

9. CABINET OPTIONS INCLUDE 2X4S, DOORS, COVERS, TOP & BOTTOM PANELS.

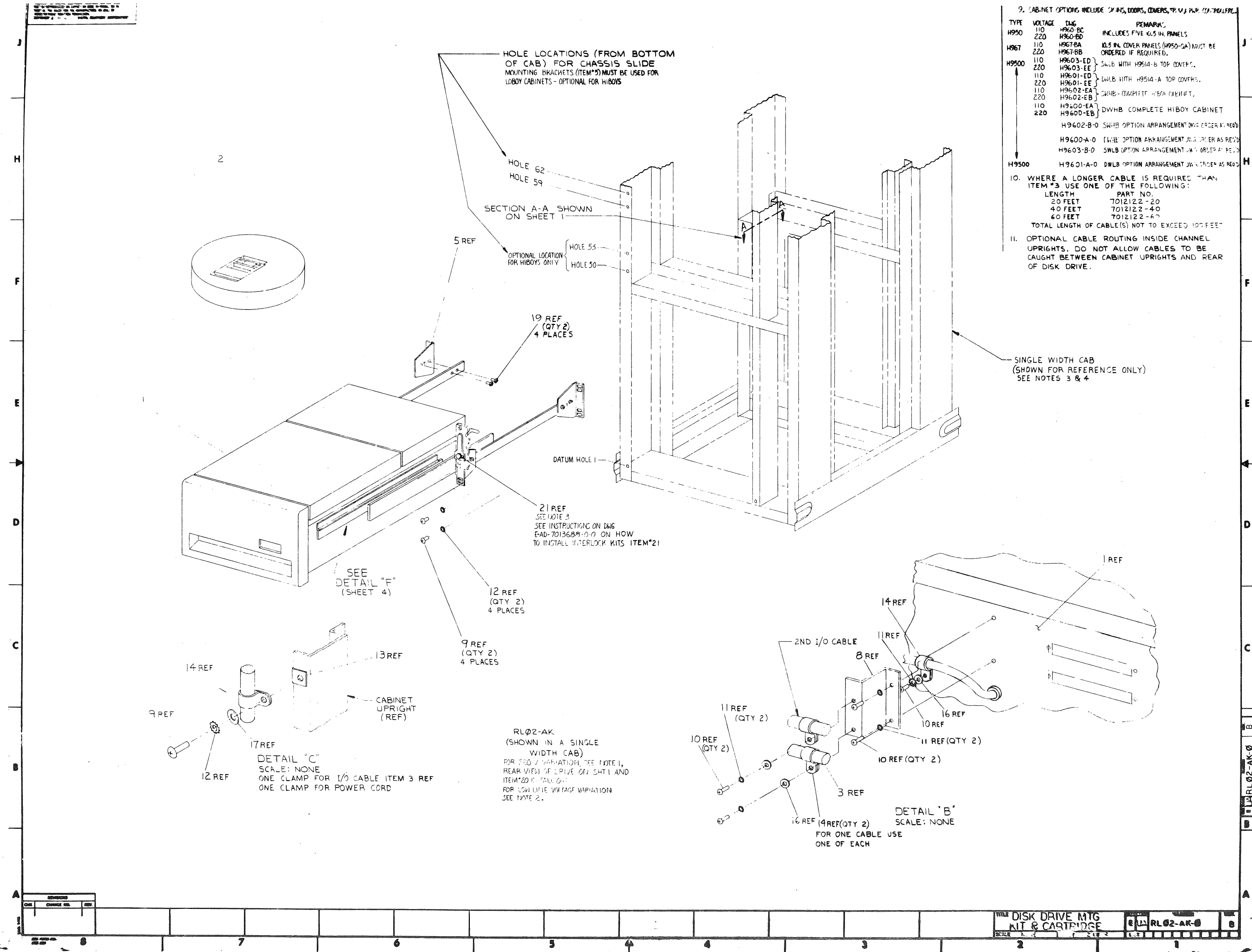
TYPE	VOLTAGE	DWG	REMARKS
H950	110	H960-BC	INCLUDES FIVE 10.5 IN. PANELS
	220	H960-BD	
H967	110	H967-BA	10.5 IN. COVER PANELS (H950-DA) MUST BE ORDERED IF REQUIRED.
	220	H967-BB	
H9500	110	H9603-ED	SWLB WITH H9514-B TOP COVERS.
	220	H9603-EE	
	110	H9601-ED	DWLB WITH H9514-A TOP COVERS.
	220	H9601-EE	
	110	H9602-EA	SWLB - COMPLETE HIBOY CABINET.
	220	H9602-EB	
	110	H9600-EA	DWLB COMPLETE HIBOY CABINET
	220	H9600-EB	
		H9602-B-D	SWLB OPTION ARRANGEMENT DWLB ORDER AS REQD
		H9600-A-D	DWLB OPTION ARRANGEMENT DWLB ORDER AS REQD
		H9603-B-D	SWLB OPTION ARRANGEMENT DWLB ORDER AS REQD
H9500		H9601-A-D	DWLB OPTION ARRANGEMENT DWLB ORDER AS REQD

10. WHERE A LONGER CABLE IS REQUIRED THAN ITEM #3 USE ONE OF THE FOLLOWING:

LENGTH	PART NO.
20 FEET	7012122-20
40 FEET	7012122-40
60 FEET	7012122-60

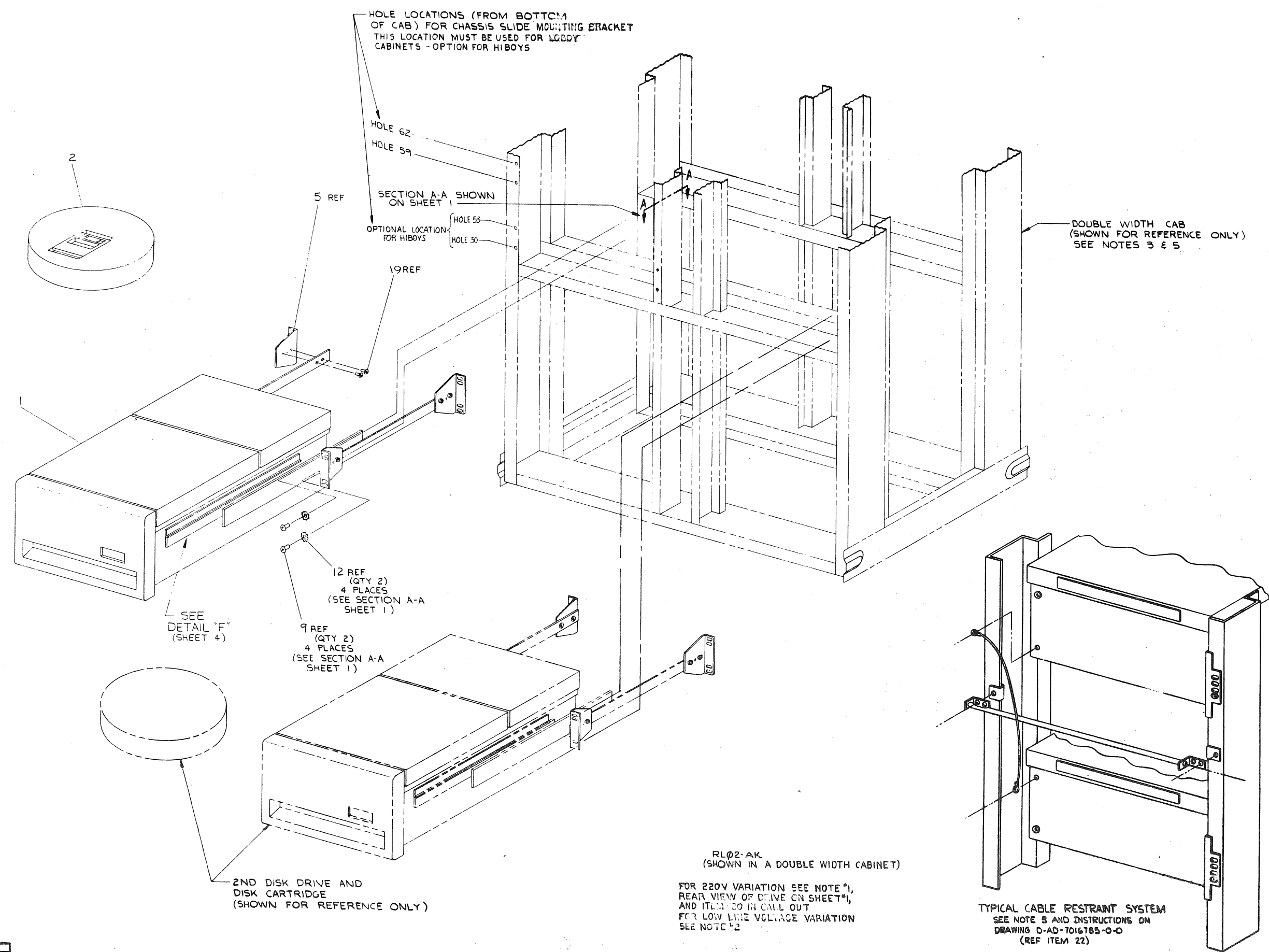
TOTAL LENGTH OF CABLE(S) NOT TO EXCEED 100 FEET

11. OPTIONAL CABLE ROUTING INSIDE CHANNEL UPRIGHTS. DO NOT ALLOW CABLES TO BE CAUGHT BETWEEN CABINET UPRIGHTS AND REAR OF DISK DRIVE.



