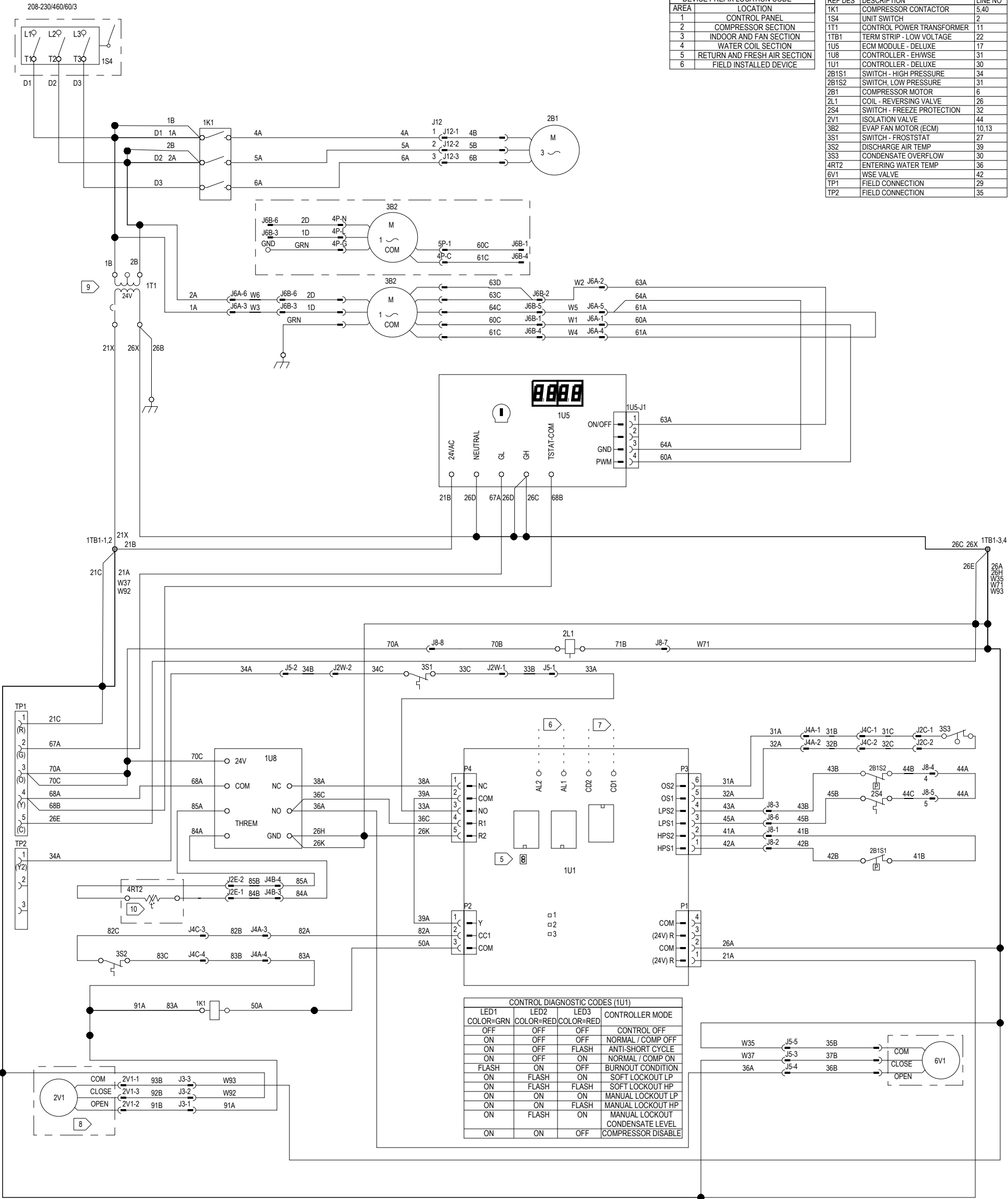


DEVICE PREFIX LOCATION CODE		
AREA	LOCATION	
1	CONTROL PANEL	
2	COMPRESSOR SECTION	
3	INDOOR AND FAN SECTION	
4	WATER COIL SECTION	
5	RETURN AND FRESH AIR SECTION	
6	FIELD INSTALLED DEVICE	

REF	DES	DESCRIPTION	LINE NO
1K1		COMPRESSOR CONTACTOR	5,40
1S4		UNIT SWITCH	2
1T1		CONTROL POWER TRANSFORMER	11
1TB1		TERM STRIP - LOW VOLTAGE	22
1U5		ECM MODULE - DELUXE	17
1U8		CONTROLLER - EHVSE	31
1U1		CONTROLLER - DELUXE	30
2B1S1		SWITCH - HIGH PRESSURE	34
2B1S2		SWITCH, LOW PRESSURE	31
2B1		COMPRESSOR MOTOR	6
2L1		COIL - REVERSING VALVE	26
2S4		SWITCH - FREEZE PROTECTION	32
2V1		ISOLATION VALVE	44
3B2		EVAP FAN MOTOR (ECM)	10,13
3S1		SWITCH - FROSTSTAT	27
3S2		DISCHARGE AIR TEMP	39
3S3		CONDENSATE OVERFLOW	30
4RT2		ENTERING WATER TEMP	36
6V1		WSE VALVE	42
TP1		FIELD CONNECTION	29
TP2		FIELD CONNECTION	35



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. 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.
10. SENSOR BULB COILED UP BEHIND CONTROL BOX. MUST BE FIELD MOUNTED ON ENTERING WATER LINE OF WSE VALVE.

⚠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 OUVRIER LES SECTIONNEURS A DISTANCE, PUIS SUIVRE LES PROCEDURES DE VERROUILLAGE ET DES ETIQUETTES AVANT TOUTE INTERVENTION. VERIFIER QUE TOUTS 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 ELE 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: R JOHNSON	TRANE ®	WSHP SCHEMATIC DIAGRAM GE/EX, DELUXE CONTROL HP W/ WSE ECM - THREE PHASE			
ENGINEER: M COOMBS					
TRANE © DATE: 27-JULY-2021					
REPLACES:					
SIMILAR TO:	THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE WRITTEN CONSENT OF TRANE.	MASTER NUMBER: DRAWING NUMBER: SHEET: REV			
REVISION DATE:					
REVISED BY:					
APPROVED BY: M COOMBS					
CAD SYSTEM USED: CREO SCHEMATICS	IEC DESIGN COMPLIANT		231158511 OF 1A		