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FIELD MAINTENANCE PRINT SET

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CORPORATION."

TABLE OF CONTENTS

B-TC-ADV11-A-1	ADV11-A PRINT SET
	TABLE OF CONTENTS
B-DD-ADV11-A	A/D FOR 1103
A-PL-ADV11-A-Ø	A/D FOR 1103
D-UA-AØ12-Ø-Ø	A/D FOR 1103 (MODULE)
A-PL-AØ12-Ø-Ø	A/D FOR 1103
D-CS-AØ12-Ø-1	A/D FOR 1103
A-PL-ADV11-A-SL	SHIP LIST ADV11-A

UNIT VARIATIONS COVERED BY THIS PRINT SET

ADV11-A

ADV11-A
Field Maintenance
Print Set

Digital Equipment
Corporation

PRINT SET ORDER NO.
MPØØ193

REVISIONS	REV.		USED ON OPTION/MODEL	ADV11-A	DRN. R.W. Counter	DATE 16 Aug 76	TITLE: A/D FOR 1103	digital
	CHG. NO.				CHK'D [Signature]	DATE 20 Aug 76		
					PROJ. ENG. [Signature]	DATE 20 Aug 76		
					FIELD SERV. D Garcia	DATE 20 Aug 76		
	DATE							
			SHEET I OF I					
					SIZE B	CODE TC	NUMBER ADV11-A-1	REV.
					DIST.			

EN-01124-16-N676-132

FIELD MAINTENANCE

TABLE OF CONTENTS

SECTION I
1.000

SECTION II
2.000

11/11/11

END

DRAWING DIRECTORY

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VAR

TITLE

ADV11-A

A/D FOR 1103

CHANGE NO.	REV.	USED ON OPTION/MODEL	ADV11-A	DRN. RW. Counter	DATE 13 AUG 76	TITLE		digit											
				CHK'D. [Signature]	DATE 20 AUG 76	A/D FOR 1103													
CHK		PROJ. ENG. [Signature]		DATE 20 AUG 76	SIZE B	CODE DD	NUMBER ADV11-A		REV										
				DATE 20 AUG 76	DIST.														
		SHEET 1 OF 2		PROD. [Signature]	DATE 20 AUG 76														

