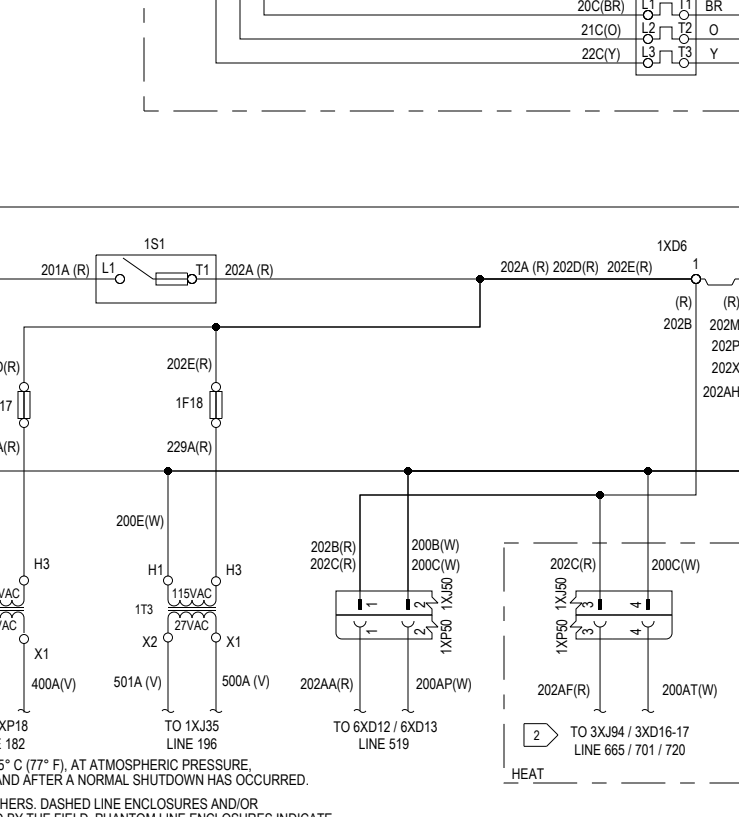
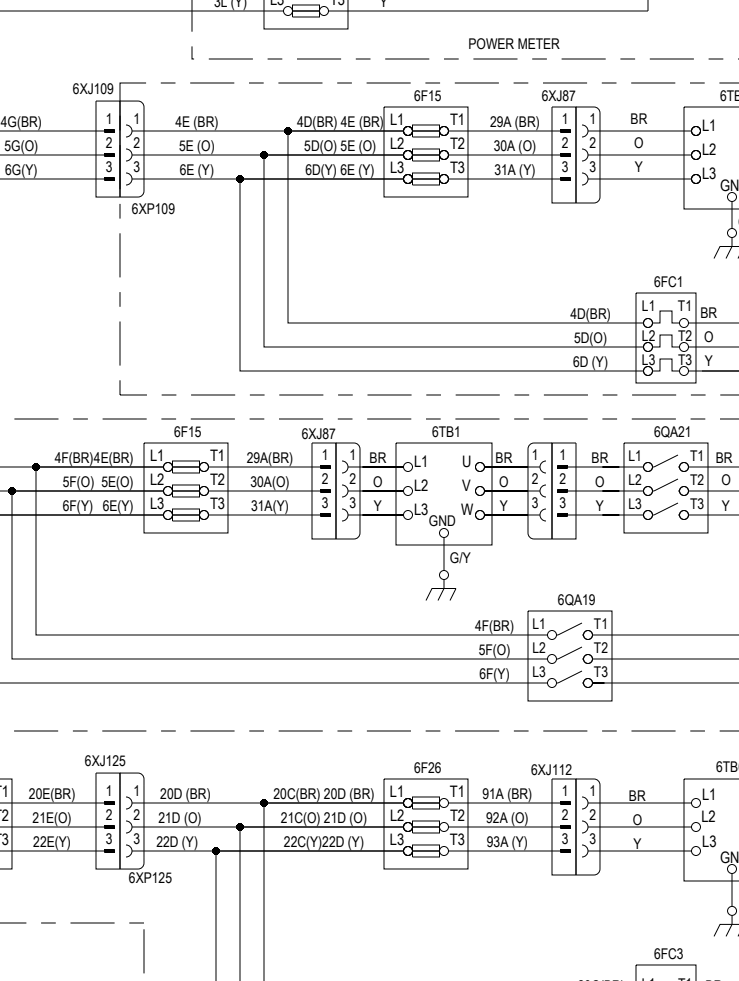
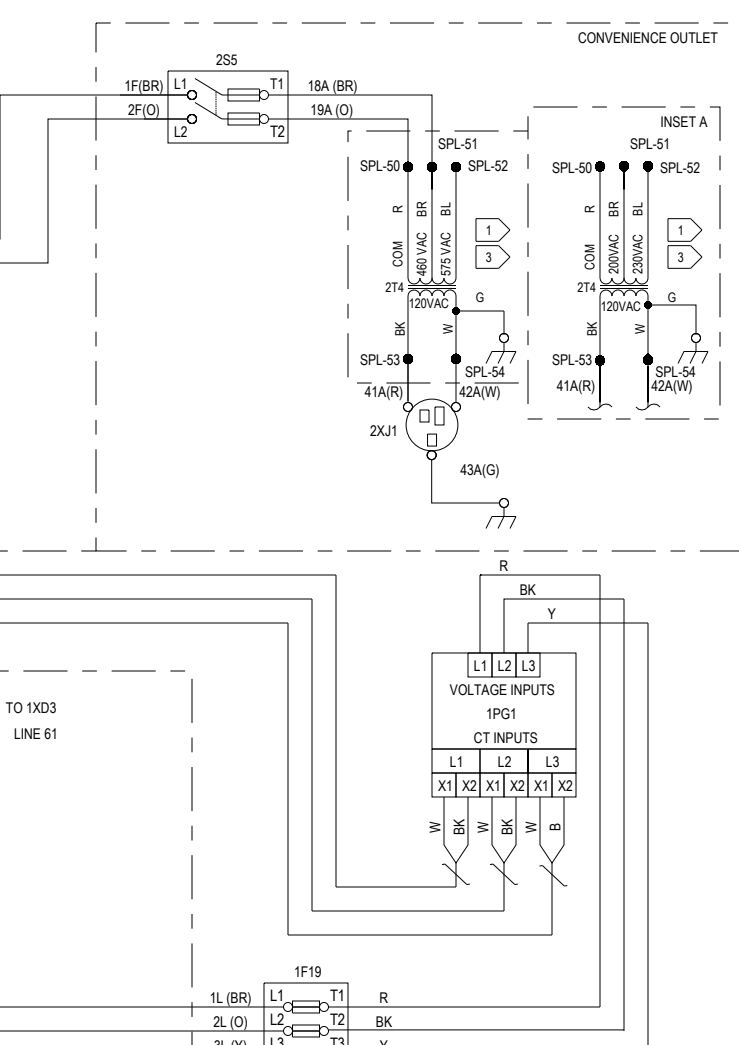
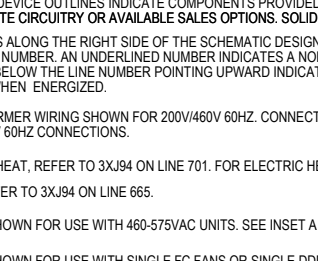
