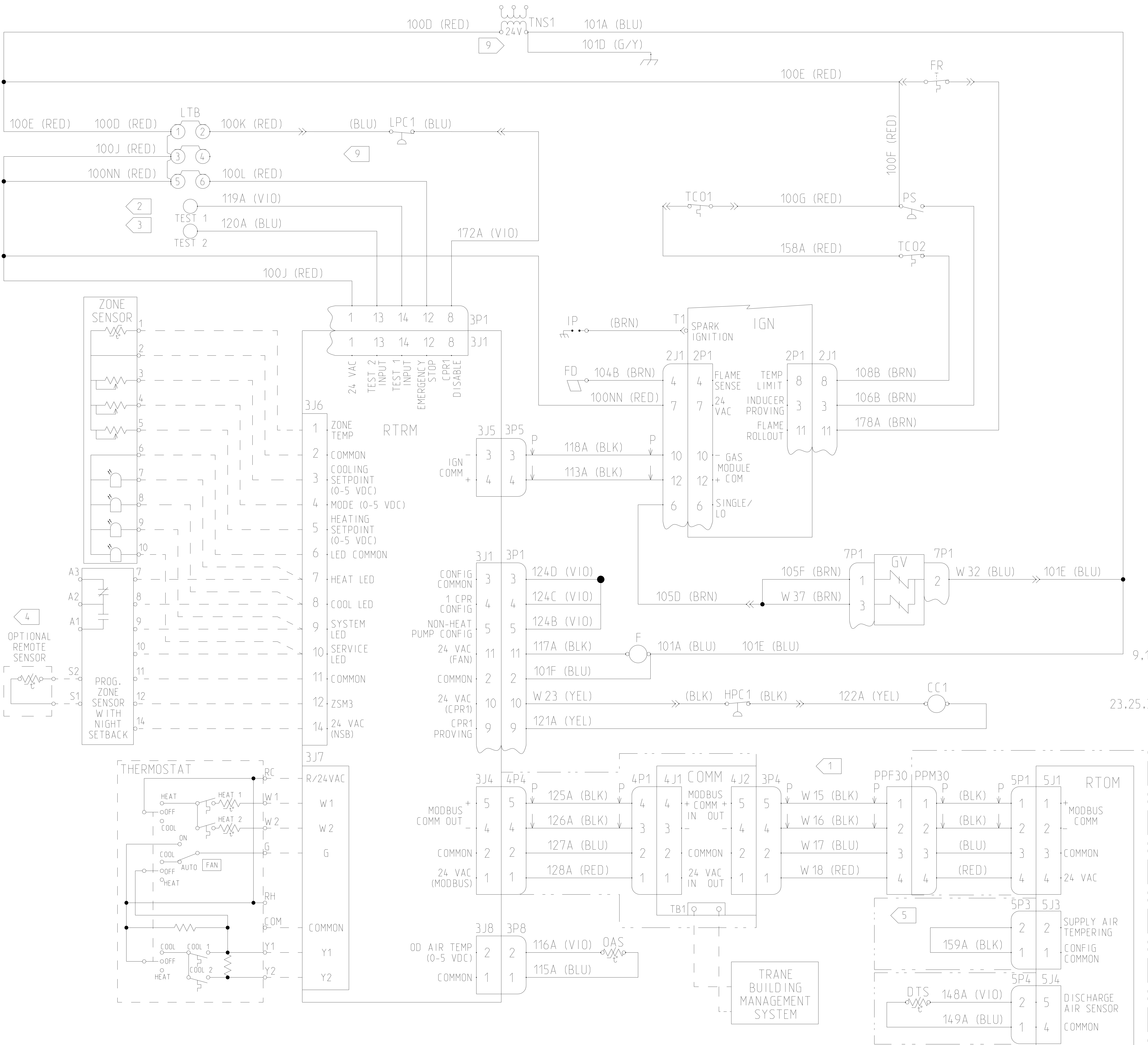
