

UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN INCHES. TOLERANCE:

.X = ± 0.1
 .XX = ± 0.03
 .XXX = ± 0.005

FINISH ✓

ANGLES = ± 2.0° HOLE DIA = .

CONFORMS TO ASME Y14.5M-1994.

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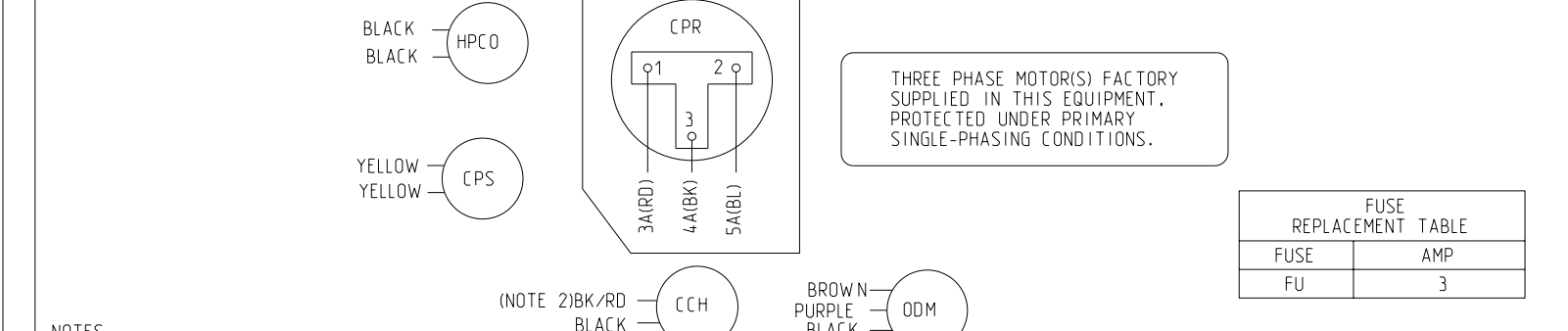
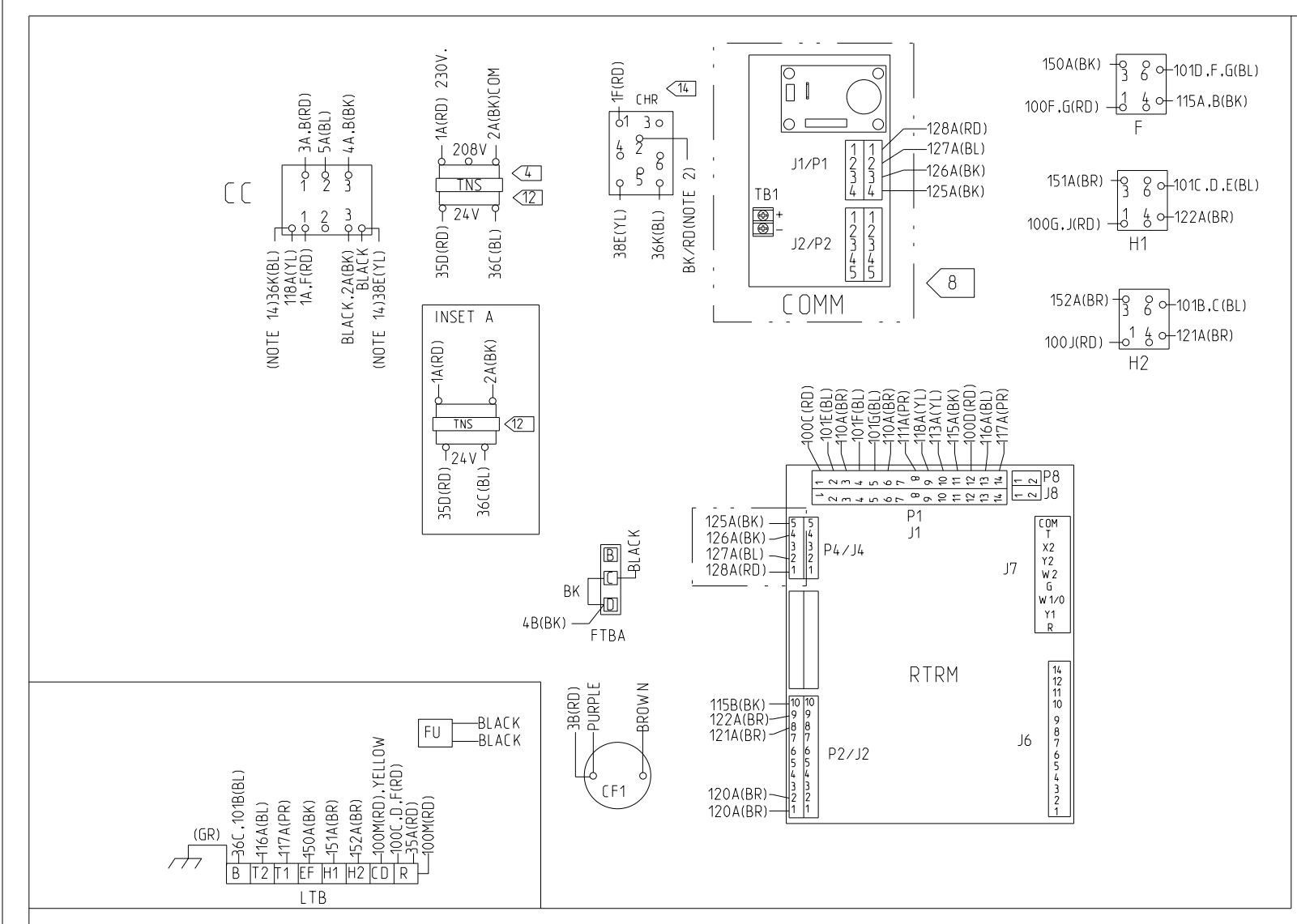
DRAWN BY: J.EATON DATE: 27 APR 06

