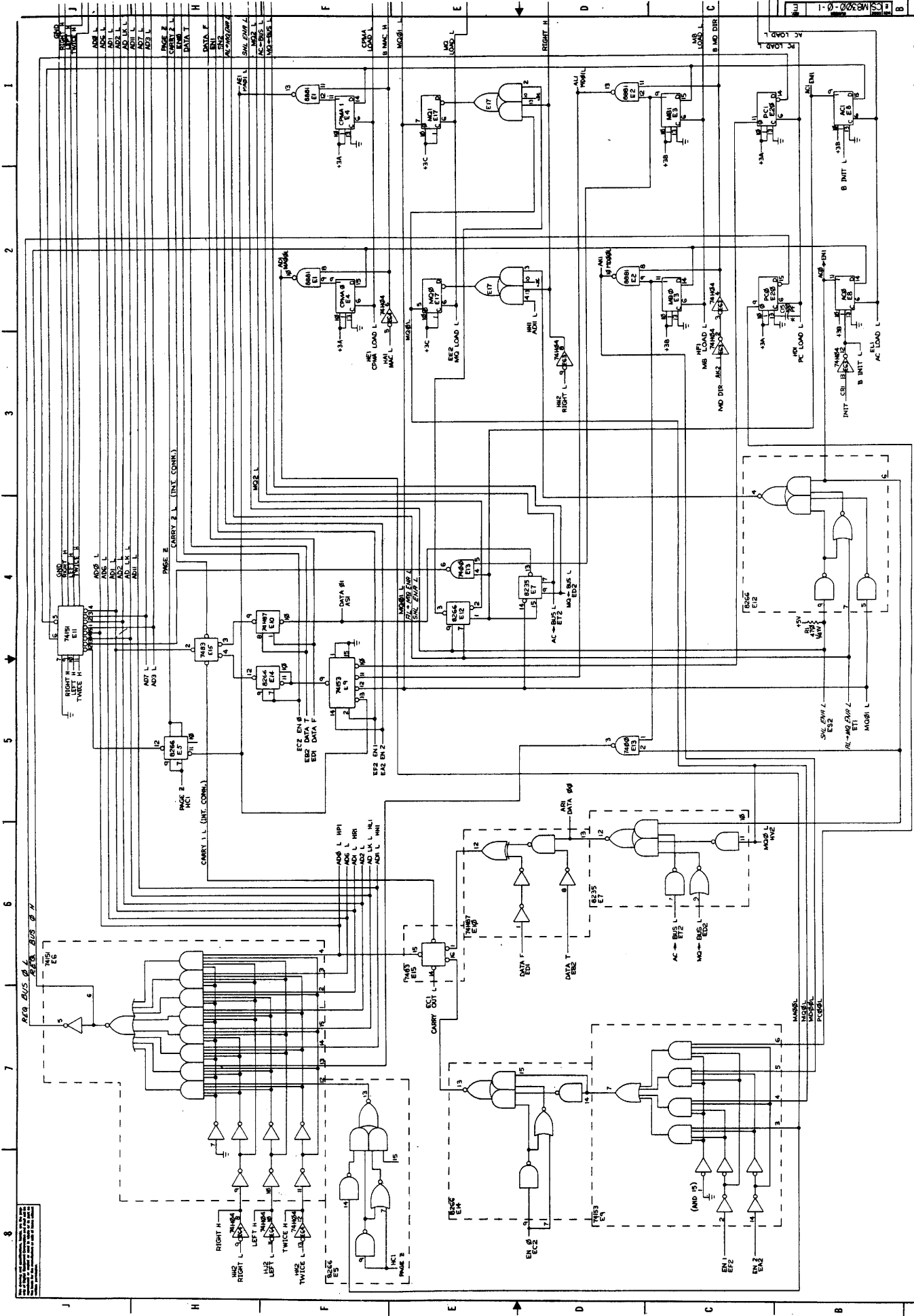


TITLE	NUMBER	REV
CENTRAL PROCESSOR (KK8-F)	KK8-F	
SHEET 2 OF 3	SIZE CODE	
	B DD	



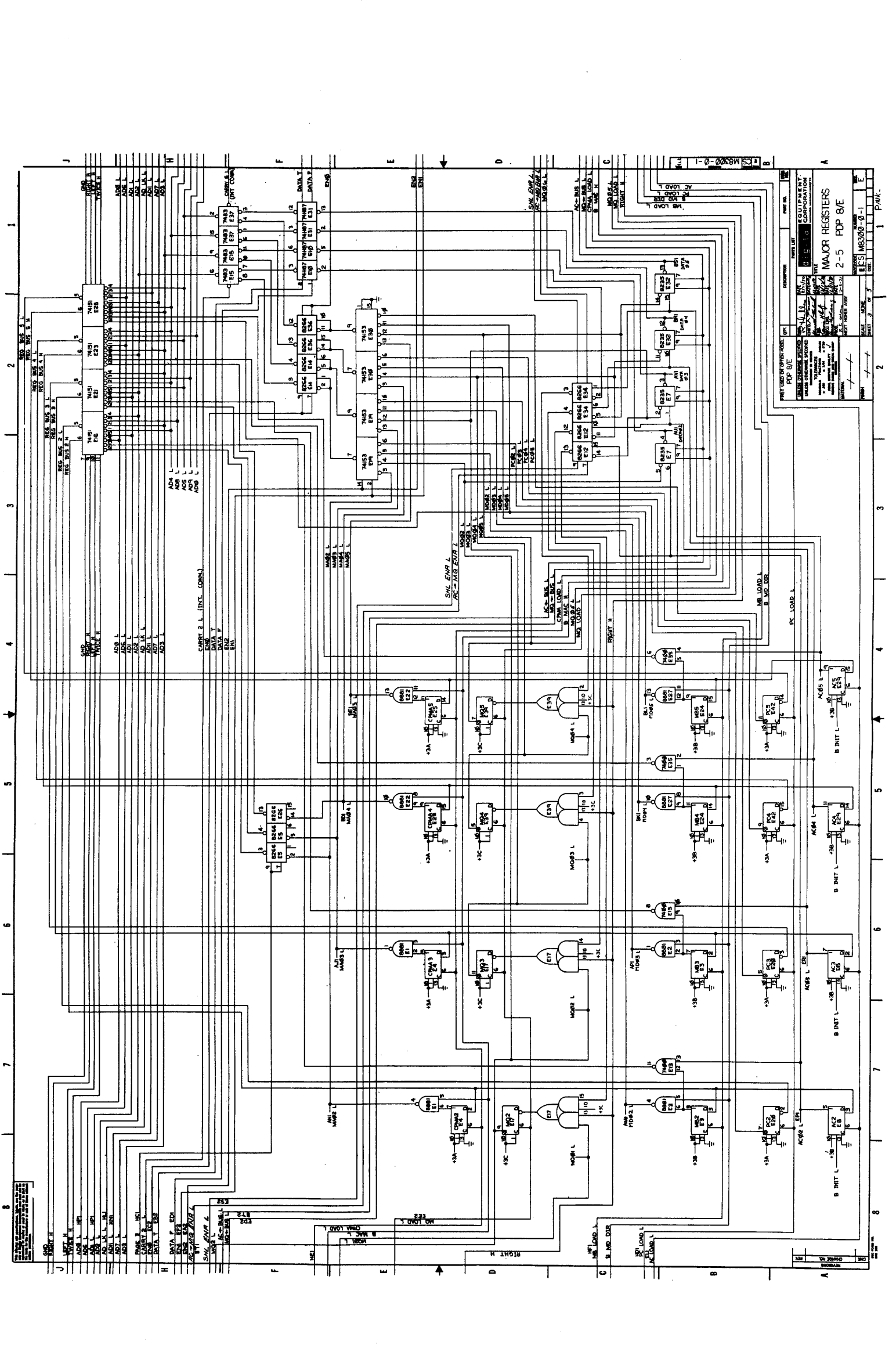
UNIT	REVISION	DATE	BY	CHKD
1	1	11/20/54	...	...
2	1	11/20/54	...	...
3	1	11/20/54	...	...
4	1	11/20/54	...	...
5	1	11/20/54	...	...
6	1	11/20/54	...	...
7	1	11/20/54	...	...
8	1	11/20/54	...	...

