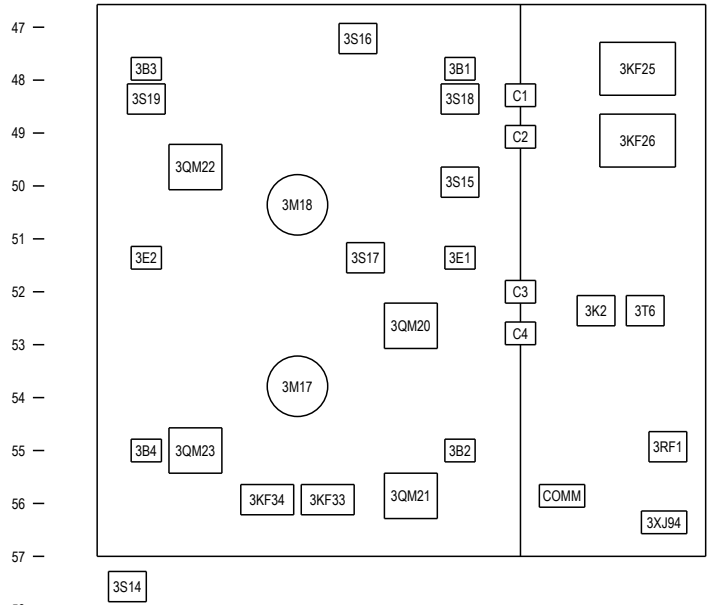
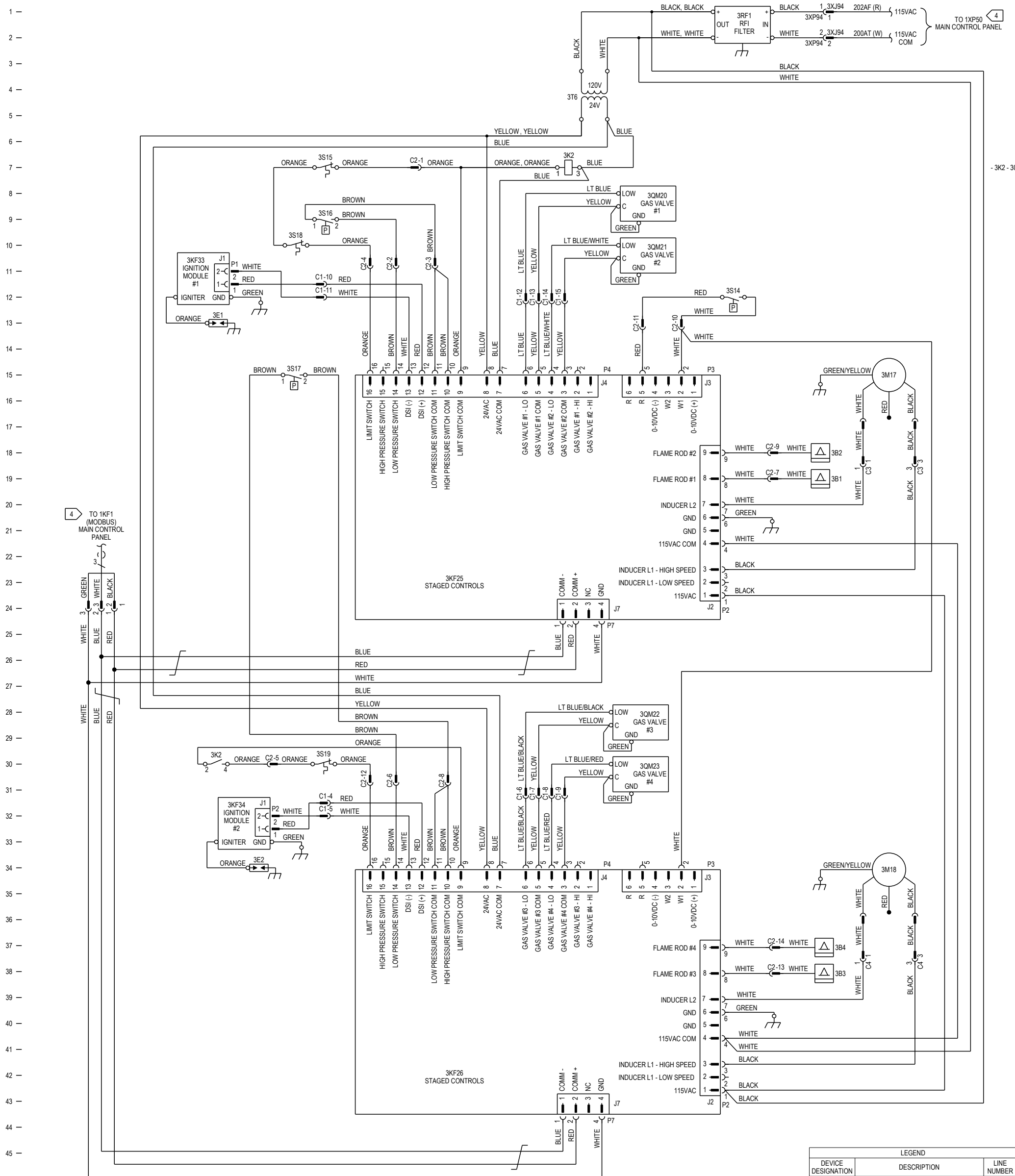