DO NOT SCALE PRINT

THIRD ANGLE PROJECTION

4367-0363 SHEET 1 OF 1 REV A

DIAGRAM-WIRING



- NOTES:
- LOW VOLTAGE WIRING MUST BE 18 AWG MINIMUM.
 - ON ALL NOTE 2 REFERENCES, LEAD COLOR TO BE BK/YL ON TTA090A3 MODEL, BK/BR ON TTA09020AW MODELS, AND BK/RD ON ALL OTHER MODELS.
 - SEE HEATER ACCESSORY DIAGRAM FOR DETAILS OF HEATER WIRING.
 - CONNECTIONS SHOWN ARE FOR 230V/60 HZ/3 PH. WHEN 208V/60 HZ/3 PH OPERATION IS REQUIRED, REMOVE (AIRD) WIRE AT UNIT TRANSFORMER AND RECONNECT TO 208V TRANSFORMER TERMINAL.
 - IF EVAPORATOR DEFROST CONTROL (EDC) IS USED IN INDOOR UNIT, REMOVE JUMPER WIRE ON COMPRESSOR LOW VOLTAGE BOARD BETWEEN TERMINALS "R" AND "CD".
 - DO NOT JUMPER COMPRESSOR PROTECTION SWITCH (CPS) OR THE HIGH PRESSURE CUT-OUT SWITCH (HPCO).
 - ON MODELS WITH RTRM BOARDS, INSTALLER MUST MOVE EDC WIRES (IF AIR HANDLER HAS AN EVAPORATOR DEFROST CONTROL) FROM AIR HANDLER LOW VOLTAGE TERMINAL CONNECTIONS "S2" AND "S1" TO "R" AND "CD".
 - ALL COMPONENTS WITH PHANTOM LINES AROUND PERIMETER ARE FIELD INSTALLED ACCESSORIES EXCEPT FOR COMMUNICATION INTERFACE BOARD(COMM) AND CRANKCASE HEATER RELAY (CHR) WHICH MAY BE FACTORY INSTALLED ON SOME MODELS.
 - IF ANY OF THE ORIGINAL WIRES AS SUPPLIED WITH THIS UNIT, MUST BE REPLACED. REPLACE WITH WIRING OF THE SAME GAUGE RATED AT 600 VOLTS AND 105°C.
 - CUT WIRE 120A TO ENABLE ELECTRIC HEAT.
 - CUT WIRE 110A TO CONFIGURE FOR TWO STAGES OF ELECTRIC HEAT.
 - CONNECTIONS FOR THE 230V/60HZ/3 PH UNIT ARE SHOWN. FOR 400V, 460V, AND 575V MODELS, SEE TRANSFORMER CONNECTIONS IN INSERT "A" AND "B".
 - UNIT MODELS WITH A "R", "I", "U" OR "W" IN THE 10TH DIGIT (SEE UNIT NAMEPLATE) ALL USE A RELAY (RTRM). SEE PRODUCT LITERATURE FOR EXPLANATION OF 10TH DIGIT MODEL DESIGNATION.
 - THE CRANKCASE HEATER RELAY (CHR) IS USED ONLY ON TTA120A4, TA120AW AND TTA20AK MODELS. ON ALL OTHER MODELS (SEE MODEL TABLE), THE BK/RD(NOTE 2) CRANKCASE HEATER LEAD CONNECTS TO THE LINE SIDE OF CC-1.
 - MAXIMUM EXTERNAL LOW VOLTAGE LOAD 1.8 AMPS 24 V.A.C. DOES NOT INCLUDE ACCESSORIES, BUT DOES INCLUDE INDOOR BLOWER FAN.
 - INSTALL OPTIONAL REMOTE SENSOR TO TERMINALS S1 AND S2 WHEN REQUIRED. SEE PROGRAMMABLE ZONE SENSOR / REMOTE PANEL WIRING FOR OPTION CONFIGURATION.