FOR SIMPLICITY OF DRAWING THE FOLLOWING PROCEDURES HAVE BEEN USED TO ELIMINATE LINES:
 THIS DENOTES CONNECTION BETWEEN PIN 14 AND PIN 15 OF EACH IC. THIS ALSO IS TRUE FOR OTHER CASES SUCH AS 8244, 74487, AND 74151.

CARRY IN TO A 7415 ADDRESS IS PIN 13
 CARRY OUT OF A 7483 ADDRESS IS PIN 14. THIS DENOTES CONNECTION BETWEEN PIN 14 AND PIN 15 OF EACH IC. THIS ALSO IS TRUE FOR OTHER CASES SUCH AS 8244, 74487, AND 74151.

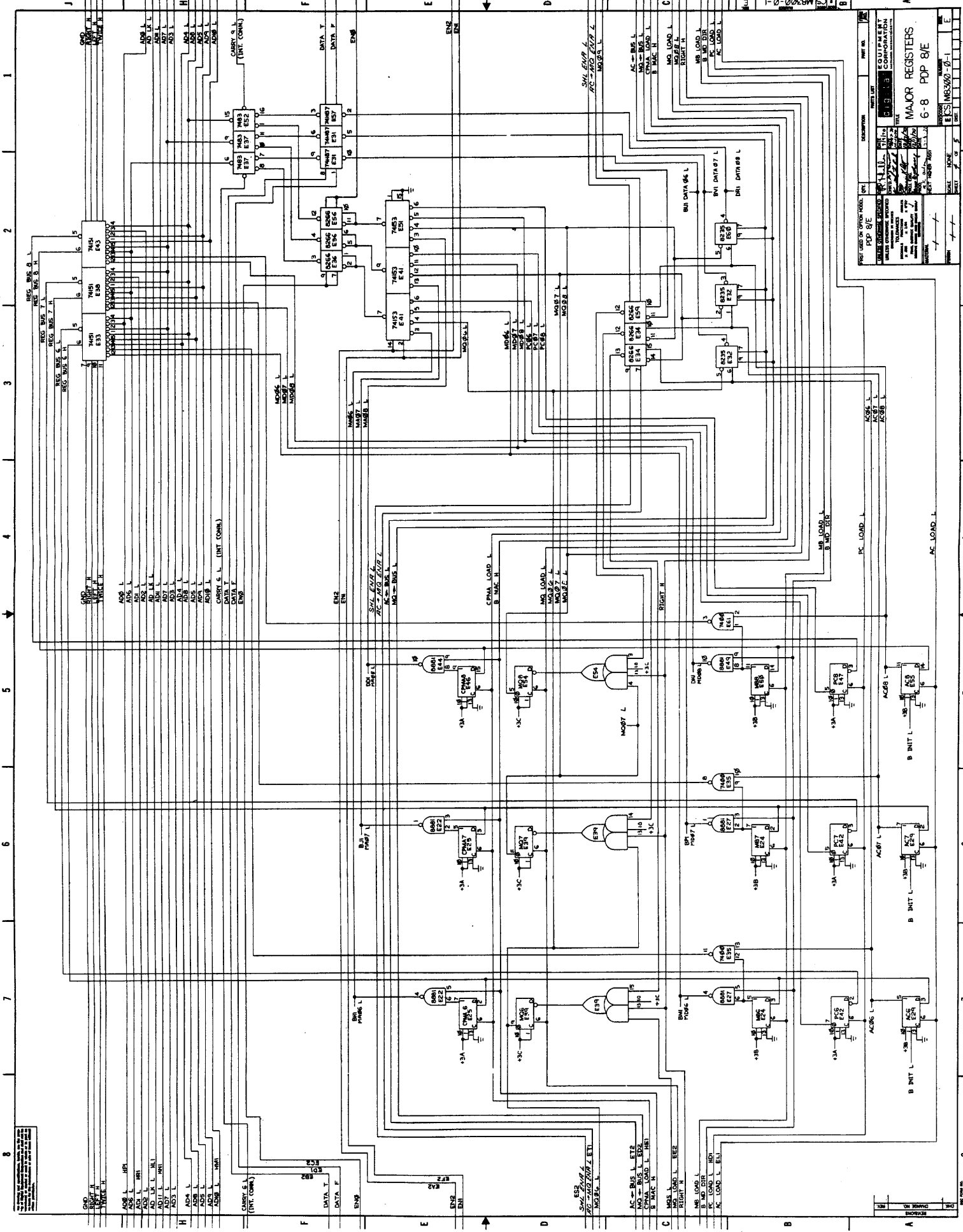
CARRY 2.L (INT. CONN.)
 CARRY 1.L (INT. CONN.)
 EN1, EN2, EN3, EN4, EN5, EN6, EN7, EN8, EN9

UNIT	REVISION	DATE	BY	CHKD
1	1	11/20/54	...	...
2	1	11/20/54	...	...
3	1	11/20/54	...	...
4	1	11/20/54	...	...
5	1	11/20/54	...	...
6	1	11/20/54	...	...
7	1	11/20/54	...	...
8	1	11/20/54	...	...



EQUIPMENT		DATE		REV. NO.	1	PKT.
CORPORATION		DATE				
TITLE		DATE				
PROJECT NO.		SCALE		3	2	1
DRAWING NO.		SHEET NO.		3	2	1
DESIGNED BY		CHECKED BY				
DRAWN BY		APPROVED BY				
DATE		DATE				
PROJECT		PROJECT				
REVISION		REVISION				
BY		BY				
DATE		DATE				

MAJOR REGISTERS
 2-5 PDP 8/E
 E.C.S. M8500-0-1



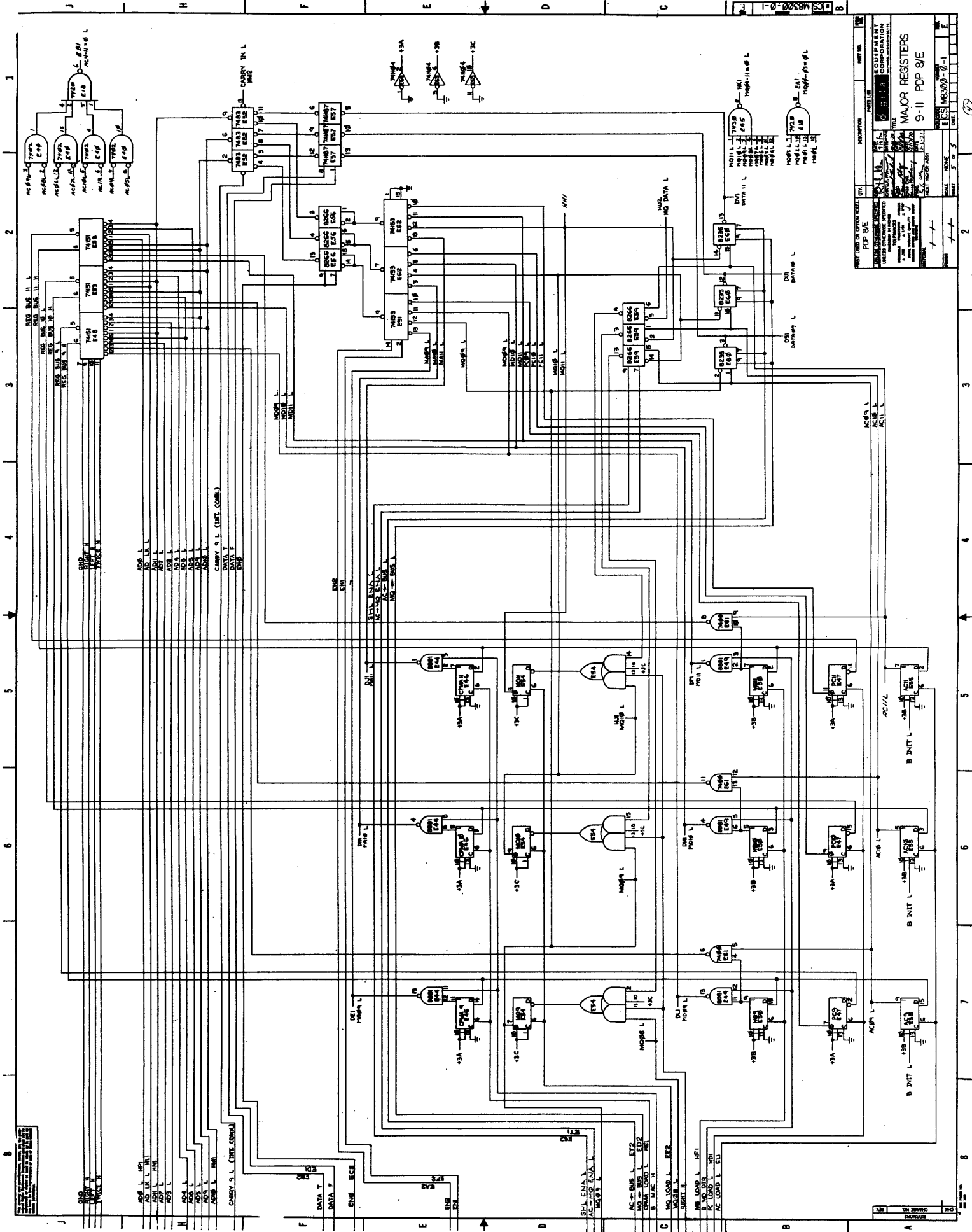
REG. NO.	DESCRIPTION	UNIT LIST	REVISION
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REG. NO.	DESCRIPTION	UNIT LIST	REVISION
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MAJOR REGISTERS
6-8 PDP 8/E

