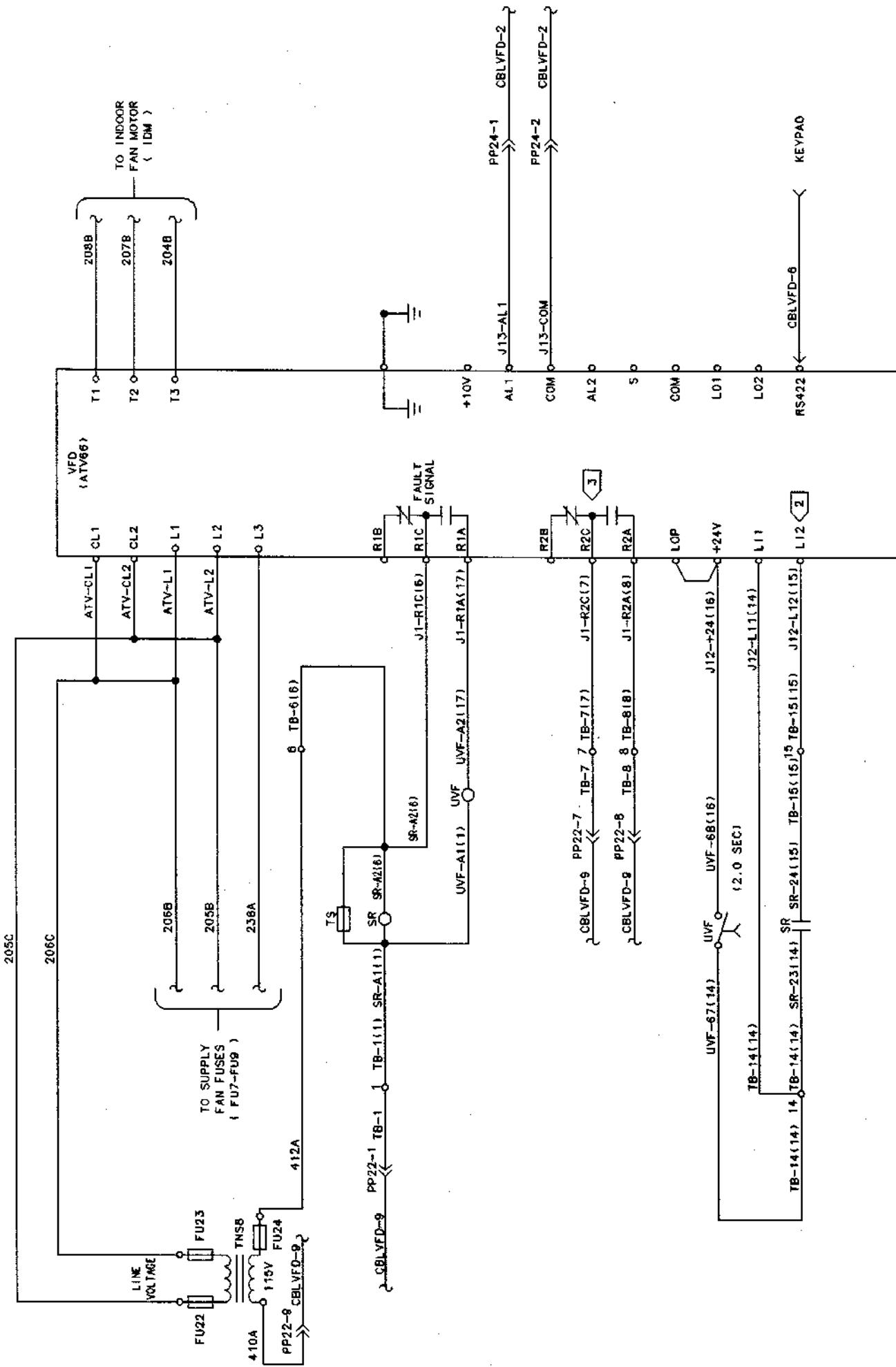


IMPORTANT!
DO NOT ENERGIZE
UNIT UNTIL THE
AND START-UP PROCEDURE
HAS BEEN COMPLETED



WARNING
HAZARDOUS VOLTAGE!
DISCONNECT ALL ELECTRIC POWER
INCLUDING REMOTE DISCONNECTS
BEFORE SERVICING. CAUTION
FAN MOTOR COULD 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.
LE FAN MOTOR COULD CAUSE SEVERE
PERSONAL INJURY OR DEATH.

