

87

1-0-1682W

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NOTES:

1. STARTING ADDRESS
(X = OFF)

DEC (K)	OCTAL	S2-1	S2-2	S2-3	S2-4	S2-5	S2-6	S2-7	S2-8	S2-9
0	00000000									
4	00020000									X
8	00040000									
12	00060000								X	
16	00100000							X	X	X
20	00120000							X		X
24	00140000							X	X	
28	00160000							X	X	X
32	00200000					X				
36	00220000					X				X
40	00240000					X		X		
44	00260000					X		X	X	
48	00300000					X	X			
52	00320000					X	X	X		X
56	00340000					X	X	X		
60	00360000					X	X	X	X	X
64	00400000				X					
68	00420000				X					X
72	00440000				X			X		
76	00460000				X			X	X	
80	00500000				X		X			
84	00520000				X		X			X
88	00540000				X		X	X		
92	00560000				X		X	X	X	X
96	00600000				X	X				
100	00620000				X	X				X
104	00640000				X	X		X		
108	00660000				X	X	X	X	X	
112	00700000				X	X	X			
116	00720000				X	X	X	X		X
120	00740000				X	X	X	X	X	
124	00760000				X	X	X	X	X	X

2. STARTING ADDRESS RANGE
(X = OFF)

DEC (K)	OCTAL	S2-1	S2-2	S2-3	S2-4	S2-5	S2-6	S2-7	S2-8	S2-9
128-252	01000000-01760000					X				
256-380	02000000-02760000					X				
384-508	03000000-03760000					X	X			
512-636	04000000-04760000		X							
640-764	05000000-05760000		X			X				
768-892	06000000-06760000		X	X						
896-1020	07000000-07760000		X	X	X					
1024-1148	10000000-10760000	X								
1152-1276	11000000-11760000	X								X
1280-1404	12000000-12760000	X			X					
1408-1532	13000000-13760000	X			X	X				
1536-1660	14000000-14760000	X	X							
1664-1788	15000000-15760000	X	X			X				
1792-1916	16000000-16760000	X	X	X						
1920-2044	17000000-17760000	X	X	X	X					

TO OBTAIN INCREMENTAL 4K BOUNDARIES WITHIN THE SPECIFIED RANGE, REPEAT SWITCH SETTINGS FROM THE 0-124 K TABLE.
I.E.
S.A. = 260 K
S2-3 = X = OFF
S2-9 = X = OFF

3. EUB CSR ADDRESS MOD UNIBUS CSR ADDRESS SWITCH SETTING (X = OFF)

OCTAL	OCTAL	SI-1	SI-2	SI-3	SI-4
17772100	772100				
17772102	772102				
17772104	772104				X
17772106	772106			X	X
17772110	772110		X		
17772112	772112		X		X
17772114	772114		X	X	
17772116	772116		X	X	X
17772120	772120	X			
17772122	772122	X			X
17772124	772124	X		X	
17772126	772126	X		X	X
17772130	772130	X	X		
17772132	772132	X	X		X
17772134	772134	X	X	X	
17772136	772136	X	X	X	X

4. OPTION DESIGNATION PRIMARY VARIATION SYSTEM DESCRIPTION

MS11-LA	M7891-AA	32K X 18 BITS
MS11-LB	M7891-BA	64K X 18 BITS
MS11-LC	M7891-CA	96K X 18 BITS
MS11-LD	M7891-DA	128K X 18 BITS

5. BUS VOLTAGE JUMPER

BUS VOLTAGE	WI	W2
+12V	IN	OUT
+15V	OUT	IN

6. BUS VOLTAGE JUMPER

BUS VOLTAGE	W3	W7
+5V	IN	OUT
+5BBU	OUT	IN

7. PERIPHERAL PAGE SIZE JUMPER

PERIPHERAL PAGE SIZE	W5	W21
2K	IN	IN
4K	OUT	IN
8K	OUT	OUT

8. FUNCTION JUMPER

FUNCTION	WI0	WI1	WI2
NORMAL	IN	IN	IN
ROW ADDR DISABLE	IN	IN	OUT
COL ADDR DISABLE	IN	OUT	IN
REF ADDR DISABLE	OUT	IN	IN

9. FUNCTION JUMPER

FUNCTION	WI3	WI4	WI5	WI6
NORMAL	IN	IN	IN	IN
LAT DATA DISABLE	OUT	IN	IN	IN
CSR DATA DISABLE	IN	OUT	IN	IN
CSR DATA DISABLE	IN	IN	OUT	IN
X-ADDR DISABLE	IN	IN	IN	OUT

10. TYPE JUMPER

MOD UNIBUS	W4
EUB	IN

11. FUNCTION JUMPER

FUNCTION	W20
NORMAL	IN
SSYN DISABLE	OUT

12. IC TYPE

IC TYPE	+5V	GND	+12V	-5V
MOS	9	16	8	1
74S00	14	7		
74S10	14	7		
74S11	14	7		
74S20	14	7		
74S03	14	7		
74S74	14	7		
74S74-01	14	7		
74S158	16	8		
74LS175	16	8		
8640	8	1		
8641	16	8		
74S280	14	7		
74138	16	8		
555			1	8
74S02	14	7		
74S08	14	7		
74S37	14	7		
74LS10	14	7		
74LS85	16	8		
74LS298	16	8		
74S32	14	7		
74S240	20	10		
74LS240	20	10		
74S373	20	10		
74S30	14	7		
74LS393	14	7		
74LS244	20	10		
74LS373	20	10		
74S133	16	8		
1K X 4 PROM	18	9		
256 X 4 PROM	16	8		

13. SIGNAL NAMES WILL BE REFERENCED AS FOLLOWS:

[X] SIGNAL NAME [Y/Z]

NUMBER OF CONNECTION POINTS ON DESTINATION SHEET.

DESTINATION SHEET NUMBER.

SOURCE SHEET NUMBER.

14. * INDICATES BATTERY BACK UP (+5V CR)

• INDICATES .125 PAD ON SIDES 1 AND 2.

⊙ INDICATES WIRE WRAP PINS AND TEST POINTS.

