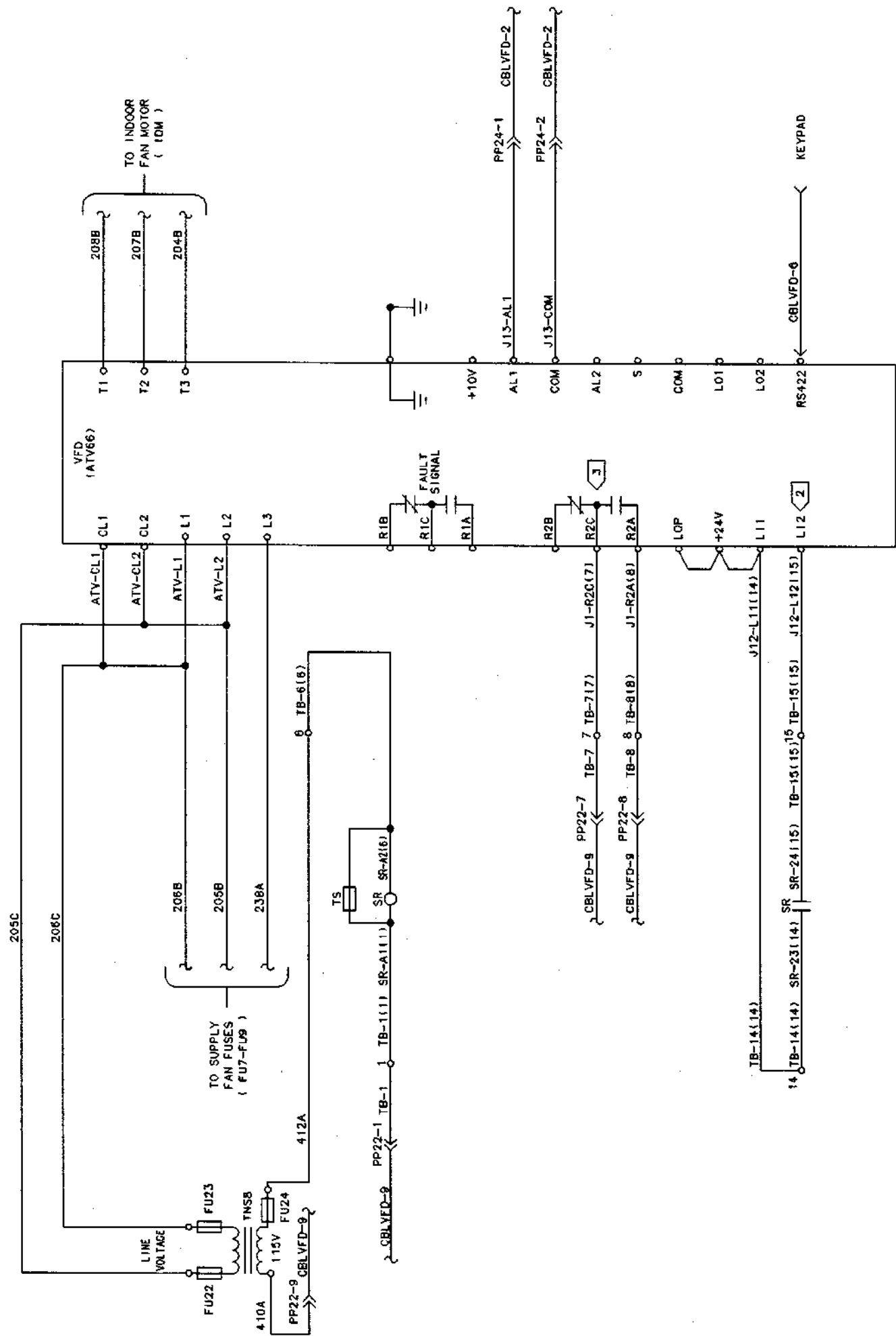


IMPORTANT!
DO NOT SERVICE
UNIT UNTIL CHECK-OUT
AND START-UP PROCEDURE
HAS BEEN COMPLETED



WARNING
HAZARDOUS VOLTAGE!
DISCONNECT ALL ELECTRIC POWER
INCLUDING REMOTE DISCONNECTS
BEFORE SERVICING.
FAILURE TO DISCONNECT POWER
BEFORE SERVICING MAY 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 PEUT CAUSER DE
BLESSEURES CORPORELLES SEVERES
OU LA MORT.

