

 **WARNING**
HAZARDOUS VOLTAGE!
DISCONNECT ALL ELECTRIC POWER
INCLUDING REMOTE DISCONNECTS
BEFORE SERVICING.

AVERTISSEMENT
VOLTAGE HASARDEUX!
 DECONNECTEZ TOUTES LES SOURCES
 ELECTRIQUES INCLUANT LES
 DISJONCTEURS SITUES A DISTANCE
 AVANT D'EFFECTUER L'ENTRETIEN.
 FAUTE DE DECONNECTER LA SOURCE
 ELECTRIQUE AVANT D'EFFECTUER
 L'ENTRETIEN PEUT ENTRAÎNER DES
 BLESSURES CORPORELLES SEVERES
 OU LA MORT.

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.

* * * LEGEND * * *		
DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
CC1	COMPRESSOR CONTACTOR #1	136
CC2	COMPRESSOR CONTACTOR #2	137
CC3	COMPRESSOR CONTACTOR #3	138
CF5	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
FF5	FAN FAILURE SWITCH	173
FOS1	FROST STAT 1	179
FOS2	FROST STAT 2	179
HPC1	HIGH PRESSURE CUTOOUT #1	136
HPC2	HIGH PRESSURE CUTOOUT #2	137
LPC1	LOW PRESSURE CUTOOUT #1	141
LPC2	LOW PRESSURE CUTOOUT #2	143
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
WTL1	WINDING TEMP LIMIT #1	136
WTL2	WINDING TEMP LIMIT #2	137
WTL3	WINDING TEMP LIMIT #3	137
XFR	EXHAUST FAN RELAY	173
ZSM	ZONE SENSOR MODULE	156,166

NOTES:

1 WIRING SHOWN IS FOR 460V, 415V OR 380V. FOR 575V
MOVE ALL WIRES FROM 460V TERMINAL TO 575V
TERMINAL ON TNS2.

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.

3 WIRE NUMBER 36AE IS NOT USED FOR TE_600 & YC_600.

4 REQUIRED FOR OPTIONAL REFERENCE ENTHALPY CONTROL

5 REQUIRED FOR OPTIONAL COMPARATIVE ENTHALPY CONTROL

13 WIRING SHOWN IS FOR YC UNITS. FOR TE UNITS, MOVE WIRE W6 FROM TNS2 24V TERMINAL TO TNS1 24V TERMINAL.

6 LPC1 & LPC2 ARE LOW PRESSURE CUTOUT SWITCHES USED FOR COMPRESSOR PROTECTION. CAUTION!! DO NOT JUMPER ACROSS SWITCHES UNDER ANY CIRCUMSTANCES. TO DISABLE COMPRESSORS, REMOVE JUMPERS AND CONNECT FIELD SUPPLIED DEVICE.

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.

INSET D IS FOR OPTIONAL PROGRAMMABLE ZONE SENSOR.

