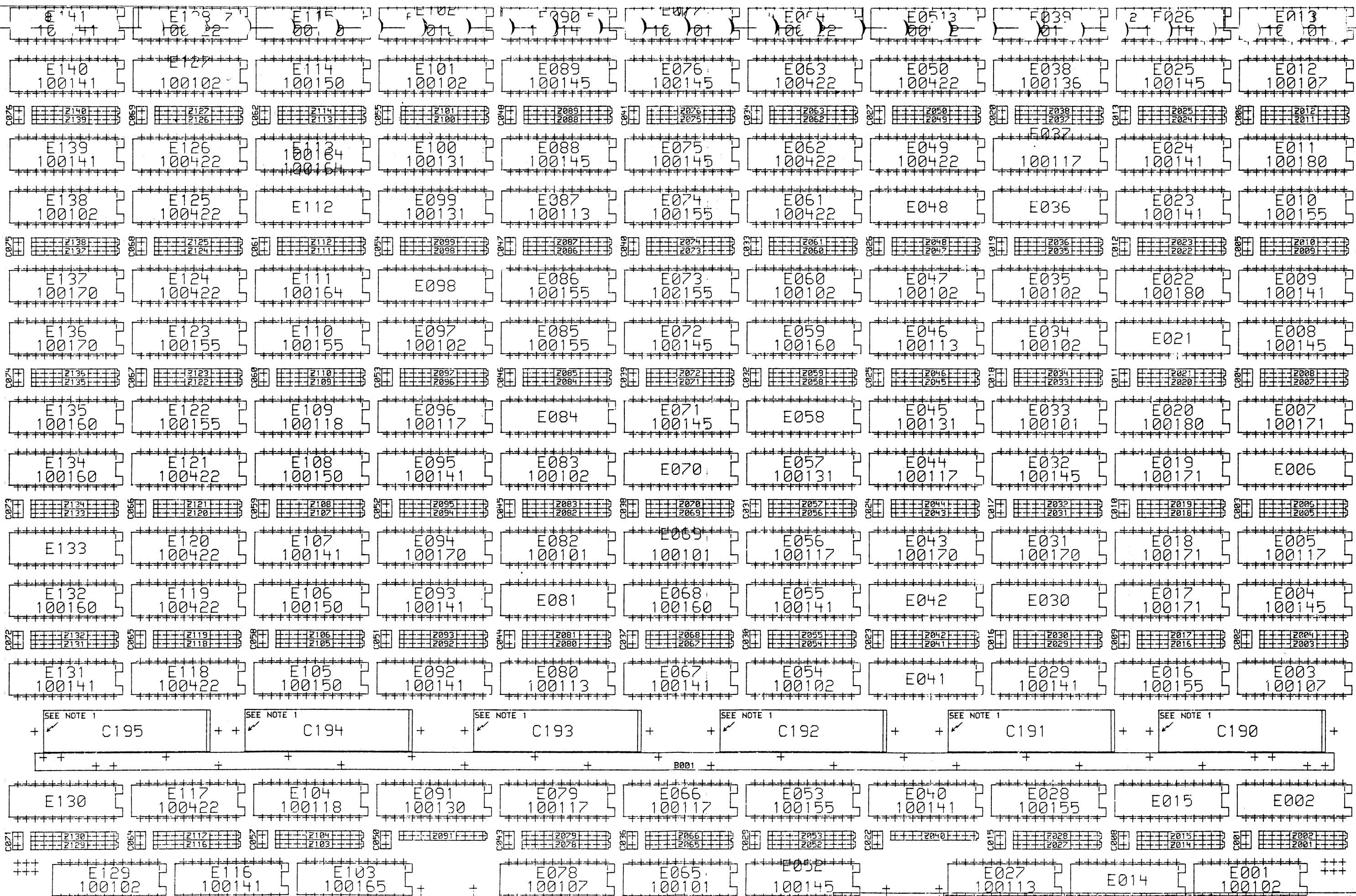


PROTOJ:<2080.L0045>ISQ1
PROTOJ:<2080.L0045>ISQ2
PROTOJ:<2080.L0045>ISQ3
PROTOJ:<2080.L0045>ISQ4
PROTOJ:<2080.L0045>ISQ5
PROTOJ:<2080.L0045>ISQ6
PROTOJ:<2080.L0045>ISQ7
PROTOJ:<2080.L0045>ISQ8
PROTOJ:<2080.L0045>ISQ9
PROTOJ:<2080.L0045>ISQA
PROTOJ:<2080.L0045>ISQB
PROTOJ:<2080.L0045>ISQC
PROTOJ:<2080.L0045>ISQD
PROTOJ:<2080.L0045>ISQE
PROTOJ:<2080.L0045>ISQF
PROTOJ:<2080.L0045>ISQG
PROTOJ:<2080.L0045>ISQH
PROTOJ:<2080.L0045>ISQI
PROTOJ:<2080.L0045>ISQJ
PROTOJ:<2080.L0045>ISQK
PROTOJ:<2080.L0045>ISQL
PROTOJ:<2080.L0045>ISQM



DRN: 14-OCT-82
 DATE: 14-OCT-82
 BOARD LOCATION: ISU UNIT ASSEMBLY
 REV. *

TAG TO MBOX

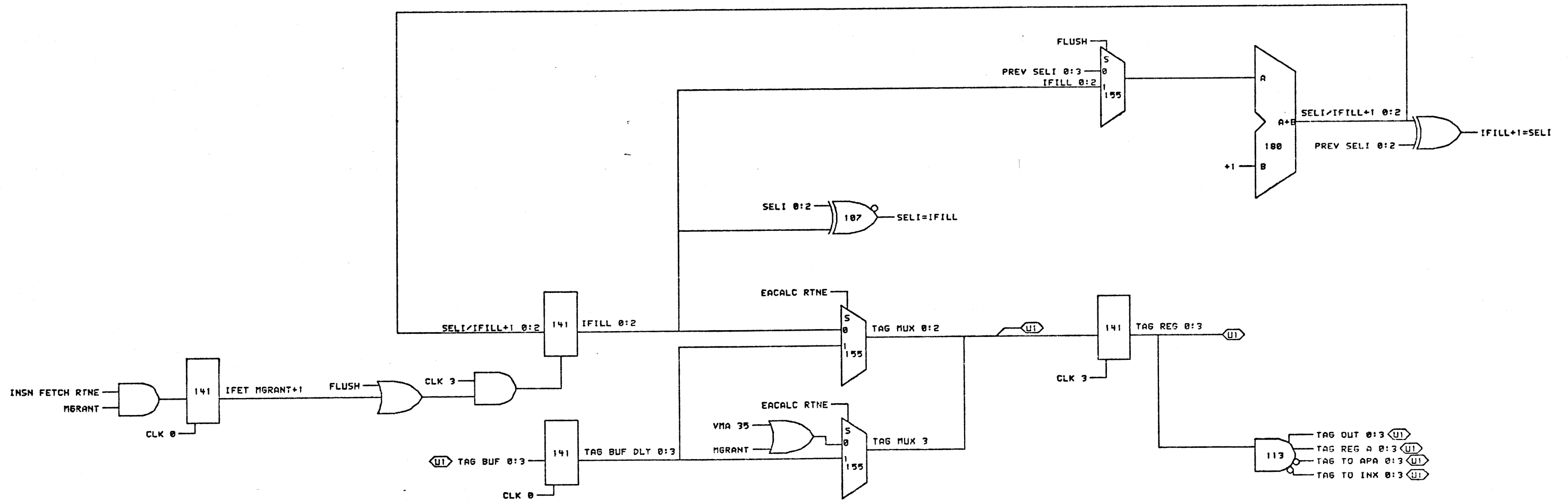
A FOUR BIT 'TAG' FIELD IS SENT TO THE M BOX WITH EACH I BOX REQUEST

THIS 'TAG' SHOULD BE 'IFILL' WHENEVER AN INSTRUCTION IS FETCHED
OR 'TAG BUF DLY' WHEN AN OPERAND IS FETCHED

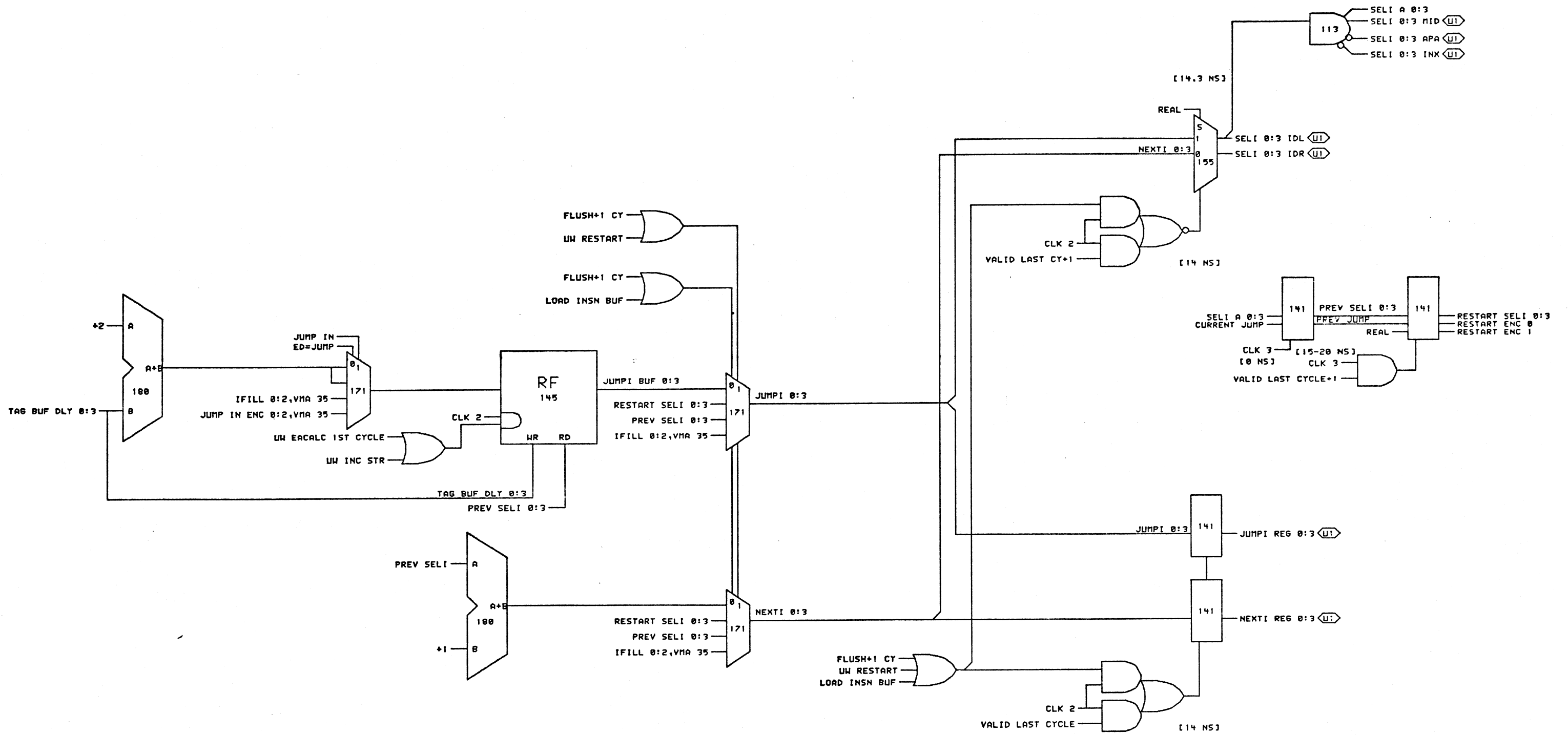
[OPERANDS ARE ONLY FETCHED DURING AN EACALC OR RE-EACALC ROUTINE]
IFILL IS A 3 BIT COUNTER WHICH POINTS AT THE NEXT FREE SLOT IN THE BUFFERS.

IFILL IS INCREMENTED WHENEVER AN INSTRUCTION IS FETCHED
AND LOADED WITH SELI+1 ON A FLUSH TO ENSURE WE DO NOT TRAMPLE OVER THE PREVIOUS INSTRUCTION.