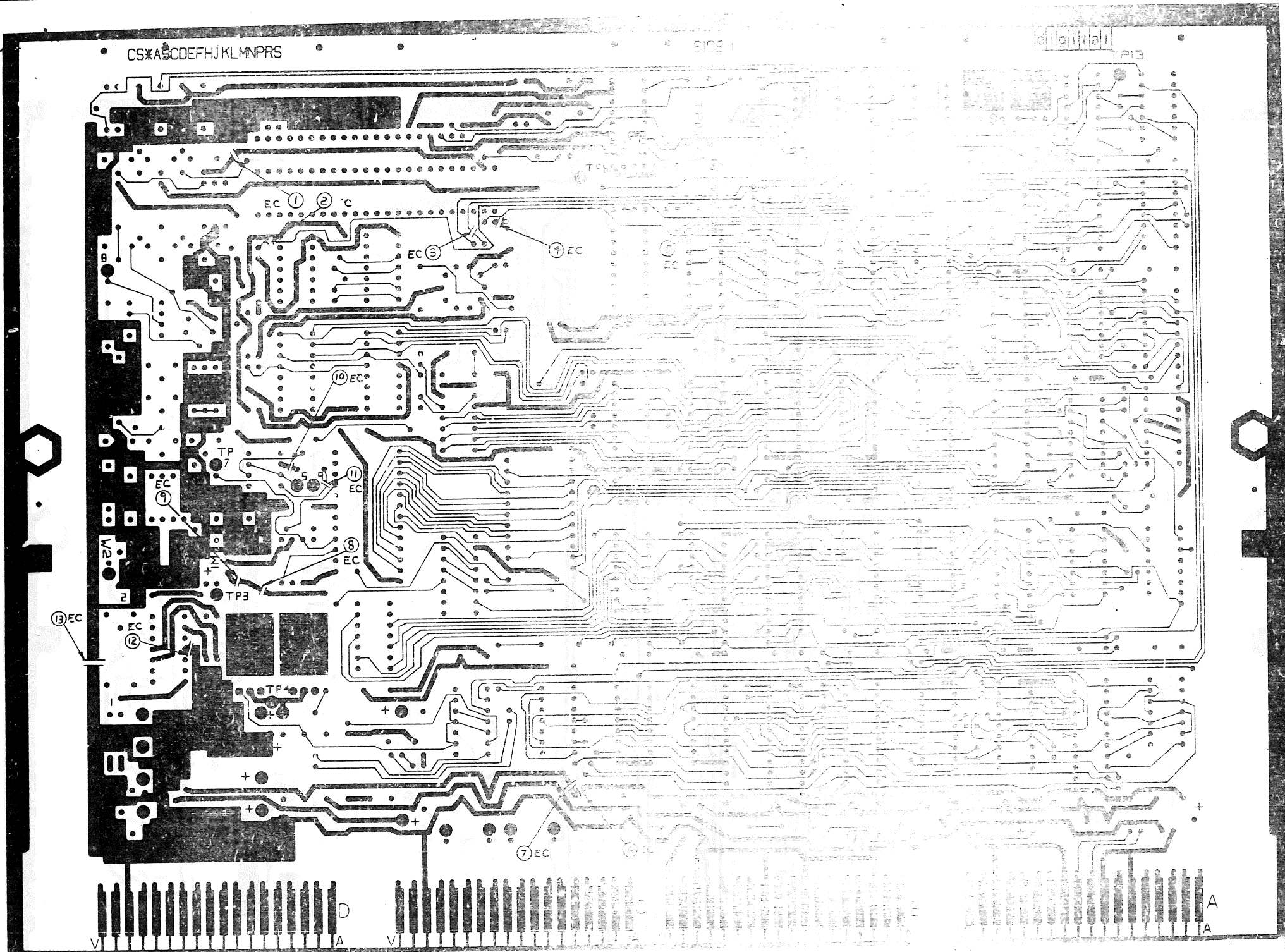
106A

*RUN WIRE FOR WA 21 AND 40 BETWEEN
J1 AND TOP OF RESISTORS.



SIGNATURES		DATE	digital
DRN. R. W. Custer	4 APR 78	TITLE A-D FOR 1103	
CHK'D <i>[Signature]</i>	21 APR 78		
ENG. <i>[Signature]</i>	6 JUL 78		
PROJ. ENG. <i>[Signature]</i>	6 JUL 78		
PROD. <i>[Signature]</i>	6 JUL 78		
SCALE 2/1			

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REV.	CHANGE	DATE

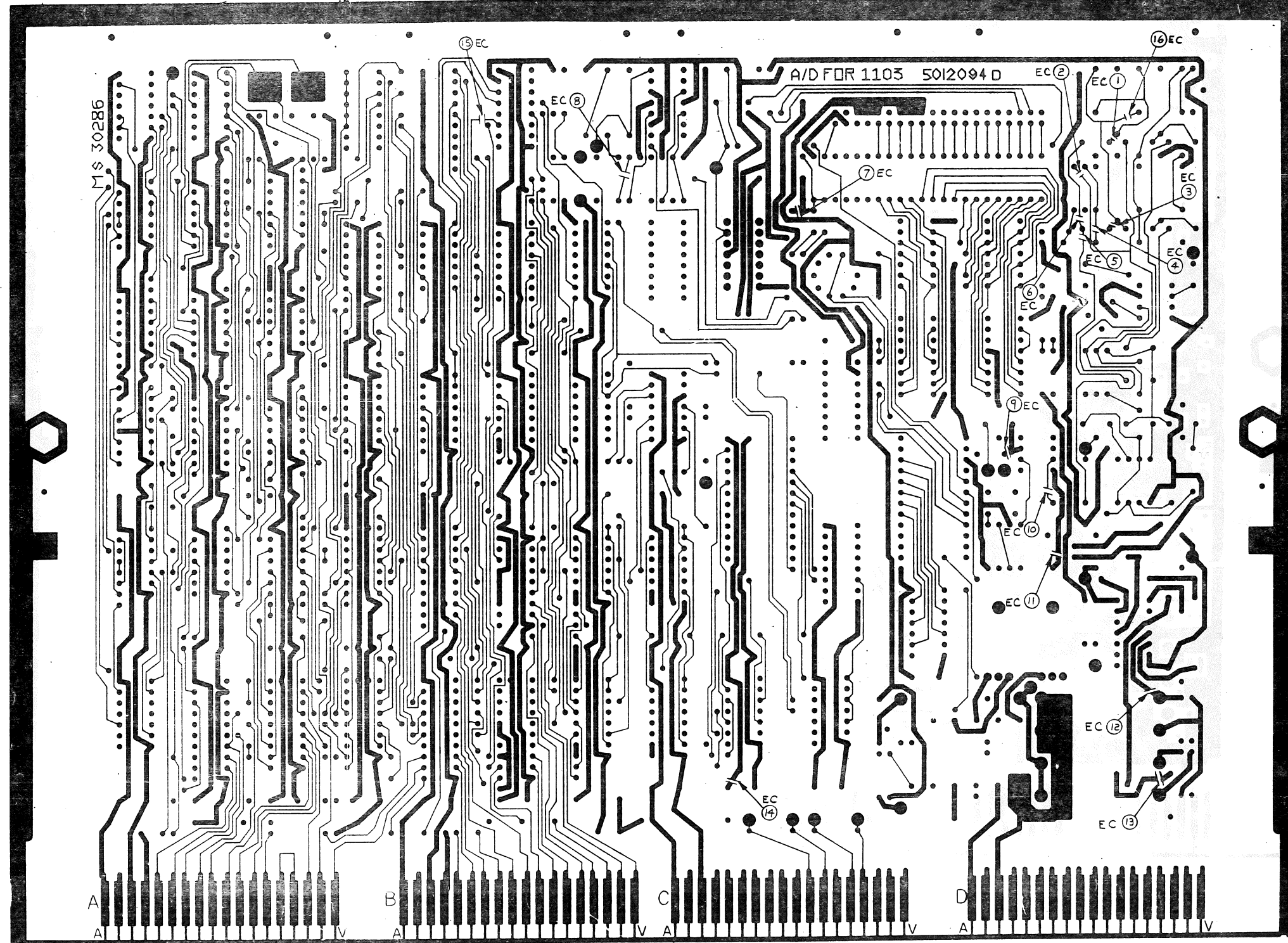
A-D FOR 1103

SIZE	CODE	NUMBER	REV.
D	UA	A012-0-0	D

SHEET 2 OF 4

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1 2 3 4 5 6 7 8
D 12-0-0 12 2 1



