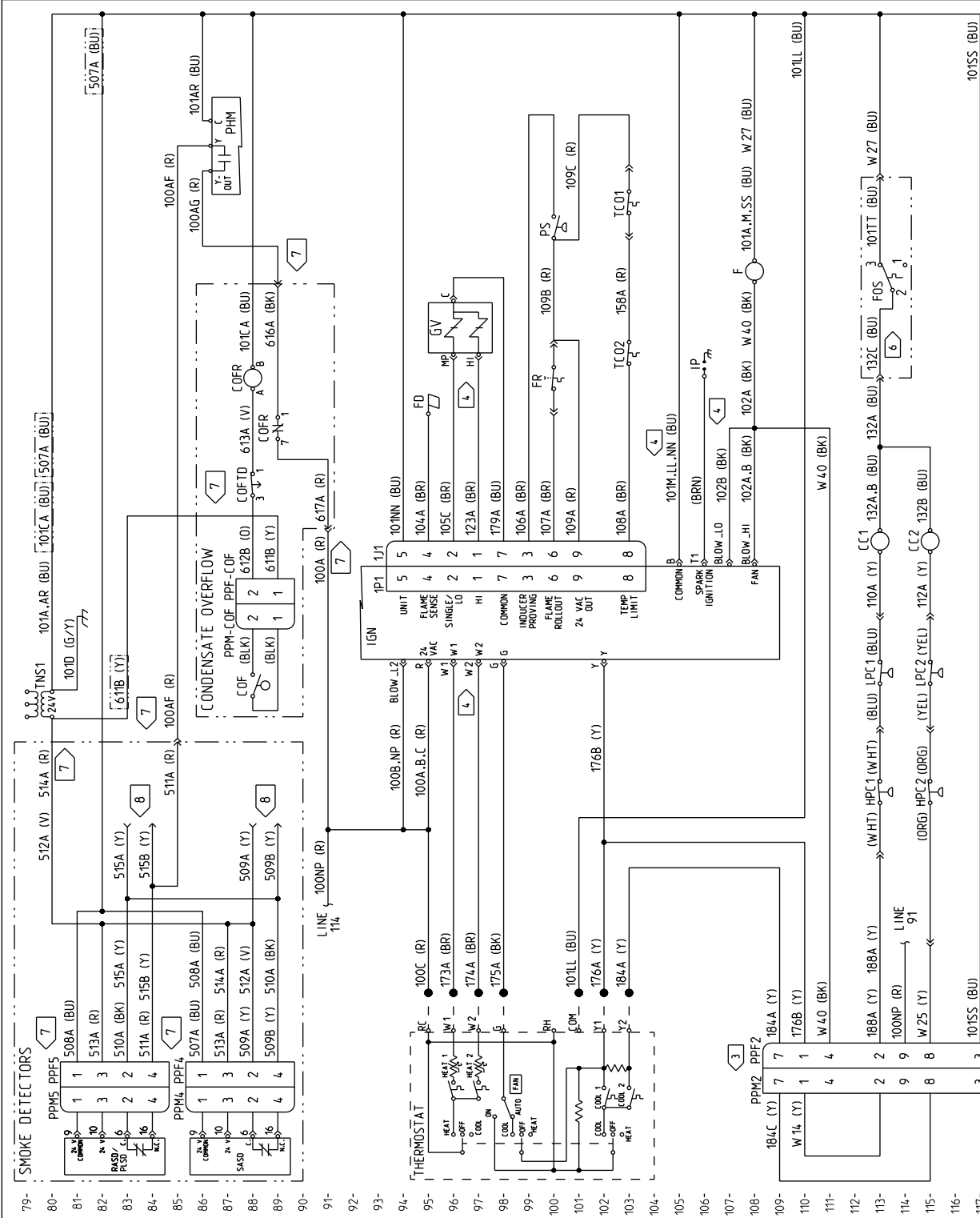




REF	DESCRIPTION	LINE
CC1	COMPRESSOR CONTACTOR	113
CC2	COMPRESSOR CONTACTOR	115
COF	CONDENSATE OVERFLOW	88
COFR	COF RELAY	88.89
COFTD	COF TIME DELAY	88
ECA	ECONOMIZER ACTUATOR	124
F	FAN CONTACTOR	108
FD	FLAME DETECTOR	95
FOS	FROSTAT	113
FR	FLAME ROLLOUT	100
GV	GAS VALVE	96
HPC1	HIGH PRESSURE CUTOUT	113
HPC2	HIGH PRESSURE CUTOUT	115
IGN	IGNITION MODULE	94
IP	IGNITER	106
IPC1	LOW PRESSURE CUTOUT	113
IPC2	LOW PRESSURE CONTROL	115
MAS	MIXED AIR SENSOR	119
OAS	OD AIR SENSOR	143
PHM	PHASE MONITOR	87
PLSD	PLENUM SMOKE DETECTOR	81
PS	PRESSURE SWITCH	100
RASD	RTN AIR SMOKE DETECTOR	81
SASD	SUPPLY AIR SMOKE DETECT	86
TC01	TEMPERATURE LIMIT SWITCH	103
TC02	TEMPERATURE LIMIT SWITCH	103
TNS1	LOW VOLTAGE TRANSFORMER	80

TRANS THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OTHER PARTIES WITHOUT THE WRITTEN CONSENT OF TRANS		4366-8384	REV A
DRAWN BY: R JOHNSON	DATE: 6/6/2013	CONTROLS DIAGRAM YSC(092,102)E (3.4.W) YSC(092,102)F(3.4.W) EM CONTROLS	
DO NOT SCALE PRINT	THIRD ANGLE PROJECTION 		

COLOR	ABBR	COLOR	ABBR
BLACK	BK	ORANGE	O
BLUE	BU	RED	R
BROWN	BR	VIOLET (PURPLE)	V
GRAY (SLATE)	GY	WHITE	W
