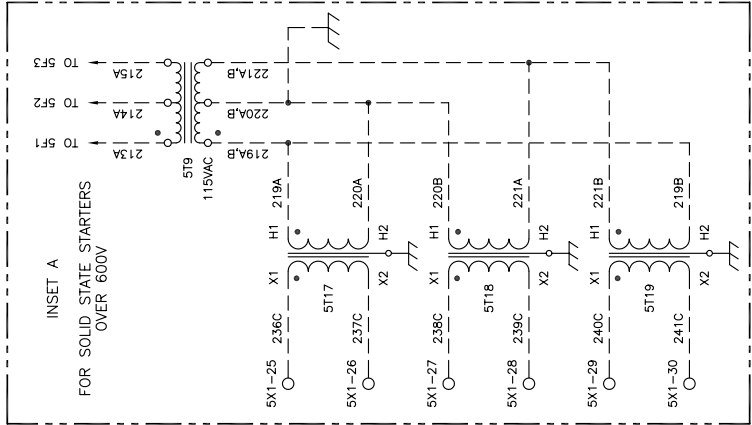
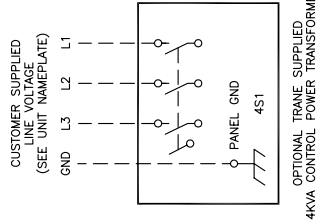


I G F C B A



SHIPPED WITH THE UNIT FOR FIELD
INSTALLATION TO THE WE3 CONTROL PANEL.
LINK CABLE IN THE MAIN UNIT CONTROL PANEL.
REFER TO THE INSTALLATION LITERATURE
FOR INSTALLATION OPTIONS AT THE JOB SITE.

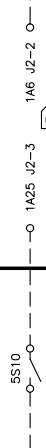
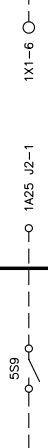
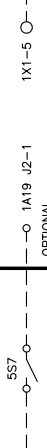
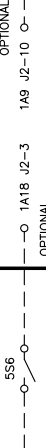
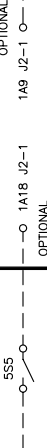
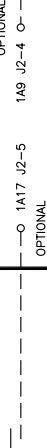
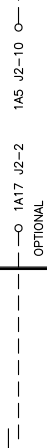
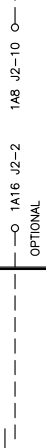
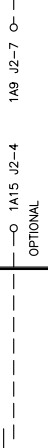
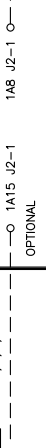
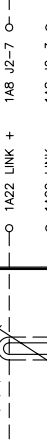
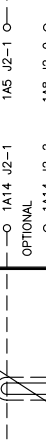
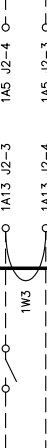
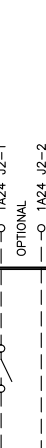
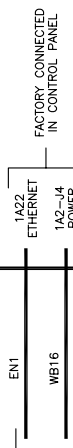
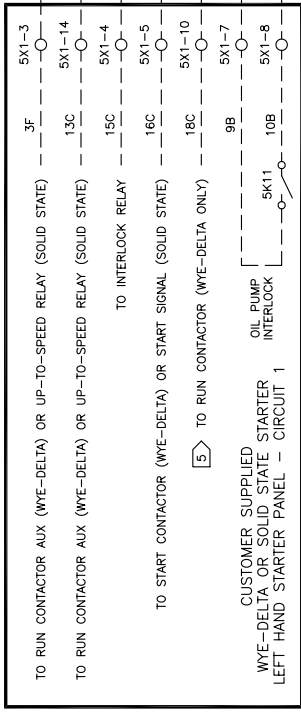


WIRE NO OR DEVICE	FIELD WIRING CIRCUIT SELECTION INFORMATION
SUPPLY AND MOTOR LEADS	SEE NAMEPLATE; MINIMUM CIRCUIT CAPACITY
1A*	4000VA AT 115VAC, 8 AWG MAX WIRE SIZE
2A* AND GRN/YEL	4000VA AT 115VAC, 8 AWG MAX WIRE SIZE (WITHOUT OPTIONAL CPTFR)
2A* AND GRN/YEL	CIRCUIT PROTECTED AT 20A, 115VAC 1PH, 10 AWG MAX WIRE SIZE (WITH OPTIONAL CPTFR)
9A* AND 10A*	PUMP MOTOR; 1PH 3/4 HP, 11.7 FULL LOAD AMPS AT 115VAC, 14 AWG MAX WIRE SIZE.
13B*, 15B*, 16B* AND 18B*	CONTACT RATING; 2.88A INDUCTIVE, 1/3 HP, 0.25KW AT 115VAC, 14 AWG MAX WIRE SIZE.
101B THRU 106B	SEE TRANE SPECIFICATION S651B-0513, APPENDIX C, 14 AWG MAX WIRE SIZE.
236B THRU 241B	SEE TRANE SPECIFICATION S651B-0513, APPENDIX F, 14 AWG MAX WIRE SIZE.
5S1*, 5S2* AND 3B*	CIRCUIT PROTECTED AT 20A, 115VAC 1PH, 10 AWG MAX WIRE SIZE
5A10-K1, 5S3 THRU 5S7, 5S9 AND 5S10	24VDC, 12MA RESISTIVE LOAD, 14 AWG MAX WIRE SIZE
ALL REMAINING LIUD 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.
- 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 PUMP CIRCUITS. THE SEPARATE PUMP 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.
- STANDARD WIRING SHOWN. WHEN CONTROL POWER TRANSFORMER (CPTFR OPTION) IS PRESENT, THE SF4 FUSE, 5T5 TRANSFORMER AND ASSOCIATED WIRING IS NOT REQUIRED. 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.
- WIRE 18B AND 18C ARE NOT USED WITH SOLID STATE STARTER.



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, FLOU
VERIFIER QUE TOUTS LES CONDENSATEURS
DES MOTEURS SONT DECHARGES. DANS LE CAS
D'UNITES COMPORTANT DES ENTRAÎNEMENTS
PAR LA CHARGE, SUIVRE LES INSTRUCTIONS
D'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
POR LA CARGA, SIGA LAS INSTRUCCIONES
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 ACEPTAR OTROS TIPOS
DE CONDUCTORES.
SI NO LO HACE, PUEDE OCASIONAR
DAÑO AL EQUIPO.

TRANE
A TRANE COMPANY, INC. 10000 TRANE DRIVE
DAVIDSON, NC 28026-1699
THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR IN
ANY MANNER WITHOUT THE WRITTEN PERMISSION OF TRANE.

DRAWN BY: R. DUSK ©DATE: 06 AUG 2007

REPLACES:

REVISION DATE:

SIMILAR TO: 2309-2174

2311-0561 SHEET
1 OF 2

CONNECTION DIAGRAM

UNIT FIELD WIRING

CUSTOMER SUPPLIED
WYE-DELTA OR SOLID STATE STARTER
LEFT HAND DUPLEX 1 - CIRCUIT 1
CDEF - COM5 UNITS

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