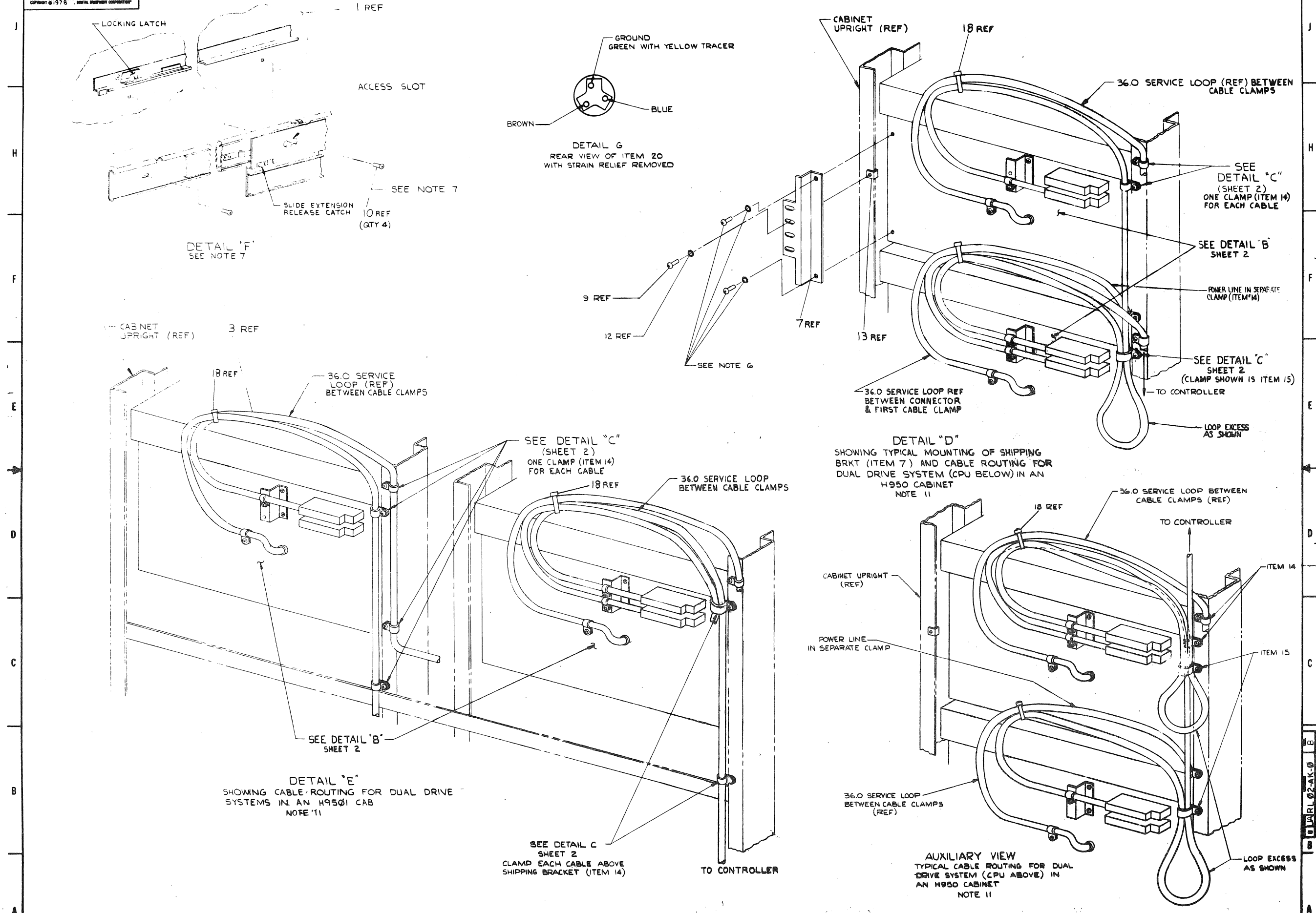
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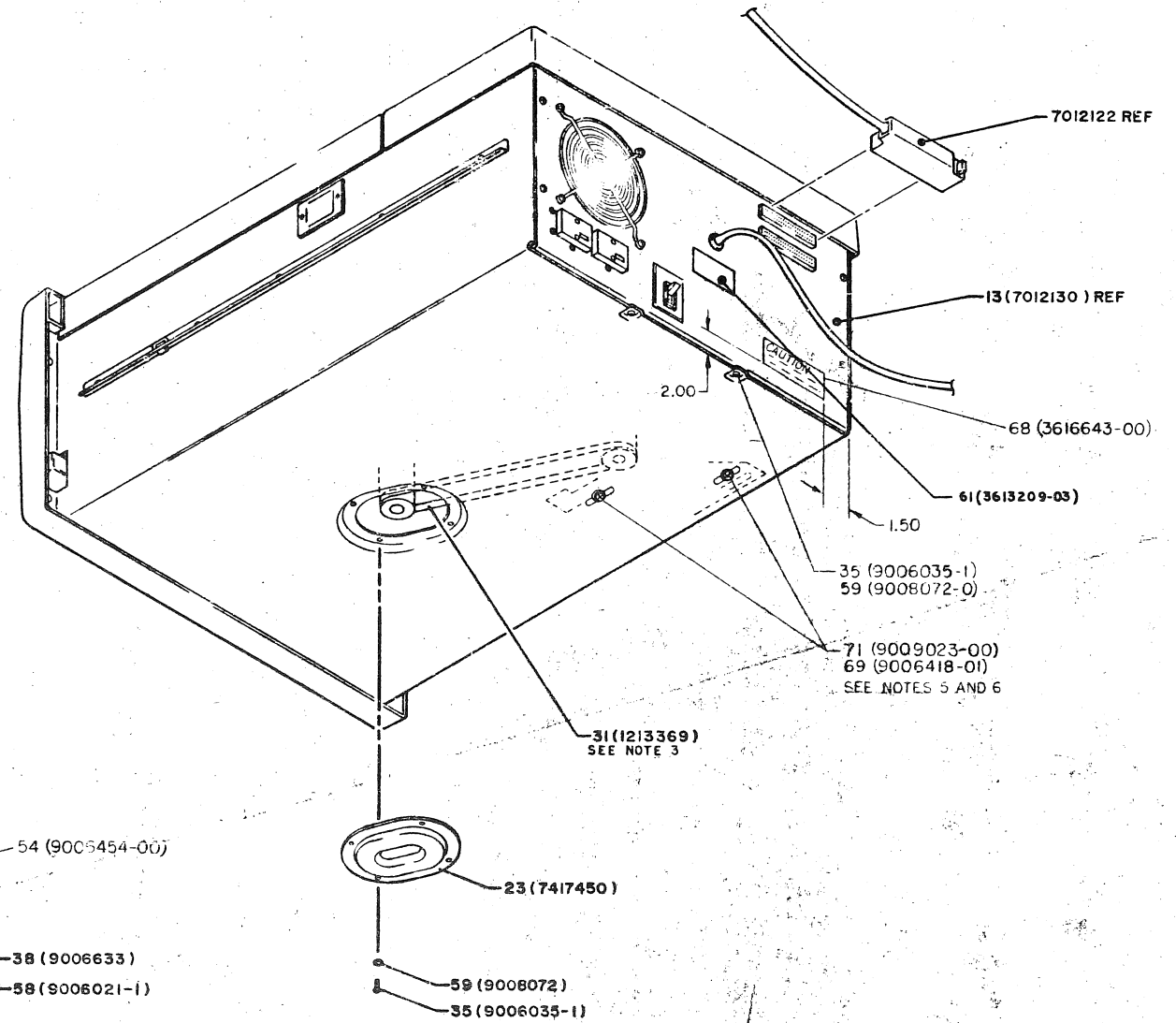
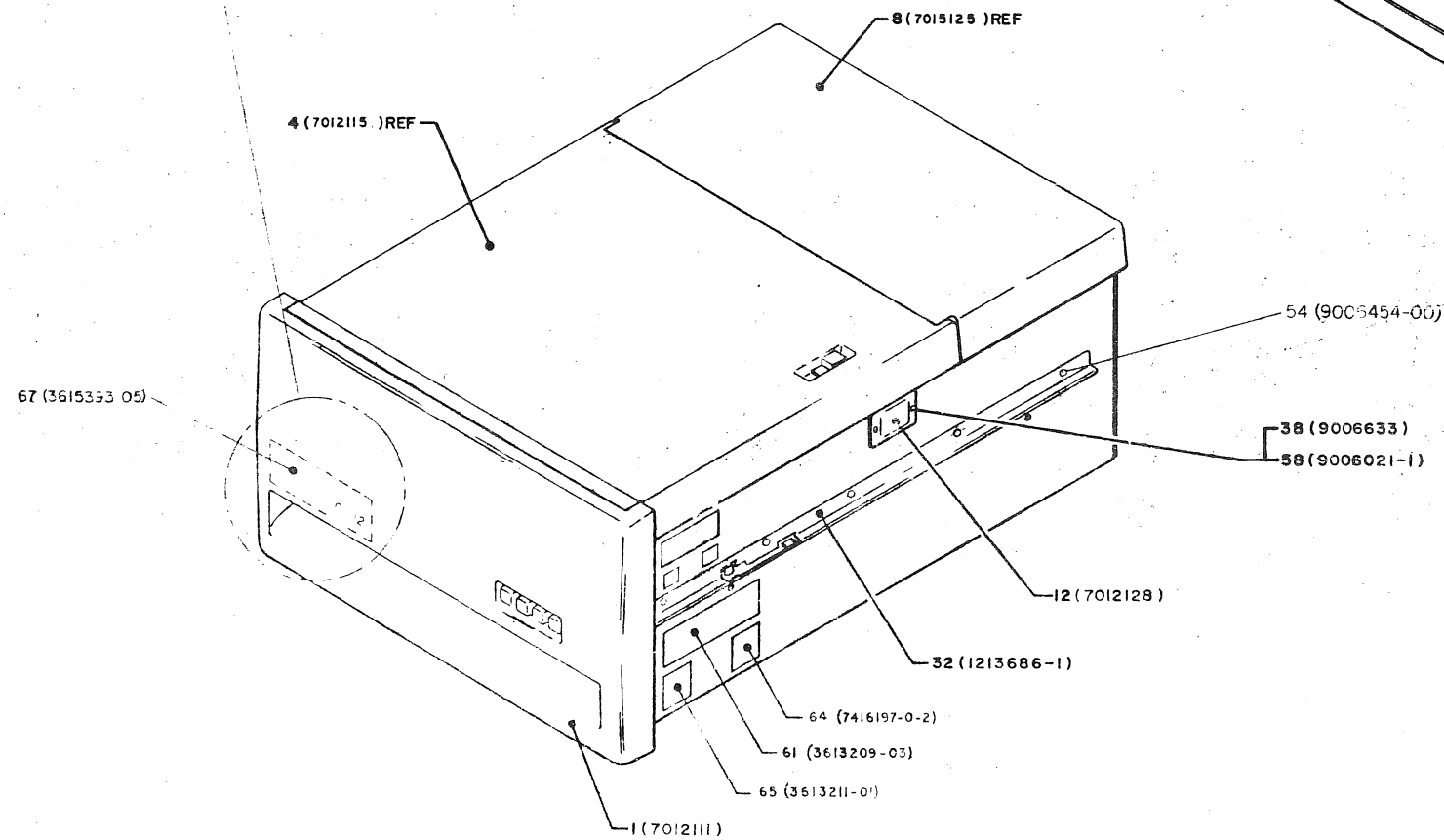
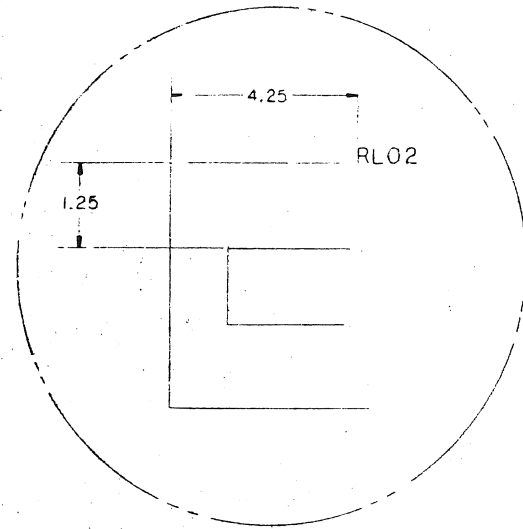
REV	DATE	BY	CHK
1			

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- 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 5 ± 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.

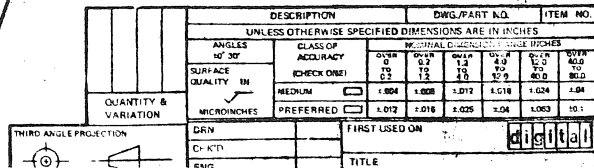


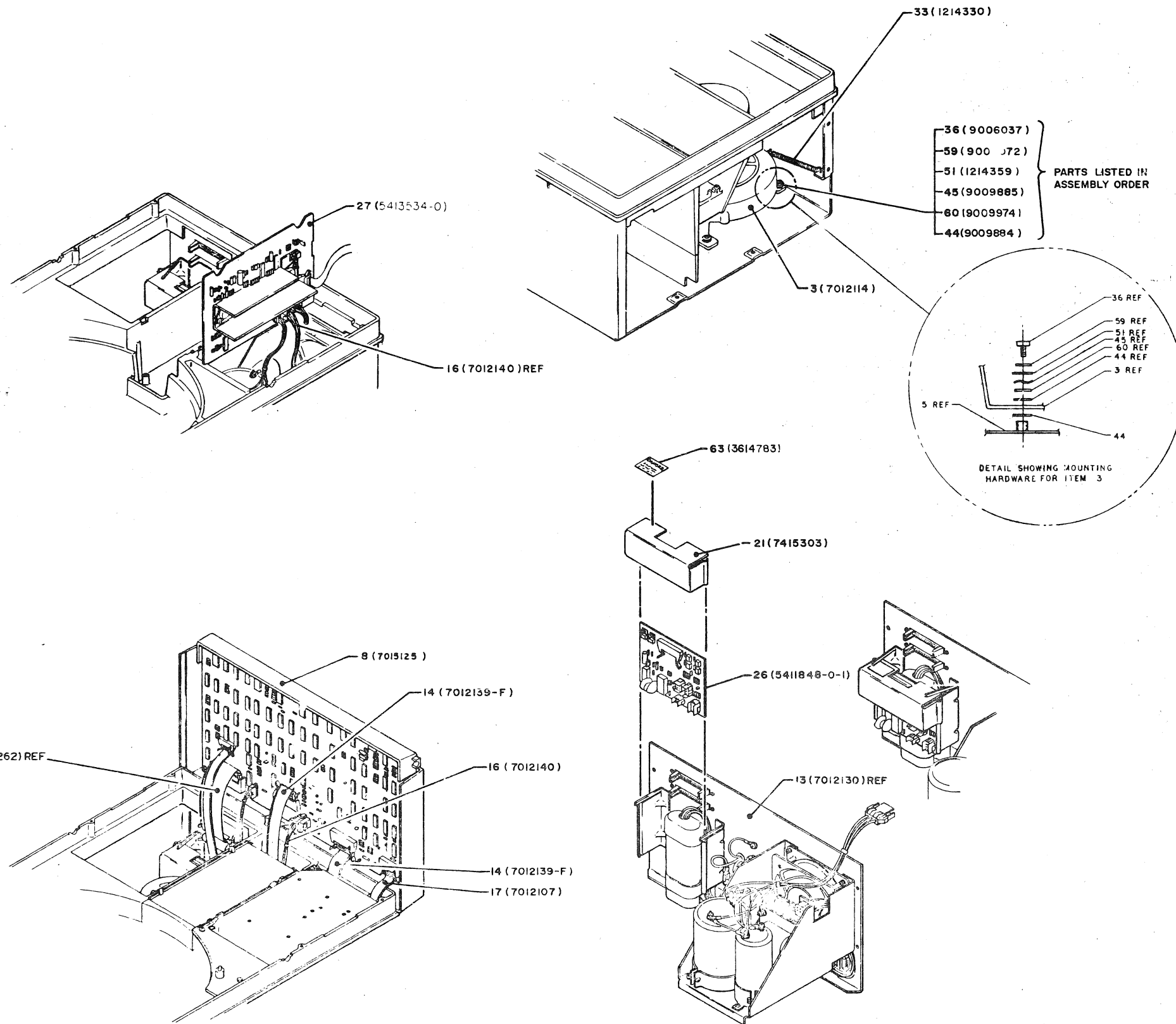
CAUTION
 OFF-SHEET PARTS LIST EXISTS

DESCRIPTION		QTY	ITEM NO.
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			
ANGLES	30° 30'		
CLASS OF	ACCURACY		
SURFACE	FINISH		
QUALITY	IN		
QUANTITY & VARIATION			
THIRD ANGLE PROJECTION			

RL02

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DESCRIPTION		DWG/PART NO.		ITEM NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
ANGLES NOT 30°	CLASS OF ACCURACY	NOMINAL DIMENSION RANGE INCHES			
SURFACE QUALITY 1IN	MEDIUM	OVER	1/16	1/8	1/4
		1/16	1/8	1/4	3/8
QUANTITY & VARIATION	PRECEDENCE	1/16	1/8	1/4	3/8
THIRD ANGLE PROJECTION	DRN	FIRST USED ON			
REMOVE BURRS AND BREAK SHARP CORNERS	CHKD	TITLE			
DO NOT SCALE DIMS	ENG	RL02 DISK DRIVE			
MATERIAL	PROD ENG	ASSEMBLY			
	PROD	L. J. R. RLC-0-0			

		DESCRIPTION		QUANTITY NO.		ITEM NO.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES							
ANGLE:		QUALITY		QUALITY		QUALITY	
ST 37		ADAPTIVITY		ADAPTIVITY		ADAPTIVITY	
SURFACE		FINISH		FINISH		FINISH	
QUALITY ON		QUALITY ON		QUALITY ON		QUALITY ON	
QUANTITY & VARIATION		MEDIUM		MEDIUM		MEDIUM	
MICROFINISH		PREFERRED		PREFERRED		PREFERRED	
ANGLE PROJECTION		ORIN. H. 1/2		FIRST USED GP		1/2	
CIRK. D.		ENG.		PROJ. ENG.		R102 DISK DRIVE	

