FIELD MAINTENANCE PRINT SET

TABLE OF CONTENTS

UNIT VARIATIONS COVERED BY THIS PRINT SET

RLØ2
Field Maintenance Print Set

Digital Equipment Corporation
PRINT SET NO.
MPØØ553

REVISIONS

REV	CHG. NO.	DATE
A	RLØ2-CXØØ5 B.MILLER	RPM 23-AUG-79
B	RLØ2-CXØØ7 K.GUENZEL	RPM 28 Nov 79
C	RLØ2-CXØ14 I. WALENTA	RBM 16 DEC 80

USED ON OPTION/MODEL: RL02

SHEET 1 OF 1

		DATE
DRN.	R. Michaud	21-SEP-78
CHK'D	W. Main	6 JUN 79
PROJ. ENG.	[illegible]	6-6-79
FIELD SERV.	Clay Morse	6 JUN 79

digital

TITLE: RL02 DISK DRIVE

SIZE	CODE	NUMBER	REV.
B	TC	RL02-0-1	C

DIST.

DRB 124

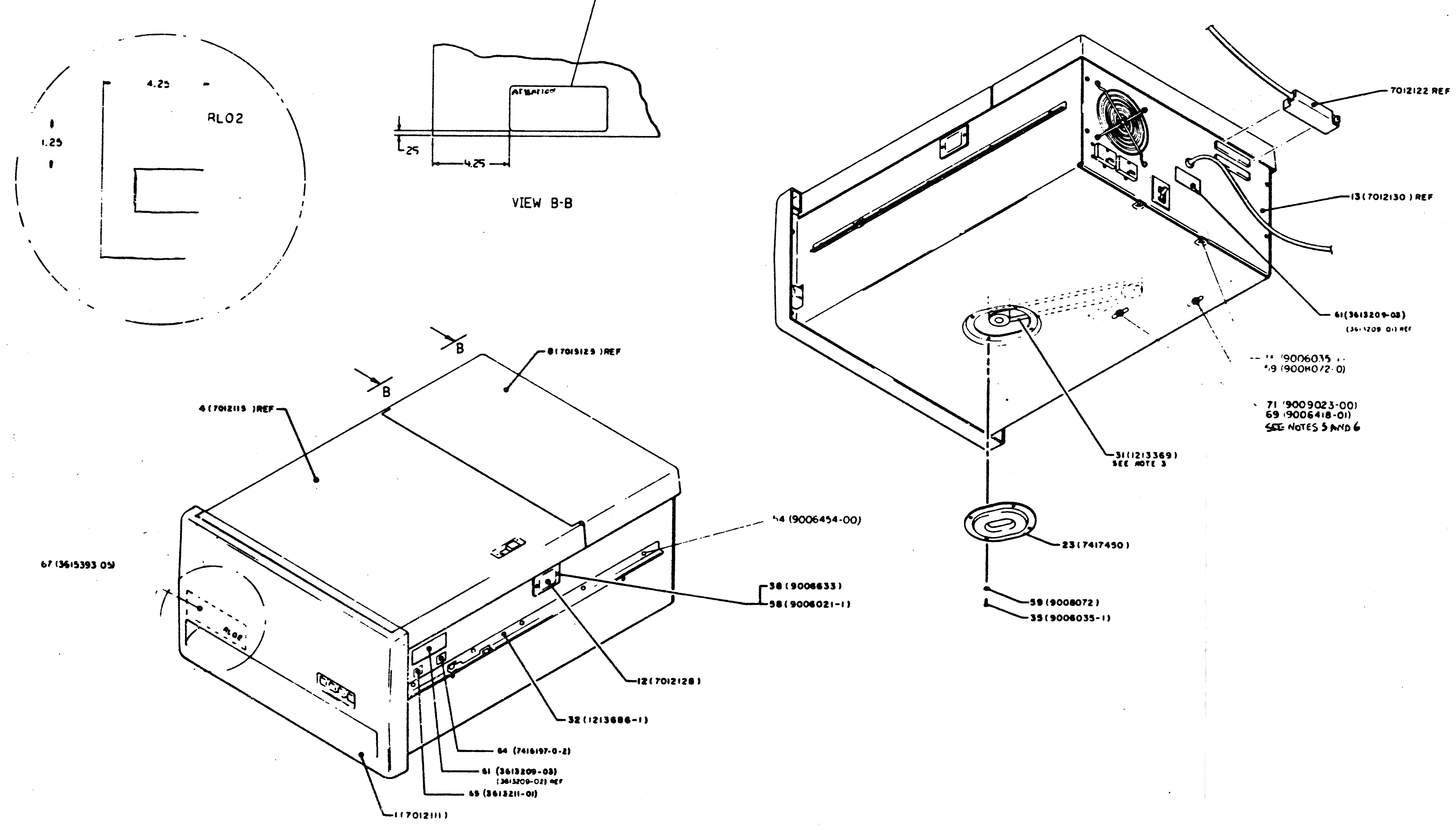
NOTES

1. LOWER HEAD (ITEM 65) SHALL BE POSITIONED REARWARDS AGAINST PIN IN CARRIAGE
2. ALL SCREWS TO BE TIGHTENED AS FOLLOWS

4-40 SCREW, TORQUE	3.5 ± 0.5	IN LBS
6-32 " "	5.0 ± 1.0	"
8-32 " "	10.0 ± 1.0	"
10-32 " "	18.0 ± 2.0	"