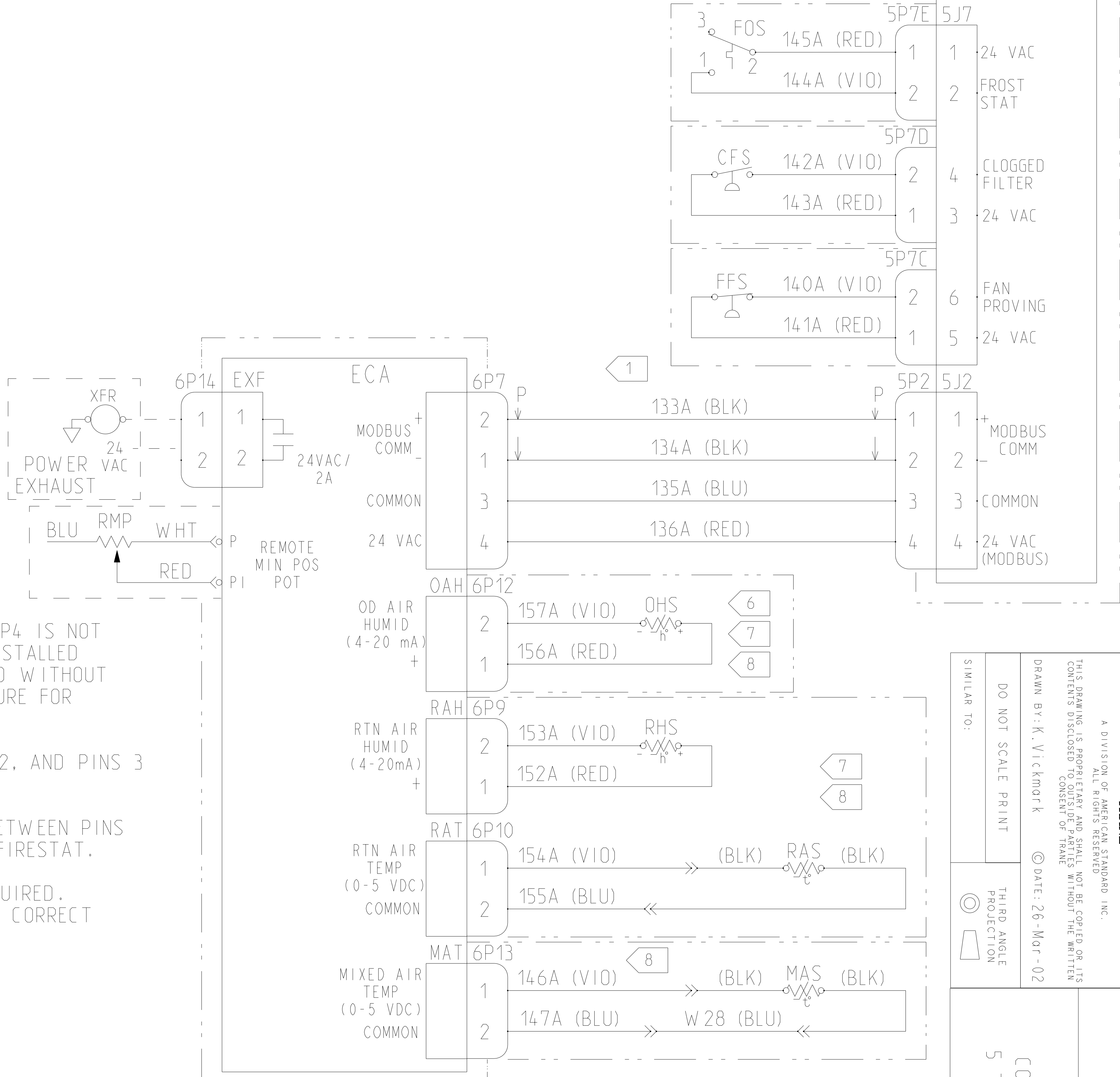