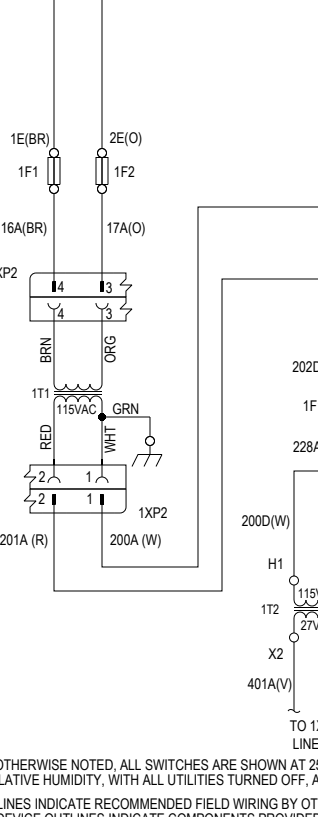
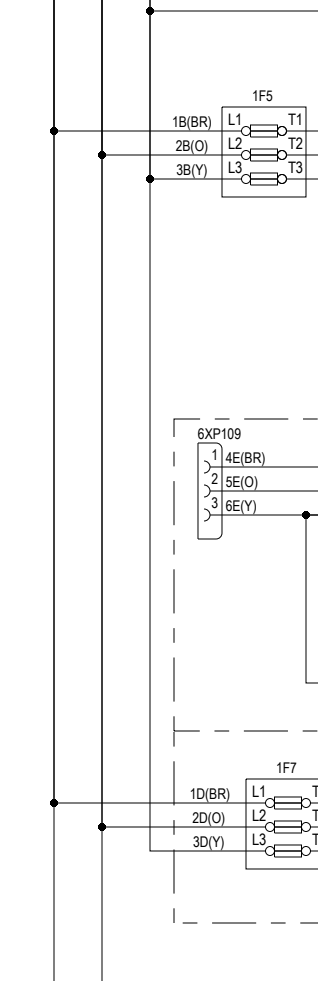
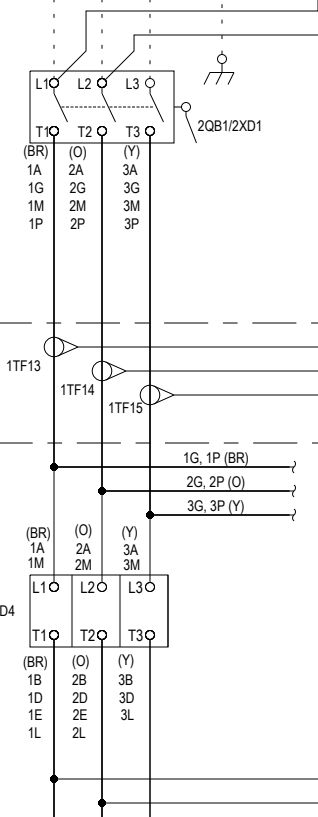
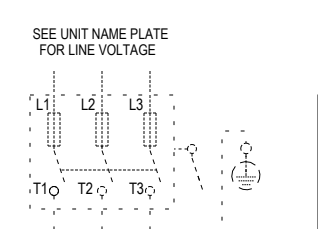


