

"THE MATERIAL HEREIN IS FOR INFORMATION PURPOSES ONLY AND IS SUBJECT TO CHANGE WITHOUT NOTICE. DIGITAL EQUIPMENT CORPORATION ASSUMES NO RESPONSIBILITY FOR ANY ERRORS WHICH MAY APPEAR HEREIN."

FIELD MAINTENANCE PRINT SET

"THIS DRAWING AND SPECIFICATIONS, HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1981 DIGITAL EQUIPMENT CORPORATION."

TABLE OF CONTENTS

B-TC-RLV22-Ø-1	FIELD MAINTENANCE PRINT SET (RLV22)
B-DD-RLV22-Ø	DRAWING DIRECTORY (RLV22)
E-UA-RLV22-Ø-Ø	DISK/CONTROLLER ASSY (RLV22)
K-PL-RLV22-Ø-DBP	DISK/CONTROLLER ASSY (RLV22) (PL)
D-UA-M8Ø61-Ø-Ø	RLV12
K-PL-M8Ø61-Ø-DBP	PARTS LIST, M8Ø61
D-CS-M8Ø61-Ø-RLV1	BUS PROTOCOL
D-CS-M8Ø61-Ø-RLV2	TS DAL BUS
D-CS-M8Ø61-Ø-RLV3	CSR
D-CS-M8Ø61-Ø-RLV4	DMA AND INTERRUPT
D-CS-M8Ø61-Ø-RLV5	FIFO
D-CS-M8Ø61-Ø-RLV6	FIFO BUFFER REGISTER
D-CS-M8Ø61-Ø-RLV7	MUX'S & CRC
D-CS-M8Ø61-Ø-RLV8	CONTROL STORE SEQUENCER
D-CS-M8Ø61-Ø-RLV9	RLV12 CONTROL SIGNALS
D-CS-M8Ø61-Ø-RLVA	WRITE ENCODE CIRCUIT
D-CS-M8Ø61-Ø-RLVB	READ CIRCUIT
D-CS-M8Ø61-Ø-RLVC	CURRENT PUMP/VCO
D-CS-M8Ø61-Ø-RLVD	-5V CHARGE PUMP
D-CS-M8Ø61-Ø-RLVE	DRIVE BUS INTERFACE
D-CS-M8Ø61-Ø-RLVF	CAPS
D-UA-BC8ØM-Ø-Ø	BC8ØM I/O CABLE

UNIT VARIATIONS COVERED BY THIS PRINT SET

RLV22-AK

Field Maintenance
Print Set

Digital Equipment
Corporation

PRINT SET ORDER NO.
MPØ1283

REVISIONS	REV		USED ON OPTION/MODEL	DRN.	DATE	TITLE:	digital		
	CHG. NO.			RLV22	Jim SICARD			4 MAR 81	FIELD MAINTENANCE PRINT SET (RLV22)
					CHK'D			DATE	
					PROJ. ENG.			DATE	
					FIELD SERV.			DATE	
DATE			SHEET 1 OF 1			SIZE	CODE	NUMBER	REV.
						B	TC	RLV22-Ø-1	A
						DIST.			

DRG 124

MR

REV.
A

NUMBER
RLV22-Ø-1

CODE
TC

SIZE
B

THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1981 DIGITAL EQUIPMENT CORPORATION.

UNIT VARIATIONS

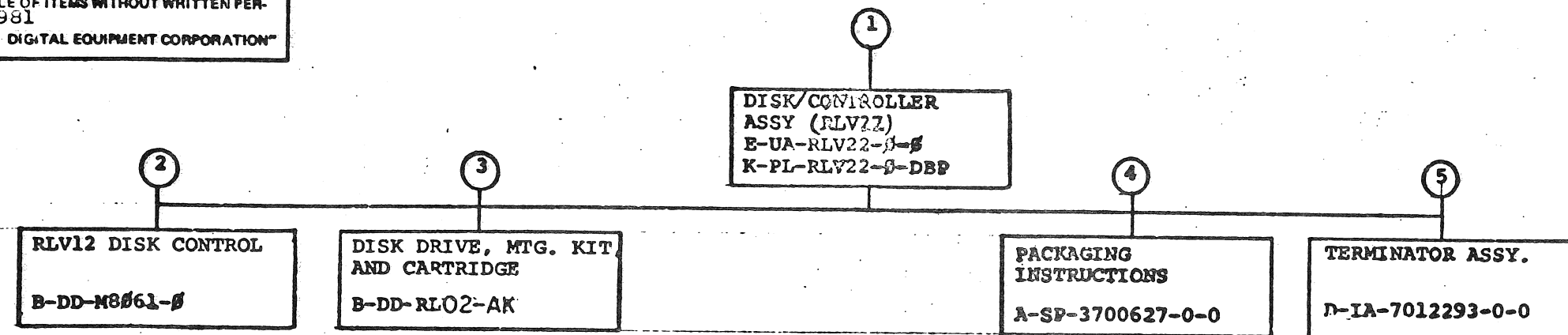
[illegible]

REVISIONS		CHK	CHANGE NO.	REV.
		RLV22-MRI		B

USED ON OPTION/P#MODEL	DRN.	DATE		TITLE									
RLV22	JIM SIGARD	4 81		DRAWING DIRECTORY (RLV22)									
	CHK'D.	MAR											
	PROJ. ENG.	DATE		SIZE		CODE	NUMBER			REV			
	Robert Fitch	11 SEP 81		B	DD	RLV22-B			B				
	PROD.	DATE		DIST.									
SHEET 1 OF 3													

digital

"THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. 1981
COPYRIGHT © DIGITAL EQUIPMENT CORPORATION"



REVISIONS
PARTS
A-SP-3700627-0-0

FIND NO.	DRAWING NO.	DESCRIPTION	TYPE
1	MP01283	RLV22 FIELD MAINTENANCE PRINT SET (MP)	-
	B-TC-RLV22-0-1	RLV22 FIELD MAINTENANCE PRINT SET (TC)	-
	A-SP-RLV12-0-8	RLV12 ENGINEERING SPECIFICATION	-
	E-UA-RLV22-0-0	DISK/CONTROLLER ASSY (RLV22)	E/M
	K-PL-RLV22-0-DBP	DISK/CONTROLLER ASSY (RLV22) (PL)	-
	A-PL-7012938-0-0	UNIT SELECT PLUG KIT	B/M
	EK-RLV12-UG	RLV12 DISK CONTROLLER USER GUIDE	-
	D-UA-BC80M-0-0	BC80M I/O CABLE	E/M
	A PS-1212691-01	SW, PB CAP "1/READY" FOR 1212690-00	-
	A-PS-1212691-02	SW, PB CAP "2/READY" FOR 1212690-00	-
	A-PS-1212691-03	SW, PB CAP "3/READY" FOR 1212690-00	-
	B-PL-RLV22-0-SH	RLV22 SHIPPING LIST	-
2	B-DD-M8061-0	RLV12 DISK CONTROL	E/M
3	B-DD-RL02-AK	DISK DRIVE, MTG. KIT AND CARTRIDGE	E/M
4	A-SP-3700627-0-0 9906309-02	PACKAGING INSTRUCTIONS DIE CUT CARTON W/FOAM	- -

FIND NO.	DRAWING NO.	DESCRIPTION	TYPE
5	D-IA-7012293-0-0	TERMINATOR ASFY	M
	A-DC-7416670-0-0	LOGO, TERMINATOR	M

TYPE: E ELECTRICAL
M MECHANICAL
E/M ELECTRO/MECHANICAL

digital

TITLE
DRAWING DIRECTORY (RLV22)

SHEET 3 OF 3

SIZE CODE
B DD

NUMBER
RLV22-0

REV
B

DRE 108A

digital

No.	TITLE	DATE
1	...	...
2	...	...
3	...	...
4	...	...
5	...	...
6	...	...
7	...	...
8	...	...
9	...	...
10	...	...
11	...	...
12	...	...
13	...	...
14	...	...
15	...	...
16	...	...
17	...	...
18	...	...
19	...	...
20	...	...
21	...	...
22	...	...
23	...	...
24	...	...
25	...	...
26	...	...
27	...	...
28	...	...
29	...	...
30	...	...
31	...	...
32	...	...
33	...	...
34	...	...
35	...	...
36	...	...
37	...	...
38	...	...
39	...	...
40	...	...
41	...	...
42	...	...
43	...	...
44	...	...
45	...	...
46	...	...
47	...	...
48	...	...
49	...	...
50	...	...
51	...	...
52	...	...
53	...	...
54	...	...
55	...	...
56	...	...
57	...	...
58	...	...
59	...	...
60	...	...
61	...	...
62	...	...
63	...	...
64	...	...
65	...	...
66	...	...
67	...	...
68	...	...
69	...	...
70	...	...
71	...	...
72	...	...
73	...	...
74	...	...
75	...	...
76	...	...
77	...	...
78	...	...
79	...	...
80	...	...
81	...	...
82	...	...
83	...	...
84	...	...
85	...	...
86	...	...
87	...	...
88	...	...
89	...	...
90	...	...
91	...	...
92	...	...
93	...	...
94	...	...
95	...	...
96	...	...
97	...	...
98	...	...
99	...	...
100	...	...

DRAWING DIRECTORY (RLV22)

SHEET 3 OF 3

SIZE	CODE
B	DD

NUMBER
RLV22-0

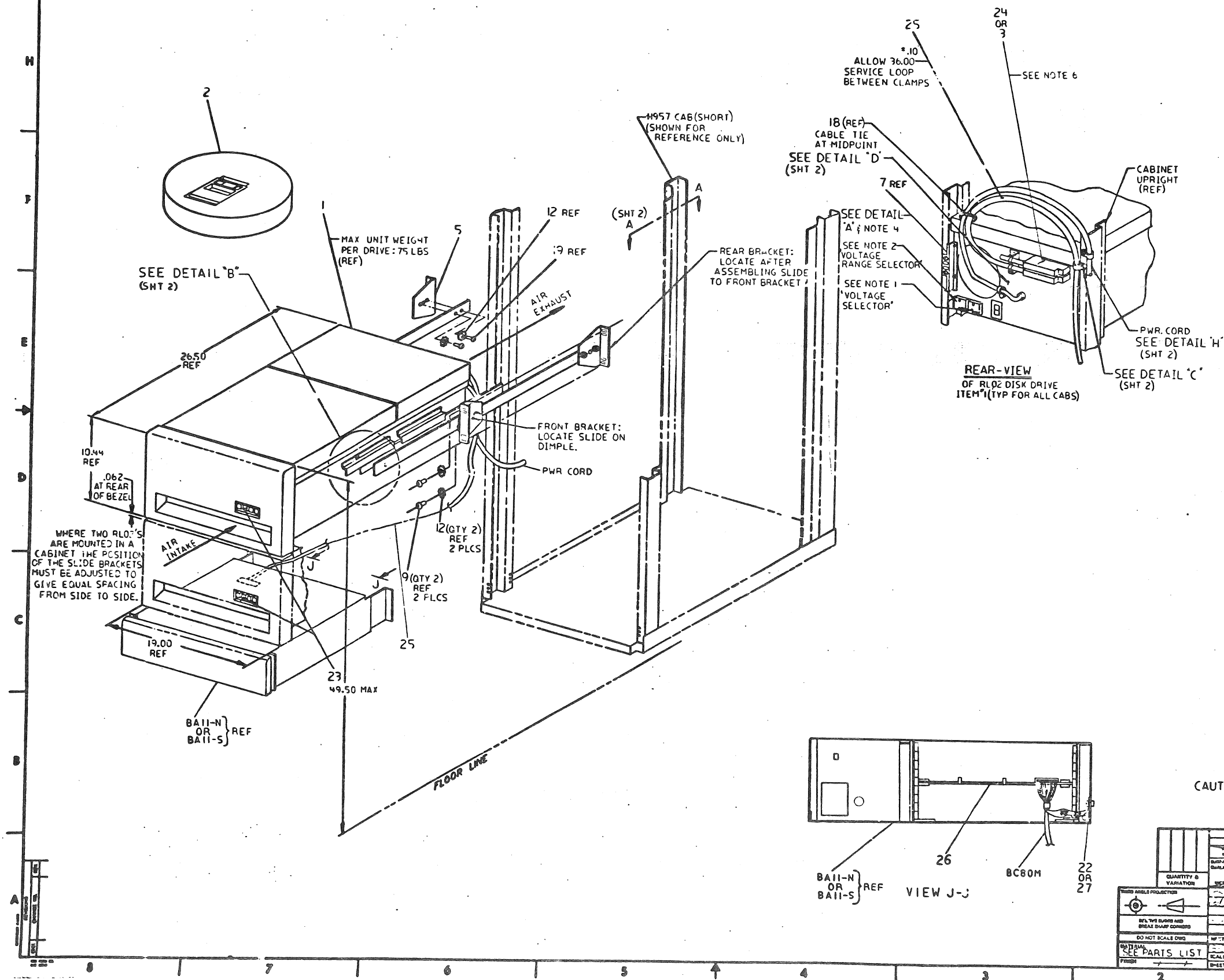
REV
B

MC

LINE VOLTAGE	VOLTAGE SELECTOR SETTING	VOLTAGE RANGE SELECTOR SETTING
90V-105V	110	LOW
100V-127V	110	NORMAL
180V-210V	220V	LOW
200V-254V	220V	NORMAL

LEGEND	
NUMBER	VARIATION
RLV22-AK	WITH DISK DRIVE

SEE SHEET 3 FOR NOTES



CAUTION: OFF SHEET PARTS LIST EXISTS
SEE K-PL-RLV22-0-DBP

DESCRIPTION		QTY	UNIT	ITEM NO
DISK/CONTROLLER ASSY (RLV22)		1	EA	1
B 02 RLV22-0-0		1	EA	2

DO NOT SCALE DIMS

SEE PARTS LIST

SCALE: 1" = 1'-0"

