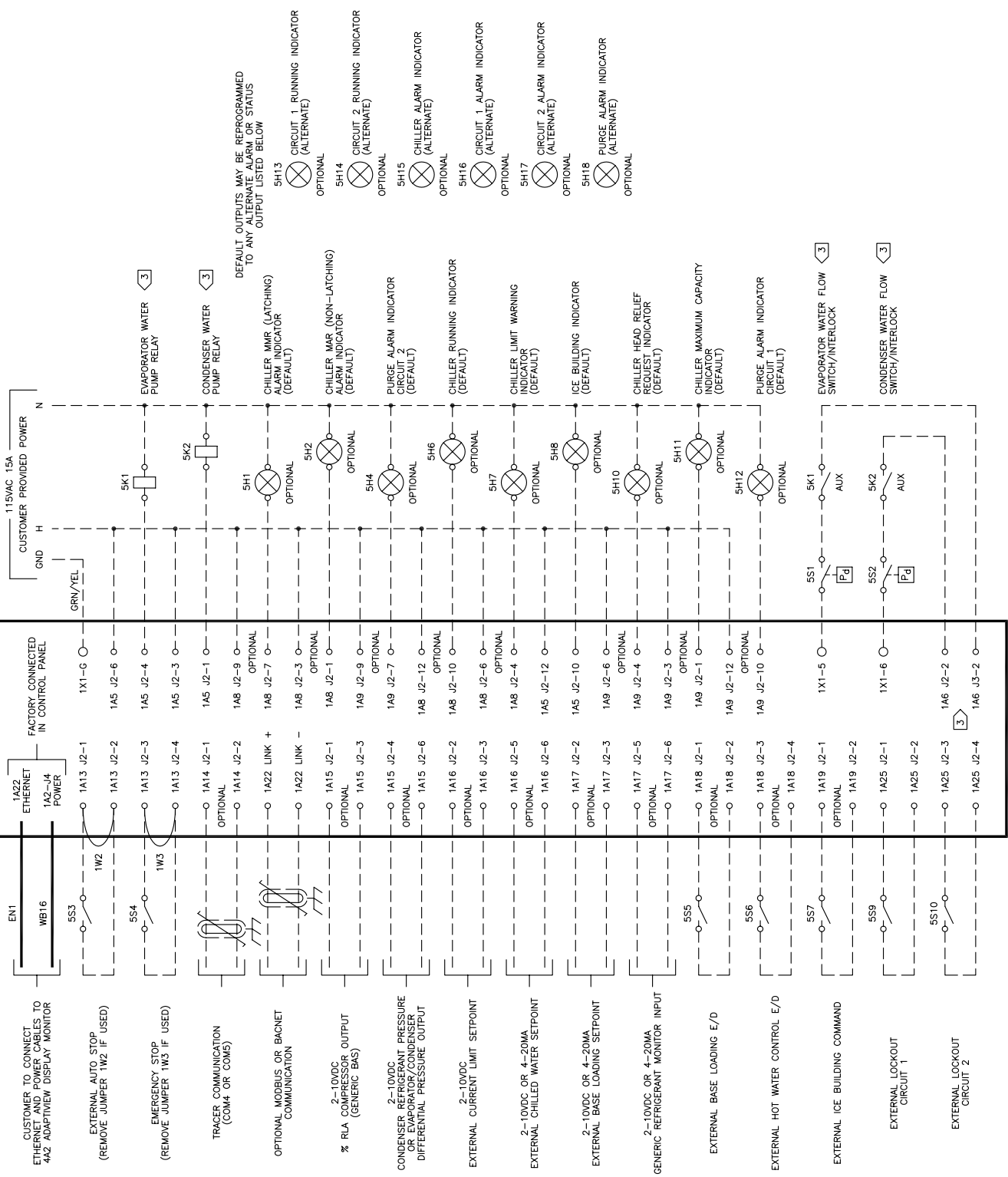
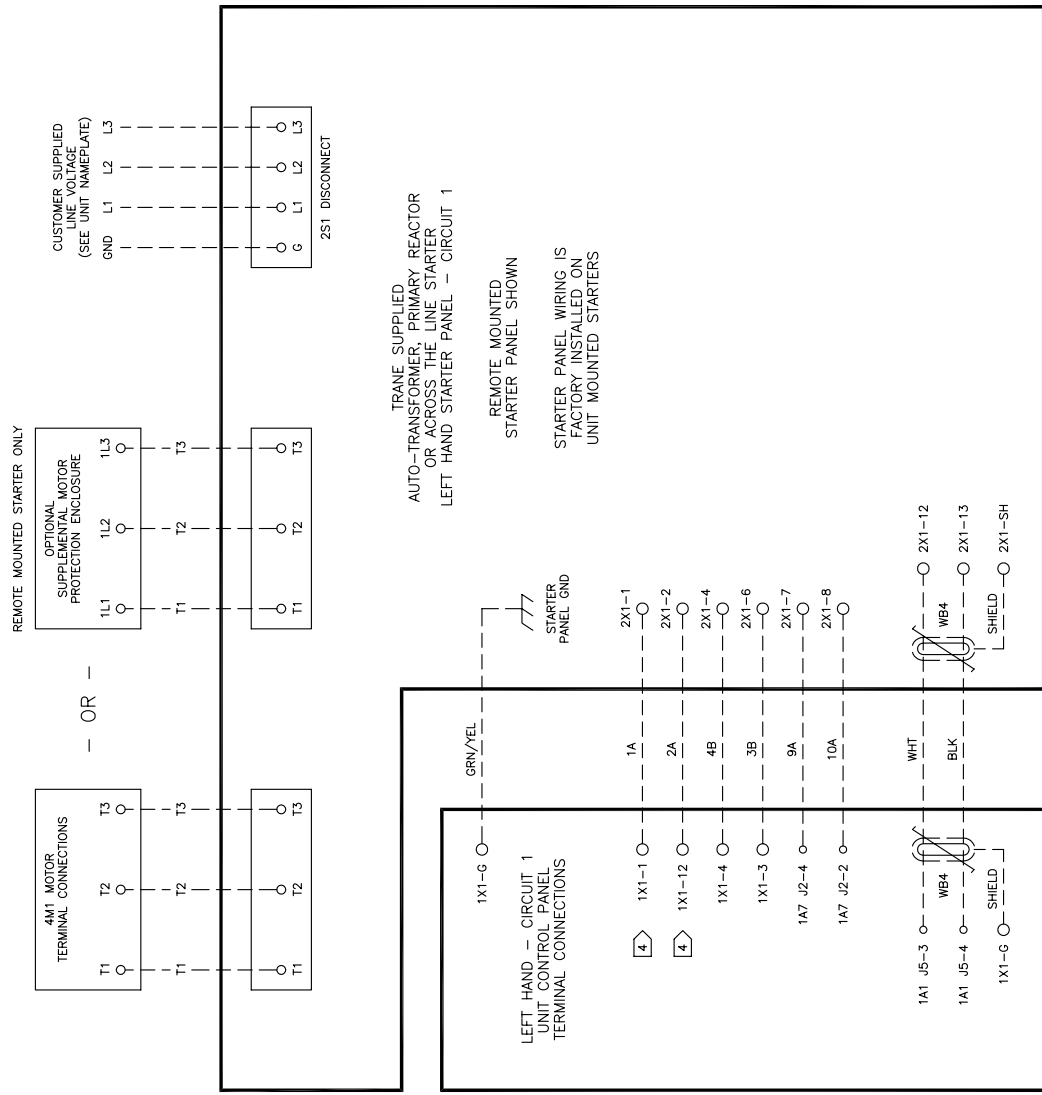


