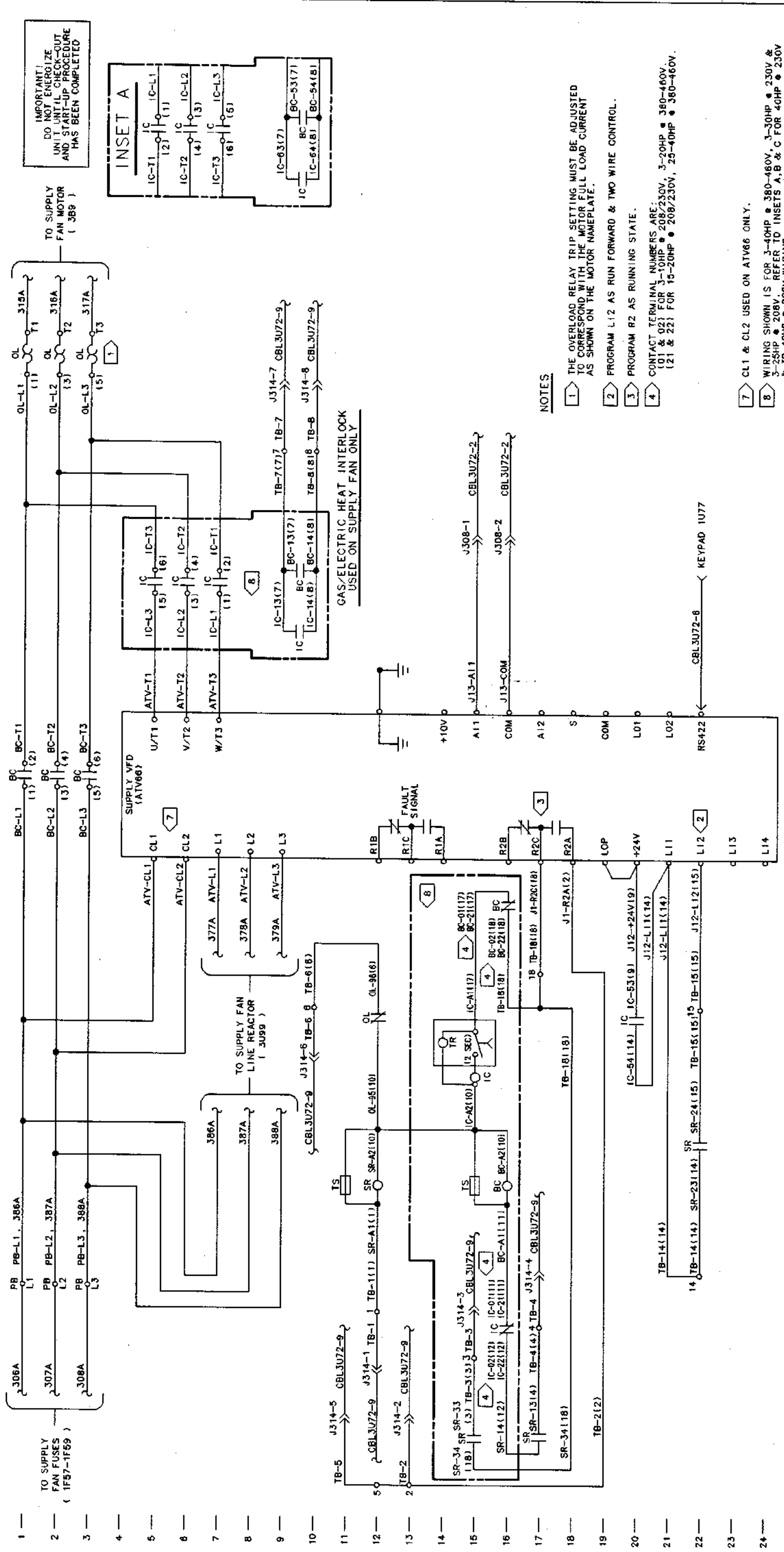




NOTES

- 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 L12 AS RUN FORWARD & TWO WIRE CONTROL.
- 4 CONTACT TERMINAL NUMBERS ARE: (01 & 02) FOR 3-10HP • 208/230V, 3-20HP • 380-460V (21 & 22) FOR 10-20HP • 208/230V, 25-40HP • 380-460V
- 7 CL1 & CL2 USED ON ATV66 ONLY.
- 8 WIRING SHOWN IS FOR 3-40HP • 380-460V, 3-20HP • 230V & 3-25HP • 208V. REFER TO INSETS A,B & C FOR 40HP • 230V & 50-40HP • 208V WIRING.