3. DRIVE BELT TENSION 10.0 ± 1.0 LBS.
4. 4-40 HEAD MOUNTING BOLTS TO BE TIGHTENED TO 3.2.5 IN. LBS.
5. TORQUE 8-32 SELF TAPPING HARDWARE (ITEM 69) TO 16 18 IN LBS.
6. BLOWER HOUSING SECURING HARDWARE TO BE REMOVED BEFORE OPERATING UNIT.

68 (7618098-01)



CAUTION

OFF-SHEET PARTS LIST EXISTS.
SEE K-PL-RL02-0-DBP (Z0485).

REV	CHANGE NO
X	RELEASED TO ECO CONTROL PER PCO RL02-003
A	RL02-C0002
B	RL02-C0004 B. MILLER
C	RL02-C0005 B. MILLER
D	RL02-C0006 RL02-C0006A H. GUENZEL
E	RL02-C0008 H. GUENZEL
F	RL02-C0009 H. GUENZEL
H	RL02-C0010
J	RL02-C0012 D.C. 8 SEPT 80 H. GUENZEL
K	RL02-C0013 H. GUENZEL

MATERIAL SEE PARTS LIST

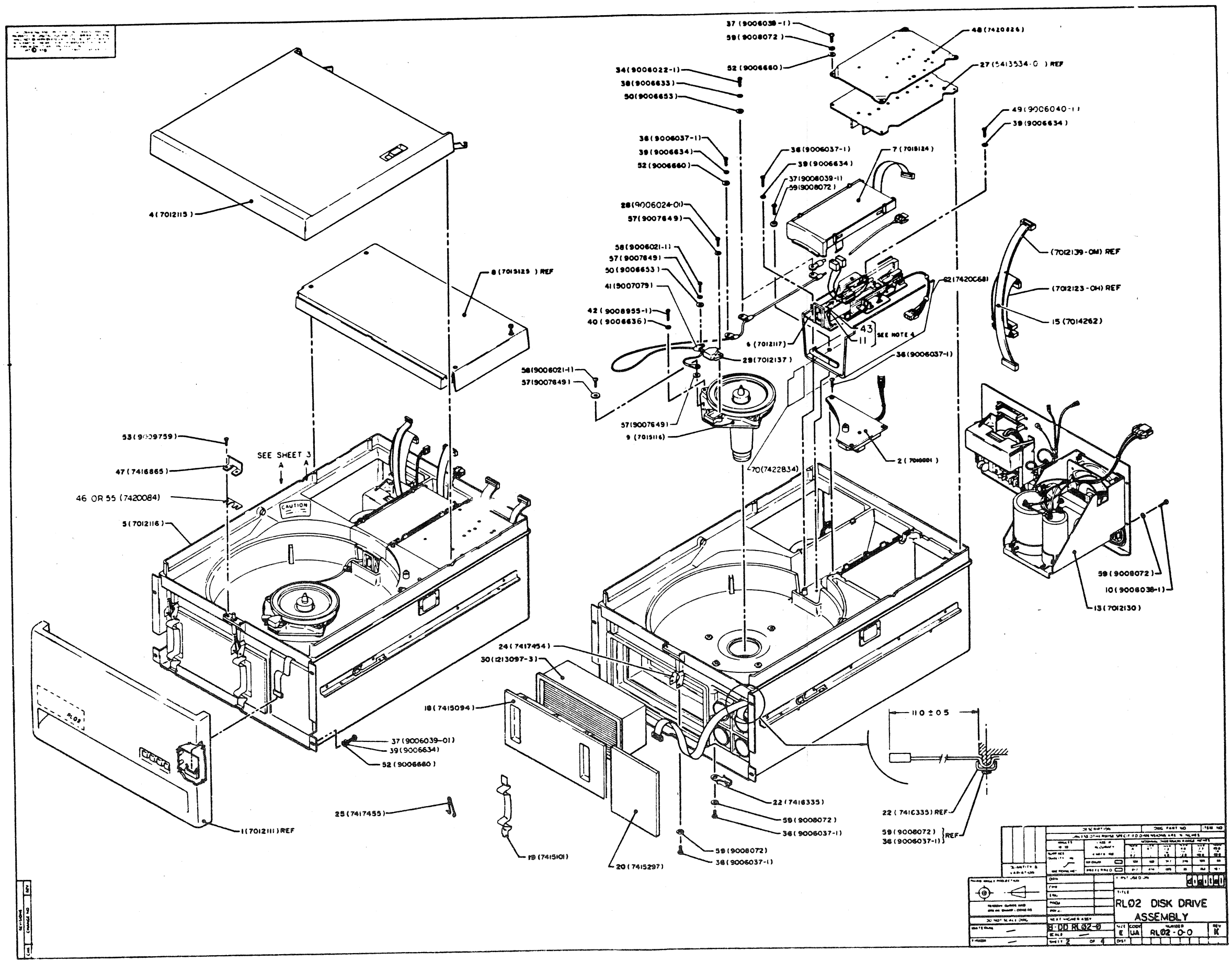
FIRST USED ON RL02

TITLE RL02 DISK DRIVE ASSEMBLY

SIZE E CODE UA NUMBER RL-[illegible]-0-0 REV K

SHEET 1 OF 2

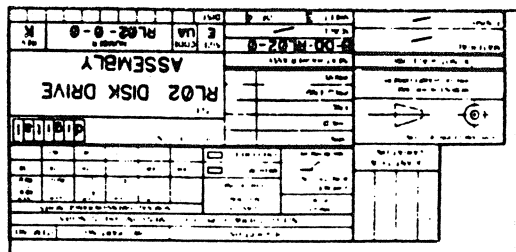
9

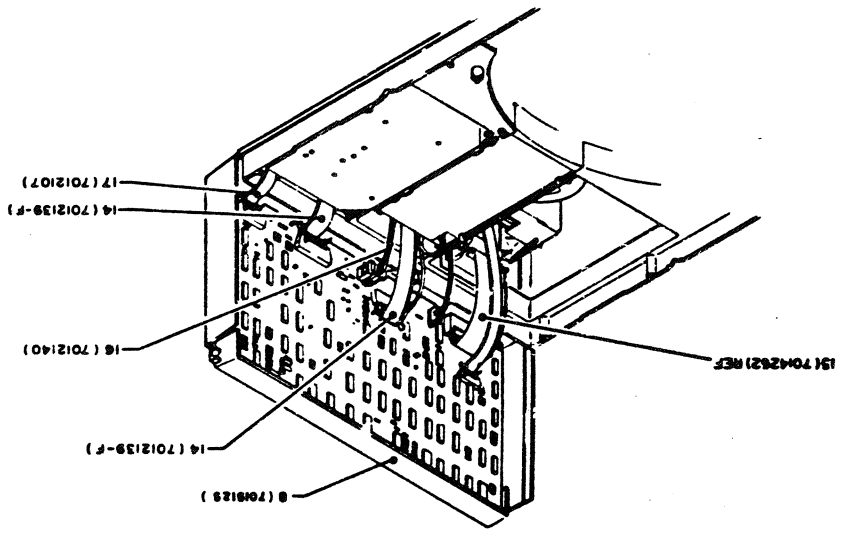


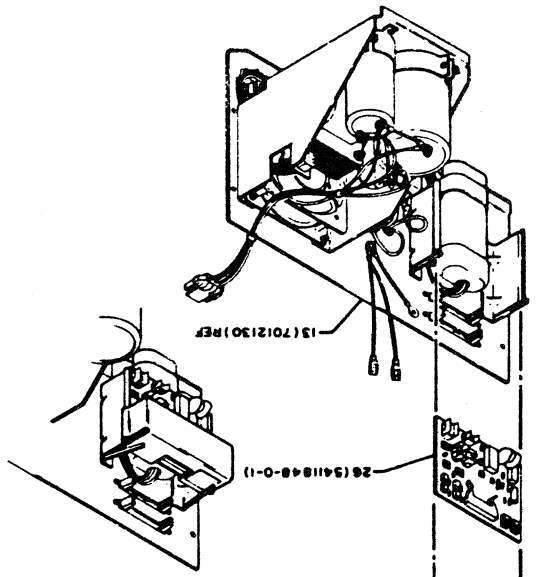
RL02 DISK DRIVE ASSEMBLY

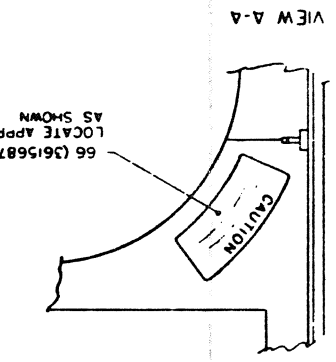
B-DD-RL02-0 | SIZE E | CODE WA | NUMBER RL02-0-0 | REV M | SHEET 2 OF 4

