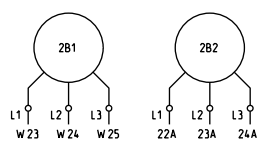
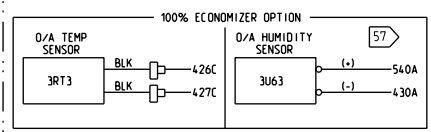


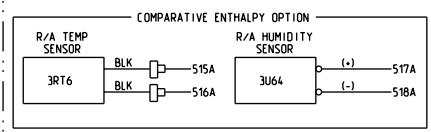
INSET "3A" - COND FAN MOTORS



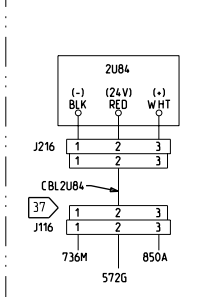
INSET "3K" - OUTDOOR AIR TEMP/HUMIDITY SENSORS



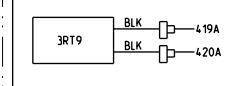
INSET "3L" - RETURN AIR TEMP/HUMIDITY SENSORS



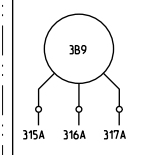
INSET "3AB" - OPTIONAL LOW AMBIENT DAMPER ACTUATOR



INSET "3M" - SUPPLY AIR TEMP SENSOR



INSET "3E" - SUPPLY AIR FAN MOTOR



10 X 15 METAL PLATE

TRANE  
THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE CONSENT OF TRANE.  
DRAWN BY: B. SMALLING  
REPLACES:  
CAD SYSTEM USED: Pro/DETAIL

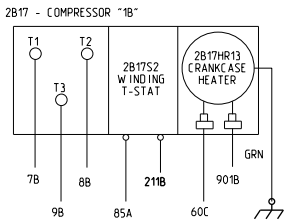
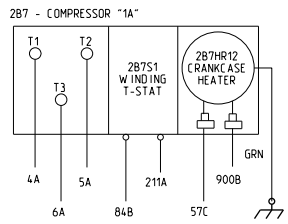
FILE NUMBER: 2309-3093  
DRAWING NUMBER: 2309-3046  
SHEET: 3 OF 3  
REV: C  
ROOFTOP PACKAGED AIR CONDITIONER  
CONNECTION WIRING DIAGRAM  
RACEWAY WIRE DEVICES - AREAS 2 - 3 - 4  
20 - 30 TON S.H.F  
W/ SUPPLY & EXH/RTN FAN VARIABLE FREQUENCY DRIVES

- NOTES:
- 32 2B3 AND ASSOCIATED WIRING USED ON 25 & 30 TON UNIT ONLY.
  - 37 PLUG(S) LOCATED IN MAIN CONTROL PANEL.
  - 52 2S4 IS A LOW PRESSURE CUTOFF SWITCHES USED FOR COMPRESSOR PROTECTION (7 PSIG). CAUTION !! DO NOT JUMPER ACROSS SWITCH UNDER ANY CIRCUMSTANCE.
  - 55 WIRES REQUIRED ONLY FOR V.F.D. WITH BYPASS OPTION.
  - 56 WIRES 213B & 37AD REQUIRED ONLY ON UNITS WITH GAS OR ELECTRIC HEAT.
  - 57 3U63 AND ASSOCIATED WIRING USED ON REFERENCE ENTHALPY AND COMPARATIVE ENTHALPY OPTIONS.
  - 58 SEE APPLICABLE VARIABLE FREQUENCY DRIVE DIAGRAM FOR BALANCE OF CIRCUIT.
  - 59 WIRES 582A & 736G ARE FOR RETURN FAN OPTION ONLY. WIRES 559A & 474A ARE FOR EXHAUST FAN OPTION ONLY

