

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

FAILURE TO DISCONNECT POWER
BEFORE SERVICING CAN CAUSE SEVERE
PERSONAL INJURY OR DEATH.

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 ENTRAENER DES
 BLESSURES CORPORELLES SEVERES
 OU LA MORT.

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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
CFS	CLOGGED FILTER SWITCH	171
CO2 SENSOR	CO2 SENSOR	175
COMM	COMMUNICATIONS MODULE	159
DTS	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 CUTOUT #1	136
HPC2	HIGH PRESSURE CUTOUT #2	137
LPC1	LOW PRESSURE CUTOUT #1	141
MAS	MIXED AIR SENSOR	167
OAS	OUTSIDE AIR SENSOR	139

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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
ZFR	EXHAUST FAN RELAY	173
XSM	ZONE SENSOR MODULE	156,168

NOTES:

3	WIRE NUMBER 36AE IS NOT USED FOR TE-420 & YC-420.
4	REQUIRED FOR OPTIONAL REFERENCE ENTHALPHY CONTROL
5	REQUIRED FOR OPTIONAL COMPARATIVE ENTHALPHY CONTROL
6	LP41 IS A LOW PRESSURE CUTOUT SWITCH USED FOR COMPRESSOR PROTECTION. JUMPERS DO NOT JUMP ACROSS SWITCH UNDER ANY CIRCUMSTANCES. TO DISABLE COMPRESSORS, REMOVE JUMPERS AND CONNECT FIELD SUPPLIED DEVICE.

10 REMOVE JUMPER BETWEEN LTB-5 AND LTB-8 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 TNS2 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.

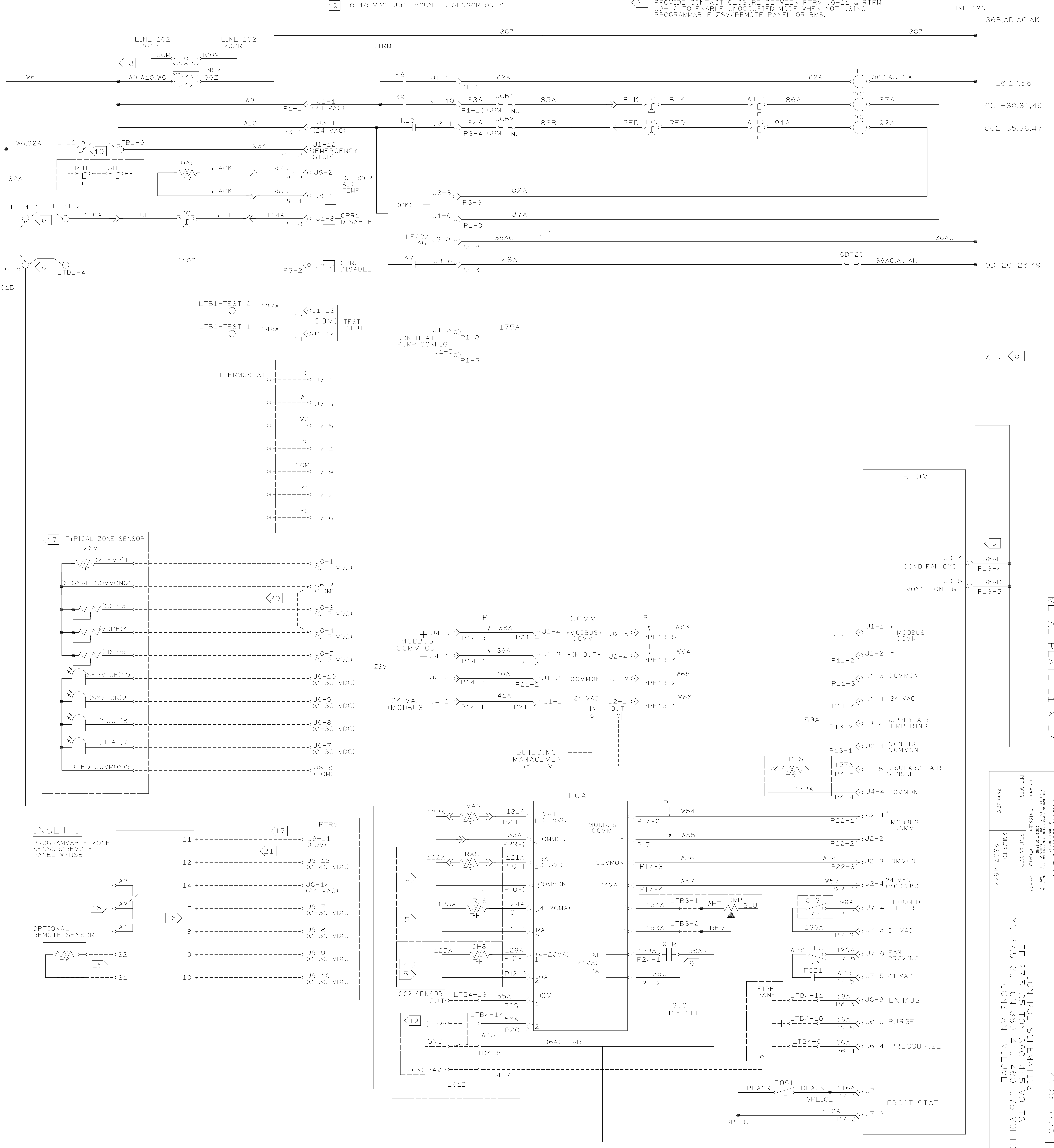
17 INSET D IS FOR OPTIONAL PROGRAMMABLE ZONE SENSOR.

18 AUXILIARY RELAY ENERGIZED DURING OCCUPIED PERIODS.

19 0-10 VDC DUCT MOUNTED SENSOR ONLY.

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.



METAL PLATE 11 X 17

7731 N.E. A DIVISION OF METALLURGICAL STANDARD, INC. 1000 DARTMOUTH STREET, SUITE 200 PORTLAND, OREGON 97208 PHONE (503) 281-1111 FAX (503) 281-1112 CIRCLE 10 ON READER SERVICE CARD	FILE NUMBER 2309-3225	DRAWING NUMBER 2309-3225
DRAWING NO. CR-5181 REVISION DATE 5-1-03	CONTROL SCHEMATICS TE 275-35 TON 380-415 VOLTS TON 380-415 TON 460-575 VOLTS CONSTANT VOLUME	
2309-3222 2307-4644		