REF	DESCRIPTION	LINE
CC1	COMPRESSOR CONTACTOR	107
CFS	CLOGGED FILTER SWITCH	129
COMM	COMMUNICATIONS MODULE	111-114
DTS	DISCHARGE AIR SENSOR	119
ECA	ECONOMIZER ACTUATOR	135-150
F	FAN RELAY	105
FD	FLAME DETECTOR	94
FFS	FAN FAIL SWITCH	132
FOS	FROSTAT	126
FR	FLAME ROLLOUT SWITCH	82
GV	GAS VALVE	102,103
HPC1	HIGH PRESSURE CUTOUT	107
IGN	IGNITER	92-99
IP	IGNITER	92

REF	DESCRIPTION	LINE
LPC1	LOW PRESSURE CONTROL	84
LTB	LOW VOLTAGE TERM BLOCK	84-88
MAS	MIXED AIR SENSOR	149
OAS	OUTDOOR AIR SENSOR	116
OHS	OD AIR HUMIDITY SENSOR	140
PS	PRESSURE SWITCH	87
RAS	RTN AIR SENSOR	146
RHS	RTN AIR HUMIDITY SENSOR	143
RTOM	OPTIONS MODULE	111-138
RTRM	REFRIGERATION MODULE	92-118
TC01	TEMP LIMIT 1	87
TC02	TEMP LIMIT 2	89
TNS1	LOW VOLTAGE TRANSFORMER	80

- 1
- CONNECTIONS SHOWN INCLUDE OPTIONAL COMM, ECA, AND RTOM. PLUG 3P4 IS NOT CONNECTED UNLESS ECA OR RTOM IS INSTALLED. IF ECA OR RTOM IS INSTALLED WITHOUT COMM, 3P4 IS CONNECTED TO RTRM-3J4. IF ECA IS INSTALLED WITHOUT RTOM, 5P2 IS CONNECTED TO PPF30. REFER TO ACCOMPANYING LITERATURE FOR PROPER CONNECTION/COMBINATION OF OPTIONAL COMPONENTS.
- 2
- TO DISABLE COMPRESSORS, REMOVE LTB JUMPERS BETWEEN PINS 1 AND 2, AND PINS 3 AND 4, AND CONNECT FIELD SUPPLIED CONTROL DEVICE.
- 3
- TO SHUT DOWN THE UNIT FOR EMERGENCY STOP, REMOVE LTB JUMPER BETWEEN PINS 5 AND 6, AND INSTALL FIELD SUPPLIED DEVICE OR INSTALL OPTIONAL FIRESTAT.
- 4
- INSTALL OPTIONAL REMOTE SENSOR TO TERMINALS S1 AND S2 WHEN REQUIRED. SEE PROGRAMMABLE ZONE SENSOR/REMOTE PANEL W/NSB LITERATURE FOR CORRECT SETTINGS.
- 5
- REMOVE JUMPER TO ENABLE SUPPLY AIR TEMPERING.
- 6
- REQUIRED FOR OPTIONAL REFERENCE ENTHALPY CONTROL.
- 7
- REQUIRED FOR OPTIONAL COMPARATIVE ENTHALPY CONTROL.
- 8
- OPTIONAL MAS, RAS, RHS, OHS, AND ASSOCIATED WIRING NOT USED WITH MOTORIZED OUTSIDE AIR DAMPER.
- 9
- IF OPTIONAL PHASE MONITOR (PHM) IS INSTALLED, CONNECT ENDS OF 100AG TOGETHER (NOT USED). MOVE WIRE 100L FROM LTB-6 TO PHM Y-OUT. CONNECT WIRE 100AF FROM PHM Y TO LTB-6. CONNECT WIRE 101AR FROM PHM COM TO TNS1 SEC. COM. SEE POWER DIAGRAM.



