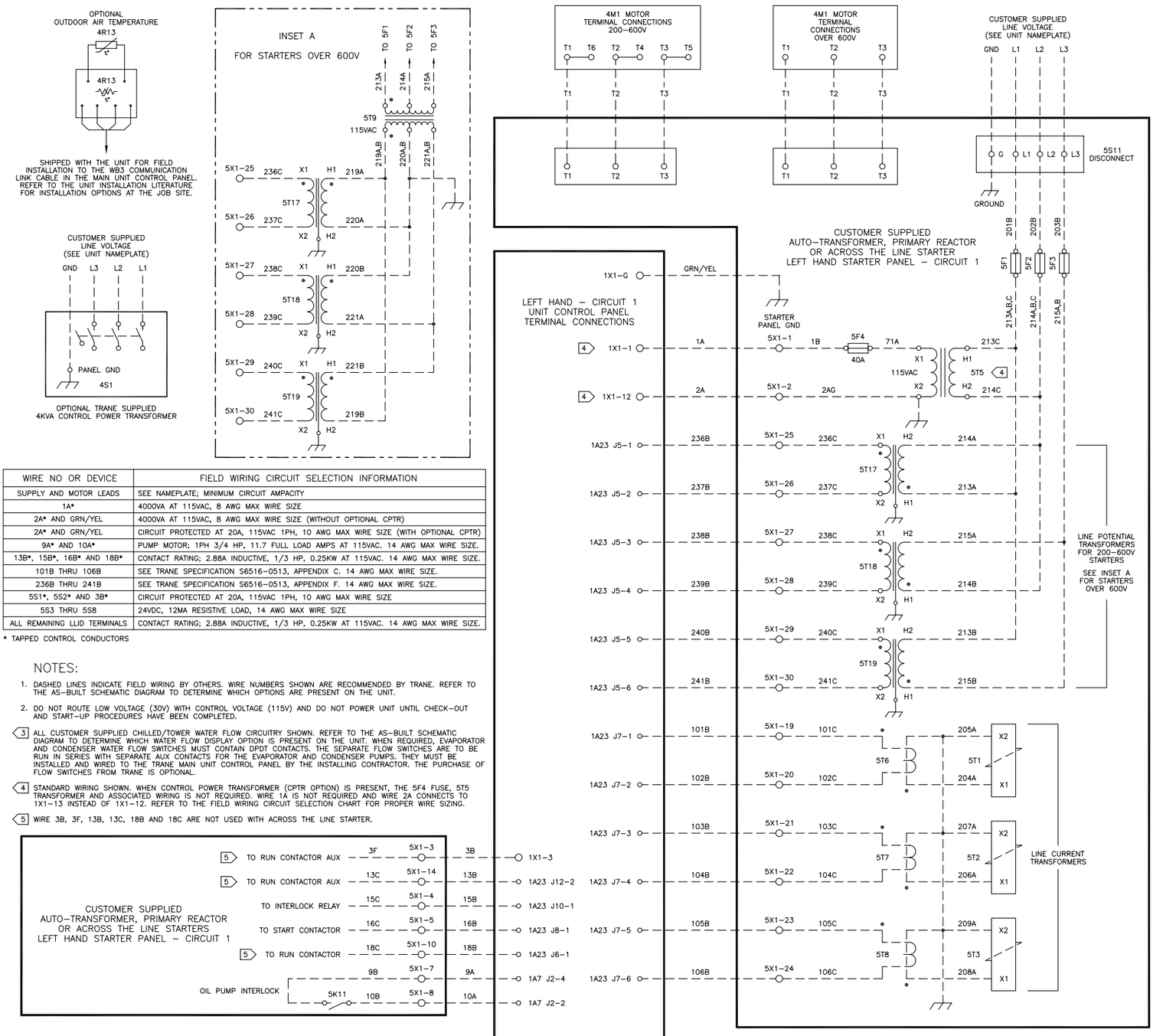

WIRE NO OR DEVICE	FIELD WIRING CIRCUIT SELECTION INFORMATION
SUPPLY AND MOTOR LEADS	SEE NAMEPLATE; MINIMUM CIRCUIT AMPACITY
1A*	4000VA AT 115VAC, 8 AWG MAX WIRE SIZE
2A* AND GRN/YEL	4000VA AT 115VAC, 8 AWG MAX WIRE SIZE (WITHOUT OPTIONAL CPTR)
2A* AND GRN/YEL	CIRCUIT PROTECTED AT 20A, 115VAC 1PH, 10 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.
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 S6516-0513, APPENDIX C. 14 AWG MAX WIRE SIZE.
236B THRU 241B	SEE TRANE SPECIFICATION S6516-0513, APPENDIX F. 14 AWG MAX WIRE SIZE.
5S1*, 5S2* AND 3B*	CIRCUIT PROTECTED AT 20A, 115VAC 1PH, 10 AWG MAX WIRE SIZE
5S3 THRU 5S8	24VDC, 12MA RESISTIVE LOAD, 14 AWG MAX WIRE SIZE
ALL REMAINING LLID 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 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 CONTAIN DPDT CONTACTS. THE SEPARATE FLOW SWITCHES ARE TO BE RUN IN SERIES WITH SEPARATE AUX CONTACTS FOR THE EVAPORATOR AND CONDENSER PUMPS. THEY MUST 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, THE 5F4 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.

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⚠ WARNING

HAZARDOUS VOLTAGE!

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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 À DISTANCE, PUIS SUIVRE LES PROCÉDURES DE VERROUILLAGE ET DES ÉTIQUETTES AVANT TOUTE INTERVENTION. VÉRIFIER QUE TOUS LES CONDENSATEURS DES MOTEURS SONT DÉCHARGÉS. DANS LE CAS D'UNITÉS COMPORTANT DES ENTRAÎNEMENTS À VITESSE VARIABLE, SE REPORTER AUX INSTRUCTIONS DE L'ENTRAÎNEMENT POUR DÉCHARGER LES CONDENSATEURS.

NE PAS RESPECTER CES MESURES DE PRÉCAUTION PEUT ENTRAÎNER DES BLESSURES GRAVES POUVANT ÊTRE MORTELLES.