TITLE
A-
SCALE 2/1

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REWORK INSTRUCTIONS

COMPONENT DELETES

1. C36
2. C37
3. C40
- 4.
5. C68
6. D8
7. D13
8. D22
- 9.
10. Q1

ETCH CUTS SIDE 1 (AS SHOWN)

1. CUT ETCH AT BOTTOM OF Q12
2. CUT ETCH AT RIGHT OF C66
3. CUT ETCH AT PTH LEFT OF R51
4. CUT ETCH AT TOP OF R50
5. CUT ETCH AT BOTTOM OF D30
6. CUT ETCH AT BOTH SIDES OF PTH LEFT OF C33
7. CUT ETCH AT PTH BELOW AND LEFT OF R1
8. CUT ETCH AT PTH TO RIGHT OF W1
9. CUT ETCH AT LEFT OF C61
10. CUT ETCH AT RIGHT OF C61
11. CUT ETCH AT E50(11)
12. CUT ETCH AT GROUND ON LEFT OF Q18

ETCH CUTS SIDE 2 (AS SHOWN)

1. CUT ETCH AT TOP LEFT OF Q12
2. CUT ETCH AT TOP OF R20
3. CUT ETCH AT TOP LEFT OF Q7
4. CUT ETCH AT BOTTOM OF Q7
5. CUT ETCH AT BOTTOM RIGHT OF Q7
6. CUT ETCH AT TOP RIGHT OF Q7
7. CUT ETCH AT TOP OF R51
8. CUT ETCH AT TOP OF R45
9. CUT ETCH AT LEFT OF C61
10. CUT ETCH AT PTH BELOW E49
11. CUT ETCH AT PTH ABOVE Q16
12. CUT ETCH AT LEFT OF C50
13. CUT ETCH AT TOP OF L3
14. CUT ETCH AT PTH LEFT OF C33
15. CUT ETCH AT E29(11)
16. CUT ETCH AT BOTTOM RIGHT OF D12

WIRE ADDS SIDE 1 (AS SHOWN)

1. ADD WIRE FROM BOTTOM OF Q12 TO BOTTOM OF R20
2. ADD WIRE FROM BOTTOM OF R20 TO TOP LEFT OF Q7
3. ADD WIRE FROM BOTTOM OF D33 TO TOP RIGHT OF Q12
4. ADD WIRE FROM BOTTOM OF D33 TO RIGHT OF C66
5. ADD WIRE FROM BOTTOM PTH BETWEEN R20 & R14 TO TOP PTH BETWEEN R20 & R14
6. ADD WIRE FROM TOP OF R20 TO LEFT OF Q12
7. ADD WIRE FROM PTH RIGHT OF R20 TO TOP RIGHT OF Q7
8. ADD WIRE FROM TOP RIGHT OF Q8 TO BOTTOM OF Q7
9. ADD WIRE FROM BOTTOM OF R16 TO TOP RIGHT OF Q5
10. ADD WIRE FROM BOTTOM OF R43 TO RIGHT OF C61
11. ADD WIRE FROM PTH ABOVE E TO THE LEFT OF E46(1) TO PTH RIGHT OF E49(8)
12. ADD WIRE FROM LEFT OF C61 TO PTH LEFT OF R1
13. ADD WIRE FROM PTH LEFT OF R1 TO PTH BELOW E49
14. ADD WIRE FROM E49(4) TO PTH LOWER RIGHT OF W1
15. ADD WIRE FROM (ITEM #) PTH ABOVE C53 TO GROUND RUN BELOW J1
16. ADD WIRE FROM PTH LOWER RIGHT OF W1 TO PTH BOTTOM LEFT OF E46

17. ADD WIRE FROM PTH ABOVE Q16 TO TOP OF R61
18. ADD WIRE FROM E50(4) TO TOP OF L3
19. ADD WIRE FROM TOP OF D28 TO BOTTOM OF L3
20. ADD WIRE FROM TOP OF R20 TO GROUND RUN BELOW J1
21. ADD WIRE FROM TOP OF D11 TO BOTTOM OF D36
22. ADD WIRE FROM BOTTOM OF R55 TO PTH LEFT OF C33
23. ADD WIRE FROM RIGHT OF C40 TO PTH LEFT OF C30
24. ADD WIRE FROM PTH LEFT OF C30 TO RIGHT OF C37
25. ADD WIRE FROM PTH LEFT OF R51 TO E37(2)
26. ADD WIRE FROM TOP OF R50 TO E37(7)
27. ADD WIRE FROM E36(1) TO PTH ABOVE E RIGHT OF D31
28. ADD WIRE FROM E36(1) TO E36(3)
29. ADD WIRE FROM E36(14) TO TOP OF R48
30. ADD WIRE FROM E36(16) TO BOTTOM OF R47
31. ADD WIRE FROM BOTTOM OF R53 TO BOTTOM OF D23
32. ADD WIRE FROM TOP OF R45 TO TOP OF D21
33. ADD WIRE FROM TOP OF R53 TO PTH AT TOP RIGHT OF R53
34. ADD WIRE FROM BOTTOM OF D22 TO TOP OF D22
35. ADD WIRE FROM BOTTOM OF D21 TO BOTTOM OF D23
36. ADD WIRE FROM TOP OF R77 TO E35(5)
37. ADD WIRE FROM E35(9) TO TOP OF R78
38. ADD WIRE FROM E35(11) TO BOTTOM OF R79
39. ADD WIRE FROM BOTTOM OF R75 TO PTH LEFT OF R70
40. ADD WIRE FROM BOTTOM OF D12 TO TOP OF D36
41. ADD WIRE FROM E22(1) TO PTH BOTTOM LEFT OF C23

COMPONENT ADD

1. C74
2. C68
3. C73

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE CODE	NUMBER	REV.
A-D FOR 1103		D UA	A012-0-0	0
SCALE	SHEET	4 OF 4	DIST.	