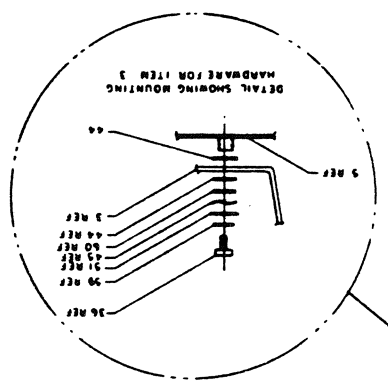
RL02 DISK DRIVE
ASSEMBLY

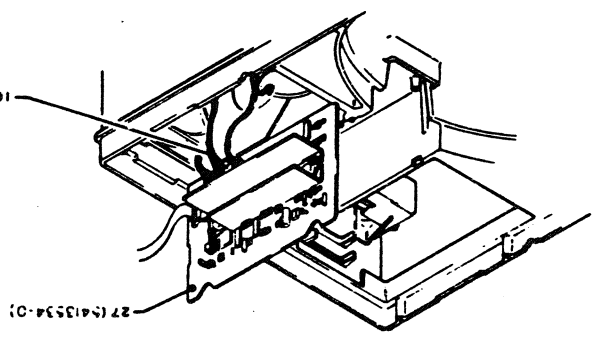


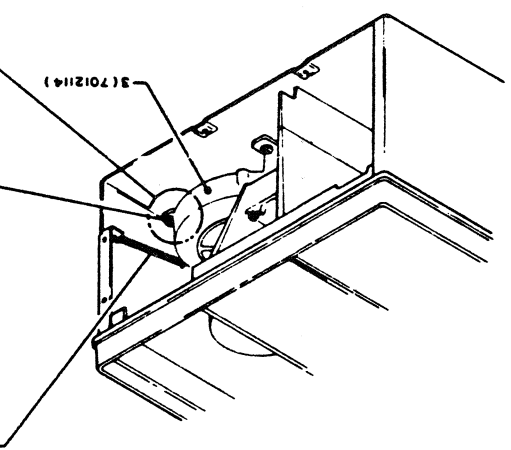




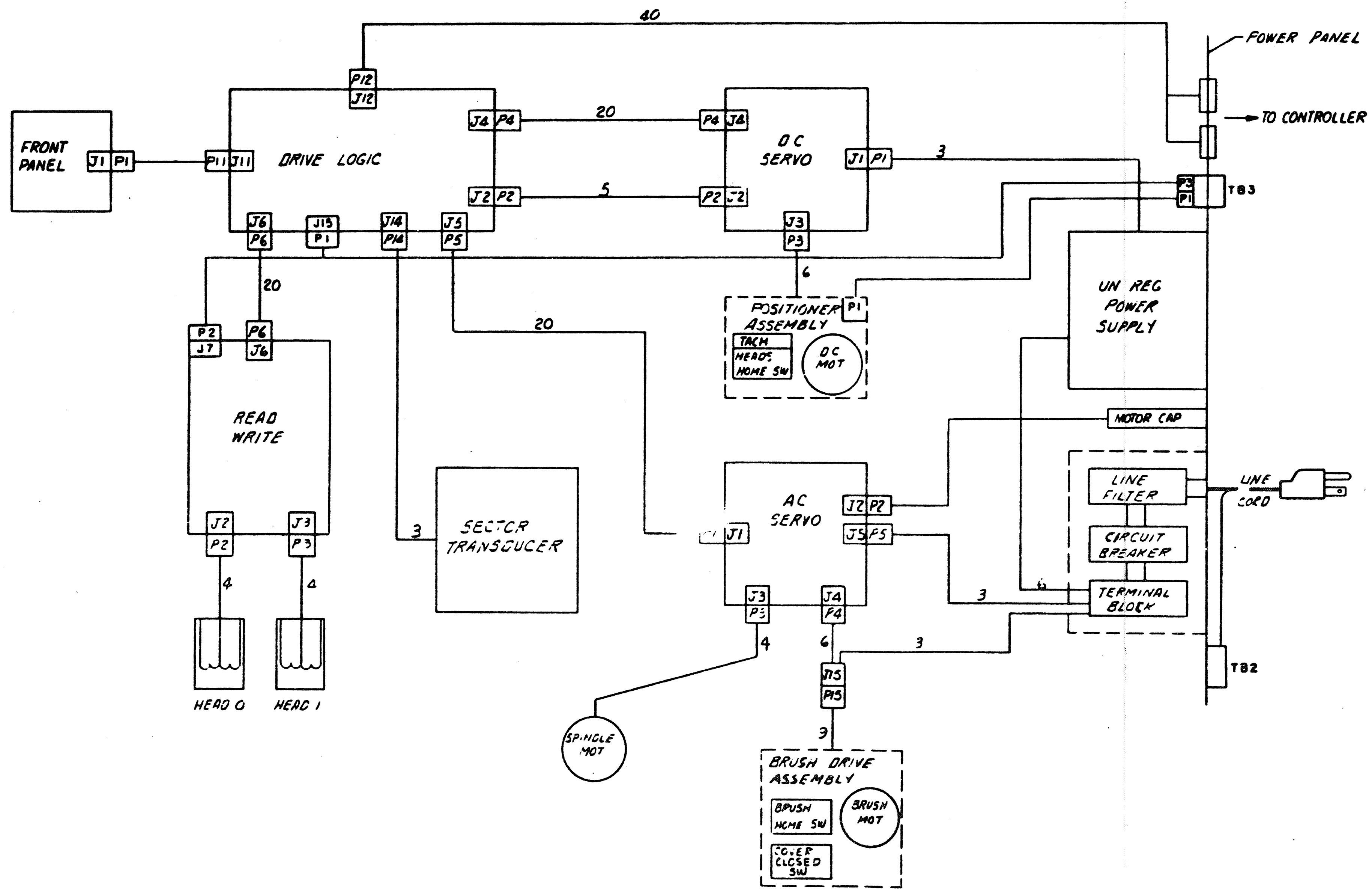








PARTS LISTED IN ASSEMBLY ORDER
44(9009864)
60(8009974)
49(9009885)
31(1214339)
38(9008072)
36(9006037-01)



REVISIONS		
CHK	CHANGE NO.	REV.

DESCRIPTION	DWG./PART NO. / ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
DRN.	25 Sept
CHK'D	
ENG	
PROJ. ENG.	
PROD	
NEXT HIGHER ASSY.	B-DD-RLØ2-Ø
SCALE	—
SHEET	2 OF 2
FIRST USED ON	RLØ2
TITLE	RLØ2 SYSTEM CABLING
SIZE	D
CODE	IC
NUMBER	RLØ2-Ø-3
REV	C