REG. NO. 1-10
DESCRIPTION
UNIT LIST
REVISION

REG. NO. 1-10
DESCRIPTION
UNIT LIST
REVISION



REV	DESCRIPTION	DATE	BY	CHKD
1	INITIAL DESIGN	10/1/68	J. J.
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**MAJOR REGISTERS
9-11 POP 8/E**

CS 16300-0-1

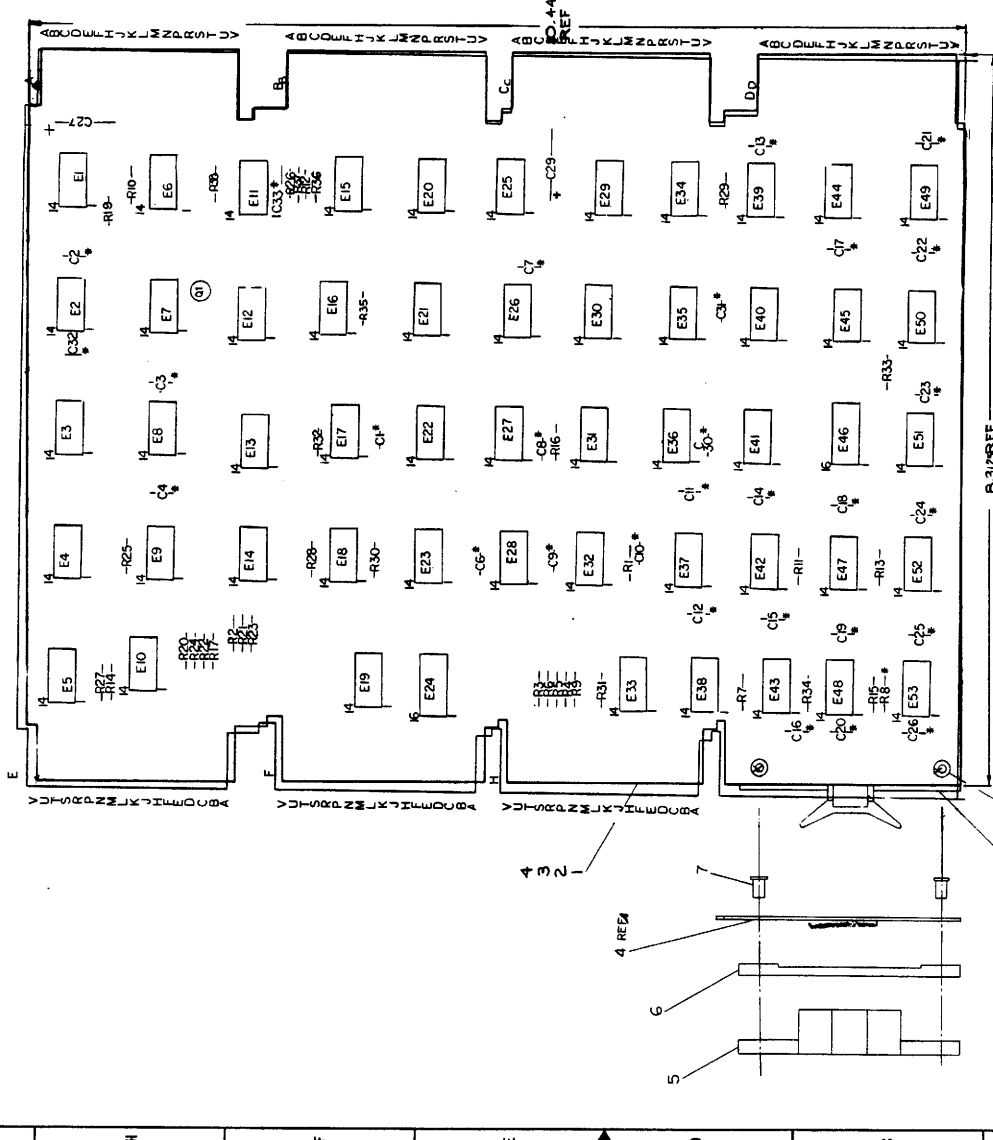
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NOTES: THESE COMPONENTS MUST BE ON THE MB310 IF THERE IS A KUB-A(MB319) ON THE SYSTEM.

