NOTES :

1. UNLESS OTHERWISE NOTED, 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.
2. DASHED LINES INDICATE RECOMMENDED FIELD WIRING BY OTHERS. DASHED LINED ENCLOSURES AND/OR DASHED DEVICE OUTLINES INDICATE COMPONENTS PROVIDED BY THE FIELD. PHANTOM LINED ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS. SOLID LINES INDICATE WIRING BY TRANE.
3. ALL FIELD WIRING MUST BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC). STATE AND LOCAL REQUIREMENTS. ALL FIELD WIRING MUST HAVE AN INSULATION VOLTAGE RATING THAT EQUALS OR EXCEEDS UNIT RATED VOLTAGE.

4 ELECTRIC HEAT SCHEMATIC IS LOCATED IN THE ELECTRIC HEAT CONTROL BOX PANEL.

5 WIRING SHOWN IS FOR ONE STAGE ELECTRIC HEAT.

6 WIRING SHOWN IS FOR HYDRONIC OR STEAM COIL, DAMPER CONTROL W/O EH
FOR DX COIL,DAMPER CONTROL W/O EH SEE INSET G,
FOR DX CONTROL NO DAMPER W/O EH SEE INSET C,
FOR NO DX NO DAMPER SEE INSET D

10 WIRING SHOWN IS FOR NON 2 PIPE CHANGE OVER SYSTEM, FOR 2 PIPE CHANGE OVER SYSTEM/2 PIPE CHANGEOVER W/AUX HEAT SYSTEM SEE INSET B

11 USE CLASS 2 WIRING.

13 WIRING SHOWN IS FIELD SUPPLIED 2 POSITION N.C DAMPER.

16 WIRING SHOWN IS FOR DAMPER CONTROL, FOR NO DAMPER CONTROL SEE INSET F

20 FIELD SUPPLIED ACTUATOR WIRING UTILIZES THE SAME CONNECTION POINTS AS FACTORY ACTUATOR WIRING.

22 USE NORMALLY CLOSED DAMPER

23 FIELD INSTALLED CONDENSING UNIT CAN BE WIRED BETWEEN TERMINALS 1TB1-1 TO 1TB1-2 FOR SINGLE STAGE. REMOVE RESTISTOR 1R1 PRIOR TO WIRING CONDENSOR.

