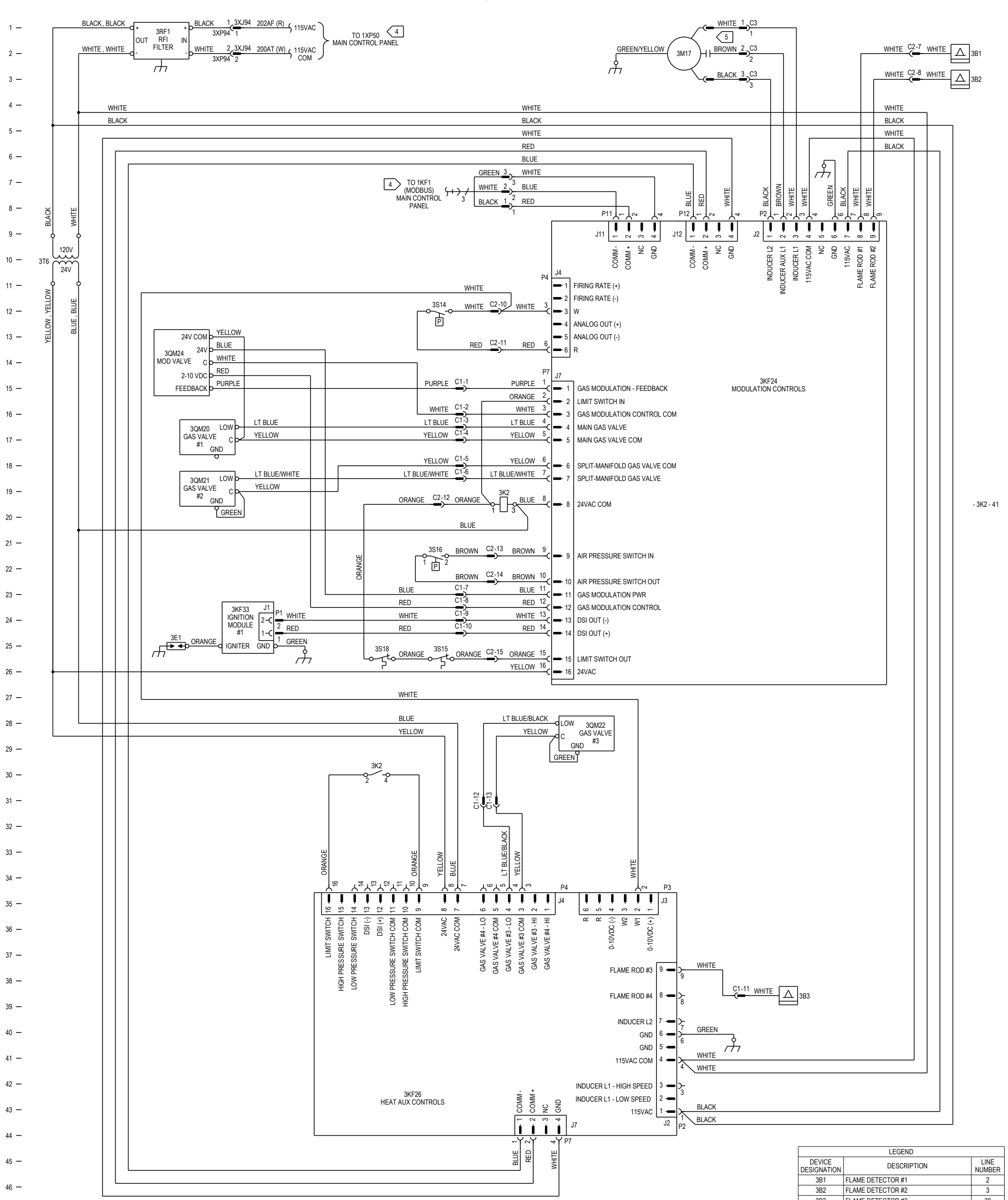
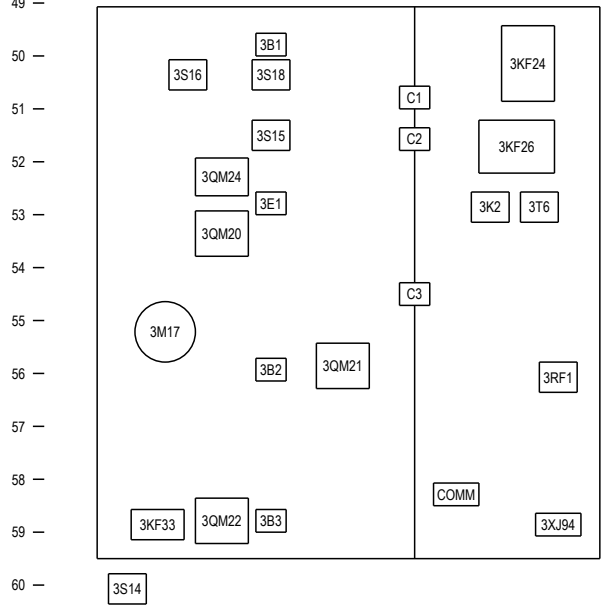




- 3K2 - 41



- 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.
- 4 1KF1 AND 1XP50 ARE LOCATED IN MAIN CONTROL PANEL.
- 5 WIRE COLOR MAY BE DIFFERENT BASED ON MOTOR VENDOR.

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

DESIGNER: K. EDWARDS
ENGINEER: R. ROBINSON
TRANE © DATE: 8/09/18
REPLACES: ---
SIMILAR TO: ---
REVISION DATE: 1/25/19
REVISED BY: K. EDWARDS
APPROVED BY: R. ROBINSON
CAD SYSTEM USED: PRO / DIAGRAM

TRANE®

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IEC DESIGN COMPLIANT

LEGEND		
DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
3B1	FLAME DETECTOR #1	2
3B2	FLAME DETECTOR #2	3
3B3	FLAME DETECTOR #3	39
3B4	FLAME DETECTOR #4	38
3E1	IGNITER #1	25
3E2	IGNITER #2	35
3K2	RELAY - HEAT FAIL	20,30
3KF24	CONTROL - MODULATING	11
3KF26	CONTROL - HEAT AUX	38
3KF33	MODULE - IGNITION #1	24
3M17	MOTOR - COMBUSTION BLOWER #1	1
3QM20	GAS VALVE #1	17
3QM21	GAS VALVE #2	19
3QM22	GAS VALVE #3	28
3QM23	GAS VALVE #4	30
3QM24	VALVE - MODULATING	13
3RF1	FILTER - RFI	1
3S14	SWITCH - SUPPLY AIRFLOW	12
3S15	SWITCH - HIGH TEMP CUTOUT	26
3S16	SWITCH - HIGH PRESSURE #1	22
3S18	SWITCH - FLAME ROLL OUT #1	26
3T6	TRANSFORMER - 24VAC	9

INTELLIPAK DIAGRAM SCHEMATIC / LAYOUT - MODULATING GAS HEAT 500MBH - ULTRA			
MASTER NUMBER:	DRAWING NUMBER:	SHEET:	REV
12132950	12132832	1 OF 1	E