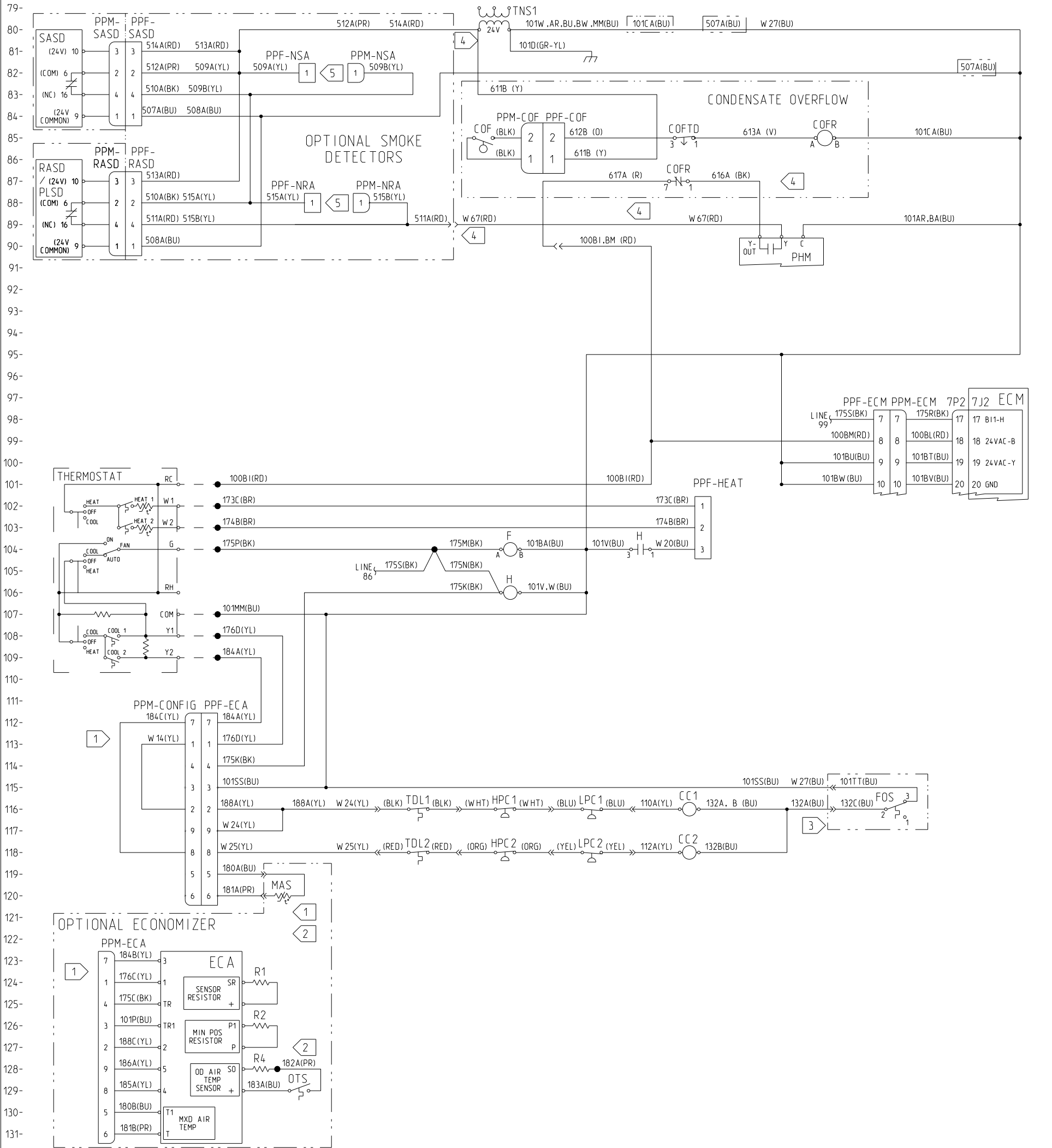




REF	DESCRIPTION	LINE
CC1	COMPRESSOR CONT 1	116
CC2	COMPRESSOR CONT 2	118
COF	CONDENSATE OVERFLOW	85
COFR	COF RELAY	85.87
COFTD	COF TIME DELAY	85
ECA	ECONOMIZER ACTUATOR	123
ECM	ECM ENGINE BOARD	98
F	FAN RELAY	104
FOS	FROSTAT	116
H	HEAT RELAY	104,106
HPC1	HIGH-PRESS CUTOUT 1	116
HPC2	HIGH-PRESS CUTOUT 2	118
LPC1	LOW -PRESS CUTOUT 1	116
LPC2	LOW -PRESS CUTOUT 2	118
MAS	MIXED AIR SENSOR	120
OTS	OD AIR TEMP SWITCH	129
PHM	PHASE MONITOR	90
PLSD	PLENUM SMOKE DETECTOR	87
R1	RESISTOR 750 OHM (RED)	124
R2	RESISTOR 130 OHM (GRN)	126
R4	RESISTOR 620 OHM (WHT)	128
RASD	RTN AIR SMOKE DETECT	87
SASD	SUPPLY AIR SMOKE DETECT	81
TDL1	THERMO DISCHARGE LINE 1	116
TDL2	THERMO DISCHARGE LINE 2	118
TNS1	LOW -VOLT TRANSFORMER	79

NOTES:

- 1
- TO INSTALL THE OPTIONAL ECONOMIZER, REMOVE PLUG PPM-CONFIG FROM PPF-ECA AND CONNECT PLUG PPM-ECA TO PPF-ECA. ALSO, CONNECT MAS TO WIRES 180A AND 181A.
- 2
- FOR MOTORIZED OUTSIDE AIR DAMPER, OPTIONAL MAS AND OTS (AND ASSOCIATED WIRING) ARE NOT USED. ALSO, R4 IS REMOVED FROM ECA.
- 3
- CONNECTIONS SHOWN INCLUDE OPTIONAL FOS. IF FOS IS NOT INSTALLED, CONNECT WIRES 101SS AND W27 TO WIRE 132A.
- 4
- CONNECTIONS SHOWN INCLUDE ALL OPTIONAL SMOKE DETECTORS AND CONDENSATE OVERFLOW. IF NONE OF THE SMOKE DETECTORS (RASD, PLSD, OR SASD) ARE INSTALLED, CONNECT WIRE W67 TO TNS1-24V. IF CONDENSATE OVERFLOW IS NOT INSTALLED, CONNECT WIRE 100BI,BM TO Y- ON PHM.
- 5

CONNECTIONS SHOWN INCLUDE OPTIONAL SMOKE DETECTORS. THE FOLLOWING COMBINATIONS ARE ALLOWED: RASD ONLY, SASD ONLY, RASD & SASD, AND PLSD. IF SASD IS THE ONLY SMOKE DETECTOR INSTALLED, CONNECT PLUG PPF-NRA TO PPM-NRA. IF RASD OR PLSD IS THE ONLY SMOKE DETECTOR INSTALLED, CONNECT PLUG PPF-NSA TO PPM-NSA.

TRANE

THIS DRAWING IS PROPRIETARY AND SHALL NOT BE COPIED OR ITS CONTENTS DISCLOSED TO OUTSIDE PARTIES WITHOUT THE WRITTEN CONSENT OF TRANE.

DRAWN BY: J. Moosley

DATE: 07-Nov-2008

DO NOT SCALE PRINT

THIRD ANGLE PROJECTION

4366-6434

CONTROLS DIAGRAM

TSC120E

ELECTROMECHANICAL CONTROLS

SHEET 1 OF 1

REV D