

Revisions					216323	C
LAL	Rev.	Description	Chk	Date	Approved	
	A	ENGRG RELEASE	R	3-4-76	R	
	B	REVISED	JW	6-16 76	R	
	C	M/L ITEM 45 WAS 10K P/N 116447-103. SH 9 R1 WAS 10K.	JW	9-28 76	R	



THIS DOCUMENT CONTAINS 23 SHEETS.

Dist Code ALT

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		Check <i>McNamee 3-3-76</i>	Appr <i>McNamee 3-3-76</i>	Material			
Model No. ALTO II First Use EW07YF92 Next Assy. 216302 First Use		Finish	Code Ident. 18338	Size A	Dwg. No. 216323	Change Letter C	
			Scale -	Do Not Scale Drawing		Sheet 1	

NOTES: UNLESS OTHERWISE SPECIFIED

1. THE FOLLOWING MODIFICATIONS HAVE TO BE MADE TO THIS ASSEMBLY
USING "B" REVISION PRINTED WIRING BOARDS:

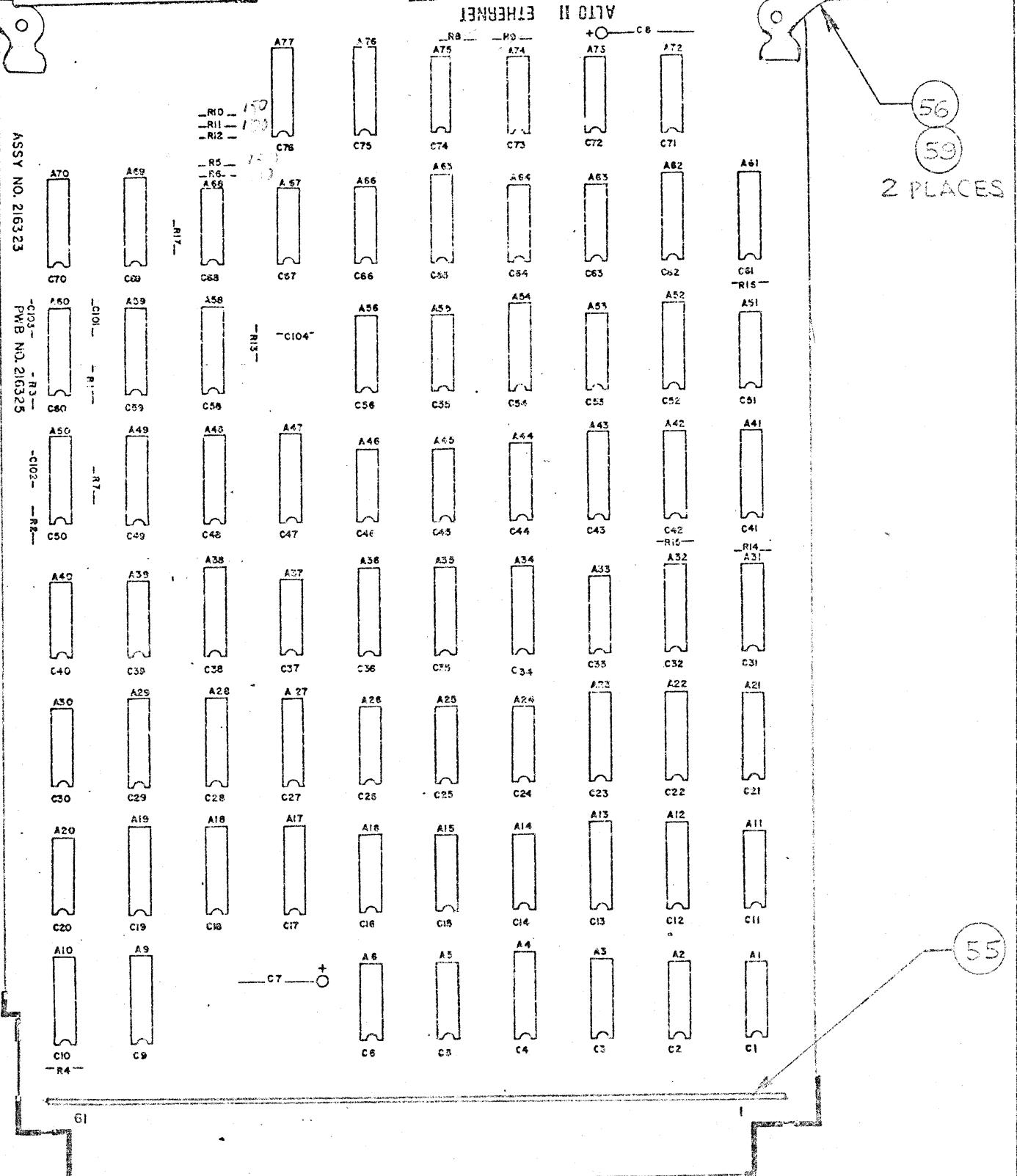
CUT ETCH BETWEEN 1) A47-12 AND A50-2
 2) A50-2 AND A60-5
 3) A50-13 AND A54-6

ADD WIRE FROM 1) A47-4 TO A60-5
 2) A54-6 TO A60-5
 3) A50-2 TO A64-6
 4) A64-4 TO A77-7
 5) A64-5 TO A75-6
 6) A50-13 TO EC PIN 76

2. ASSEMBLE PER ALTO II MODULE ASSEMBLY SPECIFICATION, DWG NO. 216207.

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ASSY, PRINTED WIRING	XEROX
ETHERNET	
216323	C
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WIRING
ETHERNET**

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XEROX

216323

Sheet 3 Of

Material List

Rev. C
 Drawing No. 216323
ML

ML	Drawing No. 216323	Rev. C
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Drawing Title		These drawings and specifications, and the data contained therein, are the exclusive property of Xerox Corporation and/or Rank Xerox, Ltd. issued in strict confidence and shall not, without the prior written permission of Xerox Corporation or Rank Xerox, Ltd., be reproduced, copied or used for any purpose whatsoever, except the manufacture of articles for Xerox Corporation or Rank Xerox, Ltd.		
		Model No. EWO 7YF92	Date 3-3-76	Sheet 4 Of
Item No.	Drawing Title	Drawing No.	No. Req.	Remarks
1	Board, P.W. Ethernet	216325	1	
2	Procedure, Test	216324	REF	
3	Spec, Module Assembly	216207	REF	
4	Microcircuit, 74H21		2	A1, 39
5	7408		3	A63, 64, 68
6	7404		3	A3, 44, 55
7	74H01		1	A30
8				
9	7437		1	A73
10	74LS298		4	A13, 17, 23, 27
11	7400		2	A20, 46
12	74164		2	A33, 37
13	74165		2	A34, 36
14	7402		2	A40, 72
15	74174		1	A43
16	74157		2	A48, 54
17	74123		2	A50, 60
18	7410		2	A56, 74
19	74161		2	A58, 59
20	7486		1	A67
21	74S08		1	A2
22	7438		8	A5, 6, 14, 15, 16, 24, 25, ²⁶
23	74S37		1	A11
24	74S00		3	A45, 75, 66
25	74S157		1	A76
26	898-1-R1.0K Beckman		3	A4, 32, 38
27	I3205 Intel		3	A9, 19, 29
28	I3101A Intel		4	A12, 18, 22, 28
29	P3601 M.I.L.		3	A41, 42, 49
30	Microcircuit, 9401 Fairchild		1	A53
31	Microcircuit, 74109		13	A10, 21, 31, 35, 47, 51, 52, 61, 62, 65, 69, 70, 77

Material List

Drawing Title

ALTO II

ASSEMBLY, PRINTED WIRING-

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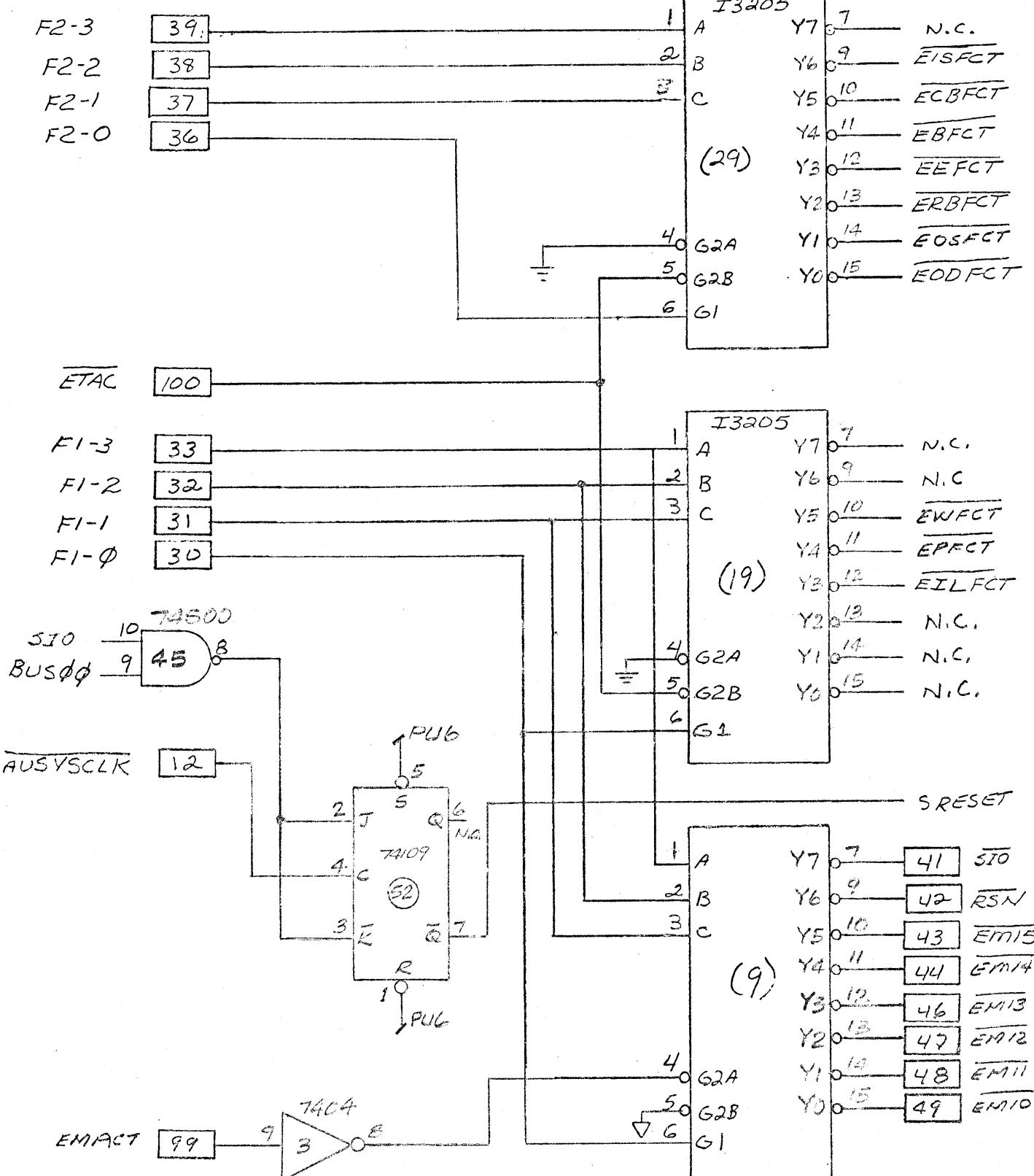
Model No.

