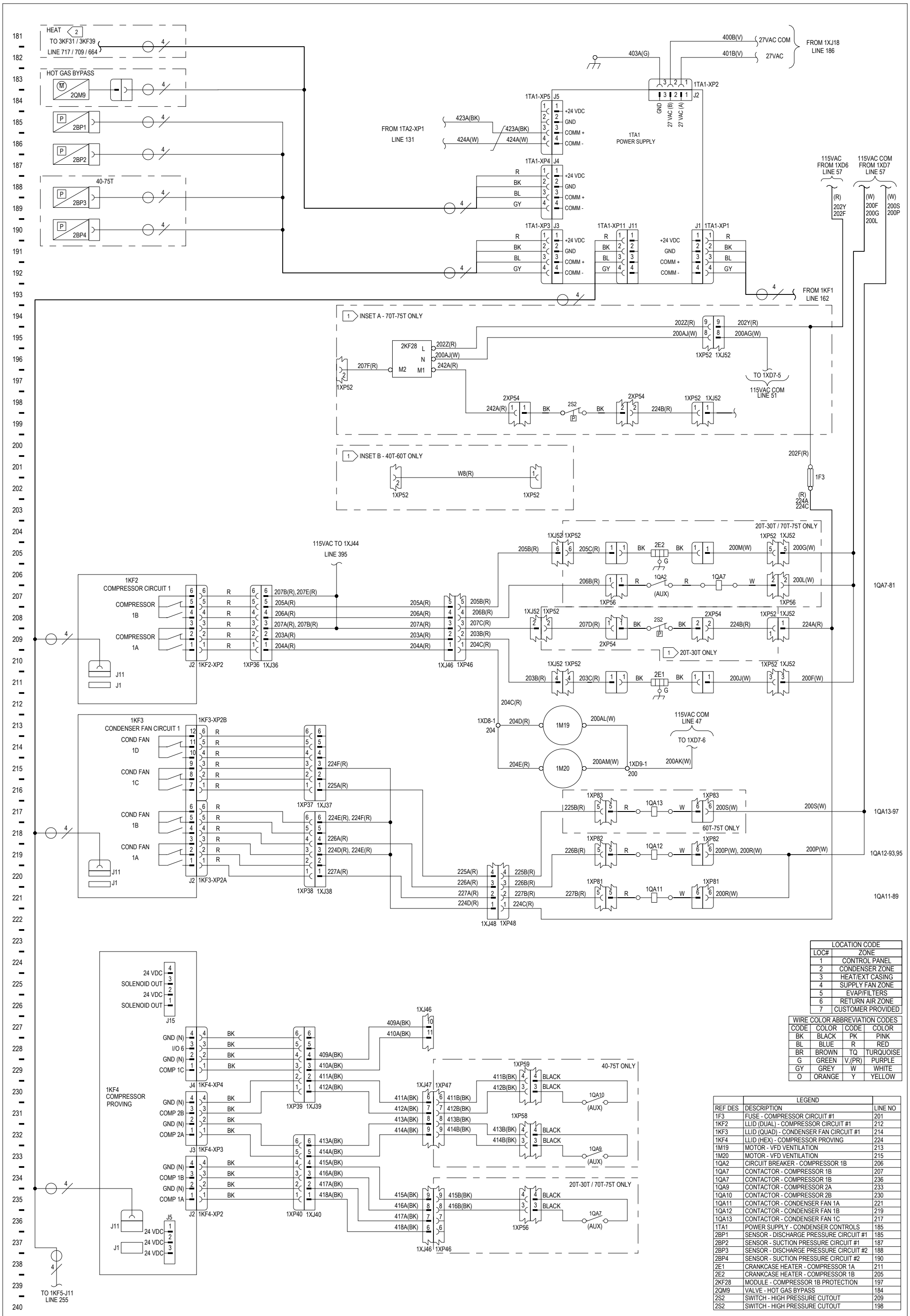

LOCATION CODE	
LOC#	ZONE
1	CONTROL PANEL
2	CONDENSER ZONE
3	HEAT/EXT CASING
4	SUPPLY FAN ZONE
5	EVAP/FILTERS
6	RETURN AIR ZONE
7	CUSTOMER PROVIDED

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

LEGEND		
REF DES	DESCRIPTION	LINE NO
1F3	FUSE - COMPRESSOR CIRCUIT #1	201
1KF2	LLID (DUAL) - COMPRESSOR CIRCUIT #1	212
1KF3	LLID (QUAD) - CONDENSER FAN CIRCUIT #1	214
1KF4	LLID (HEX) - COMPRESSOR PROVING	224
1M19	MOTOR - VFD VENTILATION	213
1M20	MOTOR - VFD VENTILATION	215
1QA2	CIRCUIT BREAKER - COMPRESSOR 1B	206
1QA7	CONTACTOR - COMPRESSOR 1B	207
1QA7	CONTACTOR - COMPRESSOR 1B	236
1QA9	CONTACTOR - COMPRESSOR 2A	233
1QA10	CONTACTOR - COMPRESSOR 2B	230
1QA11	CONTACTOR - CONDENSER FAN 1A	221
1QA12	CONTACTOR - CONDENSER FAN 1B	219
1QA13	CONTACTOR - CONDENSER FAN 1C	217
1TA1	POWER SUPPLY - CONDENSER CONTROLS	185
2BP1	SENSOR - DISCHARGE PRESSURE CIRCUIT #1	185
2BP2	SENSOR - SUCTION PRESSURE CIRCUIT #1	187
2BP3	SENSOR - DISCHARGE PRESSURE CIRCUIT #2	188
2BP4	SENSOR - SUCTION PRESSURE CIRCUIT #2	190
2E1	CRANKCASE HEATER - COMPRESSOR 1A	211
2E2	CRANKCASE HEATER - COMPRESSOR 1B	205
2KF28	MODULE - COMPRESSOR 1B PROTECTION	197
2QM9	VALVE - HOT GAS BYPASS	184
2S2	SWITCH - HIGH PRESSURE CUTOUT	209
2S2	SWITCH - HIGH PRESSURE CUTOUT	198

NOTES:

1. WIRING SHOWN FOR 20T-30T UNITS. SEE INSET A FOR 70T-75T UNITS, SEE INSET B FOR 40T-60T UNITS
2. FOR GAS HEAT, REFER TO 3KF31 ON LINE 717. FOR ELECTRIC HEAT, REFER TO 3KF31 ON LINE 709. FOR HYDRONIC HEAT, REFER TO 3KF39 ON LINE 664.

DESIGNER: T. PEED
ENGINEER: E. CAROTA
TRANE © DATE: 5/14/2024
REPLACES:
SIMILAR TO:
REVISION DATE: 5/14/2024
REVISED BY: T. PEED
APPROVED BY: E. CAROTA
CAD SYSTEM USED: CREO SCHEMATICS

TRANE ®

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IPAK 3
CONTROLS SCHEMATIC
20T - 75T, REFRIGERATION SYSTEMS #1
WITH VSC

MASTER NUMBER:	DRAWING NUMBER:	SHEET:	REV
	12135007	4 OF 16	B