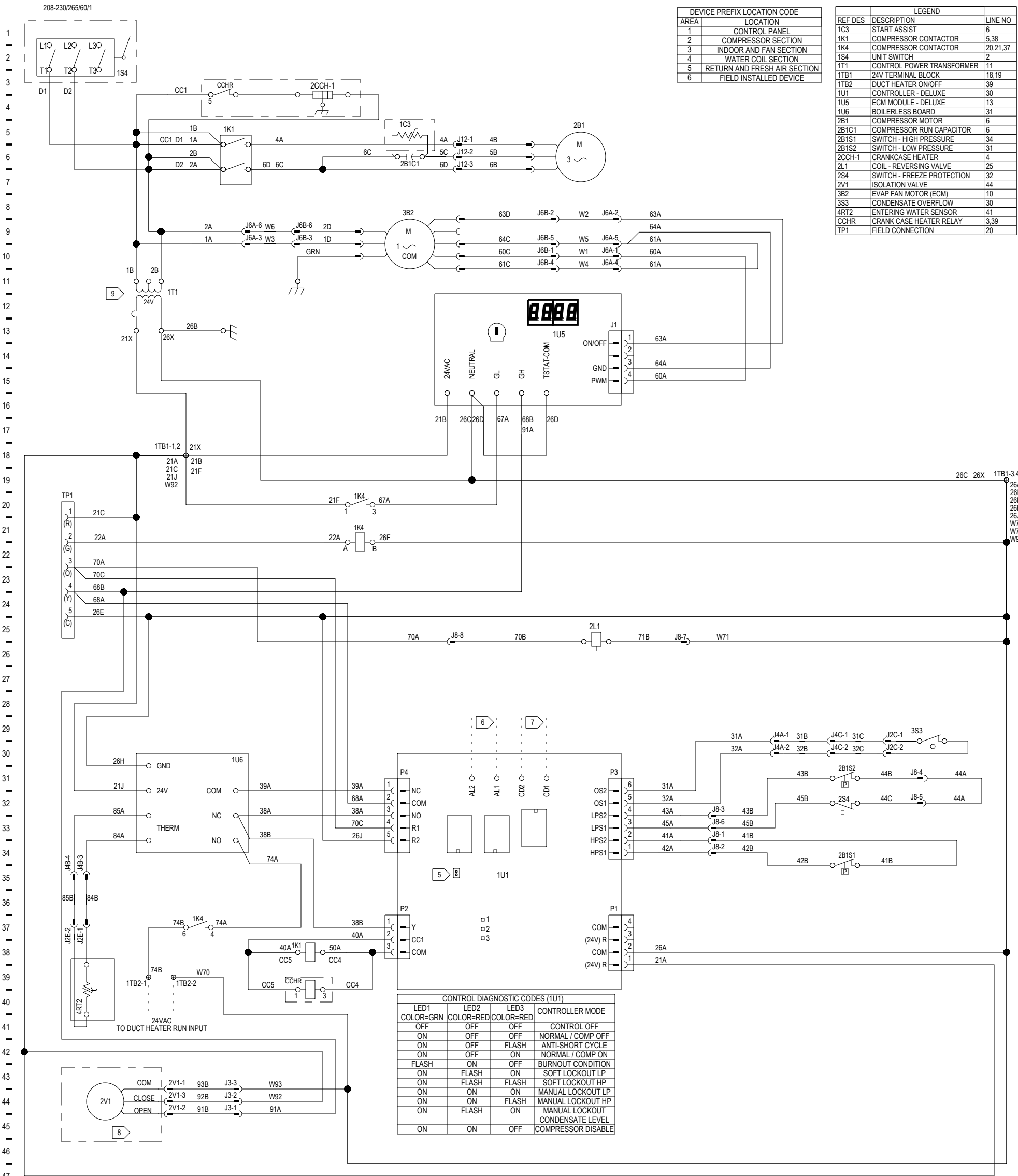




DEVICE PREFIX LOCATION CODE	
AREA	LOCATION
1	CONTROL PANEL
2	COMPRESSOR SECTION
3	INDOOR AND FAN SECTION
4	WATER COIL SECTION
5	RETURN AND FRESH AIR SECTION
6	FIELD INSTALLED DEVICE