4 2 3 4 5 6 7

J H F E D C B A



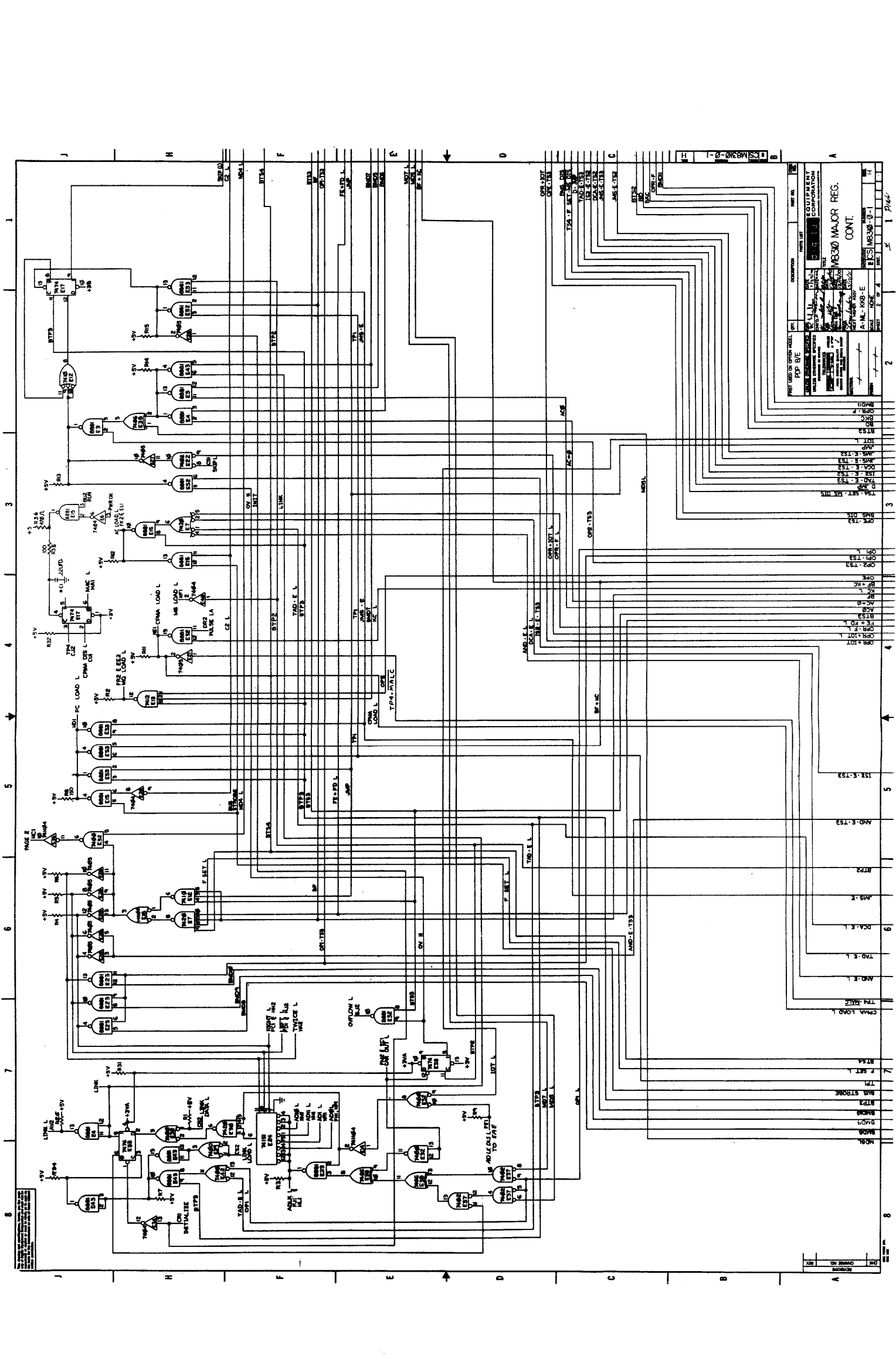
REF	REF DESIGNATION	QUANTITY	DESCRIPTION	DATE
1	RES. 150/1/4W/1/2"	1300210		31
1	RES. 3K 1/4W/2"	1500452		30
1	RES. 100K 1/4W/2"	1500453		29
1	TRANSISTOR DEC 100CB	1500100		28
2	IC DEC 74174	1500667		27
1	IC DEC 74174	1500667		26
1	IC DEC 74174	1500667		25
1	RES. 100/1/4W/5%	1500777		24
1	IC DEC 74174	1500667		23
1	IC DEC 74174	1500667		22
1	IC DEC 74174	1500667		21
1	IC DEC 74174	1500667		20
1	IC DEC 74174	1500667		19
1	IC DEC 74174	1500667		18
1	IC DEC 74174	1500667		17
1	IC DEC 74174	1500667		16
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1	IC DEC 74174	1500667		14
1	IC DEC 74174	1500667		13
1	IC DEC 74174	1500667		12
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1	IC DEC 74174	1500667		4
1	IC DEC 74174	1500667		3
1	IC DEC 74174	1500667		2
1	IC DEC 74174	1500667		1

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REV	DESCRIPTION	DATE	BY	CHKD
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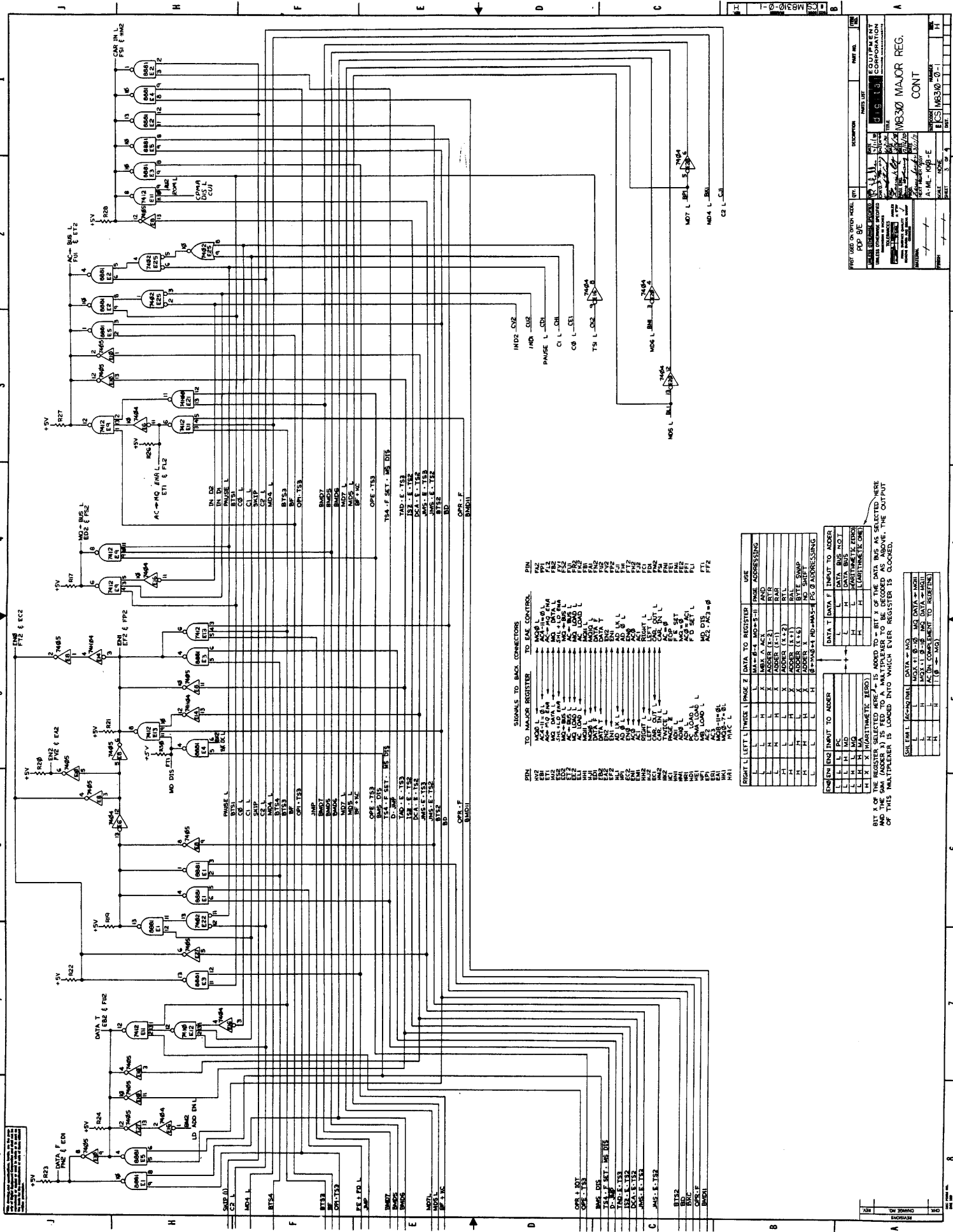


TITLE: IBM 360 MAJOR REG. CONT.
 PROJECT: 2 0 4
 DRAWING NO.: 1-0-0K-384
 SHEET NO.: 2 OF 4
 DATE: 1 1964

APPROVED BY: [Signature]
 DESIGNED BY: [Signature]
 CHECKED BY: [Signature]

IBM CORPORATION
 EQUIPMENT DEPARTMENT
 PDP 8/E

PAGE 2
 CONTAINS THE REMAINING PARTS OF THE MAJOR REGISTER LOGIC.



