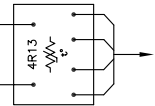


OPTIONAL
OUTDOOR AIR TEMPERATURE
4R13



SHIPPED WITH THE UNIT FOR FIELD
INSTALLATION. THE MAIN UNIT CONNECTION
LINK CABLE IN THE MAIN UNIT CONTROL PANEL
REFER TO THE UNIT INSTALLATION LITERATURE
FOR INSTALLATION OPTIONS AT THE JOB SITE.

WIRE NO OR DEVICE	FIELD WIRING CIRCUIT SELECTION INFORMATION
SUPPLY AND MOTOR LEADS	SEE NAMEPLATE; MINIMUM CIRCUIT AMPACITY
1A*, 2A* AND GRN/YEL	4000VA AT 115VAC, 8 AWG MAX WIRE SIZE
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)
SS1*, 5S2*, 3B* AND 4B*	CIRCUIT PROTECTED AT 20A, 115VAC 1PH, 10 AWG MAX WIRE SIZE
SS3 THRU 5S7, 5S9 AND 5S10	24VDC, 12MA RESISTIVE LOAD, 14 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:

- 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.
- 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 ALL CUSTOMER SUPPLIED CHILLED/TOWER WATER FLOW CIRCUITRY SHOWN. REFER TO THE AS-BUILT SCHEMATIC DIAGRAM TO DETERMINE WHICH WATER FLOW DISPLAY OPTION IS PRESENT ON THE UNIT. WHEN REQUIRED, EVAPORATOR AND CONDENSER WATER FLOW SWITCHES MUST BE INSTALLED ON THE SEPARATE FLOW SWITCHES 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.

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 BEFORE SERVICING. HIGH
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
ETIQUETER AVANT DE SERVICER. ASSUREZ-
VERIFIER QUE TOUTS LES CONDENSATEURS
DES MOTEURS SONT DECHARGES. DANS LE CAS
D'UNITE COMPORTANT DES ENTRAÎNEMENTS
A HAUTE VITESSE, REFEREZ-VOUS AUX
INSTRUCTIONS DE L'ENTRAÎNEMENT POUR
DECHARGER LES CONDENSATEURS.
NE PAS RESPECTER CES MESURES DE
PRECAUTION PEUT ENTRAÎNER 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
DE ALTA VELOCIDAD, REFERIRSE A LAS
INSTRUCCIONES PARA LA DESCARGA
DEL CONDENSADOR.
EL NO REALIZAR LO ANTERIORMENTE INDICADO,
PODRIA OCASIONAR LA MUERTE O SERIAS
LESIONES PERSONALES.