LOCATION CODE			
LOC#	ZONE		
1	CONTROL PANEL		
2	CONDENSER ZONE		
3	HEAT/EXT CASING		
4	SUPPLY FAN ZONE		
5	EVAP/FILTERS		
6	RETURN AIR ZONE		
7	CUSTOMER PROVIDED		

WIRE COLOR ABBREVIATION CODES			
CODE	COLOR	CODE	COLOR
BK	BLACK	PK	PINK
BL	BLUE	R	RED
BR	BROWN	TQ	TURQUOISE
G	GREEN	V.(PR)	PURPLE
GY	GREY	W	WHITE
O	ORANGE	Y	YELLOW

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.

ATTENTION

N'UTILISER QUE DES CONDUCTEURS EN CUIVRE!

LES BORNES DE L'UNIT É NÉ SONT PAS CONÇUES POUR RECEVOIR D'AUTRES TYPES DE CONDUCTEURS.

L'UTILISATION DE TOUT AUTRE CONDUCTEUR PEUT ENDOMMAGER L'ÉQUIPEMENT.

PRECAUCIÓN

¡UTILICE ÚNICAMENTE CONDUCTORES DE COBRE!

LAS TERMINALES DE LA UNIDAD NO ESTÁN DISEÑADAS PARA ACEPTAR OTROS TIPOS DE CONDUCTORES.

SI NO LO HACE. PUEDE OCASIONAR DAÑO AL EQUIPO.