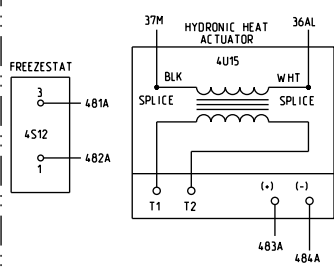
AREA	LOCATION
1	INSIDE UNIT CONTROL BOX
2	CONDENSER SECTION
3	AIR HANDLER SECTION
4	HEATING SECTION
5	EXTERNAL FIELD MOUNTED DEVICE

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

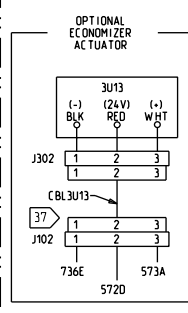
INSET "3B" - COMPRESSORS



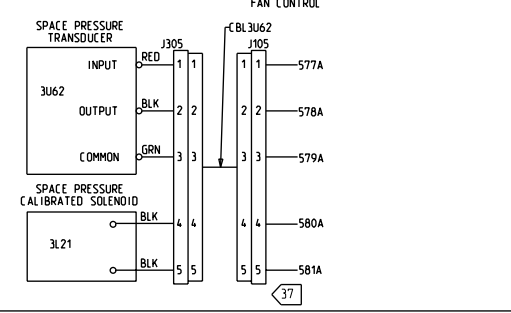
INSET "3V" - OPTIONAL STEAM OR HOT WATER HEAT



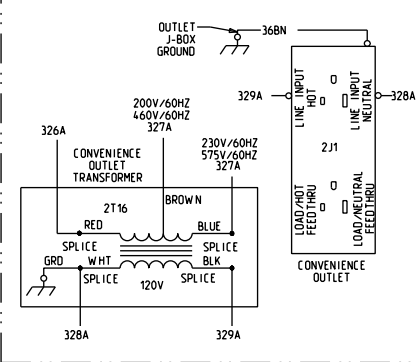
INSET "3J" - OPTIONAL ECONOMIZER ACTUATOR



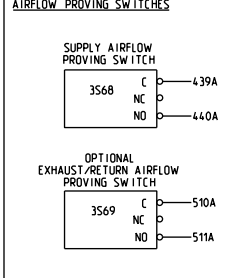
OPTIONAL EXHAUST FAN CONTROL



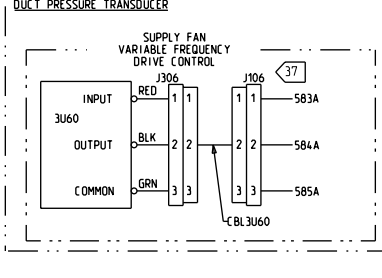
INSET "3Y" - OPTIONAL CONVENIENCE OUTLET



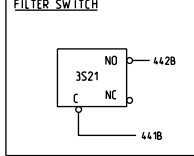
INSET "3R" - SUPPLY & EXHAUST/RETURN AIRFLOW PROVING SWITCHES



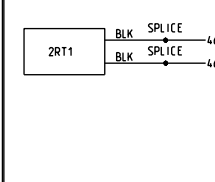
INSET "3T" - SUPPLY AIR DUCTY PRESSURE TRANSDUCER



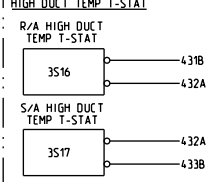
INSET "30" - FILTER SWITCH



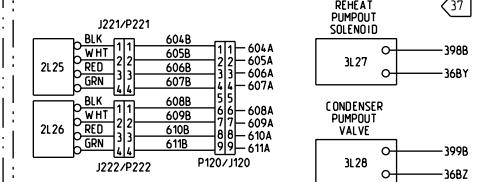
INSET "3C" - SAT COND TEMP SENSOR



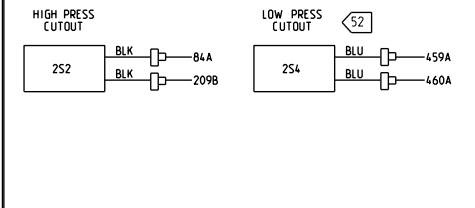
INSET "3P" - OPTIONAL HIGH DUCT TEMP T-STAT