4366-1012

DIAGRAM

CONTROLS - GAS HEAT,
5 TON, 380V-50HZ PWR,
RT CNTL

TRANE

A DIVISION OF TRANE

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DRAWN BY: K. VICKMORF © DATE: 26-Mar-02

DO NOT SCALE PRINT

THIRD ANGLE PROJECTION

SIMILAR TO:

FROM				W I R E NUMBER		TO			
COMPONENT	PART NUMBER	PIN	TERMINATOR			COMPONENT	PART NUMBER	PIN	TERMINATOR
2J1	NA	1		105F	18_BRN_2	PPM17	NA	ENTRY	
2J1	NA	2		W 32	18_BLU_2	PPM3	NA		
2J1	NA	3		106B	18_BRN_2	PS	X1224_0405_01_MAP	NO	
2J1	NA	3		W 37	18_BRN_2	PPM17	NA	ENTRY	
2J1	NA	4		104B	18_BRN_HI_TEMP	FD	X1379_0111_01_MAP	ENTRY	
2J1	NA	6		105D	18_BRN_2	PPF17	NA	ENTRY	
2J1	NA	8		108B	18_BRN_2	TC02	X1310_0414_01_MAP	NC	
2J1	NA	11		178A	18_BRN_2	FR	X1354_1189_01_MAP	NC	
3P1	NA	1		100J	18_RED_2	LTB	TBD	3	
3P1	NA	2		101F	18_BLU_2	F	TBD	COIL_2	
3P1	NA	3		124D	18_VIO_2	SPLICE	NA	W S	
3P1	NA	4		124C	18_VIO_2	SPLICE	NA	W S	
3P1	NA	5		124B	18_VIO_2	SPLICE	NA	W S	
3P1	NA	8		172A	18_VIO_2	PPM8	NA	ENTRY	
3P1	NA	10		W 23	18_YEL_2	PPM14	NA	ENTRY	
3P1	NA	11		117A	18_BLK_2	F	TBD	COIL_1	
3P1	NA	12		100L	18_RED_2	LTB	TBD	6	
3P1	NA	13		120A	18_BLU_2	LTB	TBD	TEST2	
3P1	NA	14		119A	18_VIO_2	LTB	TBD	TEST1	
3P4	NA	1		W 18	18_RED_2	SP1	NA	4	
3P4	NA	2		W 17	18_BLU_2	SP1	NA	3	
3P4	NA	4		W 16	18_BLK_2	SP1	NA	2	
3P4	NA	5		W 15	18_BLU_2	SP1	NA	1	
3P5	NA	3		118A	18_BLK_2	2J1	NA	10	
3P5	NA	4		113A	18_BLK_2	2J1	NA	12	
3P8	NA	1		115A	18_BLU_2	OAS	X1379_0099_01_MAP	RT	
4P4	NA	1		128A	18_RED_2	4P1	NA	1	
4P4	NA	2		127A	18_BLU_2	4P1	NA	2	
4P4	NA	4		126A	18_BLU_2	4P1	NA	3	
4P4	NA	5		125A	18_BLK_2	4P1	NA	4	
5P2	NA	1		133A	18_BLK_2	6P7	NA	2	
5P2	NA	2		134A	18_BLK_2	6P7	NA	1	
5P2	NA	3		135A	18_BLU_2	6P7	NA	3	
5P2	NA	4		136A	18_RED_2	6P7	NA	4	
5P3	NA	1		159A	18_BLK_2	5P3	NA	2	
5P4	NA	2		148A	18_VIO_2	DT5	X1379_0099_04_MAP		
5P7E	NA	2		144A	18_VIO_2	FOS	TBD	1	
