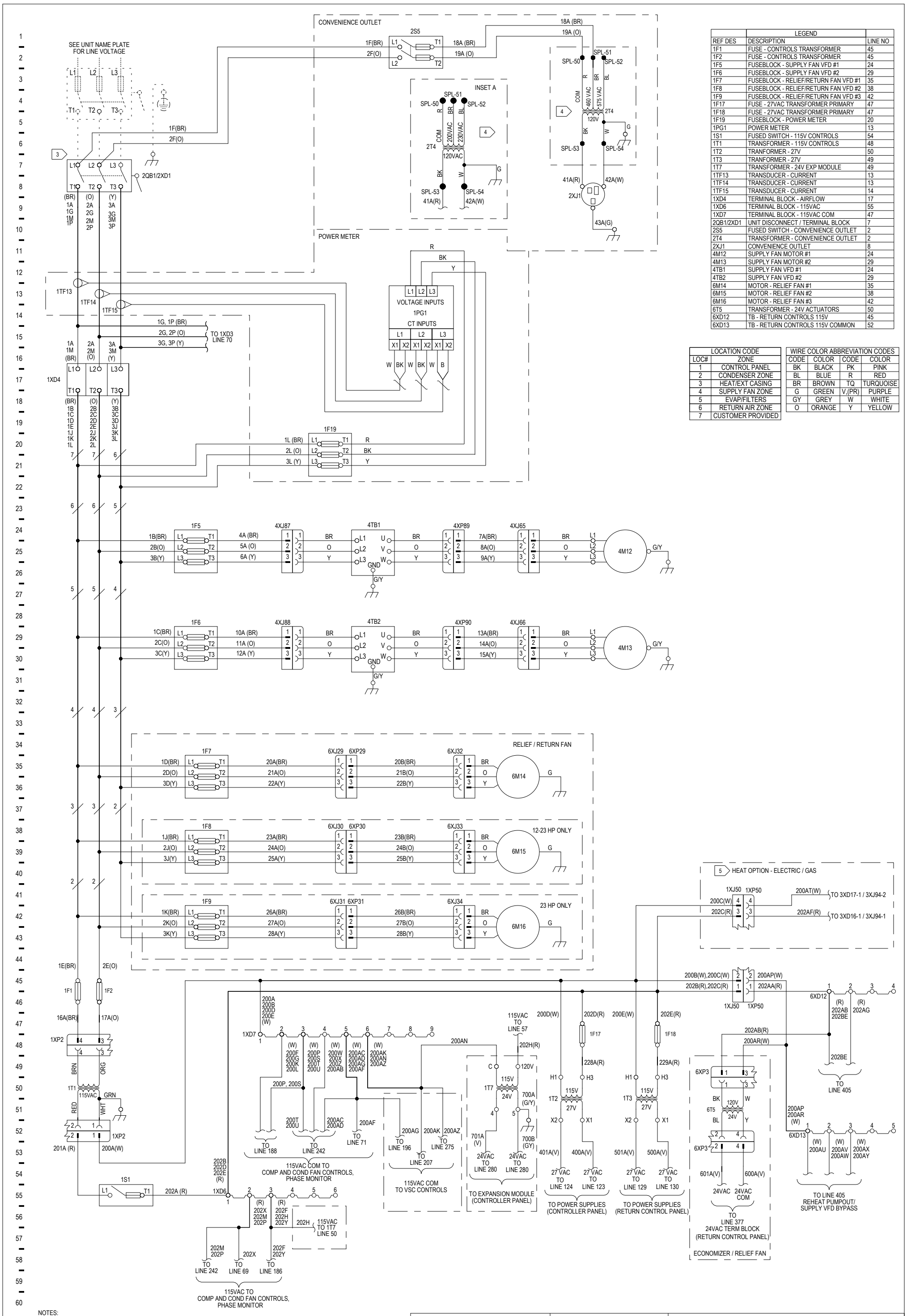

	LEGEND	
REF DES	DESCRIPTION	LINE NO
1F1	FUSE - CONTROLS TRANSFORMER	45
1F2	FUSE - CONTROLS TRANSFORMER	45
1F5	FUSEBLOCK - SUPPLY FAN VFD #1	24
1F6	FUSEBLOCK - SUPPLY FAN VFD #2	29
1F7	FUSEBLOCK - RELIEF/RETURN FAN VFD #1	35
1F8	FUSEBLOCK - RELIEF/RETURN FAN VFD #2	38
1F9	FUSEBLOCK - RELIEF/RETURN FAN VFD #3	42
1F17	FUSE - 27VAC TRANSFORMER PRIMARY	47
1F18	FUSE - 27VAC TRANSFORMER PRIMARY	47
1F19	FUSEBLOCK - POWER METER	20
1PG1	POWER METER	13
1S1	FUSED SWITCH - 115V CONTROLS	54
1T1	TRANSFORMER - 115V CONTROLS	48
1T2	TRANFORMER - 27V	50
1T3	TRANFORMER - 27V	49
1T7	TRANSFORMER - 24V EXP MODULE	49
1TF13	TRANSDUCER - CURRENT	13
1TF14	TRANSDUCER - CURRENT	13
1TF15	TRANSDUCER - CURRENT	14
1XD4	TERMINAL BLOCK - AIRFLOW	17
1XD6	TERMINAL BLOCK - 115VAC	55
1XD7	TERMINAL BLOCK - 115VAC COM	47
2QB1/2XD1	UNIT DISCONNECT / TERMINAL BLOCK	7
2S5	FUSED SWITCH - CONVENIENCE OUTLET	2
2T4	TRANSFORMER - CONVENIENCE OUTLET	2
2XJ1	CONVENIENCE OUTLET	8
4M12	SUPPLY FAN MOTOR #1	24
4M13	SUPPLY FAN MOTOR #2	29
4TB1	SUPPLY FAN VFD #1	24
4TB2	SUPPLY FAN VFD #2	29
6M14	MOTOR - RELIEF FAN #1	35
6M15	MOTOR - RELIEF FAN #2	38
6M16	MOTOR - RELIEF FAN #3	42
6T5	TRANSFORMER - 24V ACTUATORS	50
6XD12	TB - RETURN CONTROLS 115V	45
6XD13	TB - RETURN CONTROLS 115V COMMON	52

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

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 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.

4 TRANSFORMER WIRING SHOWN FOR 200V/460V 60HZ. CONNECT WIRE 18A TO BLUE TRANFORMER WIRE FOR 230V/575V 60HZ CONNECTIONS. SEE INSET 1A FOR200-230V/60HZ CONNECTIONS

5 SEE APPLICABLE HEATING SECTION DIAGRAMS FOR BALANCE OF CIRCUIT.

DESIGNER: T. PEED	TRANE ®	IPAK3
ENGINEER: E. CAROTA		POWER SCHEMATIC
TRANE © DATE: 3/13/2024		FAN AND CONTROLS
REPLACES:		SUPPLY VFD WITHOUT BYPASS
SIMILAR TO:	THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE WRITTEN CONSENT OF TRANE.	
REVISION DATE: 5/24/2024		
REVISED BY: T. PEED		
APPROVED BY: E. CAROTA		
CAD SYSTEM USED: CREO SCHEMATICS		

MASTER NUMBER:	DRAWING NUMBER:	SHEET:	REV
	12134995	1 OF 16	B