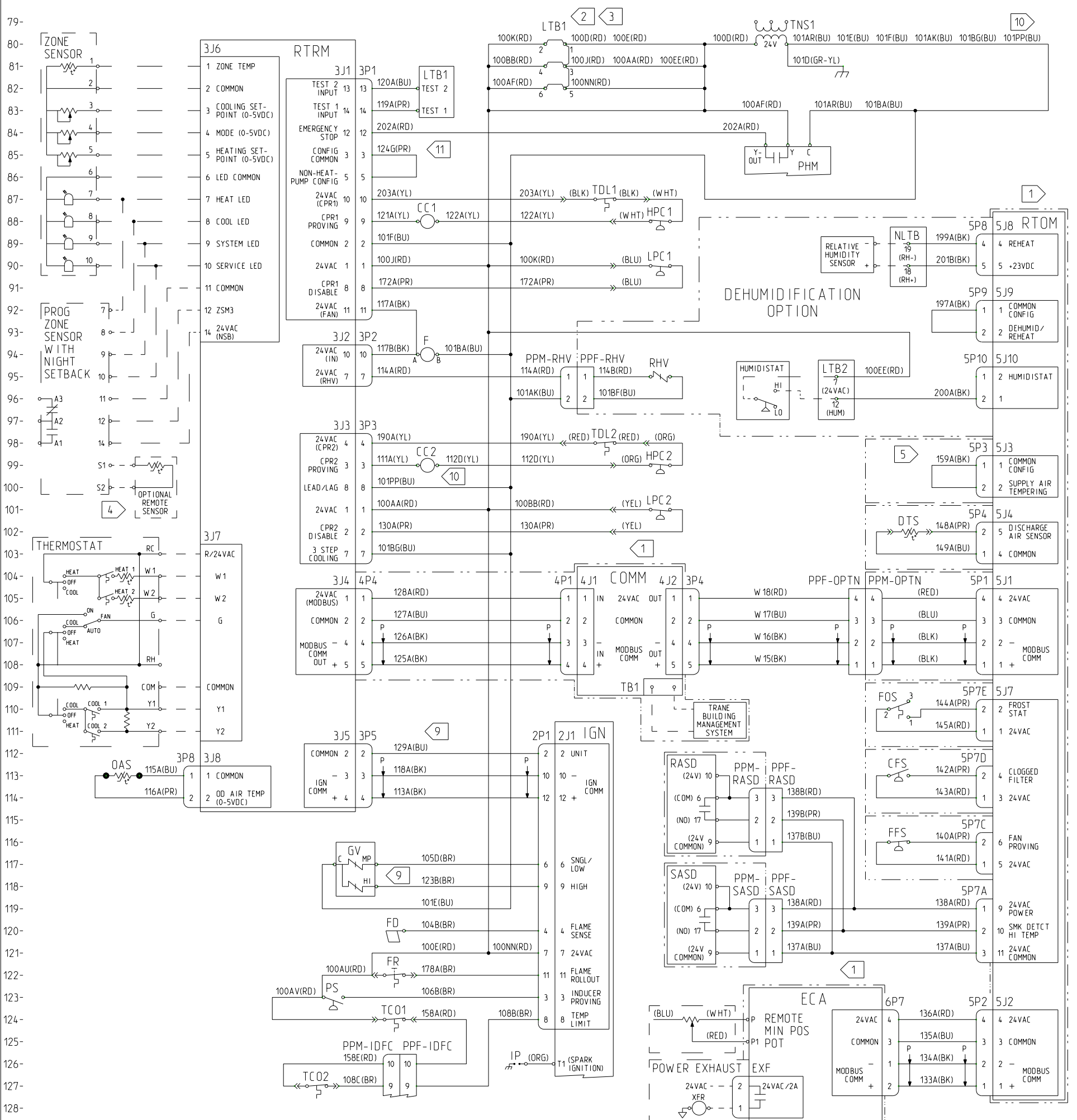




REF	DESCRIPTION	LINE
CC1	COMPRESSOR CONT 1	88
CC2	COMPRESSOR CONT 2	99
CFS	CLOGGED FILTER SWITCH	113
COMM	COMMUNICATIONS MODULE	105
DTS	DISCHARGE AIR SENSOR	102
ECA	ECONOMIZER ACTUATOR	124
F	FAN RELAY	94
FD	FLAME DETECT	120
FFS	FAN FAIL SWITCH	116
FOS	FROSTAT	110
FR	FLAME ROLLOUT SWITCH	122
GV	GAS VALVE	117
HPC1	HIGH-PRESS CUTOUT 1	87
HPC2	HIGH-PRESS CUTOUT 2	98
IGN	IGNITION MODULE	112
IP	IGNITOR	126
LPC1	LOW -PRESS CUTOUT 1	90
LPC2	LOW -PRESS CUTOUT 2	101
LTB1	LOW-VOLT TERM BOARD	80,82
LTB2	LOW-VOLT TERM BOARD 2	95
MAS	MIXED AIR SENSOR	133
NLTB	NOVAR TERM BOARD	89
OAS	OD AIR SENSOR	113
OHS	OD AIR HUMIDITY SENSOR	130
PHM	PHASE MONITOR	85
PS	PRESSURE SWITCH	123
RAS	RTN AIR SENSOR	133
RASD	RTN AIR SMOKE DETECT	114
RHS	RTN AIR HUMIDITY SENSOR	130
RHV	REHEAT VALVE	95
RTOM	OPTIONS MODULE	89
RTRM	REFRIGERATION MODULE	81
SASD	SUPPLY AIR SMOKE DETECT	119
TCO1	TEMP LIMIT SWITCH 1	124
TCO2	TEMP LIMIT SWITCH 2	127
TDL1	THERMO DISCHARGE LINE 1	87
TDL2	THERMO DISCHARGE LINE 2	98
TNS1	LOW-VOLT TRANSFORMER	79

NOTES:

- 1
- CONNECTIONS SHOWN INCLUDE OPTIONAL ECA, RTOM, AND COMM. IF NEITHER ECA NOR RTOM ARE INSTALLED, DO NOT CONNECT PLUG 3P4 TO ANYTHING. IF ECA AND/OR RTOM ARE INSTALLED WITHOUT COMM, CONNECT PLUG 3P4 TO RTRM-3J4. IF ECA IS INSTALLED WITHOUT RTOM, CONNECT PLUG 5P2 TO PPF-OPTN. REFER TO ACCOMPANYING LITERATURE FOR PROPER CONNECTION/COMBINATION OF OPTIONAL COMPONENTS.