digital

THIRD ANGLE PROJECTION

REMOVE BURRS AND BREAK SHARP CORNERS

DO NOT SCALE DWG

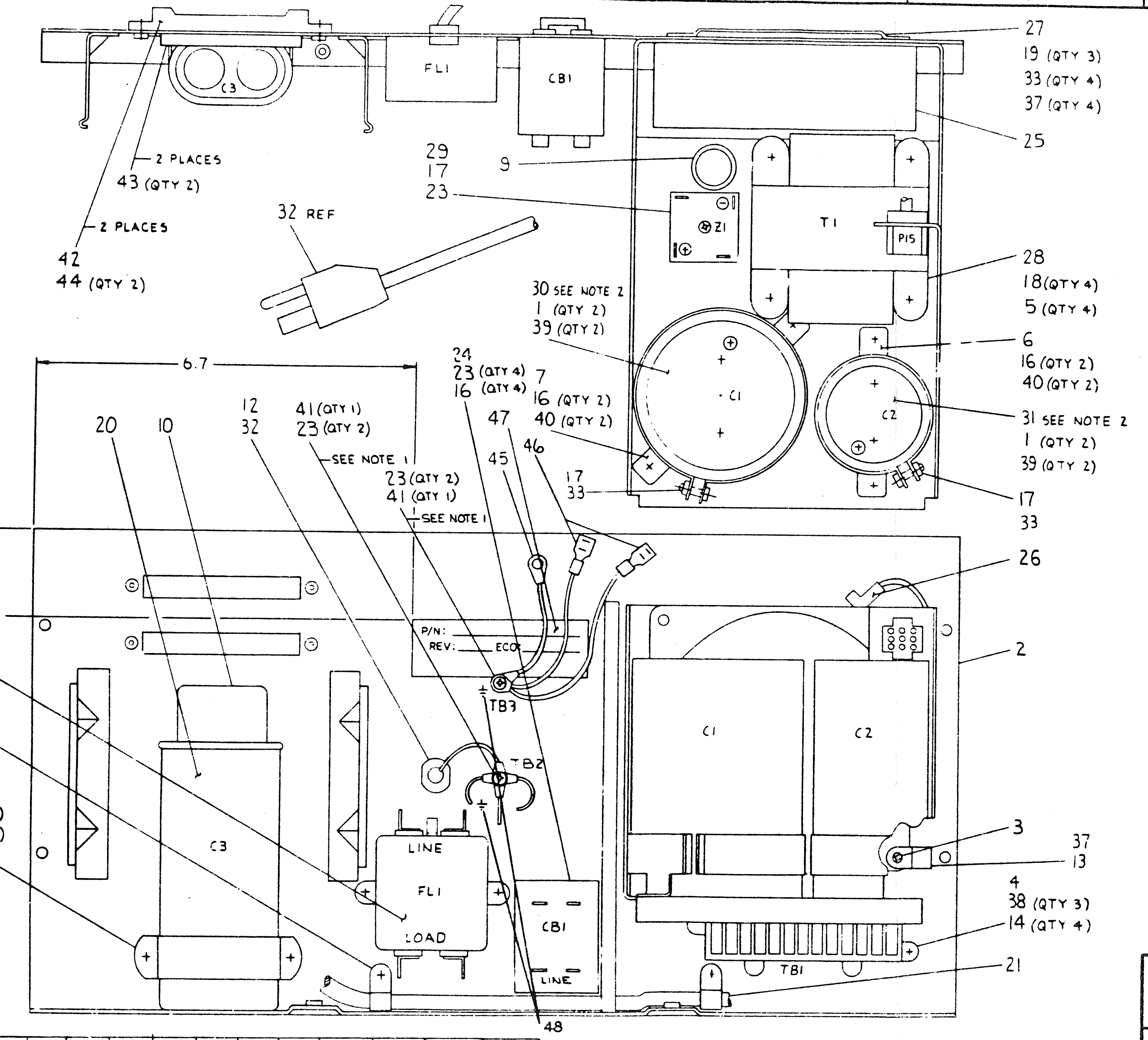
MATERIAL —

FINISH —

QUANTITY & VARIATION

D IC RLØ2-Ø-3 C

D AD7012130-0-0 V 2



NOTES:
1. INT TOOTH LOCK WASHERS (ITEM 23) ARE USED OVER AND UNDER GROUND TERMINALS.
2. ORIENT TERMINALS AS SHOWN.

CAUTION: OFF SHEET PARTS LIST EXISTS.
SEE K-PL-7012130-0-DBP (ZØ849)

REVISIONS

CHK	CHANGE NO.	REV.
	RELEASED AT REV A PREVIOUS REV XØ8	A
	7012130-0001 G. REICHENBERG	B
	7012130-0002 G. SCHNEIDER	C
	RLØ1-00009 G. SCHNEIDER	D
	7012130-CX003 K. GUENZEL	E
	7012130-CX004 G. REICHENBERG	F
	7012130-CX005 G. REICHENBERG	H
	RLØ1-CZØ18 K. GUENZEL	J
	7Ø12130-CZØØ6 K. GUENZEL	K
	7012130-CZØØ7 K. GUENZEL	L
	7012130-CZØØ8 K. GUENZEL	M
RPM 18 SEP 79	7Ø1213Ø-CXØØ9 K. GUENZEL	N
	7012130-CXØ1Ø K. GUENZEL	P
	RLØ2-CXØØ8 K. GUENZEL	R
	7Ø213Ø-CXØ11 K. GUENZEL 11 Feb 80	S
	RLØ2-CXØ1Ø M. ZARICH	T
646	7012130-CXØ12 D.C. 30 JUL 80 K. GUENZEL	U
705	7012130-CXØ13 L. WALENTA 12-5-80	V

THIRD ANGLE PROJECTION	
REMOVE BURRS AND BREAK SHARP CORNERS	
DO NOT SCALE DWG	
MATERIAL	SEE PARTS LIST
FINISH	
QUANTITY & VARIATION	
DESCRIPTION	
DWG./PART NO.	
ITEM NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
DRN.	C. MELCHIOR
CHK'D	G. SCHNEIDER
ENG.	G. SCHNEIDER
PROJ. ENG.	R. ARNOLD
PROD.	B. RYLANDER
NEXT HIGHER ASSY.	E-UA-RLØ1-Ø-Ø
SCALE	1/1
SHEET	OF 3
FIRST USED ON	RLØ1
TITLE	POWER PANEL ASSY
SIZE	D
CODE	AD
NUMBER	7012130-0-0
REV.	V

13

NOTES:

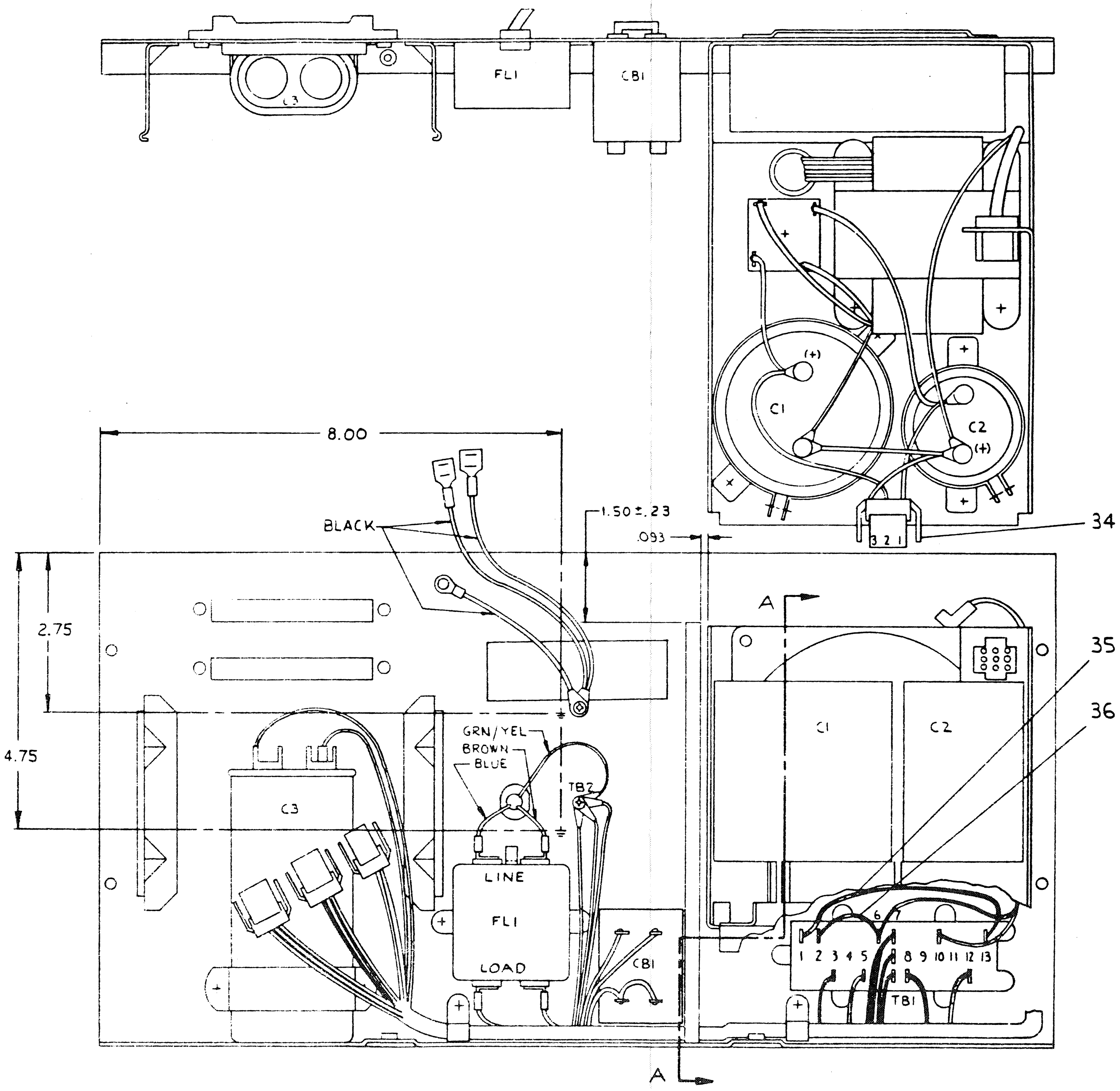
1. INPUT VOLTAGE 50 OR 60 HZ
   90 – 110, 105 – 128 VAC
   180 – 220, 210 – 256 VAC
2. OUTPUT VOLTAGE ± 11.5 VDC MIN AT MIN POINT OF THE RIPPLE. 18 VDC MAX AT HIGH LINE. (MAX OF 25 VDC AT HIGH LINE NO LOAD).
3. OUTPUT CURRENT: POSITIVE OUTPUT
   2.5 AMP CONTINUOUS
   3.5 AMP PULSE 25 MS
   NEGATIVE OUTPUT
   .25 AMP CONTINUOUS
   3.5 AMP PULSE 25 MS
   PULSE CURRENT ON ALTERNATE OUTPUT AT A 65 MS OUT CYCLE.
4. OUTPUT RIPPLE AT 110 VOLTS

