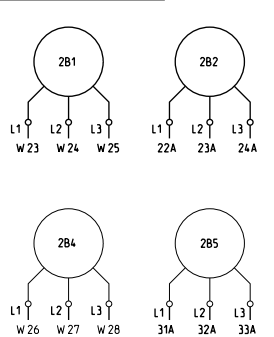
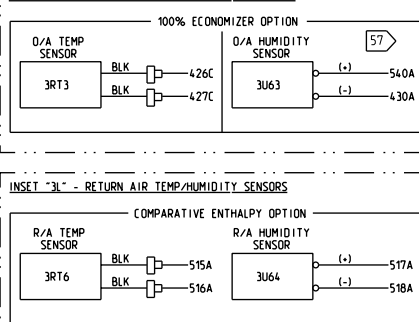


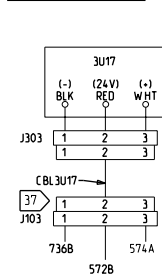
INSET "3A"- COND FAN MOTORS



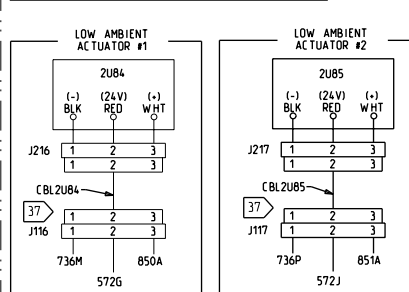
INSET "3K"- OUTDOOR AIR TEMP/HUMIDITY SENSORS



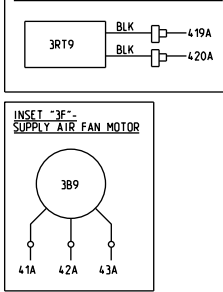
INSET "3S"- 1GV OPTION



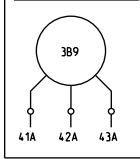
INSET "3AB"- OPTIONAL LOW AMBIENT DAMPER ACTUATOR



INSET "3M"- SUPPLY AIR TEMP SENSOR



INSET "3F"- 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

TRANE DATE: 07/15/2001  
REVISION DATE: 30-Apr-08  
SIMILAR TO: 2307-4632

FILE NUMBER: 2309-3093  
DRAWING NUMBER: 2309-3055  
SHEET: 3 OF 3  
REV: C

ROOFTOP PACKAGED AIR CONDITIONER  
CONNECTION WIRING DIAGRAM  
RACEWAY WIRE DEVICES - AREAS 2 - 3 - 4  
40 - 60 TON S.H.F  
W / EXH/RTN FAN VARIABLE FREQUENCY DRIVE

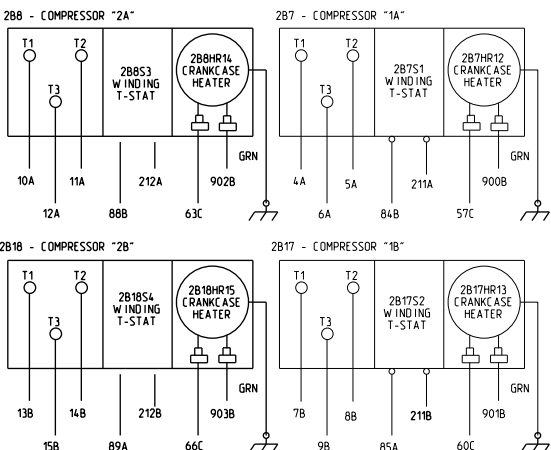
NOTES:

- 32 2B3 AND ASSOCIATED WIRING USED ON 50 THRU 60 TON UNITS ONLY.
- 33 2B6 AND ASSOCIATED WIRING NOT USED ON 40 TON UNITS.
- 37 PLUG(S) LOCATED IN MAIN CONTROL PANEL.
- 52 25A & 25S ARE LOW PRESSURE CUTOUT 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.
- 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

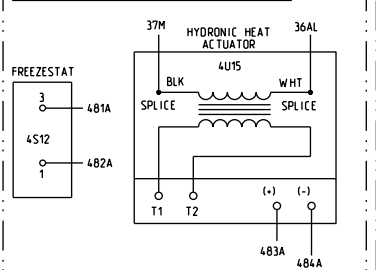
| AREA | LOCATION                      |
|------|-------------------------------|
| 1    | INSIDE UNIT CONTROL BOX       |
| 2    | CONDENSER SECTION             |
| 3    | AIR HANDLER SECTION           |
| 4    | HEATING SECTION               |
| 5    | EXTERNAL FIELD MOUNTED DEVICE |

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

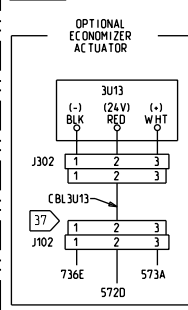
INSET "3B"- COMPRESSORS



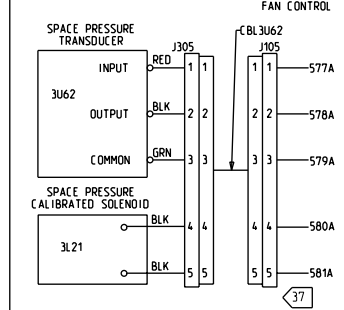
INSET "3V"- OPTIONAL STEAM OR HOT WATER HEAT



