NUMBER: 12134170 ING NUMBER: 12134172 TRANE THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE CONSENT OF TRANE. WIRE COLOR DESIGNATION 1 ALL WIRING AND DEVICES SHOWN DASHED TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER IN ACCORDANCE WITH LOCAL AND NATIONAL ELECTRICAL CODES IMPORTANT! FOUNDATION DO NOT ENERGIZE UNIT UNTIL CHECK-OUT AND START-UP PROCEDURE HAS WN BY: YASHRAJ NM DIAGRAM 2 IF ANY OF THE ORIGINAL WIRE, AS SUPPLIED WITH THIS UNIT, MUST BE REPLACED, REPLACE IT WITH APPLIANCE WIRING MATERIAL RATED AT 105°C AND 600V. CONNECTIONS - RACEWAY ACES: 12132218-C SYSTEM USED: CREO BEEN COMPLETED 3 THREE PHASE MOTORS ARE PROTECTED UNDER PRIMARY SINGLE PHASING CONDITIONS. ALL MOTORS HAVE INTERNAL OVERLOAD PROTECTION. COMPRESSORS HAVE INTERNAL THERMAL PROTECTION. 208V/230V. 1 STAGE GAS HEAT 3T-5T 12> REQUIRED DIP SWITCH SETTING FOR ULTRA LOW LEAK OAE. & RAE. SIMILAR TO: 13> REQUIRED FOR OPTIONAL DRY BULB CONTROL. REQUIRED FOR OPTIONAL REFERENCE ENTHALPY CONTROL. (14) CONNECTIONS ARE DONE AT THE REAR SIDE OF RTEM-EM. CAUTION **ATTENTION PRECAUCIÓN** 5 REQUIRED FOR OPTIONAL COMPARATIVE ENTHALPY CONTROL. USE COPPER CONDUCTORS ONLY! N'UTILISER QUE DES CONDUCTEURS EN CUIVRE! ¡UTILICE ÚNICAMENTE CONDUCTORES DE COBRE! 6 OPTIONAL MAS. RAS. RHS. OHS. OAE. RAE. AND ASSOCIATED WIRING NOT USED WITH MOTORIZED (NON-MODULATING) OR MANUAL OUTSIDE AIR DAMPER. UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS. LES BORNES DE L'UNITÉ NE SONT PAS CONÇUES POUR RECEVOIR D'AUTRES TYPES DE CONDUCTEURS. LAS TERMINALES DE LA UNIDAD NO ESTÁN DISEÑADAS PARA ACEPTAR OTROS TIPOS DE CONDUCTORES. B) TO INSTALL OPTIONAL ECONOMIZERS. REMOVE PLUG PPM2A FROM PPF2 AND CONNECT L'UTILISATION DE TOUT AUTRE CONDUCTEUR PEUT SI NO LO HACE, PUEDE OCASIONAR DA ÑO AL EQUIPO. FAILURE TO DO SO MAY CAUSE DAMAGE TO THE ENDOMMAGER L'ÉQUIPEMENT INDOOR SECTION RETURN SECTION CONTROL BOX SEE APPLICABLE CONTROL BOX DIAGRAM FTR OPTIONAL COF SWITCH 3R(BK) - 3 3 - 10A(BK) 9A(BL) - 2 2 - 9B(BL) 8A(R) - 1 1 - 8B(R) WITHOUT ECONOMIZER LEGEND DESCRIPTION 8 PPM2A/PPF2 2-10VDC CRANKCASE HEATER OPTIONAL FROSTAT - 109B(BR) CONDENSATE OVERFLOW SWITCH OUTDOOR SECTION - 231A(BK) - 106B(BR) FOS BLK COMPRESSOR SINGLE POINT DISCONNECT W 7(BK) - 104F(R) — 232A(PK) SWITCH - DISCHARGE TEMP LIMIT ECONOMIZER CONTROL ACTUATOR W 6(Y) BLACK — 233A(BK ECON FD FOS MODULE ULTRA LOW-LEAK ECONOMIZER 24VAC HOT RED - 234A(R) - 101AE(BL) - 151B(BK) FLAME ROLLOUT INDOOR FAN HARNESS CONNECTION 