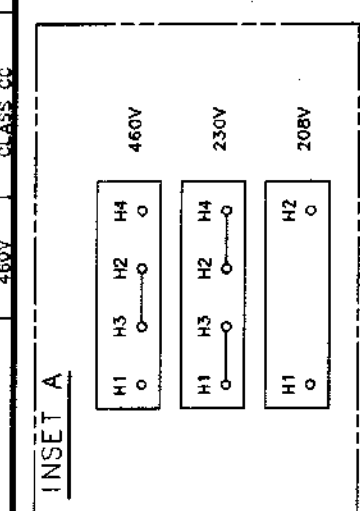
CAUTION
USE COPPER CONDUCTORS ONLY!
UNIT TERMINALS ARE NOT DESIGNED
TO ACCEPT OTHER TYPES OF
CONDUCTORS.
FAILURE TO DO SO MAY CAUSE
DAMAGE TO THE EQUIPMENT.

NOTES

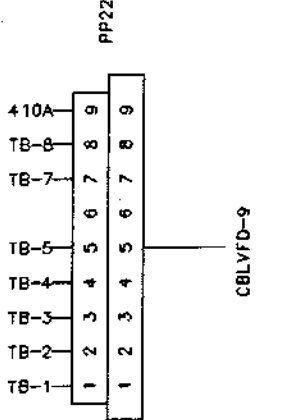
- PROGRAM CONTROL FOR 2 WIRE CONTROL.
- PROGRAM R2 AS RUNNING STATE.
- SEE INSET A FOR PROPER JUMPER CONFIGURATION OF INSB.

SQUARE D VARIABLE FREQUENCY DRIVE FACTORY SETTING SUMMARY	
MENU	DESCRIPTION
4.0	DISPLAY CONFIGURATION
6.1	TORQUE TYPE
6.3	MOTOR POWER (1-3 HP ONLY)
7.11	MOTOR OVERLOAD
7.11	DAMPING
7.11	BY FREQUENCY LEVEL=0
7.11	CURRENT LIMIT
7.12	MAX FREQUENCY
7.12	LOW SPEED
7.12	ACCELERATION
7.12	DECELERATION
7.13	CONTROL TYPE
7.2	SPEED REFERENCE
7.2	BYPASS I/O (UNIT W/ BYPASS)
7.3	RELAY OUTPUT R2
7.4	OUTPUT PHASE FAULT
7.4	UNIT W/ BYPASS
7.4	AUTO-RESTART
7.4	NUMBER OF RESTARTS=3
7.4	DELAY TIME=10 SECONDS
7.4	UNIT PHASE FAILURE
7.4	SOFTSTART LOCKOUT
7.4	UNIT W/ BYPASS
10	PARTIAL UNLOCK