15. RESISTORS ARE 5% UNLESS OTHERWISE SPECIFIED.

16. SOME .47 UFD AND .01 UFD ARE NOT USED ON THE AA, BA, CA PRIMARY VARIATIONS.

17. FOR -5V TEST OPERATION W22 IS IN AND W23 IS OUT, FOR -15V OR -12V OPERATION W22 IS OUT AND W23 IS IN.

18. W24 AND W25 ARE FOR FUTURE USE.

REVISIONS

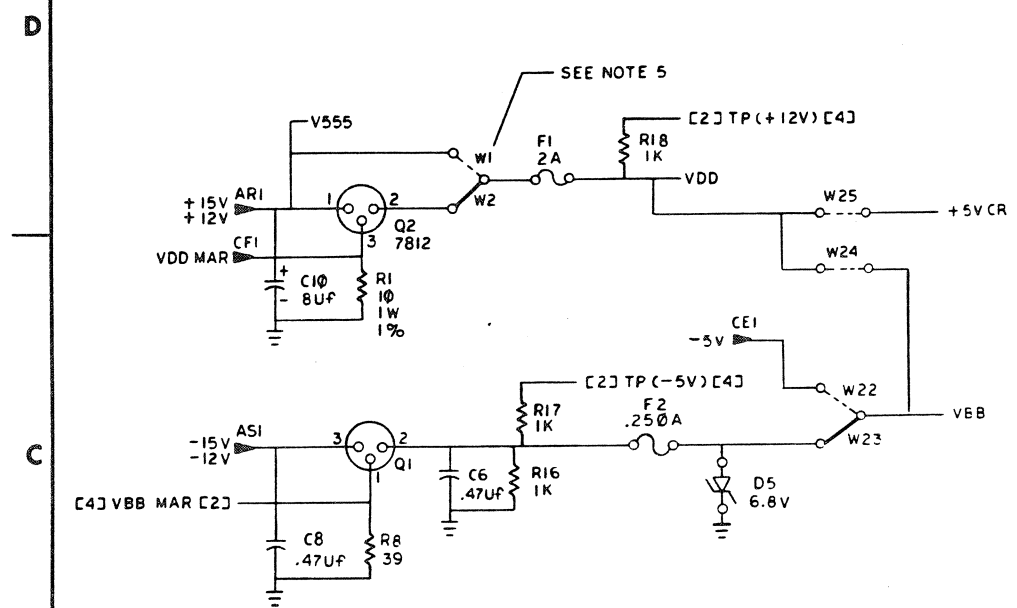
REV	DATE	BY	CHK	DESCRIPTION
1	6-30-78	R. GIVEN	R. GIVEN	INITIAL DESIGN
2	9-14-78	R. GIVEN	R. GIVEN	REVISION 1
3	9-28-78	R. GIVEN	R. GIVEN	REVISION 2
4	9-28-78	R. GIVEN	R. GIVEN	REVISION 3
5	9-28-78	R. GIVEN	R. GIVEN	REVISION 4
6	9-28-78	R. GIVEN	R. GIVEN	REVISION 5
7	9-28-78	R. GIVEN	R. GIVEN	REVISION 6
8	9-28-78	R. GIVEN	R. GIVEN	REVISION 7
9	9-28-78	R. GIVEN	R. GIVEN	REVISION 8
10	9-28-78	R. GIVEN	R. GIVEN	REVISION 9
11	9-28-78	R. GIVEN	R. GIVEN	REVISION 10
12	9-28-78	R. GIVEN	R. GIVEN	REVISION 11
13	9-28-78	R. GIVEN	R. GIVEN	REVISION 12
14	9-28-78	R. GIVEN	R. GIVEN	REVISION 13
15	9-28-78	R. GIVEN	R. GIVEN	REVISION 14
16	9-28-78	R. GIVEN	R. GIVEN	REVISION 15
17	9-28-78	R. GIVEN	R. GIVEN	REVISION 16
18	9-28-78	R. GIVEN	R. GIVEN	REVISION 17
19	9-28-78	R. GIVEN	R. GIVEN	REVISION 18
20	9-28-78	R. GIVEN	R. GIVEN	REVISION 19
21	9-28-78	R. GIVEN	R. GIVEN	REVISION 20