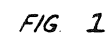


FIG 2



FIG 3



FIG 4

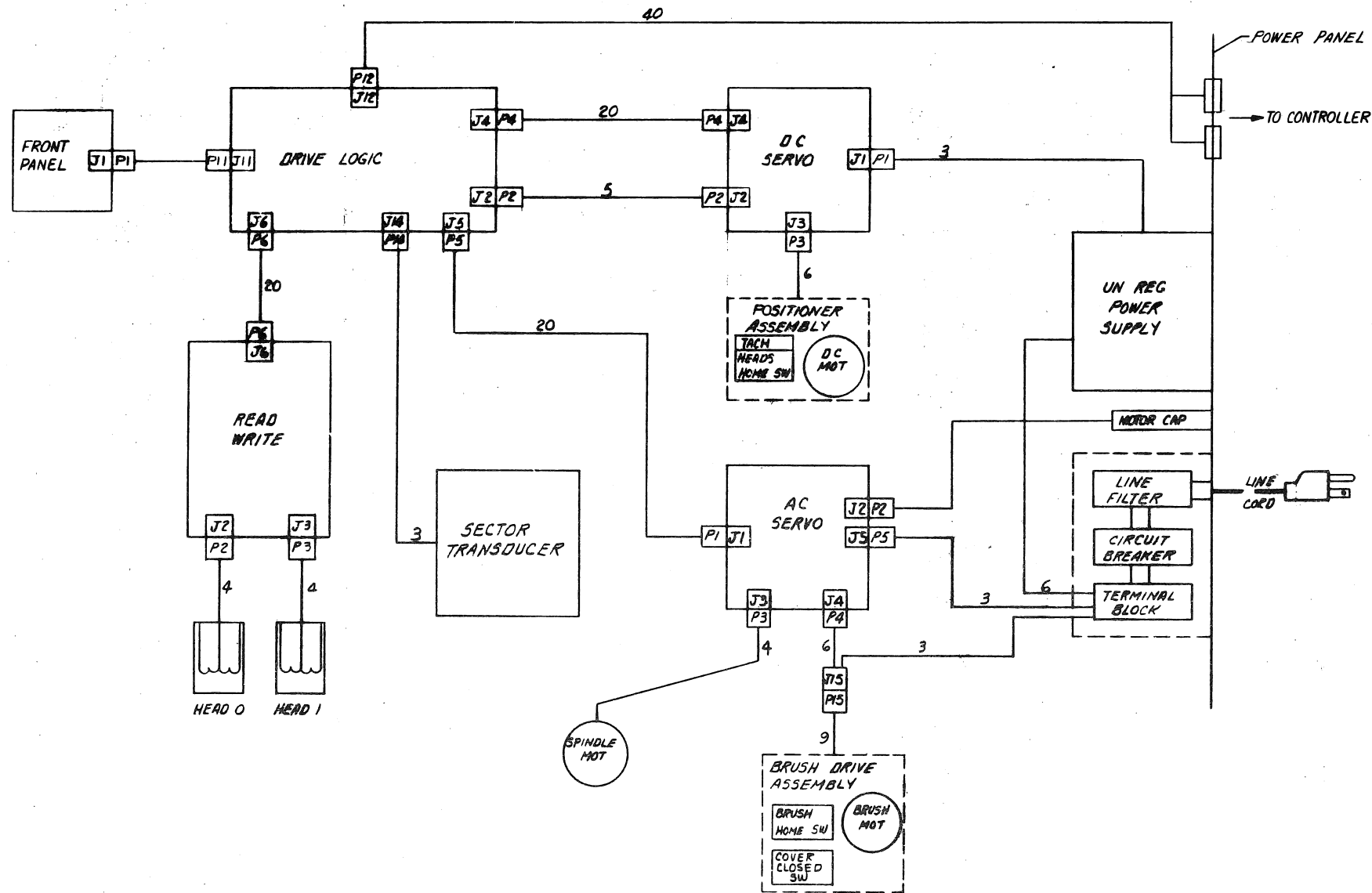


FIG 5

REVISIONS		
CHK	CHANGE NO.	REV.
1 JUN 54	ALØ2-C2ØØ1 B. MILLER	A

		DESCRIPTION				DWG./PART NO.				ITEM NO.			
		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES											
		ANGLES 10° 30'		CLASS OF ACCURACY		NOMINAL DIMENSION RANGE INCHES							
QUANTITY & VARIATION		SURFACE QUALITY ☒ IN	(CHECK ONE) MEDIUM ☐ PREFERRED ☐	OVER 10 TO 12	OVER 12 TO 18	OVER 18 TO 24	OVER 24 TO 30	OVER 30 TO 36	OVER 36 TO 42	OVER 42 TO 48	OVER 48 TO 54		
				1.004	1.008	1.012	1.016	1.020	1.024	1.028			
				1.012	1.016	1.020	1.024	1.028	1.032	1.036			
		MICROMETERS		1.012	1.016	1.020	1.024	1.028	1.032	1.036	1.040		
THIRD ANGLE PROJECTION		DRN <i>[Signature]</i> 25 SEP 78 CHKD <i>[Signature]</i> 5 MAY 79 ENG. W. B. 5-7-79 PROJ. ENG. <i>[Signature]</i> 9-4-79 PROD. <i>[Signature]</i> 5-7-79				FIRST USED ON RL02 							
 REMOVES BURRS AND BREAK SHARP CORNERS		TITLE RL02 SYSTEM CABLING											
DO NOT SCALE DIMS		NEXT HIGHER ASSY.											
MATERIAL		B-DD-RL02-0				SIZE D		CODE IC		NUMBER RL02-0-3		REV. A	
FINISH		SCALE 1/2				D		IC					
		SHEET				OF 2		DIST.					

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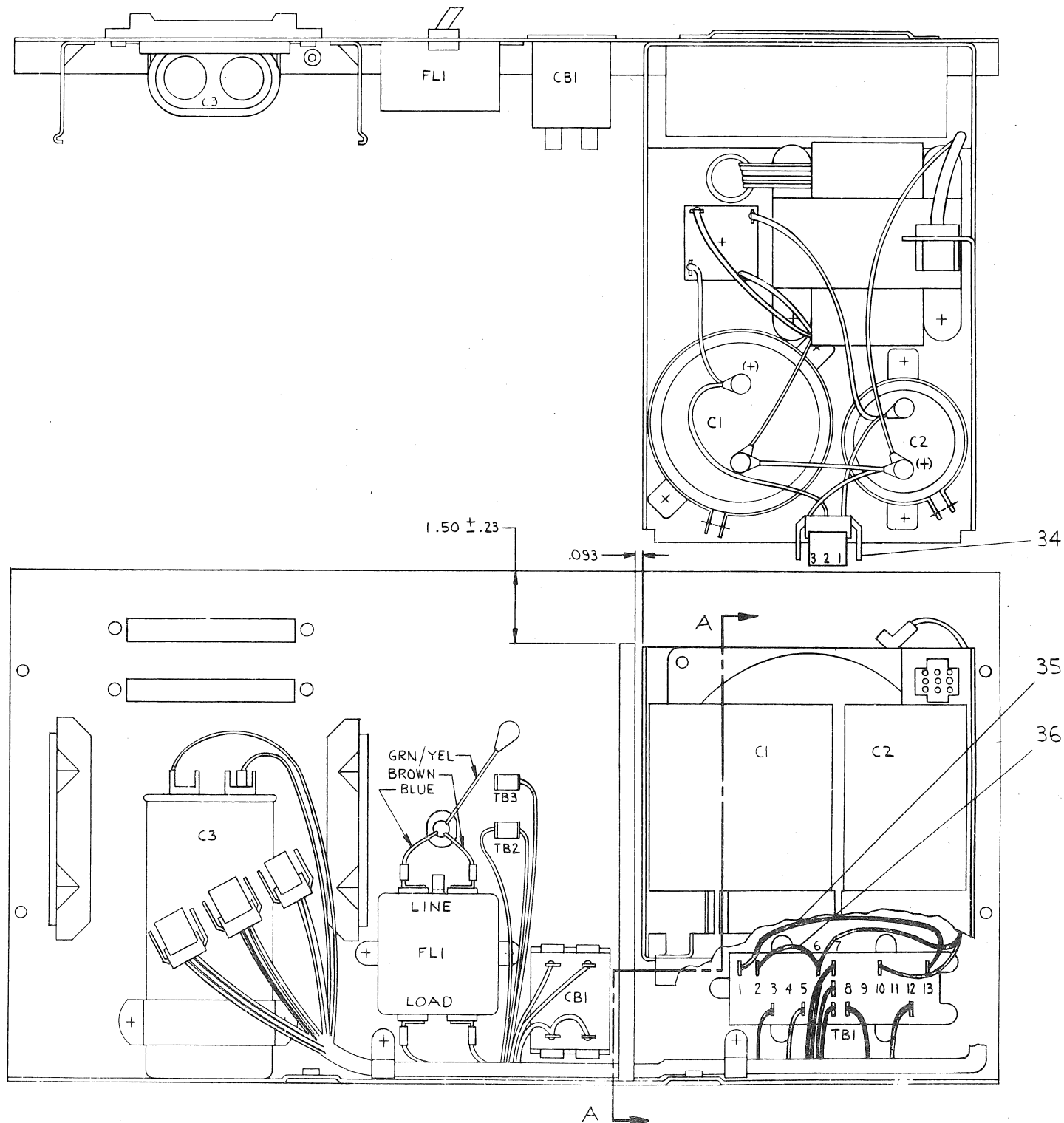
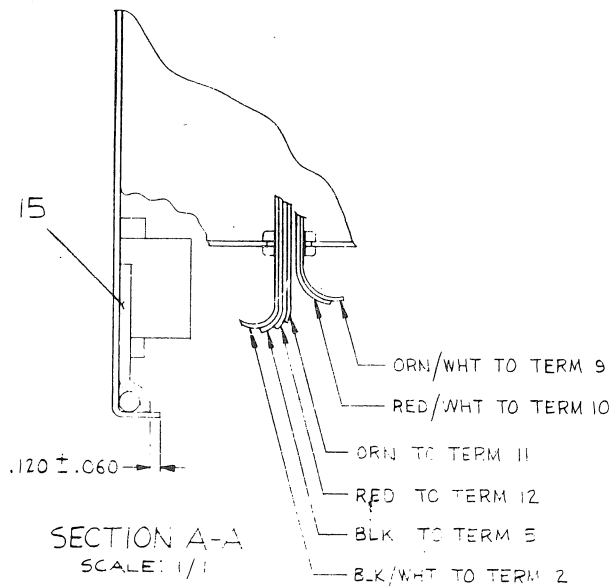


DESCRIPTION		QTY	PART NO.	ITEM NO.
RL02 SYSTEM CABLING				
B-10-RL1-1-0				
REV. A				
D I C				
RL02-0-3				
REV. A				
SET 2 OF 2				
DISC				

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NOTES:

- INPUT VOLTAGE: 50 OR 60 HZ
90-110, 105-128 VAC
180-220, 210-256 VAC
- OUTPUT VOLTAGE: ± 1.5 VDC MIN AT MIN POINT OF THE RIPPLE, 18 VDC MAX AT HIGH LINE (MAX OF 25 VDC AT HIGH LINE NO LOAD).
- 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.
- 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
- 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.



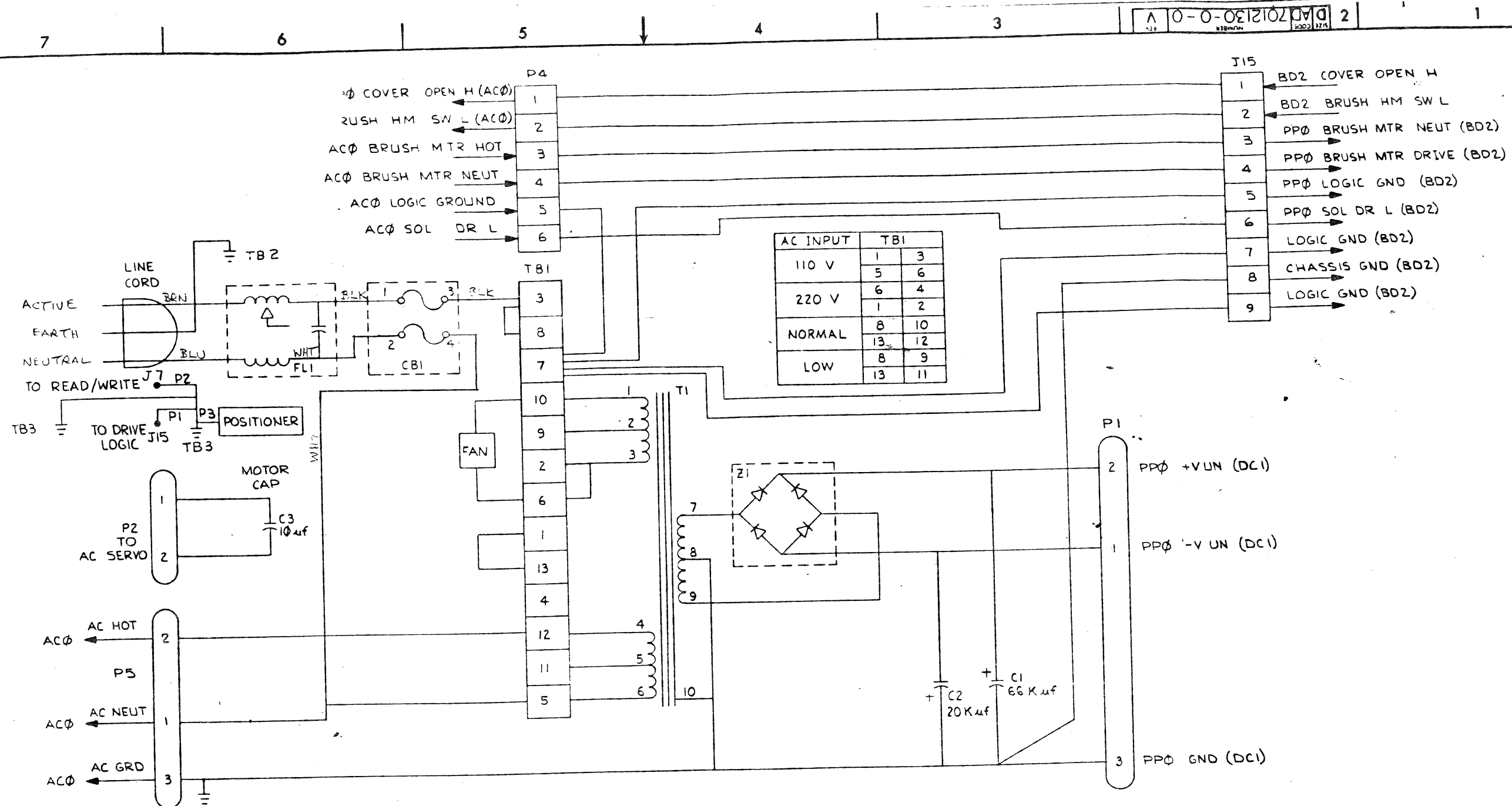
REVISIONS		
CHK	CHANGE NO.	REV.

