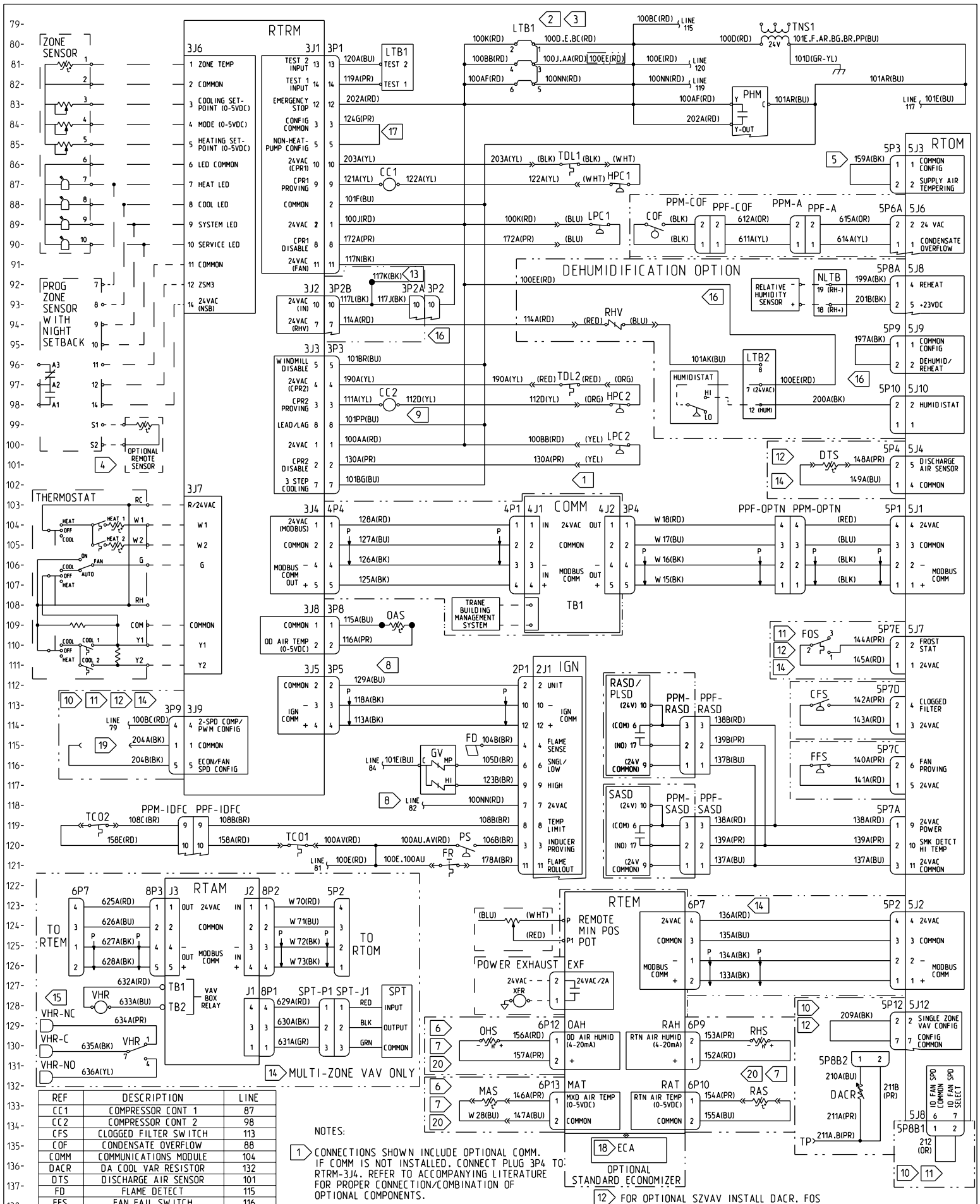

REF	DESCRIPTION	LINE
CC1	COMPRESSOR CONT 1	87
CC2	COMPRESSOR CONT 2	98
CFS	CLOGGED FILTER SWITCH	113
COF	CONDENSATE OVERFLOW	88
COMM	COMMUNICATIONS MODULE	104
DACR	DA COOL VAR RESISTOR	132
DTS	DISCHARGE AIR SENSOR	101
FD	FLAME DETECT	115
FFS	FAN FAIL SWITCH	116
FOS	FROSTAT	110
FR	FLAME ROLLOUT SWITCH	121
GV	GAS VALVE	116
HPC1	HIGH-PRESS CUTOUT 1	86
HPC2	HIGH-PRESS CUTOUT 2	97
IGN	IGNITION MODULE	112
LPC1	LOW-PRESS CUTOUT 1	89
LPC2	LOW-PRESS CUTOUT 2	100
LTB1	LOW-VOLT TERM BOARD	80.81
LTB2	LOW-VOLT TERM BOARD 2	97
MAS	MIXED AIR SENSOR	132
NLTB	NOVAR TERM BOARD	91
OAS	OD AIR SENSOR	109
OHS	OD AIR HUMIDITY SENSOR	129
PHM	PHASE MONITOR	83
PLSD	PLENUM SMOKE DETECTOR	114
PS	PRESSURE SWITCH	120
RAS	RTN AIR SENSOR	132
RASD	RTN AIR SMOKE DETECT	114
RHS	RTN AIR HUMIDITY SENSOR	129
RHV	REHEAT VALVE	93
RTAM	AIR HANDLING MODULE	123
RTEM	RELIATEL ECONOMIZER MODULE	123
RTOM	OPTIONS MODULE	88
RTRM	REFRIGERATION MODULE	81
SASD	SUPPLY AIR SMOKE DETECT	119
SPT	SPACE PRESSURE TRANSDUCER	128
TC01	TEMP LIMIT SWITCH 1	120
TC02	TEMP LIMIT SWITCH 2	119
TDL1	THERMO DISCHARGE LINE 1	86
TDL2	THERMO DISCHARGE LINE 2	97
TNS1	LOW-VOLT TRANSFORMER	79
VHR	VAV BOX RELAY	128.130

NOTES:

1. CONNECTIONS SHOWN INCLUDE OPTIONAL COMM. IF COMM IS NOT INSTALLED, CONNECT PLUG 3P4 TO RTRM-3J4. REFER TO ACCOMPANYING LITERATURE FOR PROPER CONNECTION/COMBINATION OF OPTIONAL COMPONENTS.
2. TO DISABLE THE COMPRESSORS, REMOVE THE JUMPER 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 JUMPERS 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. 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.