9B(BL) FTB ₻ GV HPC IDM IGN LAT LLT LPBP LPC VALVE - GAS SWITCH - HIGH PRESSURE 8B(R) 8 PPM2/PPF2 INDOOR BLOWER MOTOR MODULE - GAS IGNITION LOW AMBIENT TEMP SENSOR STANDARD ECONOMIZER 10A(BK) W 18(BL) OHS 109D(BR) - 109B(BR) 124A(BL) 5 w 17(R) 0 0 W 19(BK) SENSOR LIQUID LINE TEMPERATURE LOW-PRESSURE BYPASS TIME DELAY RELAY SWITCH - LOW PRESSURE LOW VOLTAGE (24Y) COMMON -109D(BR 106B(BR) - 104E(R) - 101V(BL) - 110A(Y) 101X(BL) 110B(Y) 141A(Y) DISC 111C(Y) Y1 IN 140A(Y) Y1 OUT ₩1 IN SENSOR MIXED AIR TEMP GAS - MAIN VALVE SENSOR OUTDOOR AIR TEMP / HUMIDITY 0 0 0 GND EXF 121A(R)-MAT - 140B(BK) 0AT 126A(BL) 5. 121A(R) MAT 122A(BL) MAT 123A(R) OAH 124A(BL) OAT 140A(Y) 101P(BL) - 101AE(BL) OPTIONAL CONDENSATE OVERFLOW SWITCH RTEM-EM 151A(BK) -- 151B(BK) SENSOR OUTSIDE AIR HUMIDITY SENSOR OUTDOOR AIR TEMP OUTDOOR FAN MOTOR 2-10 VDC DAMPER FEEDBACK -2294(GY) 230A(BK) ODM 127A(R) OUTDOOK FAN MOTOR SENSOR OUTSIDE AIR HUMIDITY MODULE - PHASE MONITOR PRESSURE SWITCH RETURN AIR TEMP AND HUMIDITY BLACK (DTL1) 128A(BL) 5 127A(R) RAT 2-10 VDC DAMPER COMMAND LPC1 - 231A(BK) 232A(PK) 129A(BL) 129A(R) 130A(BL) 151A(BK) 151A(BK) OPTIONAL ULTRA LOW LEAK ECON MIXED AIR TEMP SENSOR STANDARD ECONOMIZER MIXED AIR TEMP SENSOR - 233A(BK) 24VAC - 121B(R) 4 - 122B(BL) 5 - 122B(BL) 6 (4) (5) HP(1 RAH RAS RHS SENSOR RETURN AIR HUMIDITY - 234A(R) 121A(R) 14> SENSOR RETURN AIR TEMP SENSOR RETURN AIR HUMIDITY 129A(P) 122A(BL) 2SPD CFG GND RTEM-EM TCO MODULE RELIATEL ECONOMIZER TEMP CUTOUT - 130A(BL) DTL1 101X(BL)-ULTRA LOW LEAK ECONOMIZER HEAT SECTION CPR1 - 60HZ 121B(R) MAT 122B(BL) OAT 125B(BL) OAT 123B(R) S-BUS 121B(R) 8 159A(BK) 111E(Y) -— 111A(Y) 132A,132C(R AUX2-1 OC C E-GND - 106K(BR) - 159A(BK) - 101AH(G) 28A(R) 104K(R) — 104E(R) 129B(R) S-BUS 130B(BL) S-BUS BROWN S-BUS 29A(BL) 101AG(BL) -— 101V(BL) EXH1 L 110F(Y) -- 110A(Y) 14.10 (Y) Y2 IN 110F(Y) Y2 OUT 141C(Y) Y1 IN 111E(Y) Y1 OUT 140C(Y) — 14.0B(BK - 101AE(BL - 151B(BK) 151C (BK) IAQ 2-10 IAQ COM IAQ 24VAC 0 101AF(BL) R 104K(R) BLACK ACT 2-10V ACT COM ACT 24VAC DIP SWITCH POSTIONS FOR SWITCHES 1, 2, & 3 12 USE ULTRA LOW LEAK ECA 101 1 - 101AF(BL).101AG(BL) RA=RETURN AIR 101 2 — 101AU(W) 101 3 RED — 1 24V BLACK — 2 COM WHITE — 3 S-BUS BROWN — 4 S-BUS - 123B(R) 4 - 124B(BL) 5 OAE 137C (BR)—O MV GV C O—152C (BL) INDUCER INDUCER 163A(BK) -0 2 164A(BK 125B(R) 05 60 DAT INDUCER O-126B(BL) FFP1 ____ Q1 3Q - 129B(R) - 130B(BL) 5 RAE BLACK 120C(BR)—[]—BRN FR BRN []—132A.132E(R) CCH1 GREEN 119C (BR)-