CAUTION

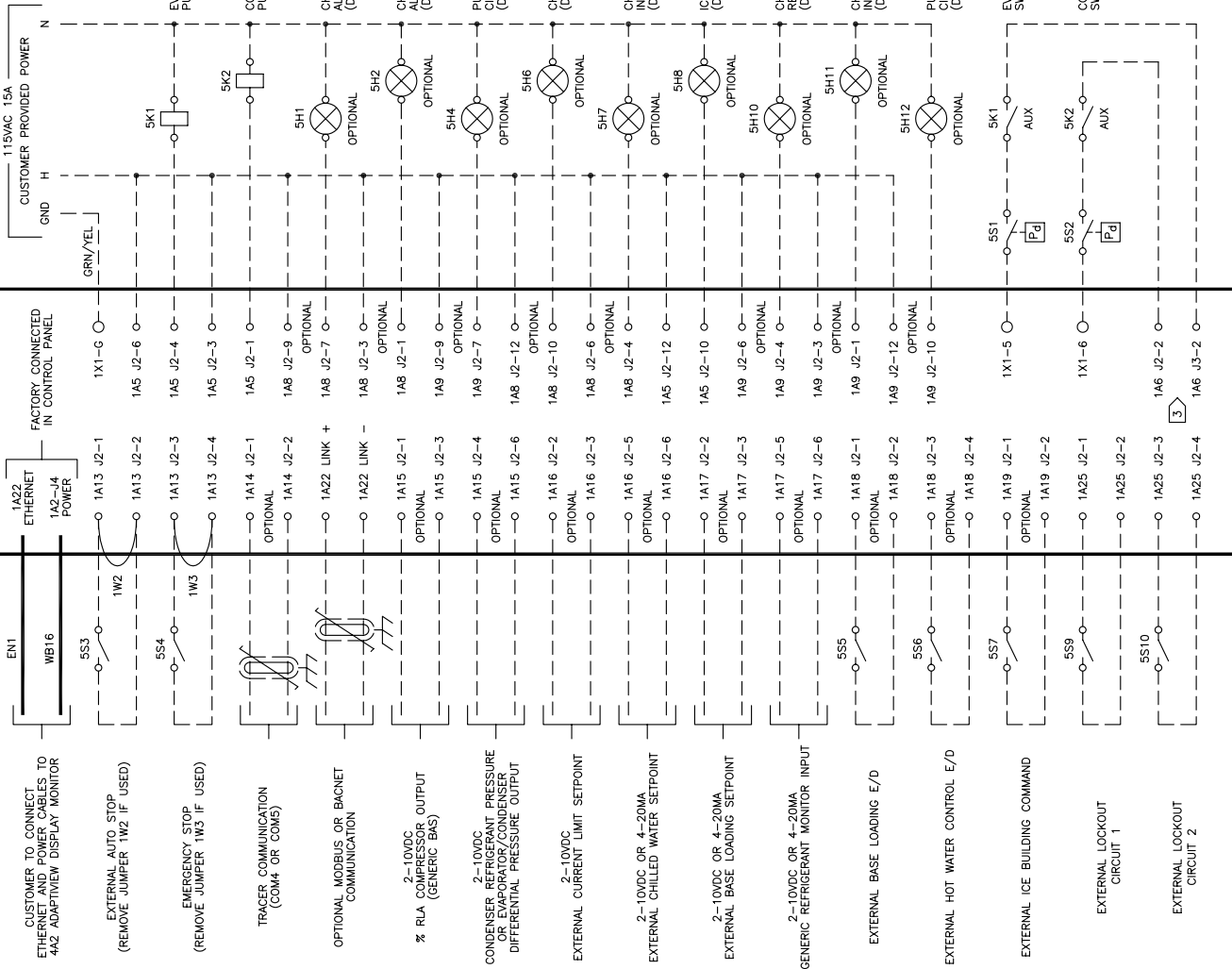
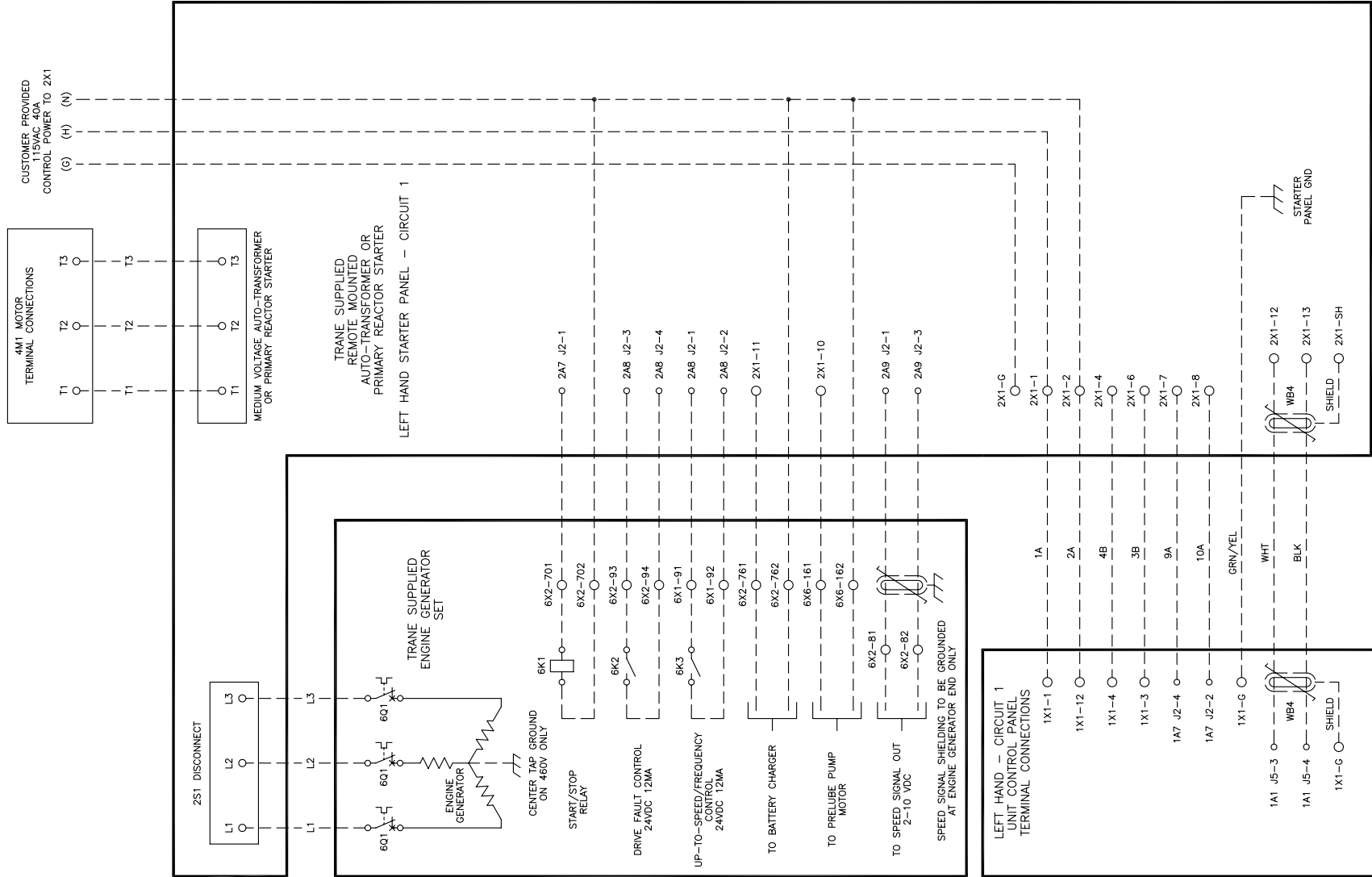
USE COPPER CONDUCTORS ONLY!
UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT
OTHER TYPES OF CONDUCTORS.
FAILURE TO DO SO MAY CAUSE
DAMAGE TO THE EQUIPMENT.

ATTENTION

N'UTILISER QUE DES CONDUCTEURS
EN CUIVRE!
LES BORNES DE L'UNITE 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.



TRANE

THIS DRAWING IS PRELIMINARY AND SHALL NOT BE USED FOR CONSTRUCTION OF THE UNIT WITHOUT THE SIGNATURE OF THE TRANE ENGINEER.

DRAWN BY: R. DUSK ©DATE: 06 AUG 2007

REPLACES:

REVISION DATE:

SIMILAR TO: 2309-7517

2311-0558

SHEET 1 OF 2

CONNECTION DIAGRAM

UNIT FIELD WIRING

TRANE SUP. MV AUTO-TRANSF OR PRIMARY REACTOR STARTER WITH ENGINE GEN SET LEFT HAND DUPLEX 1 CIRCUIT 1 CDRF-CDRH UNITS

DEVICE PREFIX CODE
1 = MAIN UNIT CONTROL PANEL DEVICE
2 = REMOTE MOUNTED DEVICE
3 = REMOTE MOUNTED DEVICE
5 = CUSTOMER PROVIDED DEVICE
6 = ENGINE DRIVEN GENERATOR DEVICE