24 WIRING SHOWN IS FOR FACTORY AND FIELD INSTALLED 2 POSITION VALVE. FOR DX COIL SEE INSET A

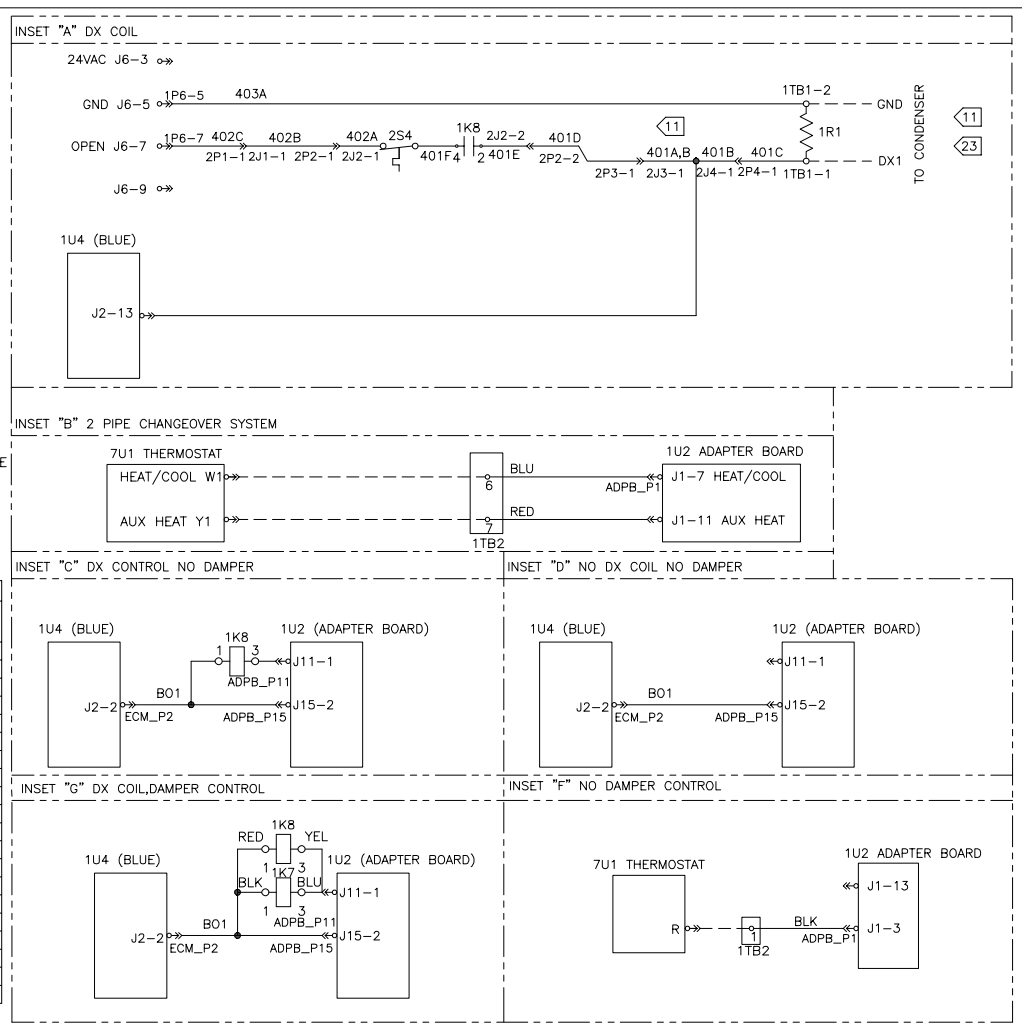
26 WIRING SHOWN IS FOR CONDENSATE OVERFLOW SW, FOR W/O OVERFLOW SW SEE INSET H

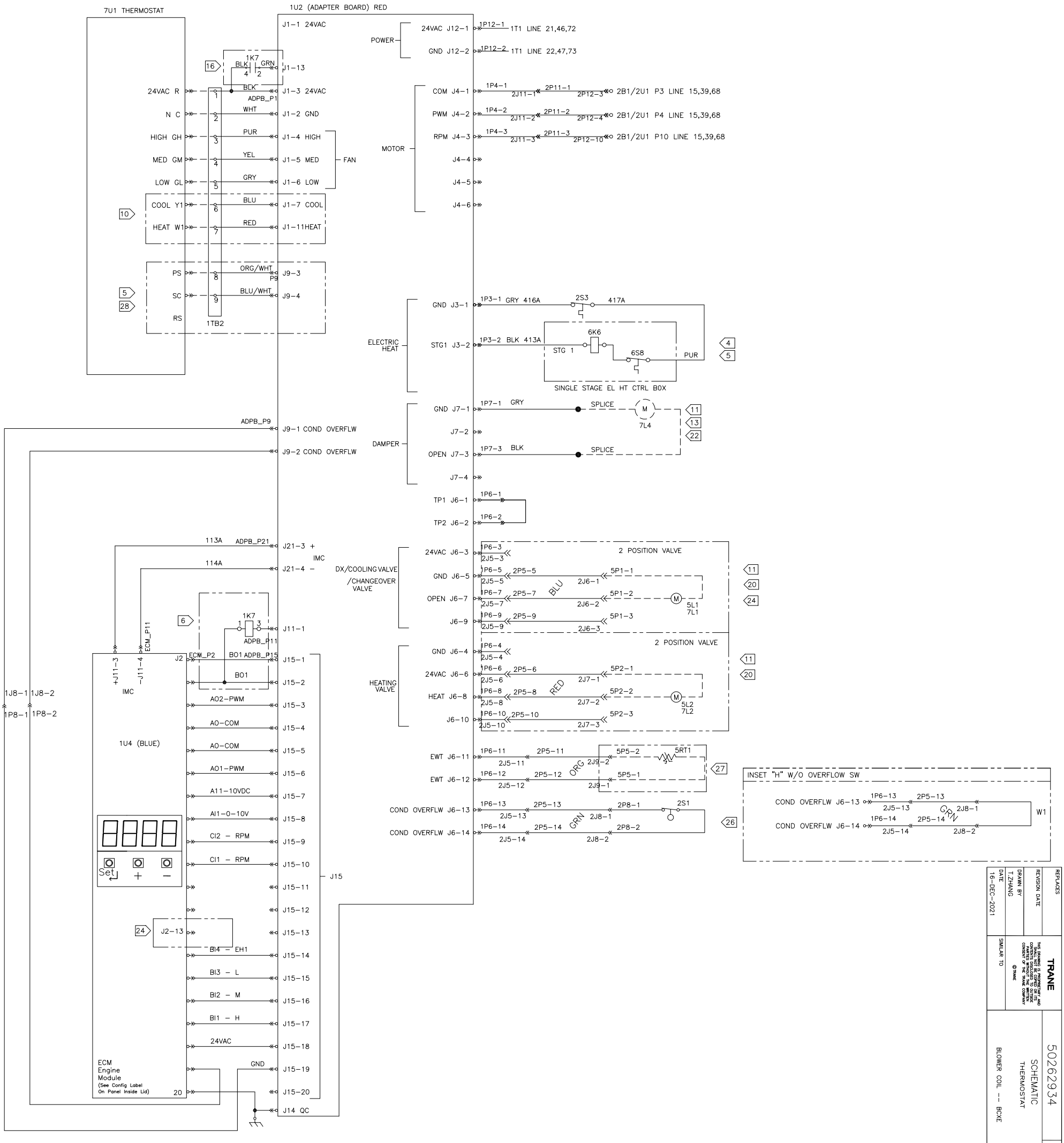
27 WIRING SHOWN IS FOR 2 PIPE CHANGEOVER SYSTEMS W/ ENTERING WATER TEMP SENSOR, FOR UNITS THAT ARE NOT 2 PIPE CHANGEOVER, DO NOT CONNECT ENTERING WATER TEMP SENSOR.

28 WIRING SHOWN IS FOR FIELD CONNECTION OF PIPE SENSOR (PS) FOR 2 PIPE SYSTEMS WITH CHANGE OVER COIL W/ OR W/O AUX HEAT.
FOR OTHER CONFIGURATIONS, PS CONNECTION TO TSTAT IS NOT REQUIRED.

DEVICE PREFIX LOCATION CODE	
AREA	LOCATION
1	MAIN CONTROL PANEL
2	SUPPLY FAN AND COIL SECTION
3	
4	MIXING BOX
5	EXTERNAL PIPING
6	ELECTRIC HEAT CONTROL BOX
7	FIELD INSTALLED DEVICE

LEGEND		
DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
7U1	THERMOSTAT	82,92,97
1U2	ADAPTER BOARD	84,87,93,98
1U4	ENGINE BOARD	79,87,93,125
2S3	EL HT LOCKOUT SWITCH	110
2S4	DX FROSTSTAT	75
6K6	CONTACTOR; EL HT STG 1	112
6S8	EL HT HIGH TEMP	113
5L1/7L1	COOLING COIL VALVE MOTOR	123
5L2/7L2	HEATING COIL VALVE MOTOR	127
1TB1	DX TERMINAL BLOCK	75
1R1	DX RESISTOR	75
1TB2	T.B FOR WALL MOUNT	83,93,103
2S1	CONDENSATE OVERFLOW SWTCH	132
5RT1	ENTERING WATER TEMP SENSOR	130
1K7	DAMPER CONTROL RELAY	93,99,124
7L4	DAMPER ACTUATOR	114
1K8	DX CONTROL RELAY	76,87,92
W1	OFSW JUMPER	133





REPLACES

REVISION DATE

DRAWN BY T.ZHANG

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SIMILAR TO

TRANE

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SCHEMATIC THERMOSTAT

BLOWER COIL -- BCXE

REV B