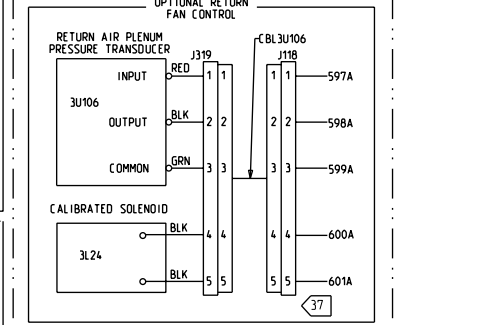
INSET "3D" - HOT GAS REHEAT



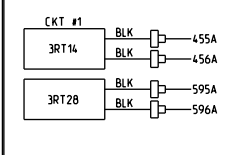
INSET "30" - HIGH AND LOW PRESSURE CUTOFFS



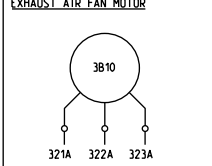
OPTIONAL RETURN FAN CONTROL



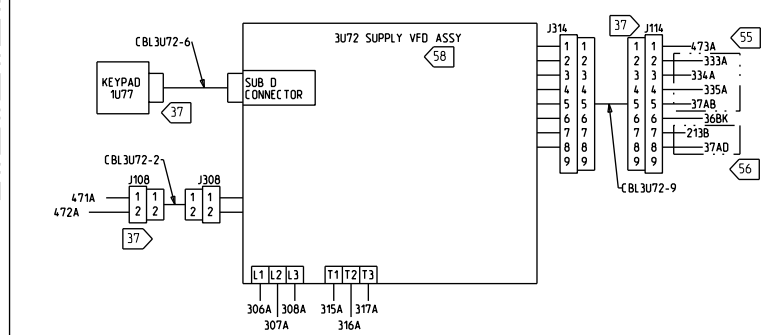
INSET "3N" - EVAPORATOR TEMP SENSORS



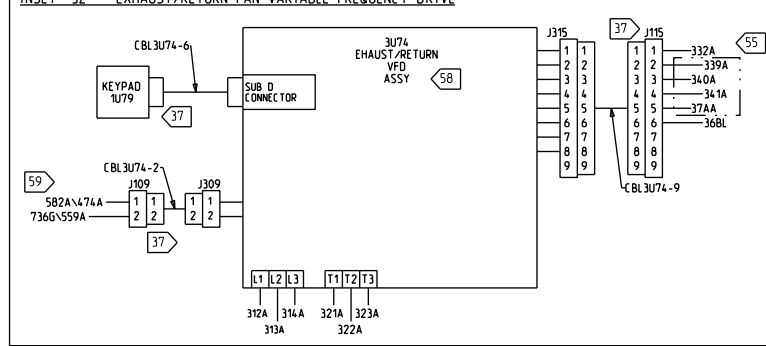
INSET "3G" - EXHAUST AIR FAN MOTOR



INSET "3AA" - SUPPLY FAN VARIABLE FREQUENCY DRIVE



INSET "3Z" - EXHAUST/RETURN FAN VARIABLE FREQUENCY DRIVE



**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 HASARDEUX!  
DECONNECTEZ TOUTES LES SOURCES ELECTRIQUES INCLUANT LES DISJONCTEURS SITUES A DISTANCE AVANT D'EFFECTUER L'ENTRETIEN.  
FAUTE DE DECONNECTER LA SOURCE ELECTRIQUE AVANT D'EFFECTUER L'ENTRETIEN PEUT ENTRAÎNER DES BLESSURES CORPORELLES SEVERES 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.