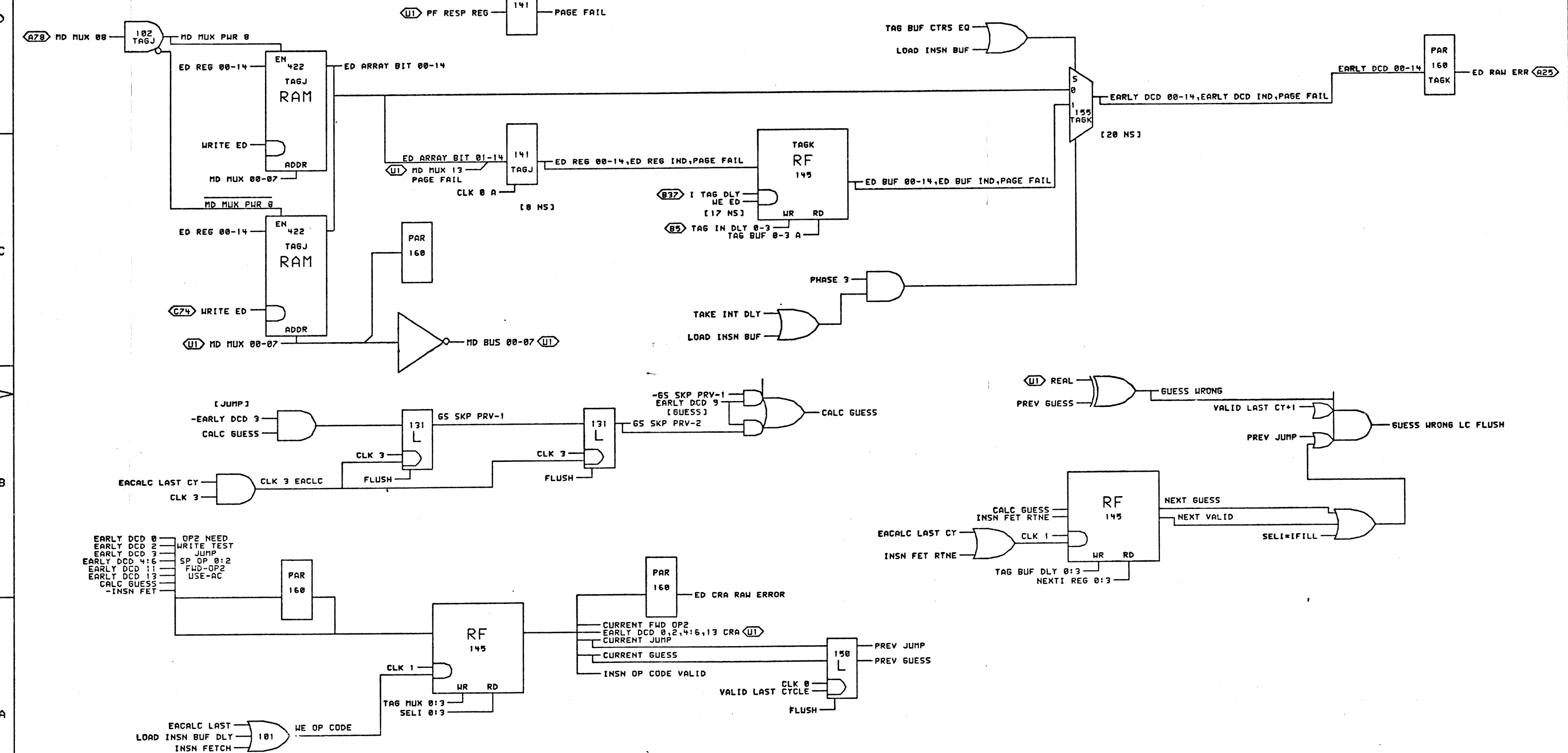
IF IFILL EQUALS SELI THE INSTRUCTION IS CONSIDERED 'INVALID'
IF IFILL+1 EQUALS SELI THEN NO MORE INSTRUCTIONS SHOULD BE PREFETCHED.



DRN.	DATE	ENG.	DATE	TITLE:	TAG TO MBOX LOGIC		
CHK'D.	DATE	BOARD LOCATION:	SHEET	OF	SIZE	CODE	NUMBER
PROJ: <2000.150>BLOCK3.DRW 21-SEP-02 13:15 NEXT HIGHER ASSEMBLY:				D	CS		REV.
FIRST USED ON OPTION/MODEL:							

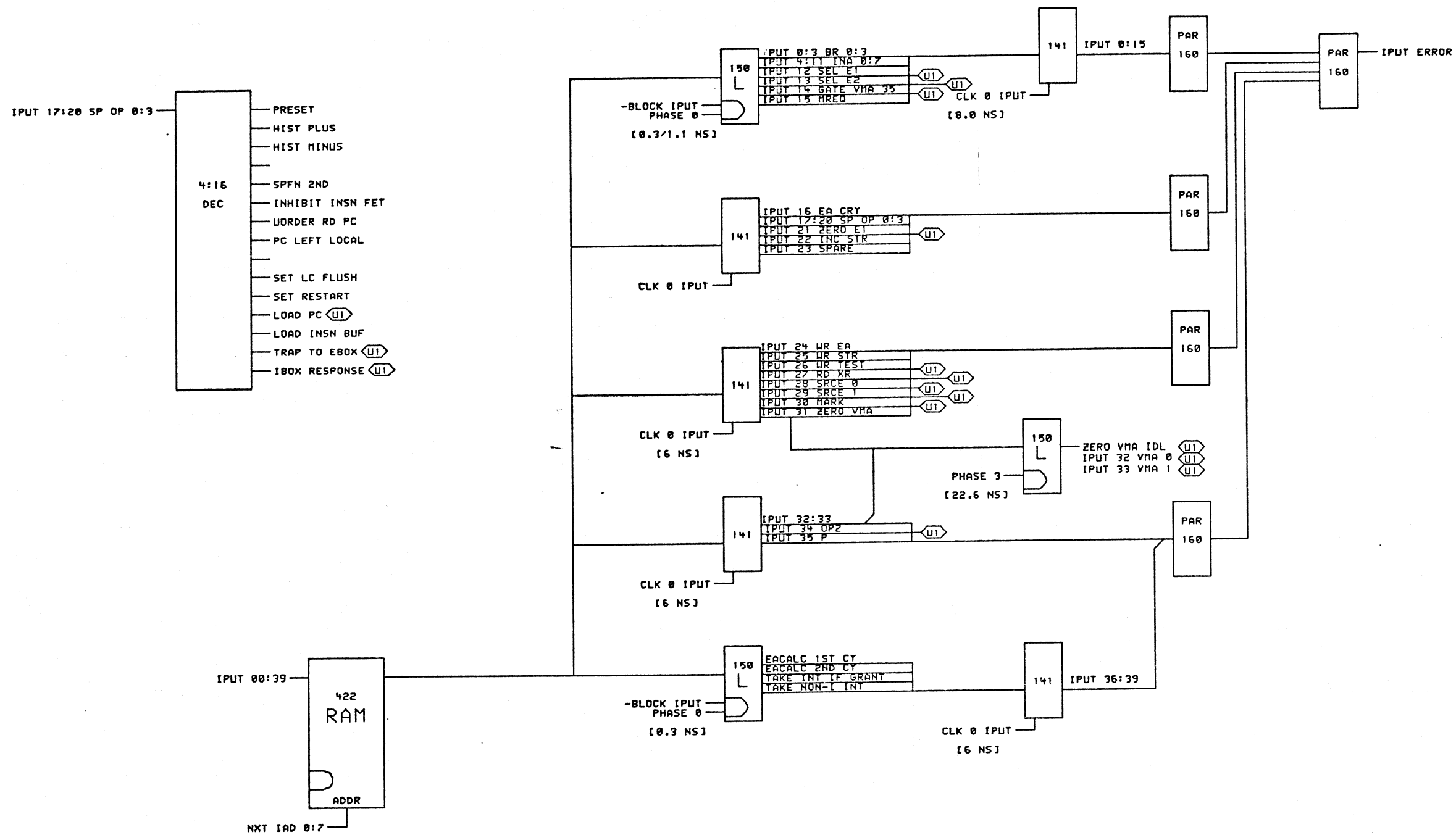


DRN.	DATE	ENG.	DATE	TITLE:
CHK'D.	20-SEP-82	20-SEP-82	12:56	NEXTI, JUMPI & SELI
PROT01: <2000.150>BLOCK4.DRW				BOARD LOCATION:
FIRST USED ON OPTION/MODEL:				SHEET
NEXT HIGHER ASSEMBLY:				OF
SIZE	CODE	NUMBER	REV.	
D	CS			



- EARLY DCD 0 OP2 NEED
- EARLY DCD 2 WRITE TEST
- EARLY DCD 3 JUMP
- EARLY DCD 4:6 SP OP 0:2
- EARLY DCD 11 FWD-OP2
- EARLY DCD 13 USE-AC
- CALC GUESS
- INSN FET

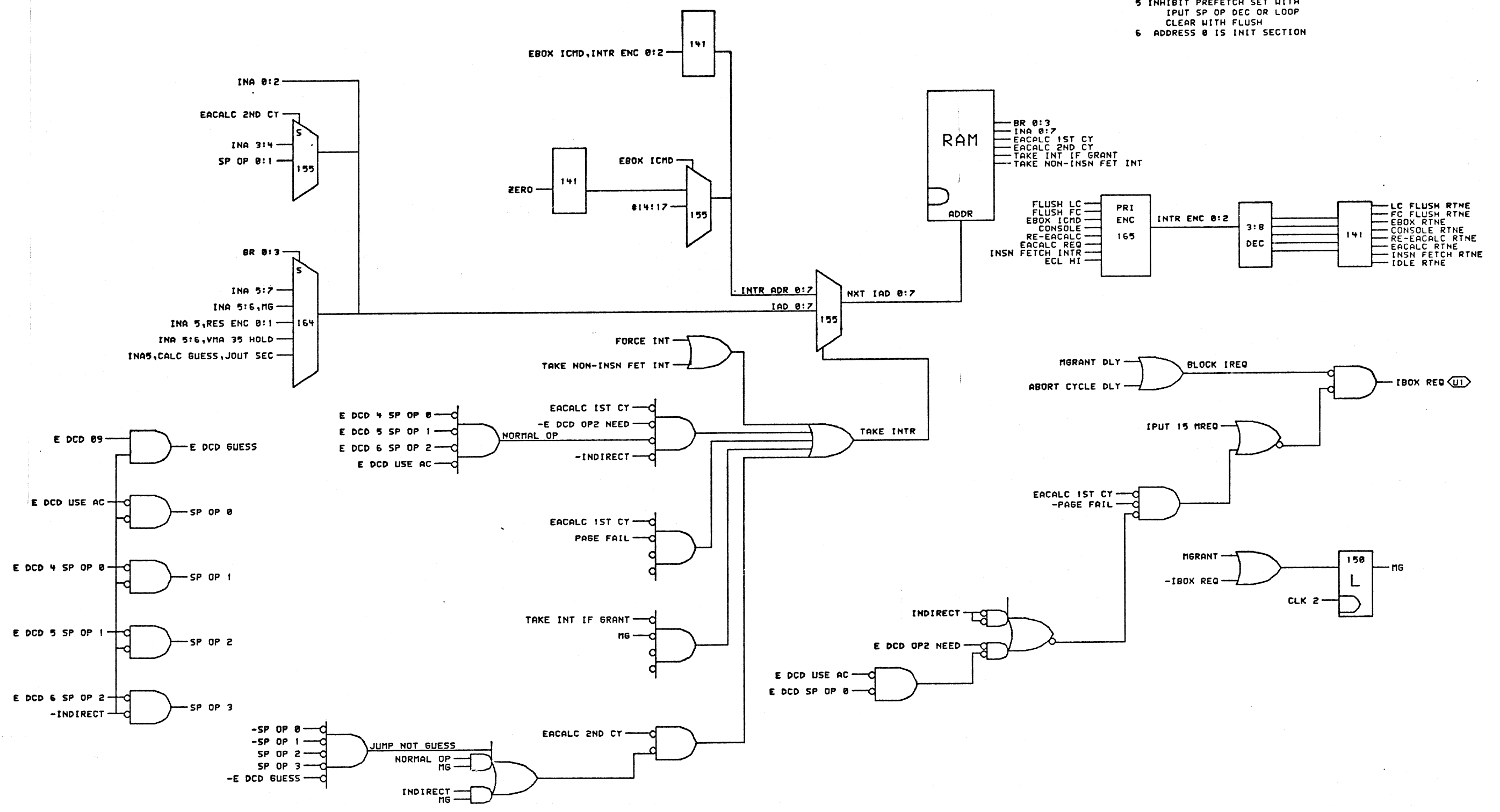
DRN.	DATE	ENG.	DATE	TITLE:
CHK'D.	DATE	BOARD LOCATION:		EARLY DECODE & GUESS
PROTOJ: <2000.150>BLOCK2.DRW [21-SEP-82 13:47]				SIZE CODE
FIRST USED ON OPTION/MODEL:				NUMBER
				REV.