6P9	NA	1		152A	18_RED_2	RHS	X1379_0150_01_MAP	TBD	
6P10	NA	1		154A	18_VIO_2	PPM16	NA		
6P12	NA	1		156A	18_RED_2	OHS	X1379_0150_01_MAP	TBD	
6P13	NA	1		146A	18_VIO_2	PPM11	NA		
CC1	TBD	COIL_1		122A	18_YEL_2	PPF14	NA	ENTRY	
CC1	TBD	COIL_2		121A	18_YEL_2	3P1	NA	9	
CFS	TBD			143A	18_RED_2	5P7D	NA	1	
CFS	TBD			142A	18_VIO_2	5P7D	NA	2	
DT5	X1379_0099_04_MAP			149A	18_BLU_2	SP4	NA	1	
F	TBD	COIL_2		101A	18_BLU_2	TNS1	TBD	X1	
FFS	TBD			141A	18_RED_2	5P7C	NA	1	
FFS	TBD			140A	18_VIO_2	5P7C	NA	2	
FOS	TBD			145A	18_RED_2	5P7E	NA	1	
FR	X1354_1189_01_MAP	COM		100E	18_RED_2	LTB	TBD	1	
HPC1	X1321_0263_03			187A	18_BLK_2	PPM3	NA		
IGN	X1365_0876_01			103A	18_BRN_4	IP	X2408_0144_03_MAP	SPARK	
LPC1	X1320_0276_01			7056	18_BLU_2	PPF8	NA	ENTRY	
LTB		2		100K	18_RED_2	PPM7	NA	ENTRY	
LTB	TBD	5		100NN	18_RED_2	2J1	NA	7	
MAS	TBD			7066	18_BLK_2	PPM10	NA		
MAS	TBD			7067	18_BLK_2	PPF10	NA	ENTRY	
OAS	X1379_0099_01_MAP	LT		116A	18_VIO_2	3P8	NA	2	
OHS	X1379_0150_01_MAP	TBD		157A	18_VIO_2	6P12	NA	2	
PPF3	NA	ENTRY		186A	18_BLK_2	HPC1	X1321_0263_03		
PPF7	NA	ENTRY		7055	18_BLU_2	LPC1	X1320_0276_01		
PPF11	NA	ENTRY		W 28	18_BLU_2	PPF10	NA	ENTRY	
PPF14	NA	ENTRY		101E	18_BLU_2	F	TBD	COIL_2	
PPF17	NA	ENTRY		155A	18_BLU_2	6P10	NA	2	
PPM11	NA			147A	18_BLU_2	6P13	NA	2	
PS	X1224_0405_01_MAP	COM		100F	18_RED_2	FR	X1354_1189_01_MAP	COM	
RAS	X1379_0099_04_MAP			7059	18_BLK_2	PPM17	NA	ENTRY	
RAS	X1379_0099_04_MAP			7060	18_BLK_2	PPF16	NA	ENTRY	
RHS	X1379_0150_01_MAP	TBD		153A	18_VIO_2	6P9	NA	2	
TC01	TC01			100G	18_RED_2	PS	X1224_0405_01_MAP	COM	
TC02	X1310_0414_01_MAP	COM		159A	18_RED_2	TC01	TC01		
TNS1	TBD	X1		101D	18_GRNYEL_2_CO	24V_GND	NA	24V_GND	
TNS1	TBD	X2		100D	18_RED_2	LTB	TBD	1	
	NA	1		7080	18_BLK_2		NA	1	
	NA	2		7081	18_BLK_2		NA	2	
	NA	3		7082	18_BLU_2		NA	3	
	NA	4		7083	18_RED_2		NA	4	

