NOTES:

1. ALL WIRING AND DEVICES SHOWN DASHED TO BE SUPPLIED AND INSTALLED BY THE CUSTOMER IN ACCORDANCE WITH LOCAL AND NATIONAL ELECTRICAL CODES.
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.
3. THREE PHASE MOTORS ARE PROTECTED UNDER PRIMARY SINGLE PHASING CONDITIONS. ALL MOTORS HAVE INTERNAL OVERLOAD PROTECTION. COMPRESSORS HAVE INTERNAL THERMAL PROTECTION.

4 REQUIRED FOR OPTIONAL REFERENCE ENTHALPY CONTROL.

5 REQUIRED FOR OPTIONAL COMPARATIVE ENTHALPY CONTROL.

6 OPTIONAL MAS, RAS, RHS, OHS, OAE, RAE, AND ASSOCIATED WIRING NOT USED WITH MOTORIZED (NON-MODULATING) OR MANUAL OUTSIDE AIR DAMPER.

8 TO INSTALL OPTIONAL ECONOMIZERS, REMOVE PLUG PPM2A FROM PPF2 AND CONNECT ECONOMIZER PLUG PPM2.

12 REQUIRED DIP SWITCH SETTING FOR ULTRA LOW LEAK OAE, & RAE.

13 REQUIRED FOR OPTIONAL DRY BULB CONTROL.

14 STANDARD ECONOMIZER ECA IS ATTACHED TO THE BACK OF THE RTEM-EM.

WIRE COLOR DESIGNATION			
ABBR	COLOR	ABBR	COLOR
BK	BLACK	V (PR)	PURPLE
BL	BLUE	R	RED
BR	BROWN	TN	TAN
G	GREEN	W	WHITE
O	ORANGE	Y	YELLOW

IMPORTANT!

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

TRANE

THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE CONSENT OF TRANE.

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REPLACES: --	REVISION DATE: 31-AUG-2016	SHEET: 1 OF 1	REV C
CAD SYSTEM USED: Pro/DETAIL	SIMILAR TO: --		

FOUNDATION DIAGRAM

CONNECTIONS - RACEWAY

208V/230V, 2 STAGE GAS HEAT 3T-5T

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.