GREEN/YELLOW	G/Y	YELLOW	Y

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.
3. WHEN INSTALLING OPTIONAL ECONOMIZER, REMOVE CONFIG PLUG PPM2, AND CONNECT ECONOMIZER PLUG PPM2A TO PPF2, AND CONNECT MAS TO WIRES 180A AND 181A.
4. CONNECTIONS SHOWN ARE FOR 2-STAGE GAS HEAT OPERATION. WHEN 1-STAGE OPERATION IS REQUIRED, WIRE 102B IS REMOVED. WIRES 101NN AND 1714A ARE NOT CONNECTED TO IGN, AND WIRE 123A IS NOT CONNECTED TO GV.
5. FOR MOTORIZED OUTSIDE AIR DAMPER, OPTIONAL MAS AND OAS (AND ASSOCIATED WIRING) ARE NOT USED.
6. CONNECTIONS SHOWN INCLUDE OPTIONAL FOS. IF FOS IS NOT INSTALLED, CONNECT WIRE 132A TO WIRE W27.
7. CONNECTIONS SHOWN INCLUDE OPTIONAL SMOKE DETECTORS AND CONDENSATE OVERFLOW. IF NONE OF THE SMOKE DETECTORS (RASD, PLSD OR SASD) ARE INSTALLED, CONNECT WIRE 100AF TO TMS1-24VAC. IF CONDENSATE OVERFLOW IS NOT INSTALLED, CONNECT WIRE 100A TO WIRE 100AG.
8. CONNECTIONS SHOWN INCLUDE OPTIONAL SMOKE DETECTORS. THE FOLLOWING COMBINATIONS ARE ALLOWED: RASD ONLY, SASD ONLY, RASD & SASD, AND PLSD ONLY. IF RASD OR PLSD IS NOT INSTALLED, CONNECT WIRE 515A TO WIRE 515B. IF SASD IS NOT INSTALLED, CONNECT WIRE 509A TO WIRE 509B.