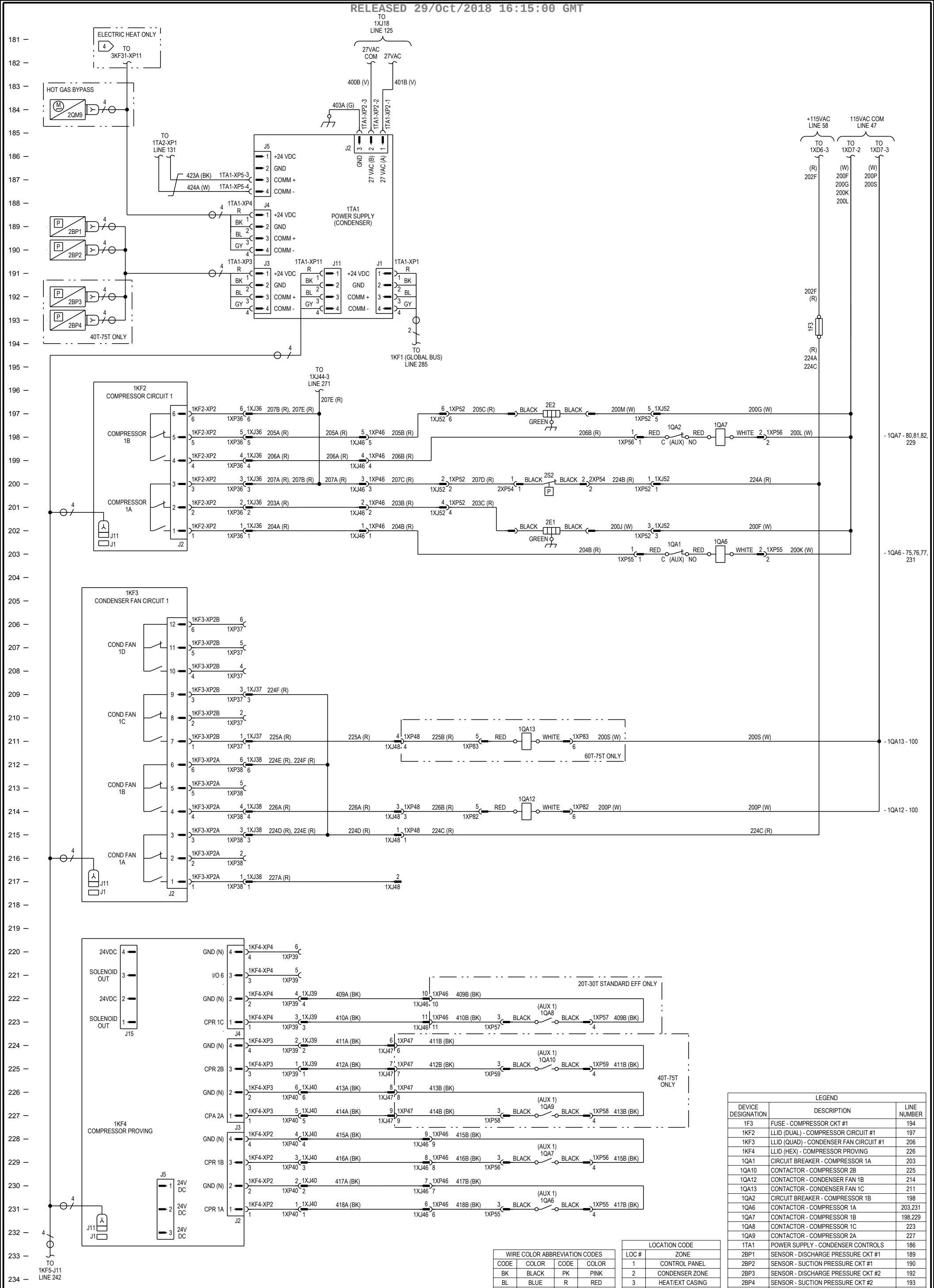

LEGEND		
DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
1F3	FUSE - COMPRESSOR CKT #1	194
1KF2	LLID (DUAL) - COMPRESSOR CIRCUIT #1	197
1KF3	LLID (QUAD) - CONDENSER FAN CIRCUIT #1	206
1KF4	LLID (HEX) - COMPRESSOR PROVING	226
1QA1	CIRCUIT BREAKER - COMPRESSOR 1A	203
1QA10	CONTACTOR - COMPRESSOR 2B	225
1QA12	CONTACTOR - CONDENSER FAN 1B	214
1QA13	CONTACTOR - CONDENSER FAN 1C	211
1QA2	CIRCUIT BREAKER - COMPRESSOR 1B	198
1QA6	CONTACTOR - COMPRESSOR 1A	203,231
1QA7	CONTACTOR - COMPRESSOR 1B	198,229
1QA8	CONTACTOR - COMPRESSOR 1C	223
1QA9	CONTACTOR - COMPRESSOR 2A	227
1TA1	POWER SUPPLY - CONDENSER CONTROLS	186
2BP1	SENSOR - DISCHARGE PRESSURE CKT #1	189
2BP2	SENSOR - SUCTION PRESSURE CKT #1	190
2BP3	SENSOR - DISCHARGE PRESSURE CKT #2	192
2BP4	SENSOR - SUCTION PRESSURE CKT #2	193
2E1	CRANKCASE HEATER - COMPRESSOR 1A	202
2E2	CRANKCASE HEATER - COMPRESSOR 1B	197
2QM9	SOLENOID - HOT GAS BYPASS	184
2S2	SWITCH - HIGH PRESSURE CUTOUT	188,200

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

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

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 SEE APPLICABLE ELECTRIC HEAT SECTION DIAGRAMS FOR BALANCE OF CIRCUIT.

DESIGNER:	D. CONDIE
ENGINEER:	L. D' ALBANI
TRANE © DATE:	11/13/17
REPLACES:	- - -
SIMILAR TO:	- - - - - -
REVISION DATE:	10/23/18
REVISED BY:	K. EDWARDS
APPROVED BY:	L. D'ALBANI
CAD SYSTEM USED:	PRO/ DIAGRAM

TRANE ®

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IEC DESIGN COMPLIANT

INTELLIPAK

DIAGRAM

CONTROLS SCHEMATIC - 20T-75T
REFRIGERATION SYSTEMS #1
WITH VARIABLE SPEED CONDENSER FAN

MASTER NUMBER:	DRAWING NUMBER:	SHEET:	REV
12132581	12132584	4 OF 7	D