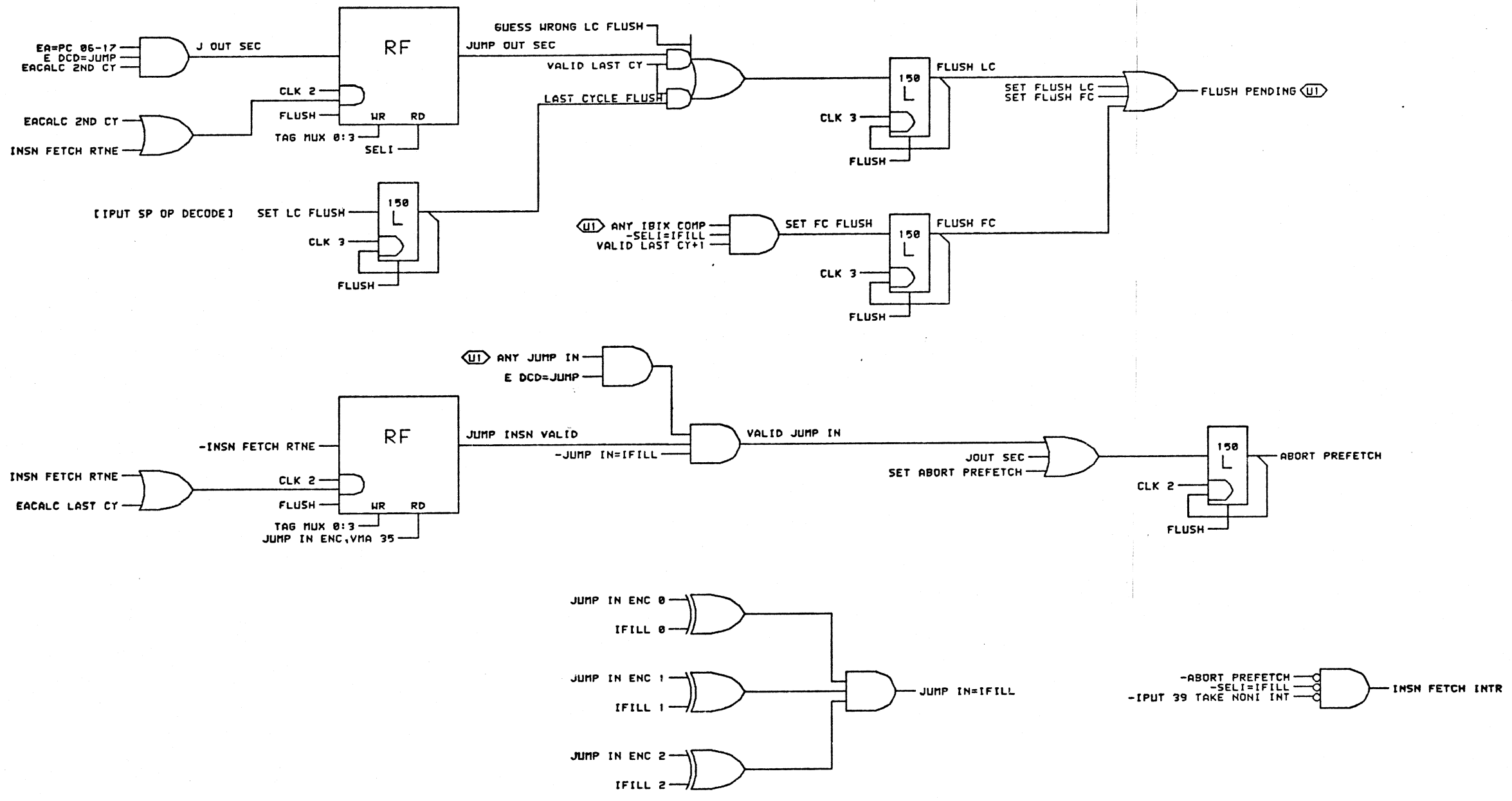
DRN.	DATE	ENG.	DATE	TITLE:
CHK'D.	16-SEP-82			INPUT OUTPUT REGISTERS
PROTJ: <2000.15Q>BLOCK7.DRW		DATE		BOARD LOCATION:
16-SEP-82 09:58		SHEET		OF
FIRST USED ON OPTION/MODEL:				NEXT HIGHER ASSEMBLY:
SIZE	CODE	NUMBER	REV.	
D	CS			

INPUT ADDRESSING

- 1 IDLE INT ALWAYS SET
- 2 DO NOT ENTER EACALC IF INSN PF OR INSN=AC OR NOT MAIN STREAM INSTRUCTION
- 3 EACALC 1ST CYC=UW BIT
- 4 EACALC 2ND CYC=UW BIT
- 5 INHIBIT PREFETCH SET WITH INPUT SP OP DEC OR LOOP CLEAR WITH FLUSH
- 6 ADDRESS 0 IS INIT SECTION



PRN.	DATE	ENG.	DATE	TITLE: INPUT ADDRESSING
CHK'D.	21-SEP-82	BOARD LOCATION:		
PROJ: <2000.15A>BLOCK5.DRW	21-SEP-82 14:15	SHEET	OF	
FIRST USED ON OPTION/MODEL:		EXT HIGHER ASSEMBLY:		
SIZE	CODE	NUMBER	REV.	
D	CS			

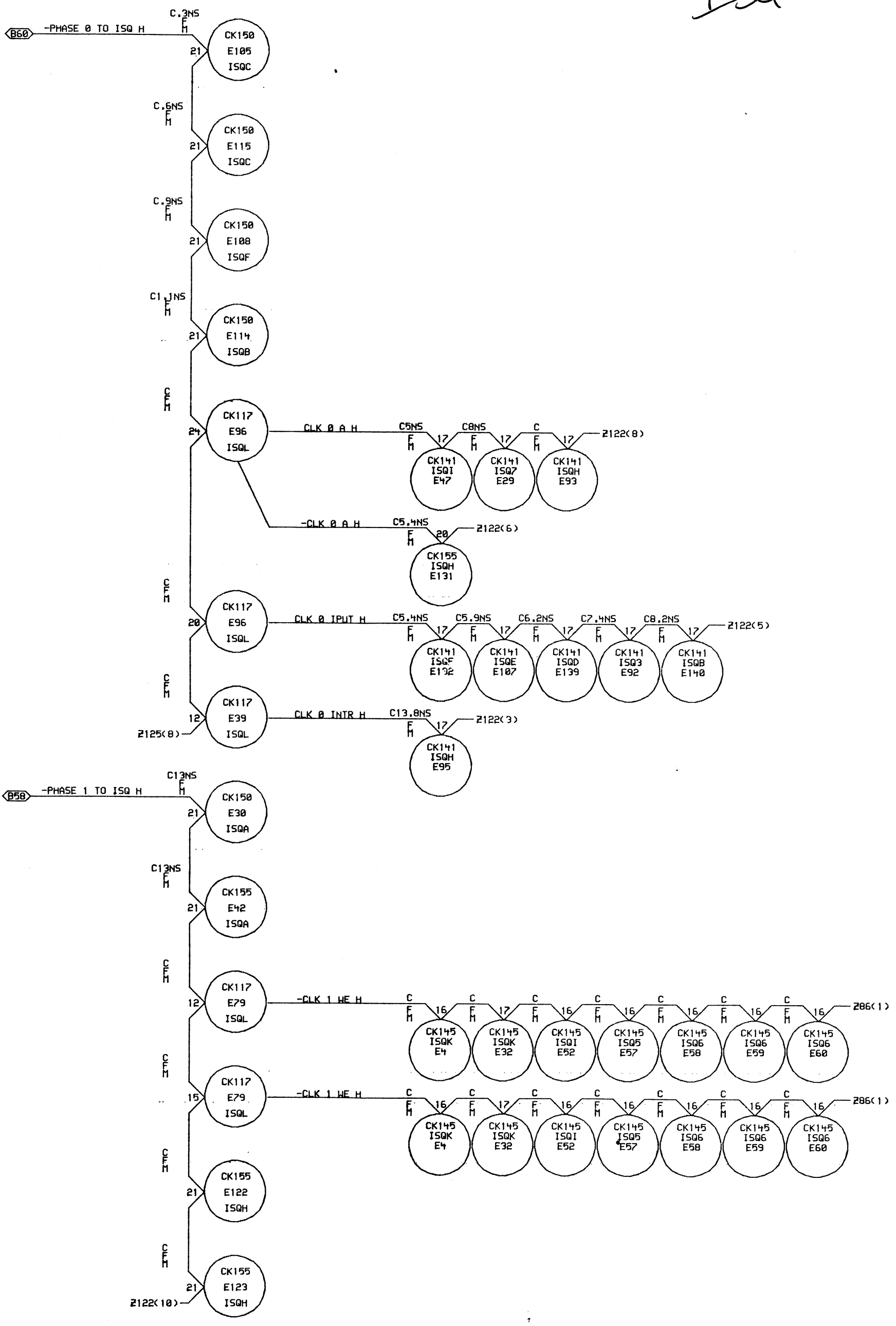


DRN.	DATE	ENG.	DATE	TITLE:	FLUSH JUMP IN VALID
CHK'D.	DATE	BOARD LOCATION:	SHEET	OF	
PROTJ: <2880.150>BLOCK6.DRW 21-SEP-82 13:28 NEXT HIGHER ASSEMBLY:				SIZE	CODE
FIRST USED ON OPTION/MODEL:				D	CS
				NUMBER	REV.

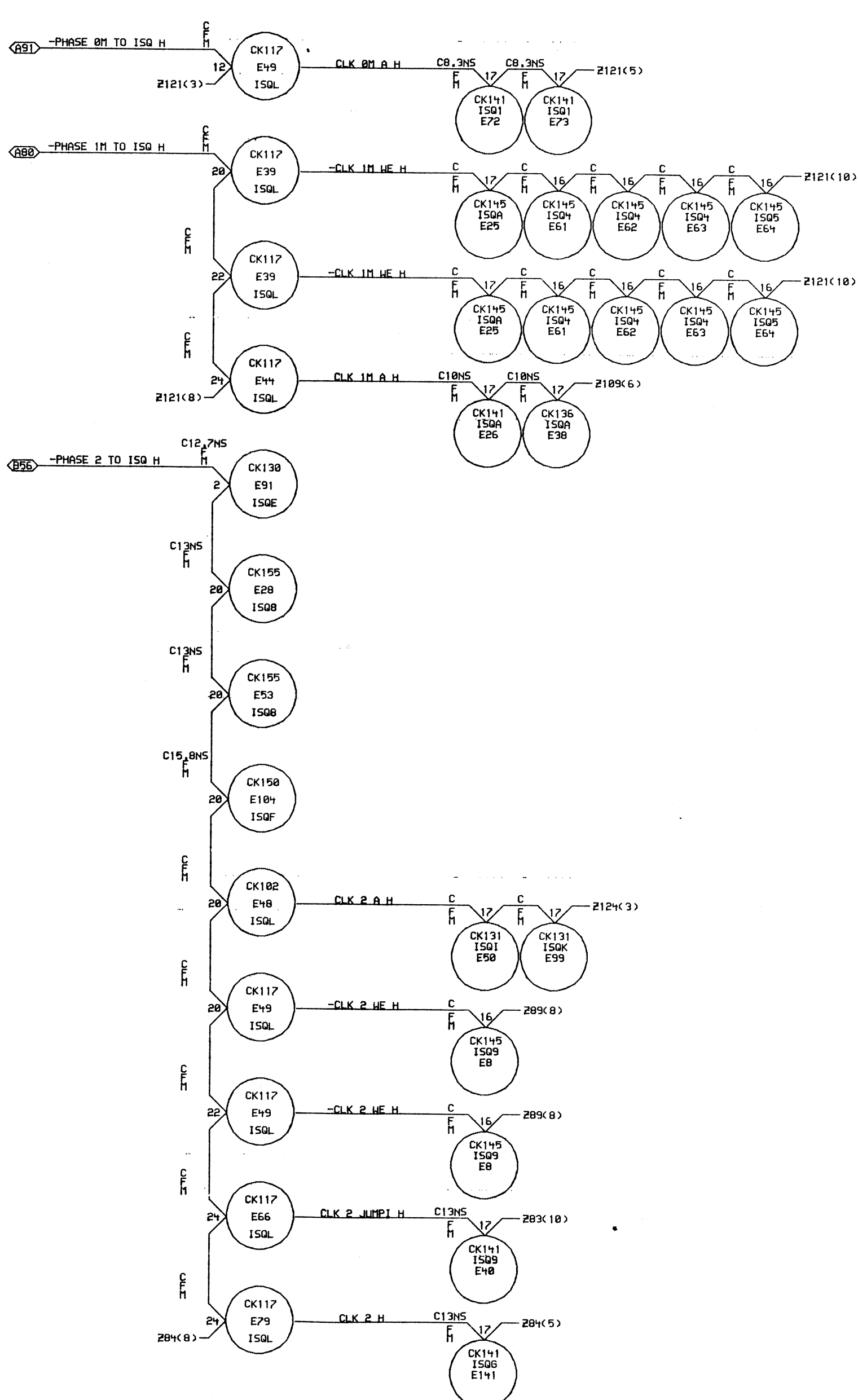
D
C
B
A

8 7 6 5 4 3 2 1

ISQ



DRN.	DATE	ENG.	DATE	TITLE:
CHK'D.	DATE	BOARD LOCATION:	SHEET	OF
PROTO: J:\2000_100-15>TINCHI.DRW 19-OCT-82 14:58				NEXT HIGHER ASSEMBLY:
FIRST USED ON OPTION/MODEL:		SIZE	CODE	NUMBER
		D	CS	



DRN.	DATE	ENG.	DATE	TITLE:
CHK'D.	DATE	BOARD LOCATION:	SHEET	OF
PROT.D. (2000.1001) T.MCHT2.DPH	19-OCT-82	15:16	NEXT HIGHER ASSEMBLY:	SIZE D CS
FIRST USED ON OPTION/MODEL:				NUMBER
				REV.