EWO 7YF92

1

3-3-76

Of



COMMAND DECODING

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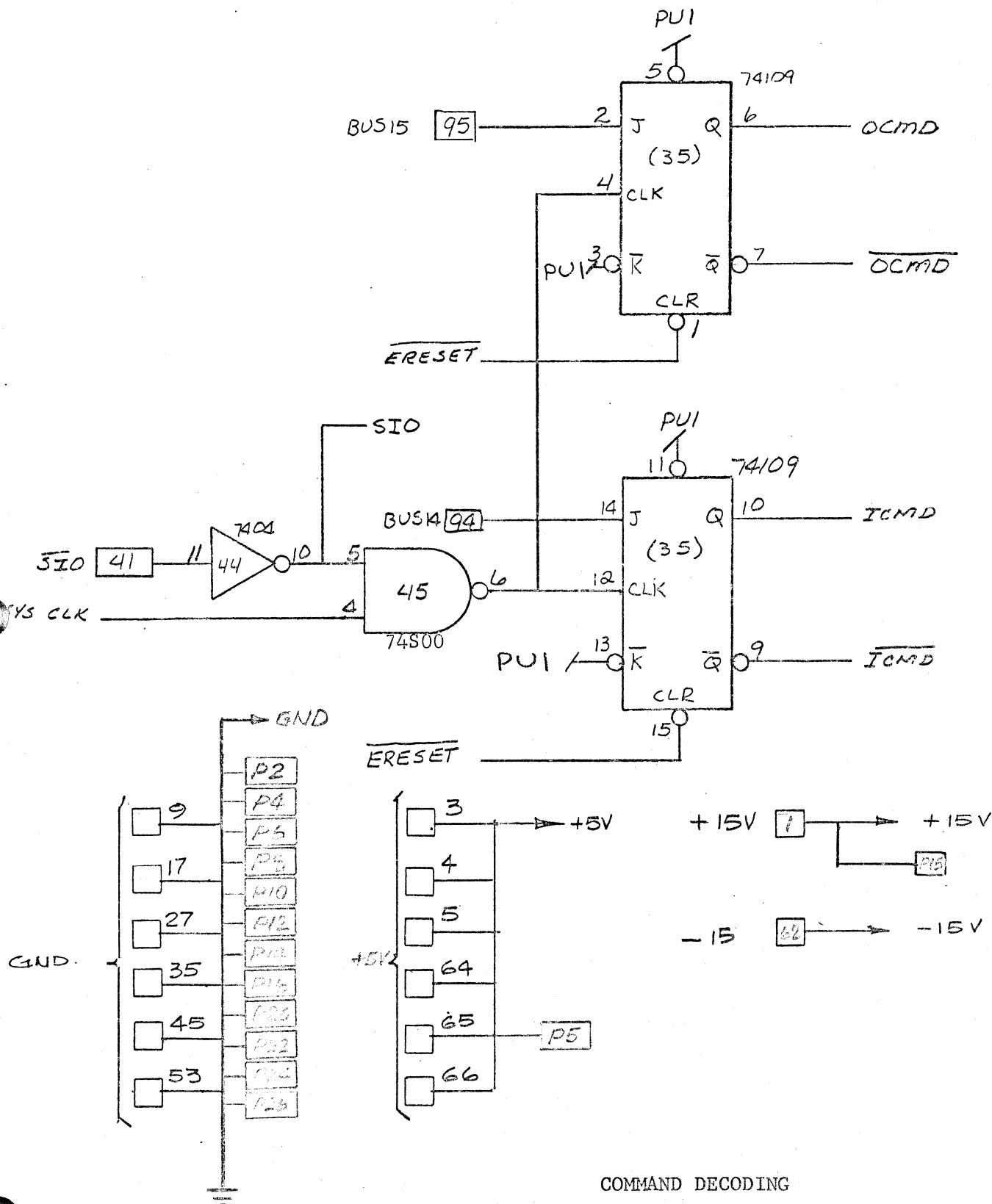
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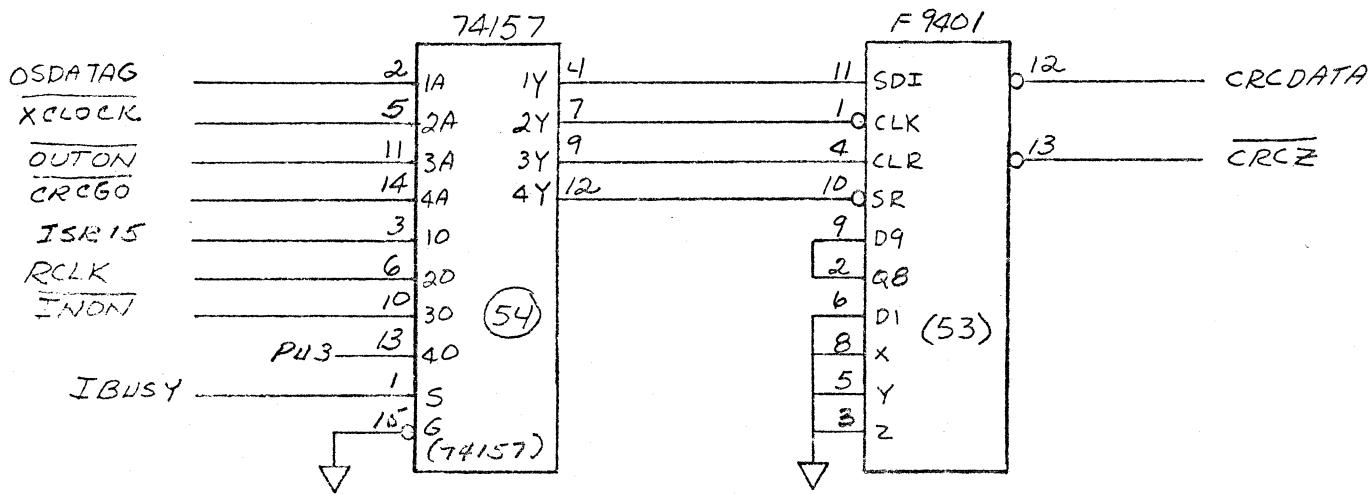
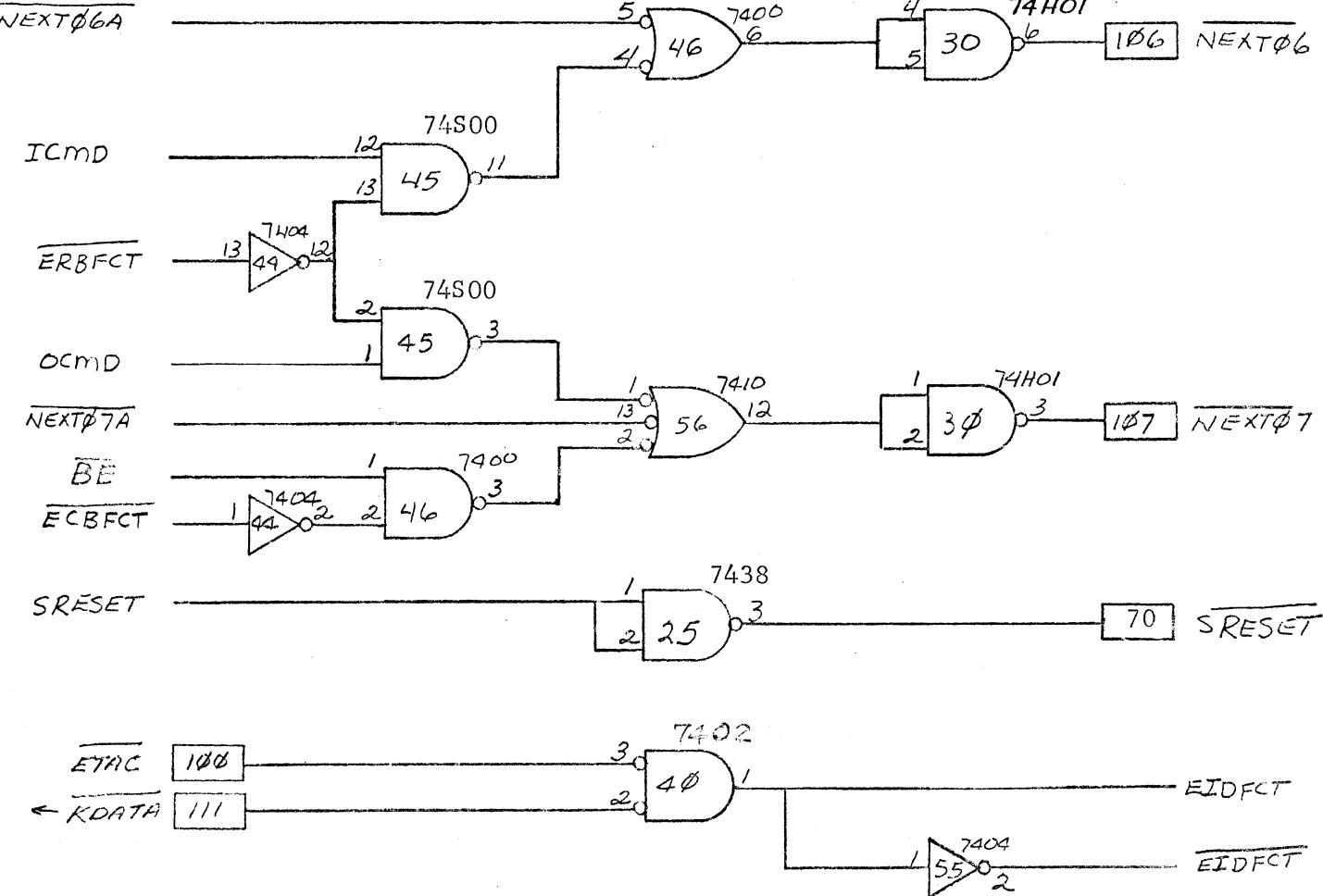
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BRANCH LOGIC