DEC FORM NO. 000 127

TITLE
POWER PANEL ASSY
SCALE: 1/1

SHEET 2 OF 3

SIZE CODE
D AD 7012130-0-0
NUMBER
REV. M

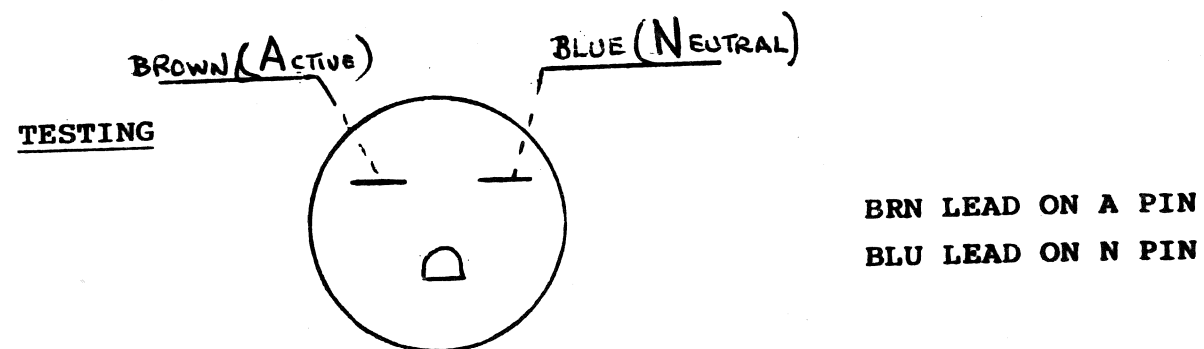


RL02/1 MODIFICATION
TO SWITCH BOTH
ACTIVE + NEUTRAL POLES

ATTACHMENT D

INSTRUCTIONS FOR MODIFICATION AND TESTING
WIRING OF CIRCUIT BREAKER RL01/RL02 DISK DRIVES

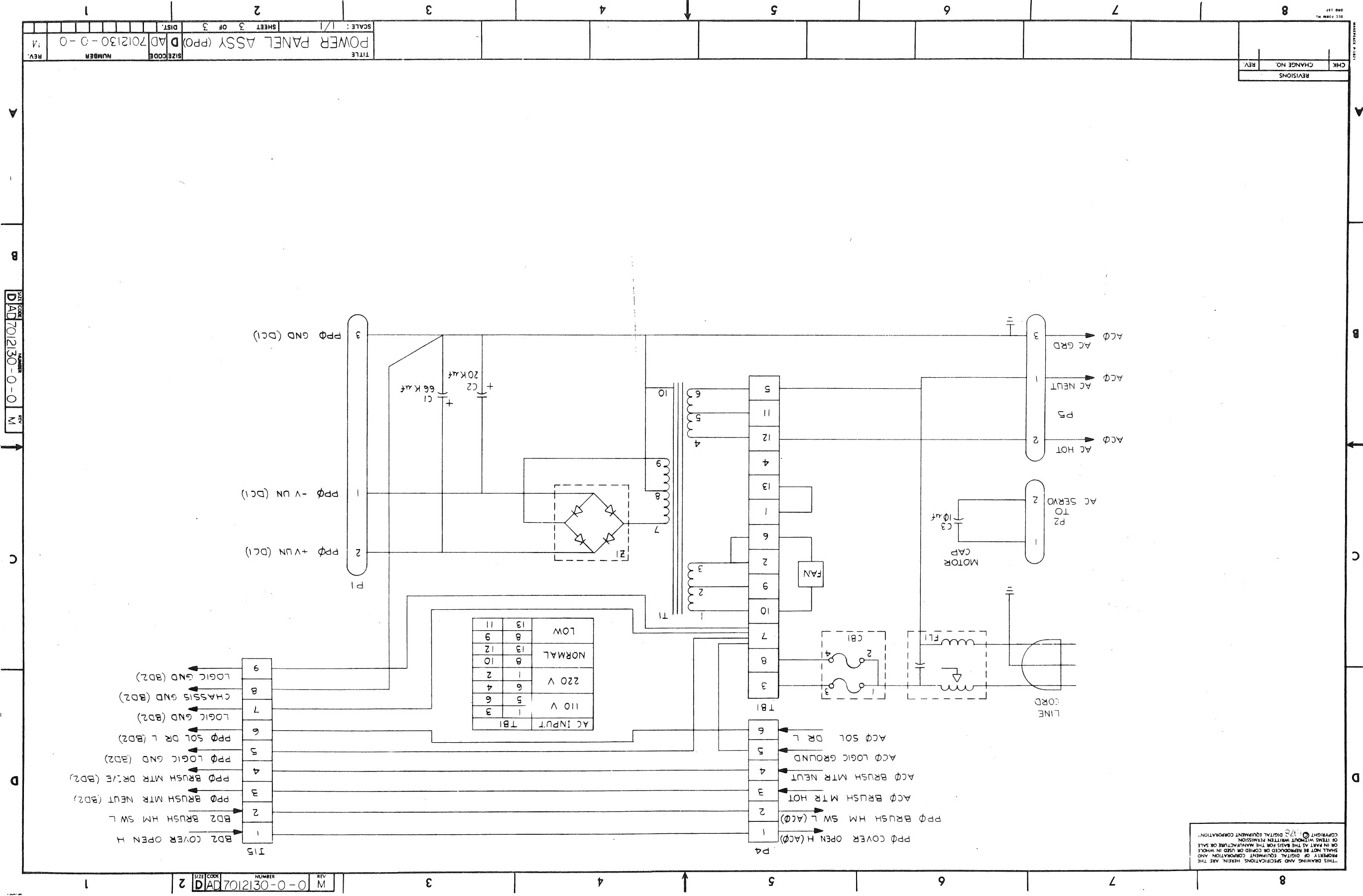
1. CUT AND DISCARD LINK BETWEEN CB1-1 & CB1-2
(active link between two poles)
2. MOVE WIRE FROM CB1-4 AND PLACE ON TB1-3
(i.e. parallel TB1-3 & TB1-8)
3. REMOVE THE WHITE WIRE ON TB1-5 (WHICH GOES TO BOTTOM
OF LINE FILTER FL1)
AND PLACE ON CB1-2
(neutral lead into equipment to CB1)
4. CONNECT NEW WHITE WIRE FROM CB1-4 TO TB1-5
(neutral from load side of CB1 to equipment)



FRONT VIEW OF PLUG
MATING FACE

- | | CB1 ON | CB1 OFF |
|-----------------------|--------|---------|
| "A" LEAD TO TB1-3 & 8 | S/C | O/C |
| "N" LEAD TO TB1-5 | S/C | O/C |
5. FIX DYMO LABEL "A & N BOTH SWITCHED" BESIDE CB1
ON REAR PANEL.
 6. CHANGE APPROPRIATE CIRCUIT DIAGRAM
IE SHOW MODIFICATION ON D-AD-7012130-0-0 POWER PANEL ASSY.

ATTACHMENT D.



LINE ITEM DOCUMENT NO.

REVISION HISTORY		VARIATIONS FOR THIS ASSY.	
CHK	ECO NO	REV	GO
INIT	A		
MADE BY:	JERRY BEST	DATE:	14-AUG-78
CHECKED:	L. ROHR	DATE:	14-AUG-78
USN.ENG.:	B. NOGUCHI	DATE:	
PROD.:	P. CHURCH	DATE:	
RESP.ENG.:	P. NOGUCHI	DATE:	14-AUG-78
ASSY. NO.:	D-UA-5413536-0-0	DATE:	
EDIT:		DATE:	
SIZE CODE:	DOCUMENT NUMBER	REV	
PARTS LIST	READ/WRITE BOARD		
DIGITAL EQUIPMENT CORPORATION		MAYNARD, MASSACHUSETTS	

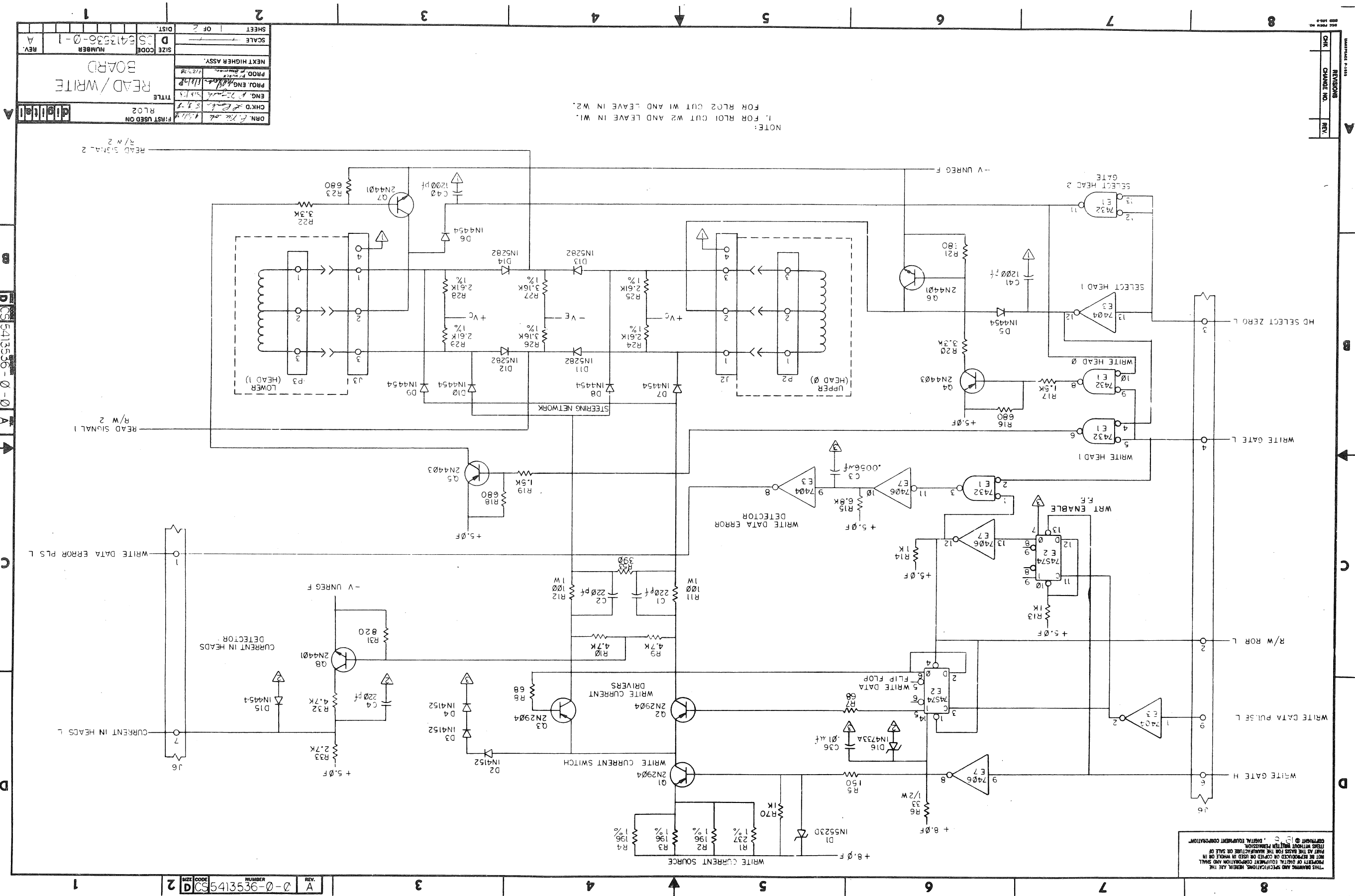
PARTS LIST

QTY REFERENCE DESIGNATORS

LINE ITEM	DOCUMENT NO.	PART NO.	DESCRIPTION	QTY	REFERENCE DESIGNATORS
30	1300426-00	2.7	K 1/4W 5% CC	1	R33
31	1302956-00	196	K 1/4W 1% RN55D-F 100PPM	3	R2,R3,R4
32	1300439-00	3.3	K 1/4W 5% CC	2	R20,R22
33	1305143-00	825	K 1/4W 1% RN55D-F 100PPM	2	R44,R45
34	1303303-00	2.61	K 1/4W 1% RN55D-F 100PPM	4	R24,R25,R28,R29
35	1302645-00	1.1	K 1/4W 1% RN55D-F 100PPM	1	R61
36	1301477-00	82	K 1/4W 5% CC	1	R68
37	1301322-00	180	K 1/4W 5% CC	2	R37,R38
38	1313469-00	240	K 1/4W 5% CC	1	R34
39	1303045-00	3.16	K 1/4W 1% RN55D-F 100PPM	2	R26,R27
40	1501913-00	2N 2904A	PNP 600MW SI 60 40 Y	3	Q1-Q3
41	1513489-00	2N 4401	NPN 350MW SI 40 20	3	Q6-Q8
42	1513490-00	2N 4403	PNP 350MW SI-40 30	2	Q4,Q5
43	1210001-00	HEAT SINK - 2201 HED		3	
44	9007201-00	TRANSIPADS #10253		3	
45	9008268-00	COMPOUND, THERMAL JOINT		1	L6
46	1611257-01	CHOKER(CERAMIC HEAD)AXIAL LEAD, ON TAPE, FOR		4	L2-L5
47	1613898-01	33.0 OHM INDUCTOR		1	L1
48	1613898-02	39.0 OHM INDUCTOR		1	E8
49	1910268-00	DEC 75107B RECEIVER, LINE, DUAL, 25 MV, MASS		1	E3
50	1909686-00	7404 INVERTER GATE-HEX 1IN		1	E2
51	1910544-00	74574 FF-D DUAL, EDGE TRIGGER		1	E9,E10
52	1910644-00	733 DIFFERENTIAL AMP, WIDE BAND		2	E7
53	1910741-00	7406 INVERTER GATE-HEX 1IN, BUFFER, 0		1	E1
54	1911521-00	7432 OR GATE-QUAD 2IN, POSITIVE		2	E5,E4
55	1910268-01	DEC 75107B-01 RECEIVER, LINE, DUAL, 10 MV, MA		1	E6
56	1910725-00	75108R RECEIVER, LINE, DUAL, MASSBUS		1	J6
57	1209941-06	HEADER, 100 20POS RT ANGLE		1	
58	1209941-03	HEADER RT ANGLE LEFT LATCH FOR		1	
59	1209941-04	HEADER RT ANGLE, RIGHT LATCH FOR		1	
60	1210385-01	PIN		8	
61	9007791-00	TERM PCB		3	TP1,TP2,TP3
62	1303067-00	422	1/4W 1% RN55D-F 100PPM	2	R42,R43
63	1300219-00	68	K 1/4W 5% CC	4	R7,R8,R47,R57
64	1301423-00	6.8	K 1/4W 5% CC	3	R15,R64,R67
65	1300391-00	1.5	K 1/4W 5% CC	2	R17,R19
66	1114117-00	IN 4152	P1V=450 I=75M	3	D2-D4
67	1113003-00	IN 5282	P1V=55 I=500M D035	4	D11-D14
68	1015573-01	560M, 0.0 MWF	50V 5% CFR, S	5	C3,C6,C7,C13,C14
69	1304857-00	237	1/4W 1% RN55D-F 100PPM	1	R1
70	1300309-00	390	1/4W 5% CC	1	R53
71	1013466-17	CAP., 150PF, 50V, CER, AX.		2	C15,C44
72	1309150-07	2	K 1/2W1% POT 100PPM	2	R40,R41
73	9009185-00	JUMPER, WIRE, INSULATED, BLACK BAND		2	W1,W2

