

NOTES:

- 1 WIRING SHOWN IS FOR 230V. FOR 208V MOVE ALL WIRES FROM 230V TERMINAL TO 208V TERMINAL ON TNS1,TNS2 AND TNS5.
- 3 WIRE NUMBER 36AE IS NOT USED FOR TC-420.
- 4 REQUIRED FOR OPTIONAL REFERENCE ENTHALPY CONTROL
- 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.
- 9 XFR CAN BE FOUND ON LINES 21,26 & 113.
- 10 REMOVE JUMPER BETWEEN LTB-5 AND LTB-6 AND INSTALL FIELD PROVIDE DEVICE WHEN REQUIRED.
- 11 TO ENABLE COMPRESSOR LEAD/LAG OPERATION, CUT WIRE 36AG.
- 15 INSTALL OPTIONAL REMOTE SENSOR TO TERMINALS S4 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 INSERT D IS FOR OPTIONAL PROGRAMMABLE ZONE SENSOR.
- 18 AUXILIARY RELAY ENERGIZED DURING OCCUPIED PERIODS.
- 19 0-10 VDC DCT 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 NO USING PROGRAMMABLE ZSM/REMOTE PANEL OR BMS.

 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.

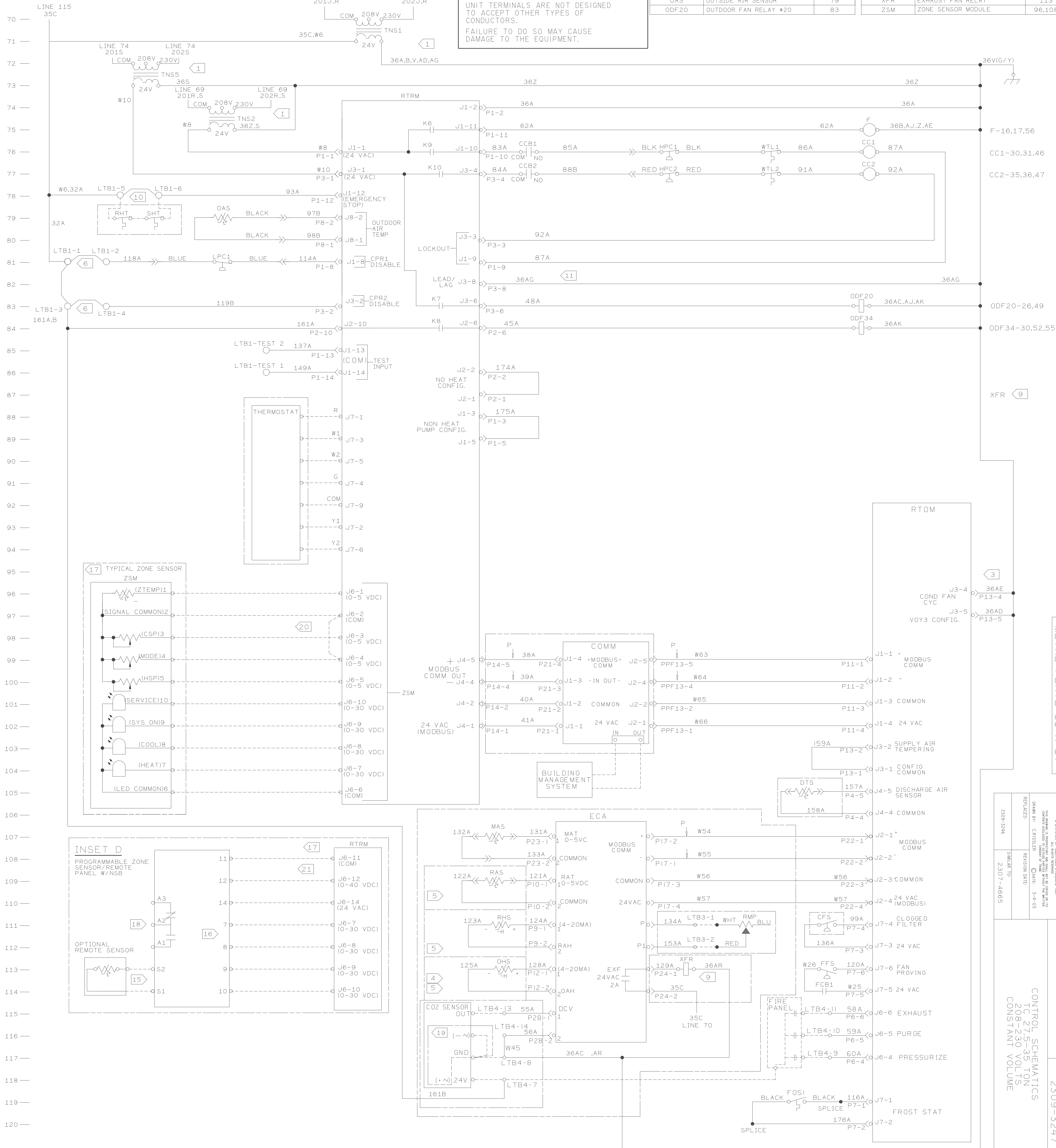
FAUTE DE DECONNECTER LA SOURCE
ELECTRIQUE AVANT D'EFFECTUER
L'ENTRETIEN PEUT ENTRAINER DES
BLESSURES CORPORELLES SEVERES
OU LA MORT.

 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	76
CC2	COMPRESSOR CONTACTOR #2	77
CFS	CLOGGED FILTER SWITCH	111
C02 SENSOR	C02 SENSOR	115
COMM	COMMUNICATIONS MODULE	99
DT5	DISCHARGE TEMP SENSOR	105
ECA	ECONOMIZER ACTUATOR	107
F	IDM FAN CONTACTOR	75
FFS	FAN FAILURE SWITCH	113
FIRE PANEL	FIRE PANEL	115
F0S1	FROSTAT 1	119
HPC1	HIGH PRESSURE CUTOOUT #1	76
HPC2	HIGH PRESSURE CUTOOUT #2	77
LPC1	LOW PRESSURE CUTOOUT #1	81
MAS	MIXED AIR SENSOR	107
OAS	OUTSIDE AIR SENSOR	79
ODF20	OUTDOOR FAN RELAY #20	83

* * * LEGEND * * *		
DEVICE DESIGNATION	DESCRIPTION	LINE NUMBER
ODF34	OUTDOOR FAN RELAY #34	84
OHS	OUTSIDE HUMIDITY SENSOR	113
RAS	RETURN AIR SENSOR	109
RHS	RETURN HUMIDITY SENSOR	111
RHT	RETURN HIGH TEMP.	79
RMP	REMOTE MINIMUM POSITION	111
RTOM	OPTIONS MODULE	93
RTRM	REFRIGERATION MODULE	74,108
SHT	SUPPLY HIGH TEMP.	79
THERMOSTAT	THERMOSTAT	88
TNS1	CONTROL TRANSFORMER	70
TNS2	CONTROL TRANSFORMER	74
TNS5	CONTROL TRANSFORMER	72
WTL1	WINDING TEMP LIMIT #1	76
WTL2	WINDING TEMP LIMIT #2	77
XFR	EXHAUST FAN RELAY	113
ZSM	ZONE SENSOR MODULE	96,108



METAL PLATE 11 X 17

TRANE
A DIVISION OF AMERICAN STANDARD INC.

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DRAWN BY: C. RISSLER	DATE: 5-4-03
REPLACES:	REVISION DATE:
2300-3246	SIMILAR TO:

CONTROL SCHEMATIC
TC 27.5-35 TON
208-230 VOLTS
CONSTANT VOLUME