7 6 5 4 3 2 1

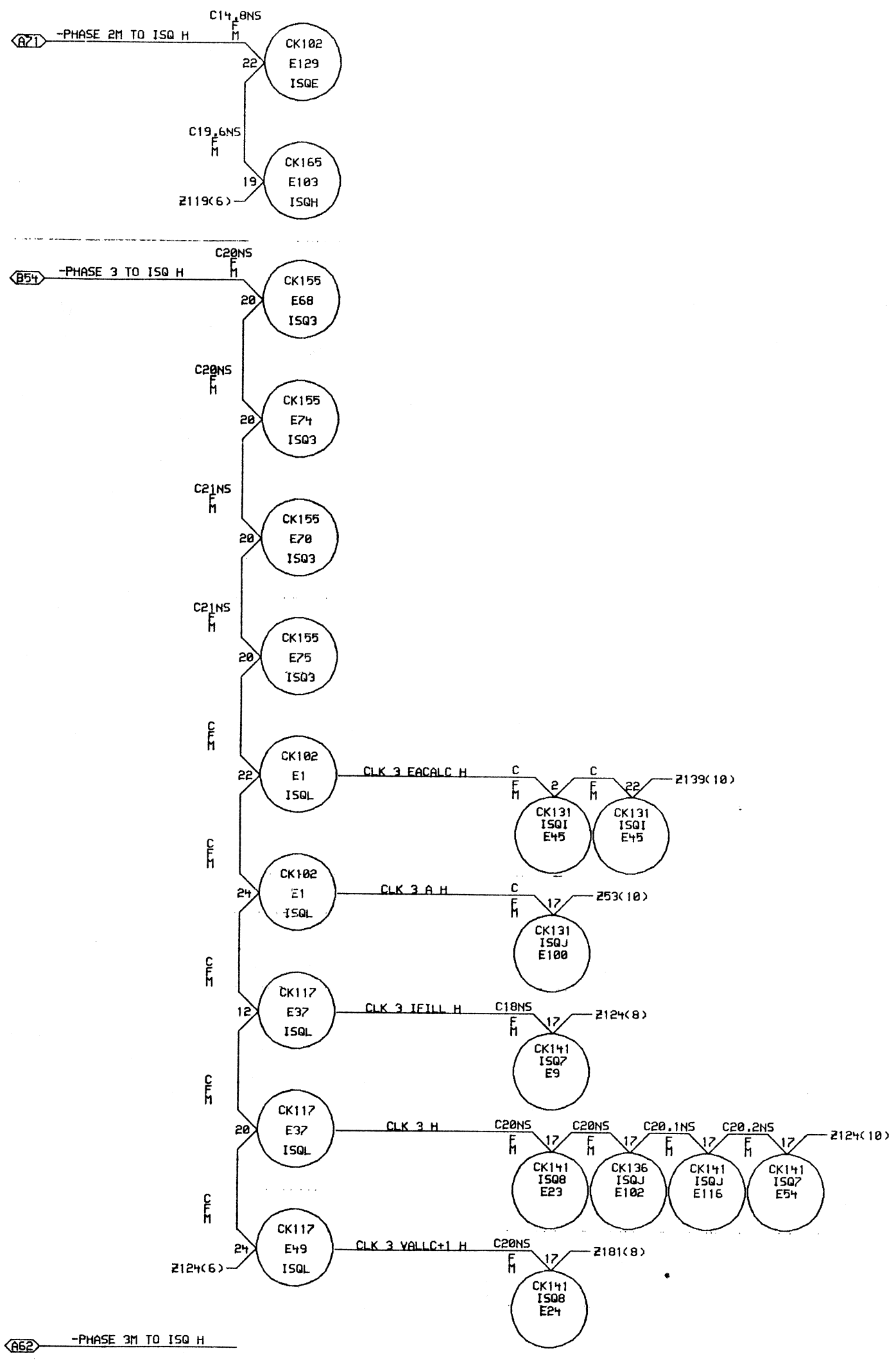
D

C

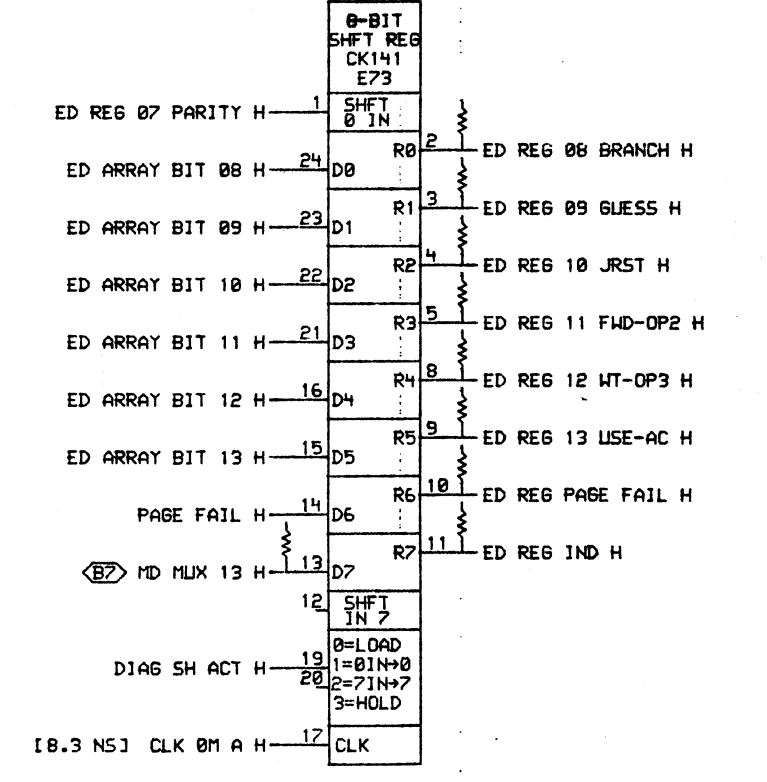
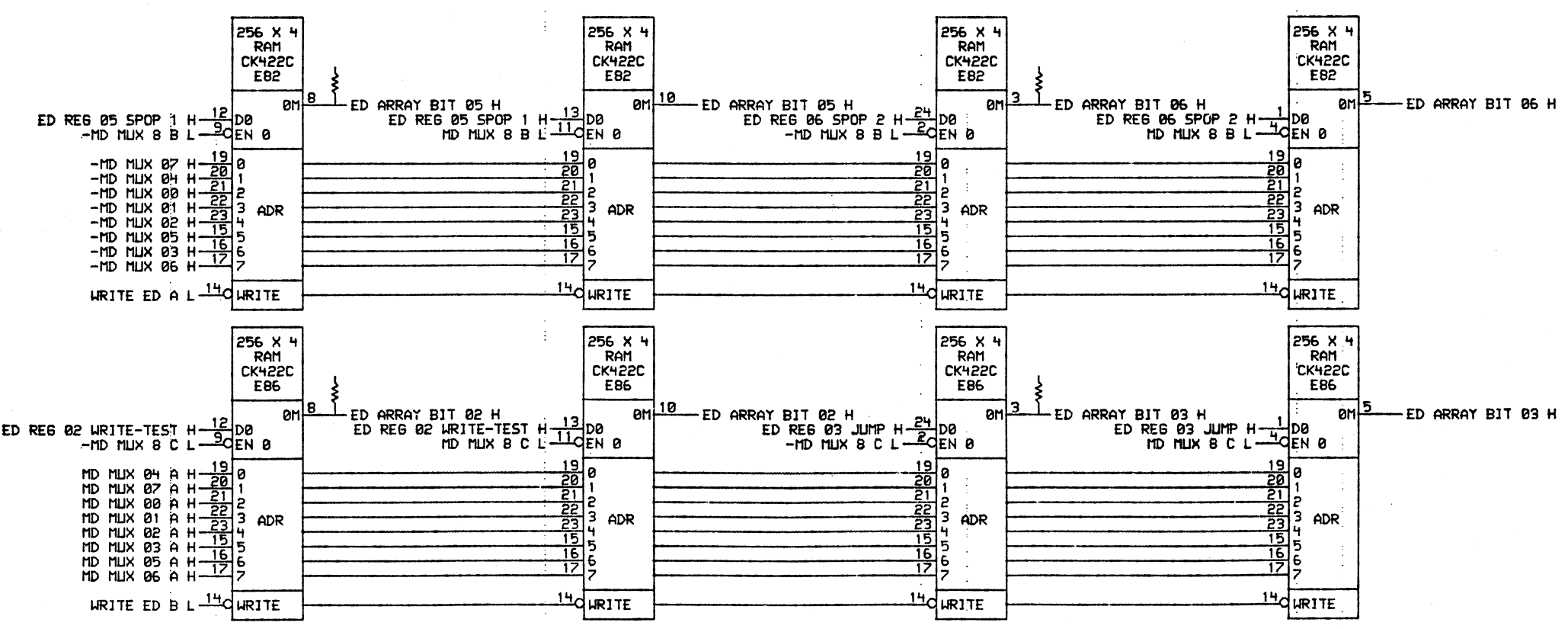
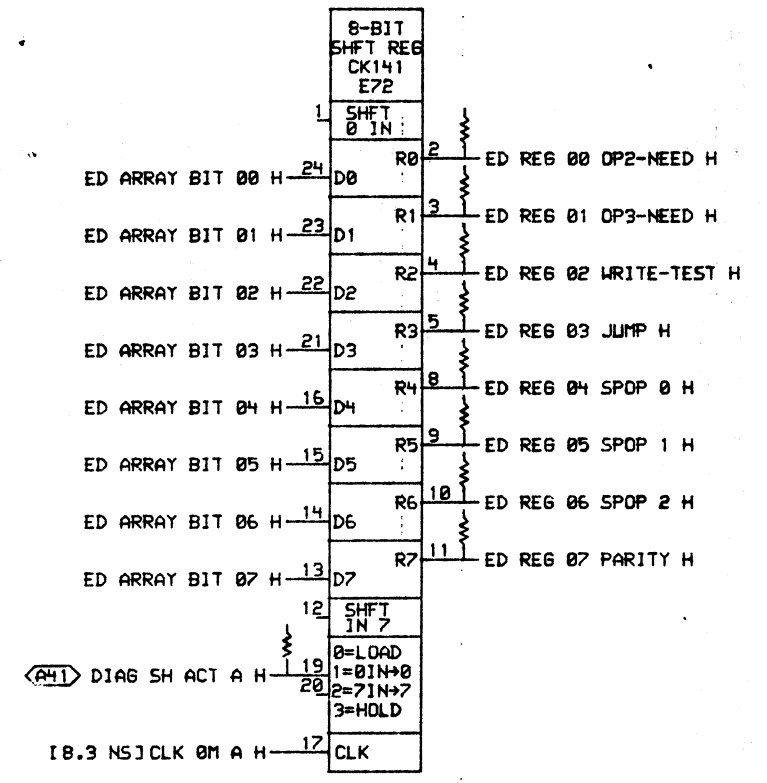
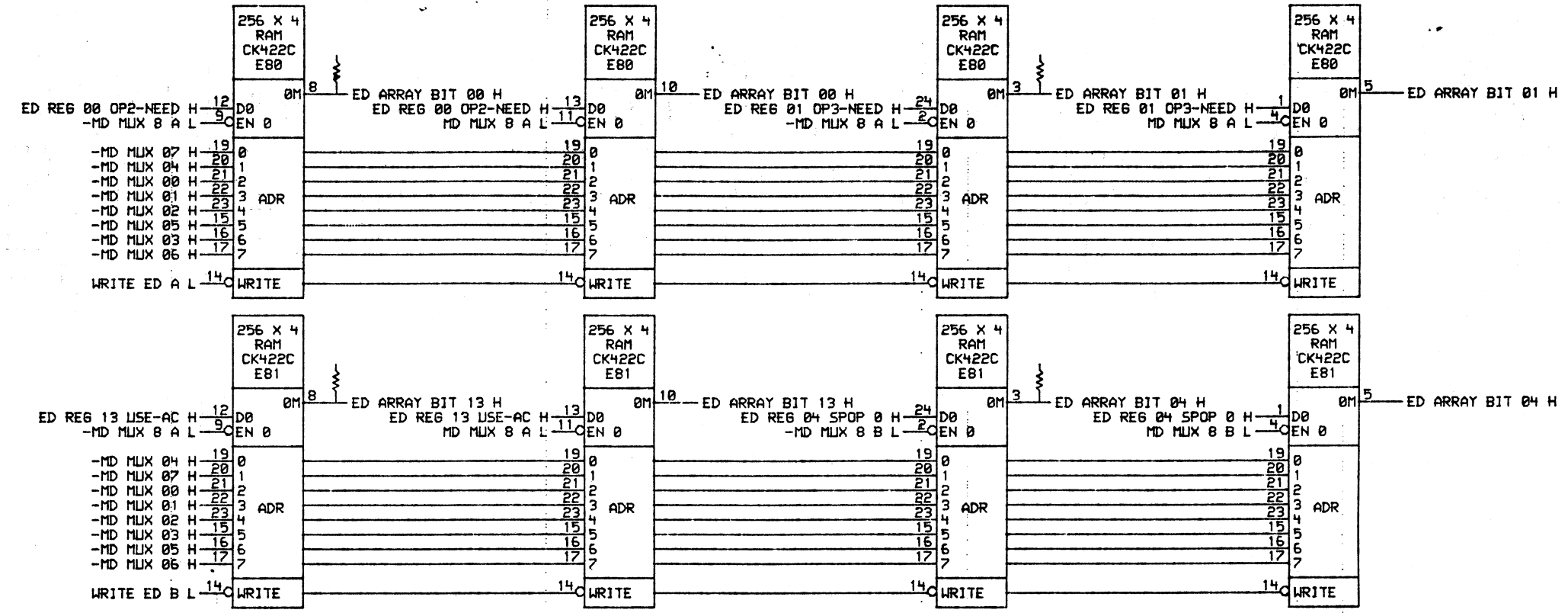
B