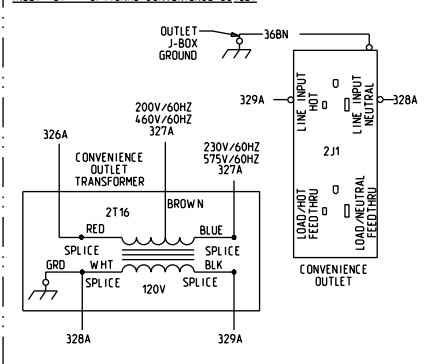
INSET "3I"-



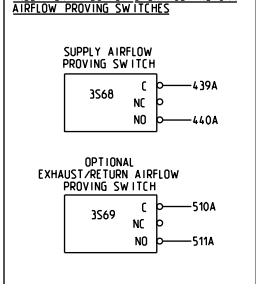
OPTIONAL EXHAUST FAN CONTROL



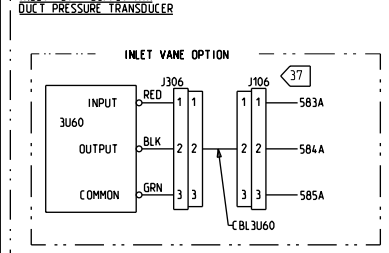
INSET "3Y"- OPTIONAL CONVENIENCE OUTLET



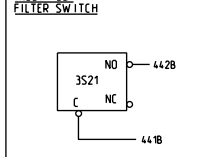
INSET "3R"- SUPPLY &amp; EXHAUST/RETURN AIRFLOW PROVING SWITCHES



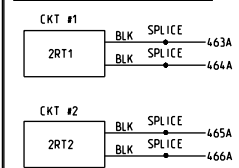
INSET "3T"- SUPPLY AIR DUCT PRESSURE TRANSDUCER



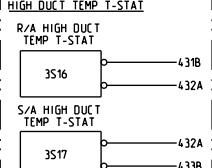
INSET "3Q"- FILTER SWITCH



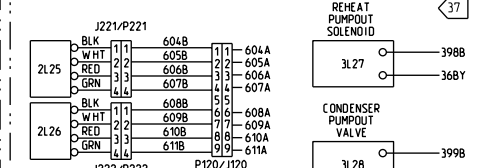
INSET "3C"- SAT COND TEMP SENSOR



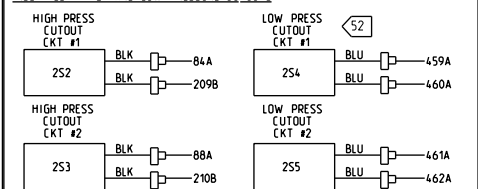
INSET "3P"- OPTIONAL HIGH DUCT TEMP T-STAT



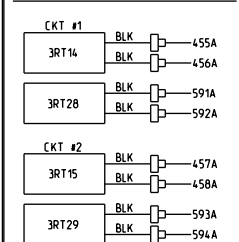
INSET "3D"- HOT GAS REHEAT



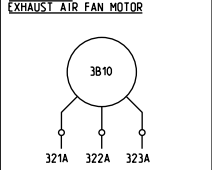
INSET "3O"- HIGH AND LOW PRESSURE CUTOUTS



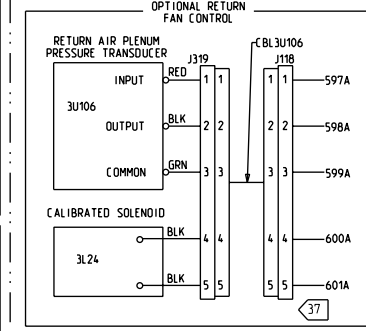
INSET "3N"- EVAPORATOR TEMP SENSORS



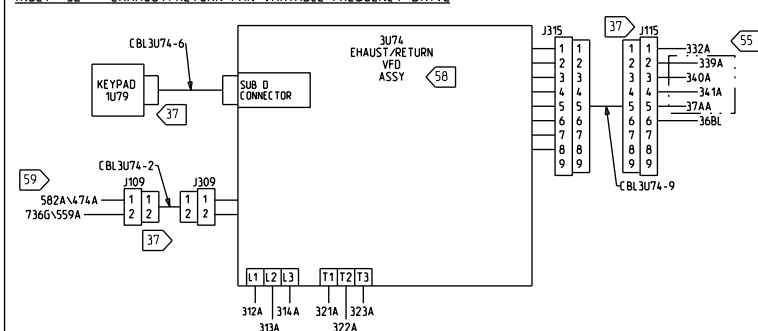
INSET "3G"- EXHAUST AIR FAN MOTOR



OPTIONAL RETURN FAN CONTROL



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.