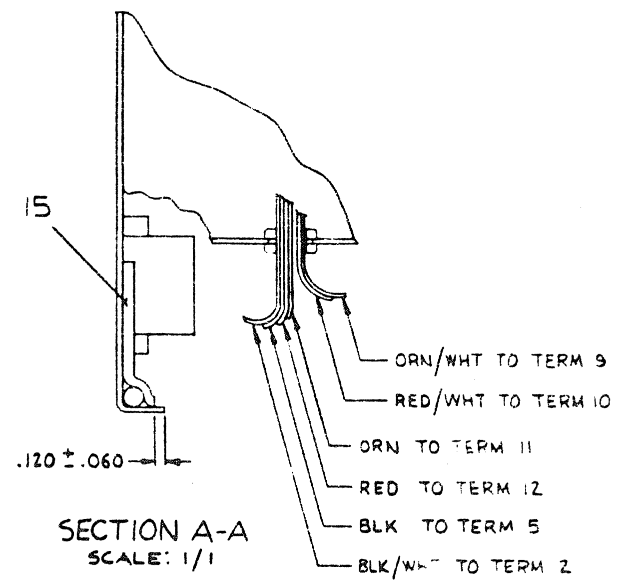
A.	NO LOAD	100 mV P/P
B.	+ 2.5 A	600 mV P/P
	−.25 A	300 mV P/P
C.	+ 2.5 A	600 mV P/P
	− 3.75 A	1.5 V DURING PULSE

RIPPLE AT 90 V RMS

+ 2.5 A	500 mV
− 3.75 A	2 V
+ 6 A	900 mV
−.25 A	400 mV

5. HIGH POT TEST PER UL 478
   CONNECT BOTH AC LEADS TO THE POSITIVE TERMINAL OF THE SUPPLY AND GRN WIRE GROUND TO THE NEGATIVE TERMINAL OF THE SUPPLY. CLOSE CIRCUIT BREAKER AND INCREASE VOLTAGE TO 1750 VDC, ANY CURRENT INDICATES FAILURE.