NOTES:

1. DASHED LINES INDICATE FIELD WIRING BY OTHERS. WIRE NUMBERS SHOWN ARE RECOMMENDED BY TRANS. REFER TO THE AS-BUILT SCHEMATIC DIAGRAM TO DETERMINE WHICH OPTIONS ARE PRESENT ON THE UNIT.
2. DO NOT ROUTE LOW VOLTAGE (30V) WITH CONTROL VOLTAGE (115V) AND DO NOT POWER UNIT UNTIL CHECK-OUT AND START-UP PROCEDURES HAVE BEEN COMPLETED.

31 ALL CUSTOMER SUPPLIED CHILLED WATER FLOW CIRCUITRY SHOWN. REFER TO THE AS-BUILT SCHEMATIC FOR THE CHILLED WATER FLOW SWITCHES. THE CHILLED WATER FLOW SWITCHES ARE TO BE INSTALLED IN SERIES WITH SEPARATE ASU CONTRACTS FOR THE EVAPORATOR AND CONDENSER PUMPS. THEY ARE TO BE INSTALLED AND WIRED TO THE TRANE MAIN UNIT CONTROL PANEL BY THE INSTALLING CONTRACTOR. THE PURCHASE OF FLOW SWITCHES FROM TRANE IS OPTIONAL.

4 STANDARD WIRING SHOWN. WHEN CONTROL POWER TRANSFORMER (CPTR OPTION) IS PRESENT, WIRE 1A IS NOT REQUIRED AND WIRE 2A CONNECTS TO 1X1-13 INSTEAD OF 1X1-12. REFER TO THE FIELD WIRING CIRCUIT SELECTION CHART FOR PROPER WIRE SIZING.

DEVICE PREFIX CODE

1 = MAIN UNIT CONTROL PANEL DEVICE
2 = REMOTE MOUNTED DEVICE
4 = UNIT MOUNTED DEVICE

⚠ WARNING

DISCONNECT ALL ELECTRIC POWER INCLUDING REMOTE DISCONNECTS AND FLOW 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.