REV	DATE	DESCRIPTION	APPROVED
1			
2			
3			
4			
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WB300 MAJOR REG.
CONT

EQUIPMENT CONTROL DATA SHEET

DATE: 11-16-67
BY: [Signature]
CHECKED: [Signature]

SIGNALS TO BACK CONNECTORS TO ANALOG REGISTER

TO ANALOG REGISTER	TO DATA REGISTER	USE
MOD0 L	MOD0 L	MOD0 ADDRESS
MOD1 L	MOD1 L	MOD1 ADDRESS
MOD2 L	MOD2 L	MOD2 ADDRESS
MOD3 L	MOD3 L	MOD3 ADDRESS
MOD4 L	MOD4 L	MOD4 ADDRESS
MOD5 L	MOD5 L	MOD5 ADDRESS
MOD6 L	MOD6 L	MOD6 ADDRESS
MOD7 L	MOD7 L	MOD7 ADDRESS
MOD8 L	MOD8 L	MOD8 ADDRESS
MOD9 L	MOD9 L	MOD9 ADDRESS
MOD10 L	MOD10 L	MOD10 ADDRESS
MOD11 L	MOD11 L	MOD11 ADDRESS
MOD12 L	MOD12 L	MOD12 ADDRESS
MOD13 L	MOD13 L	MOD13 ADDRESS
MOD14 L	MOD14 L	MOD14 ADDRESS
MOD15 L	MOD15 L	MOD15 ADDRESS
MOD16 L	MOD16 L	MOD16 ADDRESS
MOD17 L	MOD17 L	MOD17 ADDRESS
MOD18 L	MOD18 L	MOD18 ADDRESS
MOD19 L	MOD19 L	MOD19 ADDRESS
MOD20 L	MOD20 L	MOD20 ADDRESS
MOD21 L	MOD21 L	MOD21 ADDRESS
MOD22 L	MOD22 L	MOD22 ADDRESS
MOD23 L	MOD23 L	MOD23 ADDRESS
MOD24 L	MOD24 L	MOD24 ADDRESS
MOD25 L	MOD25 L	MOD25 ADDRESS
MOD26 L	MOD26 L	MOD26 ADDRESS
MOD27 L	MOD27 L	MOD27 ADDRESS
MOD28 L	MOD28 L	MOD28 ADDRESS
MOD29 L	MOD29 L	MOD29 ADDRESS
MOD30 L	MOD30 L	MOD30 ADDRESS
MOD31 L	MOD31 L	MOD31 ADDRESS

SIGNALS TO DATA REGISTER

DATA REGISTER INPUT TO ADDRESS	DATA REGISTER INPUT TO ADDRESS	DATA REGISTER INPUT TO ADDRESS
DATA0 L	DATA0 L	DATA0 ADDRESS
DATA1 L	DATA1 L	DATA1 ADDRESS
DATA2 L	DATA2 L	DATA2 ADDRESS
DATA3 L	DATA3 L	DATA3 ADDRESS
DATA4 L	DATA4 L	DATA4 ADDRESS
DATA5 L	DATA5 L	DATA5 ADDRESS
DATA6 L	DATA6 L	DATA6 ADDRESS
DATA7 L	DATA7 L	DATA7 ADDRESS
DATA8 L	DATA8 L	DATA8 ADDRESS
DATA9 L	DATA9 L	DATA9 ADDRESS
DATA10 L	DATA10 L	DATA10 ADDRESS
DATA11 L	DATA11 L	DATA11 ADDRESS
DATA12 L	DATA12 L	DATA12 ADDRESS
DATA13 L	DATA13 L	DATA13 ADDRESS
DATA14 L	DATA14 L	DATA14 ADDRESS
DATA15 L	DATA15 L	DATA15 ADDRESS
DATA16 L	DATA16 L	DATA16 ADDRESS
DATA17 L	DATA17 L	DATA17 ADDRESS
DATA18 L	DATA18 L	DATA18 ADDRESS
DATA19 L	DATA19 L	DATA19 ADDRESS
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DATA21 L	DATA21 L	DATA21 ADDRESS
DATA22 L	DATA22 L	DATA22 ADDRESS
DATA23 L	DATA23 L	DATA23 ADDRESS
DATA24 L	DATA24 L	DATA24 ADDRESS
DATA25 L	DATA25 L	DATA25 ADDRESS
DATA26 L	DATA26 L	DATA26 ADDRESS
DATA27 L	DATA27 L	DATA27 ADDRESS
DATA28 L	DATA28 L	DATA28 ADDRESS
DATA29 L	DATA29 L	DATA29 ADDRESS
DATA30 L	DATA30 L	DATA30 ADDRESS
DATA31 L	DATA31 L	DATA31 ADDRESS

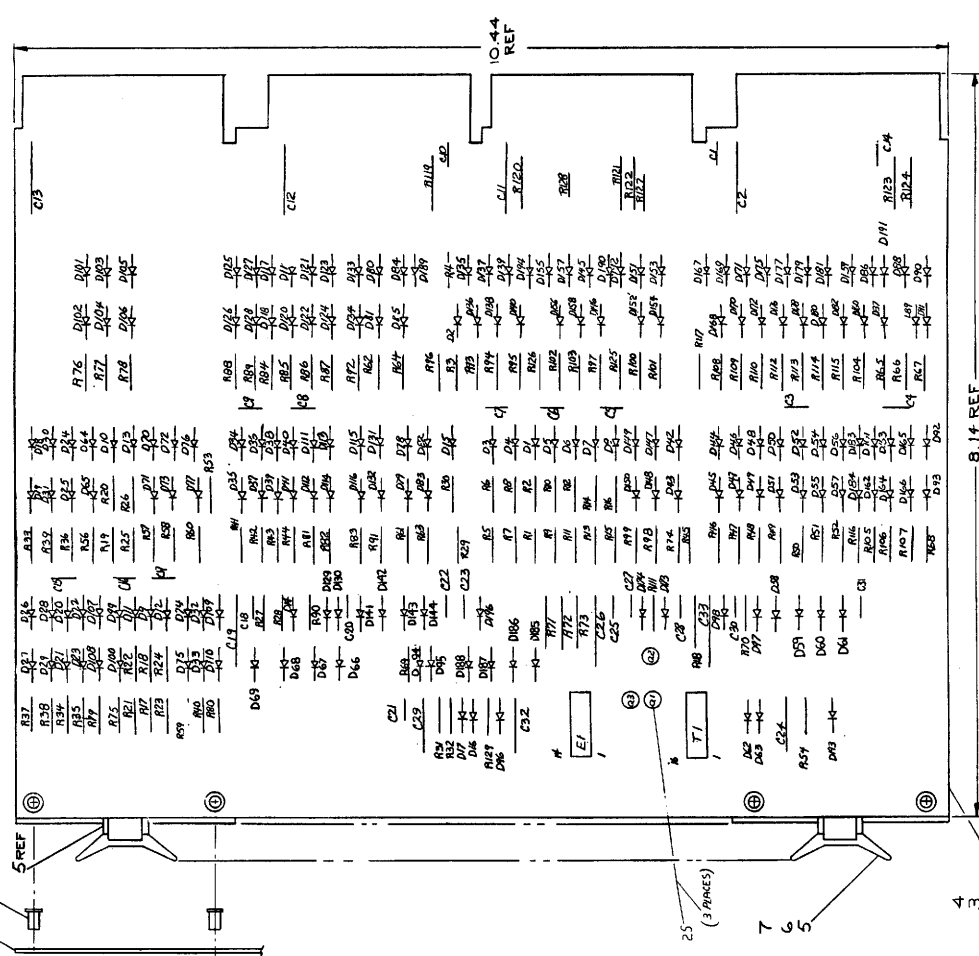
BIT 1 OF THE DATA REGISTER IS ADDED TO BIT 7 OF THE DATA REGISTER AS SHOWN ABOVE AND THE SUM (ADDRESS) IS FED TO A MULTIPLEXER TO BE DECODED AS ABOVE. THE OUTPUT OF THIS MULTIPLEXER IS LOADED INTO WHICH EVER REGISTER IS Clocked.