SHEET: 1 OF 1

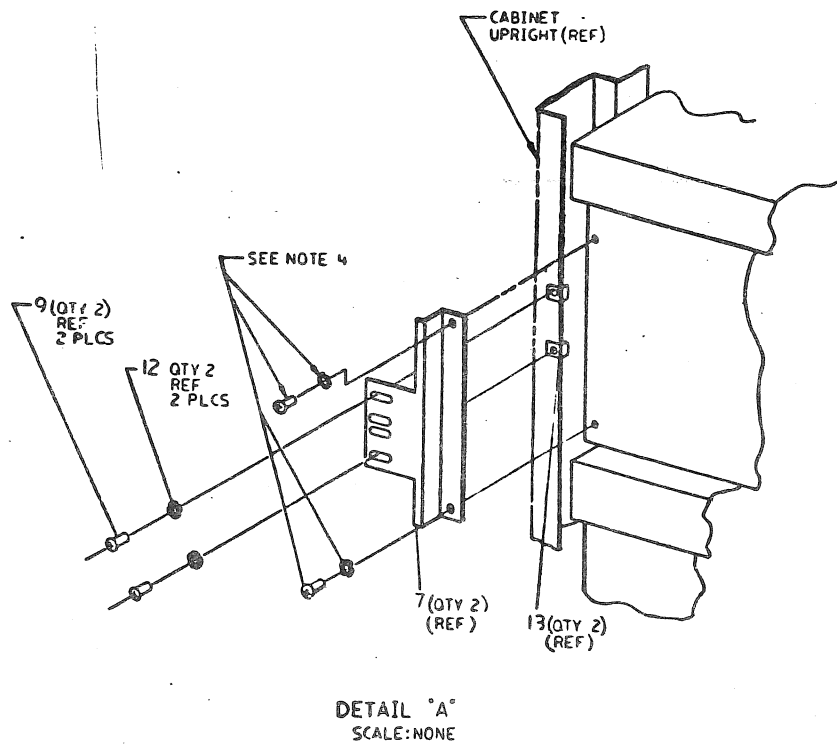
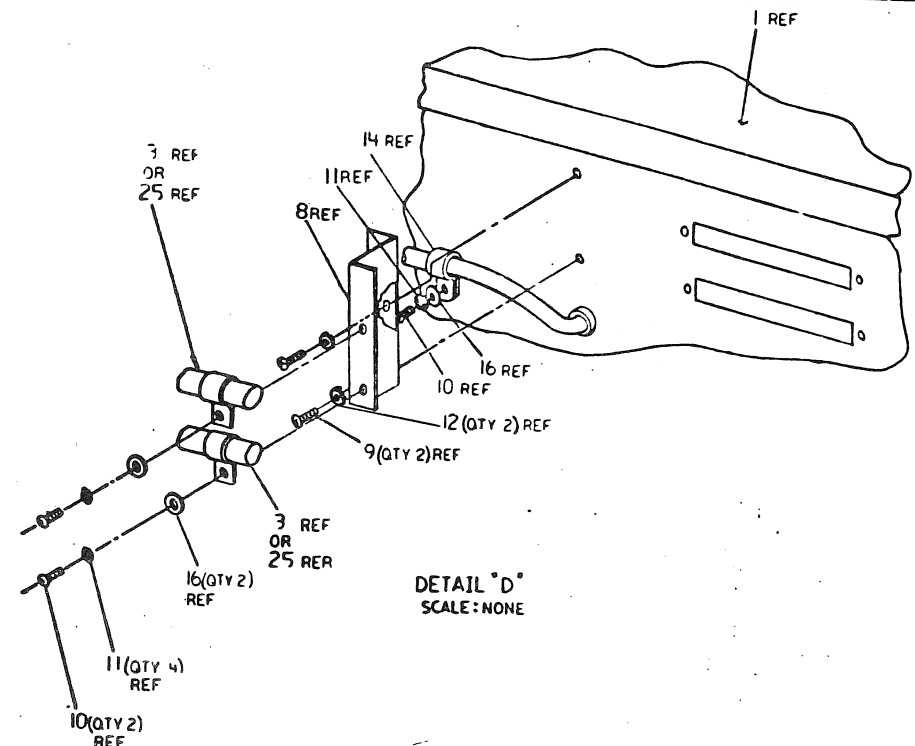
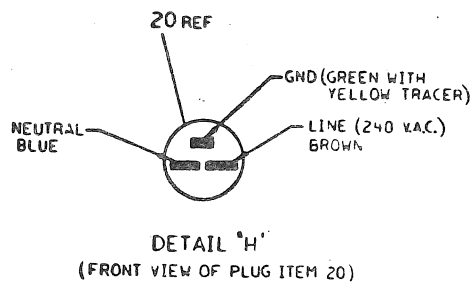
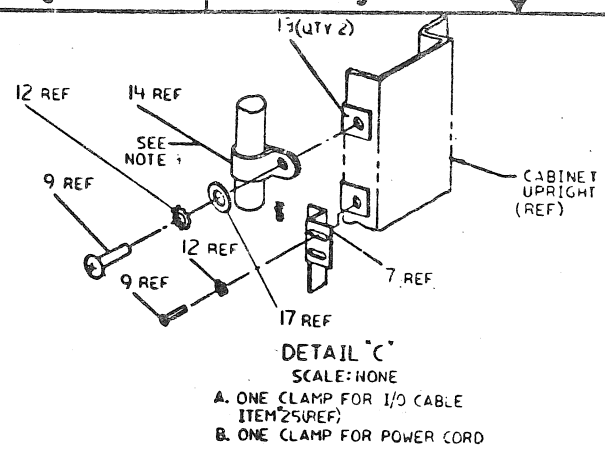
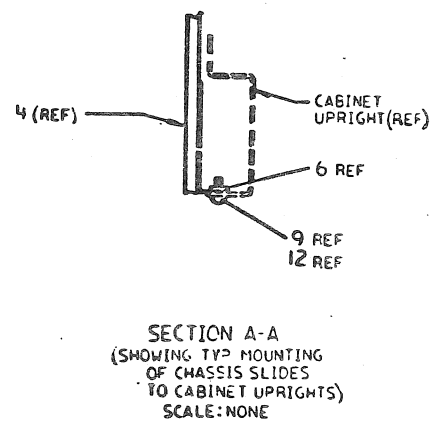
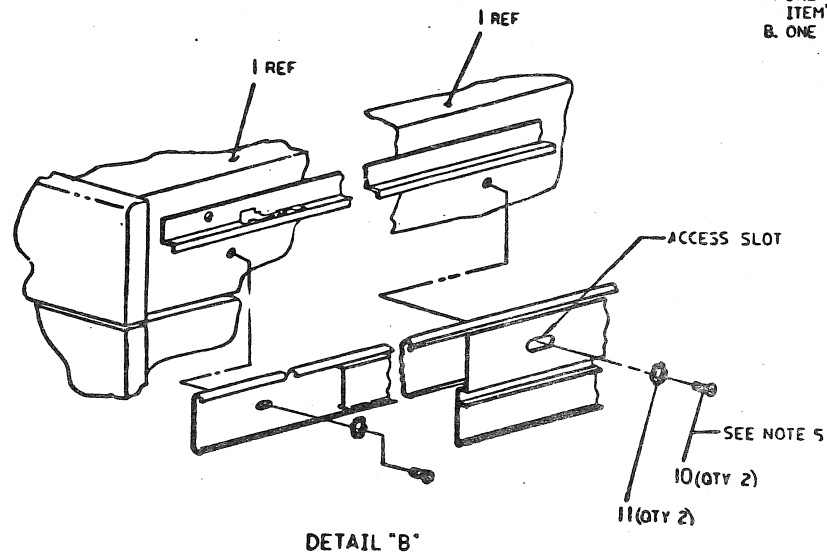
DATE: 10/1/71

BY: [Signature]

CHECKED: [Signature]

APPROVED: [Signature]

THIS DRAWING AND INFORMATION HEREON ARE THE PROPERTY OF THE U.S. GOVERNMENT AND ARE TO BE USED FOR THE PURPOSES OF THE CONTRACT UNDER WHICH THEY WERE PREPARED. NO PART OF THIS DRAWING IS TO BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT PERMISSION IN WRITING FROM THE U.S. GOVERNMENT.



NOTES:

1. FOR SYSTEMS OPERATING AT 220 VAC REMOVE THE SCREWS FROM THE "VOLTAGE SELECTOR" COVER, WITHDRAW THE COVER AND RE-INSERT IT TURNED UPSIDE DOWN. AFTER INSERTION, "220V" MUST BE SHOWING THROUGH THE SMALL WINDOW. REPLACE THE TWO SCREWS, CUT OFF "110V" MALE PLUG AND REPLACE BY "220V" PLUG (ITEM 20). FOR COLOR CODE SEE DETAIL "A", SHEET 2. FOR 50HZ OPERATION ADD (ITEM 28) TO UNIT.
2. FOR SYSTEMS OPERATING WITH LOW LINE VOLTAGE, REMOVE TWO SCREWS FROM "VOLTAGE RANGE SELECTOR" COVER, WITHDRAW THE COVER AND RE-INSERT IT TURNED UPSIDE DOWN. AFTER THE INSERTION, "LOW" MUST BE SHOWING THROUGH THE SMALL WINDOW. REPLACE THE TWO SCREWS, SEE TABLE (FIRST SHEET, ZONE 6J).
3. CABLE CLAMP (ITEM 14) TO BE MOUNTED IN NEXT AVAILABLE HOLES (AS SHOWN IN DETAIL "C" SHT 2) ABOVE SHIPPING BRACKET (ITEM 7) AFTER SHIPPING BRACKET IS MOUNTED PER NOTE 4.
4. TO ATTACH SHIPPING BRACKET (ITEM 7) REMOVE TWO SCREWS AND TWO LOCKWASHERS FROM ONE SIDE OF THE POWER PANEL ON THE REAR OF DISK DRIVE (ITEM 1). POSITION A SHIPPING BRACKET TO DETERMINE LOCATION OF "U" NUTS (ITEM 13) AND ATTACH BRACKET USING ORIGINAL SCREWS AND LOCKWASHERS AND ITEMS 12 & 9 (AS SHOWN IN DETAIL "A"). REPEAT PROCEDURE ON OTHER SIDE OF DRIVE.
5. TO MOUNT RL02 TO CABINET:
 - A. MOUNT SLIDES AND BRACKETS TO UPRIGHTS.
 - B. EXTEND SLIDES AS FAR AS POSSIBLE BY RELEASING CATCHES, SEE DETAIL "B" (SHT 2).
 - C. PLACE DRIVE ON SLIDES AND PUSH BACK UNTIL ENDS OF RAILS FIT UNDER TABS ON SLIDES AND LATCHES ENGAGE.
 - D. SECURE DRIVE TO SLIDES USING SCREWS SUPPLIED. SEE DETAIL "B" (SHT 2).
 TO REMOVE DRIVE, EXTEND SLIDES FULLY, REMOVE SCREWS RELEASE LATCHES AND LIFT OFF.
6. FOR LAST DRIVE IN A SYSTEM "CONTROLLER CABLE" (ITEM 3) PLUGS INTO EITHER SOCKET. TERMINATOR ASSY (ITEM 24) PLUGS INTO THE OTHER.
7. ITEM 22 THRU 27 ARE NOT ASSEMBLED UNTIL INSTALLATION IN A CABINET.

REVISIONS	
CHANGE NO.	REV.
1	1

DATE ENG. 12-22-61		DATE	TITLE: DISK/CONTROLLER ASSY (RLV22)
CHG. NO.	DATE	BOARD LOCATION	NO.
1	12-22-61	100-31-1005 NEXT HIGHER ASSY 31Y1	1
FIRST USED ON OPTION MODEL RLV22		18-00-RLV22-0	1
SIZE CODE: E		NUMBER: 119	REV. A

ACTONATED BY PRTLST.3P(44)

PARTS LIST

SHEET A1 OF A2

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY	PER VARIATION
1	1	SEE NOTE 3	ORLO2-AK	1	
2	2	E-UA-RL02K-DC-0	RL02K-DC	REF	
3	3		BC212-KX	REF	
4	4	SEE NOTE 1	1213686-00	REF	
5	5	A-MD-7419261-0-0	7419261-00	REF	
6	6	C-MD-7419262-0-0	7419262-00	REF	
7	7	C-MD-7419856-0-0	7419856-00	REF	
8	8	C-IA-7419857-0-0	7419857-00	REF	
9	9		9004073-01	REF	
10	10		9006021-01	REF	
11	11		9007649-00	REF	
12	12		9007651-00	REF	
13	13		9007786-00	REF	
14	14		9007885-00	REF	
15	15	A-SP-3700627-0-0	3700627-01	1	
16	16		9006653-00	1	
17	17		9006668-00	REF	
18	18		9007031-00	REF	
19	19		9006039-04	REF	
20	20		9008853-00	REF	
21	21	A-PL-H9504-2-0	H9504-00	REF	
22	22		9006563-00	1	
23	23	A-PL-7012938-0-0	7012938-00	1	
24	24	D-IA-7012293-0-0	7012293-00	1	
25	25	D-UA-BC80M-0-0	BC80M-06	1	
26	26	D-UA-H8061-0-0	H8061-00	1	
27	27		9010174-01	1	
28	28	SEE NOTE 2	3617574-00	REF	
29	29		ERLVL12-06	1	
30	30		1212691-01	1	

REVISION HISTORY		BASIC PART NO: RLV22		IDRN: JIM SICARD		DATE: 24-FEB-01		D I G I T A L	
ENG	ECO NUMBER	REV	SECTION A OF A	IDRN: BILL HOVEY		DATE: 3-SEP-01		TITLE PARTS LIST	
INITIAL	IA	SECTION. VARIATION INDEX	CHK'D	IDRN: ROBERT FITCH		DATE: 14-SEP-01		DISK CONTROLLER ASSE (RLV22)	
IRF	IRLV22-MR001	ID	CAJ AK	IDRN: ROBERT FITCH		DATE: 14-SEP-01		DOCUMENT NUMBER	
			CBJ	IDRN: ROBERT FITCH		DATE: 14-SEP-01		SIZE CODE NUMBER	
			CCJ	IDRN: J. LONGO		DATE: 14-SEP-01		PL RLV22-9-DBP	
			CDJ	ASSEMBLY NUMBER:		TOP DOCUMENT NUMBER:		FILE NAME: 23134B.PLS	
			CEJ	E-UA-RLV22-0-0		FB-DD-RLV22-0		25	
			CFJ						

THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.