***** UNDERGOING CHANGE *****

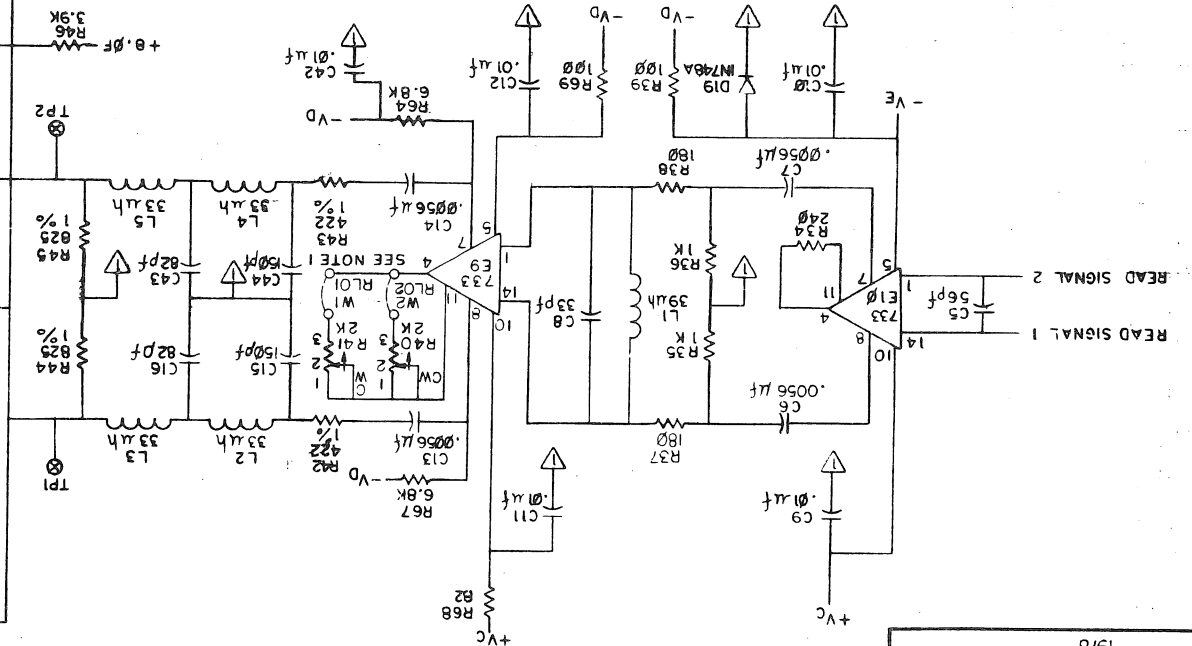
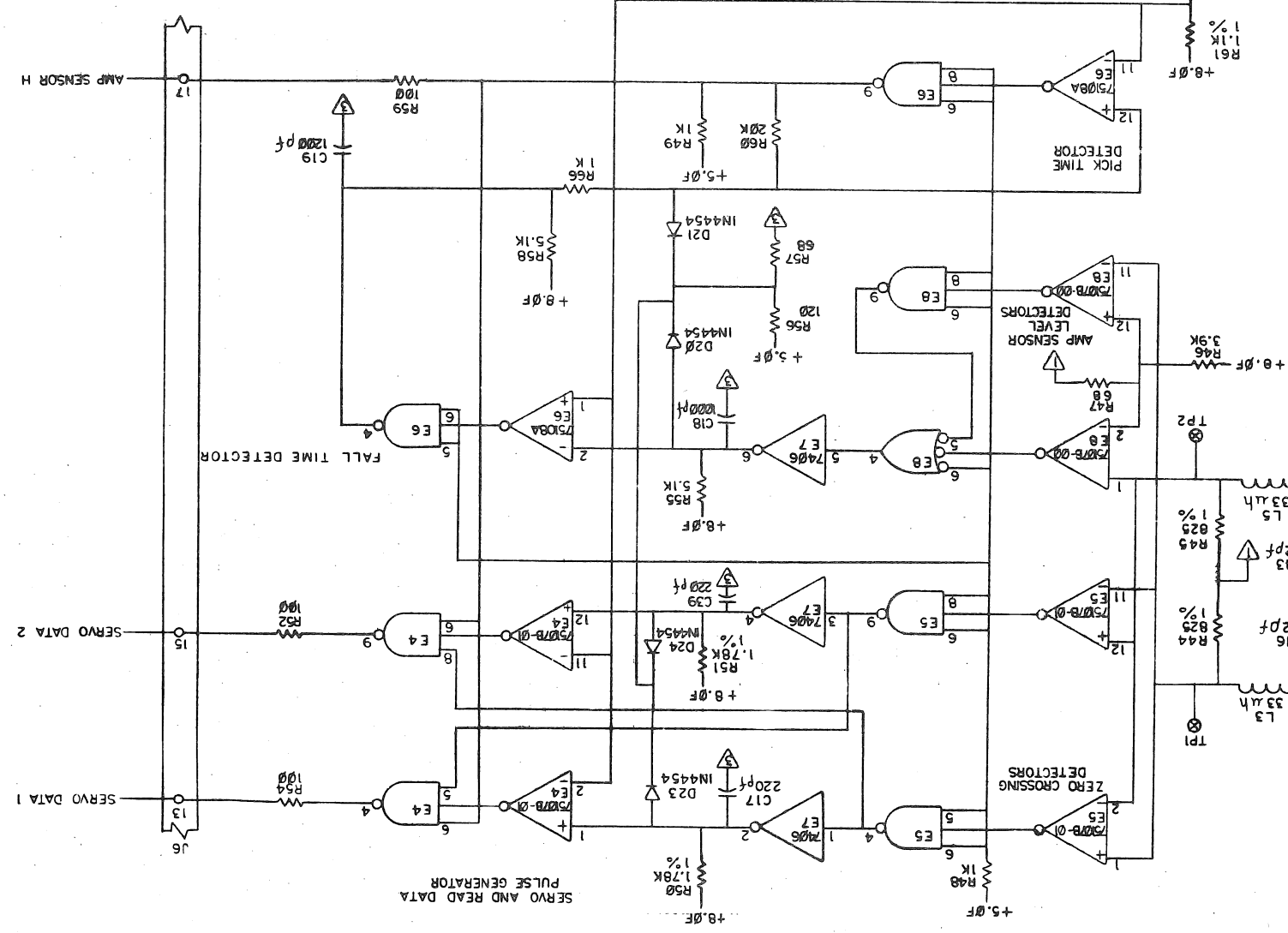
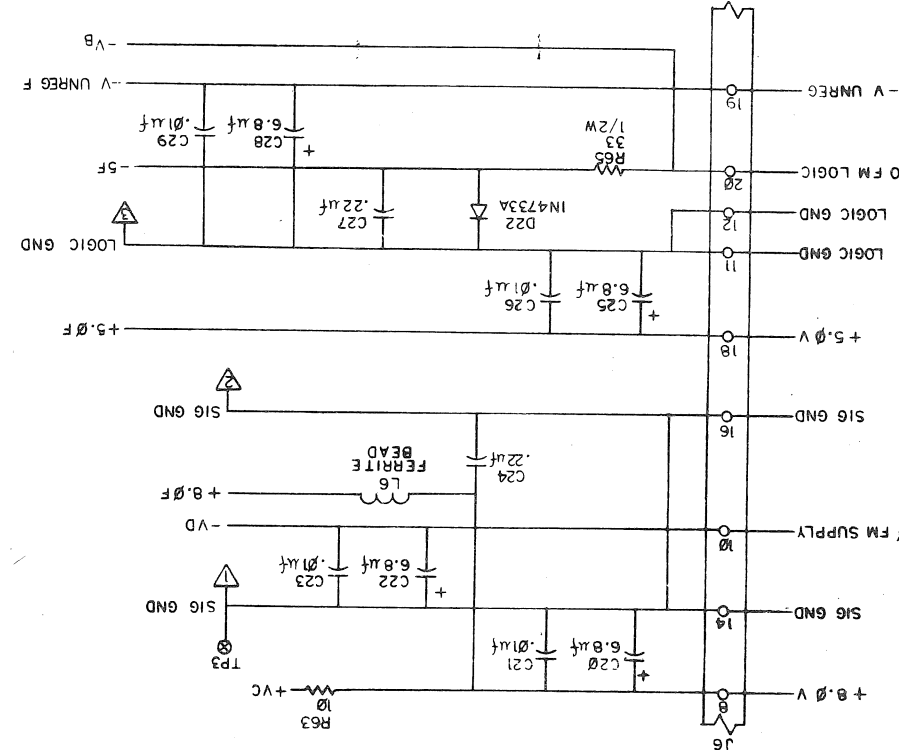
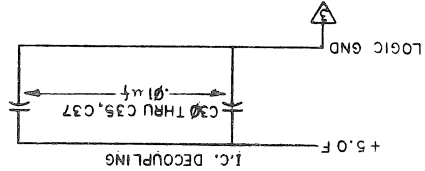
TITLE	PARTS LIST	SIZE/ CODE	DOCUMENT NUMBER	REV
DIGITAL EQUIPMENT CORPORATION FAYHARD, MASSACHUSETTS	READ/WRITE BOARD	K PL	5413536-0-DRP	1A



REV.	CHANGE NO.	REVISIONS

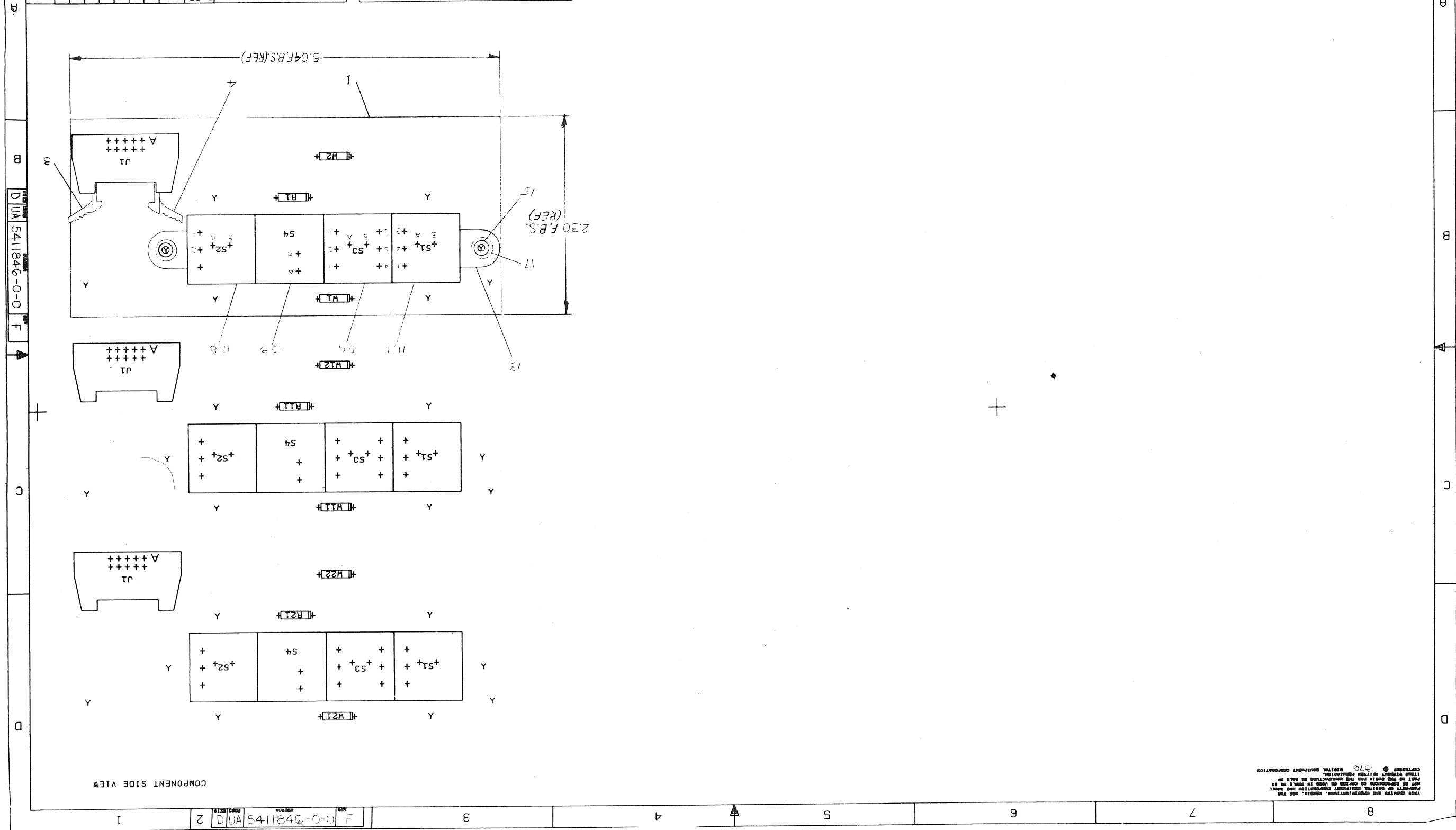
IC	E NO	+5.0V	-5.0V	
75107B-00	E8	14	13	7
7404	E3	14	13	7
75107B-01	E4, E5	7	14	13
7406	E7	7	14	13
E1	14	14	13	7
75108A	E6	7	14	13

VOLTAGE & GND PINS NOT SHOWN IN LOGIC



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NOTES:									
CHECK/CHANGE NO. REV. P.C. DESIGN DATA BASE REV. D ETCH REV. D									
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DIGITAL EQUIPMENT CORPORATION										PARTS LIST			
MADE BY S. MARLOW DATE 7 APR 77				CHECKED P. BURNELL DATE 10 JAN 77		PROD L. KIRN DATE 9 MAR 77		ISSUED SECTION		DATE		ENG G. REICHENBERG DATE 7 MAR 77	
ITEM NO.		DRAWING NO.		PART NO.		DESCRIPTION		5411846-0-0		QUANTITY / VARIATION		NOTES:	
1		D-MD-5011845-0-0		5011845		ETCH BOARD		1					
2		1209941-05		CONN., 10 PIN MORG				1				J1	
3		1209941-04		CONN., LATCH-LEFT				1				S1	
4		1209941-03		CONN., LATCH-RIGHT				1				S3	
5		1212690-02		SWITCH, UNIT SELECT				1				S4	
6		1212691-00		SWITCH CAP., DRIVE SELECT UNIT 0				1				S3	
7		1212714-05		SWITCH CAP., LOAD				1				S1	
8		1212714-01		SWITCH CAP., WRITE PROTECT				1				S2	
9		1212714-02		SWITCH CAP., FAULT				1				S4	
10		1212715-02		INDICATOR, FAULT DISPLAY				1				S4	
11		1212717-05		SWITCH, PB				2				S1, S2	
12		1212716-01		BULB, 14V				1				R1	
13		1213188-01		SWITCH MOUNTING BRACKET, 4 POS.				1					
14		1509365		RES., 1K, 1W, 5%				1					
15		9006732		EYELET, GS4-7				2					
16		9107569-01		BUS WIRE, JUMPER				2				W1, W2	
17		9006655		WASHER				2					

