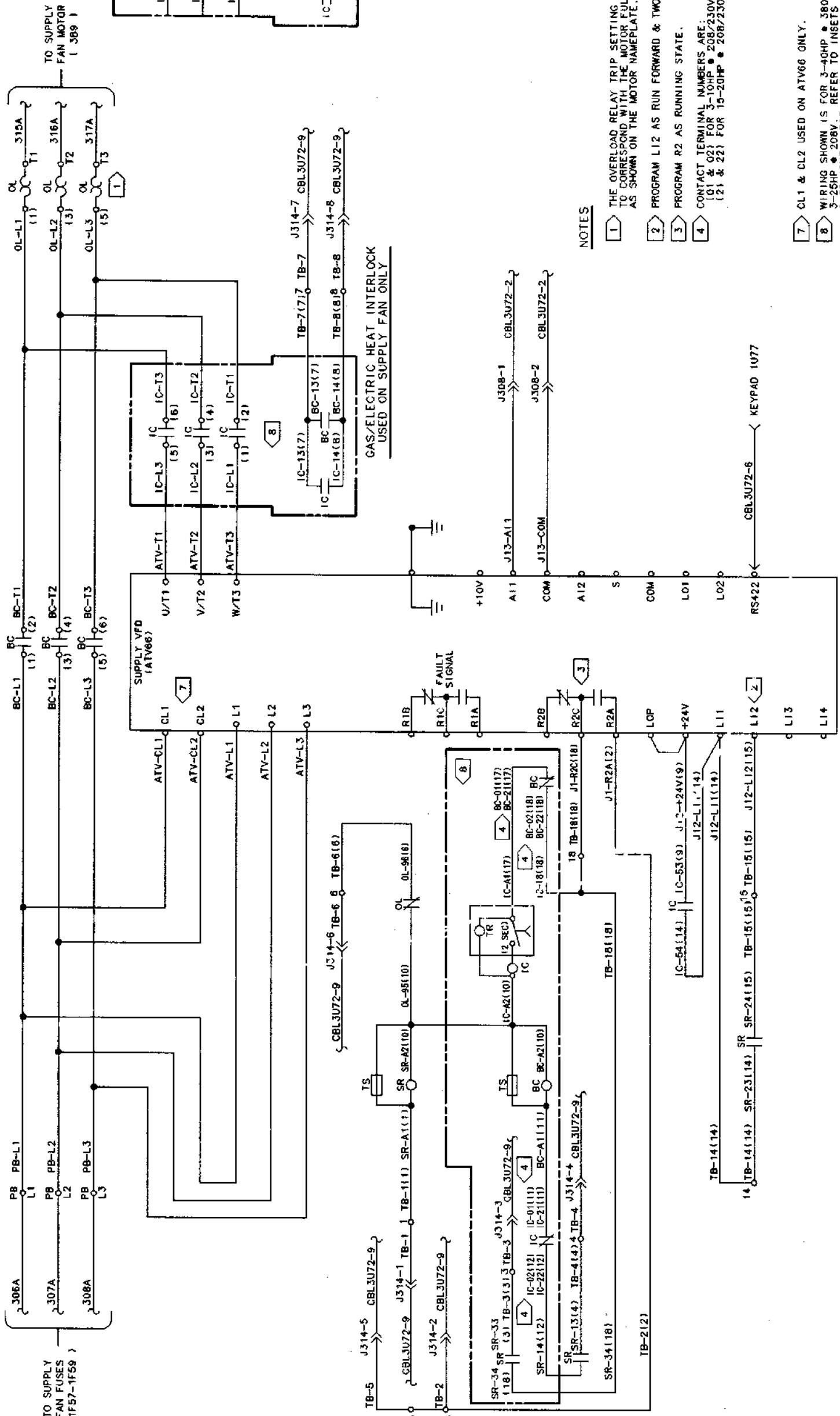
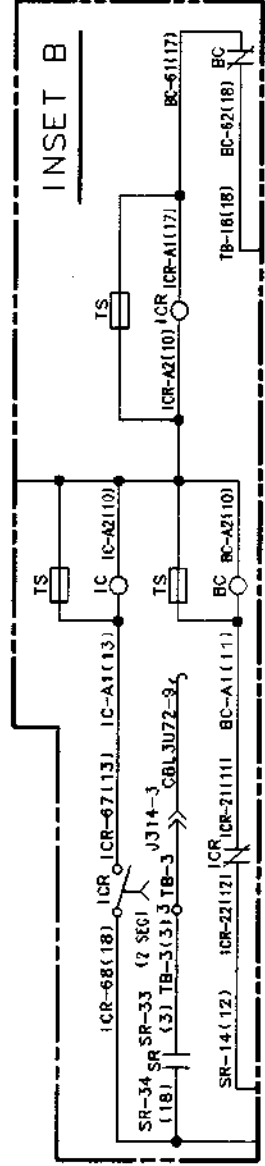


IMPORTANT!
DO NOT ENERGIZE
UNIT UNTIL THE
WIRING PROCEDURE
HAS BEEN COMPLETED



- NOTES
- 1 THE OVERLOAD RELAY TRIP SETTING MUST BE ADJUSTED TO CORRESPOND WITH THE MOTOR FULL LOAD CURRENT AS SHOWN ON THE MOTOR NAMEPLATE.
 - 2 PROGRAM L12 AS RUN FORWARD & TWO WIRE CONTROL.
 - 3 PROGRAM P2 AS RUNNING STATE.
 - 4 CONTACT TERMINAL NUMBERS ARE:
121 & 221 FOR 15-30HP • 208/230V, 25-40HP • 380-480V, 121 & 221 FOR 15-30HP • 208/230V, 25-40HP • 380-480V.

- 7 CL1 & CL2 USED ON ATV66 ONLY.
- 8 WIRING SHOWN IS FOR 3-40HP & 380-480V, 3-30HP & 230V & 30-40HP & 208V WIRING.



ABBREVIATIONS	
BC	BYPASS CONTACTOR
IC	ISOLATION CONTACTOR
OL	OVERLOAD
SR	START RELAY
TS	TERMINAL BLOCK
TR	TIME DELAY RELAY
TS	TRANSIENT SUPPRESSOR
VFD	VARIABLE FREQUENCY DRIVE

DEVICE PREFIX LOCATION CODE	
AREA	LOCATION
1	INSIDE UNIT CONTROL BOX
2	CONDENSER SECTION
3	AIR HANDLER SECTION
4	HEATING SECTION
5	EXTERNAL FIELD MOUNTED DEVICE

3U72 SUPPLY VFD ASSEMBLY

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
D'ÉLECTRICITÉ Y COMPRIS LES
DISJONCTEURS SITUÉS À DISTANCE
AVANT D'EFFECTUER L'ENTRETIEN.
FAUTE DE DECONNECTER LA SOURCE
ÉLECTRIQUE AVANT D'EFFECTUER
L'ENTRETIEN PEUT CAUSER DE
BLESSURES CORPORELLES SÈVES
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.

10 X 15 METAL PROOF

REPLACES: 2307-4328

REVISION DATE: THE TRANE COMPANY
A DIVISION OF
AMERICAN STANDARD, INC.

DRAWN BY: B. SMALLING

DATE: 11/5/97

FILE NUMBER: 2307-4311

REV: A

ROOFTOP PACKAGED AIR CONDITIONER
SCHEMATIC & CONNECTION WIRING DIAGRAM
SUPPLY FAN VARIABLE FREQUENCY
DRIVE WITH BYPASS CONTROL W/O LINE REACTOR
20 - 75 TON S.H.F.
(3U72)