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

CAUTION

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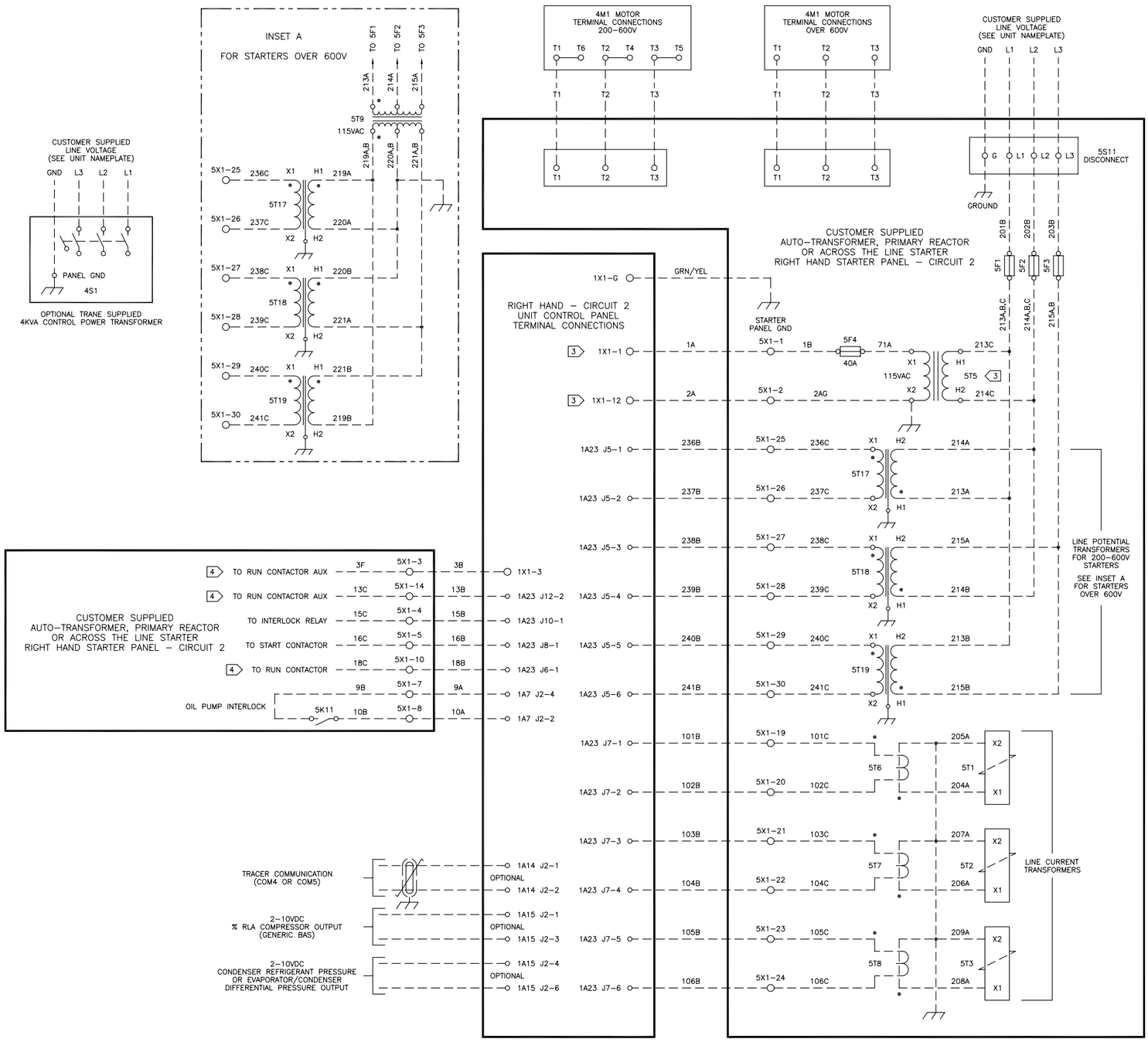
TRANE
TRANE TECHNOLOGIES (NASDAQ: TT)
DALIAN, CHINA
TRANE TECHNOLOGIES (NASDAQ: TT)
LA CROSSE, WISCONSIN
TRANE TECHNOLOGIES (NASDAQ: TT)
TONEY, ALABAMA
TRANE TECHNOLOGIES (NASDAQ: TT)
WINSTON-SALEM, NORTH CAROLINA
DRAWN BY: R. DUCK DATE: 06 AUG 2007
REPLACES:
REVISION DATE:
SIMILAR TO: 2309-2176

CONNECTION DIAGRAM
UNIT FIELD WIRING
CUSTOMER SUPPLIED AUTO-TRANSFORMER, PRIMARY REACTOR OR XL STARTER LEFT HAND STARTER PANEL CIRCUIT 1
CDHP-CDHG UNITS

2311-0564
SHEET 1 OF 1
REV A



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DEVICE PREFIX CODE

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

TRANE
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DRAWN BY: R. DUCK DATE: 06 AUG 2007
REPLACES:
REVISION DATE:
SIMILAR TO: 2309-2176

2311-0564
CONNECTION DIAGRAM
UNIT FIELD WIRING
CUSTOMER SUPPLIED AUTO-TRANSFORMER, PRIMARY REACTOR OR XL STARTER
RIGHT HAND STARTER PANEL - CIRCUIT 2
CDHF-CDHG UNITS

SHEET 1 OF 1
REV A