REFERENCE DESIGNATOR

DESCRIPTION

00

REFERENCE DESIGNATOR

REVISION HISTORY										BASIC PART NO: 5411848																																																																																																													
ENG	ECO NUMBER	REV	SECTION A		OF A		DRN:	H. RICHER	DATE: 23 MAR 76	TITLE										PARTS LIST										AC SERVO																																																																																									
INITIAL										SECTION, VARIATION INDEX										CHK'D:										F. BURNELL										DATE: 10 JAN 77										DATE: 7 JUN 77										DOCUMENT NUMBER										REV																																																	
RESP. ENG.: F. BADUM										DES. ENG.: F. BADUM										DATE: 7 JUN 77										DATE: 7 JUN 77										SIZE CODE NUMBER										MFG. ENG.: D. LESAGE										ASSEMBLY NUMBER:										D-UA-5411848-0-0										FILE NAME:										Z0491.PLS										EDIT #																			
[CB]										[CA] 00										[E]										[F]										[G]										[H]										[I]										[J]										[K]										[L]										[M]										[N]									

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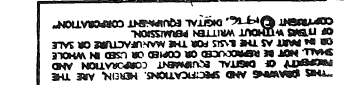
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J

LINE ITEM DOCUMENT NUMBER PART NUMBER DESCRIPTION QTY PER VARIATION REFERENCE DESIGNATOR

30	1300296-00	330	1/2W 5%	CC	1	R17
31	1302388-00	2	K 1/4W 5%	CC	1	R13
32	1309595-00	1	M 1/4W 5%	CC	1	R9
33	1303176-00	1.6	K 1/4W 5%		1	R19
34	1209941-03	HEADER	RT ANGLE LEFT L		1	J1
35	1209941-04	HEADER	RT ANGLE,RIGHT		1	J1
36	1510877-00	2N 6028	UJT 300MW R67B		2	Q1,Q6
37	1110968-00	2N 5062	SCRQ100V I=.8A 1092		1	Q2
38	1510070-00	TRIACQ400V,I> 8A	#RCA40669 M		2	Q3,Q4
39	1513489-00	2N 4401	NPN 350MW SI 40 20		1	Q5
40	9006557-00	NUT,KEF	4-40X 1/4 AF		2	Q3,Q4
41	9006010-01	SCREW,PAN ,FHIL,	4-40X 5/16		2	Q3,Q4
42	9006655-00	WASHER, FLAT, .312	O.D. X .125 I		2	Q3,Q4
43		***	THIS ITEM IS NOT USED ***		-	
44	1000002-04	.33	MFD 35V 10% .150D S.1A		1	C6
45	1314650-00	91	K 1/4W 5%	CC	1	R2

D	I	G	I	T	A	L	TITLE	AC SERVO	SECTION A OF A	K	PL	5411848-0-DRP	F
REV	NUMBER	DOCUMENT	SIZE	CODE	REV								

DRAWN BY	DRG 1000	CHK'D BY	BURTON	ENG.	6-8-77	PROD. ENG.	6-8-77	PROD.	6-8-77	NEXT HIGHER ASSY.	P-D-U-A-5411848-B-0-0	SCALE	1" = 1"	SHEET	1	2
FIRST USED ON	RL01	TITLE	AC SERVO	REV	F	SIZE	D	CODE	CS	NUMBER	5411848-0-1	Q/S	1			



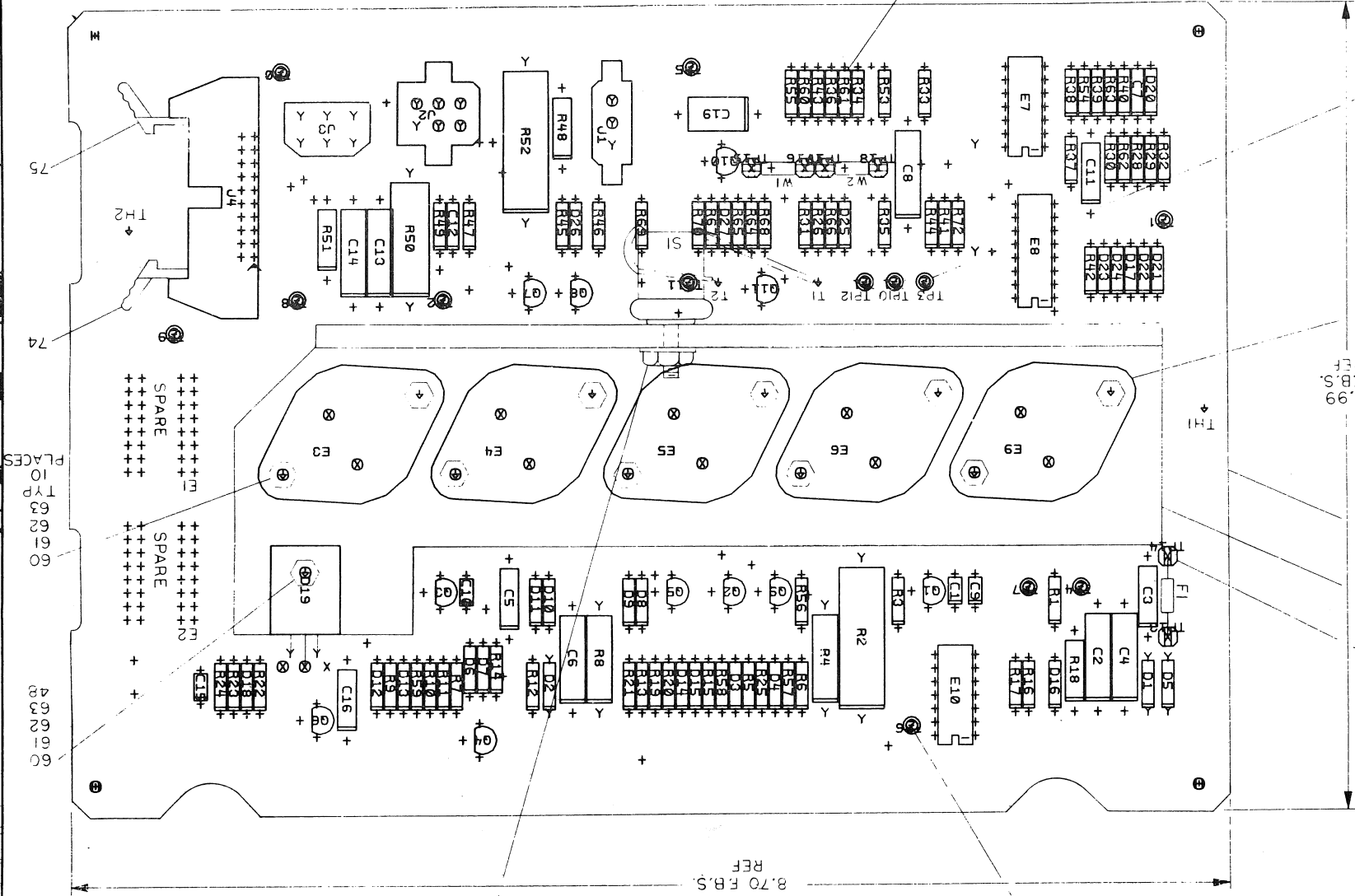
D-LS-5411848-0-1

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AERIAL EQUIPMENT CORPORATION
1972

NOTES:
1. TP31P11, 1.5" x 1.5" x 0.062" (1.5" x 1.5" x 0.062")
2. R60 AND R61 ARE TO BE INSTALLED AFTER FINAL TEST.
3. INSTALL W1 AND W2 IN BOARD.
INSTALL W2 ONLY - IN BOARD.

CHANGE NO	REV
1	1
2	1
3	1
4	1
5	1
6	1
7	1
8	1

P.C. DESIGN DATA BASE REV. BL	
ETCH REV. B	
SHT. 1 OF 3	
SCALE 2/1	
PROD. DATE 11/1/76	
PROJ. ENG. J. H. H.	
ENG. D. J. H.	
CHK. D. J. H.	
DATE 11/1/76	
SIGNATURES	
DR. J. H. H.	
1 MS#291-021	
NEXT HIGH-PR. ASSY. B-00-5413534-0	
SIZE CODE	
D UA 5413534-0-0	
REV	
TITLE DC SERVO & POWER SUPPLY	
DIGITAL	



REFERENCE DESIGNATOR

DESCRIPTION

00

REFERENCE DESIGNATOR

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LINE ITEM DOCUMENT NUMBER PART NUMBER DESCRIPTION QTY FOR VARIATION REFERENCE DESIGNATOR

29	1303312-00	10.0	K 1/4W	1% RN55D-F 100PFM	3	R28,R29,R62
30	1312924-00	10.7	K 1/4W	1% RN55D-F 100PFM	1	R32
31	1309412-00	18.2	K 1/4W	1% RN55D-F 100PFM	1	R33
32	1315436-00	52.3	K	1% RN55D-F 100PFM	1	R54
33	1304843-00	243	K 1/4W	1% RN55D-F 100PFM	1	R72
34	1315437-00	237	K	1% RN55D-F 100PFM	1	R38
35	1302378-00	51	1/2W	5% CC	1	R51
36	1300364-00	1	K 1/2W	5% CC	2	R18,R48
37	1314068-00	360	1W	5% CC	1	R4
38	1300368-00	1	K 1W	5% CC	1	R8
39	1301494-00	200	2W	5% CC	1	R50
40	1313358-00	.2	5W	3% WM	2	R2,R52
41	1105796-00	IN 4004	PIV=400 I= 1A	D041 SP	3	D1,D2,D5
42	1113953-00	IN 5523D	VZ= 5.1 1%		8	D4,D6,D8,D9,D16,D18,D21,D22
43	1109990-00	IN 757A	VZ= 9.1 5% .40W F		2	D23,D24
44	1110994-00	IN 751A	VZ= 5.1 5% .40W		1	D14
45	1114117-00	IN 4152	PIV=450 I=75M		6	D3,D7,D10,D11,D12,D13
46	1111577-00	IN 4454	TR= 4ANS PIV= 50 S		6	D15,D17,D20,D25-D27
47	1513698-00	TRIACQ200V,I>14A			1	D19
48	9009597-00	INSULATOR, THERMA-FILM		\$	1	
49	1513489-00	2N 4401	NPN 350MW SI 40 20		4	Q2,Q4,Q8,Q9
50	1513490-00	2N 4403	NPN 350MW SI-40 30		6	Q1,Q3,Q5-Q7,Q11
51	1511282-00	MJ2500	NPN 150WC SI 60 S 1K 5A		2	E4,E6
52	1511349-00	TIP 640 (OR MJ3000)	NPN DARLINGT		1	E3
53	1911706-00	5012	ANALOG SWITCH,4CHNL		1	E8
54	1912818-00	LS38	NAND BUFFER-QUAD ZIN		1	E10
55	1912107-01	324ANDP	AMP,QUAD		1	E7
56	1913695-00	7808	VOLT.REG.FIX	+	1	E9
57	1913694-00	7908	VOLT.REG.FIX	-	1	E5
58	9008419-00	WASHER, FLAT, THERMAFILM .002THK			5	
59	7418595-00	HEATSINK ASSEMBLY			1	
60	9008033-01	SCREW,FAN ,PHIL,	4-40X 9/16		11	
61	9006557-00	NUT,KEF	4-40X 1/4 AF		11	
62	9006655-00	WASHER, FLAT, .312 O.D. X .125 I			11	
63	9008268-00	COMPOUND, THERMAL JOINT		\$ A/R		
64	1210824-00	THERMOSTAT,00215,C0156,SPST			1	S1
65	9008185-00	NUT,KEF	6-32X1/4 AF		1	
66	9006653-00	WASHER, FLAT, .375 O.D. X .156 I			1	
67	1205747-00	FUSE, SUB-MINI, 5.000A, 125V, A			1	F1
68	9006735-00	EYELET, FUNNEL FLANGE, .059 OD X			6	TF13-TF18
69	9007791-00	TERM PCB	2POS SOLDER,TURRET		13	TF0-TF12
70	1213922-01	HEADER	3POS		1	J1
71	1213922-04	HEADER	6POS		1	J2
72	1213900-00	CONN,RCPT	6PIN		1	J3
73	1209941-06	HEADER,100 20POS	RT ANGLE		1	J4
74	1209941-04	HEADER	RT ANGLE,RIGHT		1	
75	1209941-03	HEADER	RT ANGLE LEFT L		1	

TITLE D.C. SERVO AND POWER SUPPLY SECTION A OF A

D I I G I T A L B

SIZE CODE DOCUMENT NUMBER REV

76	76	1305324-00	4.99 K 1/4W 1% RN50-F 100PFM	2	R37,R30
77	77	1300250-00	150 1/4W 5% CC	1	R42
78	78	1312618-00	16.9 K 1/4W 1% RN50-F 100PFM	1	R40
79	79	1300229-00	100 1/4W 5% CC	1	R63
80	80	1305336-00	*** THIS ITEM IS NOT USED ***	-	
81	81	1309416-00	31.6 K 1/4W 1% RN50-F 100PFM	1	R65
82	82	1015574-01	*** THIS ITEM IS NOT USED ***	-	
83	83	9009185-00	JUMPER, WIRE, INSULATED, BLACK B	2	W1,W2
84	84	1303044-00	100 K 1/4W 1% RN50-F 100PFM	1	R64
85	85	1015574-00	*** THIS ITEM IS NOT USED ***	-	
86	86	1315435-00	25.5 K 1/4W 1% RN50-F 100PFM	1	R66
87	87	1312930-00	5.1 K 1/4W 5% CC	1	R67
88	88	1015520-00	1 MFD 100V 5% M.POLYESTER	1	C19
89	89	1513697-00	2N 5640 FET N CHNML	1	Q10
90	90	1300479-00	10 K 1/4W 5% CC	1	R69
91	91	1302466-00	100 K 1/4W 5% CC	1	R70

RELEASABLE

D	I	G	I	T	A	L	TITLE	D.C. SERVO AND POWER SUPPLY	SECTION A OF A	SIZE CODE	DOCUMENT NUMBER	REV

REV	CHG	NO.	DATE
1	1	1	11/1/60

REV	CHG	NO.	DATE
1	1	1	11/1/60

REV	CHG	NO.	DATE
1	1	1	11/1/60

REV	CHG	NO.	DATE
1	1	1	11/1/60

REV	CHG	NO.	DATE
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REV	CHG	NO.	DATE
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REV	CHG	NO.	DATE
1	1	1	11/1/60

REV	CHG	NO.	DATE
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REV	CHG	NO.	DATE
1	1	1	11/1/60