COPYRIGHT (C) 1982. DIGITAL EQUIPMENT CORPORATION

MR

AUTOMATED BY PRTLST.3P(44)

P A R T S L I S T

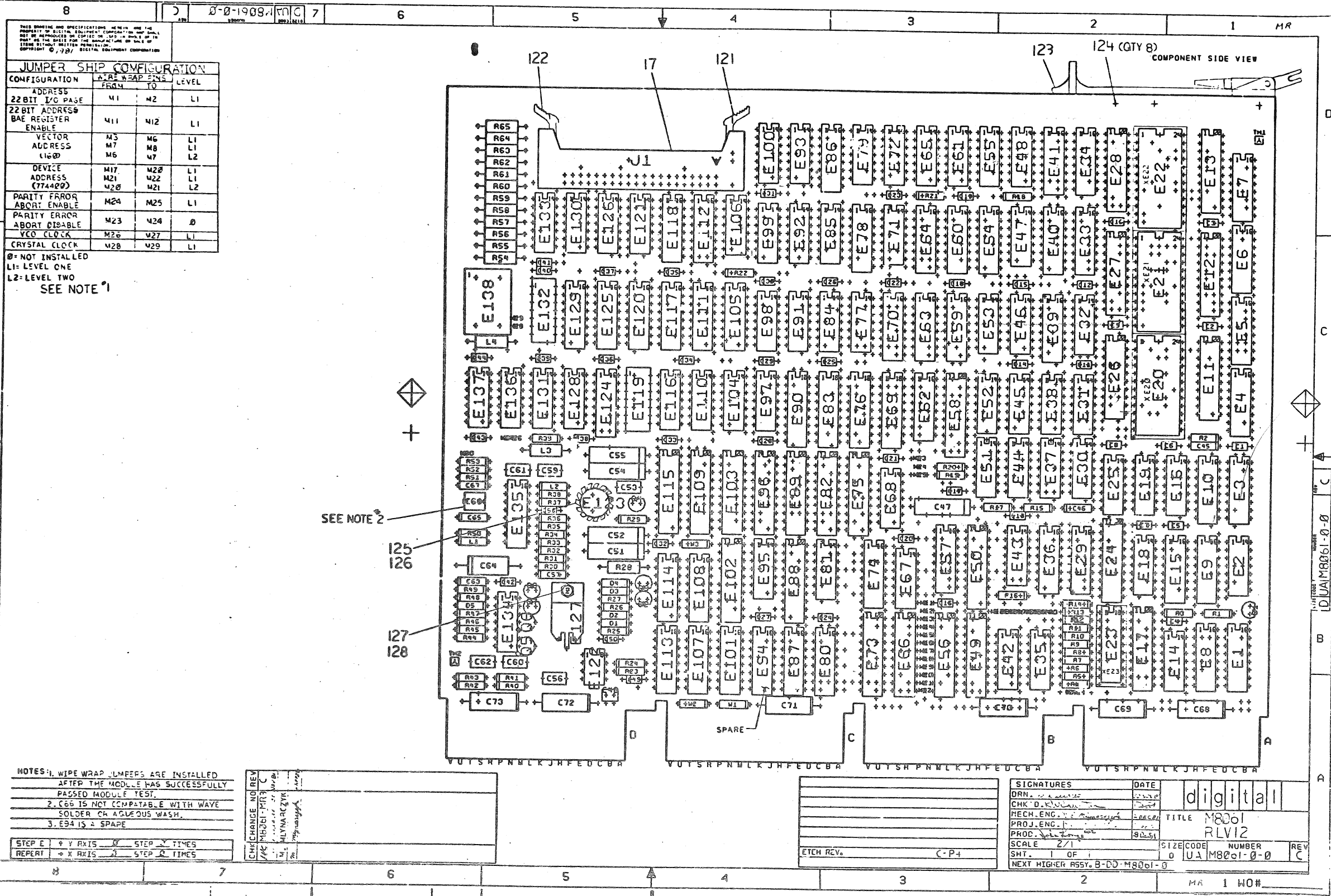
SHEET A2 OF A2

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QUANTITY PER VARIATION AK
31	31		1212691-02	LENS, ENCODER SW#2/READY-	1
32	32		1212691-03	LENS, ENCODER SW#3/READY-	1
33	33		ORL02-FK	*** THIS ITEM IS NOT USED ***	-
34	34		EXRLV12-C6	RLV12 DISK CONTROLLER CNF. SHEE	1

- 35 NOTE: 1. ITEMS #2 THRU #14 & #16 THRU #21 AND #28 ARE SUPPLIED WITH
 36 NOTE: - AND LISTED ON E-0A-RL02-AK.
 37 NOTE: 2. REFER TO NOTE #1 ON SHEET 3 OF UA FOR INSTRUCTIONS.
 38 NOTE: 3. RL02-FK IS AN ALTERNATE PART FOR RL02-AK (ITEM 1).

D	I	C	I	T	A	I	TITLE	SECTION A OF A	SIZE/	CODE	DOCUMENT NUMBER	REV
							DISK CONTROLLER ASSY				RLV22-0-DBP	B
							(RLV22)					

MR



THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED IN ANY MANNER OR FOR ANY PURPOSE WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1981 DIGITAL EQUIPMENT CORPORATION

JUMPER SHIP CONFIGURATION			
CONFIGURATION	FROM	TO	LEVEL
22 BIT I/O PAGE	M1	M2	L1
22 BIT ADDRESS BAE REGISTER ENABLE	M11	M12	L1
VECTOR ADDRESS L1600	M5	M6	L1
	M7	M8	L1
	M6	M7	L2
DEVICE ADDRESS (774400)	M17	M28	L1
	M21	M22	L1
	M20	M21	L2
PARITY ERROR ABORT ENABLE	M24	M25	L1
PARITY ERROR ABORT DISABLE	M23	M24	L1
VCO CLOCK	M26	M27	L1
CRYSTAL CLOCK	M28	M29	L1

0 = NOT INSTALLED
L1 = LEVEL ONE
L2 = LEVEL TWO
SEE NOTE 1

NOTES: 1. WIPE WRAP JUMPERS ARE INSTALLED AFTER THE MODULE HAS SUCCESSFULLY PASSED MODULE TEST.
2. C66 IS NOT COMPATIBLE WITH WAVE SOLDER OR AQUEOUS WASH.
3. E34 IS A SPARE

STEP 1	Y AXIS	STEP 2	X AXIS
REPEAT	Y AXIS	STEP 3	X AXIS

CHANGE NO.	REV.
1	1

DATE	BY	CHK'D	DATE
11/11/81	ALYNA	ALYNA	11/11/81

SIGNATURES		DATE
DRN. 11/11/81	11/11/81	11/11/81
CHK'D. 11/11/81	11/11/81	11/11/81
MECH. ENG. 11/11/81	11/11/81	11/11/81
PROJ. ENG. 11/11/81	11/11/81	11/11/81
PROD. 11/11/81	11/11/81	11/11/81
SCALE 2/1	SIZE CODE NUMBER	
SHT. 1 OF 1	0 U3 M8001-0-0	
NEXT HIGHER ASSY. B-00-M8001-0		

ETCH REV. C-P4

digital

TITLE M8001 RLV12

REV C

MA 1 HO#

LINE ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION	REFERENCE DESIGNATOR
				00	
1	1	D-MD-5014398-0-0	5014398-00	DRILL AND FITCH BD.	1
2	2		1012784-00	.047 MFD 50V +80-20% CER	47
3	3		1013466-09	1000.0 MHP 50V 10% X7R CER	1
4	4		1013466-07	220.0 MHP 50V 5% CER	2
5	5		1005306-00	6.8MFD 35V 10% S.TANT	5
6	6		1011740-00	5600.0 MHP 50V 10% CER	1
7	7		1010279-01	.47 MFD 25V 20% CER	6
8	8		1013466-08	680.0 MHP 50V 10% X7R CER	2
9	9		1010646-00	.015 MFD 50V 2% M.POLYCARB	1
10	10		1013466-02	18.0 MHP 50V 5% CER	1
11	11		1016628-00	7.0 MHP TO 30.0 MHP TRIMMER	1
12	12		1017472-00	10 MFD 35V +50-10% AL EL	5
13	13		1018237-00	.0047 MFD 100V 1% POLYPROP	1
14	14		1109991-00	1N 754A VZ= 6.8 5% .40W	2
15	15		1105275-00	D 672 TR= 15NS PIV= 60V SI	2
16	16		1111577-00	1N 4454 TR= 4NS PIV= 50 S	1
17	17		1209941-02	PCB,HEADER 40PIN(2X20).100CC 90D	1
18	18		1301475-00	1.10 K .25 W 5.0 % CC	1
19	19		1304839-00	51.0 K .25 W 5.0 % CC	1
20	20		1300365-00	1.0 K .25 W 5.0 % CC	8
21	21		1300295-00	330.0 .25 W 5.0 % CC	4
22	22		1301424-00	680.0 .25 W 5.0 % CC	4
23	23		1305114-00	3.48 K .25 W 1.0 % RN55D-F10	1
24	24		1302873-00	261.0 .25 W 1.0 % RN55D-F10	1
25	25		1304856-00	4.64 K .25 W 1.0 % RN55D-F10	1
26	26		1302397-00	180.0 K .25 W 5.0 % CC	1
27	27		1300229-00	10C 0 .25 W 5.0 % CC	5
28	28		1312930-00	5.10 K .25 W 5.0 % CC	1
29	29		1300417-00	2.20 K .25 W 5.0 % CC	1
30	30		1300247-00	120.0 .25 W 5.0 % CC	1

REVISION HISTORY			BASIC PART NO: M8061			DRN: R.W.CAUNTER			DATE: 29-OCT-80			DIGITIAL		
ENGR	ECO NUMBER	REV	SECTION A OF A			CHK'D: R.W.CAUNTER			DATE: 29-JAN-81			TITLE		
	INITIAL	IA	SECTION VARIATION INDEX			DES.ENG: M.MLYNARCZYK			DATE: 29-JAN-81			M8061		
IMH	M8061-MR001	IB	[A] 00									RLV12		
IRF	M8061-MR002	IC	[B]											
IMH	M8061-MR003	ID	[C]											
			[D]											
			[E]											
			[F]											
			[G]											
			[H]											
			[I]											
			[J]											
			[K]											
			[L]											
			[M]											
			[N]											
						RESP.ENG.: R.FITCH			DATE: 29-JAN-81			DOCUMENT NUMBER		
						MFG.ENG.: J.LONGO			DATE: 18-FEB-81			SIZE CODE NUMBER		
						ASSEMBLY NUMBER:			TOP DOCUMENT NUMBER:			FILE NAME:		
						ID-01-M8061-0-0			ID-BD-M8061-0			Z1949D.PLS		
												EDIT #		
												33		

"THIS DRAWING AND SPECIFICATIONS HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1982. DIGITAL EQUIPMENT CORPORATION"

MR

AUTOMATED BY PRLST.3P(44)

PARTS LIST

SHEET A2 OF A4

LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY	PER VARIATION	REFERENCE DESIGNATOR
					00		
31	31		1300271-00	220.0 .25 W 5.0 t CC	2		R26,R27
32	32		1309444-00	2.70 .50 W10.0 t CC	1		R28
33	33		1300316-00	470.0 .25 W 5.0 t CC	2		R30,R33
34	34		1300398-00	1.80 K .25 W 5.0 t CC	1		R31
35	35		1305126-00	619.0 .25 W 1.0 t RN55D-F10	2		R32,R47
36	36		1301320-00	1.20 K .25 W 5.0 t CC	1		R34
37	37		1309413-00	3.83 K .25 W 1.0 t RN55D-F10	1		R37
38	38		1302612-00	1.76 K .25 W 1.0 t RN55D-F10	1		R38
39	39		1303067-00	422.0 .25 W 1.0 t RN55D-F10	2		R40,R41
40	40		1311653-00	2.15 K .25 W 1.0 t RN55D-F10	1		R42
41	41		1305122-00	51.10 .25 W 1.0 t RN55D-F10	2		R44,R46
42	42		1302956-00	196.0 .25 W 1.0 t RN55D-F10	1		R45
43	43		1302871-00	1.21 K .25 W 1.0 t RN55D-F10	2		R48,R49
44	44		1302874-00	147.0 .25 W 1.0 t RN55D-F10	1		R50
45	45		1302941-00	14.70 K .25 W 1.0 t RN55D-F10	1		R51
46	46		1300479-00	10.0 K .25 W 5.0 t CC	1		R52
47	47		1300447-00	4.70 K .25 W 5.0 t CC	1		R53
48	48		1301781-00	82.0 .50 W 5.0 t CC	12		R54-R55
49	49		1300605-05	R NETWORK 13-82 5.0 t 14PIN	1		E121
50	50		1510705-00	XA 05 NPN 500MW SI 60 50 P	2		Q1,Q3
51	51		1510706-00	XA 55 PNP 500MW SI 60 50 P	2		Q2,Q4
52	52		1503029-00	2N 3640 PNP 200MW SI	2		Q5,Q5
53	53		1513489-00	2N 4401 NPN 350MW SI 40 20	1		Q7
54	54		1513490-00	2N 4403 PNP 350MW SI-40 30	1		Q8
55	55		1603358-00	12.0 UH 10t 300MA #DD12.0	2		L1,L2
56	56		1616653-01	DELAY= 100NS,10TAPS WITH TTLBU	1		E119
57	57		1616653-00	DELAY= 50NS,10TAPS WITH TTLBU	1		E132
58	58		1811660-12	OSCILLATOR, XTAL 8.200 MHZ	1		E138
59	59		1911579-00	8641 TRANSCEIVER,BUS,QUA	2		E1,E8
60	60		1912815-00	LS30 NAND GATE-SINGLE 3IN	1		E2
61	61		1912837-00	LS123 ONE SHOT-DUAL,RETRIG	1		E3
62	62		1912834-00	LS112 FF-JK,DUAL,EDGE TRIG	2		E4,E5
63	63		1912854-00	LS193 COUNTER,SYNCHR,4BIT,	2		E6,E34
64	64		1911675-00	74S138 DECODER/DEMUX 3-8 LIN	1		E9
65	65		1912860-00	LS259 LATCH 8BIT	3		E10,E33,E39
66	66	SEE NOTE #1	1916680-00	2911 SEQUENCER,MICROPROGR	3		E11-E13
67	67		1909705-00	DEC 88J1 NAND GATE-QUAD 2IN D	2		E14,E42
68	68		1912853-00	LS175 FF-D QUAD	1		E15
69	69		1912832-00	LS107 FF-JK DUAL MASTER/SL	3		E16,E65,E93
70	70		1914038-00	DC 010 BIPOLAR,NEW ADDRESS,L	1		E17
71	71		1912803-00	LS04 INVERTER GATE,HEX	3		E18,E51,E71
72	72		1912824-00	LS74 FF-D DUAL,EDGE TRIGG	6		E19,E31,E48,E68,E79,E106
73	73		1912730-00	DC 003 INTERRUPT,2 CIRCUIT	1		E23
74	74		1912729-00	DC 004 PROTOCOL,REG. SELECT	1		E24
75	75		1912820-00	LS51 A-O-I GATE 2-4IDE 2I	3		E25,E72,E84
76	76		1912863-00	LS273 FF-D JCTAL W/CLEAR	3		E26-E28
77	77		1912842-00	LS138 DECODER-THREE INPUT,	2		E29,E40
78	78		1912801-00	LS02 NOR-GATE-QUAD 2IN	3		E30,E32,E95

