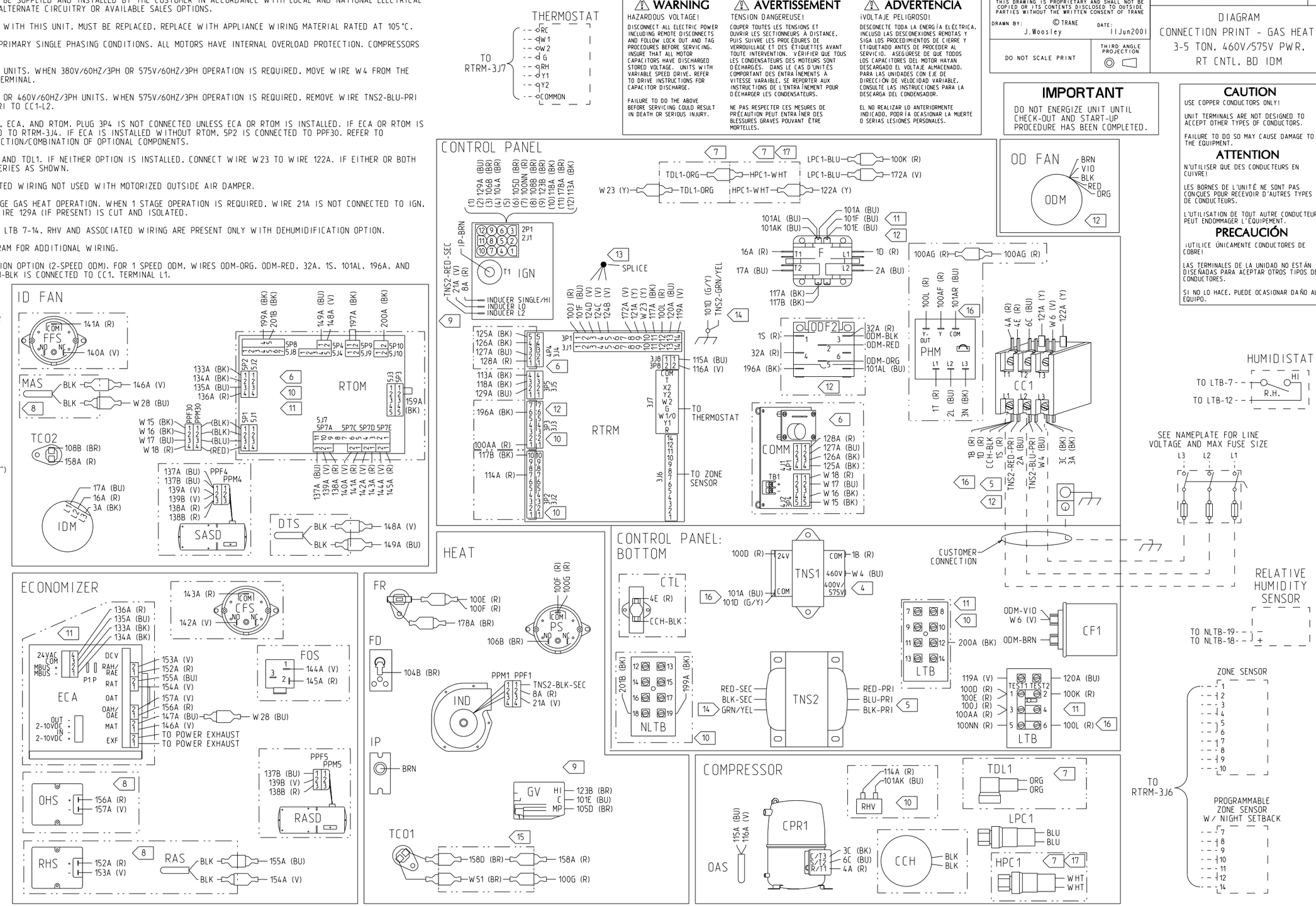
1. ALL WIRING AND DEVICES SHOWN DASHED TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER IN ACCORDANCE WITH LOCAL AND NATIONAL ELECTRICAL CODES. PHANTOM LINE ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS.
2. IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED WITH THIS UNIT, MUST BE REPLACED, REPLACE WITH APPLIANCE WIRING MATERIAL RATED AT 105°C.
3. THREE PHASE MOTORS ARE PROTECTED UNDER PRIMARY SINGLE PHASING CONDITIONS. ALL MOTORS HAVE INTERNAL OVERLOAD PROTECTION. COMPRESSORS HAVE INTERNAL THERMAL PROTECTION.
4. CONNECTIONS SHOWN ARE FOR 460V/60HZ/3PH UNITS. WHEN 380V/60HZ/3PH OR 575V/60HZ/3PH OPERATION IS REQUIRED, MOVE WIRE W4 FROM THE 460V TERMINAL ON TNS1 TO THE 400V/575V TERMINAL.
5. CONNECTIONS SHOWN ARE FOR 380V/60HZ/3PH OR 460V/60HZ/3PH UNITS. WHEN 575V/60HZ/3PH OPERATION IS REQUIRED, REMOVE WIRE TNS2-BLU-PRI FROM CC1-L2 AND CONNECT WIRE TNS2-BLK-PRI TO CC1-L2.
6. CONNECTIONS SHOWN INCLUDE OPTIONAL COMM, ECA, AND RTOM. PLUG 3P4 IS NOT CONNECTED UNLESS ECA OR RTOM IS INSTALLED. IF ECA OR RTOM IS INSTALLED WITHOUT COMM, 3P4 IS CONNECTED TO RTRM-3J4. IF ECA IS INSTALLED WITHOUT RTOM, 5P2 IS CONNECTED TO PPF30. REFER TO ACCOMPANYING LITERATURE FOR PROPER CONNECTION/COMBINATION OF OPTIONAL COMPONENTS.
7. CONNECTIONS SHOWN INCLUDE OPTIONAL HPC1 AND TDL1. IF NEITHER OPTION IS INSTALLED, CONNECT WIRE W23 TO WIRE 122A. IF EITHER OR BOTH OPTIONS ARE INSTALLED, CONNECT THEM IN SERIES AS SHOWN.
8. OPTIONAL MAS, RAS, RHS, OHS, AND ASSOCIATED WIRING NOT USED WITH MOTORIZED OUTSIDE AIR DAMPER.
