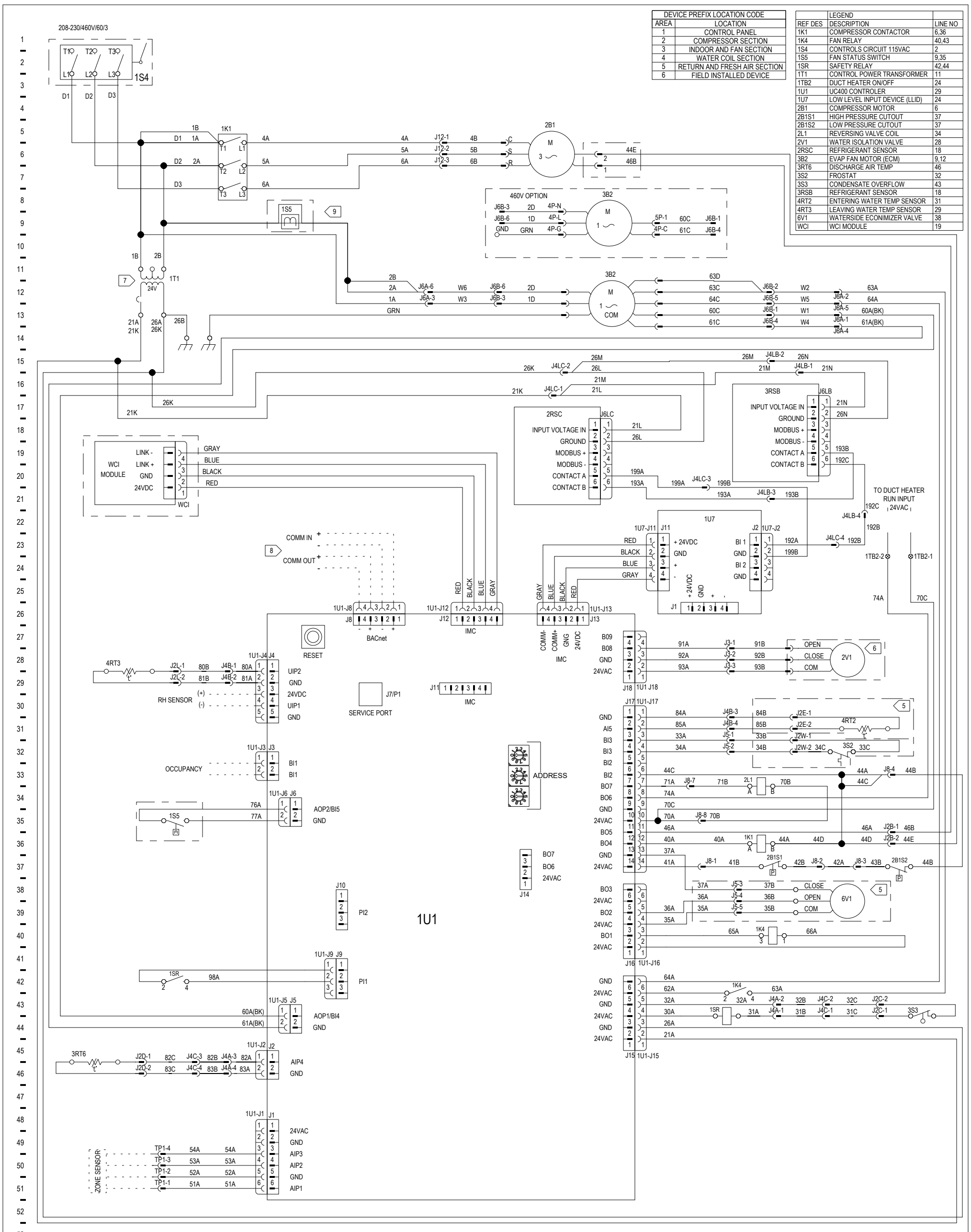
DEVICE PREFIX LOCATION CODE	
AREA	LOCATION
1	CONTROL PANEL
2	COMPRESSOR SECTION
3	INDOOR AND FAN SECTION
4	WATER COIL SECTION
5	RETURN AND FRESH AIR SECTION
6	FIELD INSTALLED DEVICE