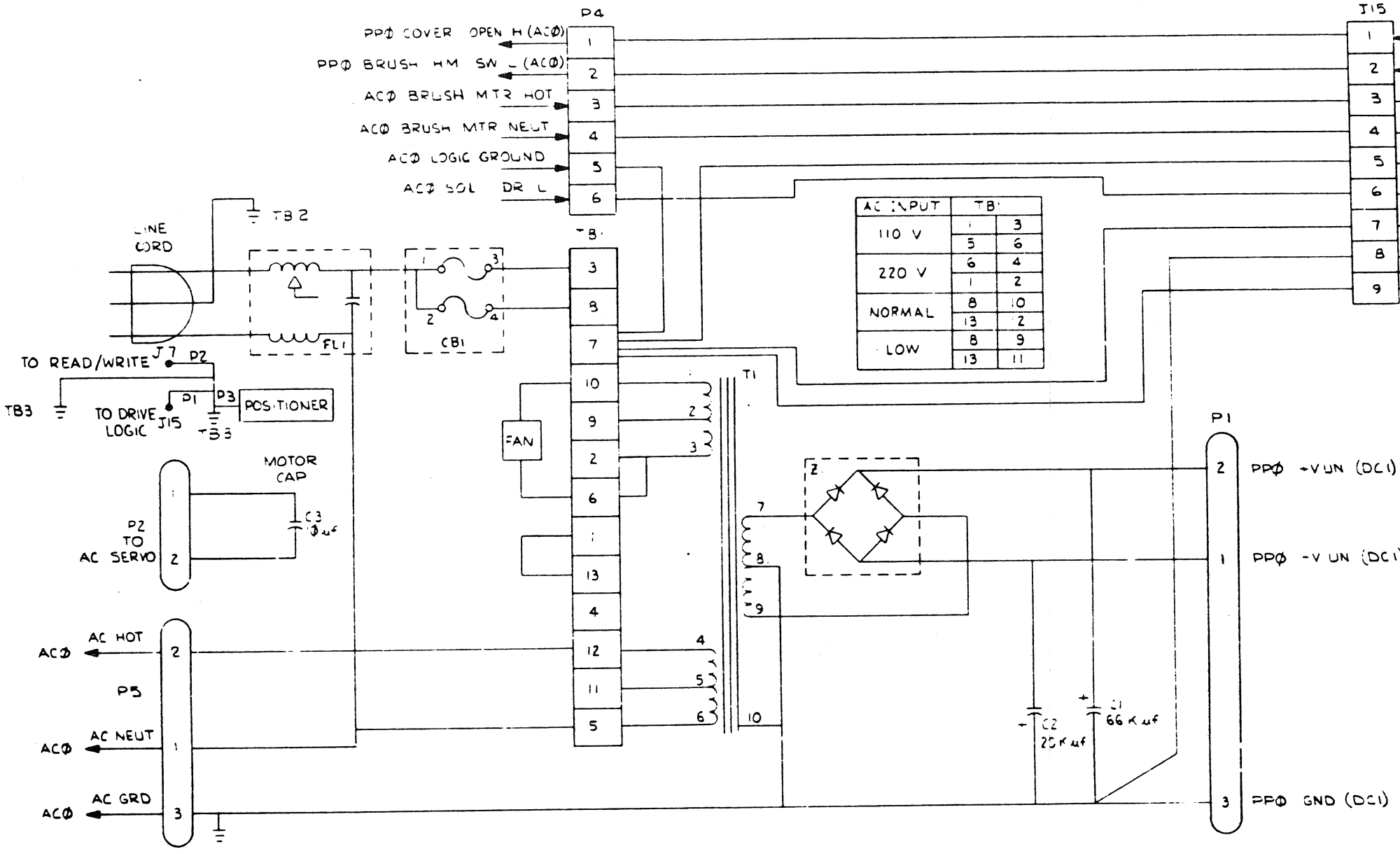




SECTION A-A
SCALE: 1/1

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	POWER PANEL ASSY
SCALE	1/1
SHEET	2 OF 3
SIZE	D
CODE	AD
NUMBER	7012130-0-0
REV.	V
DIST.	



REVISIONS		
CHK	CHANGE NO.	REV.

TITLE	SIZE	CODE	NUMBER	REV.
POWER PANEL ASSY (PPO)	D	AD	7012130-0-0	V
SCALE: 1/1 SHEET 3 OF 3	DIST.			

NOTES:

CHG	CHANGE NO	REV
	5413536 CX001	B

SIGNATURES	DATE
DRN.	
CHK'D.	
ENG.	
PROJ. ENG.	
PROD.	

ETCH REV. B

P.C. DESIGN CHK'R 8PSL REV. BL

NEXT HIGHER ASSY. B-DD-5413536-0

SHT 1 OF 2

SCALE 2/1

SIZE	CODE	NUMBER	REV
D	UA	5413536-0-0	B

TITLE RL02 READ/WRITE BOARD

d i g i t a l