

CAUTION

USE COPPER CONDUCTORS ONLY!

UNIT TERMINALS ARE NOT DESIGNED TO ACCEPT OTHER TYPES OF CONDUCTORS.

FAILURE TO DO SO MAY CAUSE DAMAGE TO THE EQUIPMENT.

ATTENTION

N'UTILISER QUE DES CONDUCTEURS EN CUIVRE!

LES BORNES DE L'UNITÉ NE SONT PAS CONÇUES POUR RECEVOIR D'AUTRES TYPES DE CONDUCTEURS.

L'UTILISATION DE TOUT AUTRE CONDUCTEUR PEUT ENDOMMAGER L'EQUIPEMENT.

PRECAUCIÓN

UTILICE ÚNICAMENTE CONDUCTORES DE COBRE!

LAS TERMINALES DE LA UNIDAD NO ESTÁN DISEÑADAS PARA ACEPTAR OTROS TIPOS DE CONDUCTORES.

SI NO LO HACE, PUEDE OCASIONAR DAÑO AL EQUIPO.

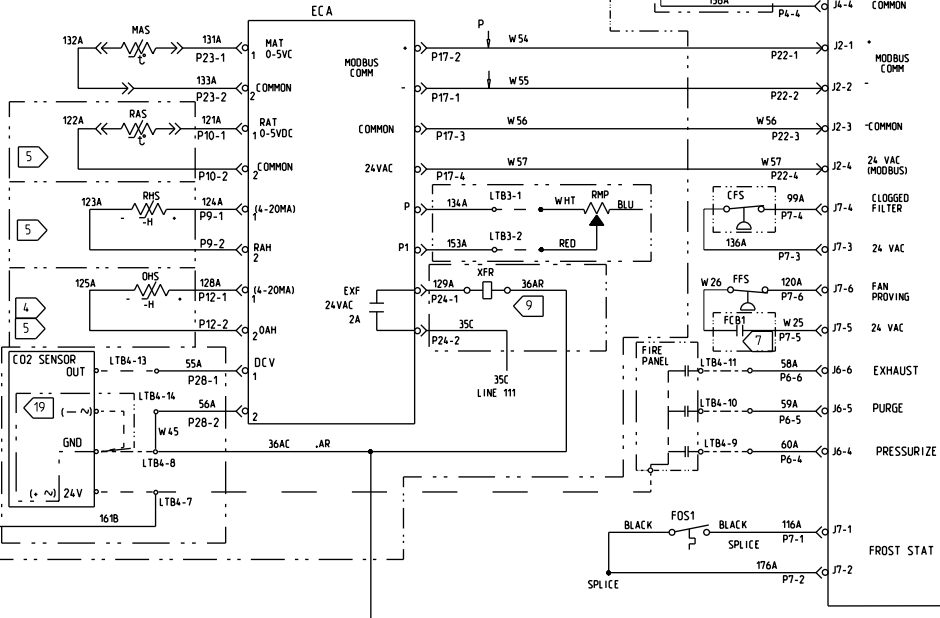
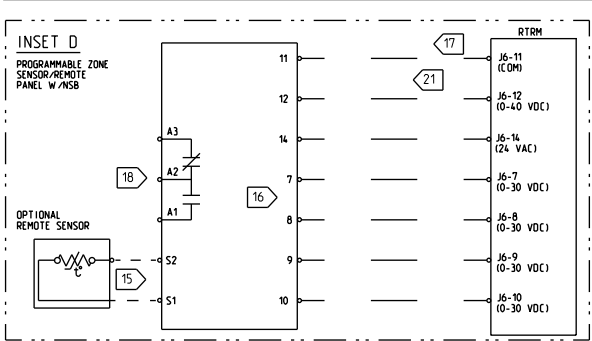
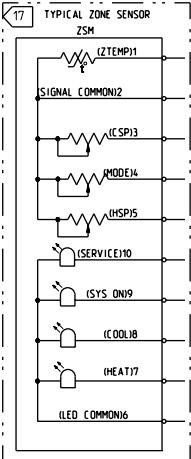
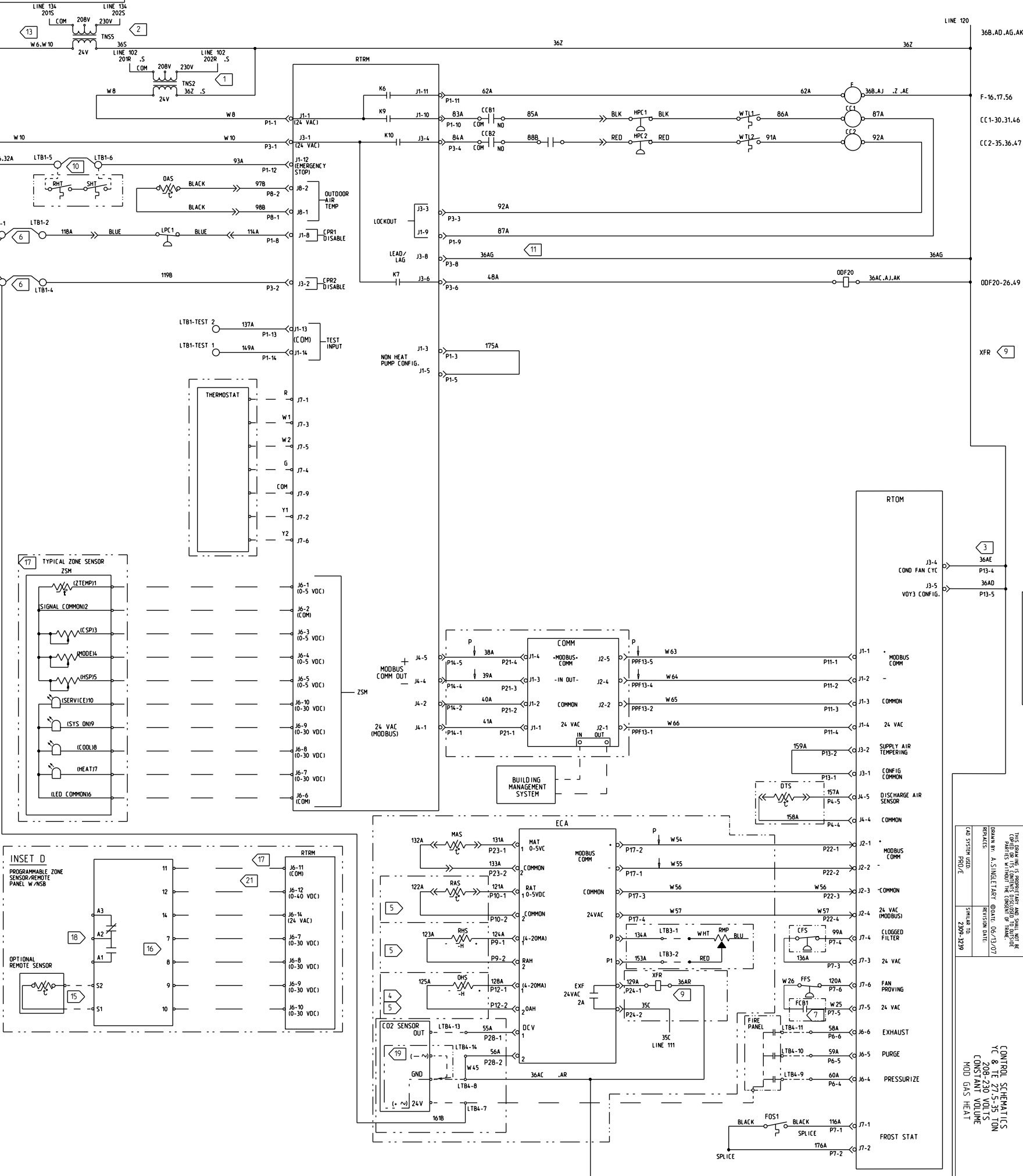
NOTES:

- 1 WIRING SHOWN IS FOR 230V. FOR 208V MOVE ALL WIRES FROM 230V TERMINAL TO 208V TERMINAL ON TNS2.
- 2 WIRING SHOWN IS FOR 230V. FOR 208V MOVE ALL WIRES FROM 230V TERMINAL TO 208V TERMINAL ON TNS5.
- 3 WIRE NUMBER 36AE IS NOT USED FOR TE-420.
- 4 REQUIRED FOR OPTIONAL REFERENCE ENTHALPY CONTROL.
- 5 REQUIRED FOR OPTIONAL COMPARATIVE ENTHALPY CONTROL.
- 6 LPC1 IS A LOW PRESSURE CUTOFF SWITCH USED FOR COMPRESSOR PROTECTION. CAUTION!! DO NOT JUMPER ACROSS SWITCH UNDER ANY CIRCUMSTANCES. TO DISABLE COMPRESSORS, REMOVE JUMPERS AND CONNECT FIELD SUPPLIED DEVICE.
- 7
- 8
- 9 XFR CAN BE FOUND ON LINES 21,26 & 173.
- 10 REMOVE JUMPER BETWEEN LTB-5 AND LTB-6 AND INSTALL FIELD PROVIDED DEVICE WHEN REQUIRED.
- 11 TO ENABLE COMPRESSOR LEAD/LAG OPERATION, CUT WIRE 36AG.
- 13 WIRING SHOWN IS FOR YC UNITS. FOR TE UNITS, MOVE WIRE W6 FROM TNS5 24V TERMINAL TO TNS1 24V TERMINAL.

- 15 INSTALL OPTIONAL REMOTE SENSOR TO TERMINALS S1 AND S2 WHEN REQUIRED. SEE PROGRAMMABLE ZONE SENSOR / REMOTE PANEL W/NSB LITERATURE FOR OPTION CONFIGURATION.
- 16 TERMINALS 7,8,9 & 10 ARE FOR OPTIONAL INDICATORS.
- 17 INSET D IS FOR OPTIONAL PROGRAMMABLE ZONE SENSOR.
- 18 AUXILIARY RELAY ENERGIZED DURING OCCUPIED PERIODS.
- 19 0-10 VDC DUCT MOUNTED SENSOR ONLY.
- 21 PROVIDE CONTACT CLOSURE BETWEEN RTOM J6-11 & RTOM J6-12 TO ENABLE UNOCCUPIED MODE WHEN NOT USING PROGRAMMABLE ZSM/REMOTE PANEL OR BMS.

• • LEGEND • •		
DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
CC1	COMPRESSOR CONTACTOR #1	136
CC2	COMPRESSOR CONTACTOR #2	137
CFS	CLOGGED FILTER SWITCH	171
CO2 SENSOR	CO2 SENSOR	175
COMM	COMMUNICATIONS MODULE	159
DT5	DISCHARGE TEMP SENSOR	165
ECA	ECONOMIZER ACTUATOR	167
F	IDM FAN CONTACTOR	135
FIRE PANEL	FIRE PANEL	175
FFS	FAN FAILURE SWITCH	173
FOS1	FROST STAT 1	179
HPC1	HIGH PRESSURE CUTOFF #1	136
HPC2	HIGH PRESSURE CUTOFF #2	137
LPC1	LOW PRESSURE CUTOFF #1	141
MAS	MIXED AIR SENSOR	167
OAS	OUTSIDE AIR SENSOR	139

• • LEGEND • •		
DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
ODF20	OUTDOOR FAN RELAY #20	143
OHS	OUTSIDE HUMIDITY SENSOR	173
RAS	RETURN AIR SENSOR	169
RHS	RETURN HUMIDITY SENSOR	171
RHT	RETURN HIGH TEMP.	139
RMP	REMOTE MINIMUM POSITION	171
RTOM	OPTIONS MODULE	153
RTRM	REFRIGERATION MODULE	134,168
SHT	SUPPLY HIGH TEMP.	139
THERMOSTAT	THERMOSTAT	148
TNS2	CONTROL TRANSFORMER	134
TNS5	CONTROL TRANSFORMER	132
WTL1	WINDING TEMP LIMIT #1	136
WTL2	WINDING TEMP LIMIT #2	137
XFR	EXHAUST FAN RELAY	173
ZSM	ZONE SENSOR MODULE	156,168



METAL PLATE 11 X 17

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REVISION DATE:
DRAWN BY: A.S. INCLTARY
CHECKED BY: P.D./E
CADD SYSTEM USED: 2009-12/19

2309-3834

CONTROL SCHEMATICS
8 TE 27.5-35 TON
208-230 VOLTS
CONSTANT VOLUME
MOD GAS HEAT

2309-3841

SHEET: 1 OF 1

REV: C