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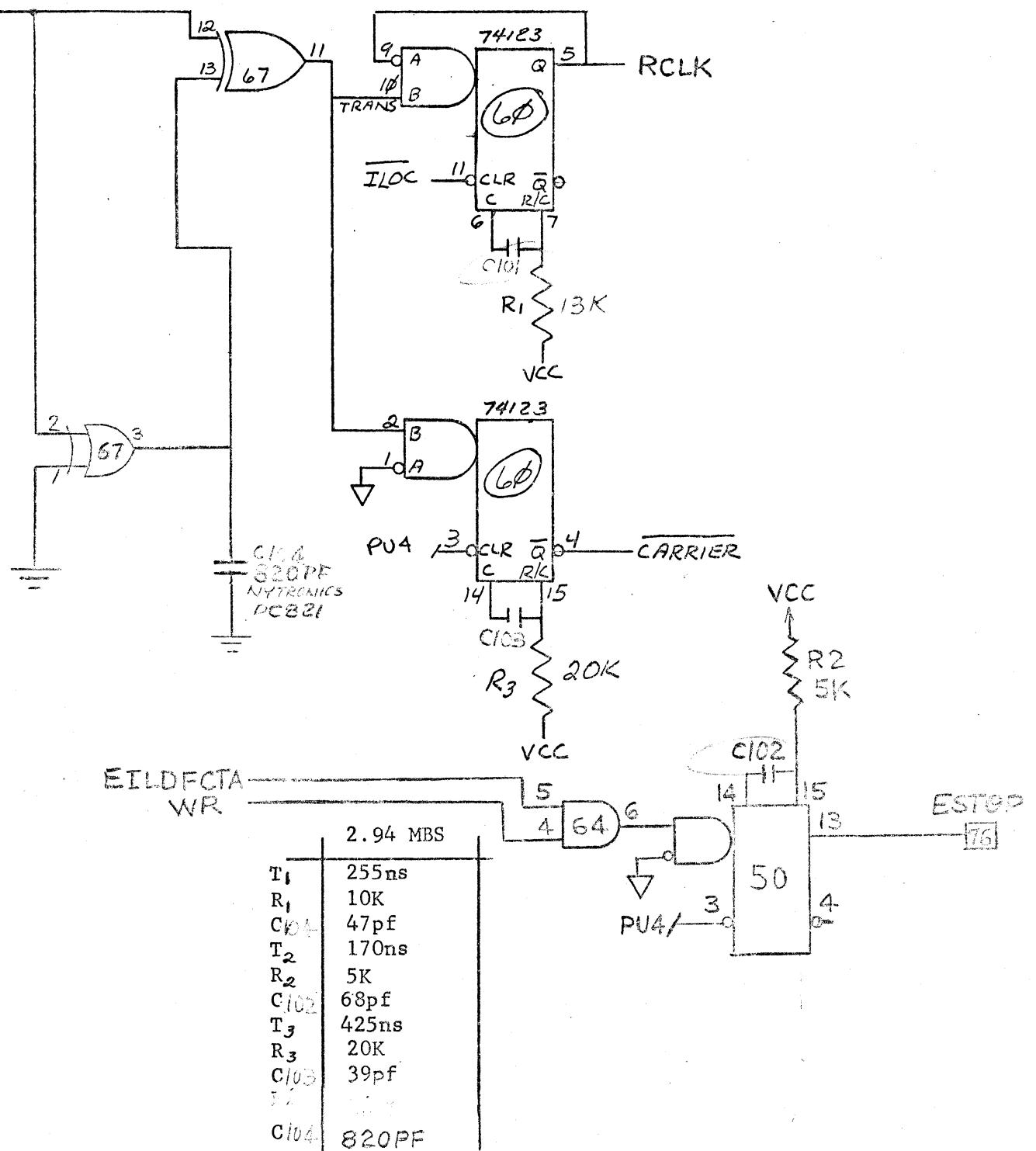
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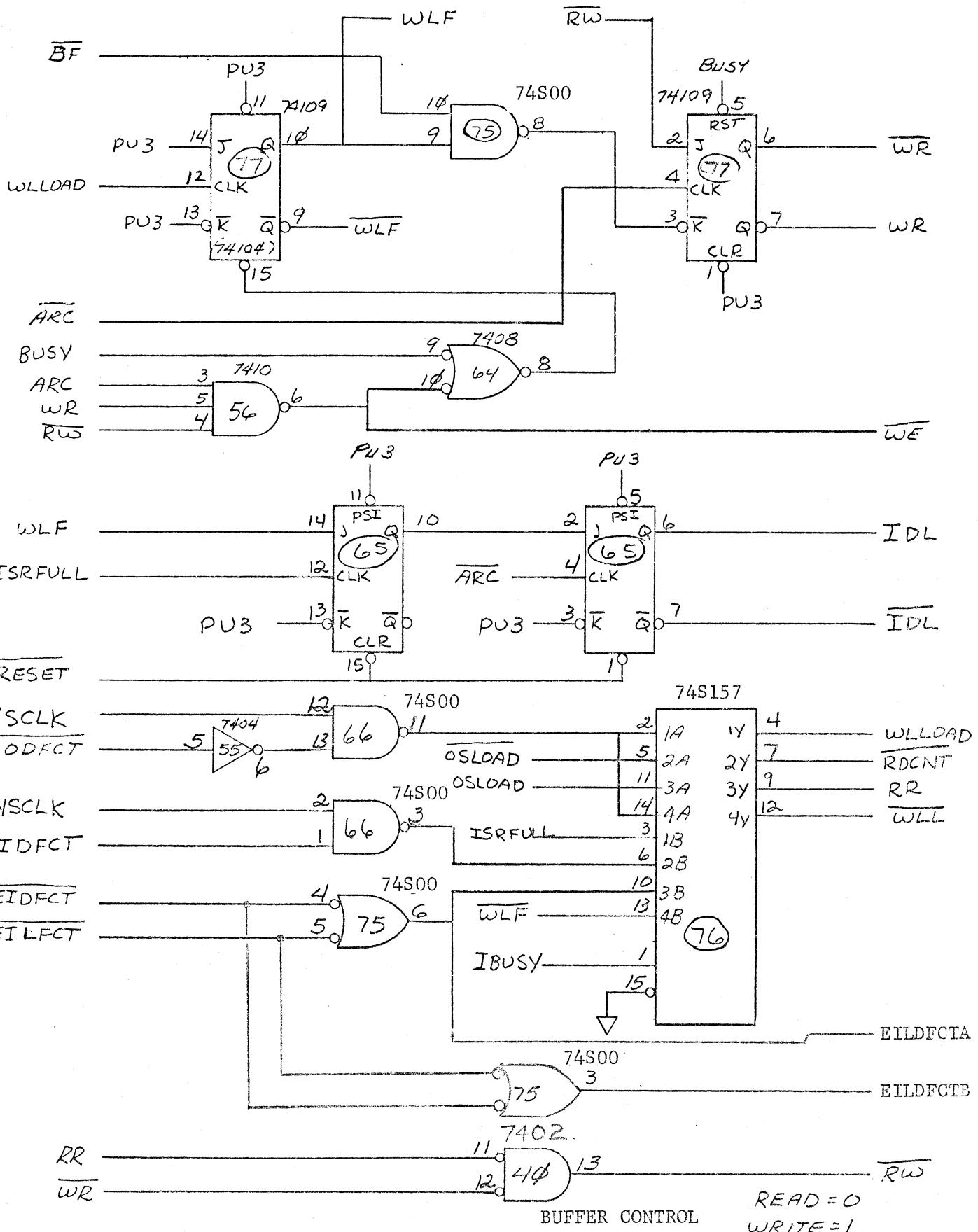
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55-1528

