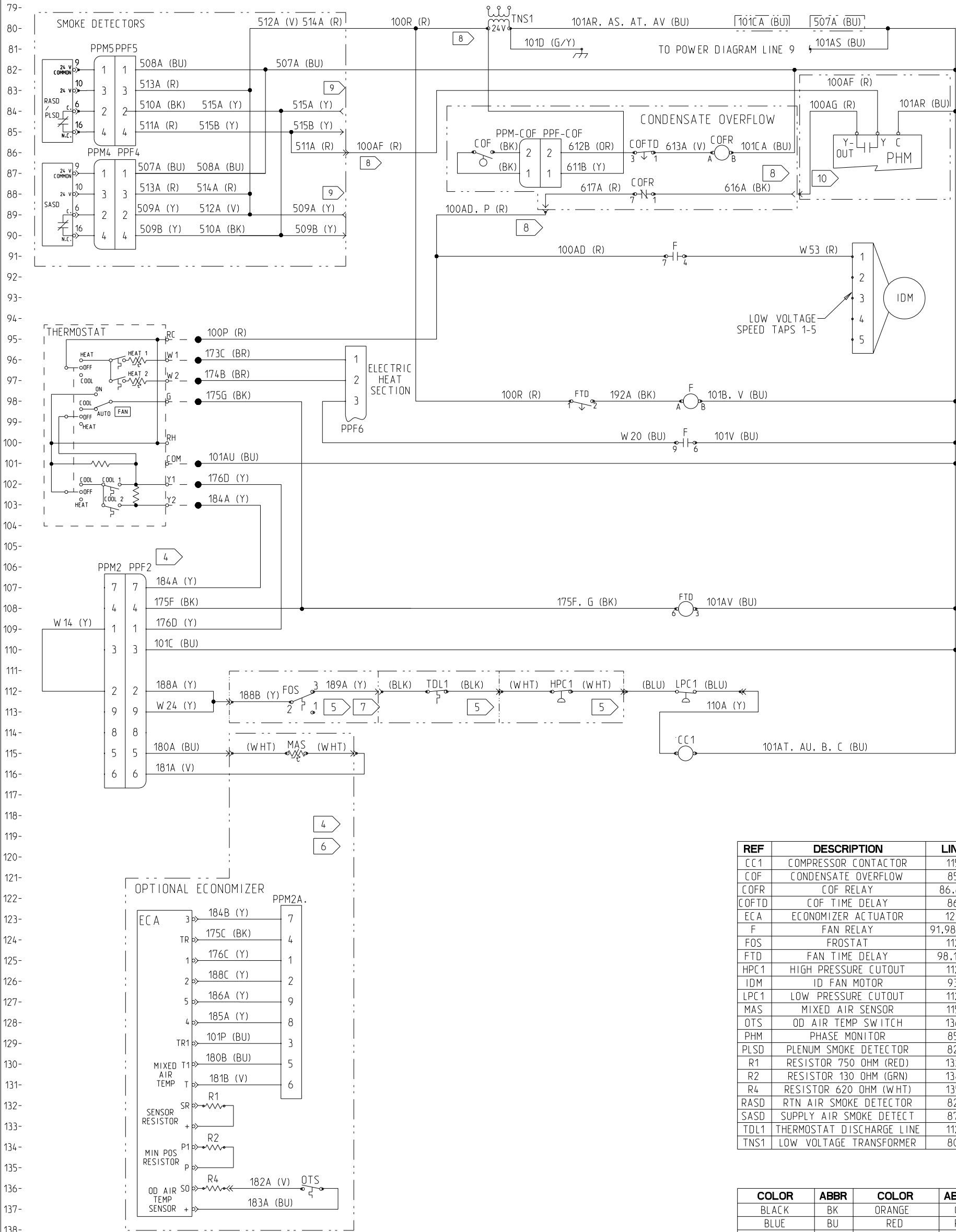




REF	DESCRIPTION	LINE
CC1	COMPRESSOR CONTACTOR	115
COF	CONDENSATE OVERFLOW	85
COFR	COF RELAY	86,88
COFTD	COF TIME DELAY	86
ECA	ECONOMIZER ACTUATOR	122
F	FAN RELAY	91,98,100
FOS	FROSTAT	112
FTD	FAN TIME DELAY	98,108
HPC1	HIGH PRESSURE CUTOUT	112
IDM	ID FAN MOTOR	93
LPC1	LOW PRESSURE CUTOUT	112
MAS	MIXED AIR SENSOR	115
OTS	OD AIR TEMP SWITCH	136
PHM	PHASE MONITOR	85
PLSD	PLENUM SMOKE DETECTOR	82
R1	RESISTOR 750 OHM (RED)	132
R2	RESISTOR 130 OHM (GRN)	134
R4	RESISTOR 620 OHM (WHT)	135
RASD	RTN AIR SMOKE DETECTOR	82
SASD	SUPPLY AIR SMOKE DETECT	87
TDL1	THERMOSTAT DISCHARGE LINE	112
TNS1	LOW VOLTAGE TRANSFORMER	80

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

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.
- NUMBERS ALONG THE RIGHT SIDE OF THE SCHEMATIC DESIGNATE THE LOCATION OF CONTACTS BY LINE NUMBER. AN UNDERLINED NUMBER INDICATES A NORMALLY CLOSED CONTACT.
- WHEN INSTALLING OPTIONAL ECONOMIZER, REMOVE CONFIG PLUG PPM2, AND CONNECT ECONOMIZER PLUG PPM2A TO PPF2, AND CONNECT MAS TO WIRES 180A AND 181A.
- CONNECTIONS SHOWN INCLUDE FOS, TDL1, AND HPC1. IF NONE OF THESE OPTIONS ARE INSTALLED, CONNECT WIRE LPC1-BLU TO WIRES W24/188A. IF ANY OR AL OF THESE OPTIONS ARE INSTALLED, CONNECT THEM IN SERIES AS SHOWN. (SEE NOTE 7 FOR EXCEPTION)
- FOR MOTORIZED OUTSIDE AIR DAMPER, OPTIONAL MAS AND OTS (AND ASSOCIATED WIRING) ARE NOT USED, AND R4 IS REMOVED BETWEEN SO AND +.
- FROSTAT CONNECTIONS/WIRE NUMBERS HAVE AN EXCEPTION. FOR ALL 4-5 TON UNITS WITH R410A REFRIGERANT AND HIGH EFFICIENCY, CONNECT WIRE 132C TO FOS PIN 2 AND 101TT TO FOS PIN 3.
- 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 TNS1-24VAC. IF CONDENSATE OVERFLOW IS NOT INSTALLED, CONNECT WIRE 100P/AD TO WIRE 100AG.
- 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.
- PHASE MONITOR (PHM) CONNECTIONS SHOWN. IF PHM IS NOT INSTALLED CONNECT WIRE 100P/AD TO TNS1 24V PWR. WIRES 100AF, 100AG AND 101AR ARE NOT PRESENT. SEE CONNECTION PRINT FOR INSTALLING SMOKE DETECTORS AND/OR CONDENSATE OVERFLOW WITHOUT PHASE MONITOR.

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DATE: 08Jun2005

THIRD ANGLE PROJECTION

DO NOT SCALE PRINT

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4366-4566

DIAGRAM

CONTROLS - COOL ONLY, 3-5 TON, EM CNTRL, X13 IDM

REV

G