19. 128K X 18 BIT MOS MEM

SIZE	CODE	NUMBER	REV.
128K	D	CS M7891-0-1	E

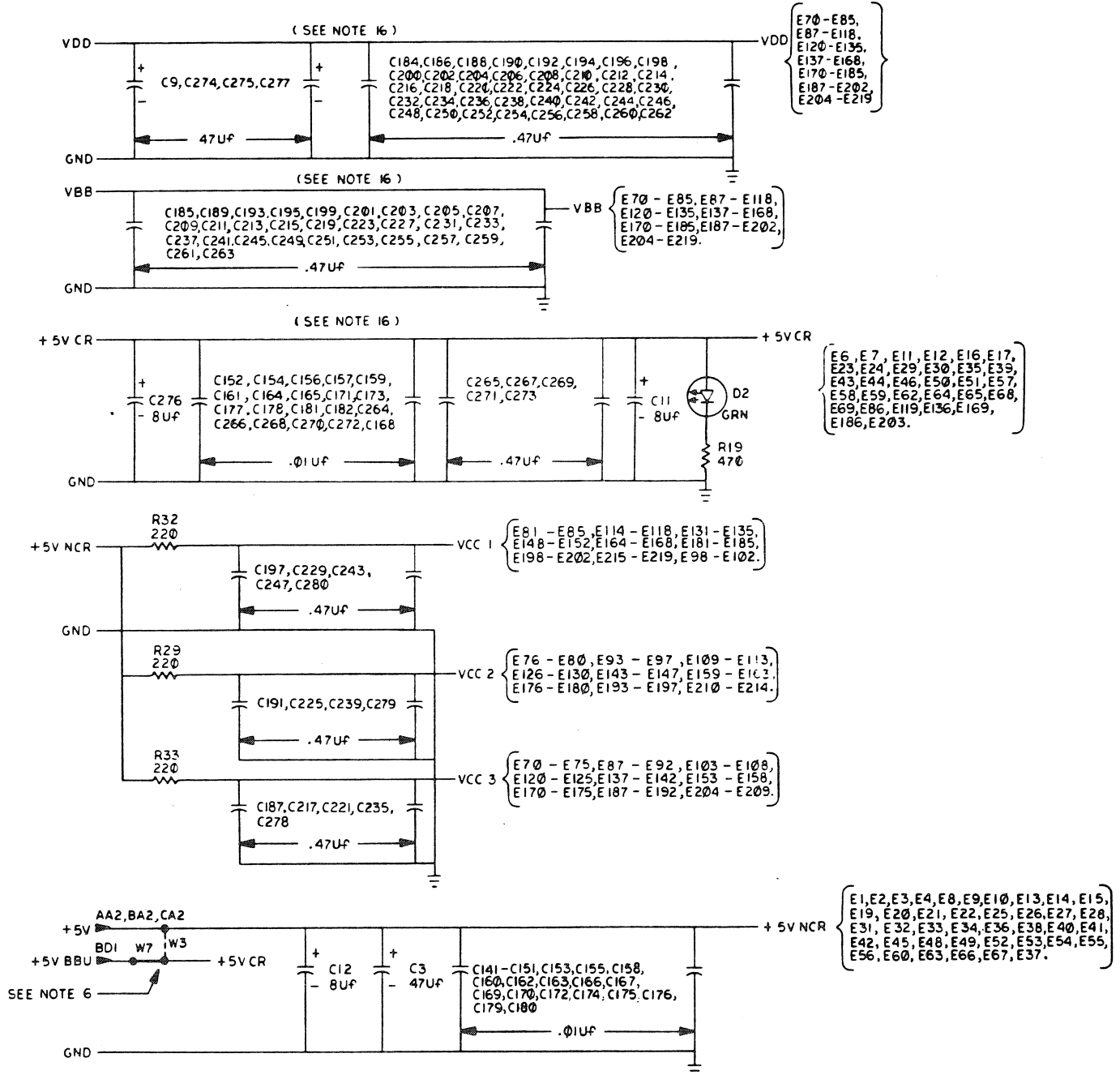
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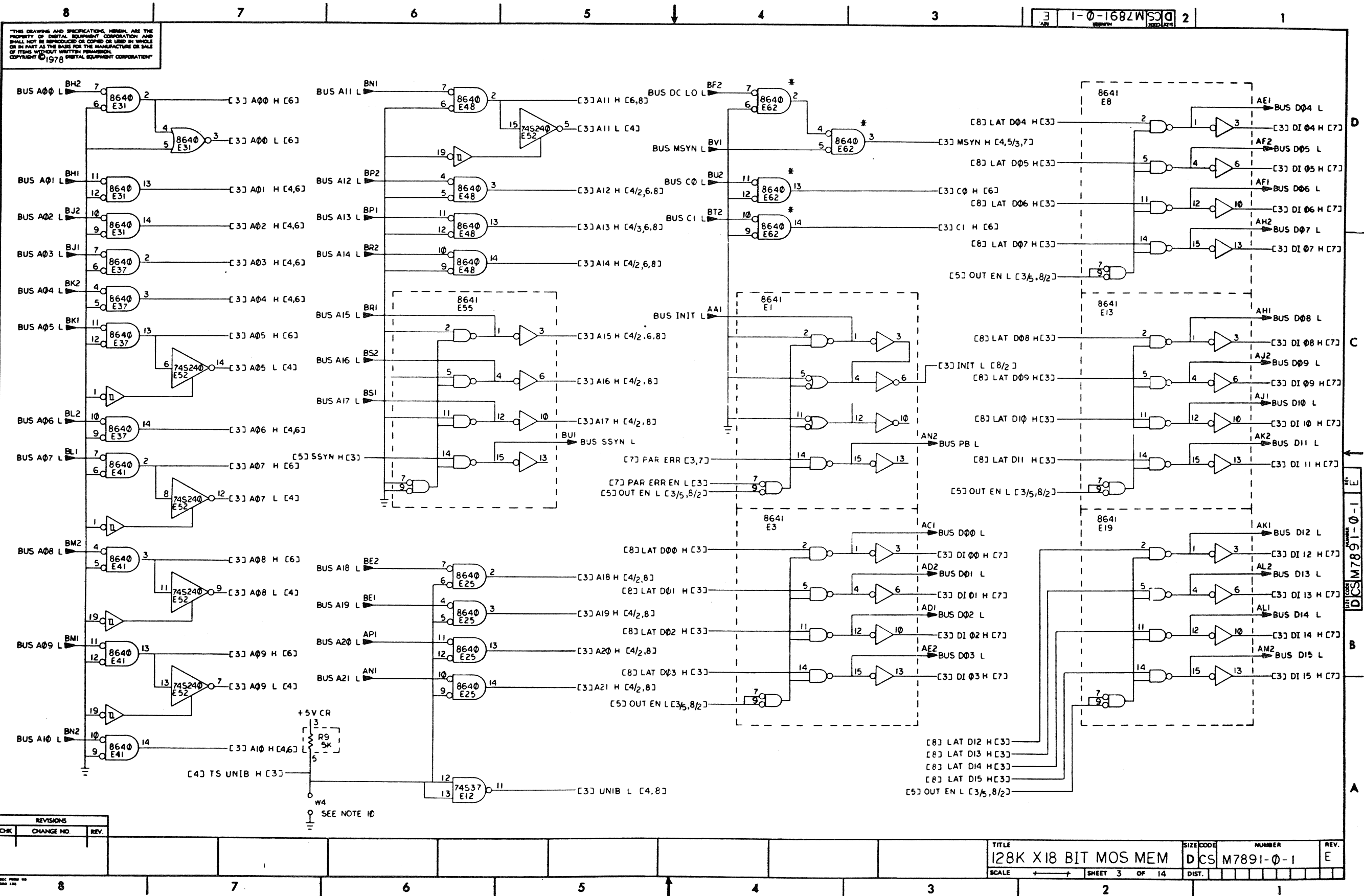