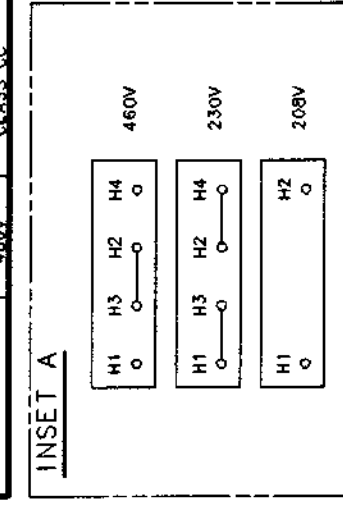
CAUTION
USE COPPER CONDUCTORS ONLY!
UNIT TERMINALS ARE NOT DESIGNED
TO ACCEPT OTHER TYPES OF
CONDUCTORS.
FAILURE TO DO SO MAY CAUSE
DAMAGE TO THE EQUIPMENT.

NOTES

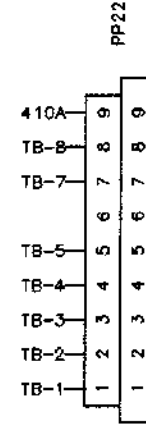
- PROGRAM CONTROL FOR 2 WIRE CONTROL.
- PROGRAM R2 AS RUNNING STATE.
- SEE INSET A FOR PROPER JUMPER CONFIGURATION OF TNSR.

SQUARE D VARIABLE FREQUENCY DRIVE SETTING SUMMARY	
DESCRIPTION	SETTING
4.0 DISPLAY CONFIGURATION	2 BAR GRAPH, 10 Hz AND AMP.
6.1 TORQUE TYPE	VARIABLE LOW NOISE
6.3 MOTOR POWER (1-3 HP ONLY)	1, 2, OR 3 HP
7.11 MOTOR OVERLOAD	MOTOR NAMEPLATE FLA
7.11 DAMPING	100%
7.11 BY FREQUENCY LEVEL-0	
7.11 CURRENT LIMIT	CURRENT LIMIT =
7.12 MAX FREQUENCY	60 HZ
7.12 LOW SPEED	22 HZ
7.12 ACCELERATION	30 SEC
7.12 DECELERATION	30 SEC
7.13 CONTROL TYPE	NULD
7.2 SPEED REFERENCE	SPEED REF 2 = A12
7.2 MULTIPLY BY (1-1) = YES	
7.2 CLAMP SUM = YES	
7.2 BYPASS I/O (UNIT W/ BYPASS)	RUN OUTPUT COMMAND-R2
7.3 RUN OUTPUT COMMAND-R2	
7.4 OUTPUT PHASE FAULT	YES
7.4 UNIT W/ BYPASS	
7.4 AUTO-RESTART	NUMBER OF RESTARTS=3 DELAY TIME=10 SECONDS
7.4 INPUT PHASE FAILURE	NO
7.4 SOFTWARE LOCKING	PARTIAL UNLOCK
10 UNIT W/ BYPASS	