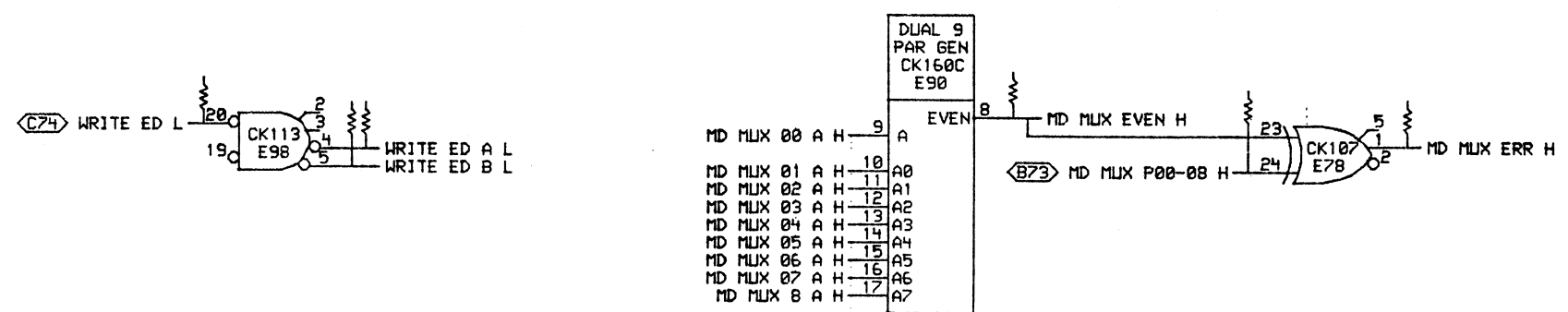
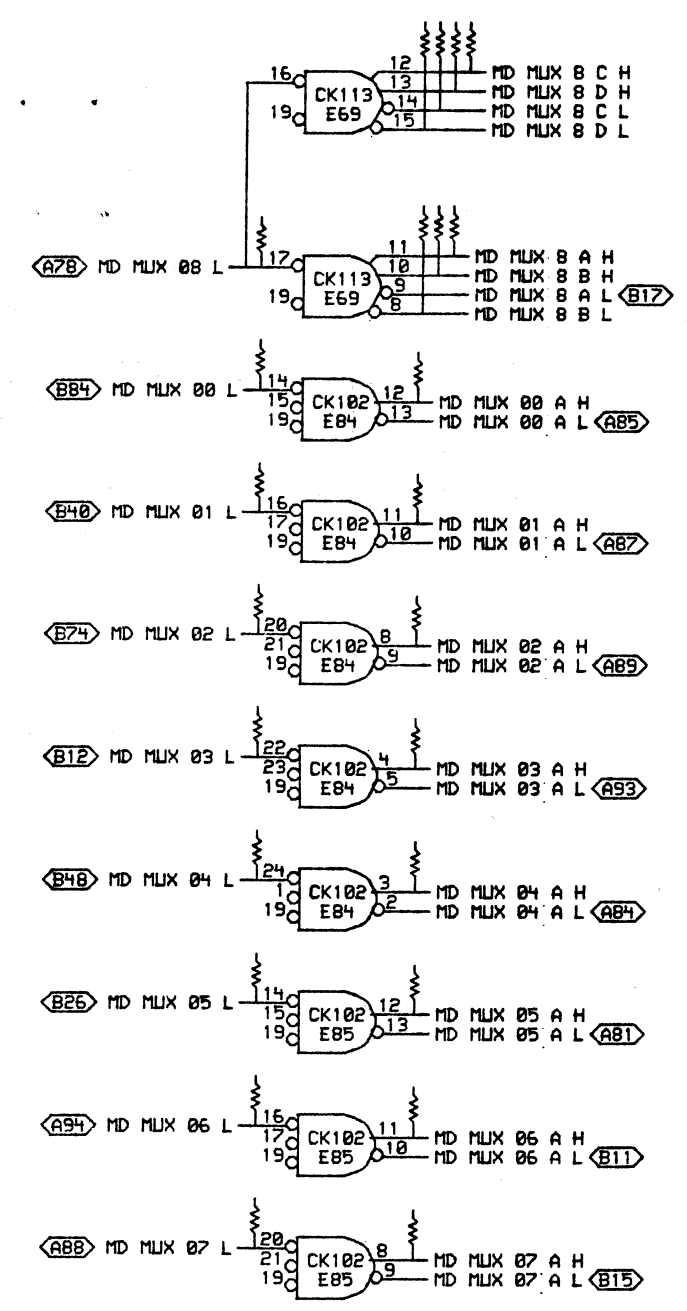
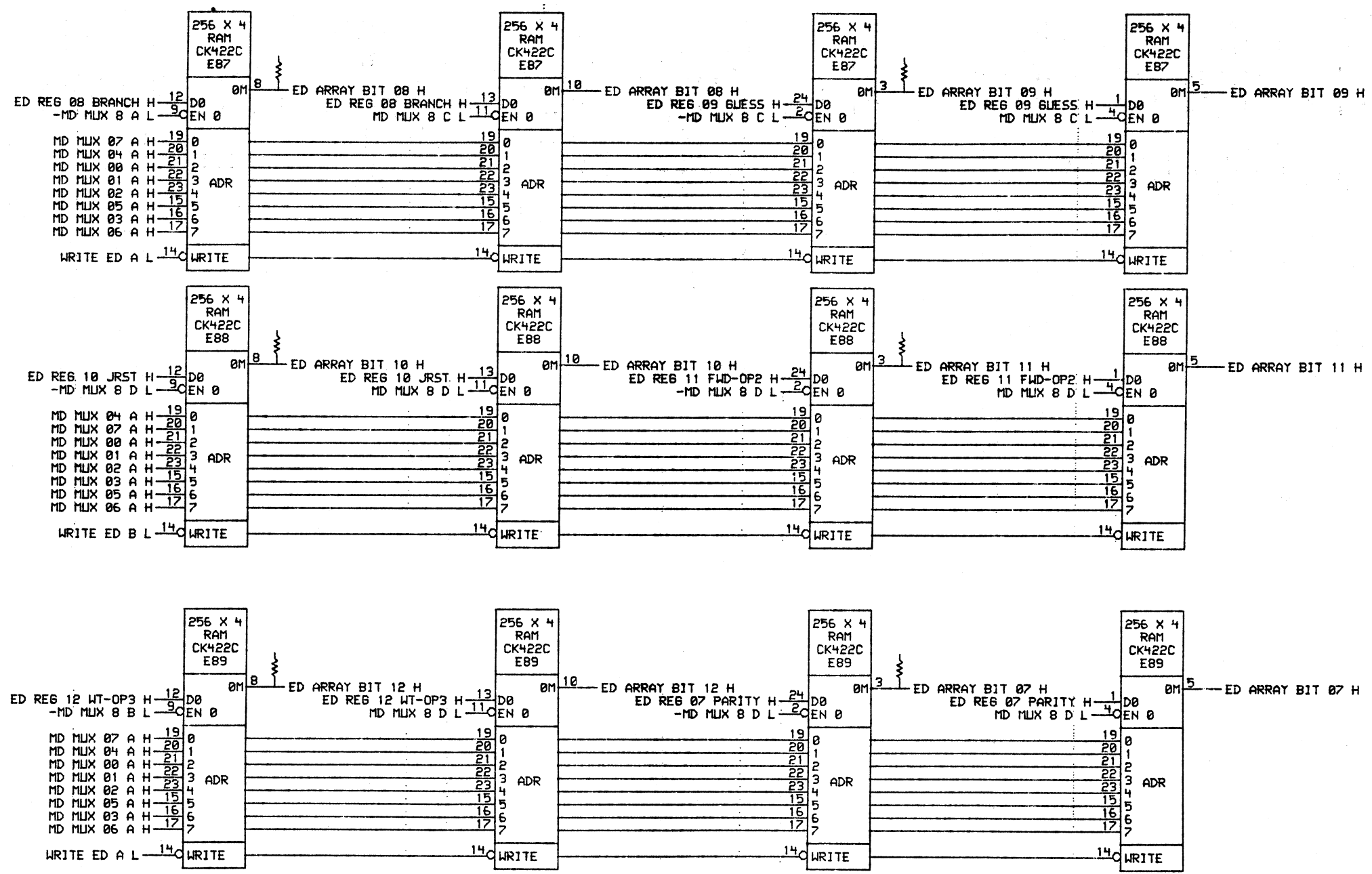
A

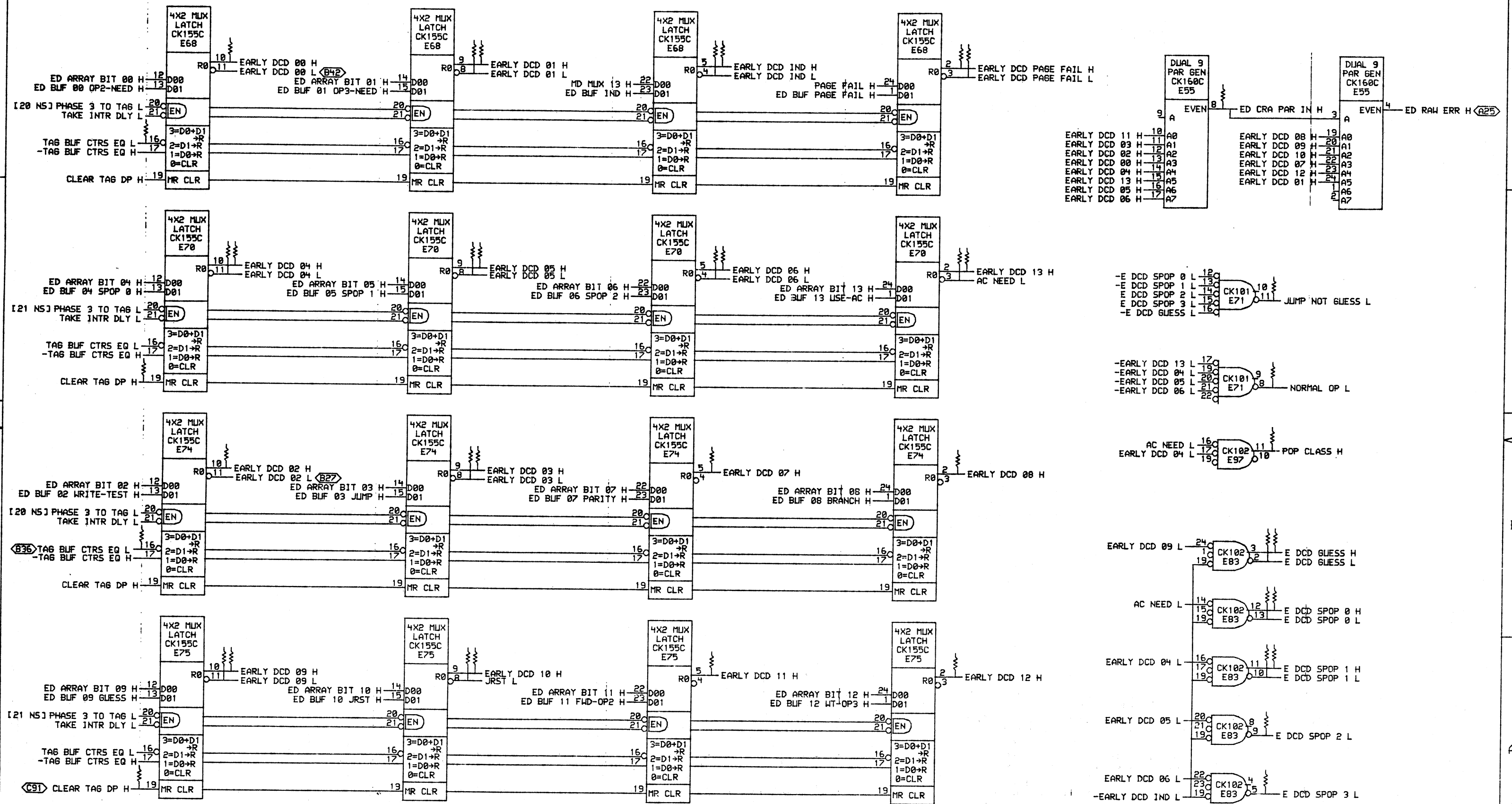
8 7 6 5 4 3 2 1



DRN.	DATE	ENG.	DATE	TITLE:
CHK'D.	DATE	BOARD LOCATION:		
PROJECT: <2000, L00-1> INCH3.DRN	19-OCT-82 15:37	NEXT HIGHER ASSEMBLY:	SIZE	CODE
FIRST USED ON OPTION/MODEL:			D	CS
			NUMBER	REV.