LEGEND		
REF DES	DESCRIPTION	LINE NO
1F1	FUSE - CONTROLS TRANSFORMER	47
1F2	FUSE - CONTROLS TRANSFORMER	47
1F5	FUSEBLOCK - SUPPLY FAN VFD #1	25
1F7	FUSEBLOCK - RELIEF/RETURN FAN VFD	39
1F17	FUSE - 27VAC TRANSFORMER PRIMARY	51
1F18	FUSE - 27VAC TRANSFORMER PRIMARY	51
1F19	FUSEBLOCK - POWER METER	22
1PG1	POWER METER	15
1S1	FUSED SWITCH - 115V CONTROLS	48
1T1	TRANSFORMER - 115V CONTROLS	49
1T2	TRANSFORMER - 27V	55
1T3	TRANSFORMER - 27V	55
1T7	TRANSFORMER - 24V	55
1TF13	TRANSDUCER - CURRENT	12
1TF14	TRANSDUCER - CURRENT	13
1TF15	TRANSDUCER - CURRENT	14
1XD4	TERMINAL BLOCK - AIRFLOW	18
1XD6	TERMINAL BLOCK - 115VAC	49
1XD7	TERMINAL BLOCK - 115VAC COMMON	47
2OB1/2XD1	UNIT DISCONNECT / TERMINAL BLOCK	7
2S5	FUSED SWITCH - CONVENIENCE OUTLET	3
2T4	TRANSFORMER - CONVENIENCE OUTLET	6
2XJ1	CONVENIENCE OUTLET	9
4M12	SUPPLY FAN MOTOR #1	25 32
4M13	SUPPLY FAN MOTOR #2	35
6F15	FUSEBLOCK - SUPPLY FAN VFD #1	25 32
6F26	FUSEBLOCK - RELIEF/RETURN FAN VFD	39
6FC1	OVERLOAD - SUPPLY FAN #1	30 33
6FC2	OVERLOAD - SUPPLY FAN #2	36
6FC3	OVERLOAD - RELIEF/RETURN FAN	44
6M14	RELIEF/RETURN FAN MOTOR	39
6QA19	CONTACTOR - BYPASS SUPPLY FAN VFD #1	29 36
6QA21	CONTACTOR - RUN SUPPLY FAN VFD #1	25 32
6QA38	CONTACTOR - RUN RELIEF/RETURN FAN VFD	39
6QA39	CONTACTOR - BYPASS RELIEF/RETURN FAN VFD	43
6TB1	SUPPLY FAN VFD #1	25 32
6TB6	RELIEF/RETURN FAN VFD	39
6XD25	TERMINAL BLOCK - SUPPLY FAN OVERLOADS	32

- 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.
- 1

TRANSFORMER WIRING SHOWN FOR 200V/460V 60HZ. CONNECT WIRE 18A TO BLUE TRANSFORMER WIRE FOR 230V/575V 60HZ CONNECTIONS.
- 2

FOR GAS HEAT, REFER TO 3XJ94 ON LINE 701. FOR ELECTRIC HEAT, REFER TO 3XD16-17 ON LINE 720. FOR HYDRONIC HEAT, REFER TO 3XJ94 ON LINE 665.
- 3

WIRING SHOWN FOR USE WITH 460-575VAC UNITS. SEE INSET A FOR 200-230VAC UNITS.
- 4

WIRING SHOWN FOR USE WITH SINGLE FC FANS OR SINGLE DDP FANS. SEE INSET B FOR 60-75T UNITS WITH DUAL DDP FANS.

DESIGNER: R JOHNSON
ENGINEER: S MCKINLEY
TRANE © DATE: 28 MAR 2022
REPLACES:

SIMILAR TO:

REVISION DATE: 28 MAR 2022
REVISED BY: R JOHNSON
APPROVED BY: S MCKINLEY
CAD SYSTEM USED: CREO SCHEMATICS

TRANE®

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IPAK1

POWER SCHEMATIC

20-75T AIRFLOW, WITH BYPASS

MASTER NUMBER:

DRAWING NUMBER:

SHEET:

REV

12134353

1 OF 17

C