9. (FUTURE) CONNECTIONS SHOWN ARE FOR 2-STAGE GAS HEAT OPERATION. WHEN 1 STAGE OPERATION IS REQUIRED, WIRE 21A IS NOT CONNECTED TO IGN. WIRE 123B IS NOT CONNECTED TO GV, AND WIRE 129A (IF PRESENT) IS CUT AND ISOLATED.
10. COMPONENTS 3P2, 3P3, 5P8, 5P9, 5P10, NLTB, LTB 7-14, RHV AND ASSOCIATED WIRING ARE PRESENT ONLY WITH DEHUMIDIFICATION OPTION.
11. SEE CO2 & VENT. OVERRIDE ACCESSORY DIAGRAM FOR ADDITIONAL WIRING.
12. CONNECTIONS SHOWN ARE FOR DEHUMIDIFICATION OPTION (2-SPEED ODM). FOR 1 SPEED ODM, WIRES ODM-ORG, ODM-RED, 32A, 1S, 101AL, 196A, AND RELAY ODF2 ARE NOT PRESENT AND WIRE ODM-BLK IS CONNECTED TO CC1, TERMINAL L1.
13. CUT AND ISOLATE WIRE 124B IF DEHUMIDIFICATION OPTION IS INSTALLED.
14. WIRE TNS2-GRN/YEL IS NOT PRESENT IF TNS2 IS AN AUTOTRANSFORMER.
15. WHEN WIRES 158D AND W51 ARE NOT PRESENT, CONNECT WIRES 158A AND 100G DIRECTLY TO TC01.
16. IF OPTIONAL PHASE MONITOR (PHM) IS INSTALLED, WIRE 100L IS MOVED FROM LTB-6 TO Y-OUT. 100AF IS CONNECTED TO LTB-6. 101AR IS CONNECTED TO TNS1 SEC. COM. CONNECT WIRE 1T TO CC1-L1, 2L TO CC1-L2, AND 3N TO CC1-L3. CONNECT ENDS OF WIRE 100AG TOGETHER (NOT USED).
17. HPC CONNECTIONS SHOWN ARE FOR 410A REFRIGERANT. FOR R22 REFRIGERANT (DIGIT 7 IN MODEL NUMBER EQUALS "A" OR "B") HPC01 WILL HAVE BLACK LEADS AND HPC02 WILL HAVE RED LEADS



⚠ 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.

TRANE

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DRAWN BY: J.Woosley DATE: 11Jun2001

DO NOT SCALE PRINT

THIRD ANGLE PROJECTION

4366-1516 REV **V**

DIAGRAM
CONNECTION PRINT - GAS HEAT, 3-5 TON, 460V/575V PWR, RT CNTL, BD IDM

IMPORTANT

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

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.