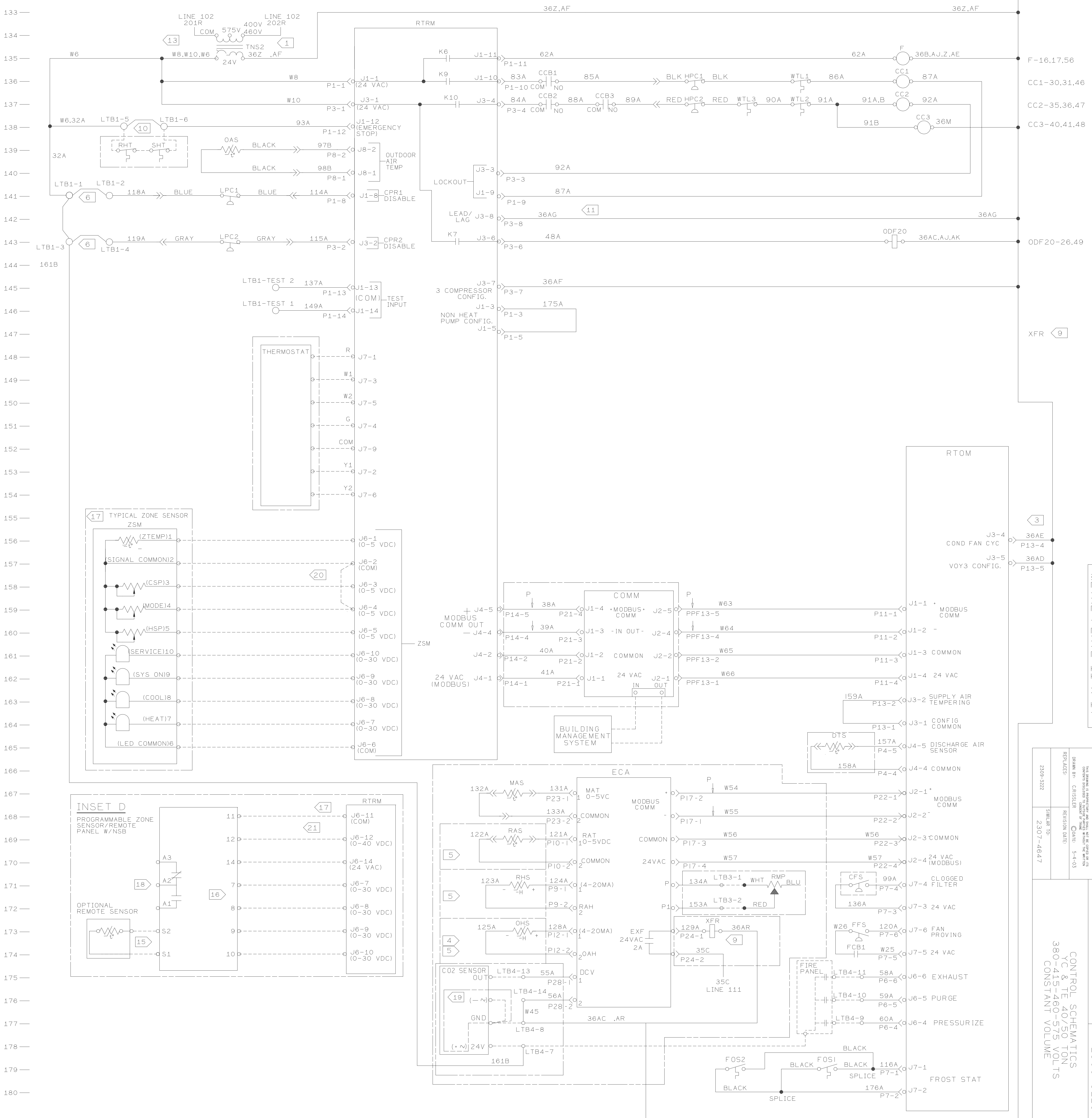
18 AUXILIARY RELAY ENERGIZED DURING OCCUPIED PERIODS.

19 0-10 VDC DUCT MOUNTED SENSOR ONLY.

20 PROVIDE JUMPER BETWEEN RTRM J6-2 & RTRM J6-4 TO
ENABLE AUTO MODE WHEN NO OTHER MODE INPUT IS USED.

21 PROVIDE CONTACT CLOSURE BETWEEN RTRM J6-11 & RTRM J6-12 TO ENABLE UNOCCUPIED MODE WHEN NOT USING PROGRAMMABLE ZSM/REMOTE PANEL OR BMS.

9 XFR CAN BE FOUND ON LINES 21,26 & 173.



METAL PLATE 11 X 17

TRANE	FILE NUMBER
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DRAWING NUMBER: _____

REV

CONTROL SCHEMATICS
YC & TE 40/50 TON
380-415-460-575 VOLTS
CONSTANT VOLUME