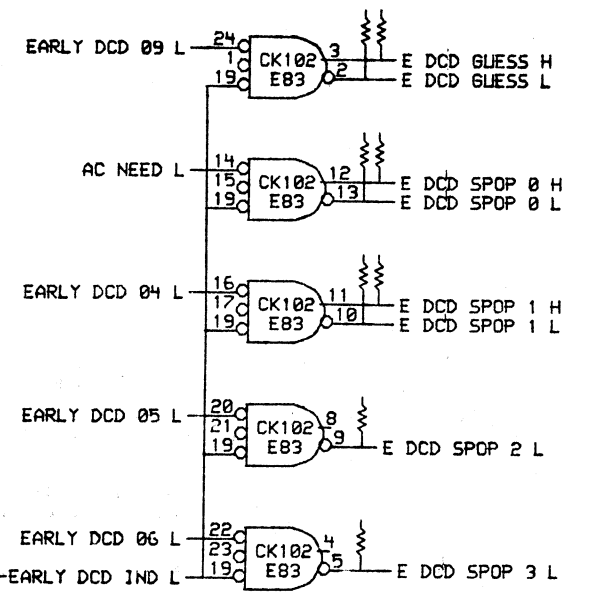
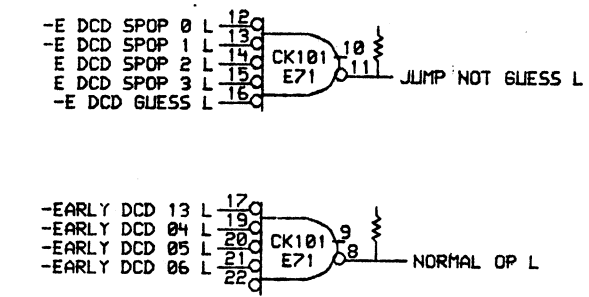




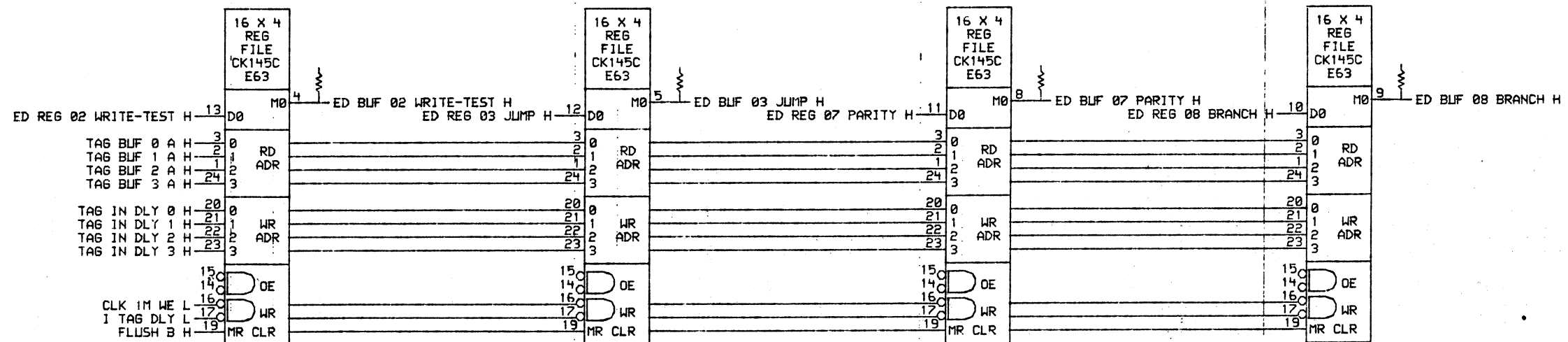
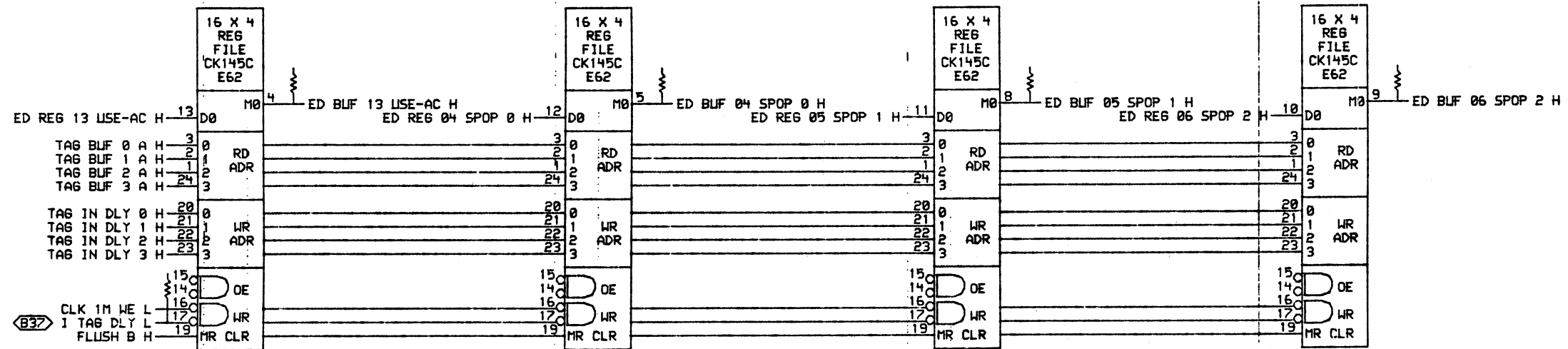
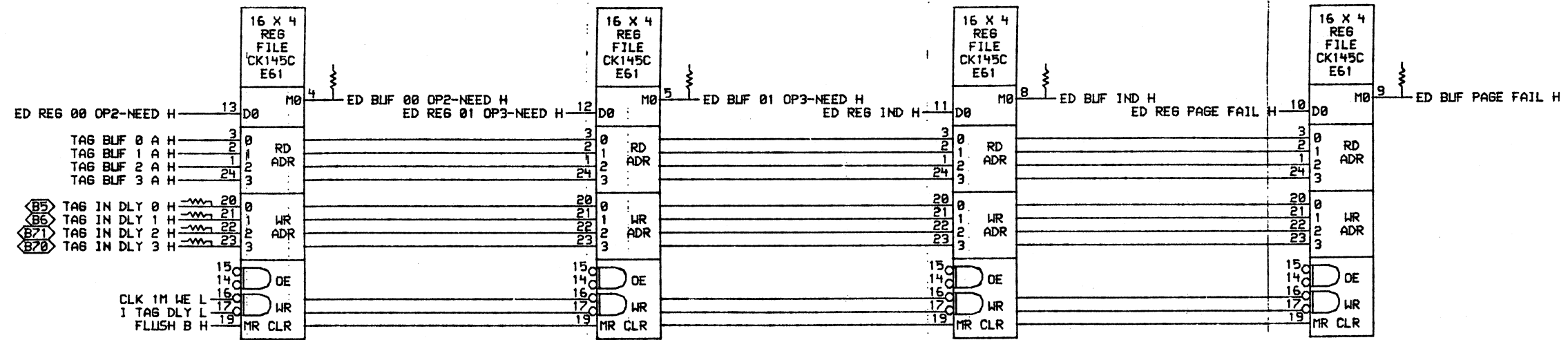


EARLY DCD 11 H	10	A0
EARLY DCD 03 H	11	A1
EARLY DCD 02 H	12	A2
EARLY DCD 00 H	13	A3
EARLY DCD 04 H	14	A4
EARLY DCD 13 H	15	A5
EARLY DCD 05 H	16	A6
EARLY DCD 06 H	17	A7

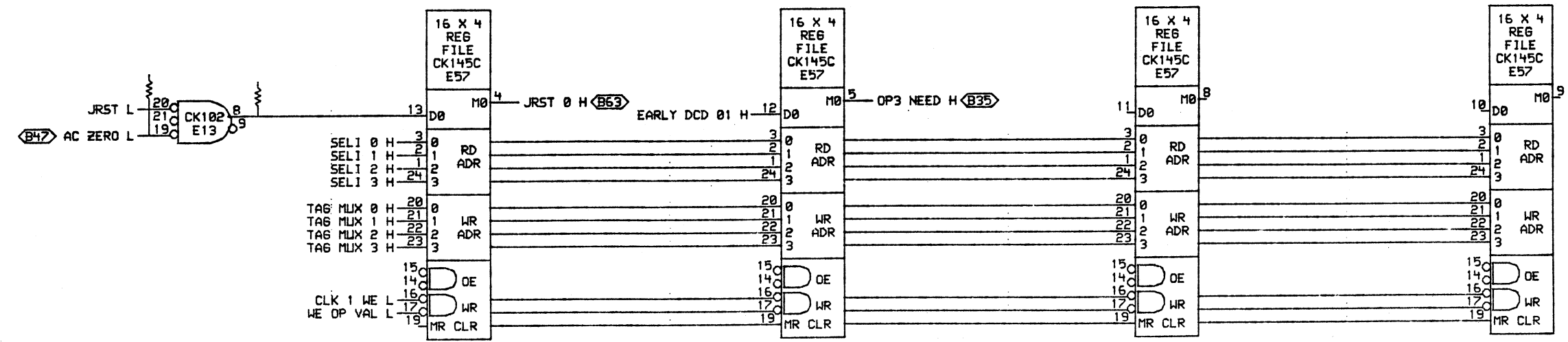
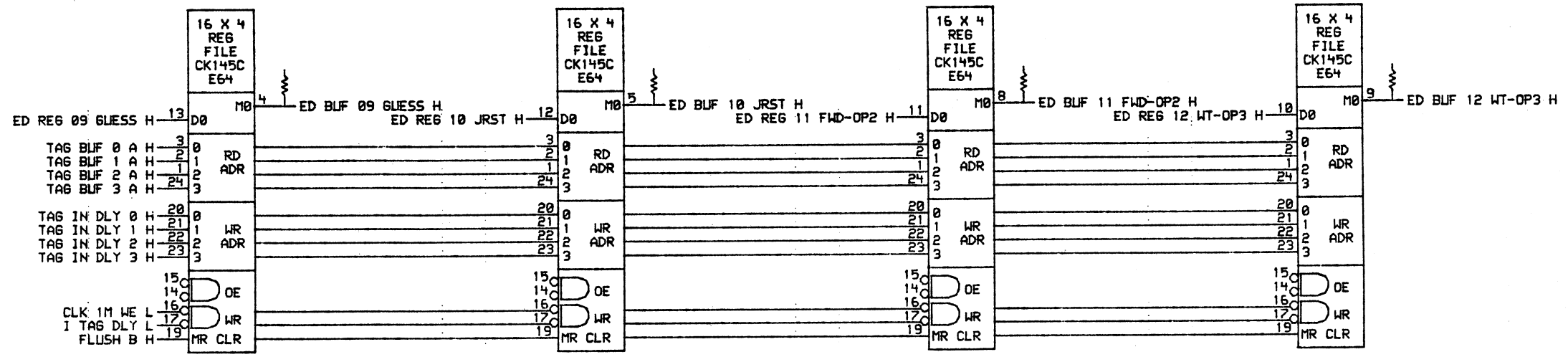
EARLY DCD 08 H	19	A0
EARLY DCD 09 H	20	A1
EARLY DCD 10 H	21	A2
EARLY DCD 07 H	22	A3
EARLY DCD 12 H	23	A4
EARLY DCD 01 H	24	A5
	25	A6
	26	A7



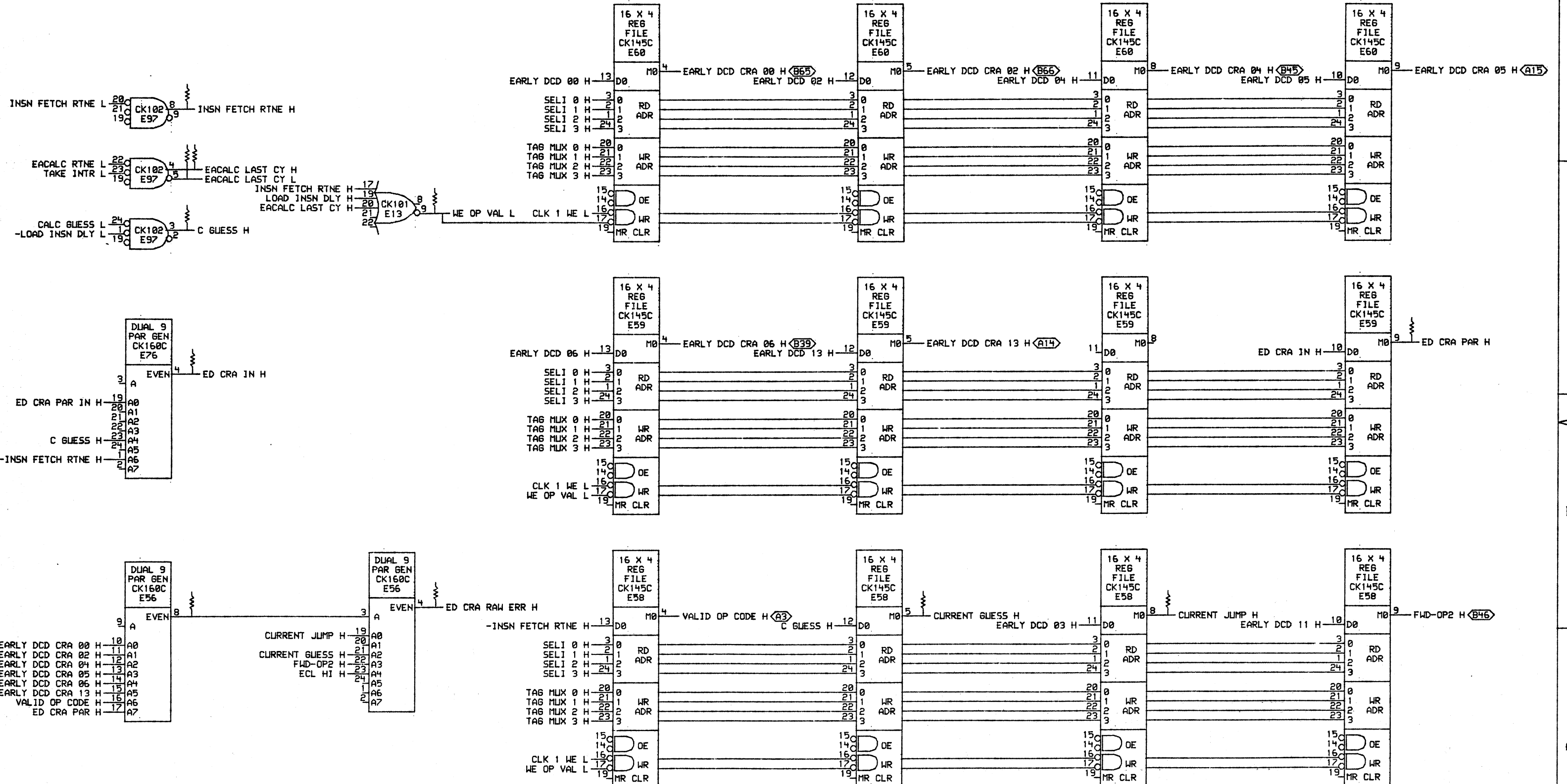
DRN.	DATE	ENG.	DATE	TITLE:	E DECODE BUF			
CHK'D.	DATE	BOARD LOCATION:	SHEET	OF	SIZE	CODE	NUMBER	REV.
PROTO: C2080.L0045>1503.DRW 11-OCT-82 12:13 NEXT HIGHER ASSEMBLY:				SIZE	D	CS	L0054-0-1503	REV.
FIRST USED ON OPTION/MODEL:								



