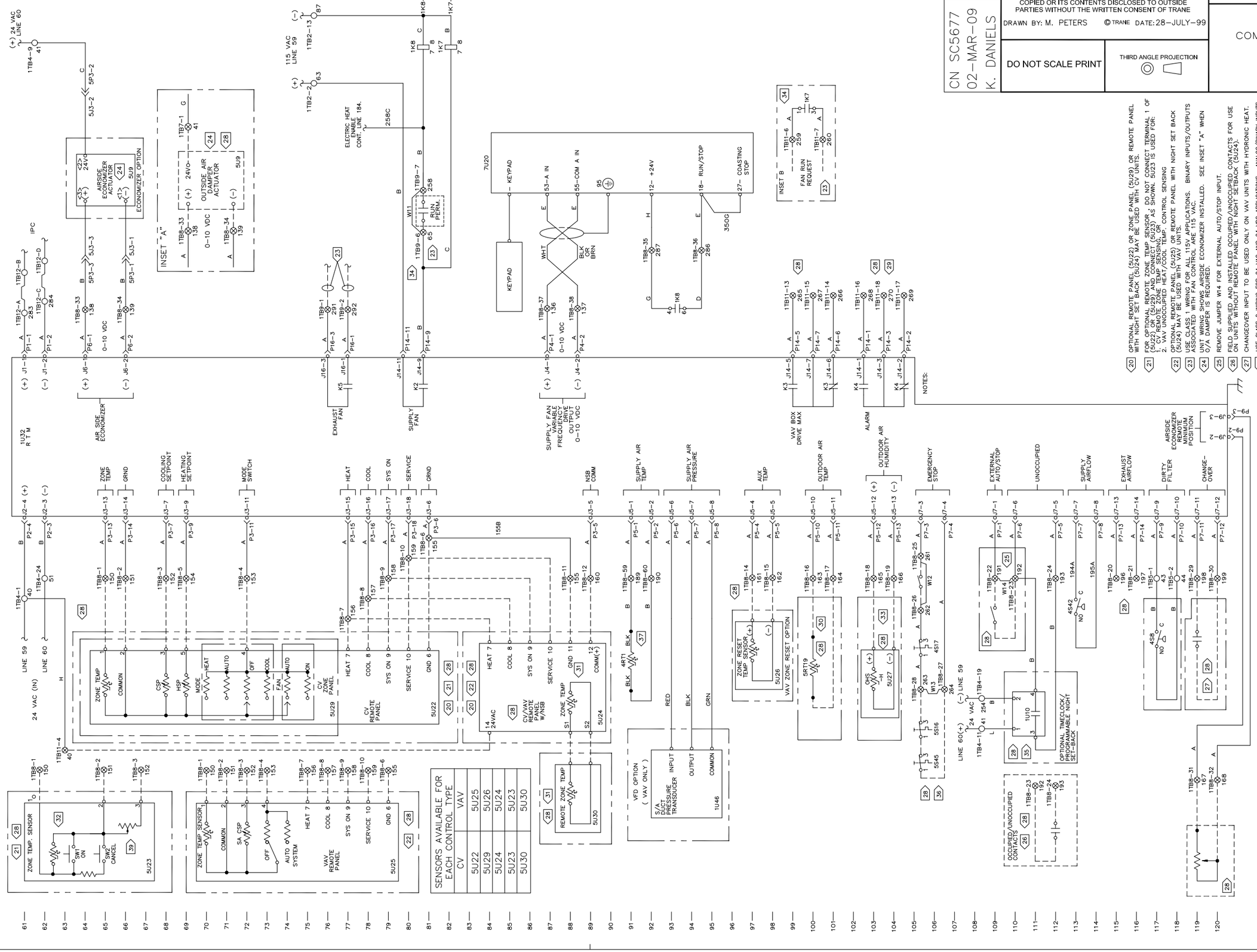

CN SC5677 02-MAR-09 K. DANIELS	G	

TRANE

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DRAWN BY: M. PETERS ©TRANE DATE: 28-JULY-99

DO NOT SCALE PRINT

THIRD ANGLE PROJECTION

2307-8406

SHEET 2 OF 5

REV G

SCHEMATIC DIAGRAM

COMMERCIAL SELF CONTAINED

W/ VFD
460V/60HZ/3PH
S*WF 85 TON

NOTES:

20. OPTIONAL REMOTE PANEL (5U22) OR ZONE PANEL (5U29) OR REMOTE PANEL WITH NIGHT SET BACK (5U24) MAY BE USED WITH CV UNITS.
21. FOR OPTIONAL REMOTE ZONE TEMP SENSOR, DO NOT CONNECT TERMINAL 1 OF (5U22) OR (5U29) AND CONNECT (5U23) AS SHOWN. 5U23 IS USED FOR: 1. CV REMOTE ZONE TEMP SENSING, OR 2. VAV UNOCCUPIED TIME CLOCK CONTROL SENSING
22. OPTIONAL REMOTE PANEL (5U25) OR REMOTE PANEL WITH NIGHT SET BACK (5U24) MAY BE USED WITH VAV UNITS.
23. USE CLASS 1 WIRING FOR ALL 115V APPLICATIONS. BINARY INPUTS/OUTPUTS ASSOCIATED WITH FAN CONTROL ARE 115 VAC.
24. UNIT WIRING SHOWS AIRSIDE ECONOMIZER INSTALLED. SEE INSET "A" WHEN O/A DAMPER IS REQUIRED.
25. REMOVE JUMPER W14 FOR EXTERNAL AUTO/STOP INPUT.
26. FIELD SUPPLIED AND INSTALLED OCCUPIED/UNOCCUPIED CONTACTS FOR USE ON UNITS WITHOUT REMOTE PANEL WITH NIGHT SETBACK (5U24).
27. CHANGEOVER INPUT TO BE USED ONLY ON VAV UNITS WITH HYDRONIC HEAT.
28. USE CLASS 2 WIRING FOR 24 VAC AND 24 VDC APPLICATIONS. ANALOG/BINARY INPUTS AND ANALOG OUTPUTS ARE 24 VDC. BINARY OUTPUTS ARE 24 VAC.
29. ALARM OUTPUT SWITCHES DURING ANY MANUAL RESET DIAGNOSTIC.
30. O/A TEMP SENSOR REQUIRED FOR AIRSIDE ECONOMIZER OPERATION, LOW AMBIENT LOCK-OUT, AND AIR-COOLED LOW PRESSURE CUT-OUT TIME DELAY.
31. WHEN 5U30 REMOTE ZONE TEMP SENSOR IS USED, ATTACH IT TO 5U24 TERMINALS S1 & S2.
32. OPTIONAL TIMED OVERRIDE INITIATE BUTTON.
33. O/A HUMIDITY SENSOR REQUIRED FOR AIRSIDE ECONOMIZER OPERATION.
34. REMOVE JUMPER W11, FOR RUN PERMISSION CONTROL. IF THIS CONTROL OPTION IS DESIRED, CUSTOMER CONNECTIONS MUST ALSO BE MADE FOR THE FAN RUN REQUEST CIRCUIT. SEE INSET B.
35. CONTACTS CONNECTED TO THE UNOCCUPIED INPUT ARE CUSTOMER SUPPLIED WHEN THE TIMECLOCK IS NOT FACTORY INSTALLED. UNIT WILL BE IN UNOCCUPIED MODE WHEN CONTACT CLOSED.
36. REMOVE JUMPER W12 WHEN EMERGENCY STOP INPUT IS DESIRED. REMOVE JUMPER W13 WHEN SUPPLY DUCT HIGH TEMP. T'STAT AND/OR PLENUM HIGH STATIC PRESSURE SWITCH OPTION IS DESIRED.
37. WHEN ELECTRIC HEAT IS INSTALLED, MOVE THE SUPPLY AIR TEMP. SENSOR DOWN STREAM OF THE ELECTRIC HEATERS.
39. THE ZONE TEMP. SENSOR MAY BE ORDERED 3 DIFFERENT WAYS: 1) TEMP. THERMISTOR ONLY 2) TEMP. THERMISTOR WITH OVERRIDE AND CANCEL BUTTONS 3) TEMP. THERMISTOR WITH OVERRIDE/CANCEL BUTTONS WITH VARIABLE SETPOINT POTENTIOMETER.

NOTICE

USE COPPER CONDUCTORS ONLY! UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS. FAILURE TO DO THE ABOVE COULD RESULT IN EQUIPMENT DAMAGE.

N'UTILISER QUE DES CONDUCTEURS EN CUIVRE! LES BORNES DE L'UNITE NE SONT PAS CONÇUES POUR ACCEPTER D'AUTRES TYPES DE CONDUCTEURS. FAIRE DEFAUT À LA PROCEDURE CI-DESSUS PEUT ENTRAINER DES DOMMAGES À L'EQUIPEMENT.

AVIS

!UTILICE ÚNICAMENTE CONDUCTORES DE COBRE! LAS TERMINALES DE LA UNIDAD NO ESTÁN DISEÑADAS PARA ACEPTAR OTROS TIPOS DE CONDUCTORES. NO SEGUIR LAS INSTRUCCIONES ANTERIORES PUEDE PROVOCAR DAÑOS EN EL EQUIPO.

⚠ WARNING

HAZARDOUS VOLTAGE!

DISCONNECT ALL ELECTRIC POWER AND FOLLOW LOCK OUT AND TAG PROCEDURES BEFORE SERVICING. INSURE THAT ALL MOTOR CAPACITORS HAVE BEEN DISCHARGED. STORED VOLTAGE MAY BE PRESENT WITH VARIABLE SPEED DRIVE. REFER TO DRIVE INSTRUCTIONS FOR CAPACITOR DISCHARGE.

FAILURE TO DO THE ABOVE COULD RESULT IN SERIOUS INJURY OR DEATH.

⚠ AVERTISSEMENT

TENSION DANGEREUSE!

COUPER TOUTES LES TENSIONS ET SUIVRE LES PROCÉDURES DE DÉRIVAGE, PUIS SUIVRE LES PROCÉDURES DE VERROUILLAGE ET DES ÉTIQUETTES AVANT TOUTE INTERVENTION. VÉRIFIER QUE TOUS LES CONDENSATEURS À MOTEUR SONT DÉCHARGÉS. DANS LE CAS D'UNITÉS À VITESSE VARIABLE, SE REPORTER AUX INSTRUCTIONS DU FABRICANT POUR DÉCHARGER LES CONDENSATEURS.

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

AVISO

!VOLTAJE PELIGROSO!

DESCONECTE TODA LA ENERGÍA ELÉCTRICA, SIGUA LOS PROCEDIMIENTOS DE CIERRE Y ETIQUETADO ANTES DE PROCEDER AL SERVICIO. ASEGÚRESE DE QUE TODOS LOS CONDENSADORES DE MOTOR HAYAN SIDO 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.