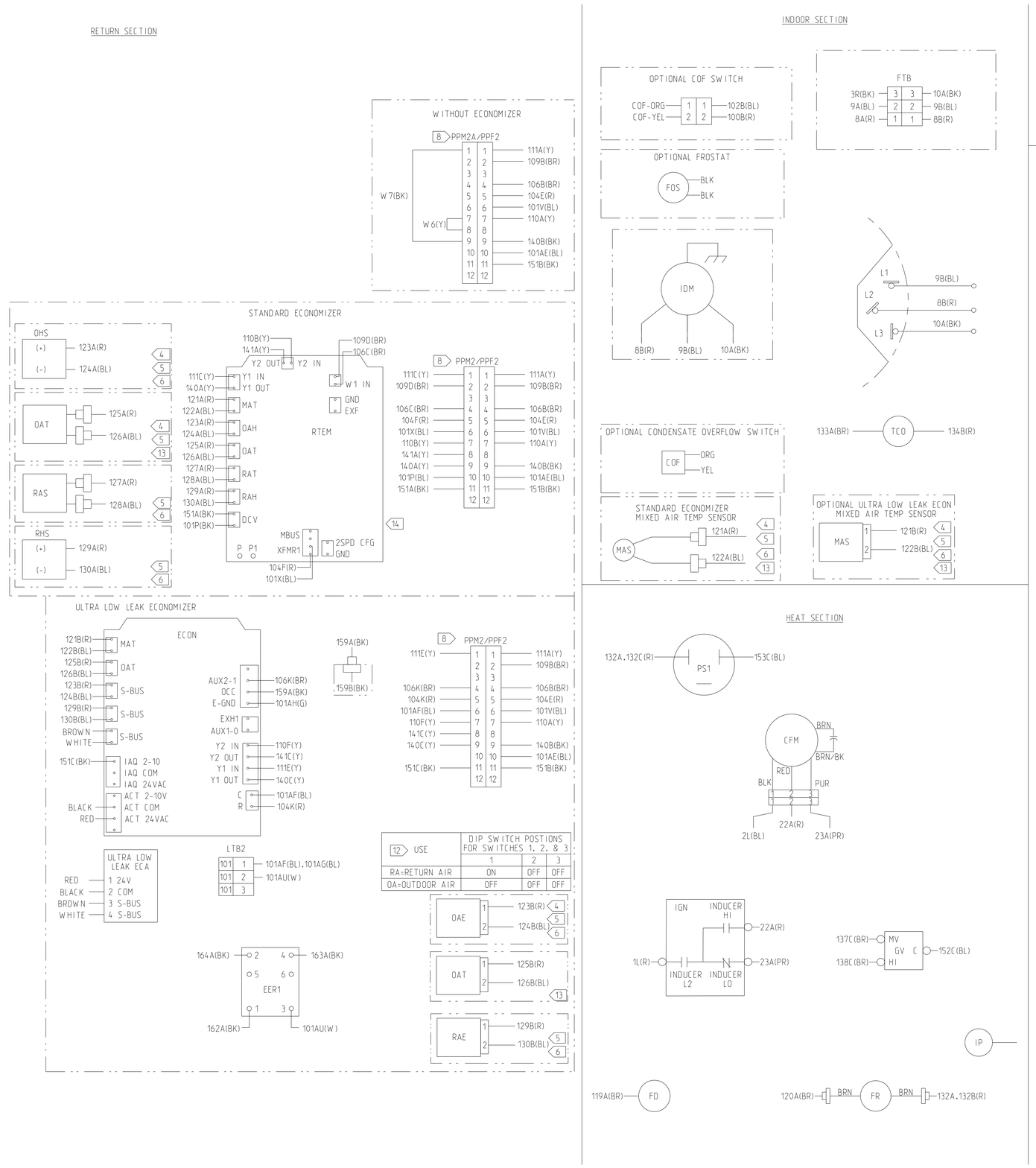
PRECAUCIÓN

¡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.

LEGEND	
DEVICE DESIGNATION	DESCRIPTION
CCH	CRANKCASE HEATER
CO2	CO2 SENSOR
COF	CONDENSATE OVERFLOW SWITCH
CPR	COMPRESSOR
DISC	SINGLE POINT DISCONNECT
DTL	SWITCH - DISCHARGE TEMP LIMIT
ECA	ECONOMIZER CONTROL ACTUATOR
ECON	MODULE ULTRA LOW-LEAK ECONOMIZER
FD	FLAME DETECTOR
FOS	FROSTAT SWITCH
FR	FLAME ROLLOUT
FTB	INDOOR FAN HARNESS CONNECTION
GV	VALVE - GAS
HPC	SWITCH - HIGH PRESSURE
IDM	INDOOR BLOWER MOTOR
IGN	MODULE - GAS IGNITION
LAT	LOW AMBIENT TEMP SENSOR
LLT	SENSOR LIQUID LINE TEMPERATURE
LPBP	LOW-PRESSURE BYPASS TIME DELAY RELAY
LPC	SWITCH - LOW PRESSURE
LVC	LOW VOLTAGE (24V) COMMON
MAS	SENSOR MIXED AIR TEMP
MV	GAS - MAIN VALVE
OAE	SENSOR OUTDOOR AIR TEMP / HUMIDITY
OAH	SENSOR OUTSIDE AIR HUMIDITY
OAT	SENSOR OUTDOOR AIR TEMP
ODM	OUTDOOR FAN MOTOR
OHS	SENSOR OUTSIDE AIR HUMIDITY
PHM	MODULE - PHASE MONITOR
PS	PRESSURE SWITCH
RAE	RETURN AIR TEMP AND HUMIDITY
RAH	SENSOR RETURN AIR HUMIDITY
RAS	SENSOR RETURN AIR TEMP
RHS	SENSOR RETURN AIR HUMIDITY
RTEM	MODULE RELIATEL ECONOMIZER
TCO	TEMP CUTOUT



12 USE	DIP SWITCH POSTIONS FOR SWITCHES 1, 2, & 3		
	1	2	3
RA=RETURN AIR	ON	OFF	OFF
OA=OUTDOOR AIR	OFF	OFF	OFF