ACCOMMODATION DATA

ACCOMMODATION DATA	ACCOMMODATION DATA	ACCOMMODATION DATA
ACC0 L	ACC0 L	ACC0 ADDRESS
ACC1 L	ACC1 L	ACC1 ADDRESS
ACC2 L	ACC2 L	ACC2 ADDRESS
ACC3 L	ACC3 L	ACC3 ADDRESS
ACC4 L	ACC4 L	ACC4 ADDRESS
ACC5 L	ACC5 L	ACC5 ADDRESS
ACC6 L	ACC6 L	ACC6 ADDRESS
ACC7 L	ACC7 L	ACC7 ADDRESS
ACC8 L	ACC8 L	ACC8 ADDRESS
ACC9 L	ACC9 L	ACC9 ADDRESS
ACC10 L	ACC10 L	ACC10 ADDRESS
ACC11 L	ACC11 L	ACC11 ADDRESS
ACC12 L	ACC12 L	ACC12 ADDRESS
ACC13 L	ACC13 L	ACC13 ADDRESS
ACC14 L	ACC14 L	ACC14 ADDRESS
ACC15 L	ACC15 L	ACC15 ADDRESS
ACC16 L	ACC16 L	ACC16 ADDRESS
ACC17 L	ACC17 L	ACC17 ADDRESS
ACC18 L	ACC18 L	ACC18 ADDRESS
ACC19 L	ACC19 L	ACC19 ADDRESS
ACC20 L	ACC20 L	ACC20 ADDRESS
ACC21 L	ACC21 L	ACC21 ADDRESS
ACC22 L	ACC22 L	ACC22 ADDRESS
ACC23 L	ACC23 L	ACC23 ADDRESS
ACC24 L	ACC24 L	ACC24 ADDRESS
ACC25 L	ACC25 L	ACC25 ADDRESS
ACC26 L	ACC26 L	ACC26 ADDRESS
ACC27 L	ACC27 L	ACC27 ADDRESS
ACC28 L	ACC28 L	ACC28 ADDRESS
ACC29 L	ACC29 L	ACC29 ADDRESS
ACC30 L	ACC30 L	ACC30 ADDRESS
ACC31 L	ACC31 L	ACC31 ADDRESS

NOTES:

- UNLESS OTHERWISE SPECIFIED:
CAPACITORS = .001UF 16V 15-20%
RESISTORS = 1000 OHM 5%
- DIODES = D664
- CONNECT ALL WMS C.I.A.K.T (EXCEPT AC1)
- 700E PAGE TO GEORGE
- ITEM NO. B (D664) MAY BE REPLACED WITH D660
PN. 1103366 (REV. C ONLY).
- INSTALL ITEM #5 (TUBING) ON BASE LEAD OF
EACH 2W32LS.
- ANY COLOR TUBING MAY BE USED FOR ITEM 2,5



QTY	REF DESIGNATION	DESCRIPTION	PART NO.
1	R1	100K 1/4W 5%	100256-11
1	R2	100K 1/4W 5%	100256-11
1	R3	100K 1/4W 5%	100256-11
1	R4	100K 1/4W 5%	100256-11
1	R5	100K 1/4W 5%	100256-11
1	R6	100K 1/4W 5%	100256-11
1	R7	100K 1/4W 5%	100256-11
1	R8	100K 1/4W 5%	100256-11
1	R9	100K 1/4W 5%	100256-11
1	R10	100K 1/4W 5%	100256-11
1	R11	100K 1/4W 5%	100256-11
1	R12	100K 1/4W 5%	100256-11
1	R13	100K 1/4W 5%	100256-11
1	R14	100K 1/4W 5%	100256-11
1	R15	100K 1/4W 5%	100256-11
1	R16	100K 1/4W 5%	100256-11
1	R17	100K 1/4W 5%	100256-11
1	R18	100K 1/4W 5%	100256-11
1	R19	100K 1/4W 5%	100256-11
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1	R21	100K 1/4W 5%	100256-11
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1	R39	100K 1/4W 5%	100256-11
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1	R46	100K 1/4W 5%	100256-11
1	R47	100K 1/4W 5%	100256-11
1	R48	100K 1/4W 5%	100256-11
1	R49	100K 1/4W 5%	100256-11
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1	R64	100K 1/4W 5%	100256-11
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1	R66	100K 1/4W 5%	100256-11
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1	R70	100K 1/4W 5%	100256-11
1	R71	100K 1/4W 5%	100256-11
1	R72	100K 1/4W 5%	100256-11
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1	R76	100K 1/4W 5%	100256-11
1	R77	100K 1/4W 5%	100256-11
1	R78	100K 1/4W 5%	100256-11
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1	R80	100K 1/4W 5%	100256-11
1	R81	100K 1/4W 5%	100256-11
1	R82	100K 1/4W 5%	100256-11
1	R83	100K 1/4W 5%	100256-11
1	R84	100K 1/4W 5%	100256-11
1	R85	100K 1/4W 5%	100256-11
1	R86	100K 1/4W 5%	100256-11
1	R87	100K 1/4W 5%	100256-11
1	R88	100K 1/4W 5%	100256-11
1	R89	100K 1/4W 5%	100256-11
1	R90	100K 1/4W 5%	100256-11
1	R91	100K 1/4W 5%	100256-11
1	R92	100K 1/4W 5%	100256-11
1	R93	100K 1/4W 5%	100256-11
1	R94	100K 1/4W 5%	100256-11
1	R95	100K 1/4W 5%	100256-11
1	R96	100K 1/4W 5%	100256-11
1	R97	100K 1/4W 5%	100256-11
1	R98	100K 1/4W 5%	100256-11
1	R99	100K 1/4W 5%	100256-11
1	R100	100K 1/4W 5%	100256-11
1	R101	100K 1/4W 5%	100256-11
1	R102	100K 1/4W 5%	100256-11
1	R103	100K 1/4W 5%	100256-11
1	R104	100K 1/4W 5%	100256-11
1	R105	100K 1/4W 5%	100256-11
1	R106	100K 1/4W 5%	100256-11
1	R107	100K 1/4W 5%	100256-11
1	C1	100UF 16V 20%	1000023-1
1	C2	100UF 16V 20%	1000023-1
1	C3	100UF 16V 20%	1000023-1
1	C4	100UF 16V 20%	1000023-1
1	C5	100UF 16V 20%	1000023-1
1	C6	100UF 16V 20%	1000023-1
1	C7	100UF 16V 20%	1000023-1
1	C8	100UF 16V 20%	1000023-1
1	C9	100UF 16V 20%	1000023-1
1	C10	100UF 16V 20%	1000023-1
1	C11	100UF 16V 20%	1000023-1
1	C12	100UF 16V 20%	1000023-1
1	C13	100UF 16V 20%	1000023-1
1	C14	100UF 16V 20%	1000023-1
1	C15	100UF 16V 20%	1000023-1
1	C16	100UF 16V 20%	1000023-1
1	C17	100UF 16V 20%	1000023-1
1	C18	100UF 16V 20%	1000023-1
1	C19	100UF 16V 20%	1000023-1
1	C20	100UF 16V 20%	1000023-1
1	C21	100UF 16V 20%	1000023-1
1	C22	100UF 16V 20%	1000023-1
1	C23	100UF 16V 20%	1000023-1
1	D1	1N4148	1N4148
1	D2	1N4148	1N4148
1	D3	1N4148	1N4148
1	D4	1N4148	1N4148
1	D5	1N4148	1N4148
1	D6	1N4148	1N4148
1	D7	1N4148	1N4148
1	D8	1N4148	1N4148
1	D9	1N4148	1N4148
1	D10	1N4148	1N4148
1	D11	1N4148	1N4148
1	D12	1N4148	1N4148
1	D13	1N4148	1N4148
1	D14	1N4148	1N4148
1	D15	1N4148	1N4148
1	D16	1N4148	1N4148
1	D17	1N4148	1N4148
1	D18	1N4148	1N4148
1	D19	1N4148	1N4148
1	D20	1N4148	1N4148
1	D21	1N4148	1N4148
1	D22	1N4148	1N4148
1	D23	1N4148	1N4148
1	D24	1N4148	1N4148
1	D25	1N4148	1N4148
1	IC1	74181	74181
1	IC2	74181	74181
1	IC3	74181	74181
1	IC4	74181	74181