LEGEND		
REF DES	DESCRIPTION	LINE NO
1C3	START ASSIST	6
1K1	COMPRESSOR CONTACTOR	5,38
1K4	COMPRESSOR CONTACTOR	20,21,37
1S4	UNIT SWITCH	2
1T1	CONTROL POWER TRANSFORMER	11
1TB1	24V TERMINAL BLOCK	18,19
1TB2	DUCT HEATER ON/OFF	39
1U1	CONTROLLER - DELUXE	30
1U5	ECM MODULE - DELUXE	13
1U6	BOILERLESS BOARD	31
2B1	COMPRESSOR MOTOR	6
2B1C1	COMPRESSOR RUN CAPACITOR	6
2B1S1	SWITCH - HIGH PRESSURE	34
2B1S2	SWITCH - LOW PRESSURE	31
2CCH-1	CRANKCASE HEATER	4
2L1	COIL - REVERSING VALVE	25
2S4	SWITCH - FREEZE PROTECTION	32
2V1	ISOLATION VALVE	44
3B2	EVAP FAN MOTOR (ECM)	10
3S3	CONDENSATE OVERFLOW	30
4RT2	ENTERING WATER SENSOR	41
CCHR	CRANK CASE HEATER RELAY	3,39
TP1	FIELD CONNECTION	20

CONTROL DIAGNOSTIC CODES (1U1)			
LED1	LED2	LED3	CONTROLLER MODE
COLOR=GRN	COLOR=RED	COLOR=RED	
OFF	OFF	OFF	CONTROL OFF
ON	OFF	OFF	NORMAL / COMP OFF
ON	OFF	FLASH	ANTI-SHORT CYCLE
ON	OFF	ON	NORMAL / COMP ON
FLASH	ON	OFF	BURNOUT CONDITION
ON	FLASH	ON	SOFT LOCKOUT LP
ON	FLASH	FLASH	SOFT LOCKOUT HP
ON	ON	ON	MANUAL LOCKOUT LP
ON	ON	FLASH	MANUAL LOCKOUT HP
ON	FLASH	ON	MANUAL LOCKOUT
ON	ON	OFF	CONDENSATE LEVEL
ON	ON	ON	COMPRESSOR DISABLE

- NOTES:
- 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.
 - 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.
 - 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.
 - 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 VERIFY TEST JUMPER IS NOT CONNECTED/REMOVED TO PREVENT CONTROL TIMING ERRORS.
- 6 ISOLATED GENERAL ALARM CONTACTS. CONTACTS CLOSE WHEN CONTROL 1U1 GOES INTO MANUAL LOCKOUT MODE. CONTACTS RATED FOR CLASS 2 24V.
- 7 CONNECTION FOR 24VAC CLASS 2 COMPRESSOR DISABLE INPUT.
- 8 FOR TWO WIRE VALVES CONNECT TO WIRES 91B AND 93B. FOR FIELD INSTALLED VALVE WIRES 91B, 92B, AND 93B ARE COILED BEHIND CONTROL BOX.
- 9 FOR 208/230V UNITS TRANSFORMER IS FACTORY WIRED FOR 230V. FOR 208V APPLICATION MOVE PRIMARY WIRE FROM THE 230V TAB TO THE 208V TAB.

⚠ WARNING

HAZARDOUS VOLTAGE!

⚠ AVERTISSEMENT

TENSION DANGEREUSE!

⚠ ADVERTENCIA

¡VOLTAJE PELIGROSO!

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.

COUPER TOUTES LES TENSIONS ET OUVRIR LES SECTIONNEURS A DISTANCE, PUIS SUIVRE LES PROCEDURES DE VERROUILLAGE ET DES ETIQUETTES AVANT TOUTE INTERVENTION. VERIFIER QUE TOUS LES CONDENSATEURS DES MOTEURS SONT DECHARGES. DANS LE CAS D'UNITES COMPORTANT DES ENTRAÎNEMENTS A VITESSE VARIABLE, SE REPORTER AUX INSTRUCTIONS DE L'ENTRAÎNEMENT POUR DECHARGER LES CONDENSATEURS.

NE PAS RESPECTER CES MESURES DE PRECAUTION PEUT ENTRAÎNER DES BLESSURES GRAVES POUVANT ETRE MORTELLES.

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

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

DESIGNER: C JONES
ENGINEER: M COOMBS
TRANE © DATE: 20-DECEMBER-2022
REPLACES:
SIMILAR TO:
REVISION DATE:
REVISED BY:
APPROVED BY: M COOMBS
CAD SYSTEM USED: CREO SCHEMATICS

TRANE®

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WSHP SCHEMATIC DIAGRAM			
GE/EX DELUXE CONTROL - HP W/BOILERLESS E-HEAT ECM - SINGLE PHASE			
MASTER NUMBER:	DRAWING NUMBER:	SHEET:	REV
	23116151	1 OF 1	A