REV	CHG	NO.	DATE
1	1	1	11/1/60

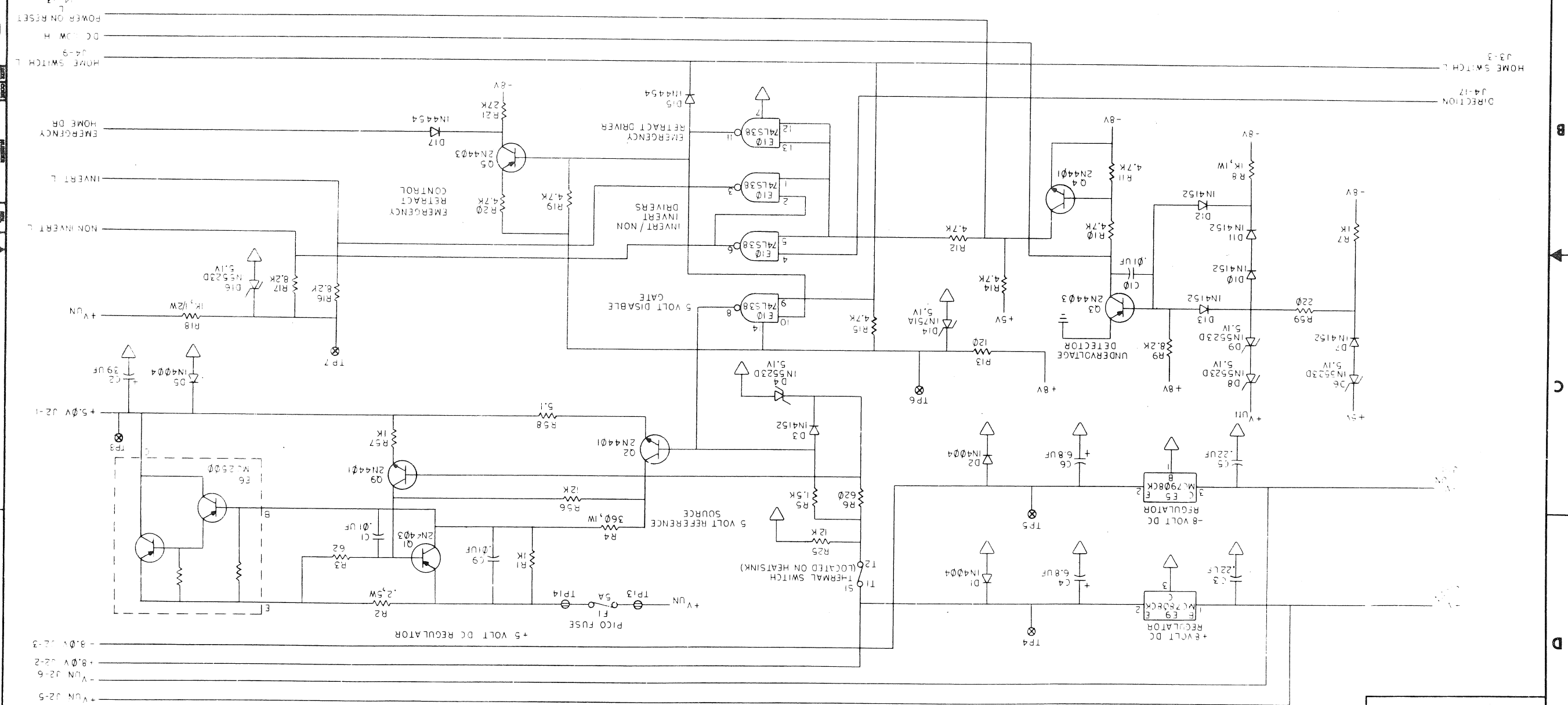
REV	CHG	NO.	DATE
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REV	CHG	NO.	DATE
1	1	1	11/1/60

REV	CHG	NO.	DATE
1	1	1	11/1/60

REV	CHG	NO.	DATE
1	1	1	11/1/60

NOTES:
 1. ALL RESISTORS TO BE 1/4W, 5% UNLESS OTHERWISE SPECIFIED.
 2. E1 AND E2 ARE SPARES.
 3. IN TESTING.
 4. INSTALL W2 ONLY FOR RLOL.



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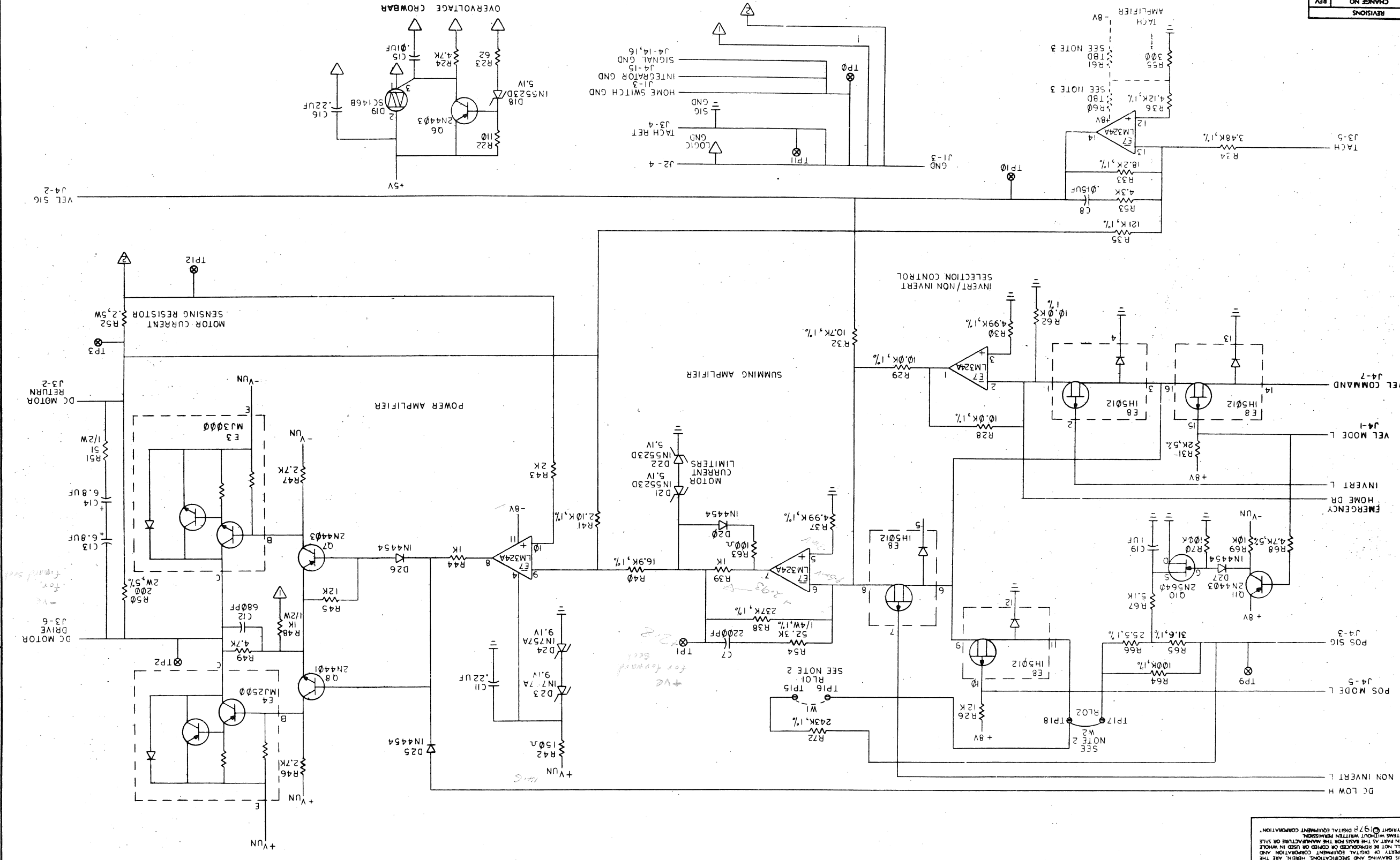
WATERFALL P.331

REV.	CHG.	NO.	REV.

B

C

D



REV.	CHG.	NO.	REV.

1	2	3	4	5	6	7	8

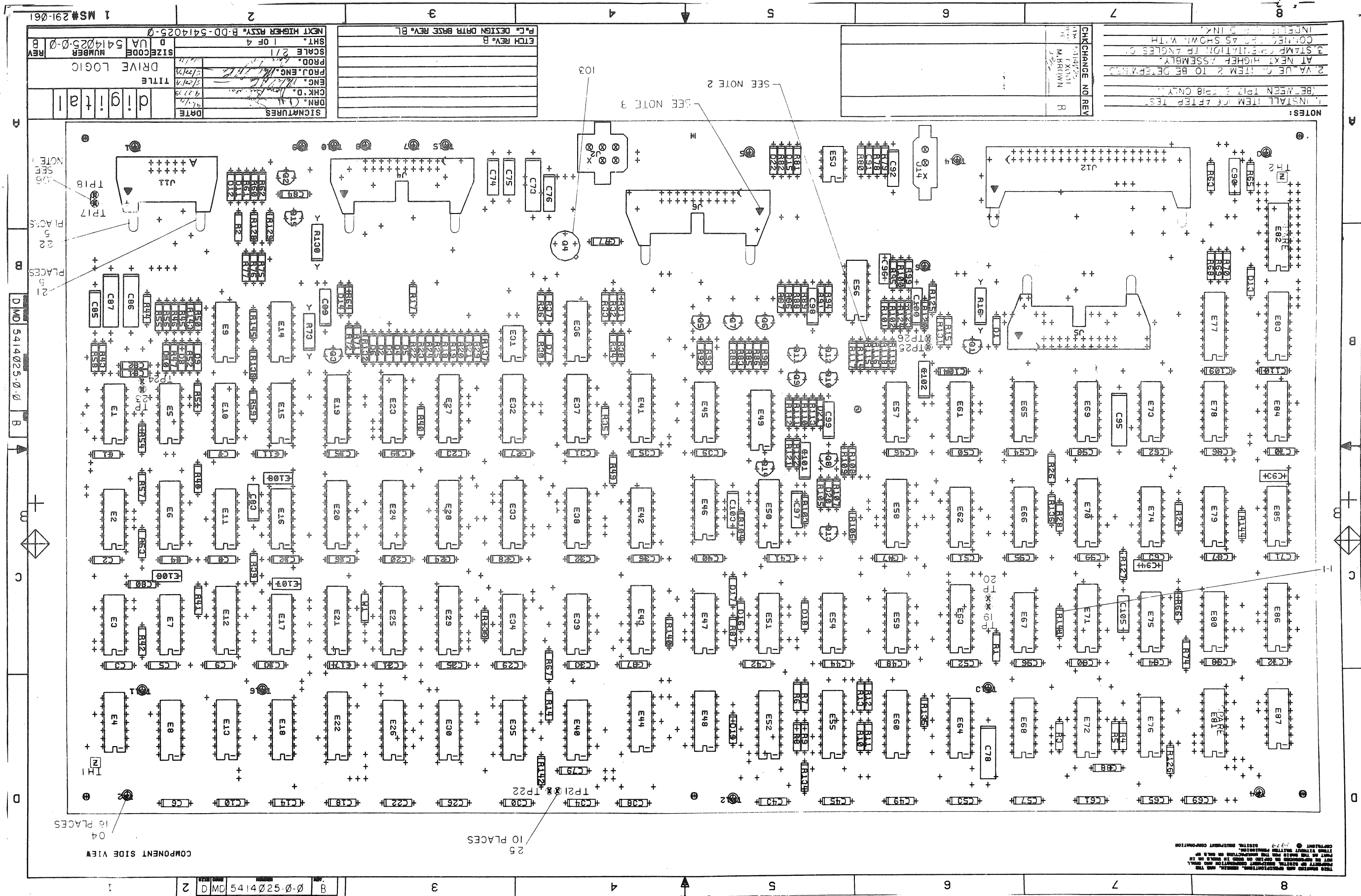
1	2	3	4	5	6	7	8

1	2	3	4	5	6	7	8

1	2	3	4	5	6	7	8

1	2	3	4	5	6	7	8

D-5-5413534-0-1 2 OF 2 RL02



62-61

ALL INFORMATION CONTAINED HEREIN IS UNCLASSIFIED
DATE 08-19-2010 BY 60322 UCBAW/SJS/KSP

LINE ITEM		DOCUMENT NUMBER	PART NUMBER	DESCRIPTION			QTY	PER VARIATION	REFERENCE DESIGNATOR
							00		
29	29		1300271-00	220	1/4W	5%	CC	4	R3,R14,R41,R143
30	30		1300315-00	470	1/2W	5%	CC	3	R16,R73,R130
31	31		1300316-00	470	1/4W	5%	CC	4	R1,R2,R79,R142
32	32		1300365-00	1	K 1/4W	5%	CC	16	R5,R15,R39,R40,R42,R47,R52,R54, R56,R61,R72,R74,R101,R106,R129, CONT R140 CONT R144
33	33		1300411-00	2	K 1/4W	1%	100PPM	1	R93,R124,R126
34	34		1300439-00	3.3	K 1/4W	5%	CC	3	R4,R6-R13,R26-R28,R34,R35,R38, CONT R43,R44,R49,R53,R57,R58,R62, CONT R75-R78,R80,R82,R92,R102,R105, CONT R123,R125,R127,R138,R145
35	35		1300447-00	4.7	K 1/4W	5%	CC	36	R70,R107 R18-R21,R45,R50,R66,R67,R71,R87, CONT R122,R128,R131
36	36		1300479-00	10	K 1/4W	5%	CC	2	R59
37	37		1302388-00	2	K 1/4W	5%	CC	13	R95
38	38		1302391-00	20	K 1/4W	5%	CC	1	R55
39	39		1302394-00	30	K 1/4W	5%	CC	1	R121
40	40		1302398-00	470	K 1/4W	5%	CC	1	R91,R120
41	41		1302466-00	100	K 1/4W	5%	CC	1	R94
42	42		1302514-00	39	K 1/4W	5%	CC	2	R88
43	43		1302666-00	10	M 1/4W	5%	CC	1	R25
44	44		1302871-00	1.21	K 1/4W	1%	RN55D-F 100PPM	1	R64,R65,R83,R85,R113
45	45		1303044-00	100	K 1/4W	1%	RN55D-F 100PPM	1	R89,R117
46	46		1303047-00	464	1/4W	1%	RN55D-F 100PPM	5	R17,R29-R31,R36,R60,R63
47	47		1303114-00	1.0	K 1/4W	1%	RN55D-F 100PPM	2	R108
48	48		1303312-00	10.0	K 1/4W	1%	RN55D-F 100PPM	7	R81
49	49		1304693-00	562	1/4W	1%	RN55D-F 100PPM	1	R110
50	50		1304841-00	75	K 1/4W	5%	CC	1	R33
51	51		1304862-00	1.62	K 1/4W	1%	RN55D-F 100PPM	1	R84,R86
52	52		1304870-00	6.81	K 1/4W	1%	RN55D-F 100PPM	1	R24
53	53		1305124-00	287	1/4W	1%	RN55D-F 100PPM	2	R96,R99
54	54		1305265-00	39.2	K 1/4W	1%	RN55D-F 100PPM	1	R23
55	55		1305266-00	365	K 1/4W	1%	RN55D-F 100PPM	2	R46,R51,R132
56	56		1305405-00	24.9	K 1/4W	1%	RN55D-F 100PPM	1	R109
57	57		1309595-00	1	M 1/4W	5%	CC	3	R97,R100
58	58		1310632-00	2.37	K 1/4W	1%	RN55D-F 100PPM	1	R111,R112
59	59		1311594-00	30.1	K 1/4W	1%	RN55D-F 100PPM	2	R68,R69,R137
60	60		1312929-00	62	1/4W	5%	CC	2	R22,R103,R104
61	61		1312930-00	5.1	K 1/4W	5%	CC	3	R90
62	62		1312989-00	17.8	K 1/4W	1%	RN55D-1782F	3	R32
63	63		1313589-00	1.4	K 1/4W	1%	RN55D-F 100PPM	1	R37
64	64		1313846-00	2.26	K 1/4W	1%	RN55D-F 100PPM	1	R114
65	65		1314041-00	3.01	K 1/4W	1%	RN55D-F	1	Q7,Q10,Q12
66	66		1314491-00	1.02	K 1/4W	1%	RN55D-F 100PPM	1	Q1-Q3,Q5,Q6,Q8,Q9,Q11,Q13,Q15
67	67		1513489-00	2N 4401	NPN	350MW	SI 40 20	3	Q14
68	68		1513490-00	2N 4403	PNP	350MW	SI-40 30	10	E9,E10,E68,E85
69	69		1513697-00	2N 5640	FET		N CHNNL	1	
70	70		1909929-00	7416	INVERTER	GATE-HEX 11		4	