- NOTES:
- UNLESS OTHERWISE NOTED, ALL SWITCHES ARE SHOWN AT 25° C (77° F), AT ATMOSPHERIC PRESSURE, AT 50% RELATIVE HUMIDITY, WITH ALL UTILITIES TURNED OFF, AND AFTER A NORMAL SHUTDOWN HAS OCCURRED.
 - DASHED LINES INDICATE RECOMMENDED FIELD WIRING BY OTHERS. DASHED LINE ENCLOSURES AND/OR DASHED DEVICE 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.

LEGEND		
DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
3B1	FLAME DETECTOR #1	19
3B2	FLAME DETECTOR #2	18
3B3	FLAME DETECTOR #3	38
3B4	FLAME DETECTOR #4	37
3E1	IGNITER #1	13
3E2	IGNITER #2	34
3K2	RELAY - HEAT FAIL	7,30
3KF25	CONTROL - 2-STAGE	18
3KF26	CONTROL - HEAT AUX	37
3KF33	MODULE - IGNITION #1	11
3KF34	MODULE - IGNITION #2	32
3M17	MOTOR - COMBUSTION BLOWER #1	14
3M18	MOTOR - COMBUSTION BLOWER #2	33
3QM20	GAS VALVE #1	8
3QM21	GAS VALVE #2	10
3QM22	GAS VALVE #3	28
3QM23	GAS VALVE #4	30
3R1	FILTER - RFI	1
3S14	SWITCH - SUPPLY AIRFLOW	12
3S15	SWITCH - HIGH TEMP CUTOUT	7
3S16	SWITCH - HIGH PRESSURE #1	9
3S17	SWITCH - HIGH PRESSURE #2	15
3S18	SWITCH - FLAME ROLL OUT #1	10
3S19	SWITCH - FLAME ROLL OUT #2	30
3T6	TRANSFORMER - 24VAC	3

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:	8/14/18
REPLACES:	---
SIMILAR TO:	---
REVISION DATE:	7/17/2019
REVISED BY:	A. WAELDE
APPROVED BY:	R. ROBINSON
CAD SYSTEM USED:	PRO/DIAGRAM

TRANE®

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INTELLIPAK DIAGRAM SCHEMATIC / LAYOUT - STAGED GAS HEAT 850/1200MBH			
MASTER NUMBER:	DRAWING NUMBER:	SHEET:	REV
12132951	12132829	1 OF 1	D