1 2 3 4

6

Im ϕ 0

7438

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7438

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7438

12

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7438

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7438

4

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7438

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7438

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7438

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7438

12

24

7438

1

BUS ϕ 0

BUS ϕ 1

BUS ϕ 2

BUS ϕ 3

BUS ϕ 4

BUS ϕ 5

BUS ϕ 6

BUS ϕ 7

Im ϕ 3

Im ϕ 4

Im ϕ 5

Im ϕ 6

Im ϕ 7

EILDFACTA

74H01

Im ϕ 8

7438

15

7438

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7438

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7438

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7438

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7438

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7438

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7438

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7438

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7438

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7438

9

26

7438

10

26

7438

13

26

7438

12

BUS ϕ 8

BUS ϕ 9

BUS ϕ 10

BUS11

BUS12

BUS13

BUS14

BUS15

EILDFACTB

PROCESSOR BUS DRIVERS

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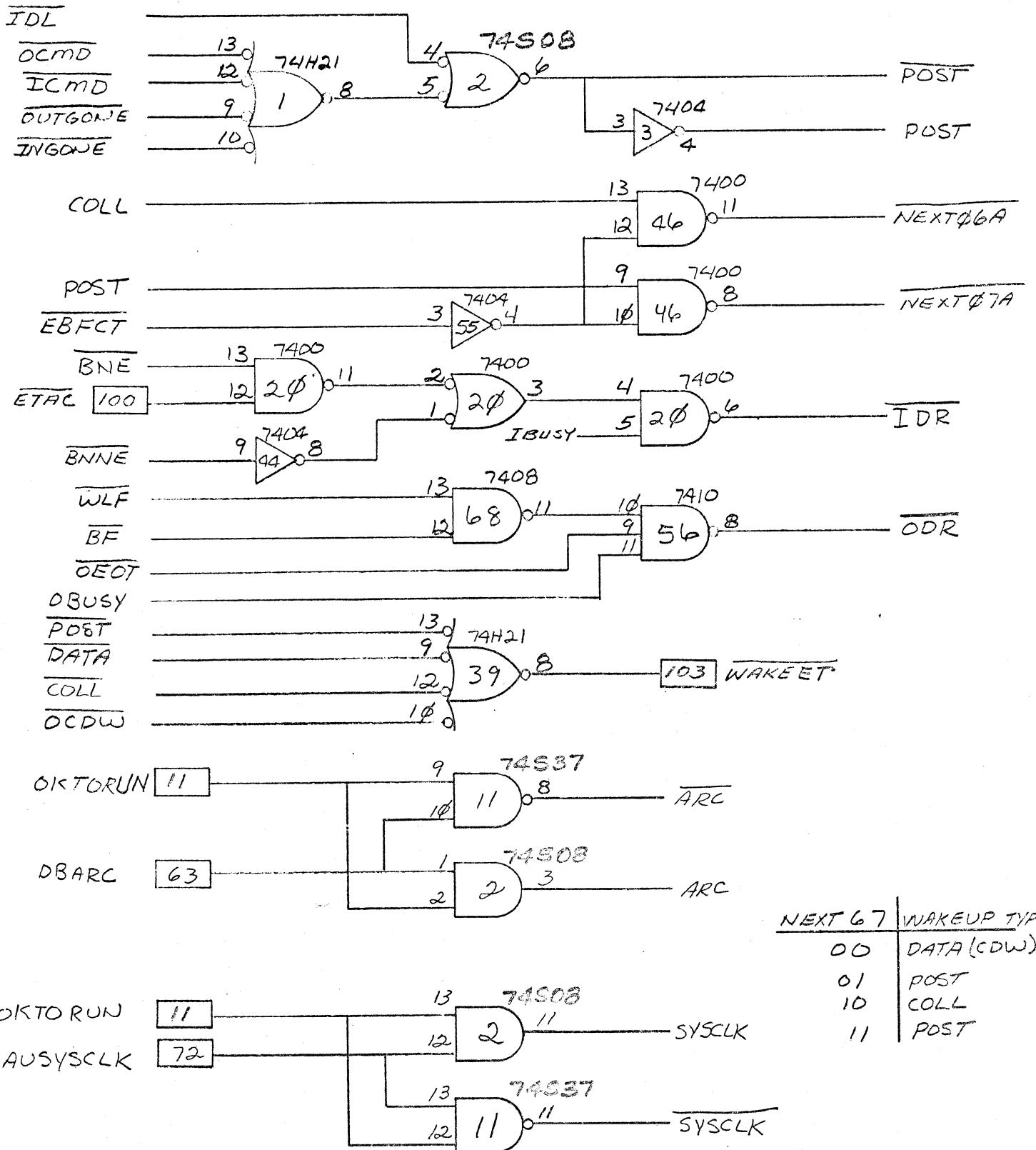
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ALTO INTERFACE

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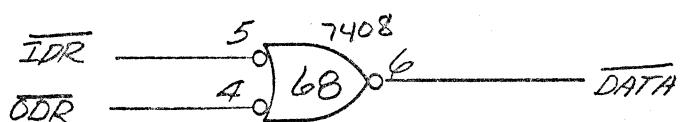
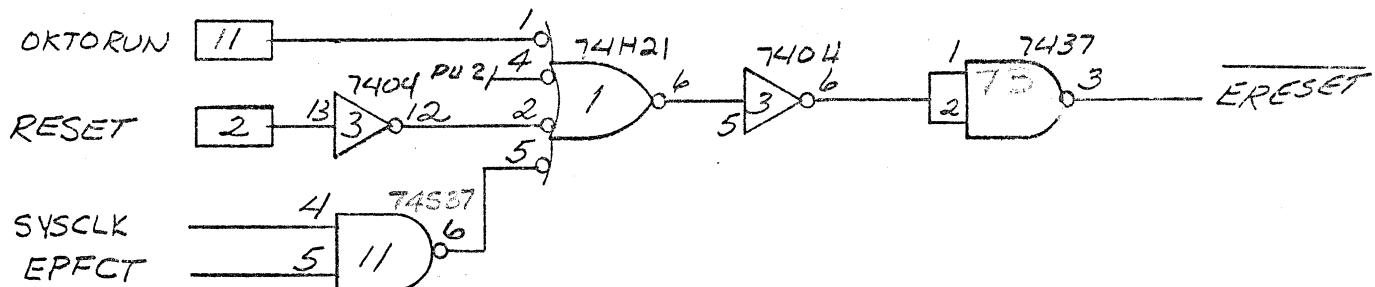
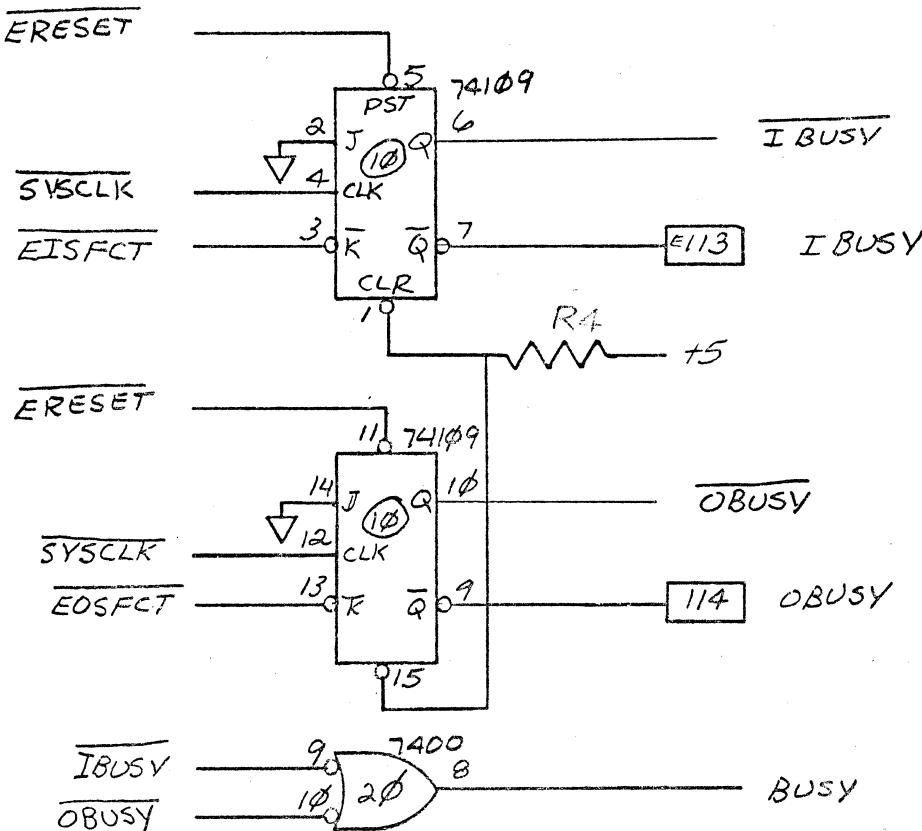
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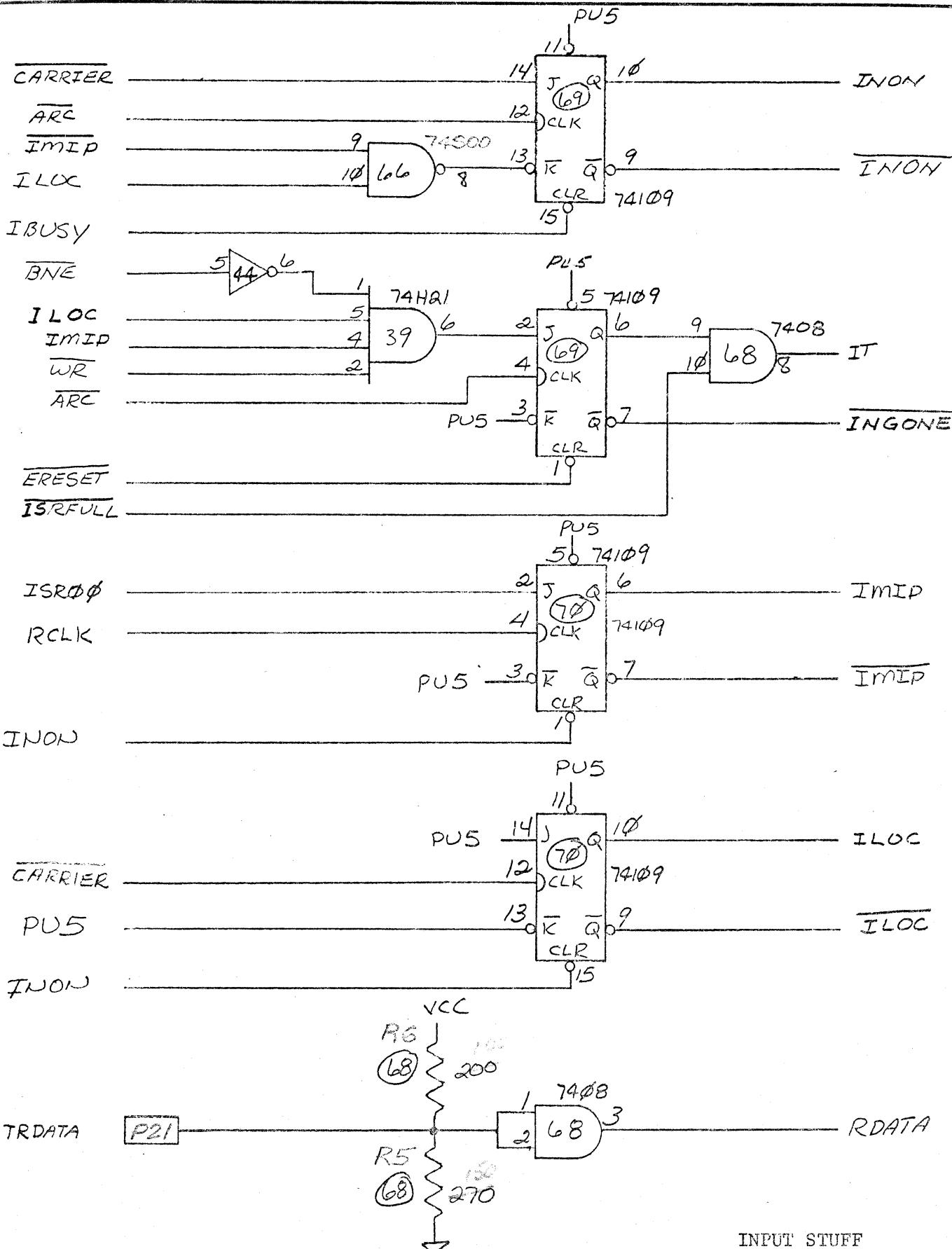
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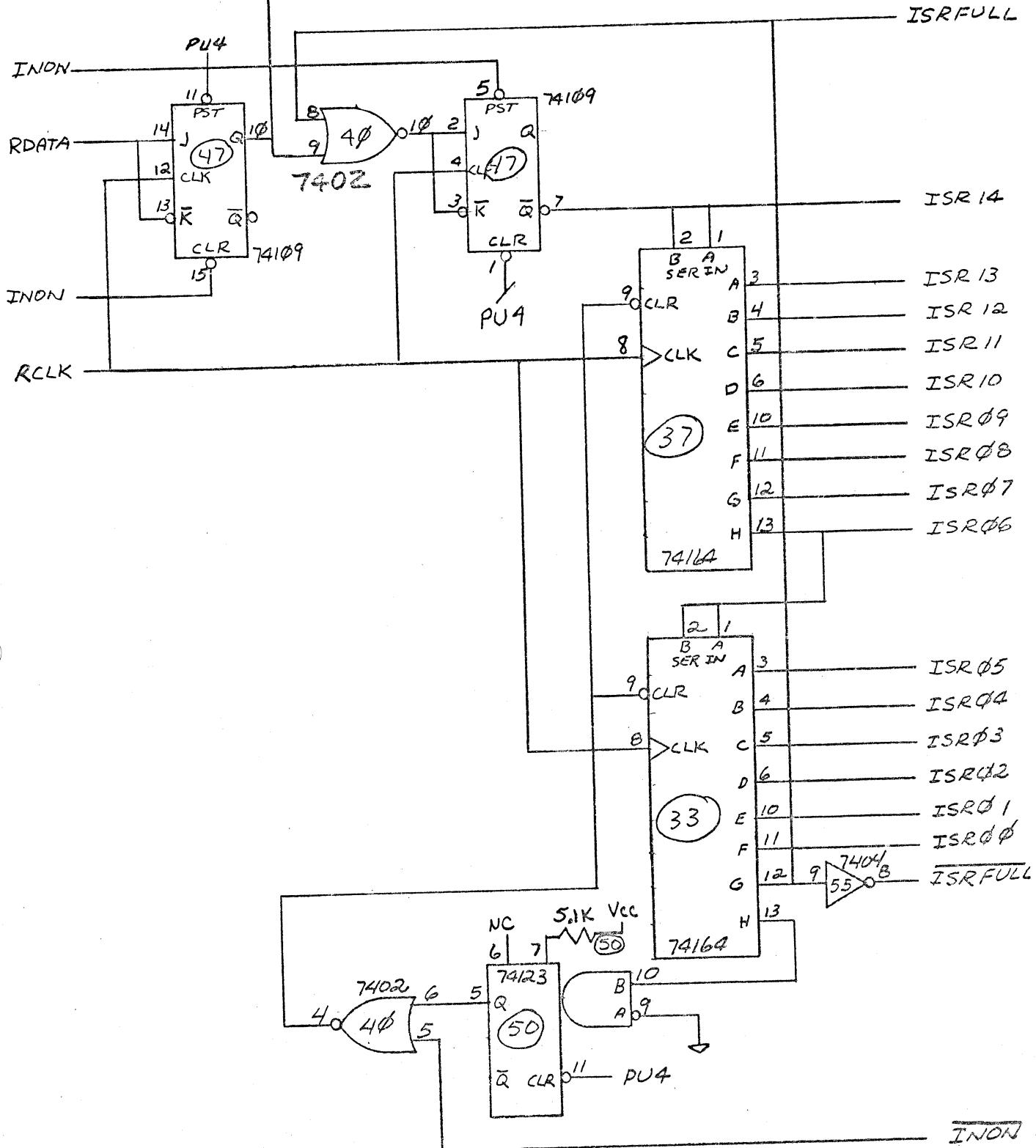