AC2, AT1, BC2, BT1,
CC2, CT1, DC2, DT1,
EC2, ET1, FC2, FT1

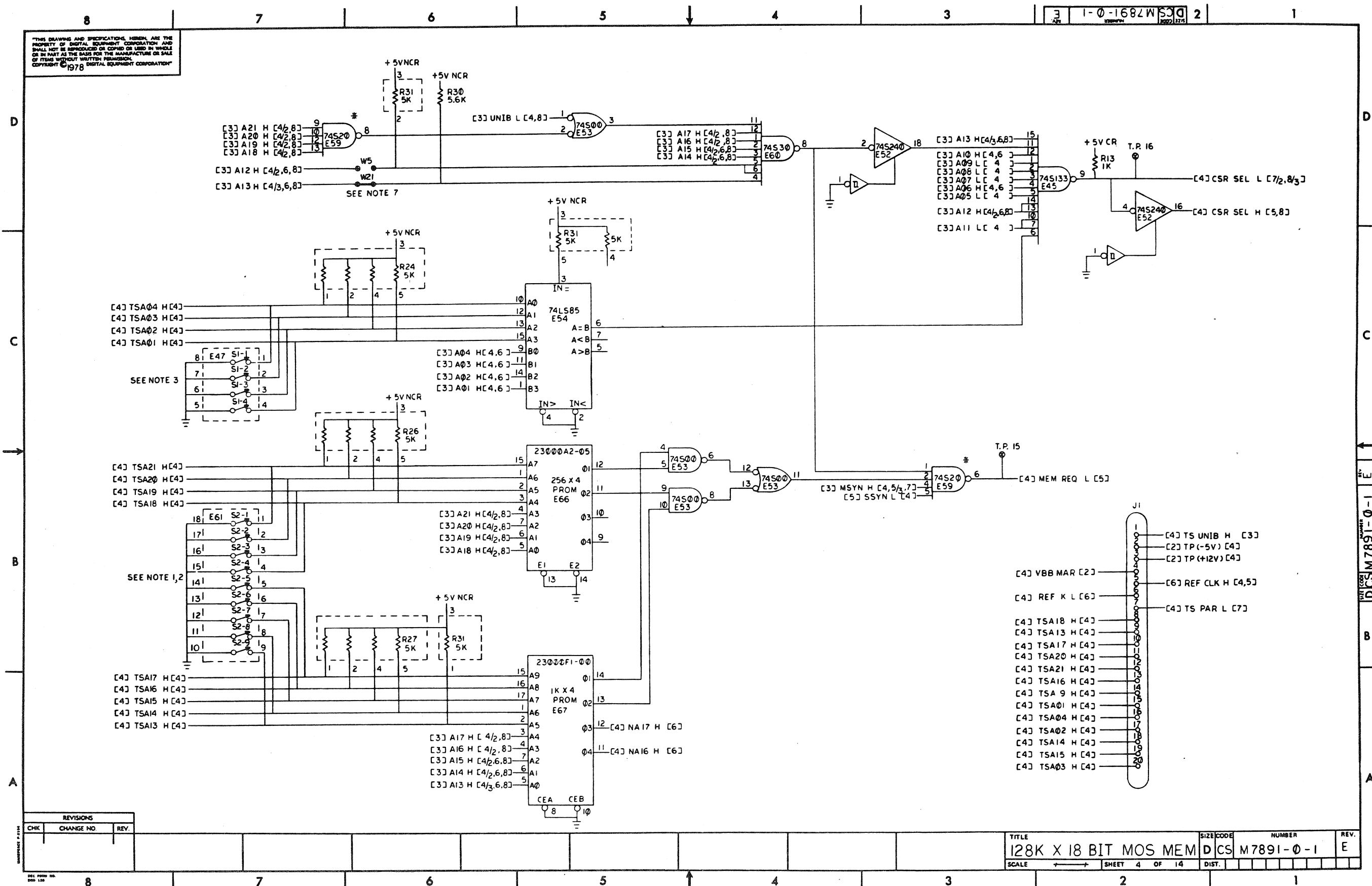
BUS GRANT LINES
DK2 DL2
DP2 DR2
DM2 DN2
DS2 DT2
CA1 CB1