ITEM NO.	DESCRIPTION	QTY	REF. NO.
1	74181	1	IC1
2	74181	1	IC2
3	74181	1	IC3
4	74181	1	IC4
5	1N4148	1	D1
6	1N4148	1	D2
7	1N4148	1	D3
8	1N4148	1	D4
9	1N4148	1	D5
10	1N4148	1	D6
11	1N4148	1	D7
12	1N4148	1	D8
13	1N4148	1	D9
14	1N4148	1	D10
15	1N4148	1	D11
16	1N4148	1	D12
17	1N4148	1	D13
18	1N4148	1	D14
19	1N4148	1	D15
20	1N4148	1	D16
21	1N4148	1	D17
22	1N4148	1	D18
23	1N4148	1	D19
24	1N4148	1	D20
25	1N4148	1	D21
26	1N4148	1	D22
27	1N4148	1	D23
28	1N4148	1	D24
29	1N4148	1	D25
30	100UF 16V 20%	1	C1
31	100UF 16V 20%	1	C2
32	100UF 16V 20%	1	C3
33	100UF 16V 20%	1	C4
34	100UF 16V 20%	1	C5
35	100UF 16V 20%	1	C6
36	100UF 16V 20%	1	C7
37	100UF 16V 20%	1	C8
38	100UF 16V 20%	1	C9
39	100UF 16V 20%	1	C10
40	100UF 16V 20%	1	C11
41	100UF 16V 20%	1	C12
42	100UF 16V 20%	1	C13
43	100UF 16V 20%	1	C14
44	100UF 16V 20%	1	C15
45	100UF 16V 20%	1	C16
46	100UF 16V 20%	1	C17
47	100UF 16V 20%	1	C18
48	100UF 16V 20%	1	C19
49	100UF 16V 20%	1	C20
50	100UF 16V 20%	1	C21
51	100UF 16V 20%	1	C22
52	100UF 16V 20%	1	C23

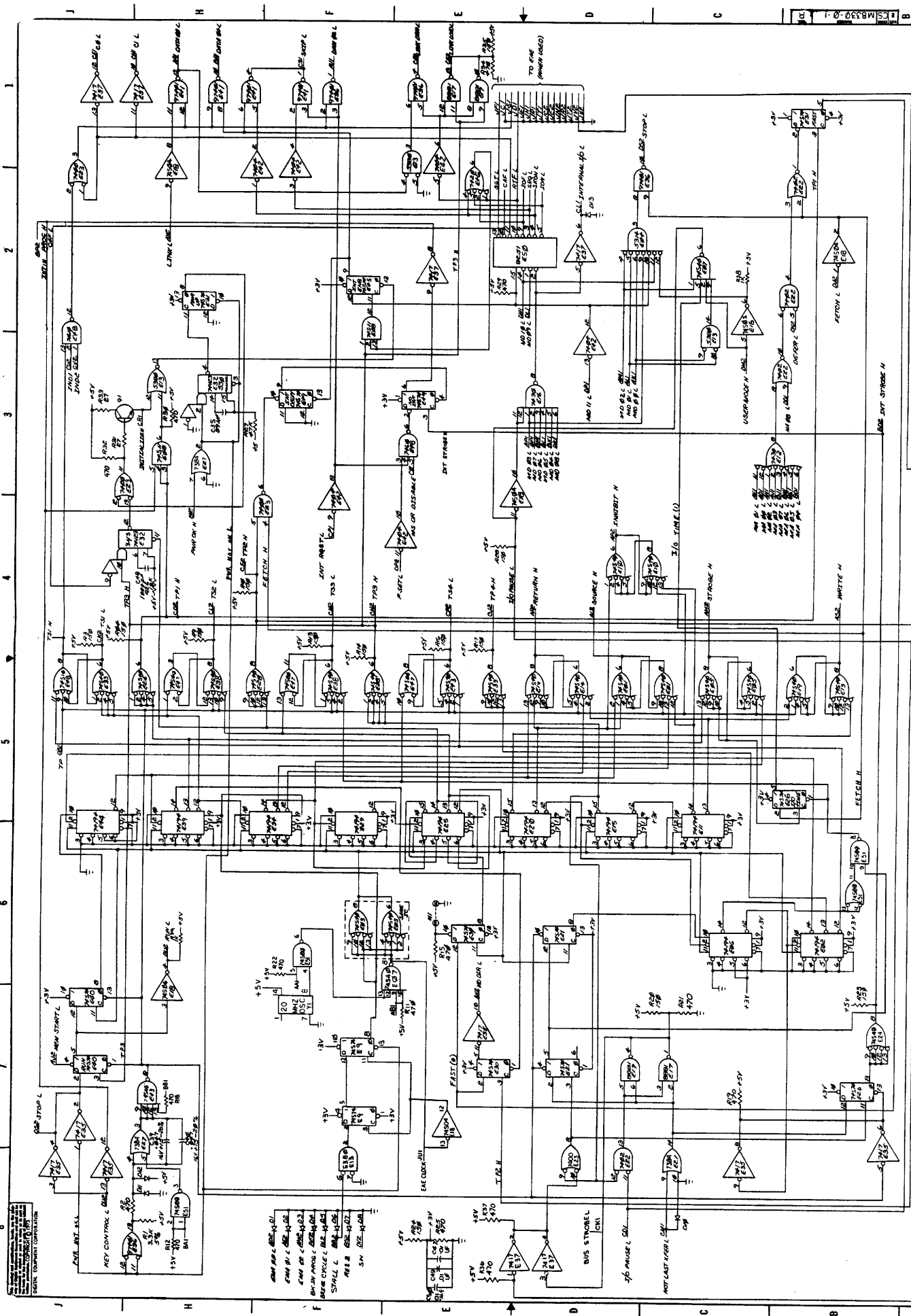
ITEM NO.	DESCRIPTION	QTY	REF. NO.
53	100UF 16V 20%	1	C24
54	100UF 16V 20%	1	C25
55	100UF 16V 20%	1	C26
56	100UF 16V 20%	1	C27
57	100UF 16V 20%	1	C28
58	100UF 16V 20%	1	C29
59	100UF 16V 20%	1	C30
60	100UF 16V 20%	1	C31
61	100UF 16V 20%	1	C32
62	100UF 16V 20%	1	C33
63	100UF 16V 20%	1	C34
64	100UF 16V 20%	1	C35
65	100UF 16V 20%	1	C36
66	100UF 16V 20%	1	C37
67	100UF 16V 20%	1	C38
68	100UF 16V 20%	1	C39
69	100UF 16V 20%	1	C40
70	100UF 16V 20%	1	C41
71	100UF 16V 20%	1	C42
72	100UF 16V 20%	1	C43
73	100UF 16V 20%	1	C44
74	100UF 16V 20%	1	C45
75	100UF 16V 20%	1	C46
76	100UF 16V 20%	1	C47
77	100UF 16V 20%	1	C48
78	100UF 16V 20%	1	C49
79	100UF 16V 20%	1	C50
80	100UF 16V 20%	1	C51
81	100UF 16V 20%	1	C52
82	100UF 16V 20%	1	C53
83	100UF 16V 20%	1	C54
84	100UF 16V 20%	1	C55
85	100UF 16V 20%	1	C56
86	100UF 16V 20%	1	C57
87	100UF 16V 20%	1	C58
88	100UF 16V 20%	1	C59
89	100UF 16V 20%	1	C60
90	100UF 16V 20%	1	C61
91	100UF 16V 20%	1	C62
92	100UF 16V 20%	1	C63
93	100UF 16V 20%	1	C64
94	100UF 16V 20%	1	C65
95	100UF 16V 20%	1	C66
96	100UF 16V 20%	1	C67
97	100UF 16V 20%	1	C68
98	100UF 16V 20%	1	C69
99	100UF 16V 20%	1	C70
100	100UF 16V 20%	1	C71
101	100UF 16V 20%	1	C72
102	100UF 16V 20%	1	C73
103	100UF 16V 20%	1	C74
104	100UF 16V 20%	1	C75
105	100UF 16V 20%	1	C76
106	100UF 16V 20%	1	C77
107	100UF 16V 20%	1	C78
108	100UF 16V 20%	1	C79
109	100UF 16V 20%	1	C80
110	100UF 16V 20%	1	C81
111	100UF 16V 20%		

