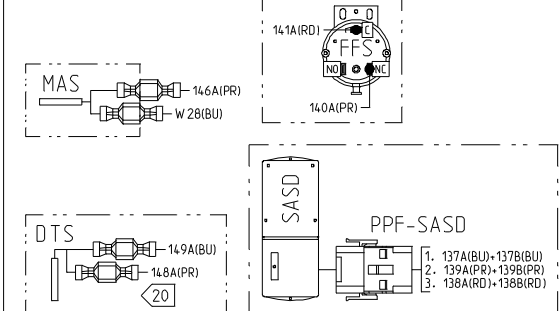
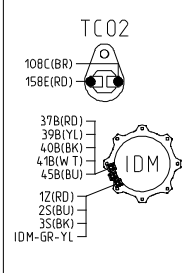


1. ALL WIRING AND DEVICES SHOWN DASHED TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER IN ACCORDANCE WITH LOCAL AND NATIONAL ELECTRICAL CODES. PHANTOM LINE ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS.
2. IF ANY OF THE ORIGINAL WIRES, AS SUPPLIED WITH THIS UNIT, MUST BE REPLACED, REPLACE 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 OPERATION. WHEN 208V/60HZ/3PH OPERATION IS REQUIRED, CONNECT WIRE 1E TO IGN-INDUCER-L2. ALSO, USE PLUG PPF-IND1 IN PLACE OF PPF-IND2, WIRE 4BA, PLUG PPF-IND2, TNS2, AND TNS2'S WIRES ARE NOT PRESENT ON A 208-230V/60HZ/3PH UNIT.
- 5 CONNECTIONS SHOWN ARE FOR 460V/60HZ/3PH OPERATION. WHEN 230V/60HZ/3PH OPERATION IS REQUIRED, MOVE WIRE W4 FROM TNS1-208V TO TNS1-230V. ALSO, CONNECT WIRE 1E TO IGN-INDUCER-L2. ALSO, USE PLUG PPF-IND1 IN PLACE OF PPF-IND2, WIRE 4BA, PLUG PPF-IND2, TNS2, AND TNS2'S WIRES ARE NOT PRESENT ON A 208-203V/60HZ/3PH UNIT.
- 6 CONNECTIONS SHOWN ARE FOR DUAL-STAGE GAS HEAT OPERATION. WHEN SINGLE-STAGE GAS HEAT OPERATION IS REQUIRED, WIRE 21A IS NOT CONNECTED TO IGN. ALSO, REMOVE WIRE 123E FROM GV. ALSO, CUT AND ISOLATE WIRE 129A. WIRE IND-PUR (NOT SHOWN) IS NOT PRESENT ON A SINGLE-SATEGE GAS HEAT UNIT.
- 7 IDM RPM INDICATION 0-7.5VDC. SEE POWER DIAGRAM FOR RPM TABLE.
- 8 CCH2 LEADS ARE BLACK WITH BROWN TAPE WRAPPED AROUND THE END OF EACH LEAD.
- 9 CONNECTIONS SHOWN INCLUDE OPTIONAL COMM. IF COMM IS NOT INSTALLED, CONNECT PLUG 3P4 TO RTRM-3J4. REFER TO ACCOMPANYING LITERATURE FOR PROPER CONNECTION/COMBINATION OF OPTIONAL COMPONENTS.
- 10 TO DISABLE THE COMPRESSORS, REMOVE THE JUMPERS ON LTB1 BETWEEN PINS 1 & 2 AND PINS 3 & 4 AND CONNECT FIELD SUPPLIED CONTROL DEVICE.
- 11 TO SHUT DOWN THE UNIT FOR EMERGENCY STOP, REMOVE THE JUMPER ON LTB1 BETWEEN PINS 5 & 6 AND CONNECT FIELD SUPPLIED CONTROL DEVICE OR INSTALL OPTIONAL FIRESTAT.
- 12 INSTALL OPTIONAL REMOTE SENSOR (NOT SHOWN) TO PINS S1 AND S2 (NOT SHOWN) WHEN REQUIRED. SEE PROGRAMMABLE ZONE SENSOR/REMOTE PANEL WITH NIGHT SETBACK LITERATURE FOR CORRECT SETTINGS.
- 13 TO ENABEL SUPPLY AIR TEMPERING, REMOVE PLUG SP3.
- 14 REQUIRED FOR OPTIONAL REFERENCE ENTHALPY CONTROL.
- 15 REQUIRED FOR OPTIONAL COMPARATIVE ENTHALPY CONTROL.
- 16 REQUIRED FOR OPTIONAL DEHUMIDIFICATION. FOR ADDITIONAL WIRING, SEE CO2 SENSOR & VENTILATION OVERRIDE ACCESSORY DIAGRAM.
- 17 IF DEHUMIDIFICATION OPTION IS INSTALLED, CUT AND ISOLATE WIRE 124G.
- 18 FOR STANDARD ID FAN OPERATION ENSURE RTRM 3J9, RTOM 5J12, AND RTOM 5J8 PINS 6-7 ARE OPEN (NO CONNECTIONS).
- 19 FOR OPTIONAL MULTI-SPEED ID FAN, CONNECT RTRM 3J9 WITH 3P9, RTOM 5J8 PINS 6-7 WITH SP8B1.
- 20 FOR OPTIONAL SZVAV, INSTALL DACR AND DTS, CONNECT RTRM 3J9 WITH 3P9, RTOM 5J8 PINS 6-7 WITH SP8B2, RTOM 5J12 WITH SP12, AND RTOM 5J4 PINS 4-5 WITH SP4. DISCHARGE AIR COOL SETPOINT MEASURED ACROSS TP-GROUND, SEE POWER DIAGRAM FOR TABLE.
- 21 FUTURE CHANGES - NOT USED.
- 22 PLUG PPM-RT IS NOT CONNECTED TO ANYTHING. IT IS ONLY USED FOR FACTORY RUNTEST HOOKUP.

