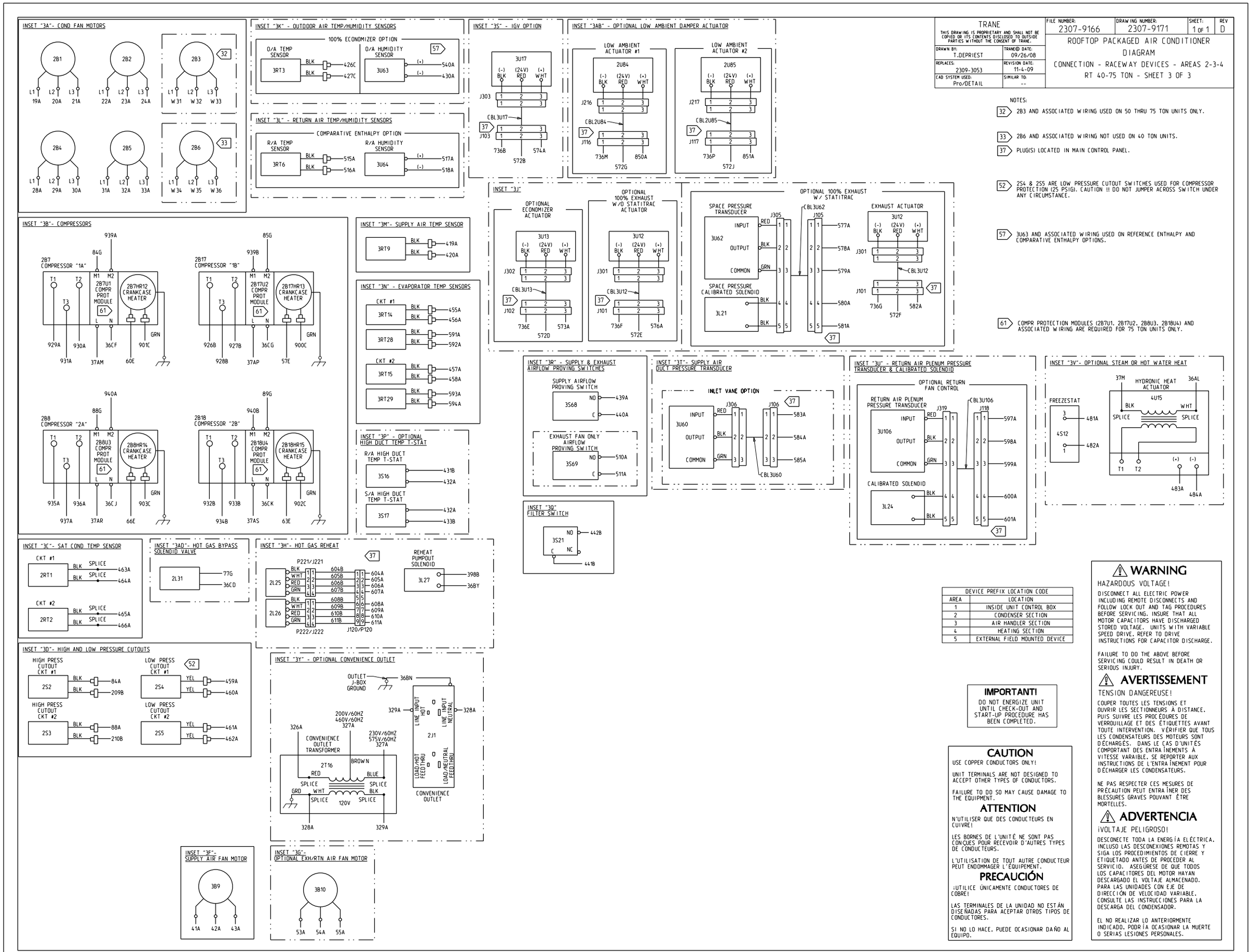
INSET "3A"- COND FAN MOTORS
2B1
2B2
2B3
2B4
2B5
2B6
INSET "3K" - OUTDOOR AIR TEMP/HUMIDITY SENSORS
100% ECONOMIZER OPTION
O/A TEMP SENSOR
3RT3
O/A HUMIDITY SENSOR
3U63
INSET "3L" - RETURN AIR TEMP/HUMIDITY SENSORS
COMPARATIVE ENTHALPY OPTION
R/A TEMP SENSOR
3RT6
R/A HUMIDITY SENSOR
3U64
INSET "3S" - IGV OPTION
3U17
INSET "3AB" - OPTIONAL LOW AMBIENT DAMPER ACTUATOR
LOW AMBIENT ACTUATOR #1
2U84
LOW AMBIENT ACTUATOR #2
2U85
INSET "3B"- COMPRESSORS
2B7 COMPRESSOR "1A"
2B7U1 COMPR PROT MODULE
2B7HR12 CRANKCASE HEATER
2B17 COMPRESSOR "1B"
2B17U2 COMPR PROT MODULE
2B17HR13 CRANKCASE HEATER
2B8 COMPRESSOR "2A"
2B8U3 COMPR PROT MODULE
2B8HR14 CRANKCASE HEATER
2B18 COMPRESSOR "2B"
2B18U4 COMPR PROT MODULE
2B18HR15 CRANKCASE HEATER
INSET "3M"- SUPPLY AIR TEMP SENSOR
3RT9
INSET "3N" - EVAPORATOR TEMP SENSORS
CKT #1
3RT14
3RT28
CKT #2
3RT15
3RT29
INSET "3P" - OPTIONAL HIGH DUCT TEMP T-STAT
R/A HIGH DUCT TEMP T-STAT
3S16
S/A HIGH DUCT TEMP T-STAT
3S17
INSET "3J"
OPTIONAL ECONOMIZER ACTUATOR
3U13
OPTIONAL 100% EXHAUST W/O STATITRAC ACTUATOR
3U12
OPTIONAL 100% EXHAUST W/ STATITRAC
SPACE PRESSURE TRANSDUCER
3U62
SPACE PRESSURE CALIBRATED SOLENOID
3L21
EXHAUST ACTUATOR
3U12
INSET "3R" - SUPPLY & EXHAUST AIRFLOW PROVING SWITCHES
SUPPLY AIRFLOW PROVING SWITCH
3S68
EXHAUST FAN ONLY AIRFLOW PROVING SWITCH
3S69
INSET "3T"- SUPPLY AIR DUCT PRESSURE TRANSDUCER
INLET VANE OPTION
3U60
INSET "3U" - RETURN AIR PLENUM PRESSURE TRANSDUCER & CALIBRATED SOLENOID
OPTIONAL RETURN FAN CONTROL
RETURN AIR PLENUM PRESSURE TRANSDUCER
3U106
CALIBRATED SOLENOID
3L24
INSET "3V"- OPTIONAL STEAM OR HOT WATER HEAT
FREEZESTAT
4S12
HYDRONIC HEAT ACTUATOR
4U15
INSET "3Q" FILTER SWITCH
3S21
INSET "3C"- SAT COND TEMP SENSOR
CKT #1
2RT1
