1Q1	UNIT DISCONNECT SWITCH
1T1	CONTROL TRANSFORMER
1X1	POWER DISTRIBUTION BLOCK
2M1	SUPPLY FAN MOTOR 1
2M2	SUPPLY FAN MOTOR 2
3S7	EL HEAT DISCONNECT SWITCH
3TB6	EL HEAT TERMINAL BLOCK
9B1	MOTOR OVERLOAD RELAY
9B2	MOTOR OVERLOAD RELAY
9F1	VFD FUSE
9F2	VFD FUSE
9F3	VFD FUSE
9F4	MOTOR FUSE
9F5	MOTOR FUSE
9F6	MOTOR FUSE
9F7	MOTOR FUSE
9F8	MOTOR FUSE
9F9	MOTOR FUSE
9T1	VFD

3TB6 EL HEAT TERMINAL BLOCK

NOTES:

1 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 OCCURED.

2 ALL FIELD WIRING MUST BE IN ACCORDANCE WITH THE NATIONAL ELECTRICAL CODE (NEC), STATE AND LOCAL REQUIREMENTS. OTHER COUNTRIES APPLICABLE NATIONAL AND/OR LOCAL REQUIREMENTS SHALL APPLY. FIELD CONDUCTORS SHALL HAVE INSULATION RATING NOT LESS THAN 600V COPPER CONDUCTORS ONLY.

3 THE MINIMUM CIRCUIT AMPACITY, THE MAXIMUM FUSE SIZE, AND DISCONNECT SIZE ARE CALCULATED BASED ON THE INVERTER INPUT LINE CURRENTS PER ARTICLE 430–2 OF THE NATIONAL ELECTRICAL CODE.

4 PROGRAM TERMINAL 18 AS RUN.

5 CONTROL TRANSFORMER SHOWN FOR 460V PRIMARY. FOR 200V OR 230V OR 575V REFER TO INSET A.

7 THE OVERLOAD RELAY TRIP SETTING MUST BE ADJUSTED TO CORRESPOND WITH THE MOTOR FULL LOAD CURRENT AS SHOWN ON THE MOTOR NAMEPLATE.

8 ATTACH GROUND OR EQUIPMENT GROUND.

9 FIELD POWER SUPPLY TO BE CONNECTED TO TERMINAL OR DISCONNECT SWITCH IN THE ELECTRIC HEATER CONTROL PANEL. REFER TO WIRING DIAGRAM IN ELECTRIC HEATER ASSEMBLY CONTROL PANEL FOR COMPLETE WIRING SCHEMTIC OF THE ELECTRIC HEATER CIRCUIT.

10 ELECTRIC HEAT SHOWN WITH TERMINAL BLOCK. REFER TO INSET "B" FOR ELECTRIC HEAT WITH DISCONNECT SWITCH.

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.

ATTENTION

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.

PRECAUCIÓN

¡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.

⚠ 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.

⚠ AVERTISSEMENT

TENSION DANGEREUSE!

COUPER TOUTES LES TENSIONS ET OUVRIR LES SECTIONNEURS À DISTANCE, PUIS SUIVRE LES PROCÉDURES DE VERROUILLAGE ET DES ÉTIQUETTES AVANT TOUTE INTERVENTION. VÉRIFIER QUE TOUS LES CONDENSATEURS DES MOTEURS SONT DÉCHARGÉS. DANS LE CAS D'UNITÉS COMPORTANT DES ENTRAÎNEMENTS À VITESSE VARIABLE, SE REPORTER AUX INSTRUCTIONS DE L'ENTRAÎNEMENT POUR DÉCHARGER LES CONDENSATEURS.

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

⚠ 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. ASEGÚRESE DE QUE TODOS LOS CAPACITORES DEL MOTOR HAYAN DESCARGADO EL VOLTAJE ALMACENADO. PARA LAS UNIDADES CON EJE DE DIRECCIÓN 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.