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INPUT SHIFT REGISTER

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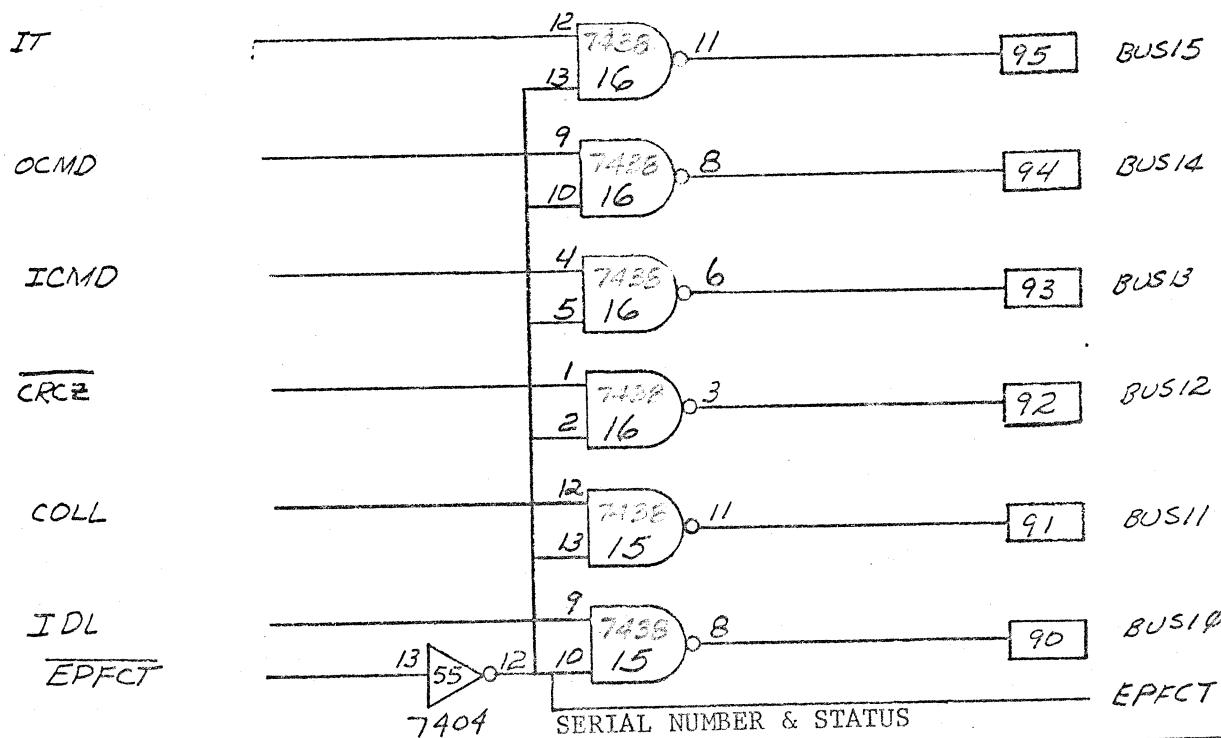
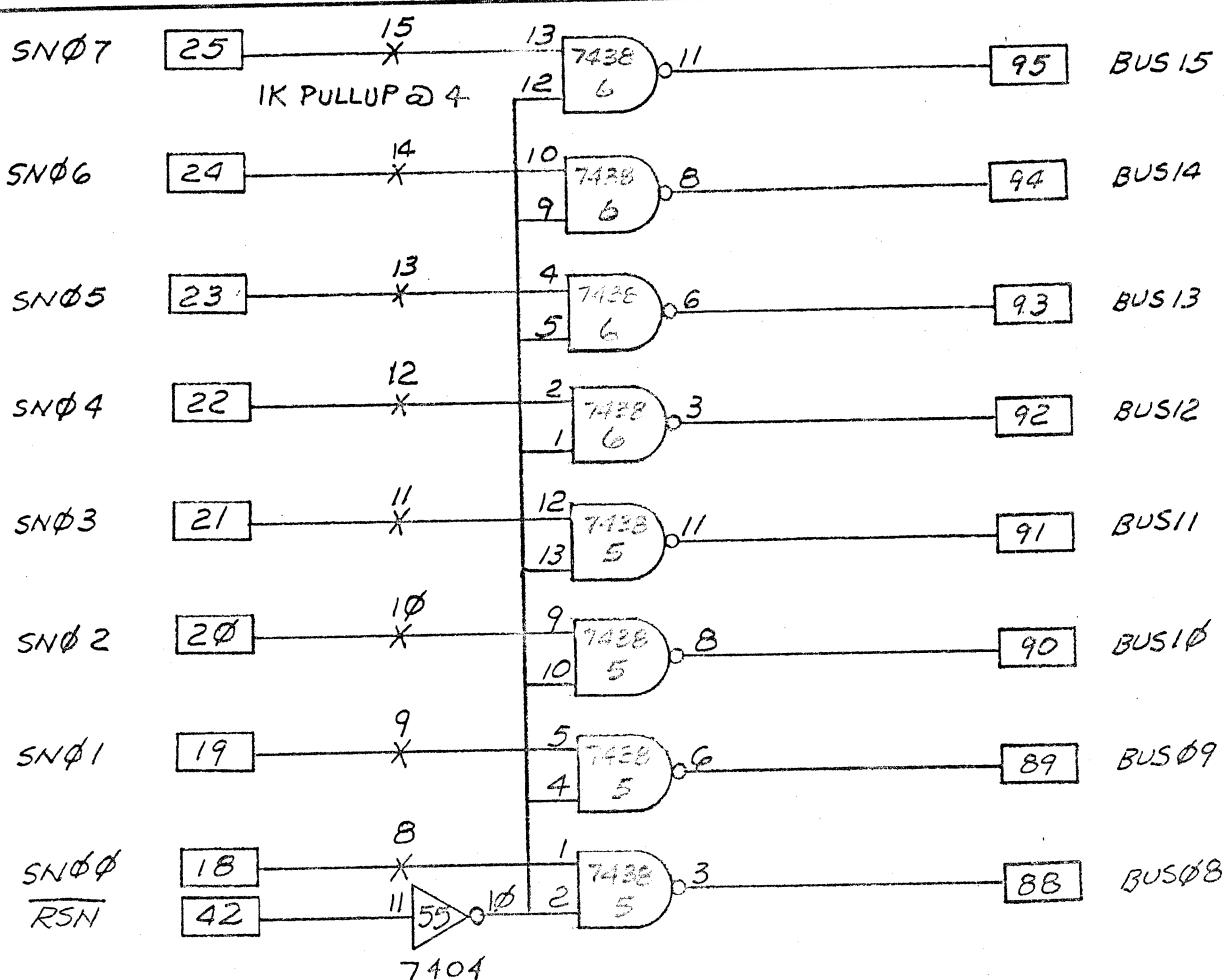
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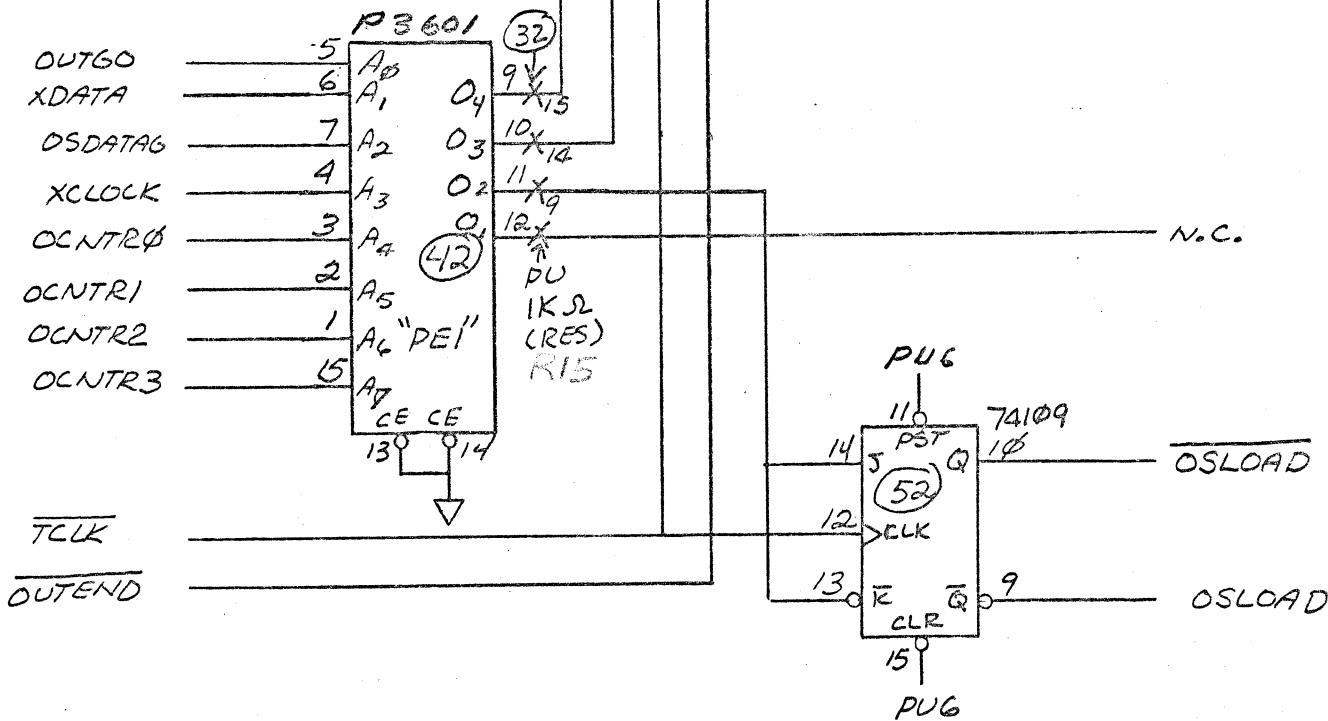
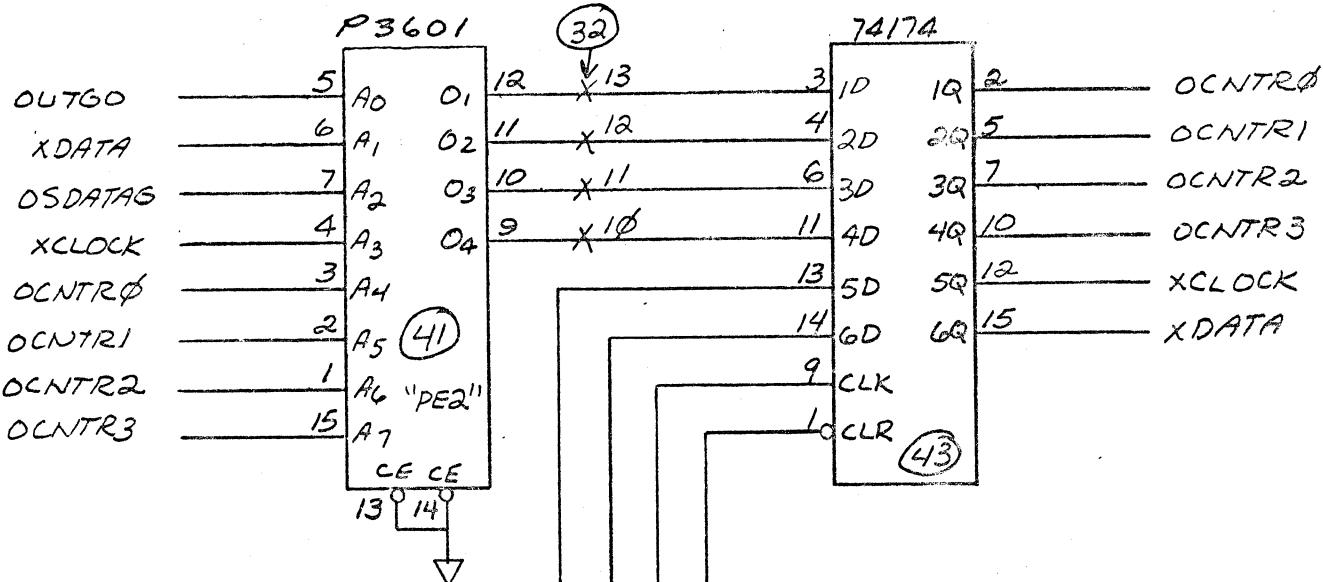
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IM00