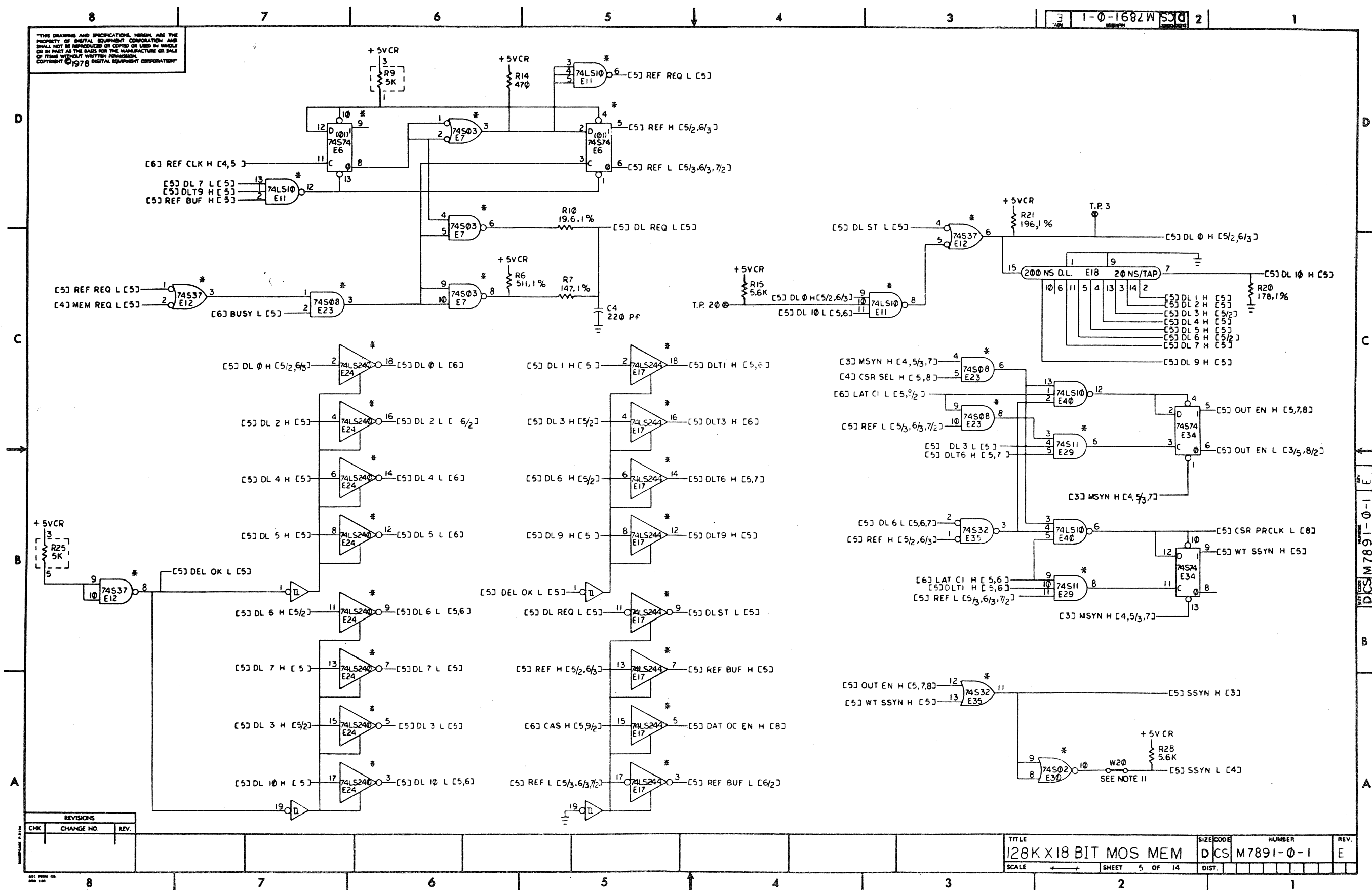


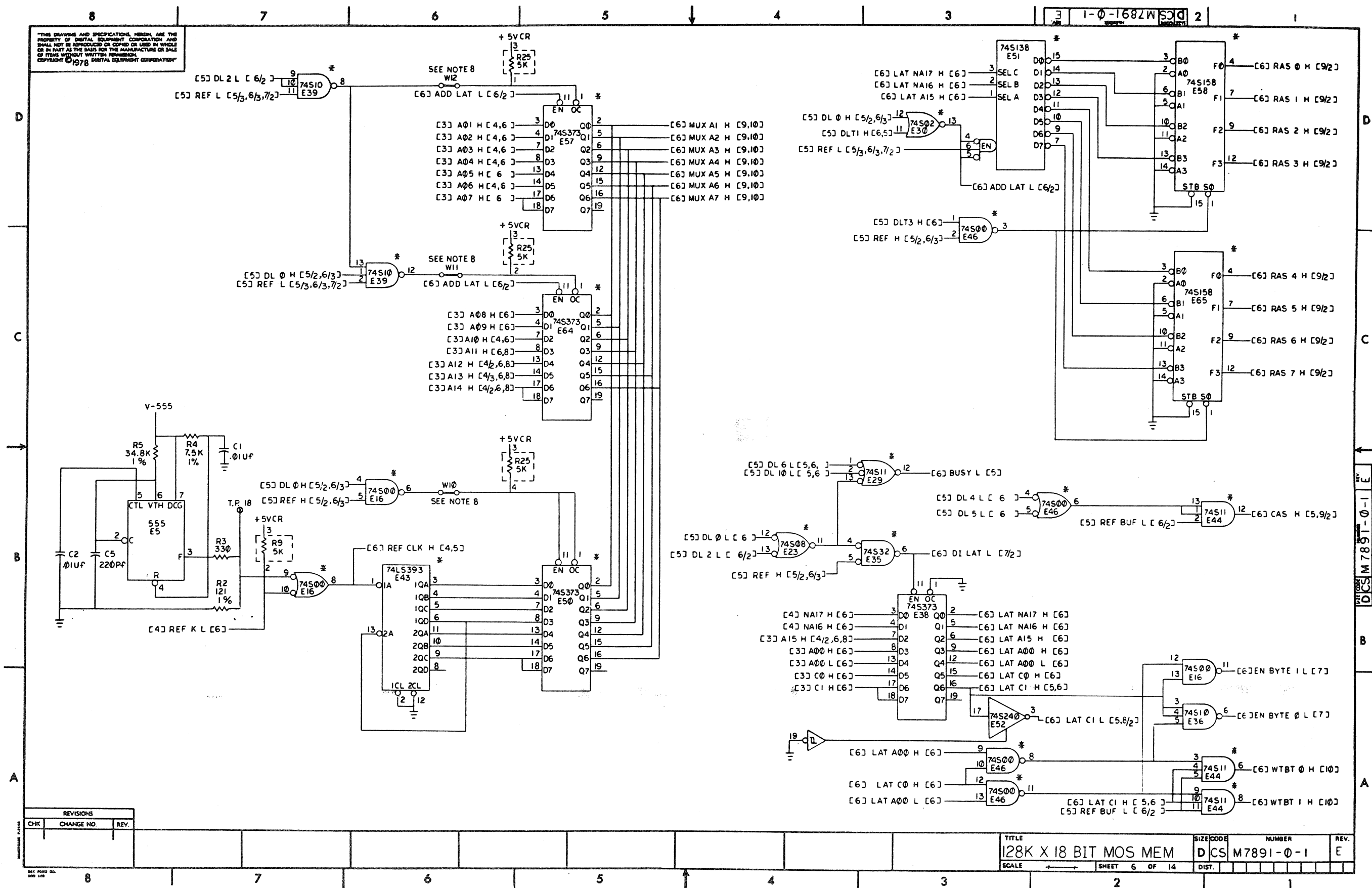
REV.	CHANGE NO.
1	1

128K X 18 BIT MOS MEM	SIZE	CODE	NUMBER	REV.
	D	CS	M7891-0-1	E
SCALE	SHEET	2 OF 14	DIST.	

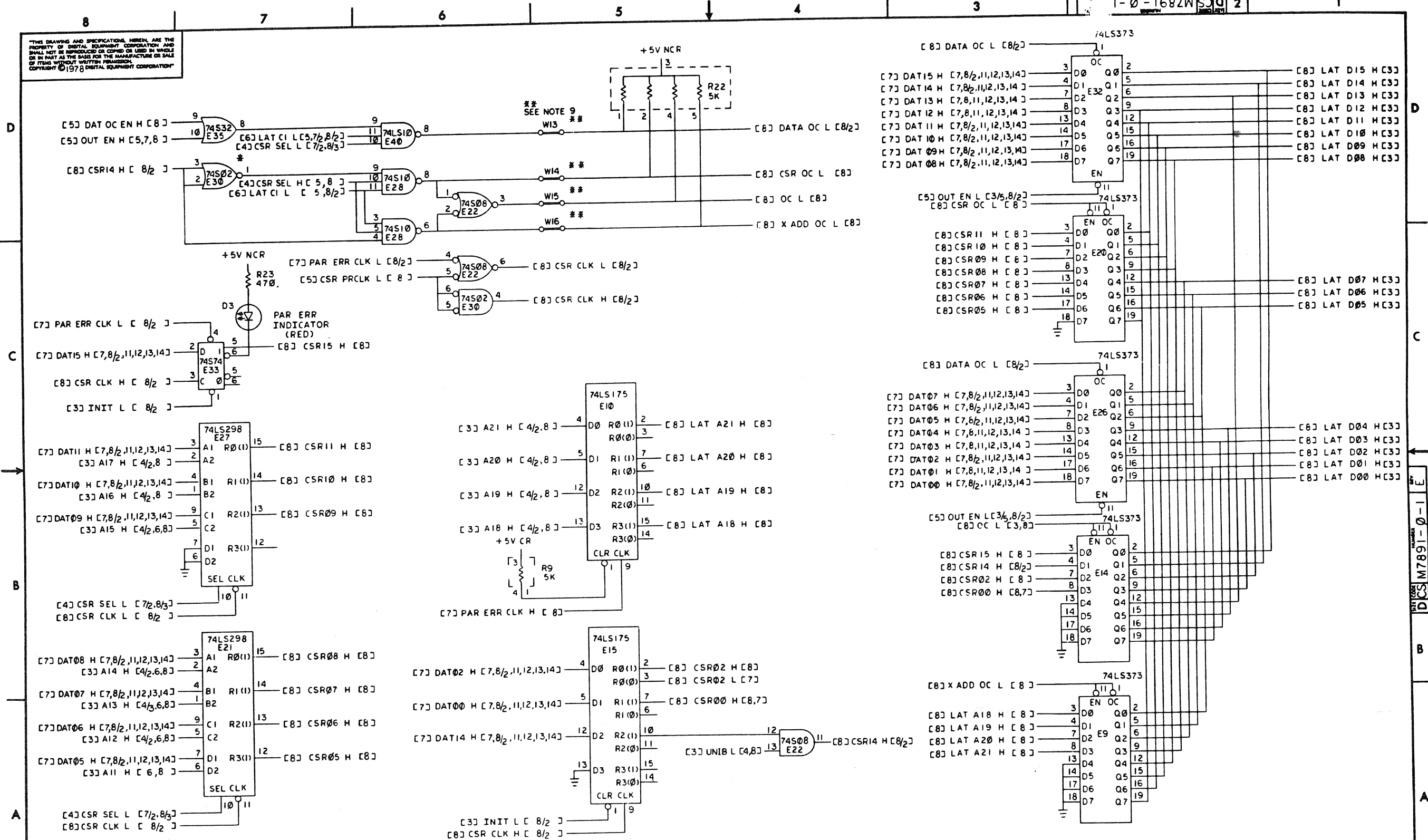








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REVISIONS		
CHK	CHANGE NO.	REV.