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. VERIFIER QUE TOUTS LES CONDENSATEURS DES MOTEURS SONT DECHARGES. DANS LE CAS D'UNITES COMPORTANT DES ENTRAÎNEMENTS A VITESSE VARIABLE, SE REPORTER AUX INSTRUCTIONS DE L'ENTRAÎNEMENT POUR DECHARGER LES CONDENSATEURS.

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, PODRIA OCASIONAR LA MUERTE O SERIAS LESIONES PERSONALES.

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.

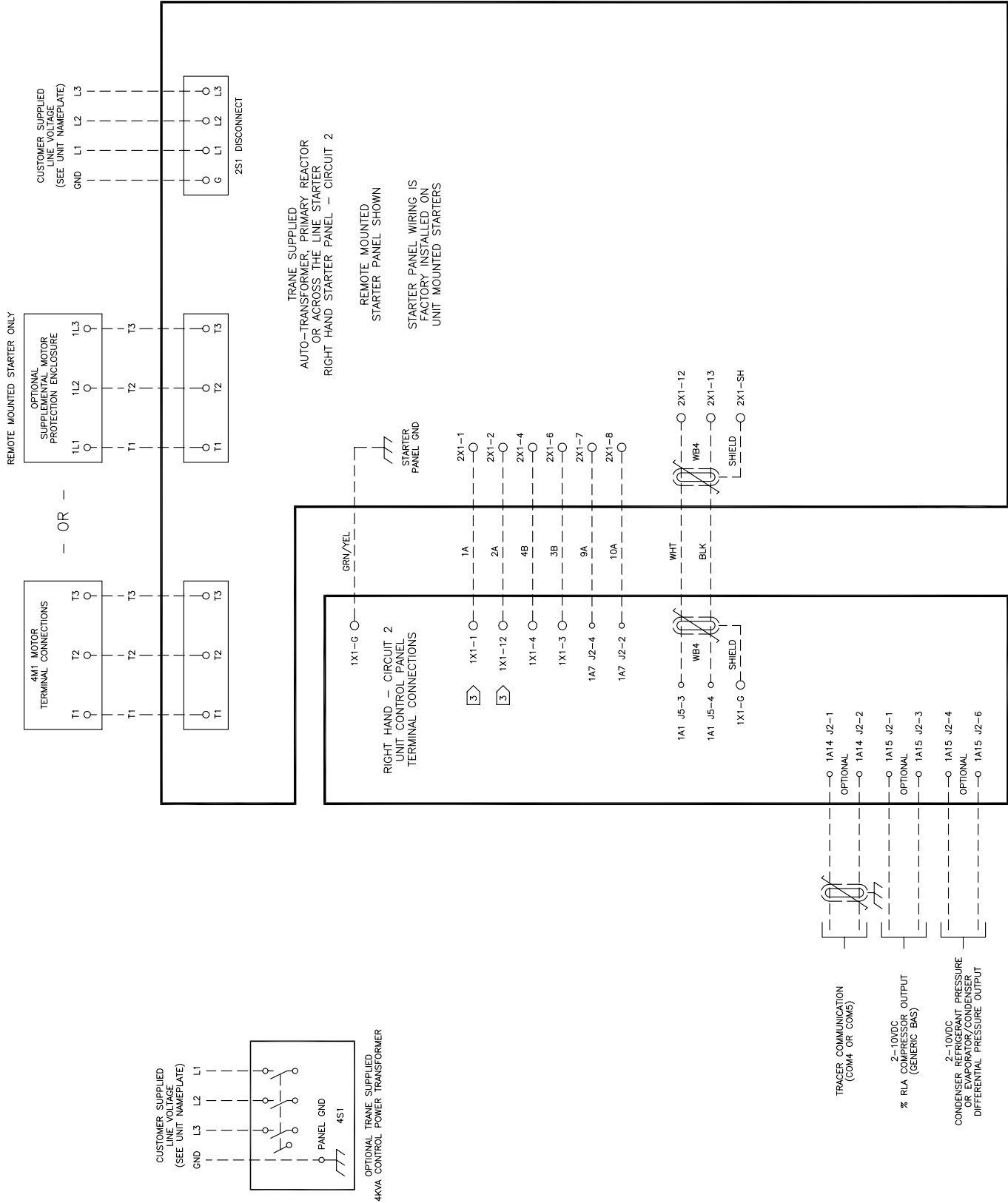
L'UTILISATION DE TOUT AUTRE CONDUCTEUR PEUT ENDOMMAGER L'ÉQUIPEMENT.

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.