IM01

IM02

IM03

IM04

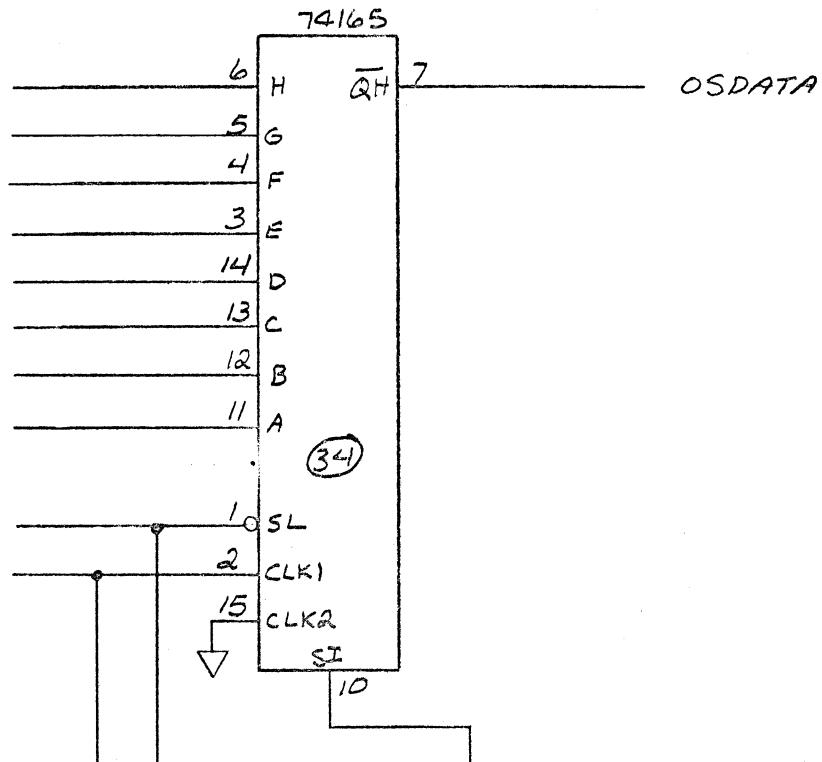
IM05

IM06

IM07

OSLOAD

XCLOCK



IM08

IM09

IM10

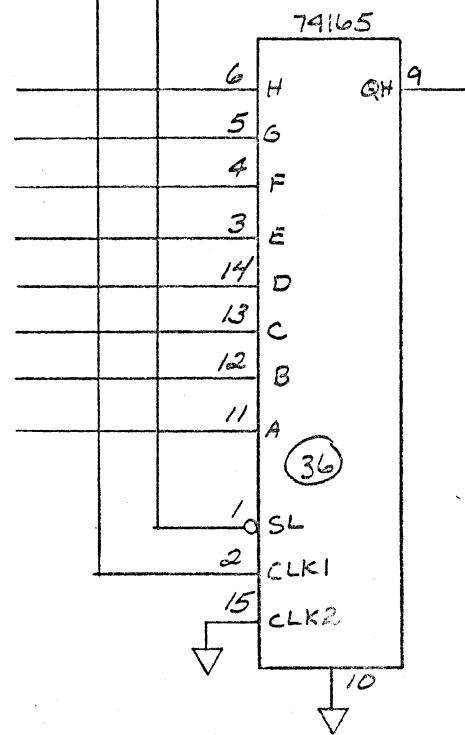
IM11

IM12

IM13

IM14

IM15



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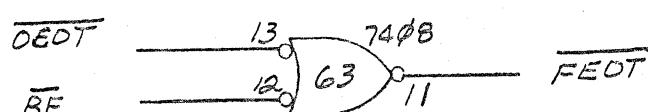
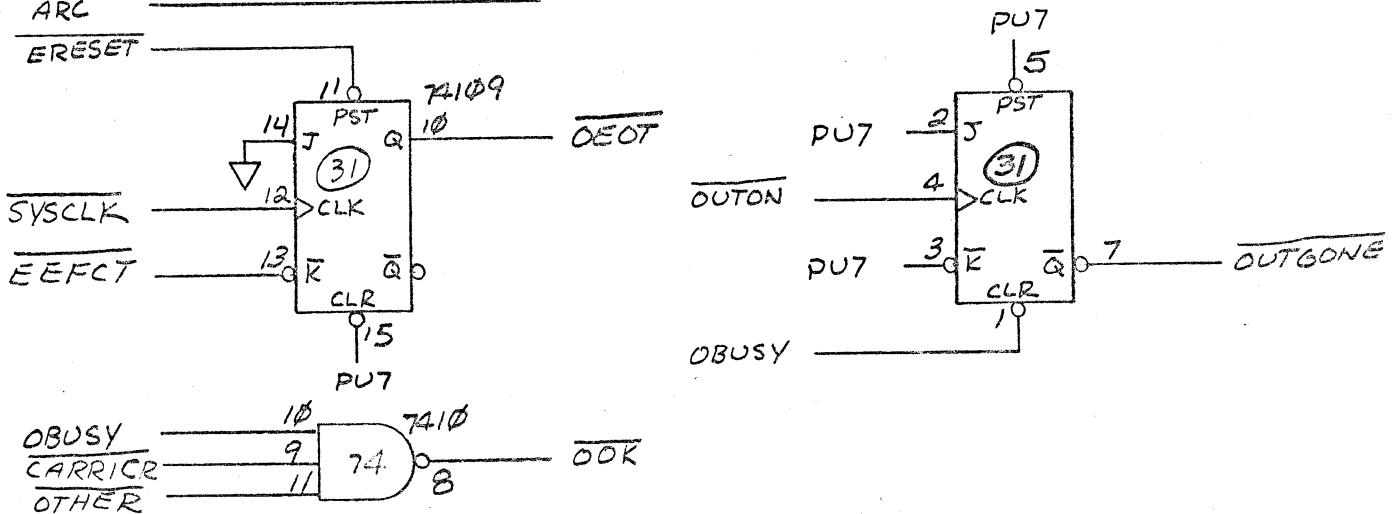
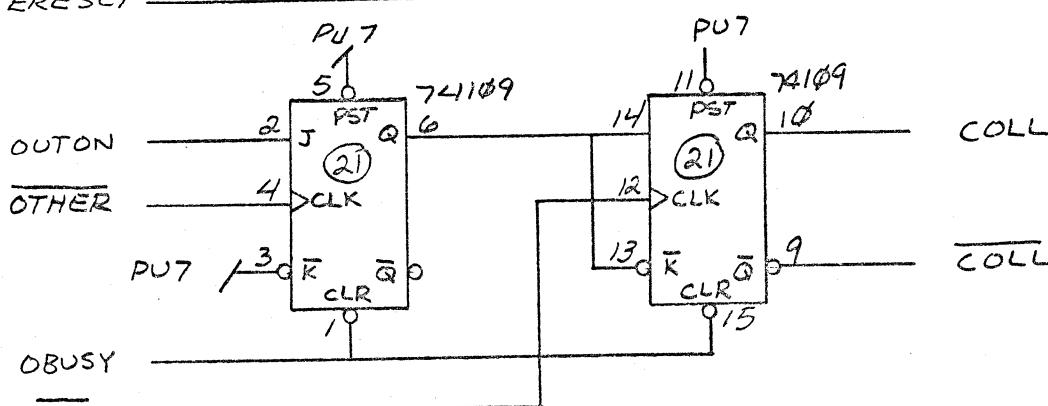
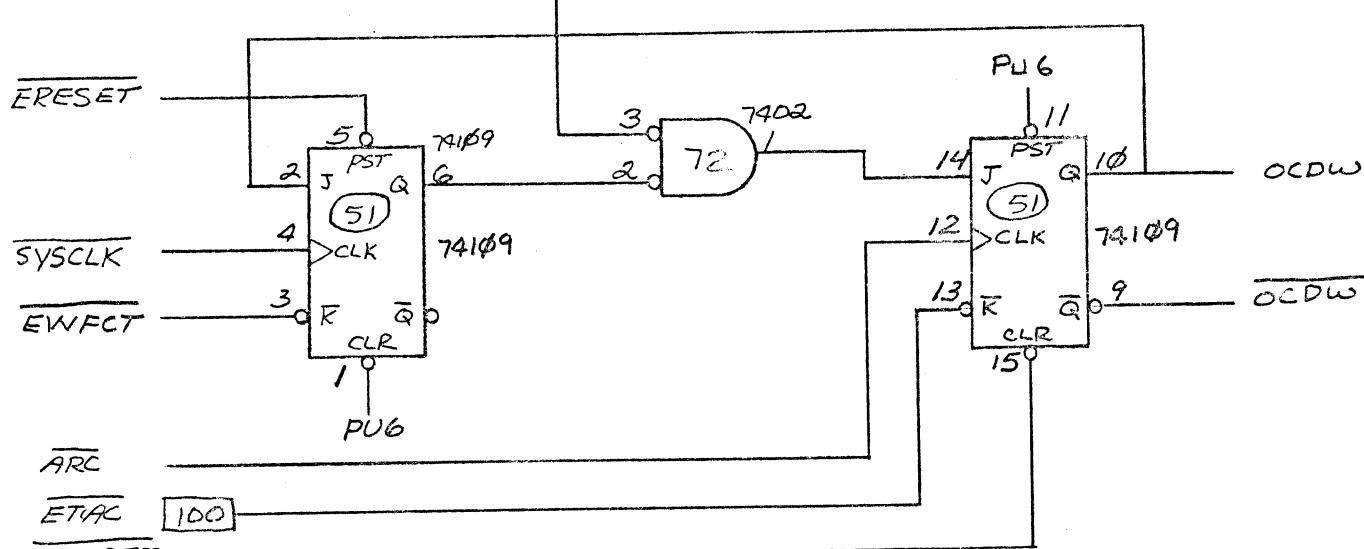
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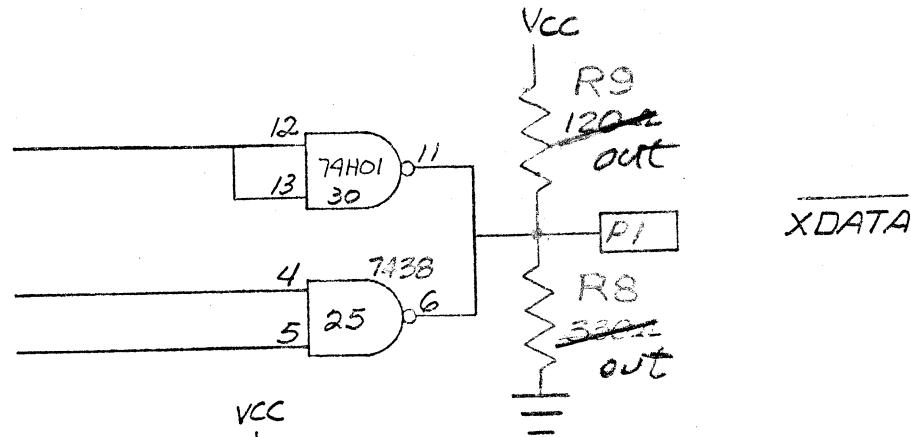
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Sheet 19 Of

COLL

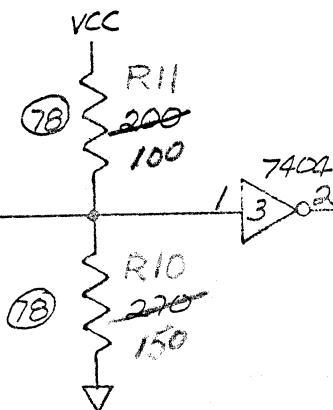
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COLL