PARTS LIST

NOTES: 1. THE FOLLOWING ARE SPARES:
R21 THRU R23, R53, R69, R87
E36

ISSUED SECTION

REC.O. NO. 10000

AØ12-Ø-

DIGITAL EQUIPMENT CORPORATION				QUANTITY / VARIATION												NOTES:	
PARTS LIST																	
MADE BY RW Counter		CHECKED <i>11/11/76</i>															
DATE 22 APR 76		DATE 22 APR 76															
ENG <i>11/11/76</i>		PROD <i>11/11/76</i>															
DATE 6 JULY 76		DATE 6 JUL 76															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION													REF. DESIGNATION	
21		1109502	DIODE IN4742 12V 10%	1													D19
22		1211164-04	SW PACK 8 SPST SW	1													S1
23		1211164-06	SW PACK 10 SPST SW	1													S2
24		1209941-02	CONNECTOR 40 PIN	1													J1
25		1209941-03	LATCH, LEFT	1													
26		1209941-04	LATCH, RIGHT	1													
27		1302396	RES 150K 5% 1/4W	1													R90
28		1302957	RES. 121 1% 1/4W RN55D-F	1													R1
29		1310881	RES. 1K 1% 1/4W FUSIBLE	18													R2, R25 THRU R32, R34 THRU R41, R54
30		1309143-04	POT 100 3/4W 76PR	1													R3
31		1300365	RES. 1K 5% 1/4W	14													R12, R33, R42, R44, R51, R56, R65, R70, R84, R77, R78, R79, R82, R86
32		1303313	RES. 12.1K 1% 1/4W RN55D-F	1													R5
33		1302899	RES. 30.1 1% 1/4W RN55D-F	1													R6
34		1302955	RES. 750 1% 1/4W RN55D-F	1													R8
35		1300426	RES. 2.7K 5% 1/4W	3													R9, R14, R24
36		1302379	RES. 75 5% 1/4W	2													R10, R11
37		1301425	RES. 300 5% 1/4W	1													R43
38		1300479	RES. 10K 5% 1/4W	7													R13, R46, R48, R62, R20, R50, R4
39		1304841	RES. 75K 5% 1/4W	1													R53
40		1309143-13	POT 50K 3/4W 76PR	1													R15

ECO. NO.

1

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TITLE
A-D FOR 1103

ASSY NO.
D-UA-A012-0-0

SHEET 2 OF 6

SIZE B

CODE PL

NUMBER A012-0-0

REV. D

EN-01140-16-N1075-(325) ORB 124

DIGITAL EQUIPMENT CORPORATION				QUANTITY / VARIATION												NOTES:			
PARTS LIST																			
MADE BY R. W. Caunter		CHECKED <i>W. H. Smith</i>		SECTION															
DATE 23 APR 76		DATE 23 APR 76		PROD <i>R. W. Smith</i>															
ENG <i>R. W. Smith</i>		DATE 6 JUL 76		ISSUED SECTION															
ITEM NO.	DRAWING NO.	PART NO.	DESCRIPTION													REF. DESIGNATION			
41		1305516	RES. 128K .1% 1/4W RN55E-B	1												R16			
42		1300496	RES. 15K 5% 1/4W	1												R17			
43		1300229	RES. 100 5% 1/4W	2												R18, R19			
44		1302859	RES. 5.76K 1% 1/4W RN55D-F	1												R89			
45		1302391	RES. 20K 5% 1/4W	1												R45,			
46		1300488	RES. 12K 5% 1/4W	2												R47, R49			
47		1300005-01	RES. PACK 1K	2												R52, R83			
48		1300250	RES. 150 5% 1/4W	1												R55			
49		1301781	RES. 82 5% 1/2W	1												R57			
50		1300315	RES. 470 5% 1/2W	2												R58, R59			
51		1309422	RES. 5.1 5% 1/4W	2												R60, R61			
52		1310881-02	RES. 47 1% 1/4W FUSIBLE	2												R63, R68			
53		1300271	RES. 220 5% 1/4W	1												R64			
54		1302514	RES. 39K 5% 1/4W	1												R67			
55		1300295	RES. 330 5% 1/4W	2												R71, R73			
56		1301424	RES. 680 5% 1/4W	2												R72, R74			
57		1309416	RES. 31.6K 1% 1/4W RN55D-F	1												R66			
58		1300447	RES. 4.7K 5% 1/4W	1												R75			
59		1302388	RES. 2K 5% 1/4W	1												R85			
60		1509681	TRANS. 2N5245 FET	1												Q13			
61		1509142	TRANS. 2N4250 PNP	4												Q2, Q3 , Q8, Q10			

ECO. NO.