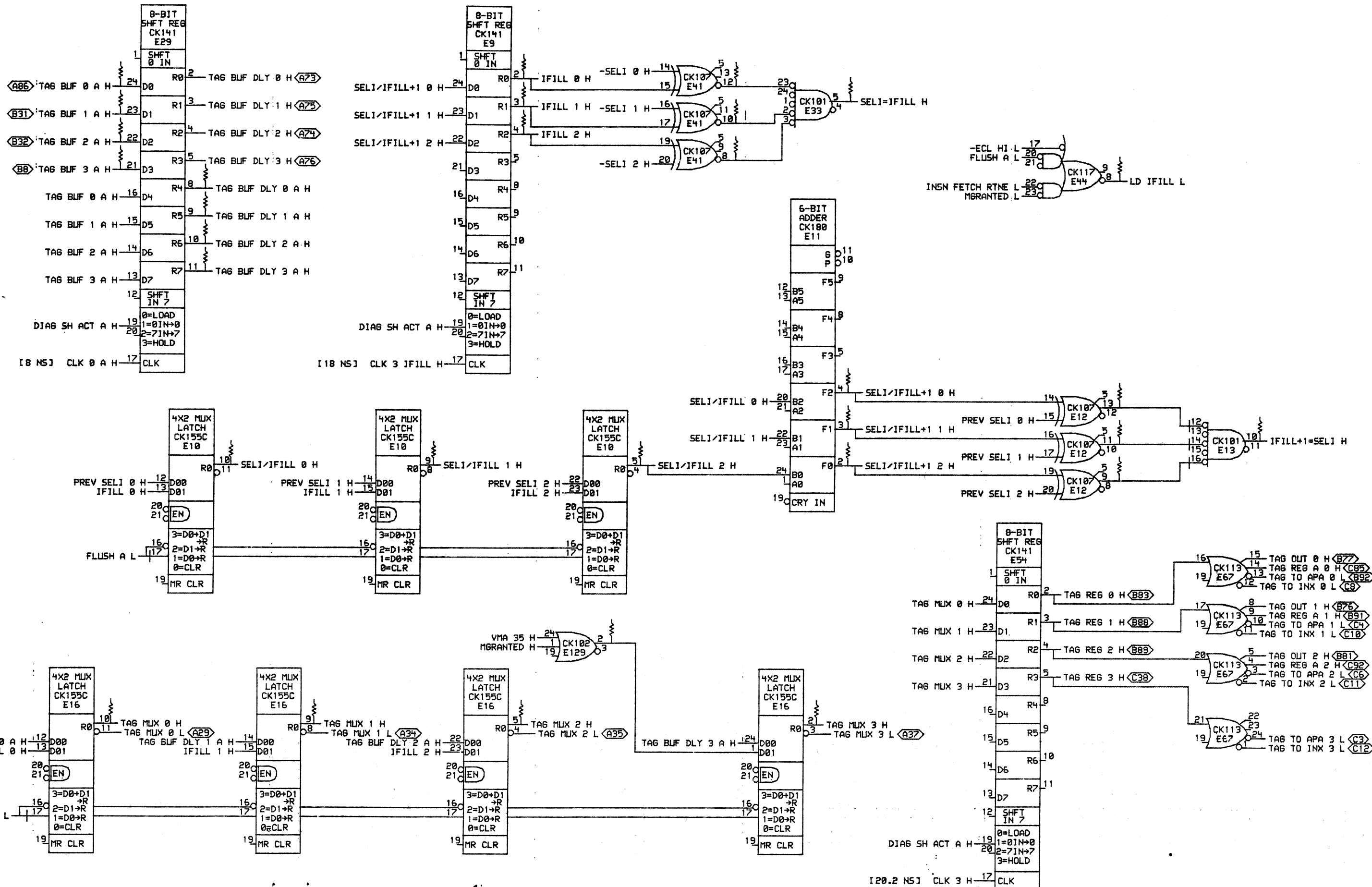
DRN.	DATE	ENG.	DATE	TITLE:	E DECODE BLF		
CHK'D.	13-OCT-82			BOARD LOCATION:	ISQ2		
PROTJ: <2880.L005>1SQ.DRW	11-OCT-82 12:20	NEXT HIGHER ASSEMBLY:	SIZE	CODE	NUMBER	REV.	
FIRST USED ON OPTION/MODEL:			D	C5	L0054-0-ISQ4		



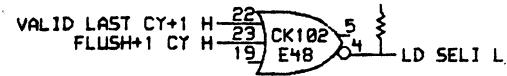
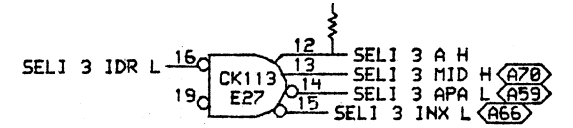
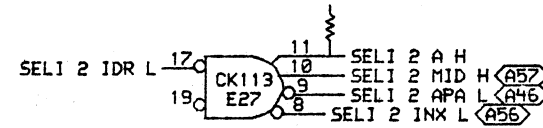
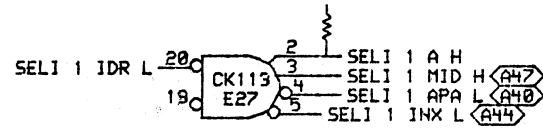
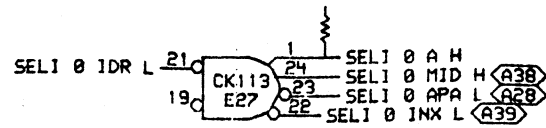
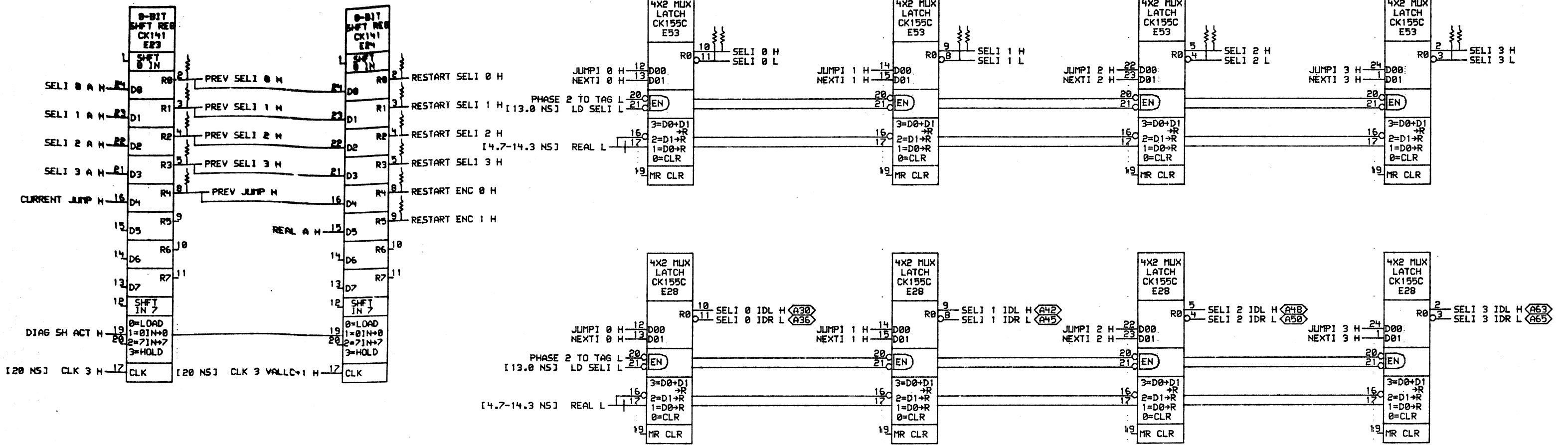
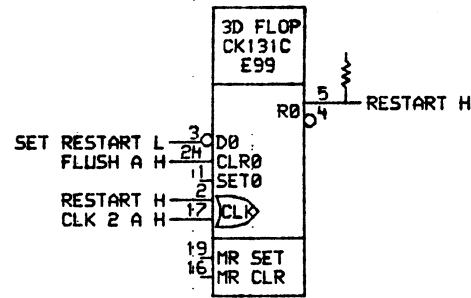
DRN.	DATE	ENG.	DATE	TITLE:	E DECODE BLIF				
CHK'D.	DATE	BOARD LOCATION:							
PROTOL: <2000.L0045> IS05.DRW		11-OCT-82 12:26		NEXT HIGHER ASSEMBLY:		SIZE	CODE	NUMBER	REV.
FIRST USED ON OPTION/MODEL:				D	CS	L0052-0-IS05			



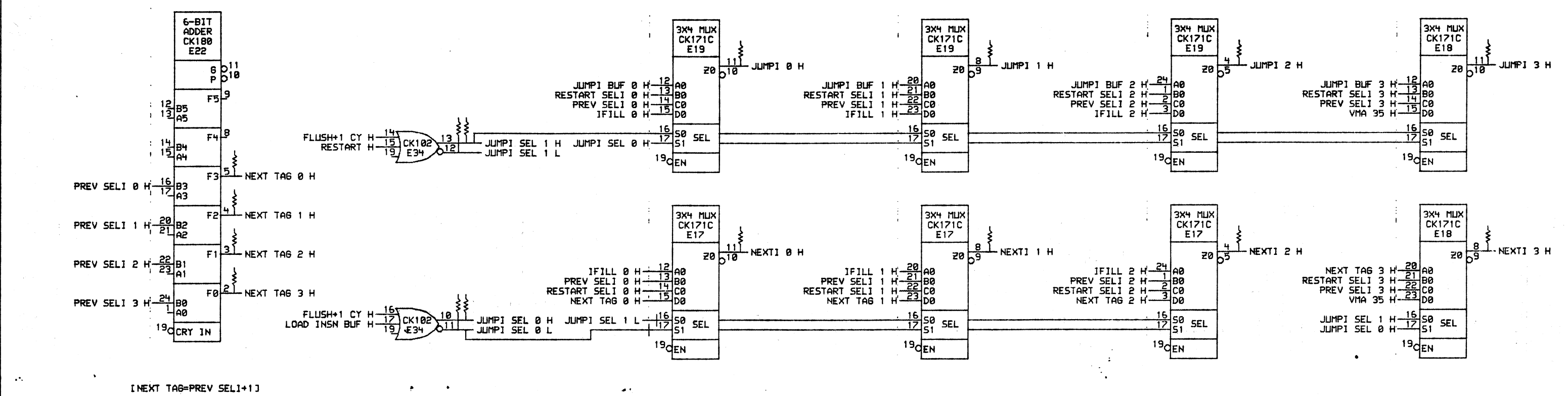
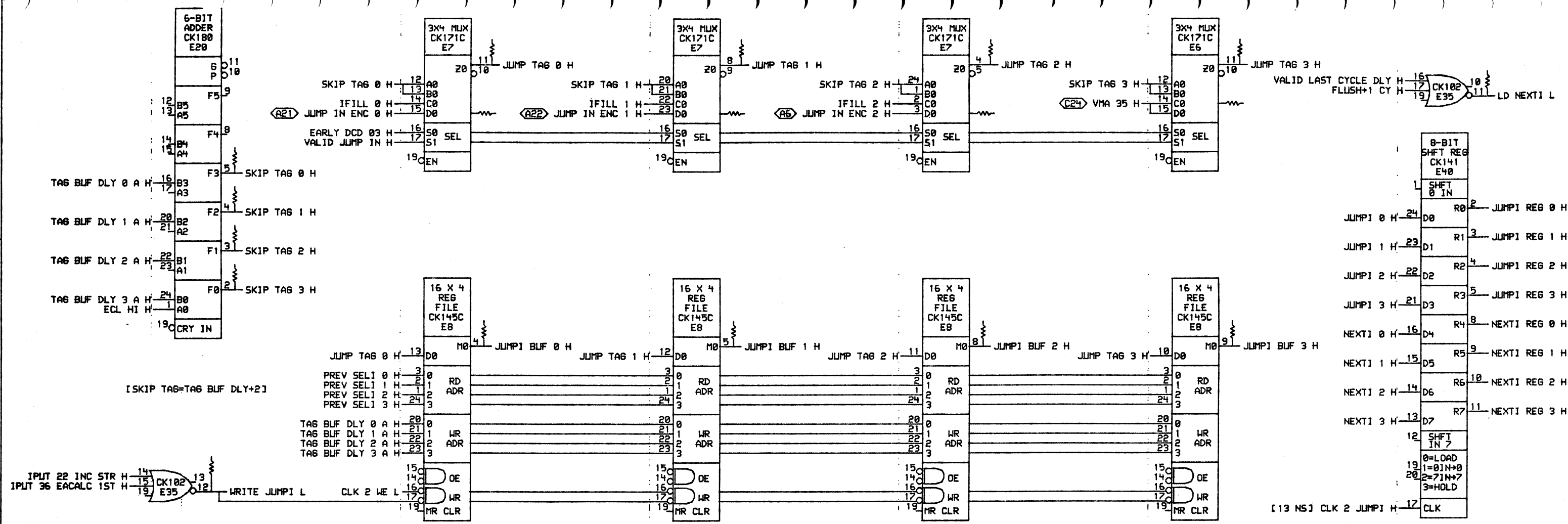
DRN.	DATE	ENG.	DATE	TITLE:
CHK'D.	13-OCT-82			OP CODE VALID EARLY DCD TO CRA
PROTO: <2888.L0045>1506.DRW	07-OCT-82 15:07	NEXT HIGHER ASSEMBLY:	SIZE	CODE
FIRST USED ON OPTION/MODEL:			D	CS
			NUMBER	REV.
			L0054-0-1506	