TROTHER

OTHER

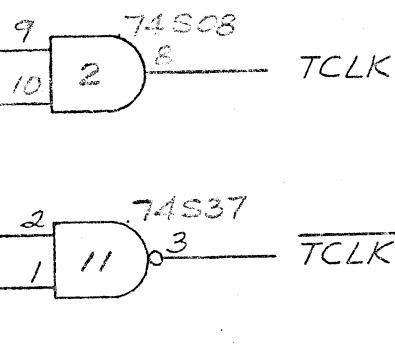


DBARC

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OK TORUN

11



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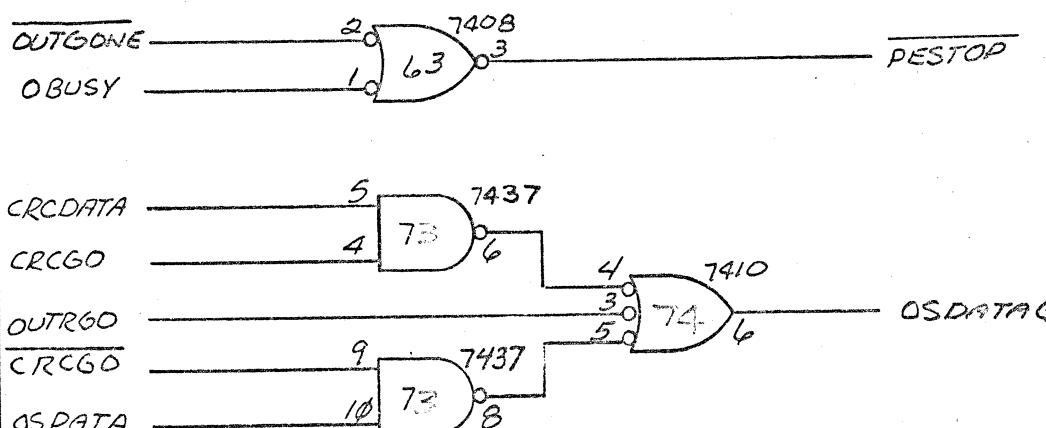
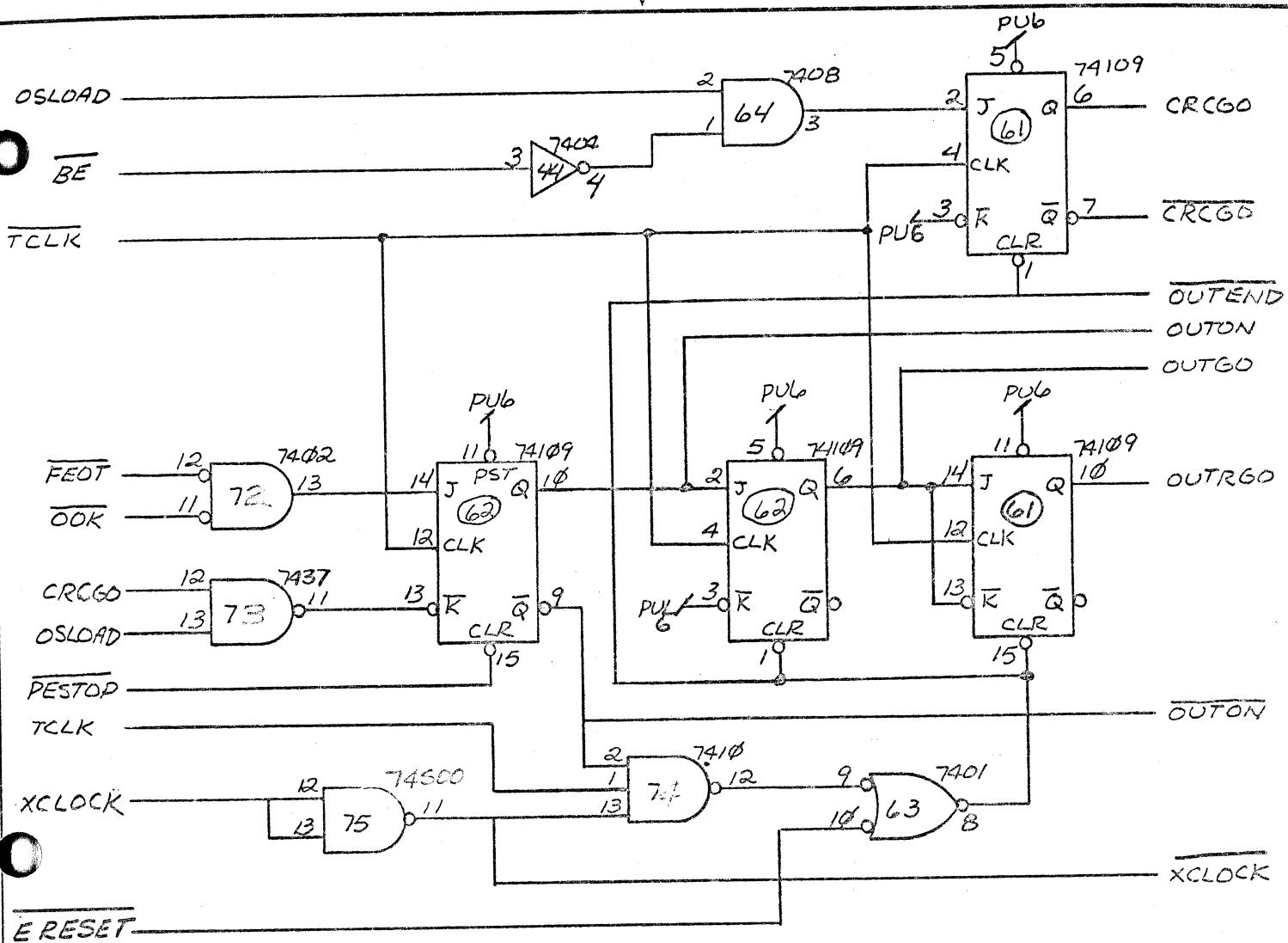
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216333

21 81

n.c.
n.c.
n.c.
n.c.

RDCNT
BUSY
PU4

3 A CY 15 n.c.

4 B
5 C
6 D (58)

2 >CLK
1 CLR QA 14
7 P QB 13
10 T QC 12
9 LOAD QD 11
74161

n.c.
n.c.
n.c.
n.c.

WE
BUSY
PU4

3 A QA 14
4 B QB 13
5 C QC 12
6 D QD 11

2 >CLK CY 15 N.C.
1 CLR
7 P (59)
10 T
9 LOAD
74161

RW

74161

2 1A
5 2A
11 3A
14 4A (4B)
3 1B
6 2B
10 3B
13 4B
5 6
1 7
9 15

4 MA0
7 MA1
9 MA2
12 MA3

P3601

1K PU@38

15 A7 01 12 X 14 BE
1 A6 02 11 X 15 BNE
2 A5 03 10 X 10 BNNE
3 A4 04 9 X 9 BF

(49)

13 C1
14 C2
"AFIFO"

HALF DUPLEX BUFFER

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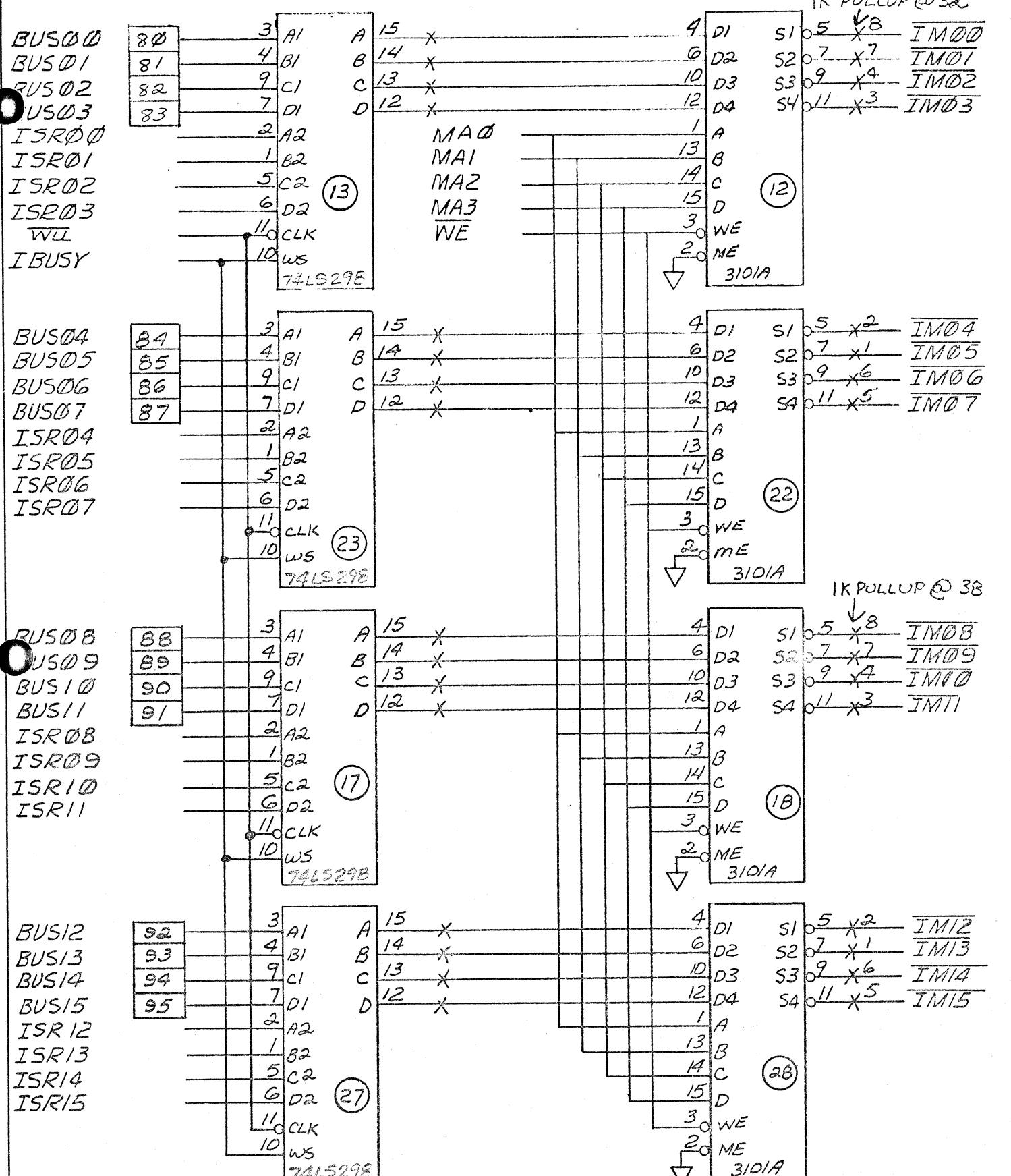
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