WIRE NO OR DEVICE	FIELD WIRING CIRCUIT SELECTION INFORMATION
SUPPLY AND MOTOR LEADS	SEE NAMEPLATE; MINIMUM CIRCUIT AMPACITY
1A*	4000VA AT 115VAC, 8 AWG MAX WIRE SIZE
2A* AND GRN/YEL	4000VA AT 115VAC, 8 AWG MAX WIRE SIZE (WITHOUT OPTIONAL CPTR)
2A* AND GRN/YEL	CIRCUIT PROTECTED AT 20A, 115VAC 1PH, 10 AWG MAX WIRE SIZE (WITH OPTIONAL CPTR)
9A* AND 10A*	PUMP MOTOR: 1PH 3/4 HP, 11.7 FULL LOAD AMPS AT 115VAC, 14 AWG MAX WIRE SIZE.
WB4	TWISTED, SHIELDED PAIR, 30VDC, MAX LENGTH 1500 FT (BELDEN TYPE 8760 RECOMMENDED)
3B* AND 4B*	CIRCUIT PROTECTED AT 20A, 115VAC 1PH, 10 AWG MAX WIRE SIZE
ALL REMAINING LLD TERMINALS	CONTACT RATING: 2.88A INDUCTIVE, 1/3 HP, 0.25kW AT 115VAC, 14 AWG MAX WIRE SIZE.

* TAPPED CONTROL CONDUCTORS

NOTES:

1. DASHED LINES INDICATE FIELD WIRING. BY OTHERS. WIRE NUMBERS SHOWN ARE RECOMMENDED BY TRANE. REFER TO THE AS-BUILT SCHEMATIC DIAGRAM TO DETERMINE WHICH OPTIONS ARE PRESENT ON THE UNIT.
2. DO NOT ROUTE LOW VOLTAGE (30V) WITH CONTROL VOLTAGE (115V) AND DO NOT POWER UNIT UNTIL CHECK-OUT AND START-UP PROCEDURES HAVE BEEN COMPLETED.

3. STANDARD WIRING SHOWN. WHEN CONTROL POWER TRANSFORMER (CPTR OPTION) IS PRESENT, WIRE 1A IS NOT REQUIRED AND WIRE 2A CONNECTS TO 1X1-13 INSTEAD OF 1X1-12. REFER TO THE FIELD WRING CIRCUIT SELECTION CHART FOR PROPER WIRE SIZING.

⚠ 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. ALWAYS DISCHARGE CAPACITORS 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 D'ETIQUETAGE. ASSUREZ-VOUS QUE LES CONDENSATEURS DES MOTEURS SONT DECHARGES. DANS LE CAS D'UNITES COMPORTANT DES ENTRAÎNEMENTS D'UNITES, VERIFIER LES INSTRUCTIONS POUR DECHARGER LES CONDENSATEURS. NE PAS RESPECTER CES MESURES DE PRECAUTION PEUT ENTRAINER DES BLESSURES GRAVES POUVANT ETRE MORTELLES.

⚠ ADVERTENCIA

VOLTAJE PELIGROSO!

DESCONECTE TODA LA ENERGIA ELECTRICA, INCLUIDO LAS DESCONEXIONES REMOTAS Y SIGA LOS PROCEDIMIENTOS DE BLOQUEO Y ETIQUETADO ANTES DE PROCEDER AL SERVICIO. ASEGURESE DE QUE TODOS LOS CAPACITORES DEL MOTOR HAYAN DESCARGADO EL VOLTAJE ALMACENADO. PARA LAS UNIDADES CON ENTRAÎNAMIENTO, VERIFIQUE LAS INSTRUCCIONES PARA LA DESCARGA DEL CONDENSADOR.

EL NO REALIZAR LO ANTERIORMENTE INDICADO, PODRIA OCASIONAR LA MUERTE O SERIAS LESIONES PERSONALES.

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 RECEPTAR OTROS TIPOS DE CONDUCTORES.
SI NO LO HACE, PUEDE OCASIONAR DAÑO AL EQUIPO.

TRANE
A TRANE COMPANY
THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO ANY OTHER PARTY WITHOUT THE WRITTEN CONSENT OF TRANE.

DRAWN BY: R. DUSK ©DATE: 06 AUG 2007

REPLACES:

REVISION DATE:

SIMILAR TO: 2309-2172

2311-0556 SHEET 2 OF 2

CONNECTION DIAGRAM

UNIT FIELD WIRING

TRANE SUPPLIED AUTO-TRANSFORMER, PRIMARY REACTOR OR XL STARTER
RIGHT HAND DUPLEX 1 - CIRCUIT 2
CDHF-CDHC UNITS

DEVICE PREFIX CODE

1 = MAIN UNIT CONTROL PANEL DEVICE
2 = REMOTE MOUNTED DEVICE
3 = UNIT MOUNTED DEVICE
5 = CUSTOMER PROVIDED DEVICE