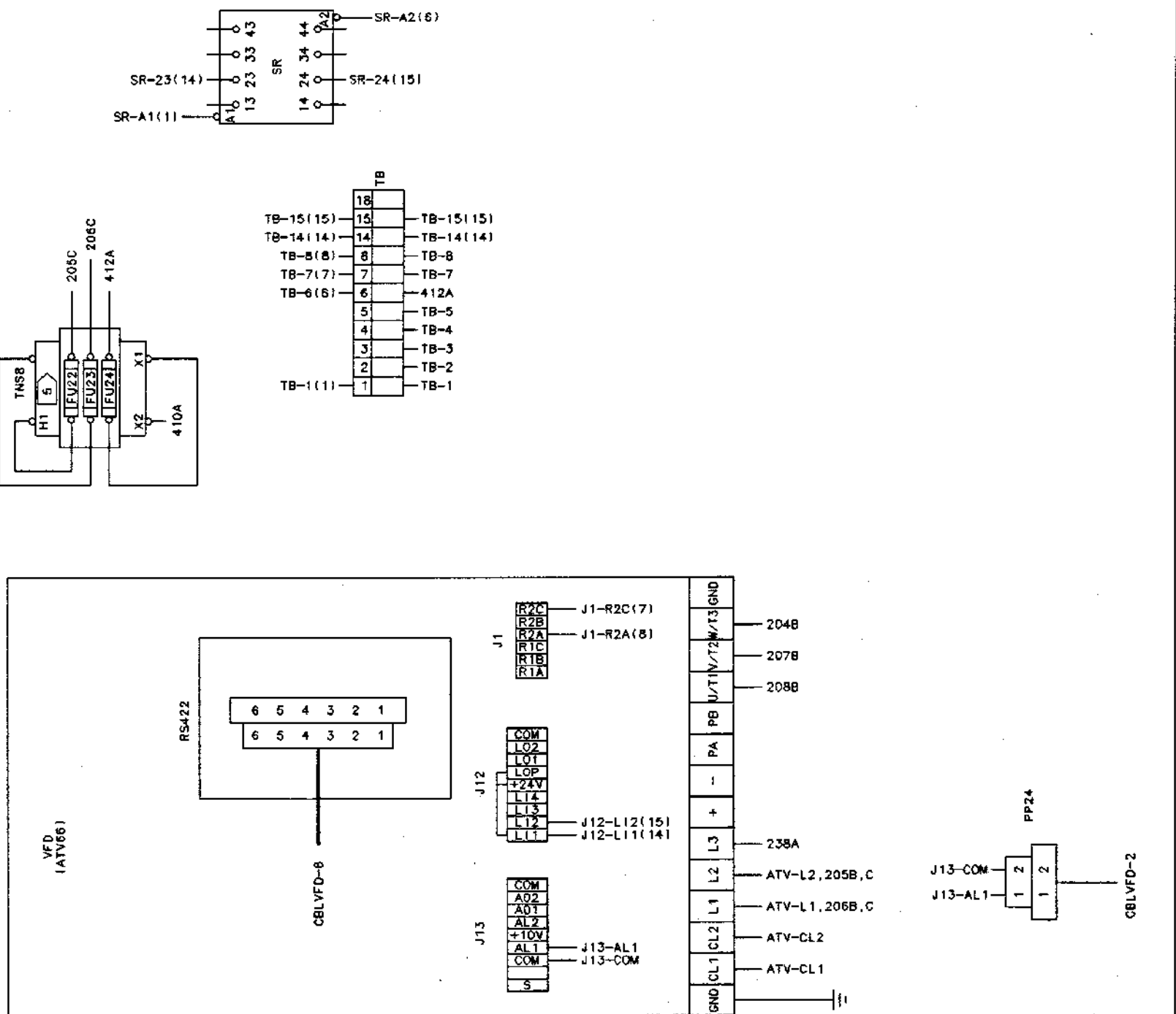
FUSE REPLACEMENT TABLE	
HIGH EFFICIENCY MOTORS	
VFD CIRCUIT FUSE	UNIT FUSE
FU22	200V/60/3 600V 80A 100A 125A 150A
FU23	200V/60/3 600V 80A 100A 125A 150A
FU24	200V/60/3 600V 80A 100A 125A 150A
FU25	200V/60/3 600V 80A 100A 125A 150A
FU26	200V/60/3 600V 80A 100A 125A 150A
FU27	200V/60/3 600V 80A 100A 125A 150A
FU28	200V/60/3 600V 80A 100A 125A 150A
FU29	200V/60/3 600V 80A 100A 125A 150A
FU30	200V/60/3 600V 80A 100A 125A 150A
FU31	200V/60/3 600V 80A 100A 125A 150A
FU32	200V/60/3 600V 80A 100A 125A 150A
FU33	200V/60/3 600V 80A 100A 125A 150A
FU34	200V/60/3 600V 80A 100A 125A 150A
FU35	200V/60/3 600V 80A 100A 125A 150A
FU36	200V/60/3 600V 80A 100A 125A 150A
FU37	200V/60/3 600V 80A 100A 125A 150A
FU38	200V/60/3 600V 80A 100A 125A 150A
FU39	200V/60/3 600V 80A 100A 125A 150A
FU40	200V/60/3 600V 80A 100A 125A 150A
FU41	200V/60/3 600V 80A 100A 125A 150A
FU42	200V/60/3 600V 80A 100A 125A 150A
FU43	200V/60/3 600V 80A 100A 125A 150A
FU44	200V/60/3 600V 80A 100A 125A 150A
FU45	200V/60/3 600V 80A 100A 125A 150A
FU46	200V/60/3 600V 80A 100A 125A 150A
FU47	200V/60/3 600V 80A 100A 125A 150A
FU48	200V/60/3 600V 80A 100A 125A 150A
FU49	200V/60/3 600V 80A 100A 125A 150A
FU50	200V/60/3 600V 80A 100A 125A 150A
FU51	200V/60/3 600V 80A 100A 125A 150A
FU52	200V/60/3 600V 80A 100A 125A 150A
FU53	200V/60/3 600V 80A 100A 125A 150A
FU54	200V/60/3 600V 80A 100A 125A 150A
FU55	200V/60/3 600V 80A 100A 125A 150A
FU56	200V/60/3 600V 80A 100A 125A 150A
FU57	200V/60/3 600V 80A 100A 125A 150A
FU58	200V/60/3 600V 80A 100A 125A 150A
FU59	200V/60/3 600V 80A 100A 125A 150A
FU60	200V/60/3 600V 80A 100A 125A 150A
FU61	200V/60/3 600V 80A 100A 125A 150A
FU62	200V/60/3 600V 80A 100A 125A 150A
FU63	200V/60/3 600V 80A 100A 125A 150A
