



TRANE®

DATE: 4-30-96

ABSORPTION LIQUID CHILLER

ABTF HORIZON™ TWO-STAGE STEAM OR HOT WATER ABSORPTION
UNIT SCHEMATIC WIRING DIAGRAM

MAIN POWER CONNECTION, STARTER CONTROL MODULE AND PUMP MOTORS

DRAWING NUMBER
2307-8215

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SHEET 1 OF 5

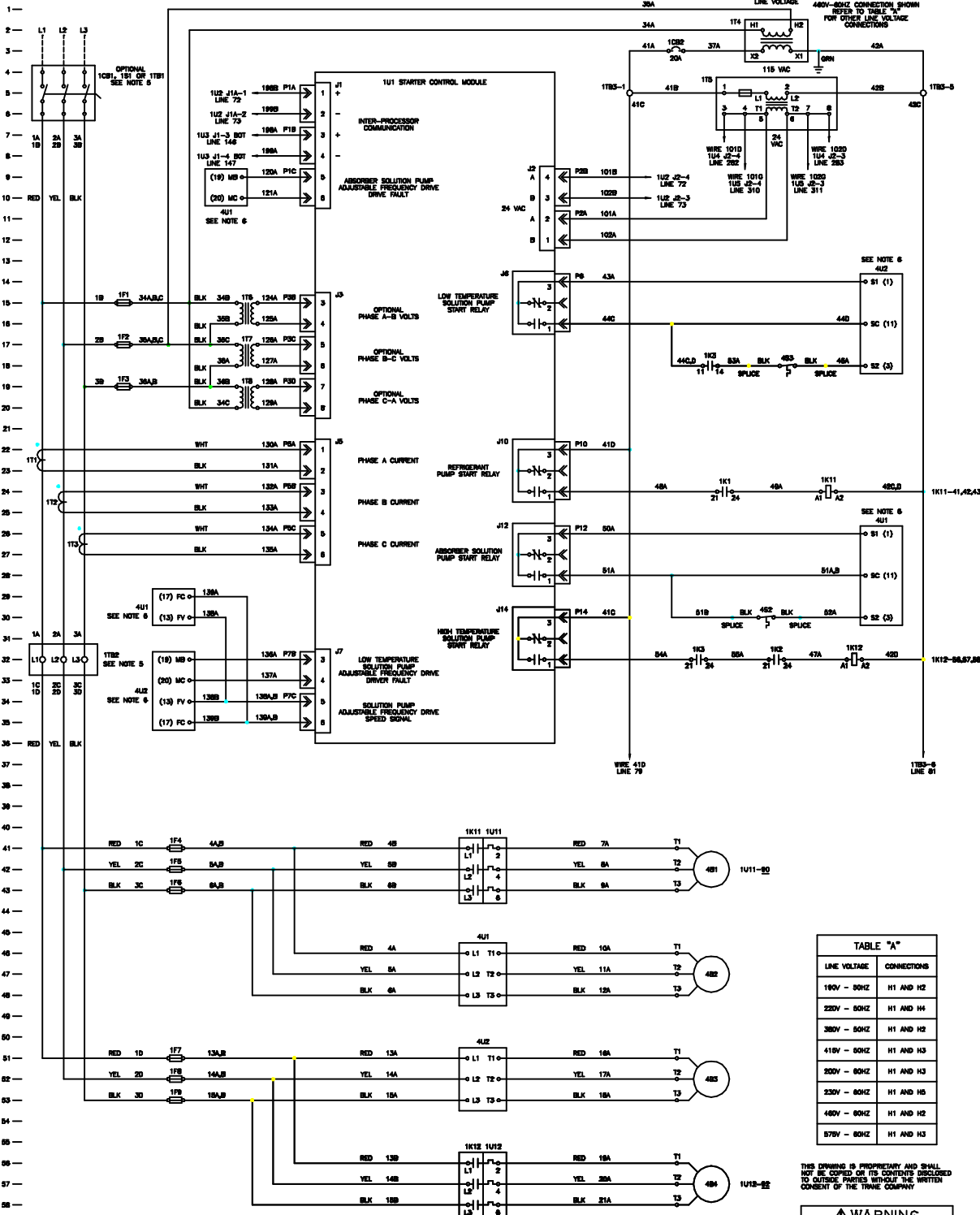


TABLE "A"	
LINE VOLTAGE	CONNECTIONS
190V - 50HZ	H1 AND H2
220V - 50HZ	H1 AND H4
380V - 50HZ	H1 AND H2
415V - 50HZ	H1 AND H3
500V - 50HZ	H1 AND H3
550V - 50HZ	H1 AND H5
575V - 50HZ	H1 AND H3

THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE WRITTEN CONSENT OF THE TRANE COMPANY

WARNING
HAZARDOUS VOLTAGE
DISCONNECT ALL ELECTRIC POWER
INCLUDING REMOTE DISCONNECTS
BEFORE SERVICING.
FAILURE TO DISCONNECT POWER
BEFORE SERVICING CAN CAUSE
SEVERE PERSONAL INJURY OR DEATH.

AVERTISSEMENT
DANGER
DÉCONNECTEZ TOUTES LES SOURCES
ÉLECTRIQUES INCLUANT LES
DISCONNECTS RÉMOTS
AVANT D'EFFECTUER L'ENTRETIEN.
L'ÉLECTRICITÉ EN TENSION
PEUT CAUSER DES BLESSURES
CORPORELLES SÉVÈRES
OU LA MORT.

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.

NOTE:

- SOLID LINES INDICATE WIRING BY THE TRANE COMPANY AND DASHED LINES INDICATE FIELD WIRING PROVIDED BY CUSTOMER. REFER TO UNIT FIELD WIRING LAYOUT AND CONNECTION DIAGRAMS TO DETERMINE THE ACTUAL CUSTOMER SUPPLIED DEVICES AND WIRING REQUIRED ON THE UNIT.
- NUMBERS ALONG THE RIGHT SIDE OF THE SCHEMATIC DESIGNATE THE LOCATION OF DEVICE CONTACTS BY LINE NUMBER. AN UNDERLINED NUMBER INDICATES A NORMALLY CLOSED CONTACT.
- UNLESS OTHERWISE SPECIFIED, ALL SWITCHES ARE SHOWN AT 25°C (77°F), AT ATMOSPHERIC PRESSURE, AT 50% RELATIVE HUMIDITY, WITH ALL UTILITIES TURNED OFF AND AFTER A NORMAL SHUTDOWN HAS OCCURRED.
- ALL TRANE DEVICES AND ASSOCIATED WIRING MARKED AS OPTIONAL MAY NOT BE PRESENT ON THE UNIT UNLESS REQUIRED BY CONTROL OPTIONS SPECIFIED ON THE SALES ORDER. REFER TO THE AS-BUILT SCHEMATIC WIRING DIAGRAM SUPPLIED WITH THE UNIT TO DETERMINE OPTIONAL TRANE DEVICES AND WIRING ACTUALLY SUPPLIED ON THE UNIT.
- 181 HORN-PULSED DISCONNECT SWITCH SHOWN. OPTIONAL LINE VOLTAGE POWER CONNECTIONS MAY BE TO A 161 PULSED DISCONNECT SWITCH. 171H TERMINAL BLOCK OR 1031 CIRCUIT BREAKER AS SPECIFIED ON THE SALES ORDER FOR THE UNIT. IF THE 171H TERMINAL BLOCK IS SPECIFIED FOR LINE VOLTAGE POWER CONNECTION, THE 172H TERMINAL BLOCK SHOWN IS NOT PRESENT AND 174 THRU 179 FUSE WIRING WILL PASS THRU 171, 172 AND 173 PHASE CURRENT TRANSFORMERS AND CONNECT DIRECTLY TO THE 171H TERMINAL BLOCK.
- 4U1 AND 4U2 DEVICE TERMINALS SHOWN ARE USED ON ALL UNIT LINE VOLTAGES EXCEPT 575V-60HZ. WHEN UNIT LINE VOLTAGE IS 575V-60HZ, DEVICE TERMINALS SHOWN IN PARENTHESES ARE USED.

DEVICE PREFIX CODES:

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