

ABSORPTION LIQUID CHILLER

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

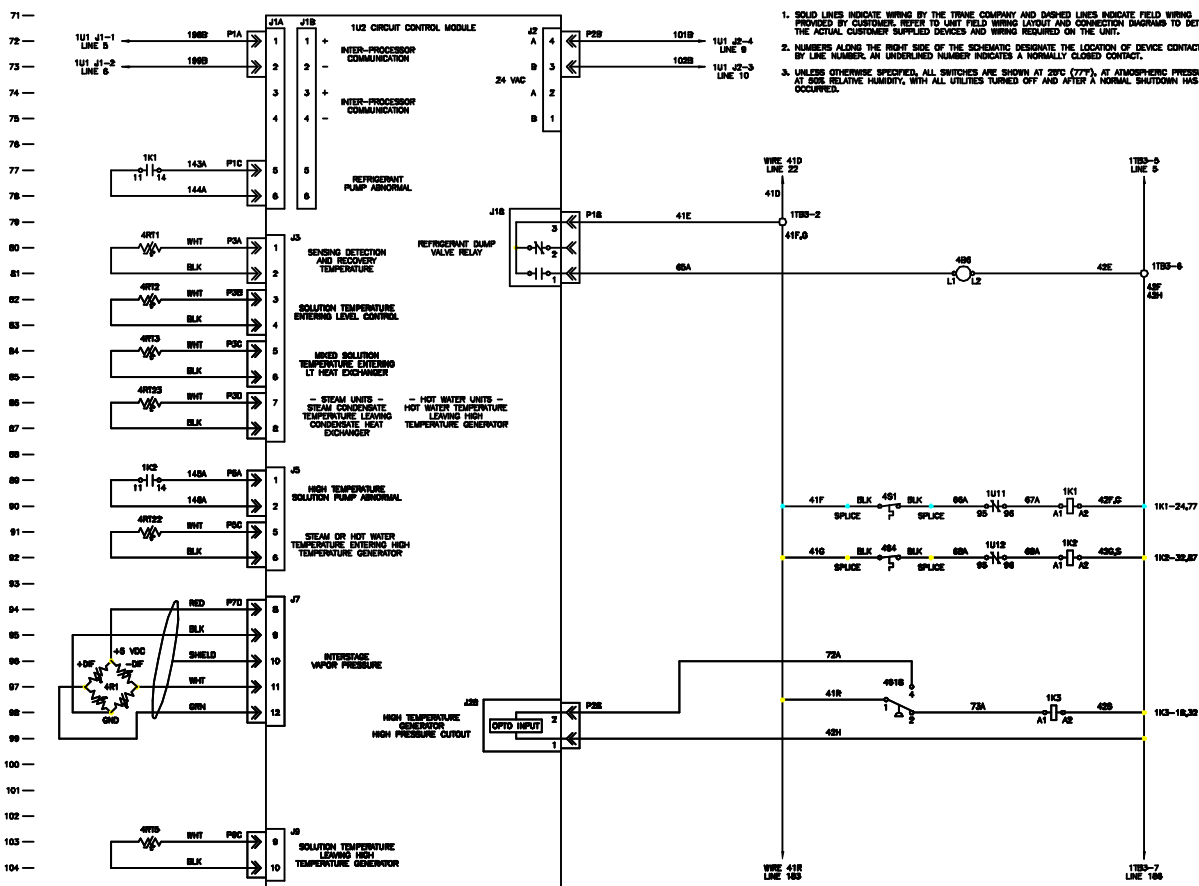
DATE: 4-30-96

CIRCUIT CONTROL MODULE AND DEVICE DESCRIPTIONS

DRAWING NUMBER	REV
2307-8216	E
SHEET 2 OF 5	

NOTE:

1. SOLID LINES INDICATE WIRING BY THE TRANE FIELD WIRING 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.
2. 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.
3. UNLESS OTHERWISE SPECIFIED, ALL SWITCHES ARE SHOWN AT 28°C (77°F), AT ATMOSPHERIC PRESSURE, AT 50% RELATIVE HUMIDITY, WITH ALL UTILITIES TURNED OFF AND AFTER A NORMAL SHUTDOWN HAS OCCURRED.

[illegible][illegible]

DEVICE	DEVICE DESCRIPTION	PAGE NO.
4TB4	PURGE CONTROL TERMINAL STRIP	4
4U1	ABSORBER SOLUTION PUMP ADJUSTABLE FREQUENCY DRIVE	1
4Z2	LOW TEMP SOLUTION PUMP ADJUSTABLE FREQUENCY DRIVE	1
BR1	OUTDOOR AIR TEMP SENSOR	3
BU1	REMOTE CLEAR LANGUAGE DISPLAY PANEL	5
CB01	FLAME ALARM INDICATOR LIGHT	4
CB1	HOT WATER PUMP MOTOR STARTER	3
CB2	CHILLED WATER PUMP MOTOR STARTER	3
CB3	CONDENSER AND ABSORBER WATER PUMP MOTOR STARTER	3
CB4	SOLUTION PUMP RUNNING STATUS RELAY	3
CB5	MACHINE MANUAL RESET ALARM STATUS RELAY	3
CB6	UNIT WARNING STATUS RELAY	3
CB7	FLAME AUTOMATIC RESET ALARM STATUS RELAY	3
CB8	HEAD RELIEF REQUEST STATUS RELAY	5
CB9	MAXIMUM CAPACITY STATUS RELAY	5
CK11	TRACER CONTROLLED RELAY	5
CK12	TOWER TEMPERATURE LOW RELAY	5
CR1	TRACER TEMP SENSOR	5
DR1	UNIT EXTERNAL AUTO STOP SWITCH	3
DR2	UNIT EMERGENCY STOP SWITCH	3
ES8	CHILLED WATER FLOW SWITCH	3
ES9	CONDENSER AND ABSORBER WATER FLOW SWITCH	3

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⚠ 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
VOLTAGE HAUBARDEU
DECONNECTEZ TOUTES LES SOURCES
ELECTRIQUES INCLUANT LES
DISCONNECTEURS A DISTANCE
AVANT D'ENTREPRENDRE L'ENTRETIEN.
L'ABSENCE DE DECONNECTER LA SOURCE
ELECTRIQUE AVANT D'EFFECTUER
L'ENTRETIEN PEUT ENTRAÎNER DES
BLESSURES CORPORELLES SEVERES

CAUTION

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.

DEVICE PREFIX CODE:

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