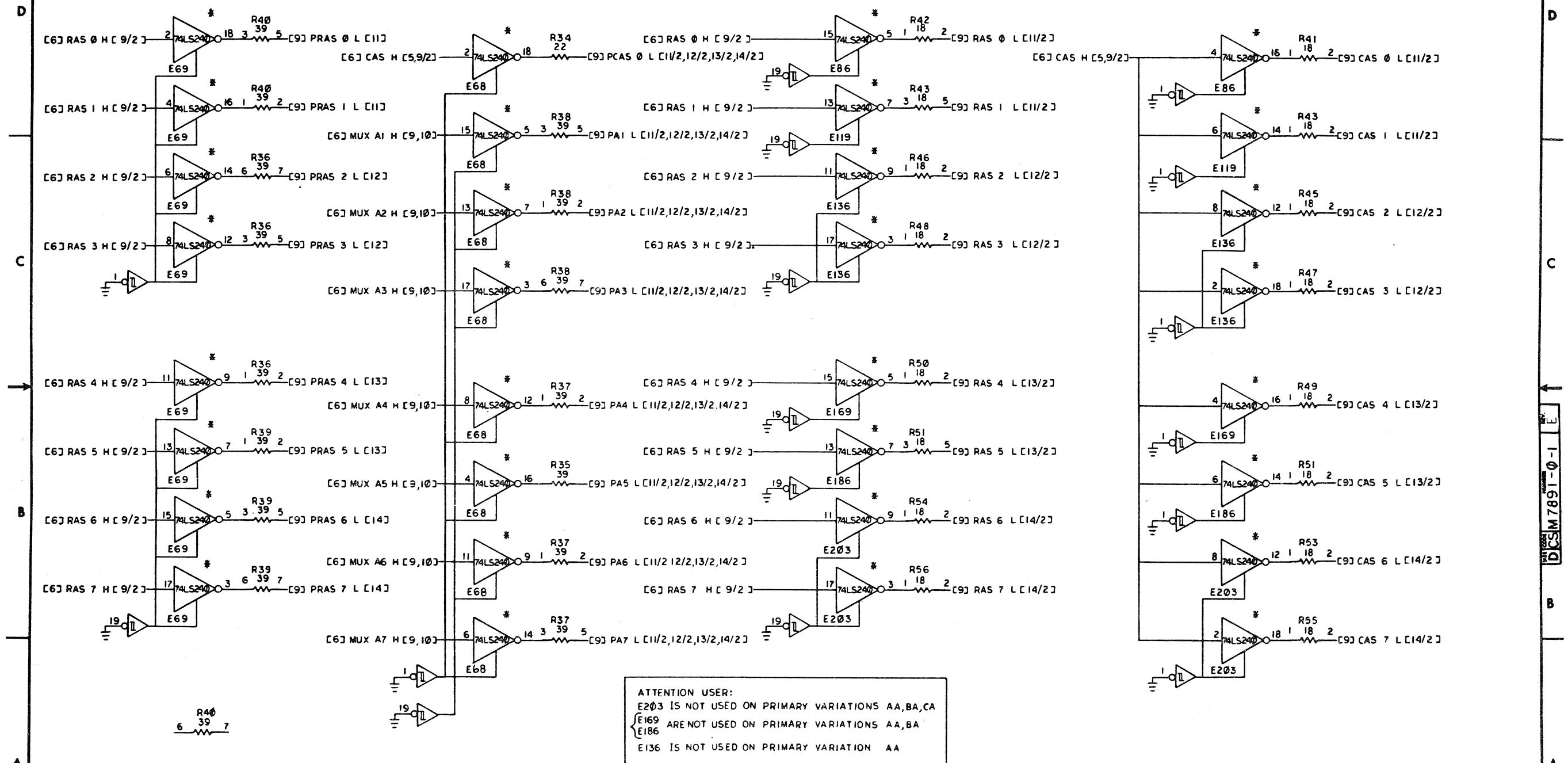
ENC 1000 000 100

TITLE		SIZE CODE	NUMBER	REV.
128K X 18 BIT MOS MEM		D CS	M7891-0-1	E
SCALE	SHEET 8 OF 14	DIST.		

56

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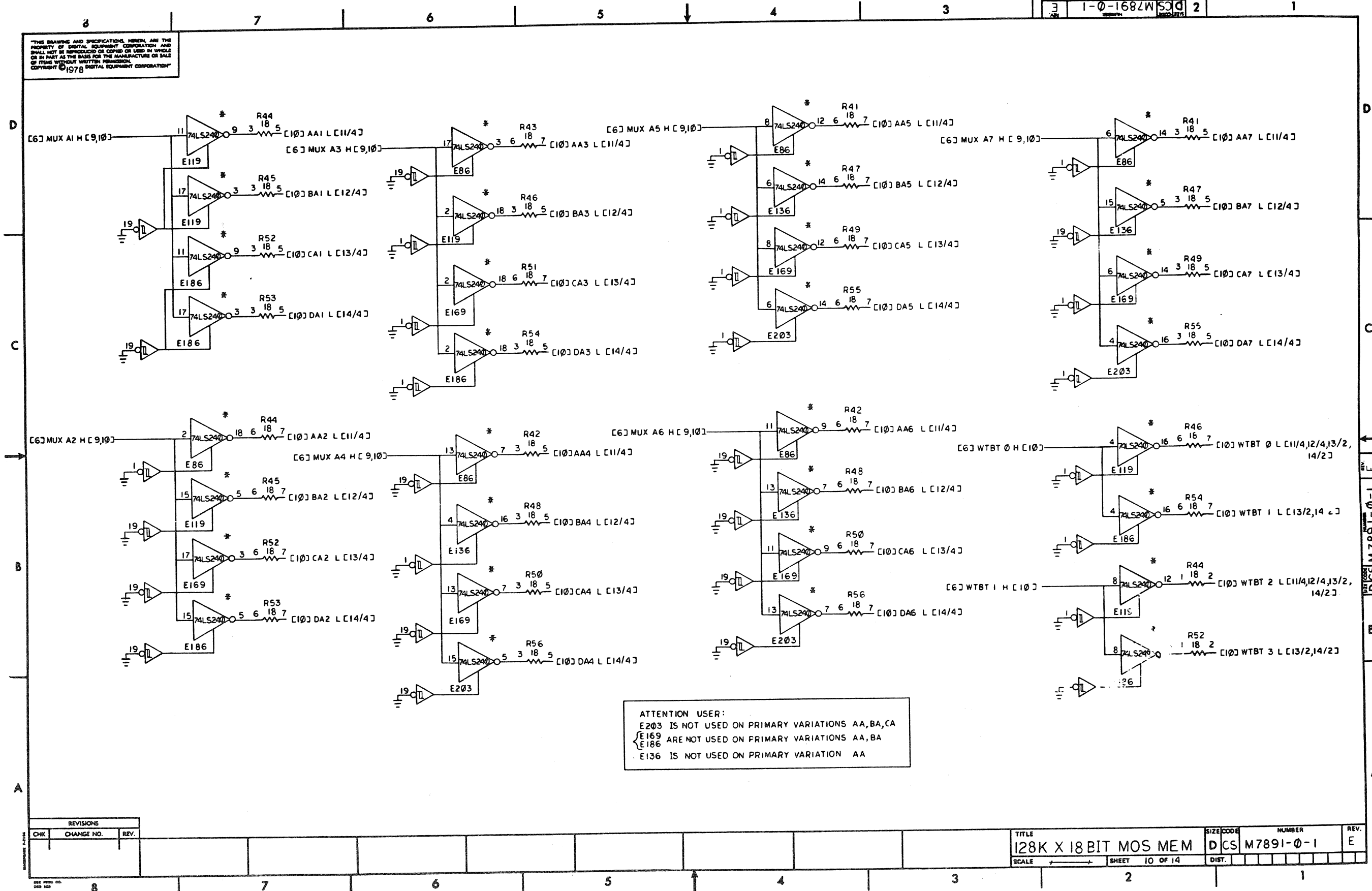
NOTE:
R36 THRU R56 PIN 4 GOES TO +5V