REV	1	DATE	10/1/70
REV	2	DATE	10/1/70
REV	3	DATE	10/1/70
REV	4	DATE	10/1/70
REV	5	DATE	10/1/70
REV	6	DATE	10/1/70
REV	7	DATE	10/1/70
REV	8	DATE	10/1/70

DESCRIPTION	TIMING GENERATOR
COMPONENT	CS/M330-0-1
ISSUE	1
DATE	10/1/70
BY	
CHECKED	
APPROVED	
REVISIONS	

REVISION NO.	1
DESCRIPTION	
DATE	
BY	
CHECKED	
APPROVED	

REV	1	DATE	10/1/70
REV	2	DATE	10/1/70
REV	3	DATE	10/1/70
REV	4	DATE	10/1/70
REV	5	DATE	10/1/70
REV	6	DATE	10/1/70
REV	7	DATE	10/1/70
REV	8	DATE	10/1/70



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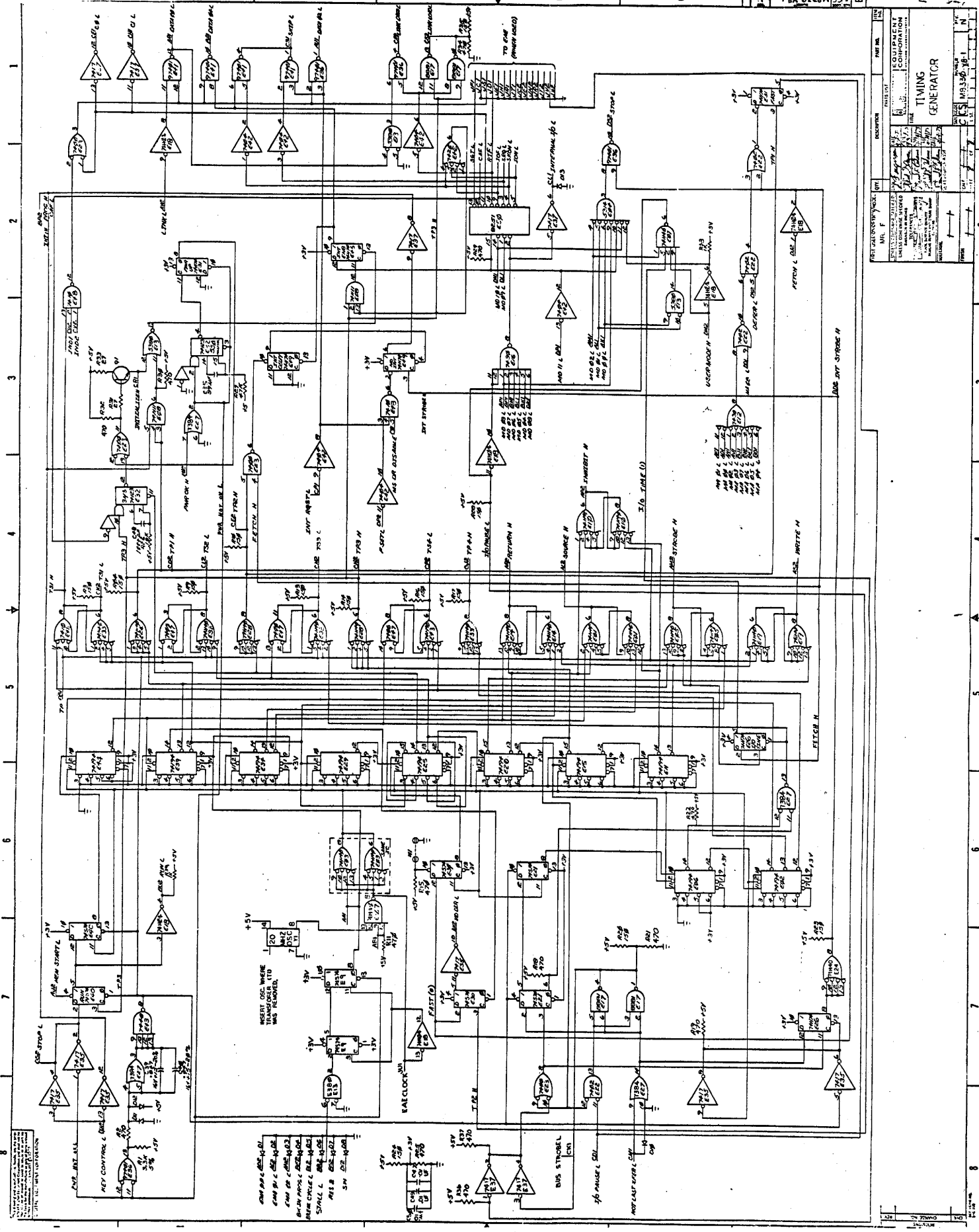
RESISTOR TOLERANCE
UNLESS OTHERWISE SPECIFIED

5V
10V
15V
20V
30V
40V
50V
60V
70V
80V
90V
100V

7550
7400
7401
7402
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7500

RESISTOR TOLERANCE
UNLESS OTHERWISE SPECIFIED

5V
10V
15V
20V
30V
40V
50V
60V
70V
80V
90V
100V



TIMING GENERATOR

REVISIONS: 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, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, 887, 888, 889, 890, 891, 892, 893, 894, 895, 896, 897, 898, 899, 900, 901, 902, 903, 904, 905, 906, 907, 908, 909, 910, 911, 912, 913, 914, 915, 916, 917, 918, 919, 920, 921, 922, 923, 924, 925, 926, 927, 928, 929, 930, 931, 932, 933, 934, 935, 936, 937, 938, 939, 940, 941, 942, 943, 944, 945, 946, 947, 948, 949, 950, 951, 952, 953, 954, 955, 956, 957, 958, 959, 960, 961, 962, 963, 964, 965, 966, 967, 968, 969, 970, 971, 972, 973, 974, 975, 976, 977, 978, 979, 980, 981, 982, 983, 984, 985, 986, 987, 988, 989, 990, 991, 992, 993, 994, 995, 996, 997, 998, 999, 1000.

KEY CONTROL C. QUALIFIED
BUS STROBE L
BUS PAUSE L
BUS RETURN L
BUS STORE L
BUS WRITE L

1. KEY CONTROL C. QUALIFIED
2. BUS STROBE L
3. BUS PAUSE L
4. BUS RETURN L
5. BUS STORE L
6. BUS WRITE L

7. KEY CONTROL C. QUALIFIED
8. BUS STROBE L
9. BUS PAUSE L
10. BUS RETURN L
11. BUS STORE L
12. BUS WRITE L

13. KEY CONTROL C. QUALIFIED
14. BUS STROBE L
15. BUS PAUSE L
16. BUS RETURN L
17. BUS STORE L
18. BUS WRITE L

19. KEY CONTROL C. QUALIFIED
20. BUS STROBE L
21. BUS PAUSE L
22. BUS RETURN L
23. BUS STORE L
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25. KEY CONTROL C. QUALIFIED
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27. BUS PAUSE L
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31. KEY CONTROL C. QUALIFIED
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37. KEY CONTROL C. QUALIFIED
38. BUS STROBE L
39. BUS PAUSE L
40. BUS RETURN L
41. BUS STORE L
42. BUS WRITE L