WIRE COLOR DESIGNATION			
ABBR	COLOR	ABBR	COLOR
BK	BLACK	PR	PURPLE
BL	BLUE	RD	RED
BR	BROWN	WH	WHITE
GR	GREEN	YL	YELLOW
OR	ORANGE		

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 A DISTANCE. PUIS SUIVRE LES PROCEDURES DE VERROUILLAGE ET DES ETIQUETTES AVANT TOUTE INTERVENTION. VÉRIFIER QUE TOUTS LES CONDENSATEURS DES MOTEURS SONT DÉCHARGÉS. DANS LE CAS D'UNITÉS COMPORTANT DES ENTRAINEMENTS A VITESSE VARIABLE, SE REPORTER AUX INSTRUCTIONS DE L'ENTRAINEMENT POUR DÉCHARGER LES CONDENSATEURS.
 NE PAS RESPECTER CES MESURES DE PRECAUTION PEUT ENTRAÎNER DES BLESSURES GRAVES POUVANT ÊTRE MORTELLES.

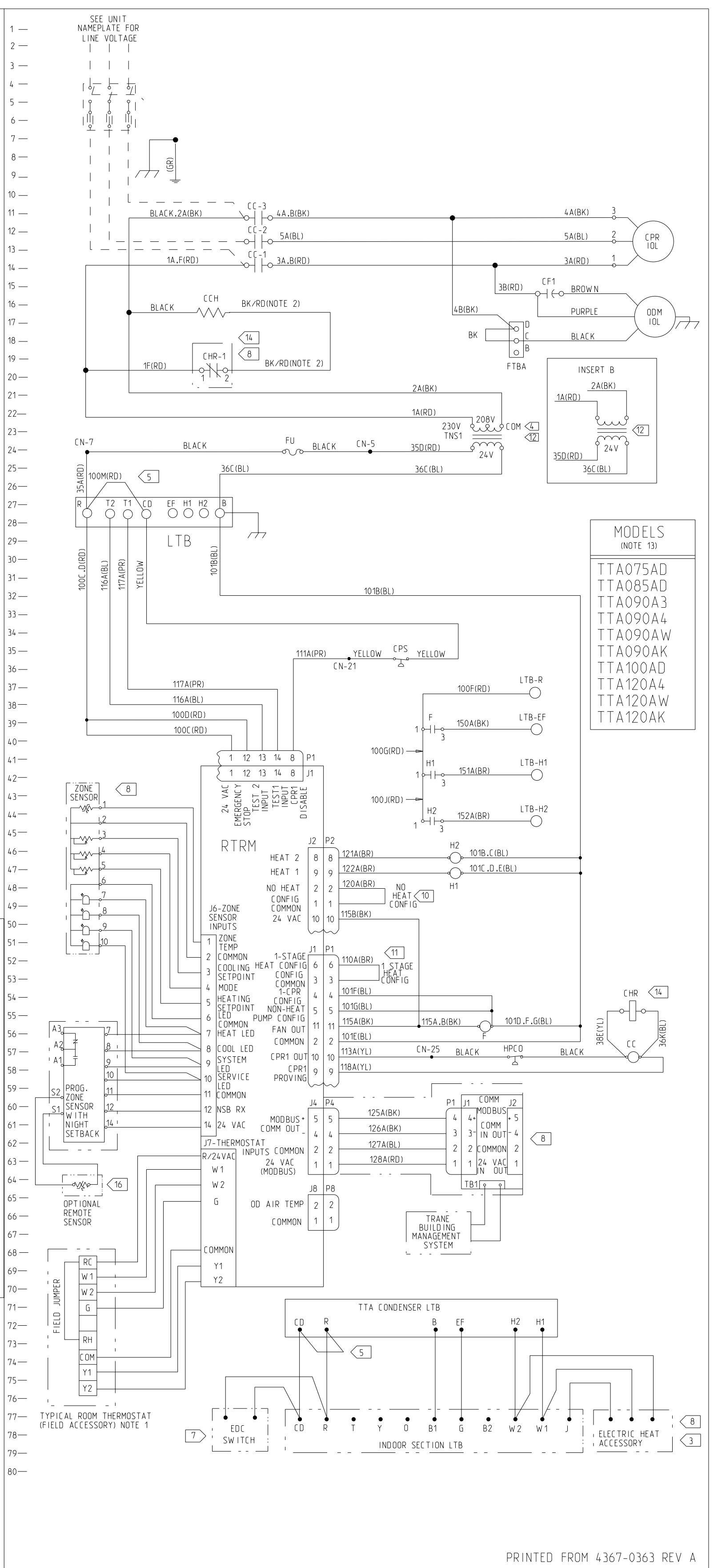
ADVERTENCIA
 ¡VOLTAJE PELIGROSO!
 DESCONECTE TODA LA ENERGÍA ELÉCTRICA, INCLUIDO LAS DESCONECCIONES REMOTAS Y SIGA LOS PROCEDIMIENTOS DE CIERRE Y ETIQUETADO ANTES DE PROCEDER AL SERVICIO. ASEGÚRESE DE QUE TODOS LOS CAPACITORES DEL MOTOR HAYAN DESCARGADO EL VOLTAJE ALMACENADO. PARA LAS UNIDADES CON EJE 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.

DEVICE	DESCRIPTION	LINE
CC	COMPRESSOR CONTACTOR	11-14