KAREN AND CASSANDRA'S DIAGNOSTIC CHECK LIST 8/7/00											
FROM				W I R E NUMBER	TO						
COMPONENT	PART NUMBER	PIN	ENTRY		COMPONENT	PART NUMBER	PIN	ENTRY			
TNS1	TBD	X2	X2	100D	18_RED_2	LTB	TBD	1	1		
FR	X1354_1189_01_MAP	COM	COM	100E	18_RED_2	LTB	TBD	1	1		
PS	X1224_0405_01_MAP	COM	COM	100F	18_RED_2	FR	X1354_1189_01_MAP	COM	COM		
TC01	TC01			100G	18_RED_2	PS	X1224_0405_01_MAP	COM	COM		
3P1	NA	1	1	100J	18_RED_2	LTB	TBD	3	3		
LTB	TBD	2	2	100K	18_RED_2	PPM7	NA	ENTRY	ENTRY		
3P1	NA	12	12	100L	18_RED_2	LTB	TBD	6	6		
LTB	TBD	5	5	100NN	18_RED_2	2J1	NA	7	7		
F	TBD	COIL_2	COIL_2	101A	18_BLU_2	TNS1	TBD	X1	X1		
TNS1	TBD	X1	X1	101D	18_GRNYEL_2_CO	24V_GND	NA	24V_GND	4V_GND		
PPF14	NA	ENTRY	ENTRY	101E	18_BLU_2	F	TBD	COIL_2	COIL_2		
3P1	NA	2	2	101F	18_BLU_2	F	TBD	COIL_2	COIL_2		
IGN	X1365_0876_01			103A	18_BRN_4	IP	X2408_0144_03_MAP	SPARK	SPARK		
2J1	NA	4	4	104B	18_BRN_HI_TEMP	FD	X1379_0111_01_MAP	ENTRY	ENTRY		
2J1	NA	6	6	105D	18_BRN_2	PPF17	NA	ENTRY	ENTRY		
2J1	NA	1	3	105F	18_BRN_2	PPM17	NA	ENTRY	ENTRY		
2J1	NA	3	3	106B	18_BRN_2	PS	X1224_0405_01_MAP	NO	NO		
2J1	NA	8	8	108B	18_BRN_2	TC02	X1310_0414_01_MAP	NC	NC		
3P5	NA	4	4	113A	18_BLK_2	2J1	NA	12	12		
3P8	NA	1	1	115A	18_BLU_2	OAS	X1379_0099_01_MAP	RT	RT		
OAS	X1379_0099_01_MAP	LT	LT	116A	18_VIO_2	3P8	NA	2	2		
3P1	NA	11	11	117A	18_BLK_2	F	TBD	COIL_1	COIL_1		
3P5	NA	3	3	118A	18_BLK_2	2J1	NA	10	10		
3P1	NA	14	14	119A	18_VIO_2	LTB	TBD	TEST1	TEST1		
3P1	NA	13	13	120A	18_BLU_2	LTB	TBD	TEST2	TEST2		
CC1	TBD	COIL_2	COIL_2	121A	18_YEL_2	3P1	NA	9	9		
CC1	TBD	COIL_1	COIL_1	122A	18_YEL_2	PPF14	NA	ENTRY	ENTRY		
3P1	NA	5	5	124B	18_VIO_2	SPLICE	NA	W S	W S		
3P1	NA	4	4	124C	18_VIO_2	SPLICE	NA	W S	W S		
3P1	NA	3	3	124D	18_VIO_2	SPLICE	NA	W S	W S		
4P4	NA	5	5	125A	18_BLK_2	4P1	NA	4	4		
4P4	NA	4	4	126A	18_BLK_2	4P1	NA	3	3		
4P4	NA	2	2	127A	18_BLU_2	4P1	NA	2	2		
4P4	NA	1	1	128A	18_RED_2	4P1	NA	1	1		
5P2	NA	1	1	133A	18_BLK_2	6P7	NA	2	2		
5P2	NA	2	2	134A	18_BLK_2	6P7	NA	1	1		