10 X 15 METAL PROOF

REPLACES: 2307-4326

REVISION DATE: 11/5/97

THE TRANE COMPANY

2307 3832

FILE NUMBER: 2307-4329

REV: A

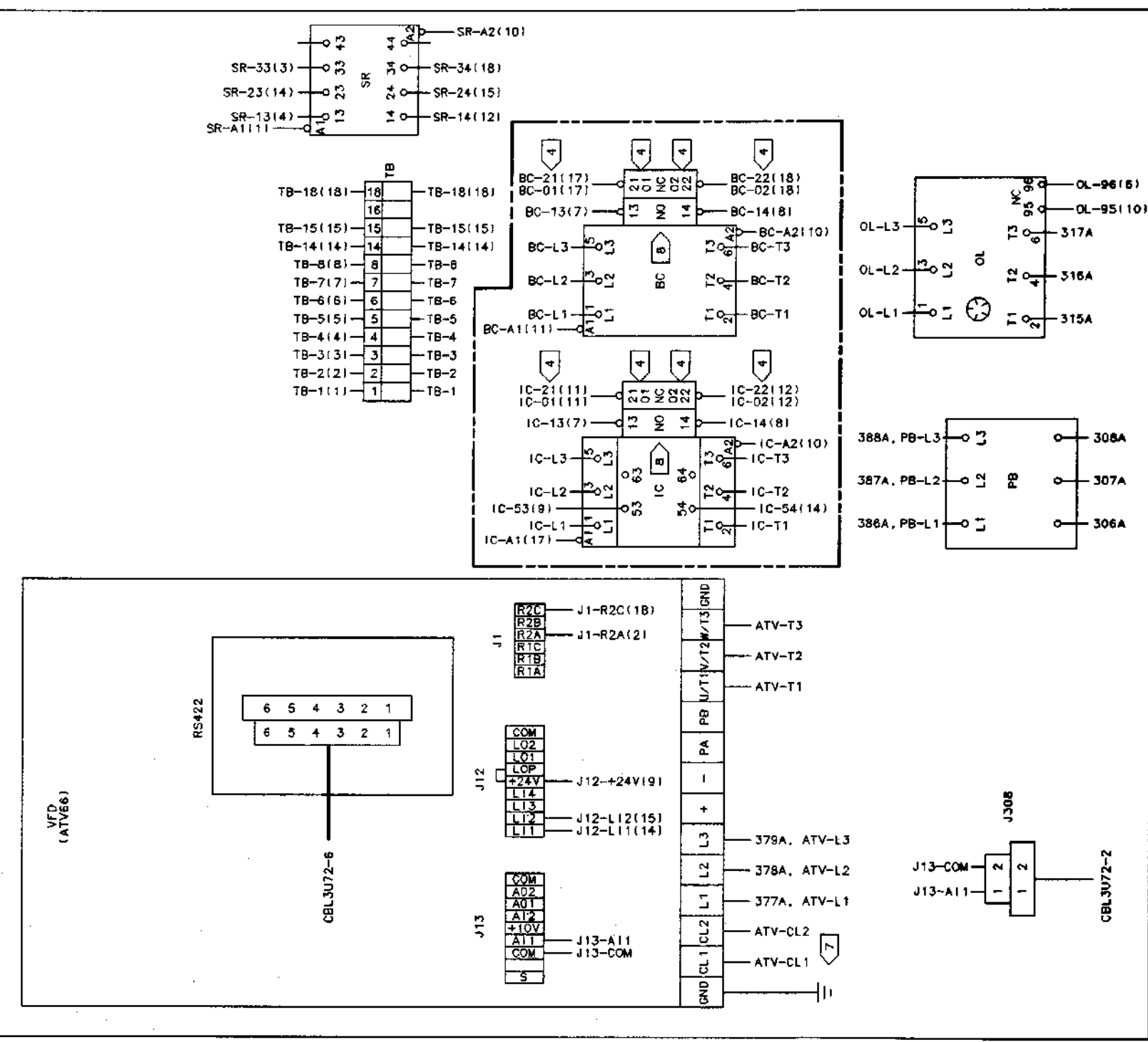
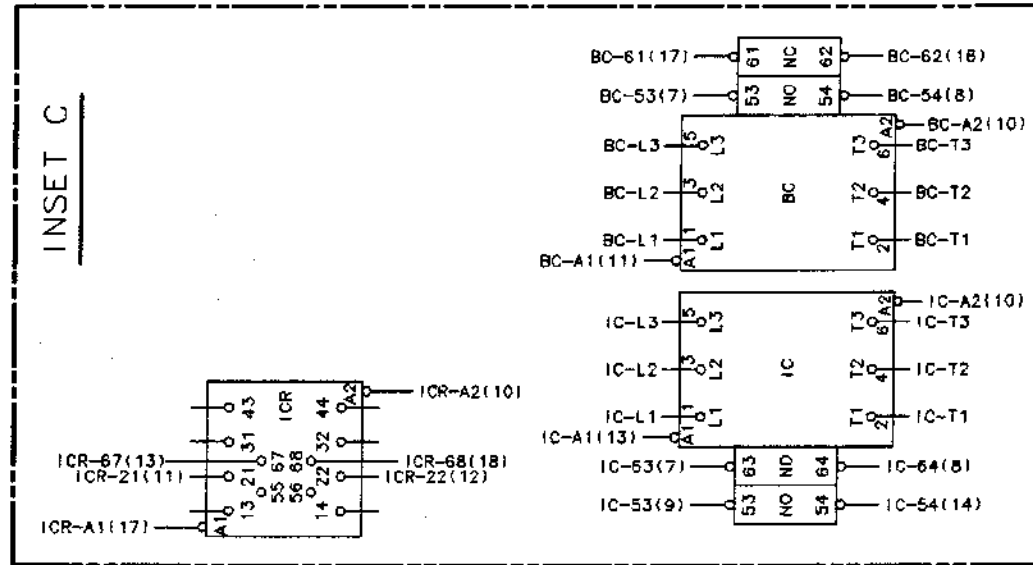
ROOFTOP PACKAGED AIR CONDITIONER

SCHEMATIC & CONNECTION WIRING DIAGRAM

SUPPLY FAN VARIABLE FREQUENCY

DRIVE WITH BYPASS CONTROL W/ LINE REACTOR

20 TON S.H.F. (3U72)



WARNING

HAZARDOUS VOLTAGE!
DISCONNECT ALL ELECTRIC POWER
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.
L'ENTRETIEN PEUT ENTRAINER DES
LESIONS CORPORELLES SEVERES
OU LA MORT.

CAUTION

USE COPPER CONDUCTORS ONLY!
UNIT TERMINALS ARE NOT DESIGNED
FOR ALUMINUM OR OTHER TYPES OF
CONDUCTORS.
FAILURE TO DO SO MAY CAUSE
DAMAGE TO THE EQUIPMENT.

ABBREVIATIONS
BC BYPASS CONTACTOR
IC ISOLATION CONTACTOR RELAY
OL OVERLOAD
PP POWER BLOCK
SR START RELAY
TB 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