D	I	G	I	T	A	I	L	TITLE	M8061	SECTION A OF A	SIZE	CODE	DOCUMENT NUMBER	REV
								RLV12					M8061-0-DBP	D

MR

AUTOMATED BY PRTLST.3P(44)

PARTS LIST

MR
SHEET A3 OF A4

LYNE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
79	79		1914888-00	74S09N AND-GATE-QUAD 2INPUT	1	E35
80	80		1912849-00	LS161 COUNTER,SYNCHR,4BIT	2	E36,E125
81	81		1912816-00	LS32 OR GATE-QUAD 2IN,POS	1	E37
82	82		1912805-00	LS08 AND GATE-QUAD 2IN,PO	2	E38,E67
83	83		1910548-00	74S157 MUX 1 OF 2 (QUAD)	1	E41
84	84		1915932-00	LS125 BUFFER,QUAD BUS	1	E43
85	85		1913340-00	74S32 OR GATE-QUAD 2IN	1	E44
86	86		1912388-00	74S02 NOR GATE-QUAD 2IN,PO	3	E45,E92,E137
87	87		1912813-00	LS27 NOR GATE-TIPLE 3IN	2	E46,E91
88	88		1910532-00	74S00 NAND GATE-QUAD 2IN	2	E47,E97
89	89		1913040-00	DC 005 TRANSCEIVER 4BIT	4	E49,E56,E66,E73
90	90		1915193-00	LS244 DRIVER,LINE,OCAL,T	2	E50,E39
91	91		1912807-00	LS10 NAND GATE TRIPLE 3IN	1	E52
92	92		1910534-00	74S04 INVERTER GATE-HEX II	4	E53,E61,E81,E77
93	93		1912697-00	LS174 FF-D HEX 4/CLEAR	7	E54,E57,E59,E60,E63,E79,E117
94	94		1910544-00	74S74 FF-D DUAL,EDGE TRIG.	6	E55,E35,E104,E128,E131,E136
95	95		1914035-00	DC 006 BIPOLAR,BUS ADDRESS	3	E58,E88,E102
96	96		1912844-00	LS151 MUX 1 OF 8 & DATA	3	E64,E70,E129
97	97		2114212-00	P 2114-2 RAM,1024X4,STATIC	4	E69,E76,E83,E90
98	98		1912847-00	LS157 MUX 1 OF 2(QUAD)	1	E74
99	99		1912868-00	LS299 SHIFT REG. 8-BIT UNI	2	E75,E92
100	100		1912951-00	DM 8556 COUNTER,BINARY,4BIT	5	E80,E97,E101,E108,E114
101	101		1910547-00	74S153 MUX 1 OF 4 (DUAL)	1	E86
102	102		1914214-00	LS374 FF-D DUAL,EDGE TRIG	4	E96,E103,E109,E115
103	103		1913474-00	9401 GENERATOR/CHECKER CR	1	E98
104	104		1912096-00	DEC 74S86 XOR GATE,QUAD 2IN	1	E99
105	105		1911712-00	74S51 AND-OR GATE-INVERT D	1	E100
106	106		1910956-00	74S151 MUX 1 OF 8	1	E105
107	107		1913839-00	LS165 SHIFT REG.,8BIT	2	E107,E113
108	108		1912389-00	74S08 AND GATE-QUAD 2IN,PO	1	E110
109	109		1911341-00	75113 DRIVER,LINE,DUAL,NA	3	E111,E112,E118
110	110		1910542-00	74S64 A-O-I GATE 4-2-3-2	1	E116
111	111		23219A1-00	A1-07	1	E120
112	112		1911944-00	555CN TIMER,PUNCT.BLOCK	1	E122
113	113		1912541-00	79M05 VOLT REG,FIX -5V	1	E123
114	114		1910545-00	74S112 FF-JK DUAL,EDGE TRIG	1	E124
115	115		1910268-00	DEC 7510,8 RECEIVER,LINE,DUAL,	3	E126,E130,E133
116	116		1912536-01	7805 VOLT REG,FIX +5V	1	E127
117	117		1913017-00	3046 XSISTOR ARRAY,3 ISOL	1	E134
118	118		1911911-00	DEC 74S124 OSCILLATOR,DUAL VOLT	1	E135
119	119		9009149-01	PIN,STAKING 0.235 HX0.345LG SQUA	30	M1-M30
120	120		9009185-00	JUMPER, WIRE, INSULATED, BLACK B	3	M1-M3
121	121		1209941-03	PCR,HEADER LATCH	1	
122	122		1209941-04	PCR,HEADER LATCH	1	
123	123		1213113-01	HANDLE,MODULE,	1	
124	124		9000024-01	FYELEFT,ROLLED 0.1210DX0.192	9	
125	125		9007201-00	TRANSIPADS #10253	1	
126	126		1210001-00	HEAT SINKS,10-5 .500DX0.25	1	

I	D	I	G	I	T	A	L	I	TITLE	I	SECTION A OF A	I	SIZE CODE	I	DOCUMENT NUMBER	I	REV	I
I		I		I		I		I	M8061	I		I	I	I	I		I	I
I		I		I		I		I	RLV12	I		I	K	PL	M8061-0-DBP	I	D	I

MR

AUTOMATED BY PRTLSST.3P(44)