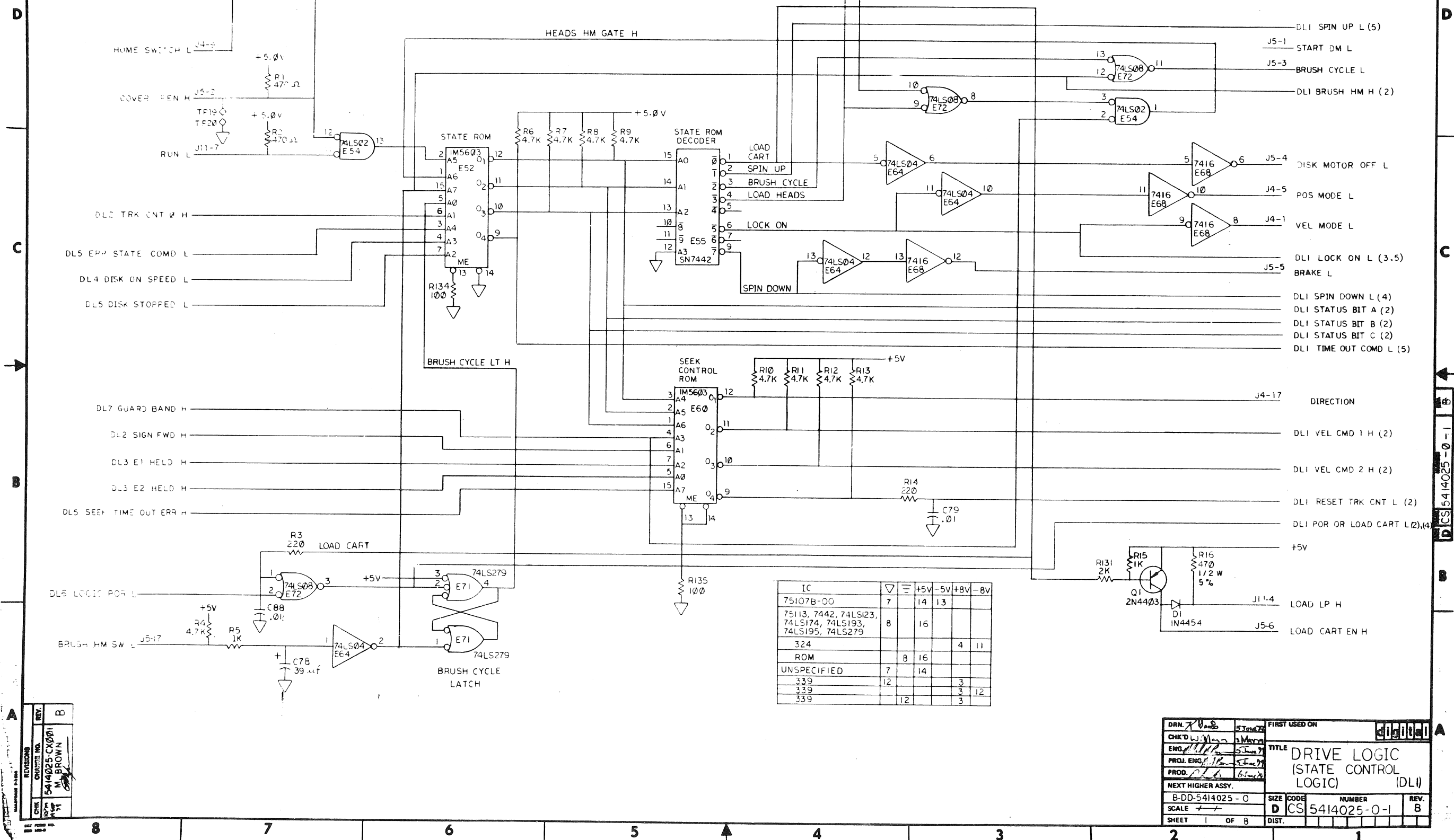
[illegible]

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					00		
71	71		1910046-00	7442 DECODER-1 OF 10,BCD	1		E55
72	72		1910268-00	DEC 75107B RECEIVER,LINE,DUAL,	4		E57,E61,E65,E87
73	73		1910298-00	741 OP AMP GEN PURP. COM	1		E31
74	74		1910363-00	7496 SHIFT REG.,5BIT	1		E63
75	75		1910536-00	74S10 NAND GATE-TRIPLE 3IN	1		E45
76	76		1910655-00	74157 MUX 2 TO 1 QUAD	2		E23,E24
77	77		1911341-00	75113 DRIVER,LINE,DUAL,MA	3		E77,E83,E86
78	78		1912107-01	324ANOP AMP,QUAD	1		E49
79	79		1912108-00	339 VOLT CMPRTR,QUAD	3		E5,E36,E56
80	80		1912541-00	79M05 VOLT.REG.FIX	1		Q4
81	81		1912697-00	LS174 FF-D HEX W/CLEAR	2		E37,E41
82	82		1912799-00	LS00 NAND-GATE-QUAD 2IN,P	4		E7,E15,E44,E67
83	83		1912801-00	LS02 NOR-GATE-QUAD 2IN	4		E1,E30,E39,E54
84	84		1912803-00	LS04 INVERTER GATE-HEX 1I	3		E64,E79,E80
85	85		1912805-00	LS08 AND GATE-QUAD 2IN,PO	6		E14,E34,E38,E69,E72,E76
86	86		1912807-00	LS10 NAND GATE-TRIPLE 3IN	1		E18
87	87		1912810-00	LS20 NAND GATE-DUAL 4IN	1		E2
88	88		1912813-00	LS27 NOR GATE-TRIPLE 3IN	1		E73
89	89		1912816-00	LS32 OR GATE-QUAD 2IN,POS	4		E17,E35,E59,E84
90	90		1912824-00	LS74 FF-D DUAL,EDGE TRIGG	9		E3,E11,E16,E26,E42,E46,E47,E62,E75
						CONT	
91	91		1912829-00	LS86 X-OR GATE-QUAD 2IN	3		E51,E66,E78
92	92		1912837-00	LS123 ONE SHOT-DUAL,RETRIG	1		E50
93	93		1912854-00	LS193 COUNTER,SYNCHR,4BIT,	3		E27,E28,E43
94	94		1912855-00	LS195 SHIFT REG.,4BIT PARA	5		E19-E22,E25
95	95		1912857-00	LS197 COUNTER,BINARY,PRESET	4		E4,E8,E13,E74
96	96		1912864-00	LS279 LATCH,QUAD-S-R	6		E6,E12,E29,E33,E58,E71
97	97		1913414-00	LS14 INVERTER GATE-HEX SC	2		E40,E48
98	98		1914156-00	LM 393 VOLT.COMPARATOR DUAL	1		E53
99	99		23368A2-00	A2-02,A2-04	1		E52
100	100		23371A2-00	A2-02,A2-04	1		E60
101	101		23444A2-00	A2-02,A2-04	1		E70
102	102		23445A2-00	A2-02,A2-04	1		E32
103	103		9007201-00	TRANSIPADS #10253	1		
104	104		9007791-00	TERM PCB 2POS SOLDER,TURRET	16		TP1-TP16
105	105		9009185-00	JUMPER, WIRE, INSULATED, BLACK B	1		W1
106	106		9105740-55	WIRE(WRAP)30AWG UL1423	A/R		
107	107		1012784-00	.047 MFD 50V -20+80 CER	8		C7,C46,C50,C54,C69,C72,C109,C110

D	I	G	I	T	A	L	TITLE	SECTION A	OF A	SIZE	CODE	DOCUMENT NUMBER	REV
							DRIVE LOGIC					5414025-0-DBP	B
										K	PL		

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8 7 6 5 4 3 2 1
D C S 5414025-0-1



IC	7	8	16	4	11
75107B-00	7	14	13		
75113, 7442, 74LS123, 74LS174, 74LS193, 74LS195, 74LS279	8	16			
324				4	11
ROM		8	16		
UNSPECIFIED	7		14		
339	12			3	
339				3	12
339		12			3

DRN. 70-8	57m475	FIRST USED ON	
CHK'D W. 1/1/75	57m475	TITLE	DRIVE LOGIC (STATE CONTROL LOGIC) (DLI)
ENG. 1/1/75	57m475	PROJ. ENG. 1/1/75	65m475
PROD. 1/1/75	65m475	NEXT HIGHER ASSY.	
B-DD-5414025-0	SIZE CODE	NUMBER	REV. B
SCALE 1/1	D	CS 5414025-0-1	
SHEET 1 OF 8	DIST.		

D-C-5-5414025-0-1 1 OF 8 RL02

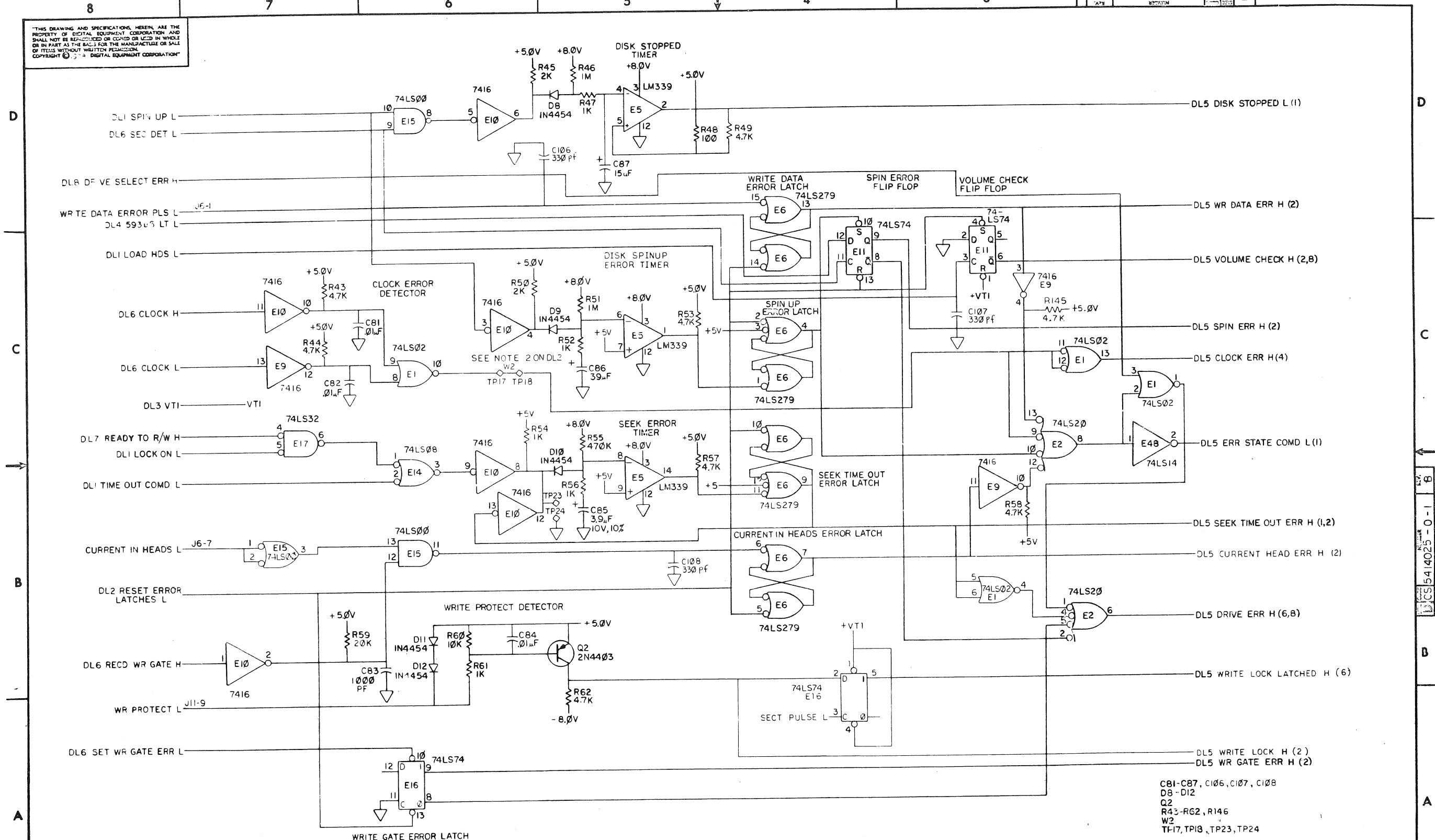


TITLE		DRIVE LOGIC (DISK SPEED CONTROL) (DL4)		SIZE	CODE	NUMBER		REV.
				D	CS	541025-0-1		B
SCALE	→ → →	SHEET	4 OF 8	DIST.				

RL 52

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8 7 6 5 4 3 2 1
CS 5414025-0-1



C81-C87, C106, C107, C108
D8-D12
Q2
R43-R62, R146
W2
TP17, TP18, TP23, TP24

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		DRIVE LOGIC (ERROR LOGIC) (DL5)	CS	5414025-0-1	REV.	B
SCALE		1	2	3	4	5

D-65-5414025-0-1 5 OF 8 R102