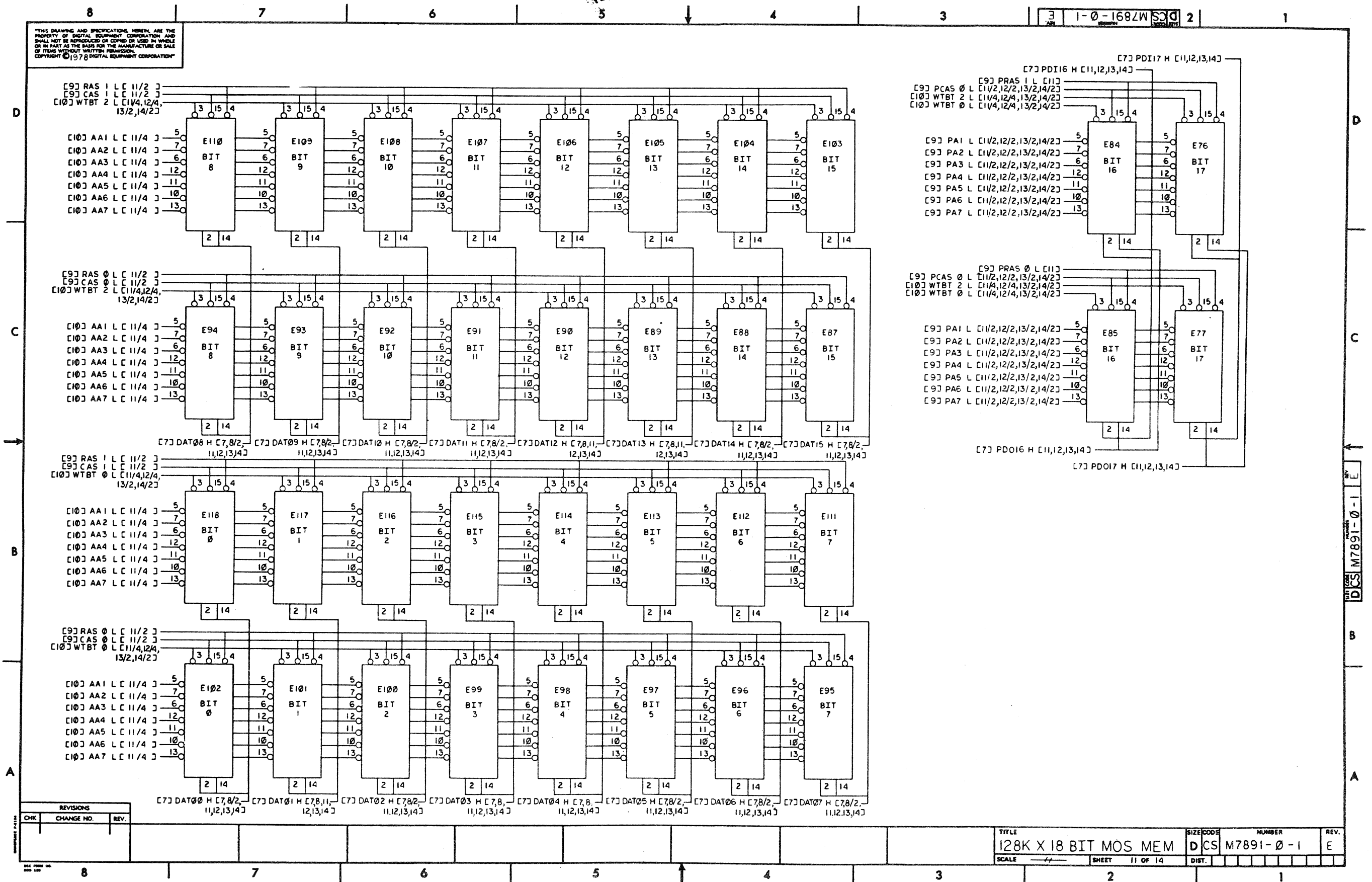
ATTENTION USER:
E203 IS NOT USED ON PRIMARY VARIATIONS AA,BA,CA
E169 ARE NOT USED ON PRIMARY VARIATIONS AA,BA
E186 IS NOT USED ON PRIMARY VARIATION AA

REVISIONS			TITLE		SIZE CODE		NUMBER		REV.	
CHK	CHANGE NO.	REV.	128K X 18 BIT MOS MEM		DCS M7891-0-1		9 OF 14		E	
			SCALE		SHEET		DIST.			