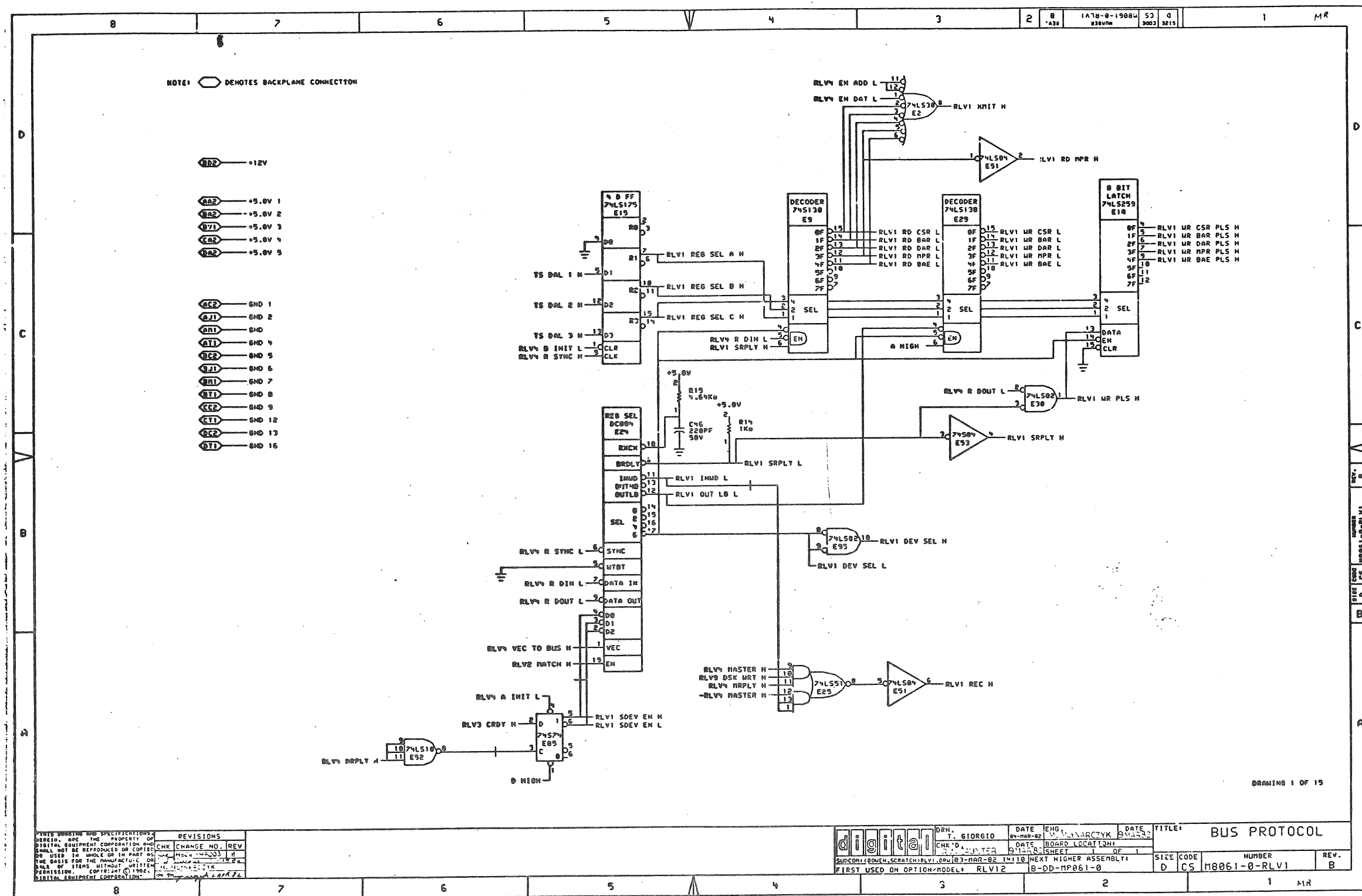
PARTS LIST

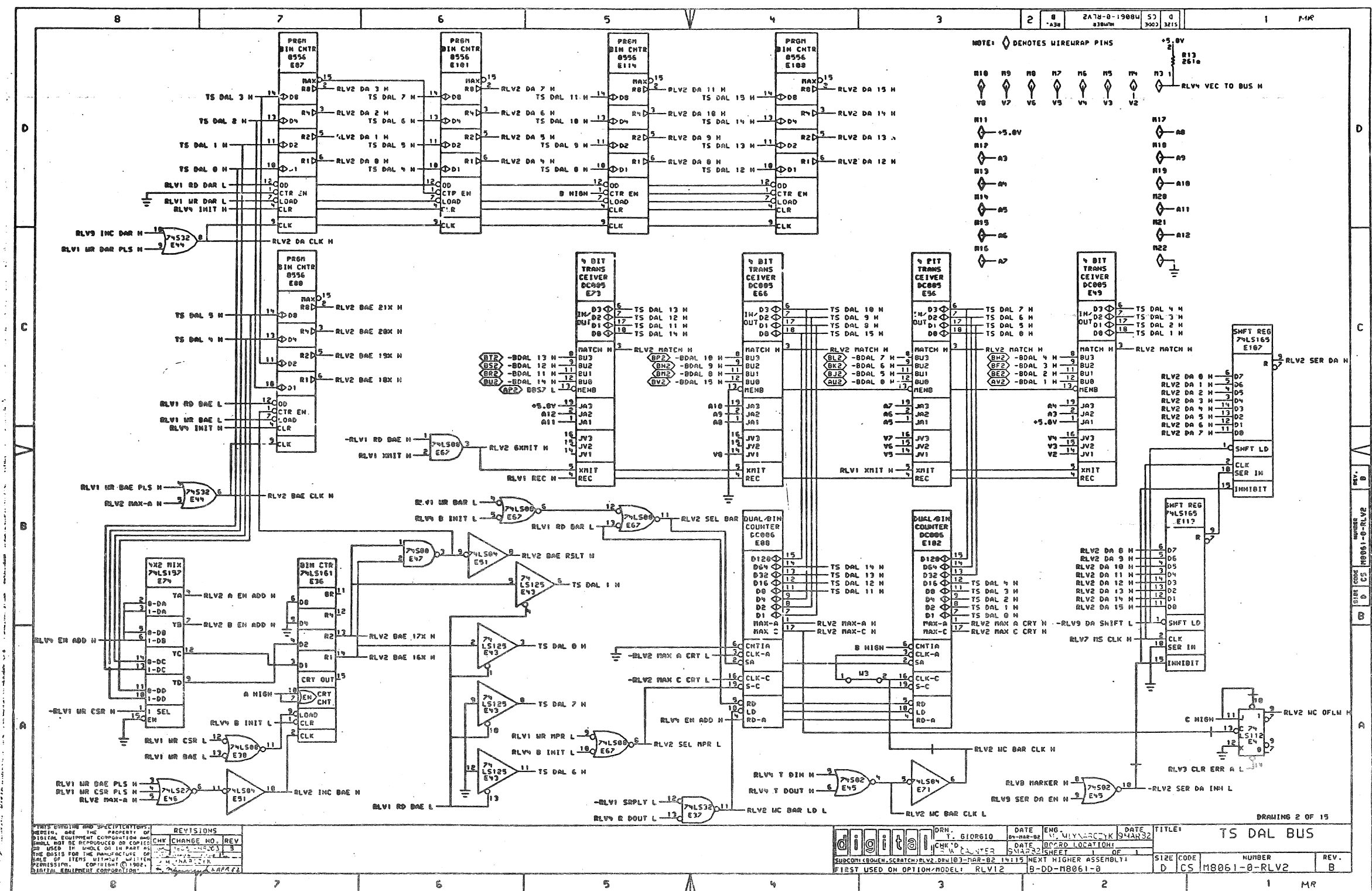
MR
SHEET A4 OF A4

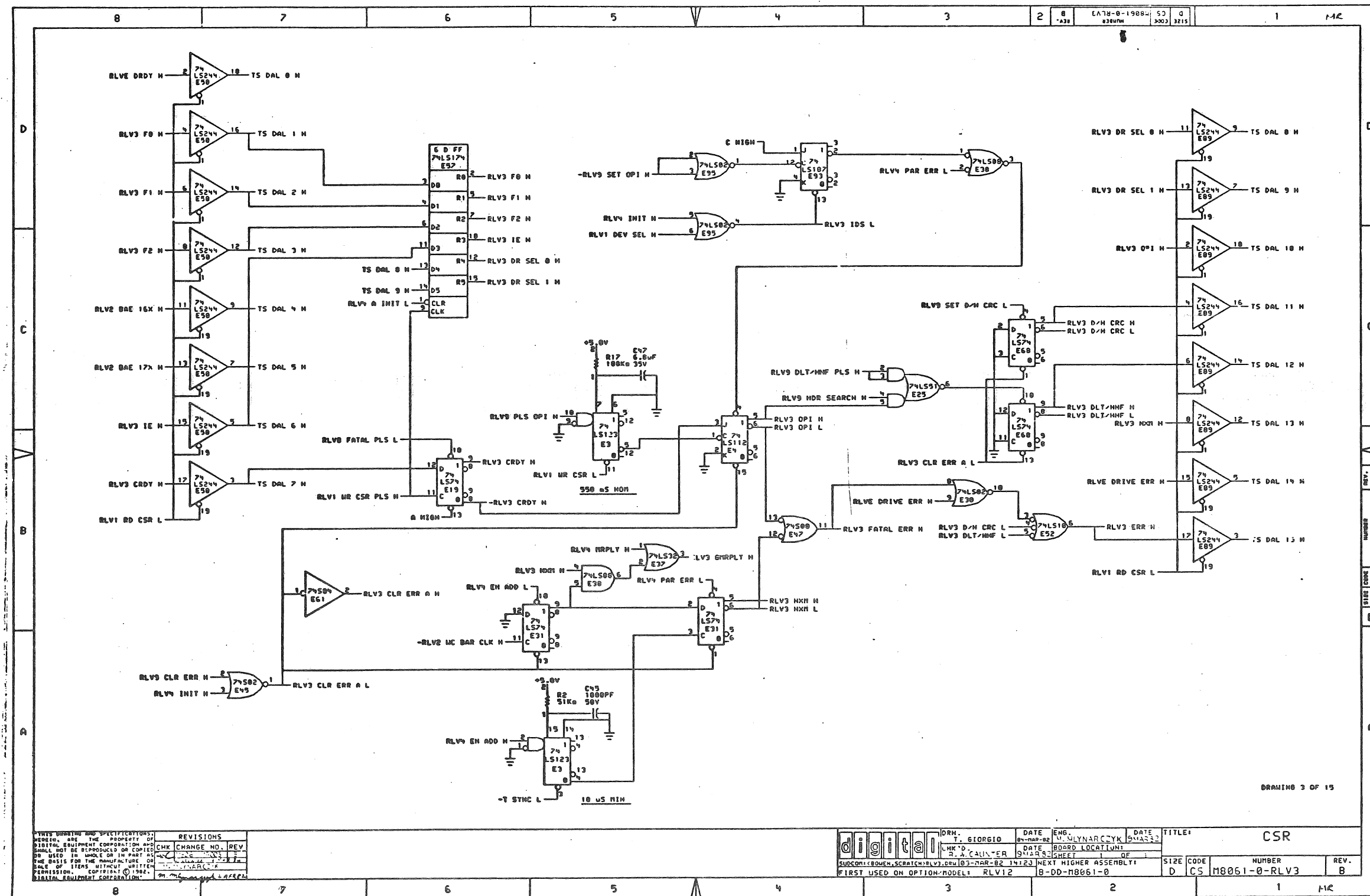
LINE	ITEM	DOCUMENT NUMBER	PART NUMBER	DESCRIPTION	QTY PER VARIATION 00	REFERENCE DESIGNATOR
127	127		9006010-01	SCREW,PAN,PHYL 4-40X 5/16 SS	1	
128	128		9009990-00	NUT,KEP , 4-40 X1/4 AF	1	
129	129		23963A9-00	A9-01	1	E7
130	130		23134F3-00	F3-03	1	E22
131	131		23172F3-00	F3-03	1	E21
132	132		23136F3-00	F3-03	1	E20
133	133		23587A2-00	A2-05	1	E62
134	134		1215006-06	SKT,IC 24PIN DIP TIN PLATE	3	XE20-XE22
135	135		9105740-55	WIRE(WRAP)30AWG UL1423	A/R	
136	136		1215006-04	SKT,IC 20PIN DIP TIN PLATE	1	XE23
137	137		1618238-02	BEAD,FERRITE .138ODX.330LG	2	L3,L4
138	138		9137254-00	*** THIS ITEM IS NOT USED ***	-	

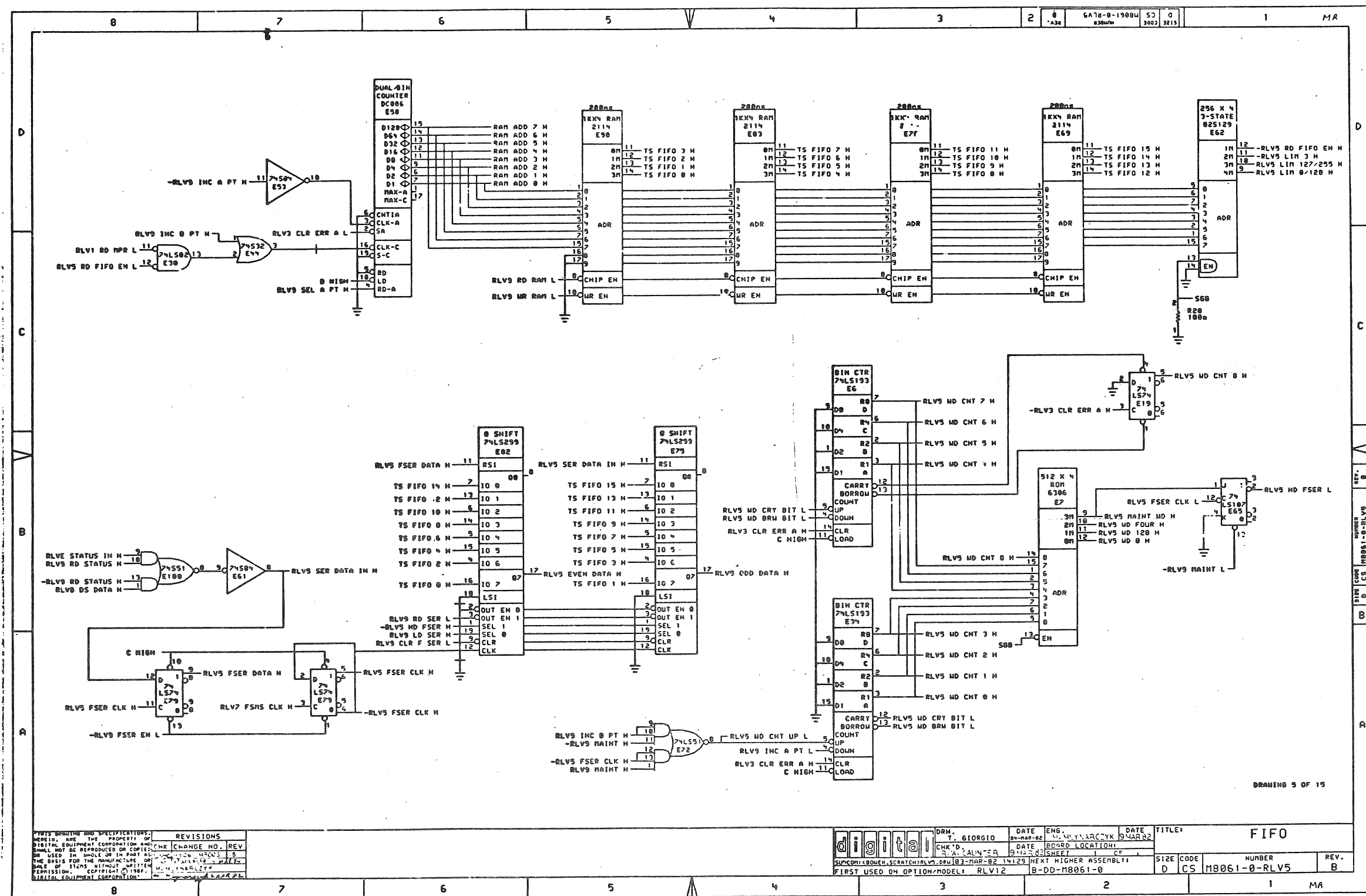
139 NOTE: 1. 1916680-01(2911-A) IS AN ALTERNATE PART FOR 1916680-00(2911).

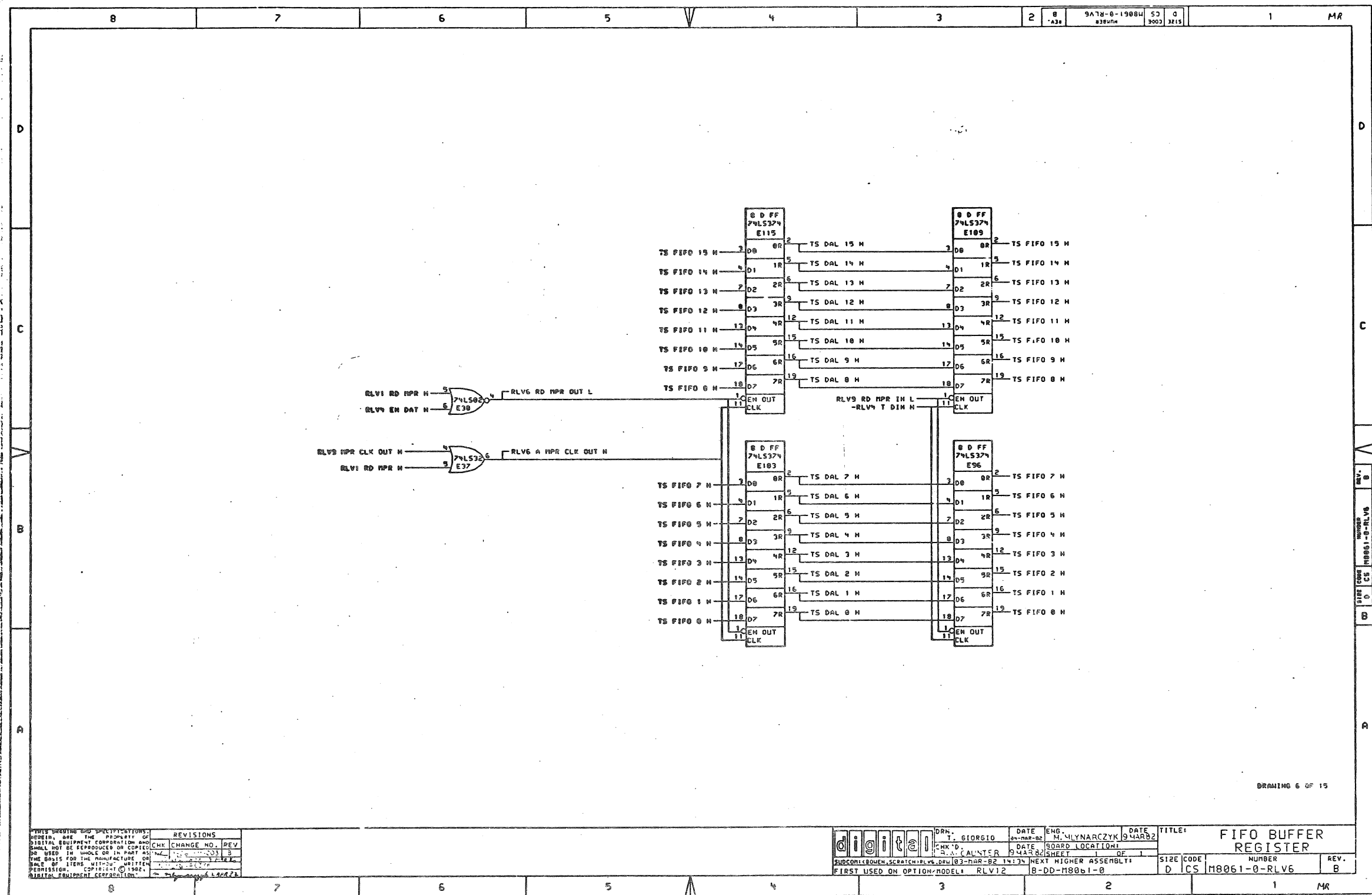
TITLE										SIZE CODE										DOCUMENT NUMBER										REV																			
M8061										SECTION A OF A																																							
RLV12																				K Y PL										M8061-0-JBP										D									