9. TO ENABLE LEAD/LAG, CUT AND ISOLATE WIRE 101PP.
10. FOR STANDARD ID FAN OPERATION ENSURE RTRM 3J9, RTOM 5J12, AND RTOM 5J8 PINS 6-7 ARE OPEN (NO CONNECTIONS).
11. FOR OPTIONAL MULTI-SPEED ID FAN CONNECT RTRM 3J9 WITH 3P9, RTOM 5J8 PINS 6-7 WITH 5P8B1. INSTALL FOS.
12. FOR OPTIONAL SZVAV INSTALL DACR, FOS AND DTS. CONNECT RTRM 3J9 WITH 3P9, RTOM 5J8 PINS 6-7 WITH 5P8B2, RTOM 5J12 WITH 5P12, AND RTOM 5J4 PINS 4-5 WITH 5P4. DISCHARGE AIR COOL SETPOINT MEASURED ACROSS TP-GROUND. SEE POWER DIAGRAM FOR TABLE.
13. FUTURE USE - NOT USED
14. FOR MULTI-ZONE VAV OPERATION, REPLACE WIRES 133A, 134A, 135A AND 136A WITH THE RTAM AND ASSOCIATED WIRING. CONNECT RTRM 3J9 TO 3P9. INSTALL DTS AND FOS.
15. CONNECT TO VHR-C AND VHR-NO FOR NORMALLY OPEN OPERATION. CONNECT TO VHR-C AND VHR-NC FOR NORMALLY CLOSED OPERATION.
16. REQUIRED FOR OPTIONAL DEHUMIDIFICATION. FOR ADDITIONAL WIRING, SEE CO2 SENSOR & VENTILATION OVERRIDE ACCESSORY DIAGRAM.
17. IF DEHUMIDIFICATION IS INSTALLED, CUT AND ISOLATE WIRE 124G.
18. STANDARD ECONOMIZER ECA IS ATTACHED TO THE BACK OF THE RTEM.
19. TO DISABLE MAXIMUM OUTDOOR FAN SPEED CONNECT WIRES 204A AND 204B.
20. OPTIONAL MAS, RAS, RHS, OHS SENSORS AND ASSOCIATED WIRING NOT USED WITH MOTORIZED (NON-MODULATING) OR MANUAL OUTSIDE AIR DAMPER.

DO NOT SCALE PRINT

THIRD ANGLE PROJECTION

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DRAWN BY: P.NICHOLS
DATE: 24-APR-2013

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CONTROLS DIAGRAM
YSC120F(3,4,W) & YHC(092-102)F3,4
RELIATEL CONTROLS

4366-7436

SHEET 1 OF 1
REV G