CCH	CRANKCASE HEATER	16
CF-1	OUTDOOR FAN CAPACITOR	15
CHR	CRANKCASE HEATER RELAY	19-20
CW	CONNECTOR OR WIRE NOT SHOWN	59-64
COMM	COMMUNICATION INTERFACE MODULE	11-13
CPR	COMPRESSOR PROTECTION SWITCH	35
CPS	COMPRESSOR PROTECTION SWITCH	35
EDC	EVAPORATOR DEFROST CONTROL	77-78
F	FAN RELAY	39
FTB	FAN TERMINAL BOARD	17-19
FU	FUSE	24
H1,H2	HEAT RELAYS	42,44
HPCO	HIGH PRESSURE CUTOUT	57
IDL	INTERNAL OVERLOAD	39
LTB	LOW VOLTAGE TERMINAL BOARD	27-28
DDM	OUTDOOR FAN MOTOR	16-18
RTRM	RELAYED REFRIGERATION MODULE	41-70
TNSA	CONTROL POWER TRANSFORMER	23

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'EQUIPEMENT.

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.



MATERIAL:
 FLEXCON WHITE VINYL (2 MIL THICK) WITH PRESSURE SENSITIVE ADHESIVE BACKING AND RELEASE PAPER. ADHESIVE FOR OUTDOOR APPLICATION ON PAINTED OR GALVANIZED METAL.
 SIZE: 9-1/2" X 10-1/2"
 ALL PRINTING TO BE BLACK.
 TRANE CO. TO FURNISH PRINTER WITH ELECTRONIC FILE OF THIS DRAWING. WIRING DIAGRAMS TO BE SUPPLIED AS INDIVIDUAL SHEETS PER SIZE ABOVE.

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