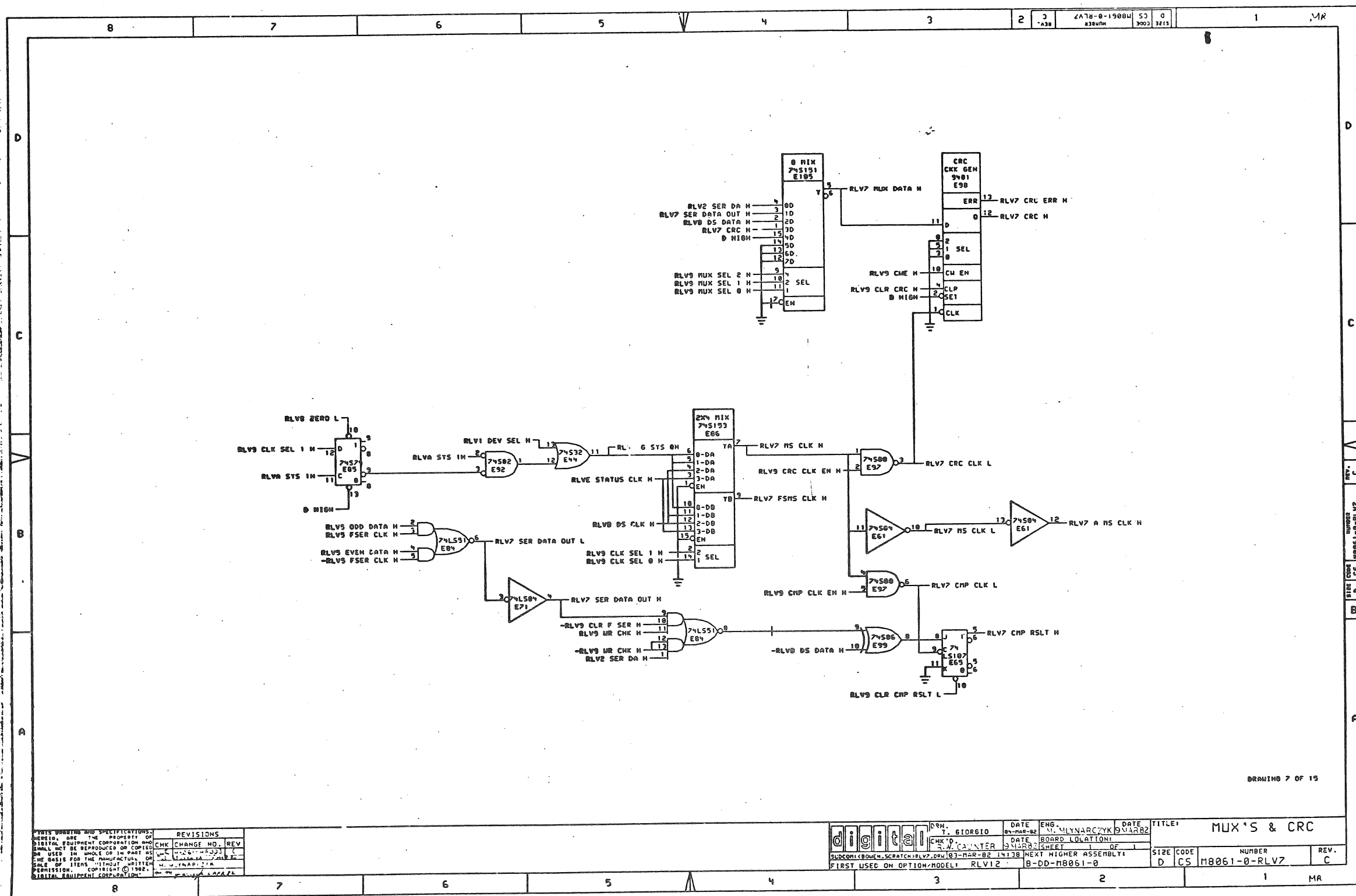


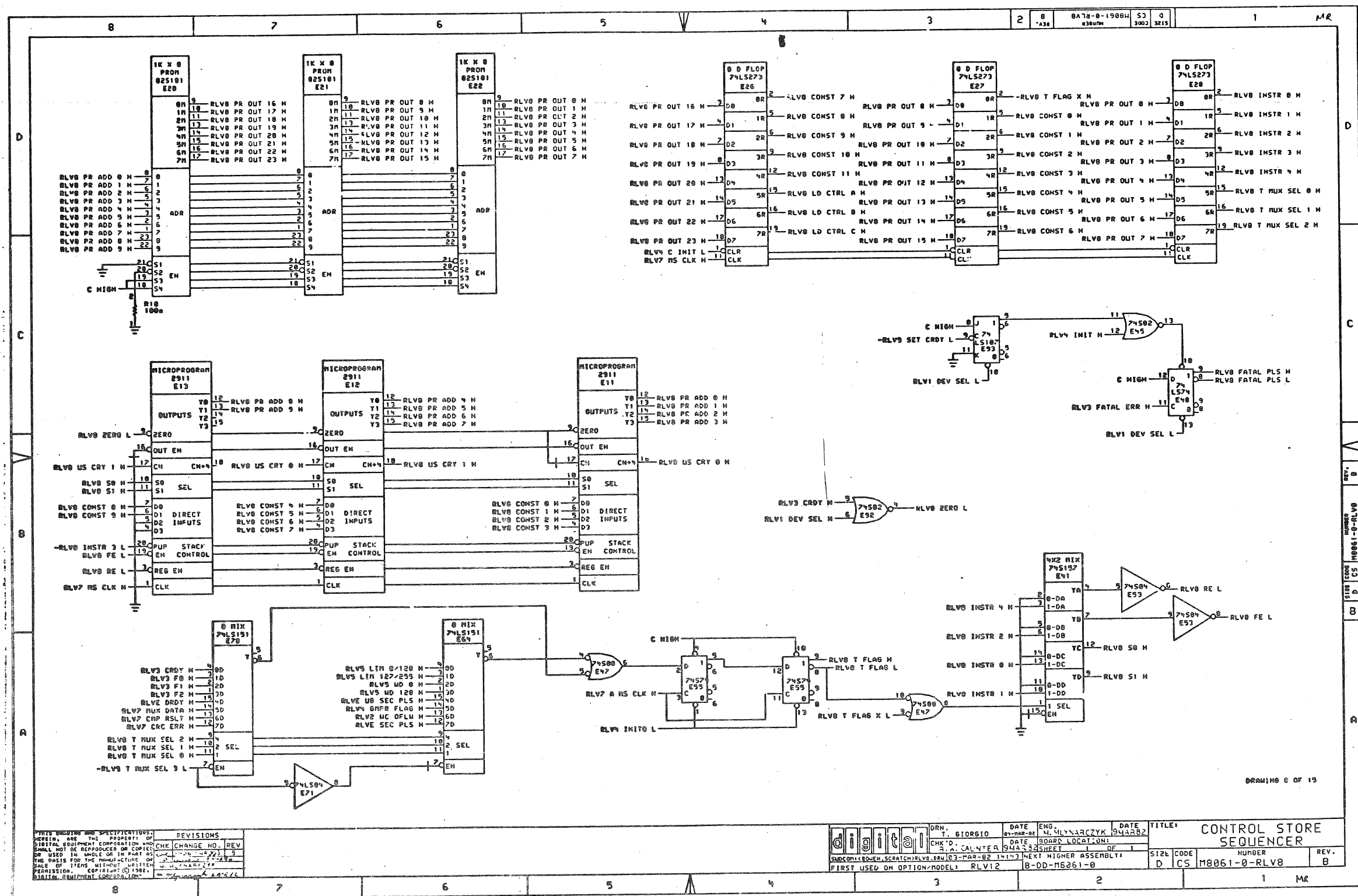


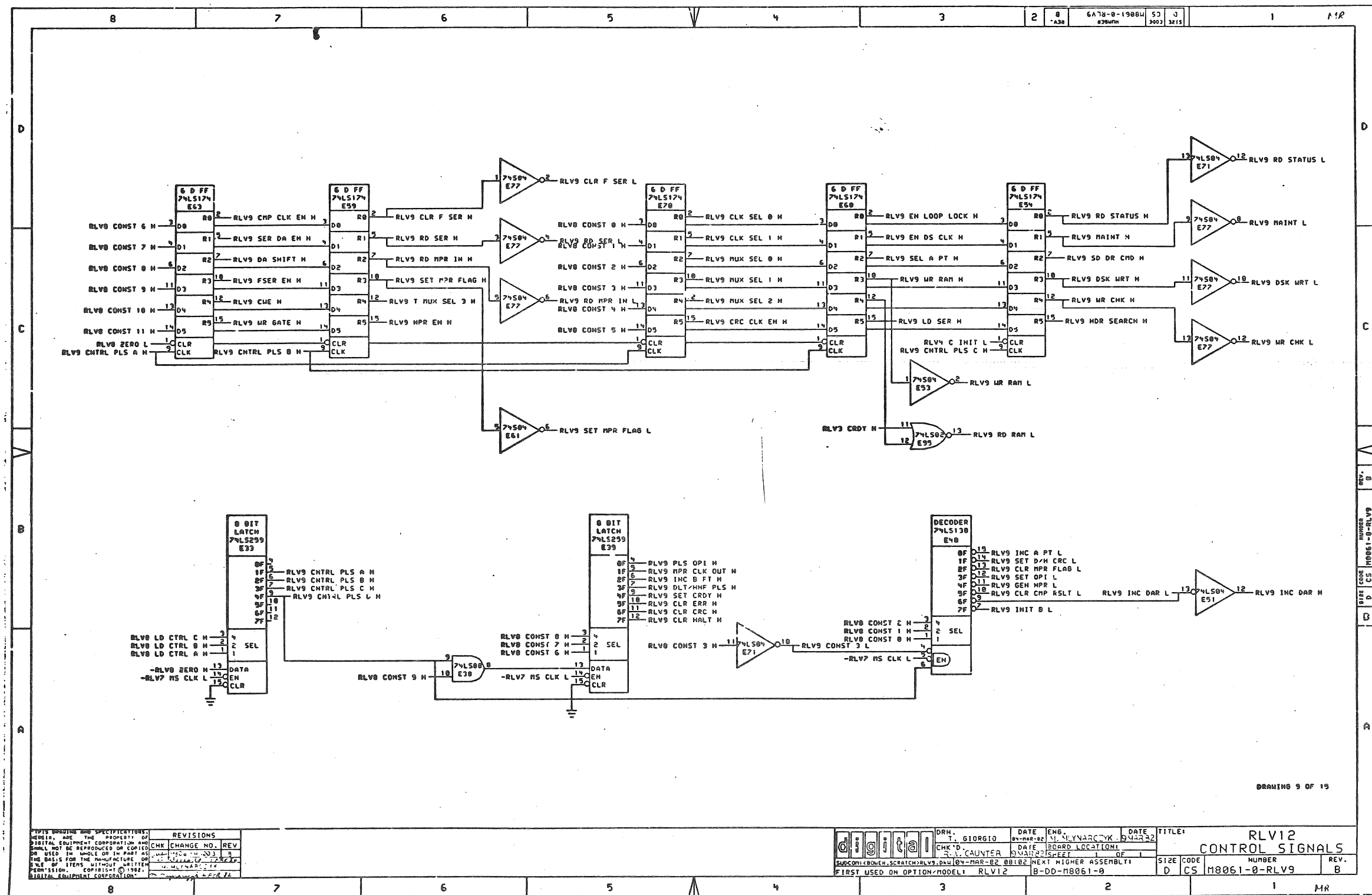


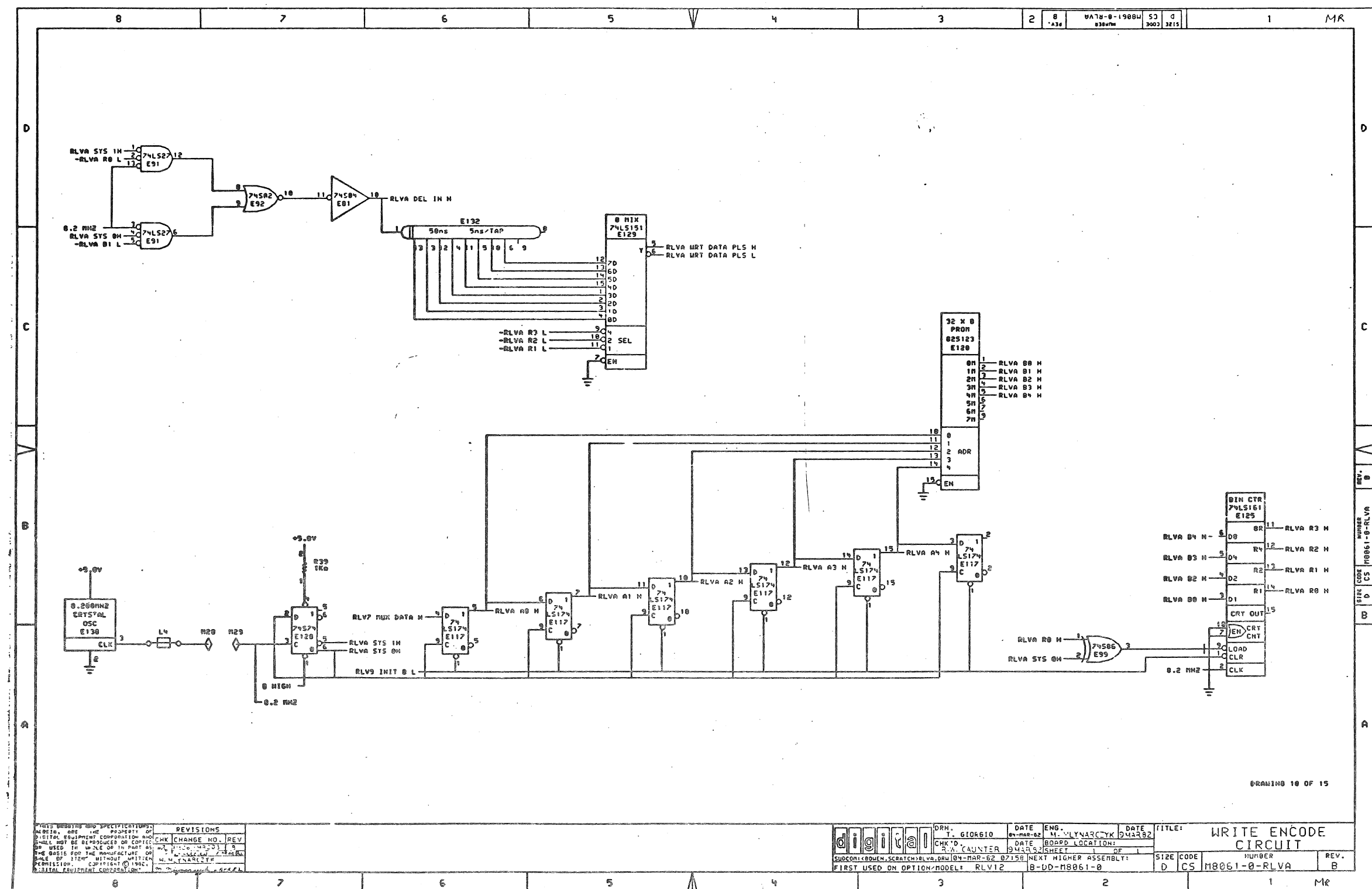


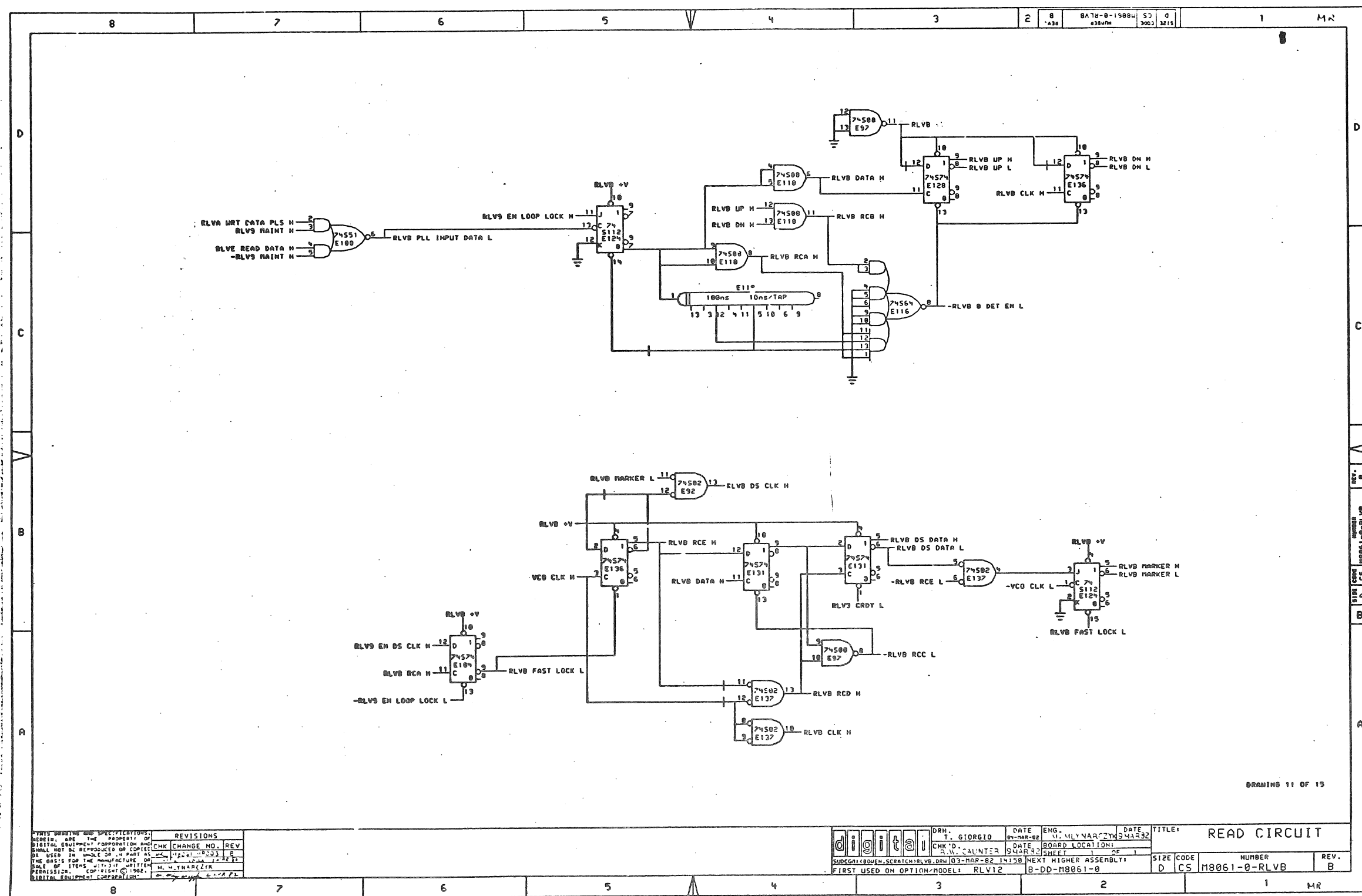


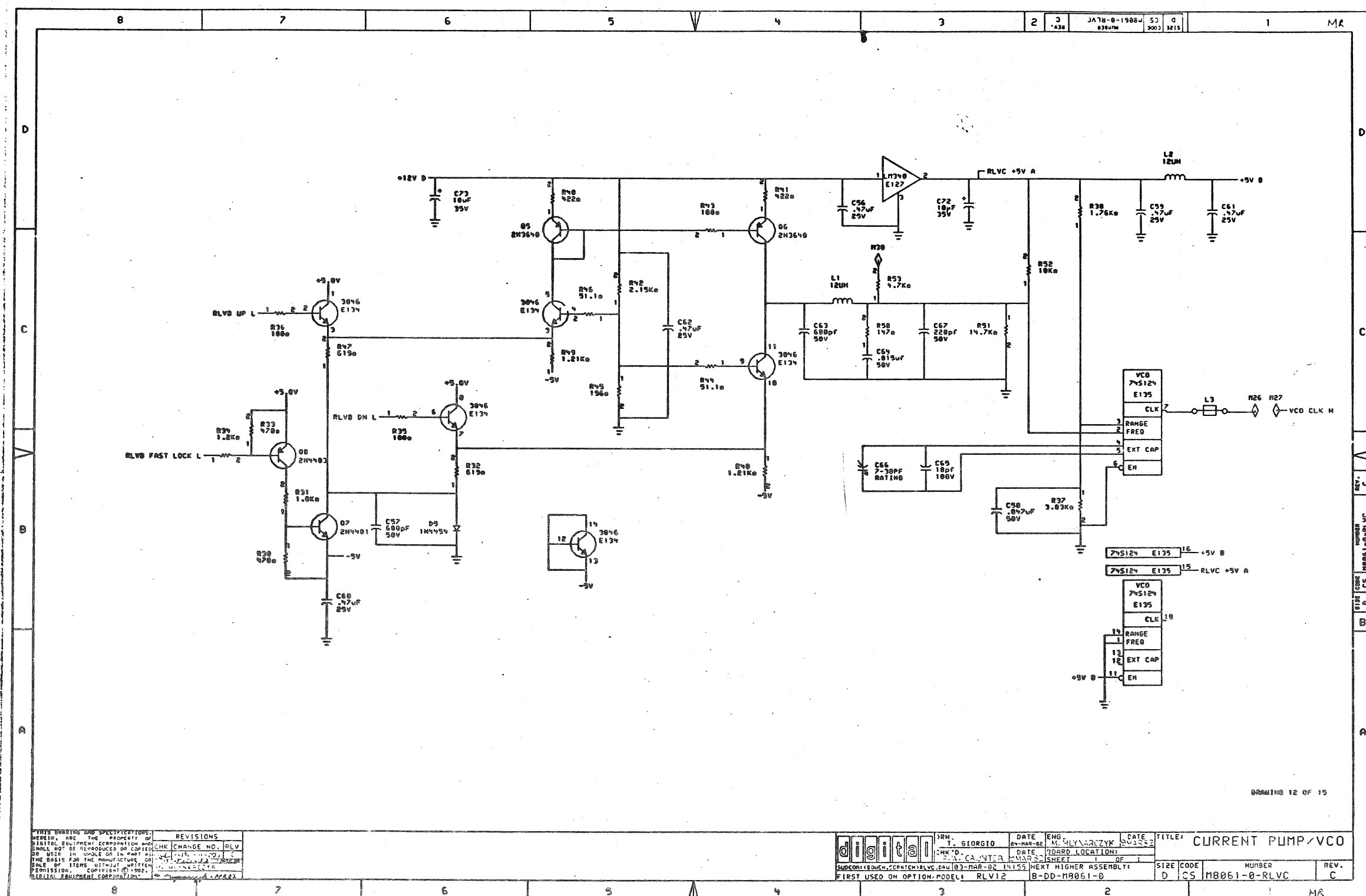


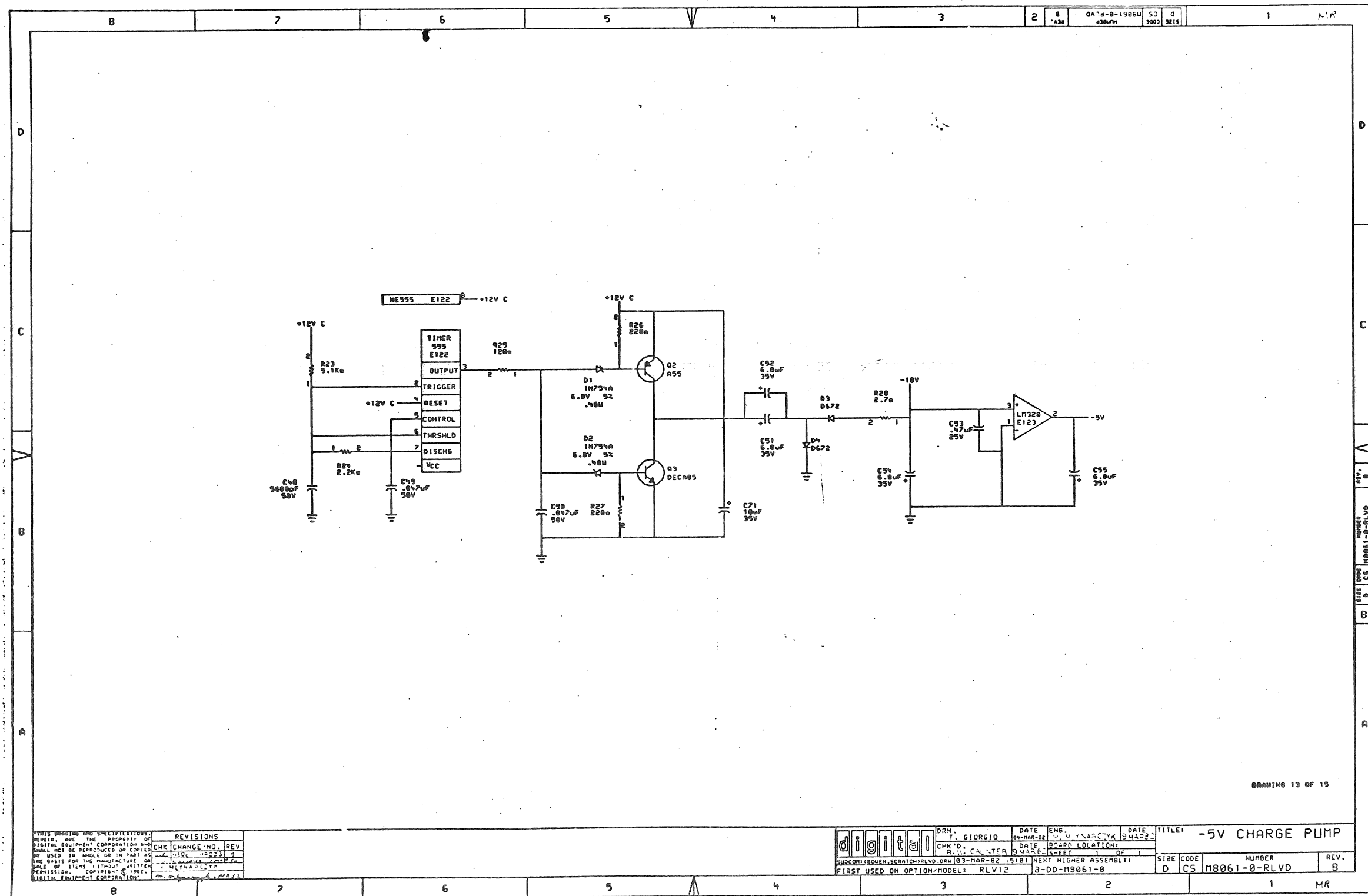


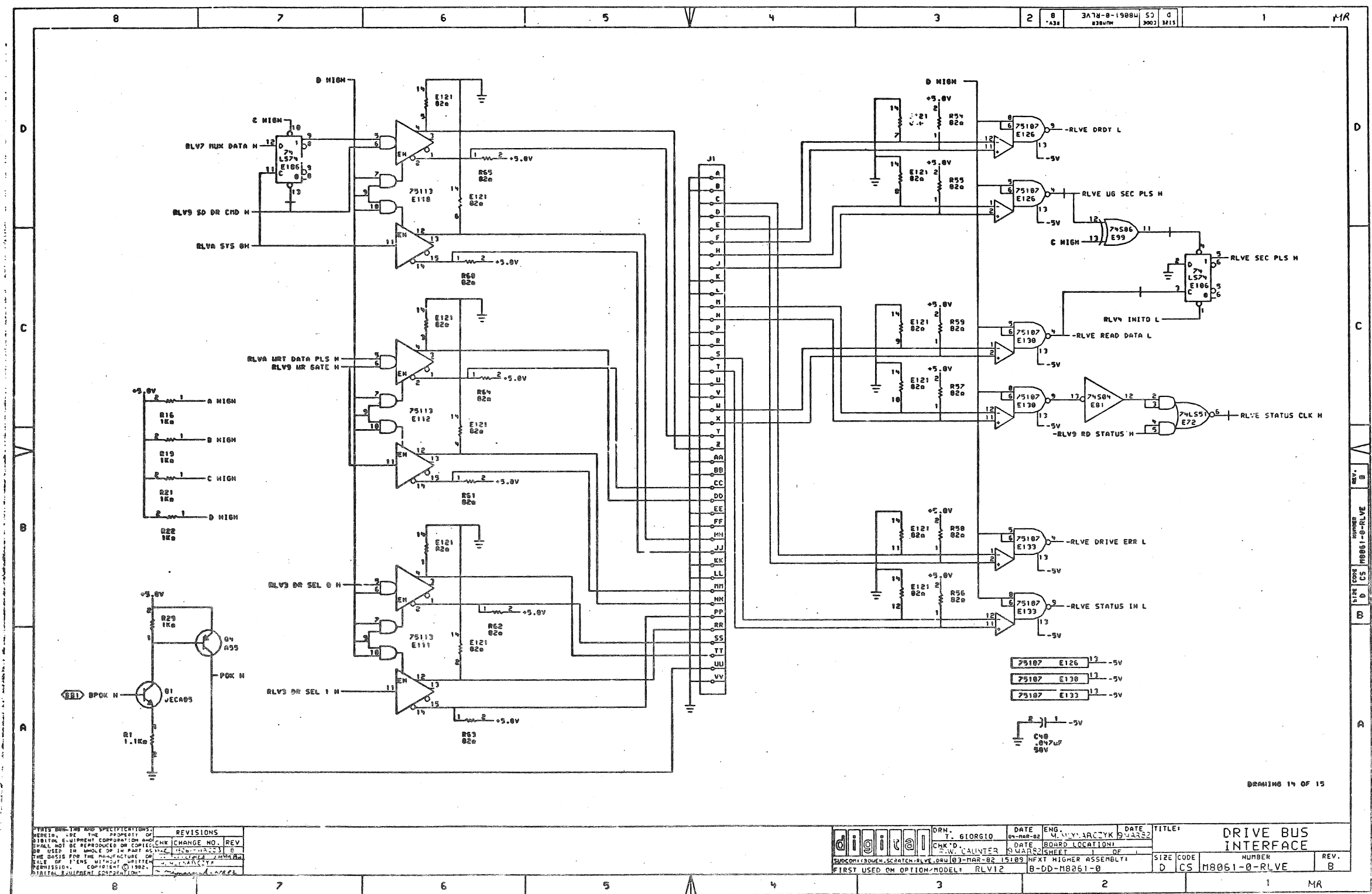


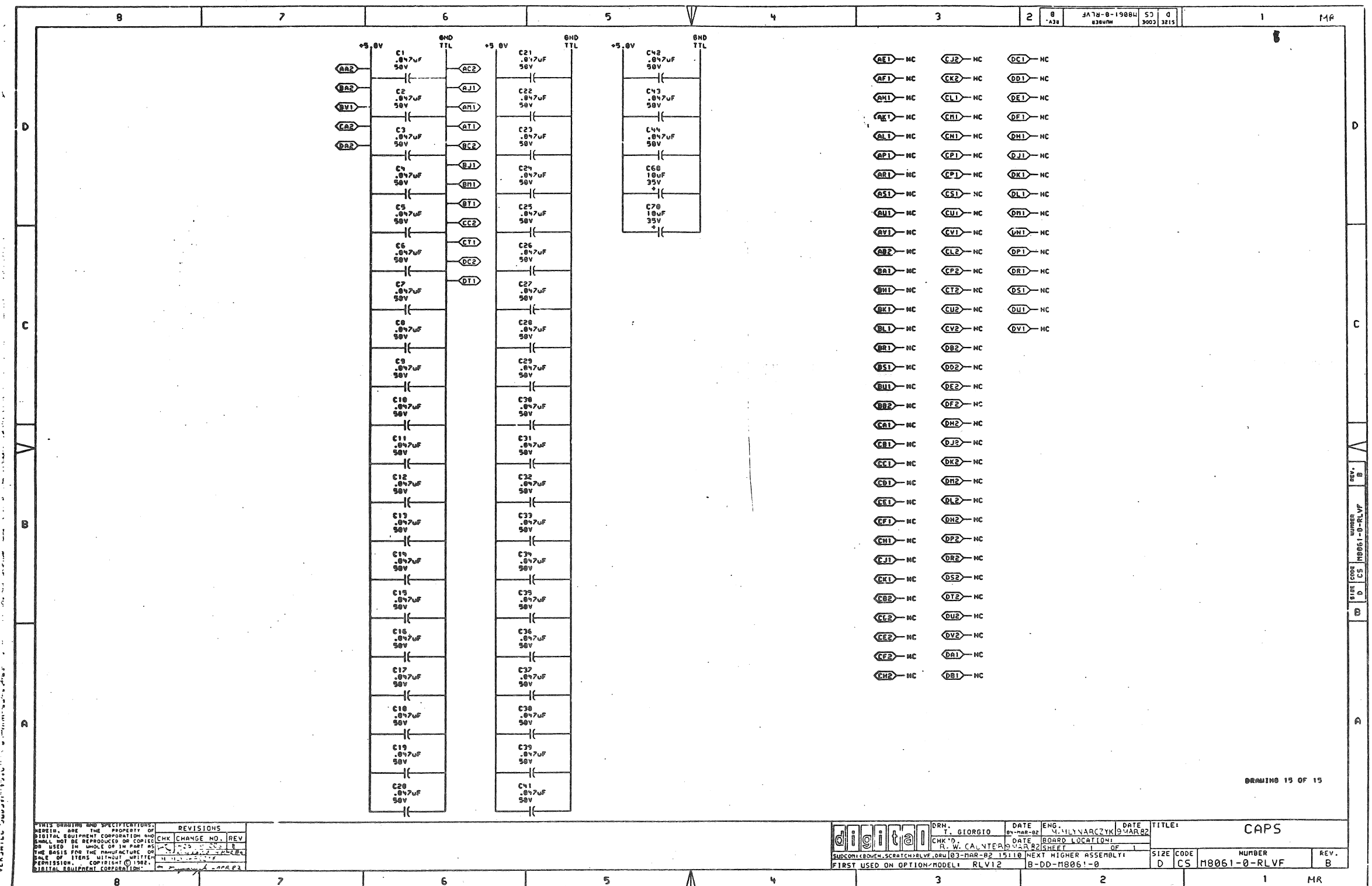


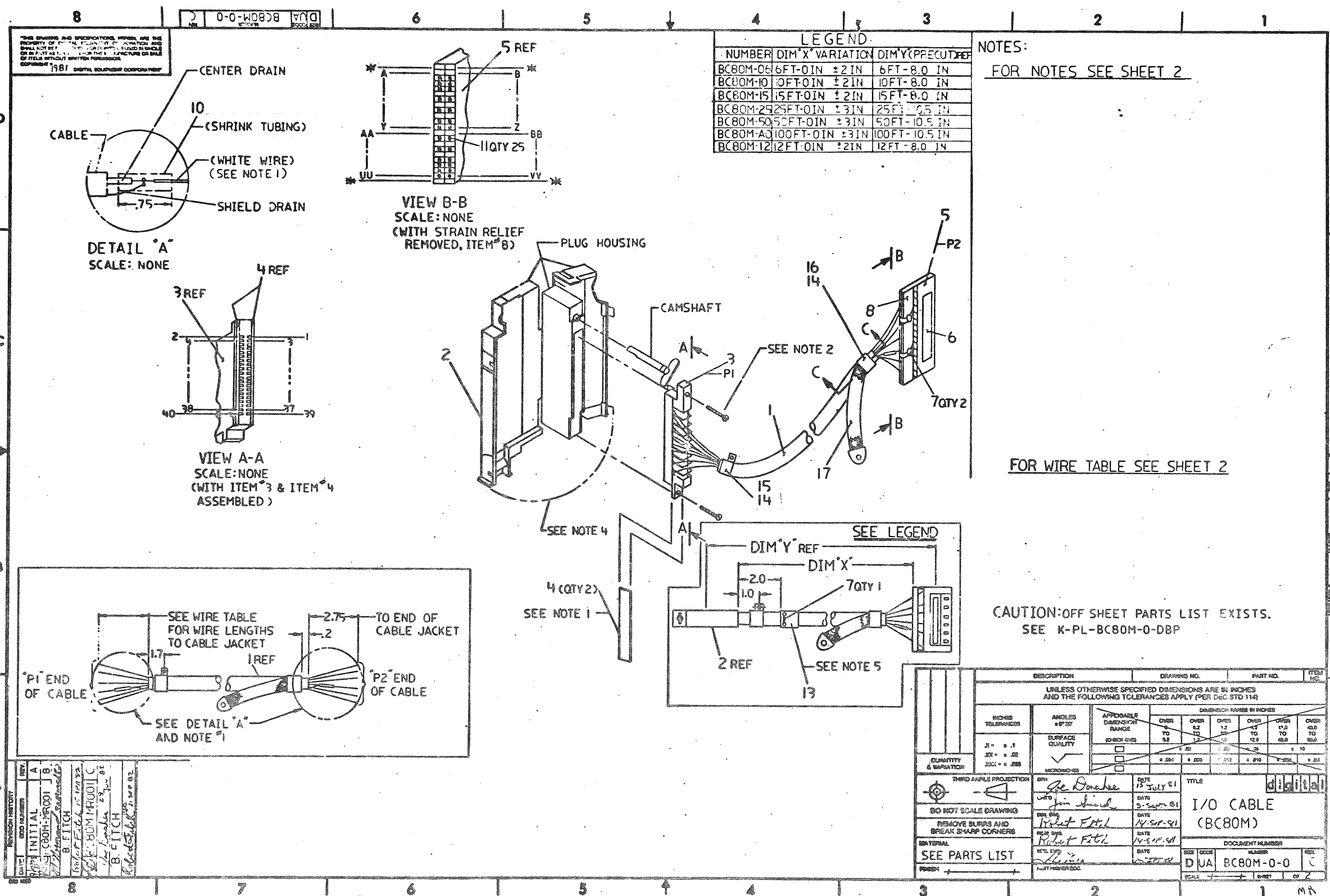












8

2

0-0-W08B8

77D

2000 125

6

5

4

3

THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1971 DIGITAL EQUIPMENT CORPORATION

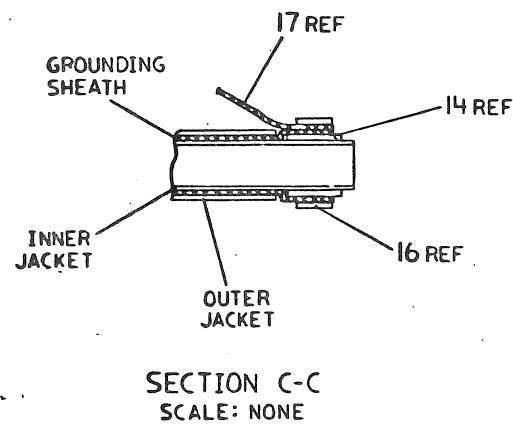
WIRE TABLE

ITEM NO.	WIRE LENGTH TO CABLE JACKET	DESCRIPTION	FROM	TO	SIGNAL NAME	REMARKS
		TWP COLOR	CONN TERM	CONN TERM		
1			PI-1	P2-A		NO CONN
			PI-2	P2-B		
	2.50	RED	PI-3	P2-C	ITEM I DRV ERR +	
	2.50	TWP WHT/RED	PI-4	P2-D	ITEM I DRV ERR -	
	2.38	RED	PI-5	P2-E	DRV RDY +	
	2.38	TWP WHT/GRN	PI-6	P2-F	DRV RDY -	
	2.25	RED	PI-7	P2-H	SEC PLS +	
	2.25	TWP WHT/ORN	PI-8	P2-J	ITEM II SEC PLS -	
			PI-9	P2-K		NO CONN
			PI-10	P2-L		
	2.00	RED	PI-11	P2-M	ITEM I STAT CLK +	
	2.00	TWP WHT/YEL	PI-12	P2-N	ITEM II STAT CLK -	
			PI-13	P2-P		NO CONN
			PI-14	P2-R		
	1.75	RED	PI-15	P2-S	ITEM I STAT IN +	