CKT #2
2RT2
INSET "3AD"- HOT GAS BYPASS SOLENOID VALVE
2L31
INSET "3H"- HOT GAS REHEAT
P221/J221
2L25
2L26
P222/J222
J120/P120
REHEAT PUMPOUT SOLENOID
3L27
INSET "3D"- HIGH AND LOW PRESSURE CUTOUTS
HIGH PRESS CUTOUT CKT #1
2S2
LOW PRESS CUTOUT CKT #1
2S4
HIGH PRESS CUTOUT CKT #2
2S3
LOW PRESS CUTOUT CKT #2
2S5
INSET "3Y" - OPTIONAL CONVENIENCE OUTLET
OUTLET J-BOX GROUND
200V/60HZ 460V/60HZ 327A
230V/60HZ 575V/60HZ 327A
CONVENIENCE OUTLET TRANSFORMER
2T16
120V
LINE INPUT HOT
LINE INPUT NEUTRAL
2J1
LOAD/HOT FEED THRU
LOAD/NEUTRAL FEED THRU
CONVENIENCE OUTLET
INSET "3F"- SUPPLY AIR FAN MOTOR
3B9
INSET "3G"- OPTIONAL EXH/RTN AIR FAN MOTOR
3B10
TRANE
THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE CONSENT OF TRANE.
FILE NUMBER: 2307-9166
DRAWING NUMBER: 2307-9171
SHEET: 1 OF 1
REV D
DRAWN BY: T.DEPRIEST
TRANE® DATE: 09/26/08
REPLACES: 2309-3053
REVISION DATE: 11-4-09
CAD SYSTEM USED: Pro/DETAIL
SIMILAR TO: --
ROOFTOP PACKAGED AIR CONDITIONER DIAGRAM
CONNECTION - RACEWAY DEVICES - AREAS 2-3-4
RT 40-75 TON - SHEET 3 OF 3
NOTES:
32 2B3 AND ASSOCIATED WIRING USED ON 50 THRU 75 TON UNITS ONLY.
33 2B6 AND ASSOCIATED WIRING NOT USED ON 40 TON UNITS.
37 PLUG(S) LOCATED IN MAIN CONTROL PANEL.
52 2S4 & 2S5 ARE LOW PRESSURE CUTOUT SWITCHES USED FOR COMPRESSOR PROTECTION (25 PSIG). CAUTION !! DO NOT JUMPER ACROSS SWITCH UNDER ANY CIRCUMSTANCE.
57 3U63 AND ASSOCIATED WIRING USED ON REFERENCE ENTHALPY AND COMPARATIVE ENTHALPY OPTIONS.
61 COMPR PROTECTION MODULES (2B7U1, 2B17U2, 2B8U3, 2B18U4) AND ASSOCIATED WIRING ARE REQUIRED FOR 75 TON UNITS ONLY.
DEVICE PREFIX LOCATION CODE
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.
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.
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.