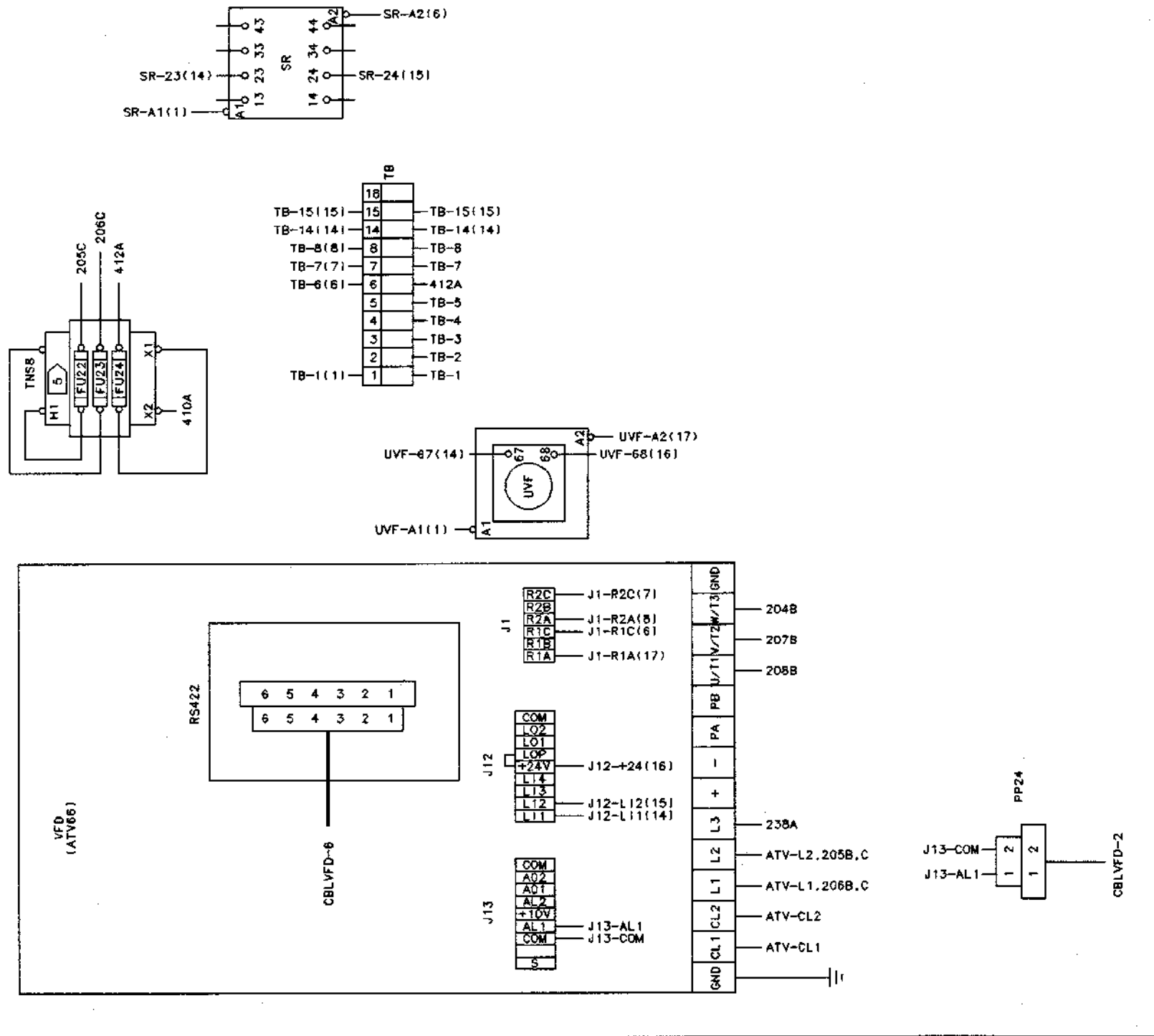
FUSE REPLACEMENT TABLE	
HIGH EFFICIENCY MOTORS	
VFD CIRCUIT FUSE	UNIT FUSE
10 HP	7.5 HP
15 HP	10 HP
20 HP	15 HP
25 HP	20 HP
30 HP	25 HP
35 HP	30 HP
40 HP	35 HP
45 HP	40 HP
50 HP	45 HP
55 HP	50 HP
60 HP	55 HP
65 HP	60 HP
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80 HP	75 HP
85 HP	80 HP
90 HP	85 HP
95 HP	90 HP
100 HP	95 HP
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115 HP	110 HP
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990 HP	985 HP
995 HP	990 HP
1000 HP	995 HP



SCHEMATIC & CONNECTION WIRING DIAGRAM
10 X 15 METAL PROOF
DRIVE WITHOUT BYPASS SWITCH WIRING
27.5 - 50 TON TC, TC, TE 208/230 VOLT



VFD ASSEMBLY



ABBREVIATIONS	
ATV	POWER BLOCK
SR	START RELAY
TB	TERMINAL BLOCK
TNSR	V.F.D. TRANSFORMER
TS	TRANSIENT SUPPRESSOR
UVF	TIME-DELAY RELAY
VFD	VARIABLE FREQUENCY DRIVE