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TITLE
A-D FOR 1103

ASSY NO.
D-UA-AØ12-Ø-Ø

SHEET 3 OF 6

SIZE B
CODE PL
NUMBER AØ12-Ø-Ø

REV.

PARTS LIST

NOTES:

SECTION

DATE 22 APR 76

PROD *R. W. G. 100*

DATE 6-21-66

ISSUED SECTION

DESCRIPTION

REF. DESIGNATION

E24, E27, E30, E31, E33, E34

E42

E32

E37

E39

E40

E41

E 29

E43

E44

E46

E47, E48

E49

F50

1

1950

TP1 THRU TP14

•

2

Table 1

E51

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A-D FOR 1103

D-UA-AØ12-Ø-Ø

SHEET 5 OF 6

SIZE

CODE

Di

NUMBER

D

PARTS LIST

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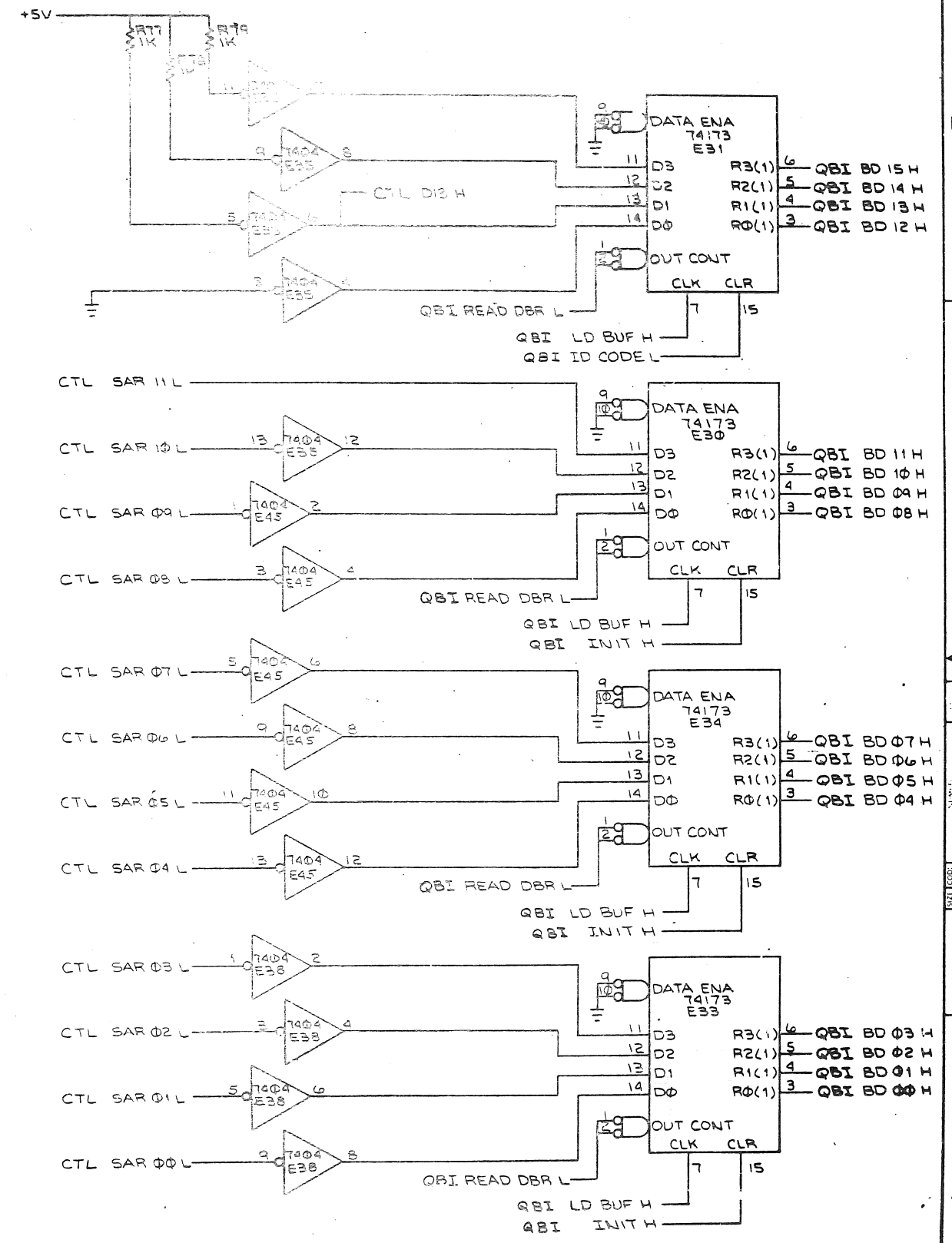
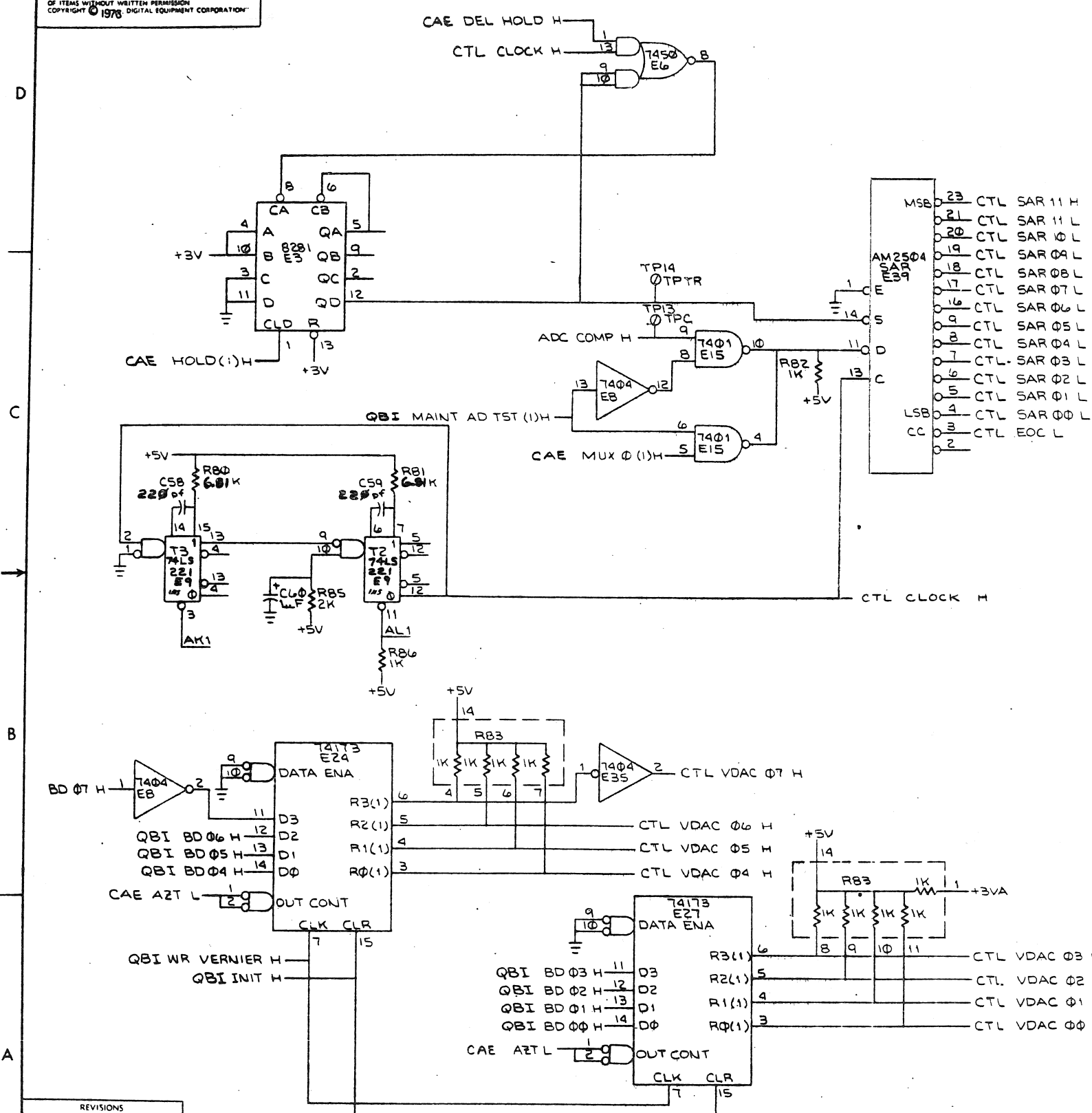
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E.C.O. NO.

