

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 ENTRAENER 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.

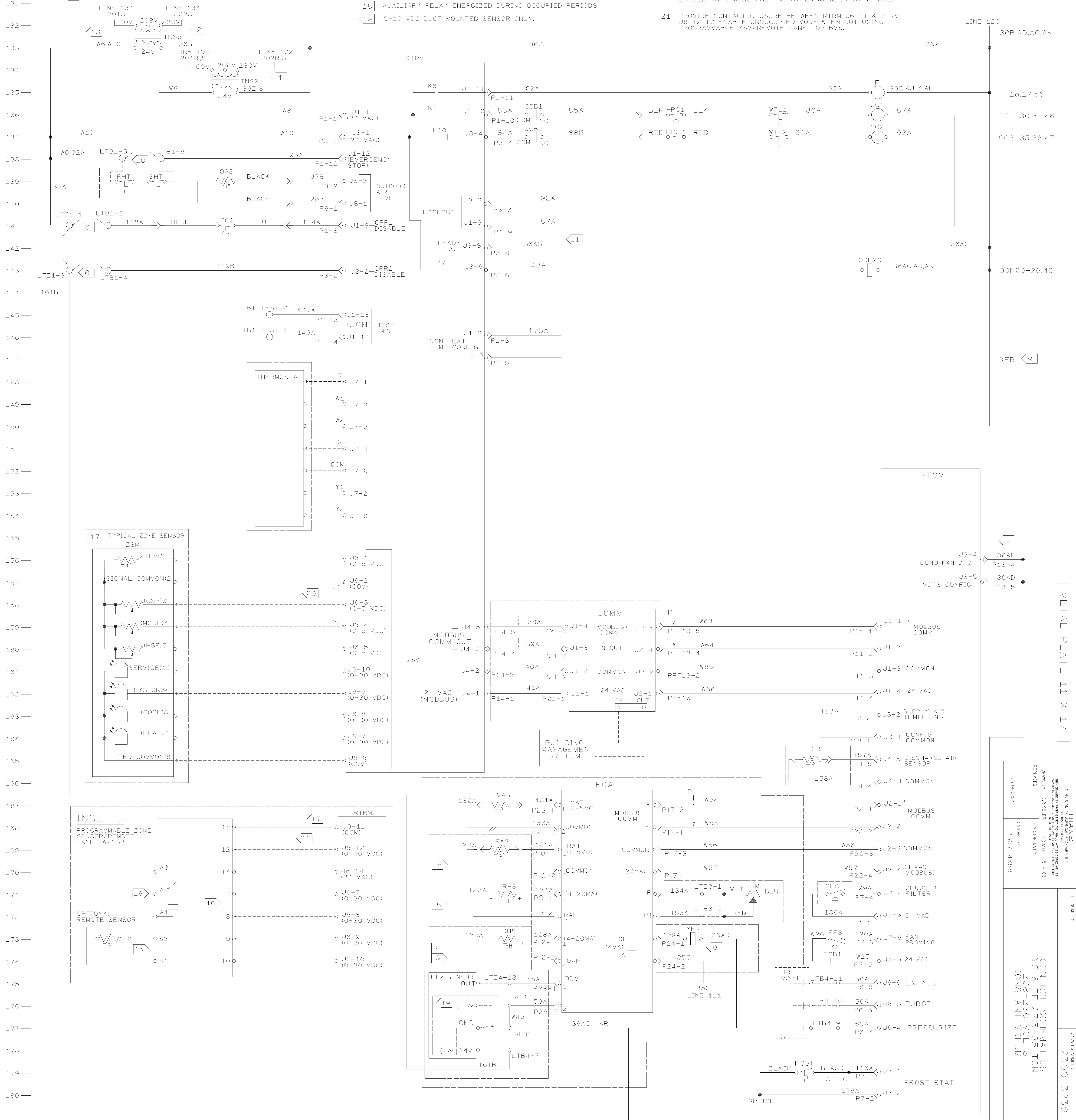
* * * LEGEND * * *		
DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
CC1	COMPRESSOR CONTACTOR #1	136
CC2	COMPRESSOR CONTACTOR #2	137
CFS	CLOGGED FILTER SWITCH	171
CO2 SENSOR	CO2 SENSOR	175
COMM	COMMUNICATIONS MODULE	159
DT5	DISCHARGE TEMP SENSOR	165
ECA	ECONOMIZER ACTUATOR	167
F	IDM FAN CONTACTOR	135
FIRE PANEL	FIRE PANEL	175
FFS	FAN FAILURE SWITCH	173
FOS1	FROST STAT 1	179
HPC1	HIGH PRESSURE 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

* * * 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	156,169

NOTES:

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|---|---|----|---|
| 1 | WIRING SHOWN IS FOR 230V. FOR 208V MOVE ALL WIRES FROM 230V TERMINAL TO 208V TERMINAL ON TNS2. | 10 | REMOVE JUMPER BETWEEN LT8-5 AND LT8-6 AND INSTALL FIELD PROVIDED DEVICE WHEN REQUIRED. |
| 2 | WIRING SHOWN IS FOR 230V. FOR 208V MOVE ALL WIRES FROM 230V TERMINAL TO 208V TERMINAL ON TNS5. | 11 | TO ENABLE COMPRESSOR LEAD/LAG OPERATION, CUT WIRE 36AG. |
| 3 | WIRE NUMBER 36AE IS NOT USED FOR TE_420 & YC_420. | | |
| 4 | REQUIRED FOR OPTIONAL REFERENCE ENTHALPY CONTROL | 13 | WIRING SHOWN IS FOR YC UNITS. FOR TE UNITS, MOVE WIRE W6 FROM TNS5 24V TERMINAL TO TNS1 24V TERMINAL. |
| 5 | REQUIRED FOR OPTIONAL COMPARATIVE ENTHALPY CONTROL | | |
| 6 | LPC1 IS A LOW PRESSURE CUTOUT SWITCH USED FOR COMPRESSOR PROTECTION. CAUTION!! DO NOT JUMPER ACROSS SWITCH 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 REMOTE SENSOR / REMOTE PANEL W/NSB LITERATURE FOR OPTION CONFIGURATION. |
| | | 16 | TERMINALS 7,8,9 & 10 ARE FOR OPTIONAL INDICATORS. |
| 9 | XFR CAN BE FOUND ON LINES 21,26 & 173. | 17 | INSET D IS FOR OPTIONAL PROGRAMMABLE ZONE SENSOR. |
| | LINE 134
201S | 18 | AUXILIARY RELAY ENERGIZED DURING OCCUPIED PERIODS. |
| | LINE 134
202S | 19 | 0-10 VDC DUCT MOUNTED SENSOR ONLY. |
| | FROM 208V 230V | | |

- 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

TRAN OF AMERICAN STANDARD INC	FILE NUMBER
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DRAWING NUMBER: 7070

REV

CONTROL SCHEMATICS
YC & TE 27.5-35 TON
208-230 VOLTS
CONSTANT VOLUME