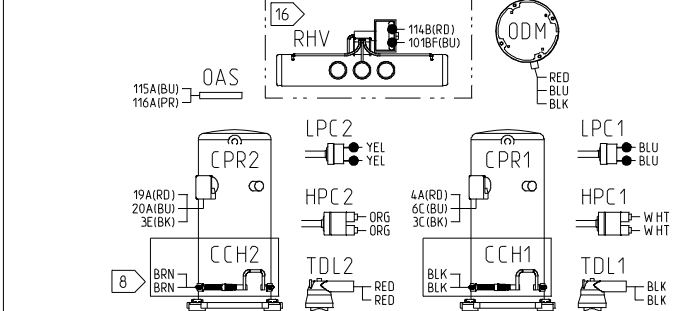
SUPPLY AIR SECTION



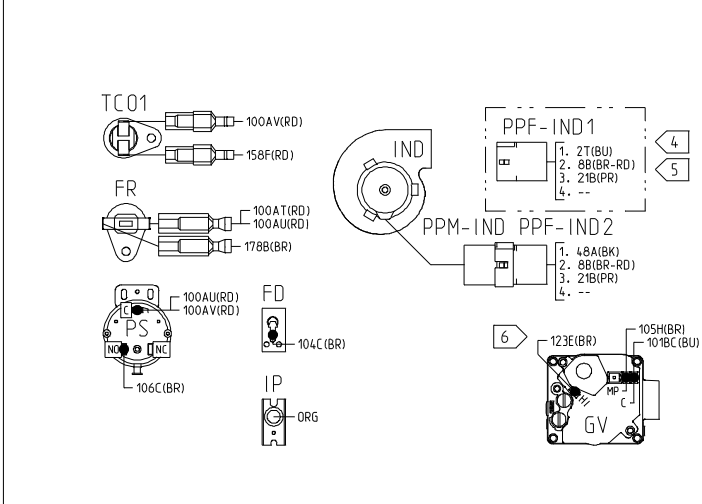
ID FAN COMPARTMENT



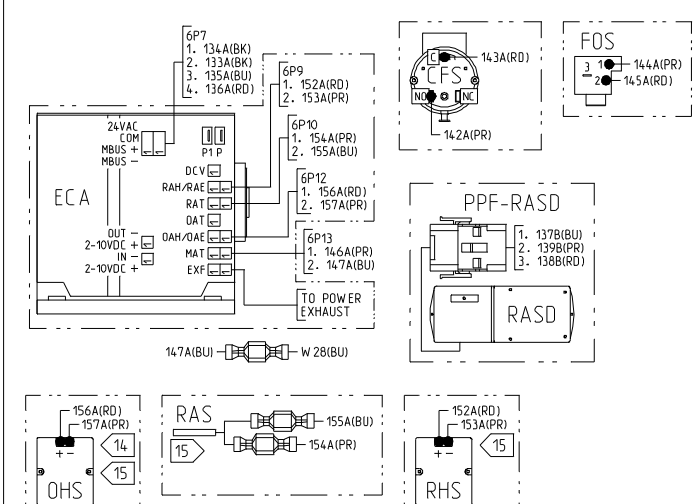
OUTDOOR SECTION



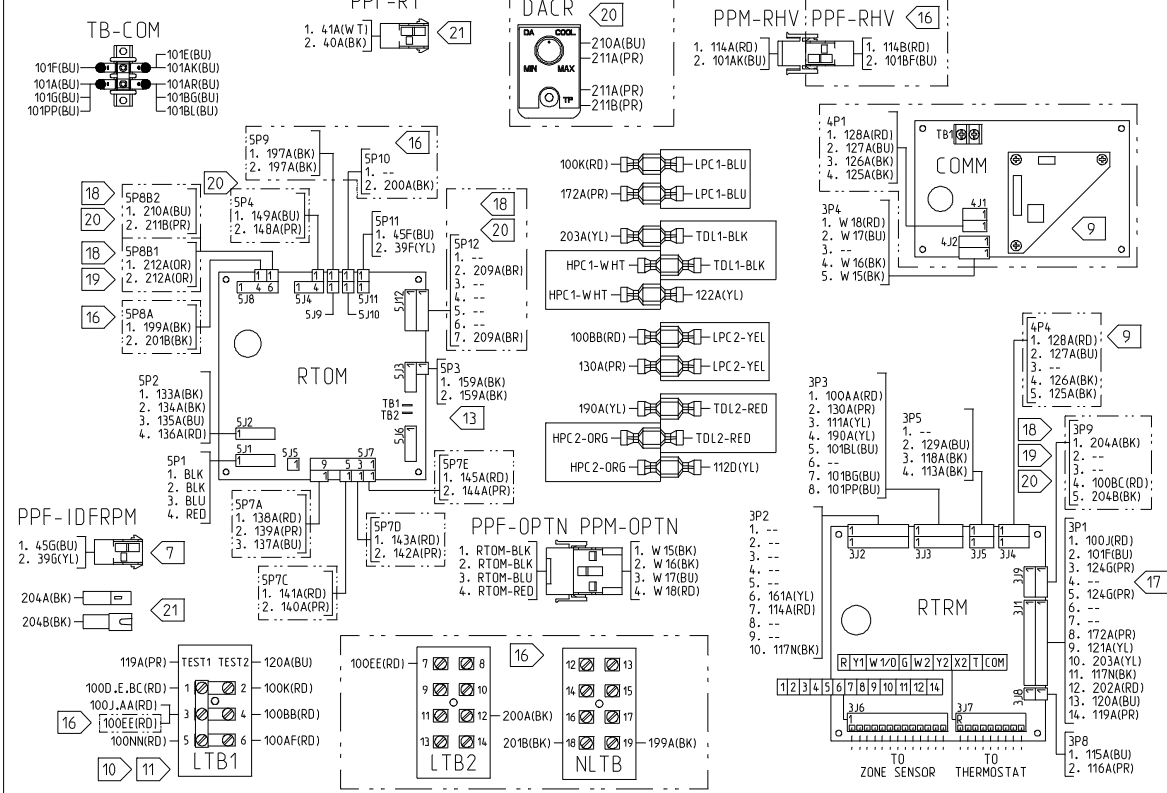
HEATER SECTION



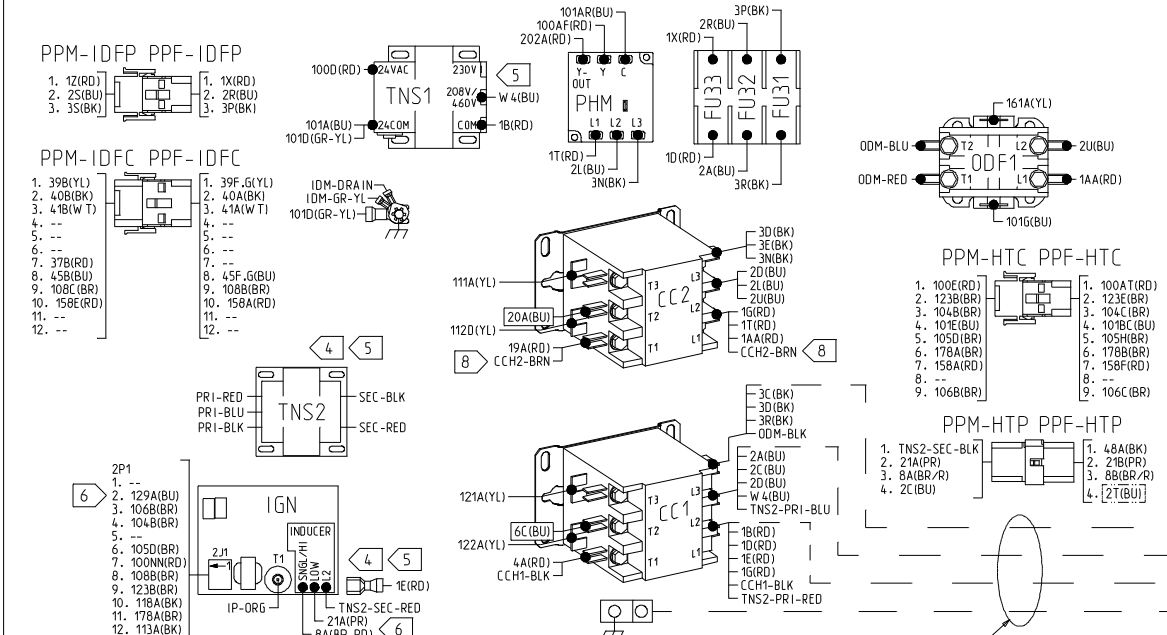
RETURN AIR SECTION



CONTROL BOX - LOW VOLTAGE PPF-RT



CONTROL BOX - HIGH VOLTAGE



TRANE

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DRAWN BY: J. Woosley © TRANE DATE: 03-Dec-2011

DO NOT SCALE PRINT THIRD ANGLE PROJECTION

4366-7449

REV A

DIAGRAM
CONNECTION PRINT
YHC(092-120)E(3.4)
RELIATEL CONTROLS

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'EQUIPEMENT.

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.