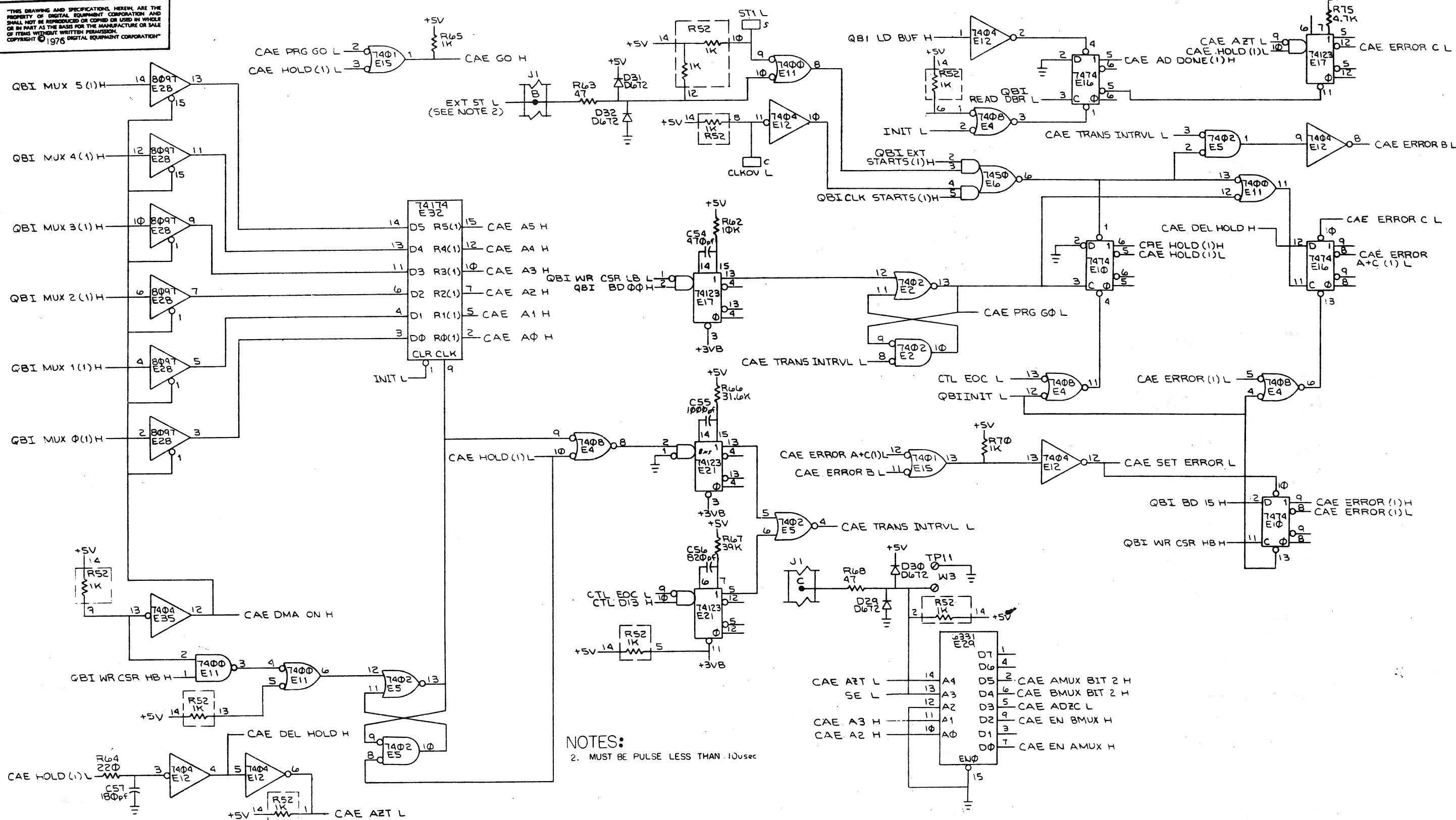
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DRh 125