	LEGEND	
REF DES	DESCRIPTION	LINE NO
1K1	COMPRESSOR CONTACTOR	6,36
1K4	FAN RELAY	40,43
1S4	CONTROLS CIRCUIT 115VAC	2
1S5	FAN STATUS SWITCH	9,35
1SR	SAFETY RELAY	42,44
1T1	CONTROL POWER TRANSFORMER	11
1TB2	DUCT HEATER ON/OFF	24
1U1	UC400 CONTROLER	29
1U7	LOW LEVEL INPUT DEVICE (LLID)	24
2B1	COMPRESSOR MOTOR	6
2B1S1	HIGH PRESSURE CUTOUT	37
2B1S2	LOW PRESSURE CUTOUT	37
2L1	REVERSING VALVE COIL	34
2V1	WATER ISOLATION VALVE	28
2RSC	REFRIGERANT SENSOR	18
3B2	EVAP FAN MOTOR (ECM)	9,12
3RT6	DISCHARGE AIR TEMP	46
3S2	FROSTAT	32
3S3	CONDENSATE OVERFLOW	43
3RSB	REFRIGERANT SENSOR	18
4RT2	ENTERING WATER TEMP SENSOR	31
4RT3	LEAVING WATER TEMP SENSOR	29
6V1	WATERSIDE ECONIMIZER VALVE	38
WCI	WCI MODULE	19



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 LINE ENCLOSURES AND/OR DASHED DEVICE OUTLINES INDICATE COMPONENTS PROVIDED BY THE FIELD. PHANTOM LINE ENCLOSURES INDICATE ALTERNATE CIRCUITRY OR AVAILABLE SALES OPTIONS. SOLID LINE INDICATES WIRING BY TRANE CO.
3. NUMBERS ALONG THE RIGHT SIDE OF THE SCHEMATIC DESIGNATE THE LOCATION OF CONTACTS BY THE LINE NUMBER. AN UNDERLINED NUMBER INDICATES A NORMALLY CLOSED CONTACT. AN OPEN ARROW BELOW THE LINE NUMBER POINTING UPWARD INDICATES A TIMED CONTACT WHICH BEGINS TIMING WHEN ENERGIZED.
4. ALL FIELD WIRING MUST BE IN ACCORDANCE WITH THE NATIONAL ELECTRIC CODE (NEC), STATE AND LOCAL REQUIREMENTS. ALL LOW VOLTAGE FIELD CONNECTIONS ARE CLASS 2.

5. WSE VALVE PLUG AND ENTERING WATER SENSOR BULB ARE COILED UP BEHIND CONTROL BOX. SENSOR BULB MUST BE FIELD MOUNTED ON ENTERING WATER LINE OF WSE VALVE.
6. FOR TWO WIRE VALVES CONNECT TO WIRES 91B AND 93B
7. FOR 208/230V UNITS TRANSFORMER IS FACTORY WIRED FOR 230V. FOR 208V APPLICATION MOVE PRIMARY WIRE FROM THE 230V TAB TO THE 208V TAB.
8. USE 18 AWG (25PF/FT. NOM.) COMMUNICATION WIRE STYLE _ BRAID OR FOIL SHIELDED TWISTED PAIR, IMPEDANCE _ 60.7 OHMS, 4,000 FT. MAXIMUM LENGTH CAUTION! DO NOT RUN POWER IN THE SAME CONDUIT WITH COMMUNICATION WIRE
9. WIRE 2A MUST PASS THROUGH DEVICE CENTRE 2 TIMES FOR PROPER OPERATION.

⚠ 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 STORED VOLTAGE. UNITS WITH 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 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 VARAIBLE, 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.

⚠ ADVERTENCIA

¡VOLTAJE PELIGROSO!

DESCONECTE TODA LA ENERGÍA ELÉCTRICA, INCLUSO LAS DESCONEXIONES REMOTAS Y SIGA LOS PROCEDIMIENTOS DE CIERRE Y ETIQUETADO ANTES DE PROCEDER AL SERVICIO. ASEGÚRESE DE QUE TODOS LOS CAPACITORES DEL MOTOR HAYAN DESCARGADO EL VOLTAJE ALMACENADO. PARA LAS UNIDADES CON EJE DE DIRECCIÓN DE VELOCIDAD VARIABLE, CONSULTE LAS INSTRUCCIONES PARA LA DESCARGA DEL CONDENSADOR.

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

DESIGNER: SULTHAN MOHIDDIN	TRANE ®	WSHP SCHEMATIC DIAGRAM 400B E-HEAT, LDS, 3PH GE/EX/DX		
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