	1.75	TWP WHT/BLK/RED	PI-16	P2-T	ITEM II STAT IN -	
			PI-17	P2-U		NO CONN
			PI-18	P2-V		
	1.62	RED	PI-19	P2-W	ITEM I READ DATA +	
	1.62	TWP WHT/BLK/ORN	PI-20	P2-X	ITEM I READ DATA -	
	1.50	RED	PI-21	P2-Y	ITEM I DRIVE CMND +	
	1.50	TWP WHT/BLK/BLU	PI-22	P2-Z	ITEM II DRIVE CMND -	

WIRE TABLE

ITEM NO.	WIRE LENGTH TO CABLE JACKET	DESCRIPTION	FROM	TO	SIGNAL NAME	REMARKS
		TWP COLOR	CONN TERM	CONN TERM		
1			PI-23	P2-AA		NO CONN
			PI-24	P2-BB		
	.38	RED	PI-25	P2-CC	ITEM I WRT DATA -	
	.38	TWP WHT/BLK/BRN	PI-26	P2-DD	ITEM II WRT DATA +	
			PI-27	P2-EE		NO CONN
			PI-28	P2-FF		
	1.25	RED	PI-29	P2-HH	ITEM II SYS CLK -	
	1.25	TWP WHT/GRN/RED	PI-30	P2-JJ	ITEM II SYS CLK +	
			PI-31	P2-KK		NO CONN
			PI-32	P2-LL		
	.18	RED	PI-33	P2-MM	ITEM II WRT GATE -	
	.18	TWP WHT/GRN/BLU	PI-34	P2-NN	ITEM II WRT GATE +	
	1.00	RED	PI-35	P2-PP	DRV SEL1 -	
	1.00	TWP WHT/GRN/YEL	PI-36	P2-RR	DRV SEL1 +	
	.88	RED	PI-37	P2-SS	DRV SEL0 -	
	.88	TWP WHT/GRN/BRN	PI-38	P2-TT	DRV SEL0 +	
	.75	YEL	PI-39	P2-UU	ITEM I DC OK	
		WHT				SEE NOTE 1
1	1.75	BLK	PI-40	P2-VV	ITEM II GND	SEE NOTE 1

- NOTES:
- THE DRAIN WIRE AND INNER GND WIRE MUST BE PREPARED AS FOLLOWS BEFORE TERMINATING CABLE TO PLUG ON BOTH ENDS OF WIRE.
