SHEET: REV DRAW ING NUMBER: 12133025 LEGEND TRANE WIRE COLOR DESIGNATION 12133021 **IMPORTANT!** DEVICE DESIGNATION 1 ALL WIRING AND DEVICES SHOWN DASHED TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER IN ACCORDANCE WITH LOCAL AND NATIONAL ELECTRICAL CODES. 13 OPTIONAL OCCUPANCY SENSOR CONNECTOR. DESCRIPTION THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE CONSENT OF TRANE. ABBR COLOR ABBR COLOR DO NOT ENERGIZE UNIT UNTIL CHECK-OUT AND START-UP PROCEDURE HAS BEEN COMPLETED. FOUNDATION - 3-5 TON COMPRESSOR CONTACTOR 14> 24 VAC CLASS 2 CIRCUITS. BK BLACK V (PR) PURPLE BL BLUE R RED BR BROWN TN TAN TRANE@ DATE: 05-00 T-2018 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. DIAGRAM CO2 SENSOR CONDENSATE OVERFLOW RELAY P PAM CONNECTION - CONTROL BOX 3 THREE PHASE MOTORS ARE PROTECTED UNDER PRIMARY SINGLE PHASING CONDITIONS. ALL MOTORS HAVE INTERNAL OVERLOAD PROTECTION. COMPRESSORS HAVE INTERNAL THERMAL PROTECTION. COFTD DTL1 CONDENSATE OVERFLOW SWITCH TO SWITCH - DISCHARGE TEMP LIMIT RELAY CONTROL EMERGENCY STOP SWITCH ACES: 12131610-E SYSTEM USED: Pro/DETAIL 460V/575V 2 STAGE GAS HEAT ESTOP FAN RELAY - CONTACTOR FROSTAT SWITCH TO SHUT DOWN THE UNIT FOR EMERGENCY STOP. REMOVE JUMPER ACROSS LTB ESTOP PINS AND INSTALL FIELD SUPPLIED DEVICE. SEE INSET B. CAUTION PRECAUCIÓN **ATTENTION** FOS FTD HPC1 HTB1 FROSTAT SWITCH FROSTAT TIME DELAY SWITCH - HIGH PRESSURE TERMINAL BLOCK MODULE - GAS IGNITION LOW AMBIENT TEMP SENSOR SENSOR LIQUID LINE TEMPERATURE LOW AMBIENT CONTROLLER LOW-PRESSURE BYPASS TIME DELAY RELAY MODULE LOCKOUT SAFETY DEVICE 1 TERMINAL BLOCK LOW VOLTAGE (24V) COMMON USE COPPER CONDUCTORS ONLY! N'UTILISER QUE DES CONDUCTEURS EN CUIVRE! ¡UTILICE ÚNICAMENTE CONDUCTORES DE COBRE! UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT LAS TERMINALES DE LA UNIDAD NO ESTÁN DISEÑADAS PARA ACEPTAR OTROS TIPOS DE CONDUCTORES. LES BORNES DE L'UNITÉ NE SONT PAS CONÇUES POUR RECEVOIR D'AUTRES TYPES DE CONDUCTEURS. (CONNECTIONS SHOWN INCLUDE OPTIONAL CONDENSATE OVERFLOW SWITCH (COF). IF COF IS NOT INSTALLED, CONNECT WIRE W5(R) TO 104A(R). OTHER TYPES OF CONDUCTORS. IGN LAT 8 CONNECTIONS SHOWN INCLUDE OPTIONAL FROSTAT (FOS). IF FOS IS NOT INSTALLED, CONNECT WIRE W8 TO WIRE 10TT. FAILURE TO DO SO MAY CAUSE DAMAGE TO THE L'UTILISATION DE TOUT AUTRE CONDUCTEUR PEUT SI NO LO HACE. PUEDE OCASIONAR DA NO AL EQUIPO. LLT LOAM1 ENDOMMAGER L'ÉQUIPEMENT. LPBP LSD1 LTB1 LOW VOLTAGE (24V) COMMON OD FAN MOTOR MODULE - PHASE MONITOR PRESSURE SWITCH 12> FOR TNS1: CONNECTIONS SHOWN ARE FOR 460V UNITS. FOR 575V OPERATION. MOVE ALL WIRES FROM THE 460V TERMINAL TO THE 575V TERMINAL. FOR TNS2: CONNECTIONS SHOWN ARE FOR 460V UNITS USING THE BLUE WIRE. FOR 575V OPERATION. MOVE THE CONNECTION FROM THE BLUE WIRE 460V TO THE BLACK WIRE 575V. 24V POWER TRANSFORMER 101D .101T(BL) T1 0 8A(R) 104A(R) ————104B(R) T2 0 OPTIONAL CONDENSATE OVERFLOW 136A(BK) B 0 101M(BL) R 0 104C,D(RD) 2 138B(BR) 2 137B(BR) 3 153B(BL) 0 0 0 5 (T1) HO-FOS-BUK HIGH LOW 8 22A(R) -W 5(R) 101B(BL) 2A(BL) 1A(R) TNS2-BK (575V) TNS2-RED TNS2-BL (460V) 23A(PR) **ι**2 INDUCER TNS2-230V-RED 5 120B(BR) 7 152B(BL) 8 133A(BR) 9 132D(BR) 135B(BK) — O LOW 135B.136A(BK) — O HIGH BLOWER 104C(R) — O L2 101T(BL)-PHM W 10 106D(BR) W 20 107B(BR) G 0 109E(BK) Y 0 111B(Y) L2 Q CC1 112A(Y) - W R(RL) . I OPTIONAL FROSTAT OPTIONAL CONDENSATE OVERFLOW SWITCH I 02 40 -05 60 COFR 102B(BL) LOW AMBIENT CONTROLLER OPTION 103A(BL) 101J(BL ODM 29B(BL) | 104A.D.£(R) - | R | B | 101f. AE.V(BL) | 111A.B.D(Y) - | Y1 | W1 | 106B.D(BR) | 107B.E(R) | 107B.E(R \$ \$ \$ \$ \$ \$ LINE LOAD LOAD LOAD LOAM1 159B(BK) (5) LVC <u> बिर्वावीवीवीवीवीवीवी</u> 101E(BL)— 111D(Y)— —BLACK (TO LAT) -BLACK (TO LLT) 140B(BK) 112A(Y IGNITION WIRE-₽ (FROM CC1-L1) RED —COM - BLK--TO 21A(BL) 101A(G) 101B .R(BL) POWER & CONTROL WIRES--COMPRESSOR WIRING OPTIONAL LOW AMBIENT TEMP SENSOR LAT BLACK LTB1 FIELD WIRING INSET "B" rr ____14__ - TB1 - RB - Y1 - Y1 - W2 - G - CO - FSTIPP SEE NAMEPLATE FOR LINE VOLTAGE AND MAX. FUSE SIZE L3 L2 L1 I I I LSD1 140E (BK) -101BA (BL) -(5) 104V (R) -