5P2	NA	3	3	135A	18_BLU_2	6P7	NA	3	3		
5P2	NA	4	4	136A	18_RED_2	6P7	NA	4	4		
FFS	TBD		NC	140A	18_VIO_2	5P7C	NA	2	2		
FFS	TBD		COM	141A	18_RED_2	5P7C	NA	1	1		
CFS	TBD		NO	142A	18_VIO_2	5P7D	NA	2	2		
CFS	TBD		com	143A	18_RED_2	5P7D	NA	1	1		
5P7E	NA	2	2	144A	18_VIO_2	FOS	TBD	1	1		
FOS	TBD	2	2	145A	18_RED_2	5P7E	NA	1	1		
6P13	NA	1	1	146A	18_VIO_2	PPM11	NA		ENTRY		
PPM11	NA		ENTRY	147A	18_BLU_2	6P13	NA	2	2		
SP4	NA	2	2	148A	18_VIO_2	DT5	X1379_0099_04_MAP		RT		
DT5	X1379_0099_04_MAP		LT	149A	18_BLU_2	SP4	NA	1	1		
6P9	NA	1	1	152A	18_RED_2	RHS	X1379_0150_01_MAP	TBD	RT		
RHS	X1379_0150_01_MAP	TBD	LT	153A	18_VIO_2	6P9	NA	2	2		
6P10	NA	1	1	154A	18_VIO_2	PPM16	NA		ENTRY		
PPF17	NA	ENTRY	ENTRY	155A	18_BLU_2	6P10	NA	2	2		
6P12	NA	1	1	156A	18_RED_2	OHS	X1379_0150_01_MAP	TBD	RT		
OHS	X1379_0150_01_MAP	TBD	LT	157A	18_VIO_2	6P12	NA	2	2		
TC02	X1310_0414_01_MAP	COM	COM	158A	18_RED_2	TC01	TC01				
5P3	NA	1	1	159A	18_BLK_2	5P3	NA	2	2		
3P1	NA	8	8	172A	18_VIO_2	PPM8	NA	ENTRY	ENTRY		
2J1	NA	11	11	178A	18_BRN_2	FR	X1354_1189_01_MAP	NC	NC		
PPF3	NA	ENTRY	ENTRY	186A	18_BLK_2	HPC1	X1321_0263_03				
HPC1	X1321_0263_03		ENTRY	187A	18_BLK_2	PPM3	NA		ENTRY		
PPF7	NA	ENTRY	ENTRY	7055	18_BLU_2	LPC1	X1320_0276_01		COM		
LPC1	X1320_0276_01		NC	7056	18_BLU_2	PPF8	NA	ENTRY	ENTRY		
RAS	X1379_0099_04_MAP		RT	7059	18_BLK_2	PPM17	NA	ENTRY	ENTRY		
RAS	X1379_0099_04_MAP		LT	7060	18_BLK_2	PPF16	NA	ENTRY	ENTRY		
MAS	TBD		RT	7066	18_BLK_2	PPM10	NA		ENTRY		
MAS	TBD		LT	7067	18_BLK_2	PPF10	NA	ENTRY	ENTRY		
	NA	1	1	7080	18_BLK_2		NA	1	1		
	NA	2	2	7081	18_BLK_2		NA	2	2		
	NA	3	3	7082	18_BLU_2		NA	3	3		
	NA	4	4	7083	18_RED_2		NA	4	4		
3P4	NA	5	5	W 15	18_BLK_2	SP1	NA	1	1		
3P4	NA	4	4	W 16	18_BLK_2	SP1	NA	2	2		
3P4	NA	2	2	W 17	18_BLU_2	SP1	NA	3	3		
3P4	NA	1	1	W 18	18_RED_2	SP1	NA	4	4		
3P1	NA	10	10	W 23	18_YEL_2	PPM14	NA	ENTRY	ENTRY		
PPF11	NA	ENTRY	ENTRY	W 28	18_BLU_2	PPF10	NA	ENTRY	ENTRY		
2J1	NA	2	2	W 32	18_BLU_2	PPM3	NA				
2J1	NA	3	1	W 37	18_BRN_2	PPM17	NA	ENTRY	ENTRY		