 - CUT BACK THE CENTER BLACK GND WIRE 0.4±0.1 INCH ABOVE JACKET, STRIP END 0.25±0.06 INCH.
 - FIND AND SEPARATE THE SOLID WHITE AND YELLOW PAIRED WIRES. CUT THE WHITE WIRE FLUSH WITH JACKET. STRIP END OF LOOSE WHITE WIRE 0.25±0.06 INCH.
 - POSITION STRIPPED END OF WHITE WIRE PARALLEL TO THE STRIPPED END OF THE BLACK GND WIRE. WRAP THE DRAIN WIRE AROUND THE STRIPPED END OF THE BLACK AND WHITE WIRE 2-4 TIMES. SOLDER WIRE SPLICE AND CUT OFF END OF DRAIN FLUSH WITH SPLICE.
 - COVER SPLICE WITH 0.5±0.06 INCH OF SHRINK TUBING, ITEM 4, TWIST THE WHITE AND YELLOW WIRES (PREVIOUSLY SEPARATED) BACK TOGETHER FOR APPROXIMATELY (3) THREE INCHES.
 - SCREWS (2 X .316 SELF TAPPING) ARE PART OF PLUG HOUSING AND CAMSHAFT KIT (ITEM #2).
 - REF ONLY CONTACT (DEC PART NO. 121591-27) FOR REPLACEMENT ONLY.
 - PRIOR TO SNAPPING SIDES OF PLUG HOUSING TOGETHER CARE SHOULD BE TAKEN TO ASSURE THAT ALL WIRES ARE SUFFICIENTLY WITHIN HOUSING TO PREVENT PINCHING OF INDIVIDUAL STRANDS.
 - CABLE TO BE MARKED WITH PART NUMBER BC80M AND REV IN AREA SHOWN.
 - * DENOTES CAVITIES NOT TO BE USED OR DESIGNATED BY LETTERS.



REVISION HISTORY			DOCUMENT NUMBER			TITLE		
DATE	REV	DESCRIPTION	SIZE	CODE	NUMBER	REV	I/O CABLE (BC80M)	
			D	UA	BC80M-0-0	C		
			SCALE			SHEET 2 OF 2		