- 2
- TO DISABLE THE COMPRESSORS, REMOVE THE JUMPERS ON LTB1 BETWEEN PINS 1 & 2 AND PINS 3 & 4 AND CONNECT FIELD SUPPLIED CONTROL DEVICE.
- 3
- TO SHUT DOWN THE UNIT FOR EMERGENCY STOP, REMOVE THE JUMPER ON LTB1 BETWEEN PINS 5 & 6 AND CONNECT FIELD SUPPLIED CONTROL DEVICE OR INSTALL OPTIONAL FIRESTAT.
- 4
- INSTALL OPTIONAL REMOTE SENSOR TO PINS S1 & S2 WHEN REQUIRED. SEE PROGRAMMABLE ZONE SENSOR/REMOTE PANEL WITH NIGHT SETBACK LITERATURE FOR CORRECT SETTINGS.
- 5
- TO ENABLE SUPPLY AIR TEMPERING, REMOVE PLUG 5P3.
- 6
- REQUIRED FOR OPTIONAL REFERENCE ENTHALPY CONTROL.
- 7
- REQUIRED FOR OPTIONAL COMPARATIVE ENTHALPY CONTROL.
- 8
- OPTIONAL MAS, RAS, RHS, OHS, AND ASSOCIATED WIRING ARE NOT USED WITH MOTORIZED OUTSIDE AIR DAMPER.
- 9
- CONNECTIONS SHOWN ARE FOR DUAL-STAGE GAS HEAT OPERATION. WHEN SINGLE-STAGE GAS HEAT OPERATION IS REQUIRED, REMOVE WIRE 123B FROM GV. ALSO, CUT AND ISOLATE WIRE 129A.
- 10
- TO ENABLE LEAD/LAG, CUT AND ISOLATE WIRE 101PP.
- 11
- IF DEHUMIDIFICATION OPTION IS INSTALLED, CUT AND ISOLATE WIRE 124G. FOR ADDITIONAL WIRING, SEE CO2 SENSOR & VENTILATION OVERRIDE ACCESSORY DIAGRAM.

4366-6438

CONTROLS DIAGRAM
YSC120E(3,4-W)
RELATEL CONTROLS

1
REV

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DRAWN BY: J. Woosley

DATE: 10-Nov-2008

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