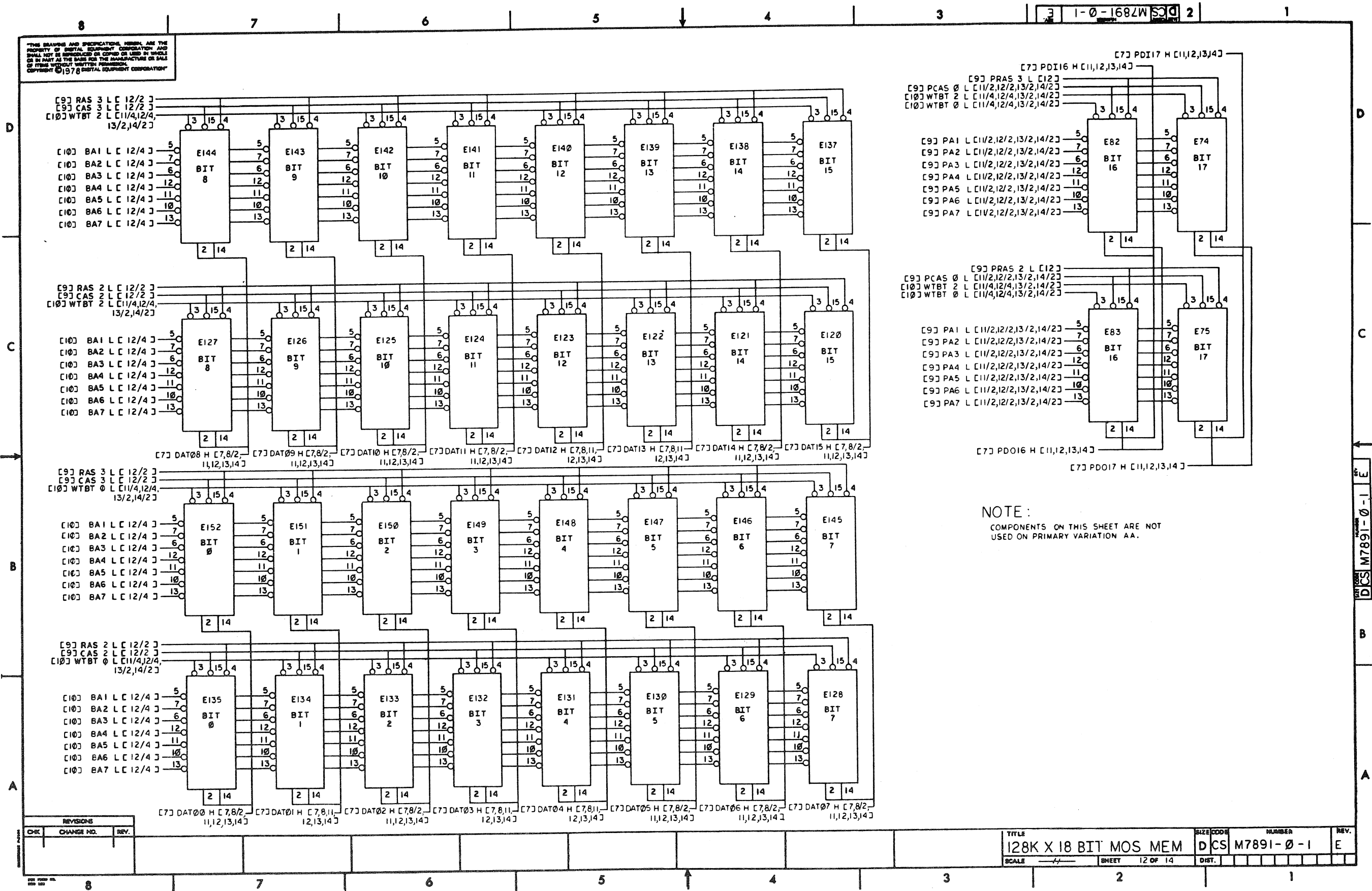
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ATTENTION USER:
E203 IS NOT USED ON PRIMARY VARIATIONS AA,BA,CA
E169 ARE NOT USED ON PRIMARY VARIATIONS AA,BA
E136 IS NOT USED ON PRIMARY VARIATION AA



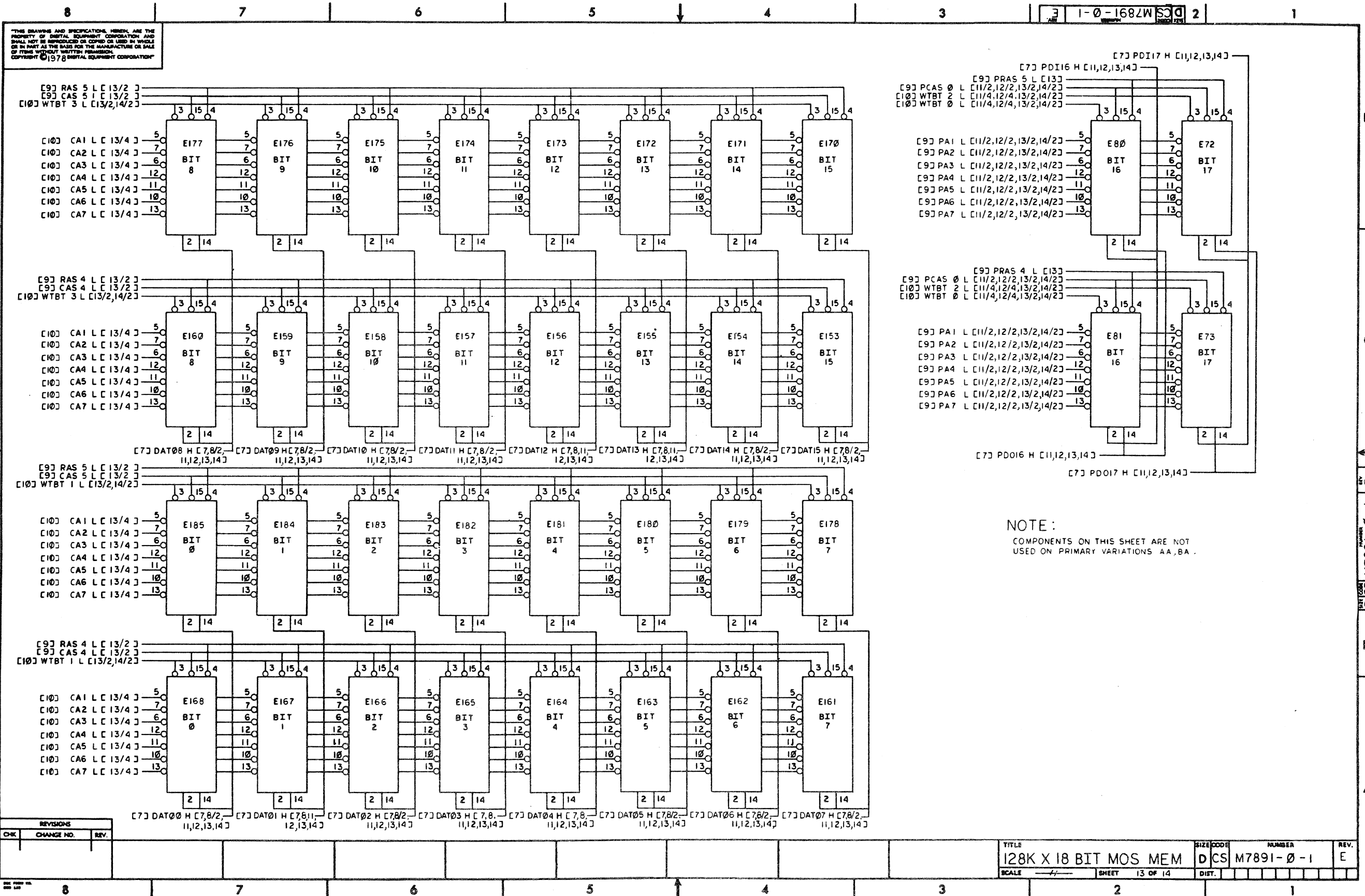
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NOTE:
COMPONENTS ON THIS SHEET ARE NOT
USED ON PRIMARY VARIATION AA.

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE CODE		NUMBER		REV.	
128K X 18 BIT MOS MEM		DCS		M7891-0-1		E	
SCALE		SHEET		12 OF 14		DST.	



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