FU64	200V/60/3 600V 80A 100A 125A 150A
FU65	200V/60/3 600V 80A 100A 125A 150A
FU66	200V/60/3 600V 80A 100A 125A 150A
FU67	200V/60/3 600V 80A 100A 125A 150A
FU68	200V/60/3 600V 80A 100A 125A 150A
FU69	200V/60/3 600V 80A 100A 125A 150A
FU70	200V/60/3 600V 80A 100A 125A 150A
FU71	200V/60/3 600V 80A 100A 125A 150A
FU72	200V/60/3 600V 80A 100A 125A 150A
FU73	200V/60/3 600V 80A 100A 125A 150A
FU74	200V/60/3 600V 80A 100A 125A 150A
FU75	200V/60/3 600V 80A 100A 125A 150A
FU76	200V/60/3 600V 80A 100A 125A 150A
FU77	200V/60/3 600V 80A 100A 125A 150A
FU78	200V/60/3 600V 80A 100A 125A 150A
FU79	200V/60/3 600V 80A 100A 125A 150A
FU80	200V/60/3 600V 80A 100A 125A 150A
FU81	200V/60/3 600V 80A 100A 125A 150A
FU82	200V/60/3 600V 80A 100A 125A 150A
FU83	200V/60/3 600V 80A 100A 125A 150A
FU84	200V/60/3 600V 80A 100A 125A 150A
FU85	200V/60/3 600V 80A 100A 125A 150A
FU86	200V/60/3 600V 80A 100A 125A 150A
FU87	200V/60/3 600V 80A 100A 125A 150A
FU88	200V/60/3 600V 80A 100A 125A 150A
FU89	200V/60/3 600V 80A 100A 125A 150A
FU90	200V/60/3 600V 80A 100A 125A 150A
FU91	200V/60/3 600V 80A 100A 125A 150A
FU92	200V/60/3 600V 80A 100A 125A 150A
FU93	200V/60/3 600V 80A 100A 125A 150A
FU94	200V/60/3 600V 80A 100A 125A 150A
FU95	200V/60/3 600V 80A 100A 125A 150A
FU96	200V/60/3 600V 80A 100A 125A 150A
FU97	200V/60/3 600V 80A 100A 125A 150A
FU98	200V/60/3 600V 80A 100A 125A 150A
FU99	200V/60/3 600V 80A 100A 125A 150A
FU100	200V/60/3 600V 80A 100A 125A 150A



SCHEMATIC & CONNECTION WIRING DIAGRAM
10 HP VARIABLE FREQUENCY
DRIVE WITHOUT BYPASS SWITCH WIRING
27.5 - 50 TON V.C.T.C. 460 VOLT



VFD ASSEMBLY



ABBREVIATIONS	
FB	POWER BLOCK
SR	START RELAY
TB	TERMINAL BLOCK
INSB	V.F.D. TRANSFORMER
TS	TRANSIENT SUPPRESSOR
VFD	VARIABLE FREQUENCY DRIVE