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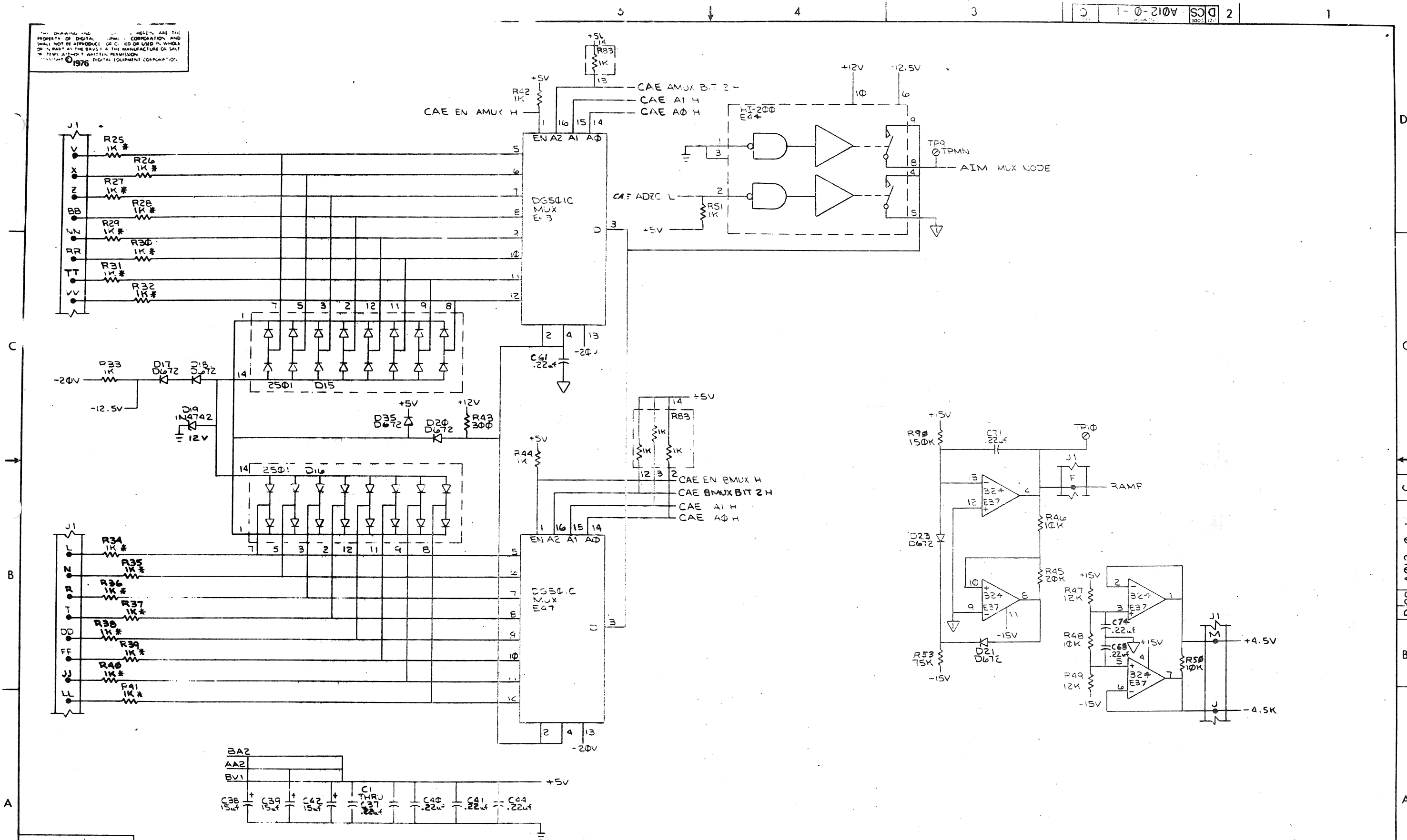


NOTES:
2. MUST BE PULSE LESS THAN 10usec

REVISIONS		
CHK	CHANGE NO.	REV.

TITLE		SIZE CODE	NUMBER	REV.
A-D FOR 1103		D CS	A012-0-1	C
SCALE		SHEET 3 OF 6		

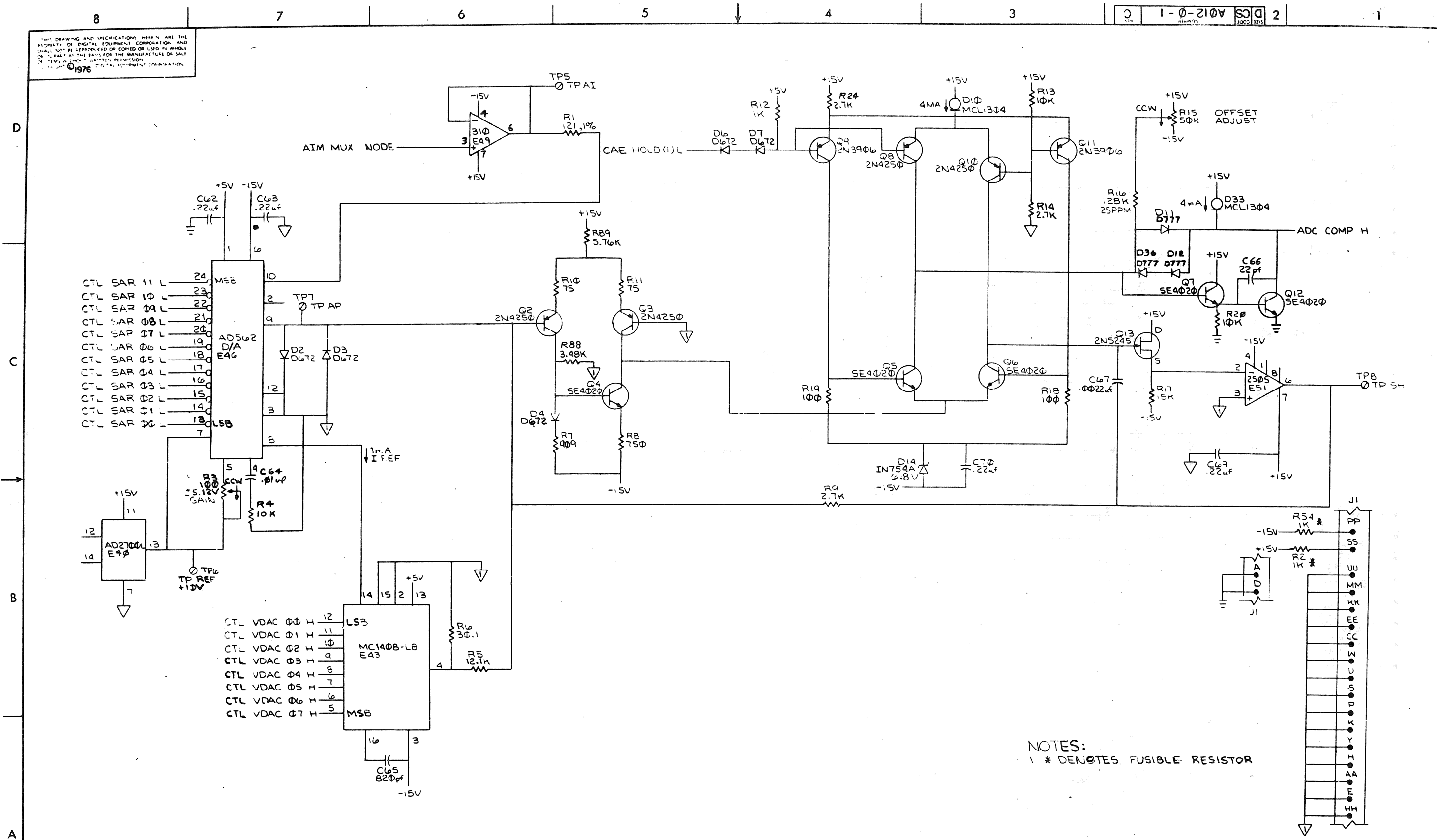
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(AIM)				REV.			
TITLE		SIZE CODE		NUMBER		REV.	
A-D FOR 1103		D C S		A012-0-1		C	
SCALE		SHEET		4 OF 6		DIST	

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NOTES:
1 * DENOTES FUSIBLE RESISTOR

(ADC)

TITLE	SIZE CODE	NUMBER	REV.
A-D FOR 1103	D CS	A012-0-1	C
SCALE	SHEET	5 OF 6	DIST.

PARTS LIST

SECTION

1

ISSUED SECT.	
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DATE 20 AUG 70

[illegible]

REV.	ECONO.
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ADV11-A-SL

DIST.