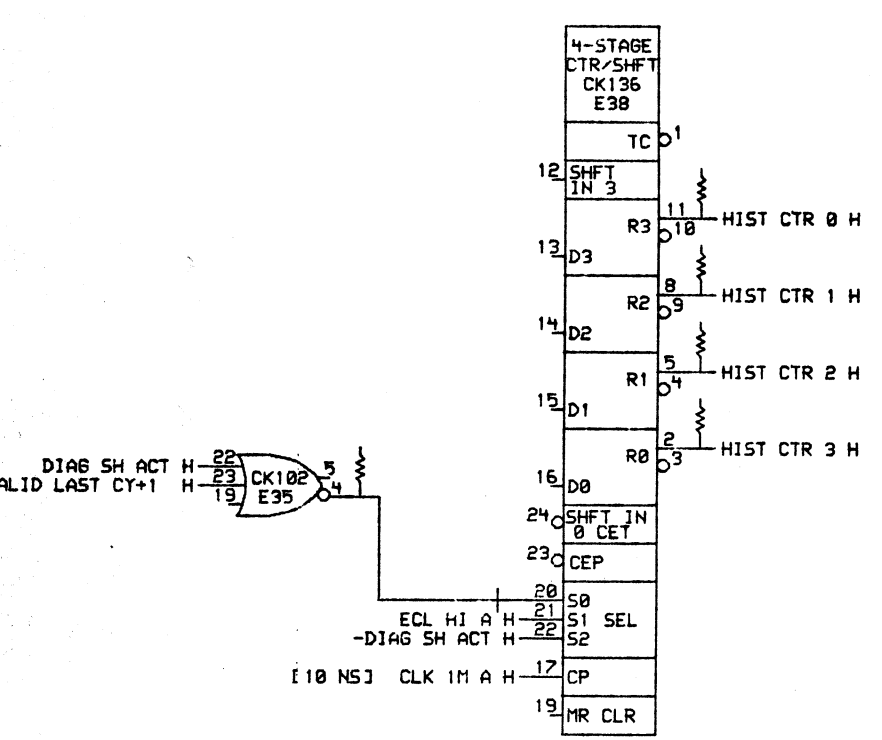
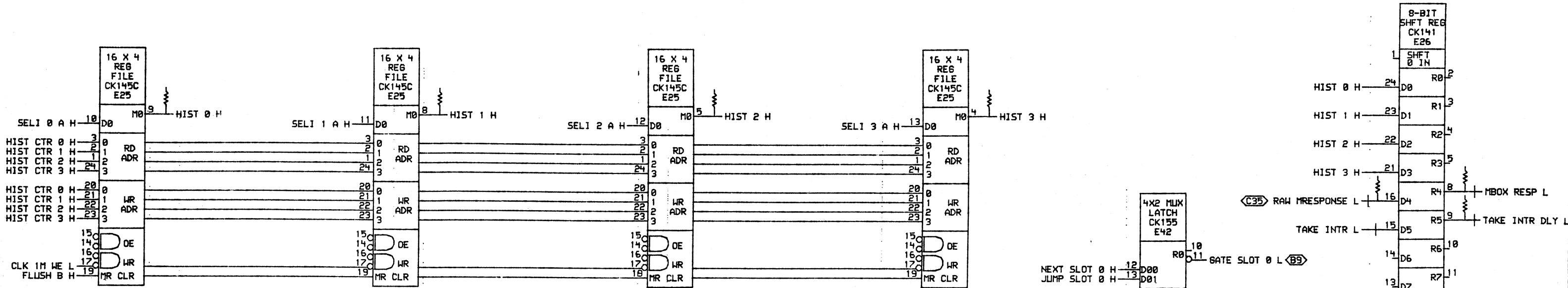
DRN.	DATE	ENG.	DATE	TITLE:
CHK'D.	DATE	BOARD LOCATION:	SHEET	OF
PROTO: (2880.L0045)1507.DRW [07-OCT-82 15:11] NEXT HIGHER ASSEMBLY:				SIZE CODE NUMBER REV.
FIRST USED ON OPTION/MODEL:				D CS L0054-0-1507



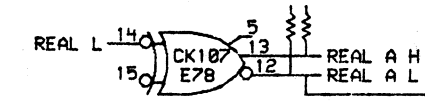
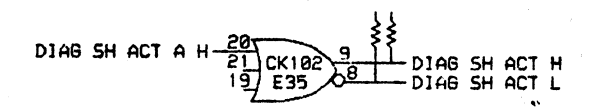
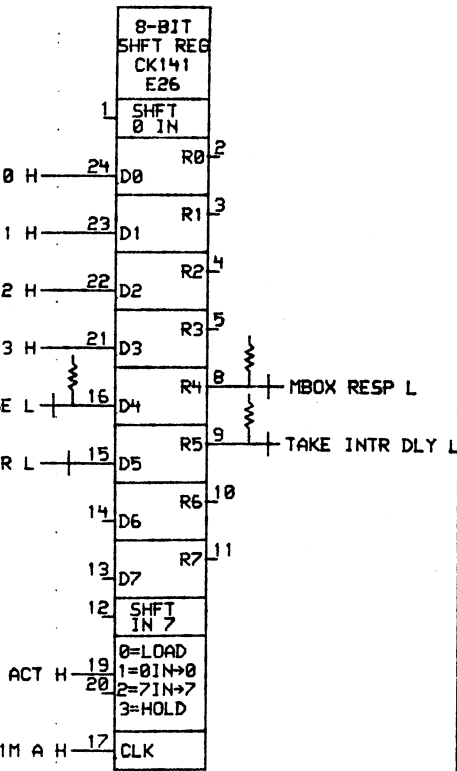
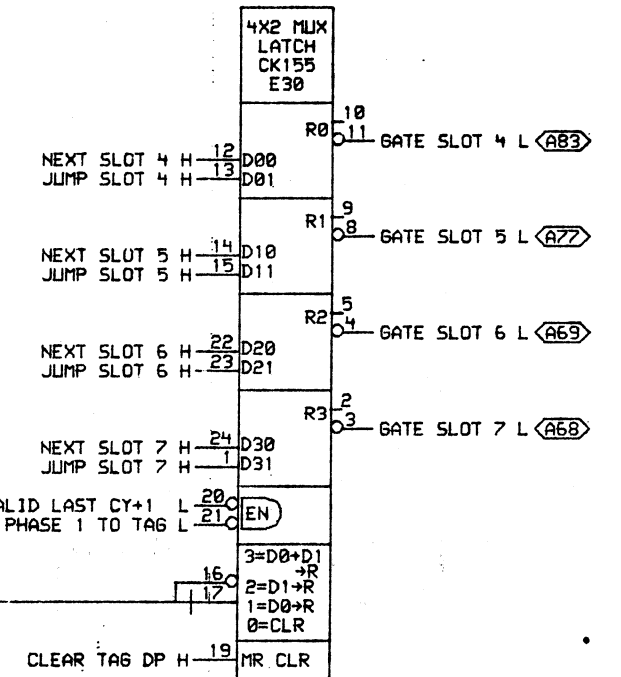
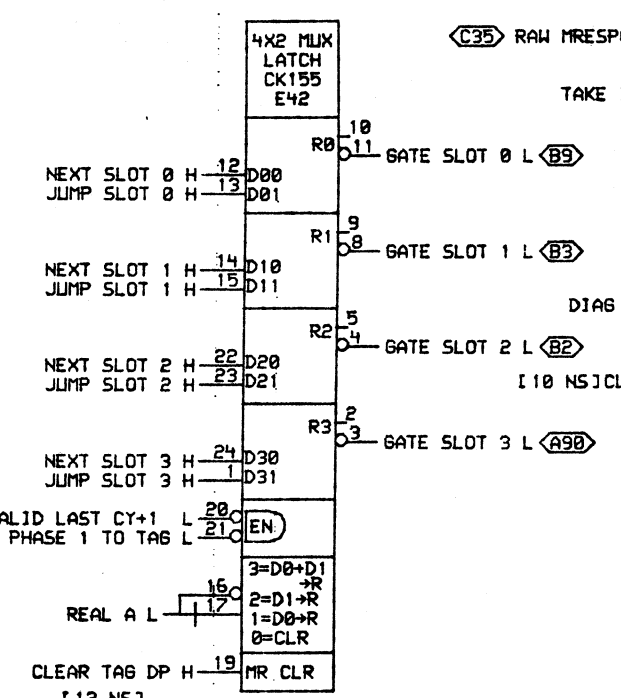
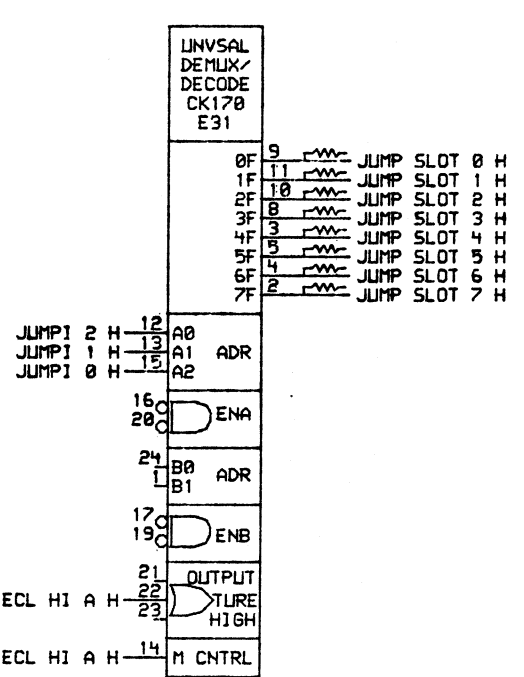
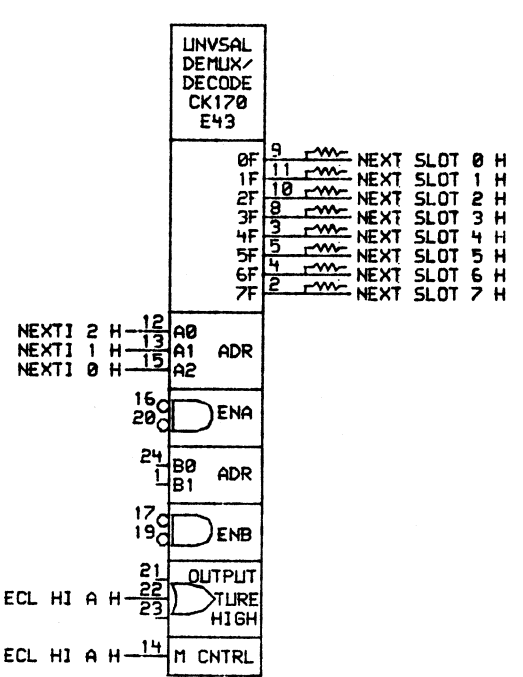
DRN.	DATE	ENG.	DATE	TITLE:	SEL I, PREV SEL I
CHK'D.	DATE	BOARD LOCATION:	SHEET	OF	
PROTOJ: <2000.L0045>ISQ8.DRW	07-OCT-82	15:14	NEXT HIGHER ASSEMBLY:	SIZE	CODE
FIRST USED ON OPTION/MODEL:				D	CS
				NUMBER	REV.
				L0054-0-1SQ8	



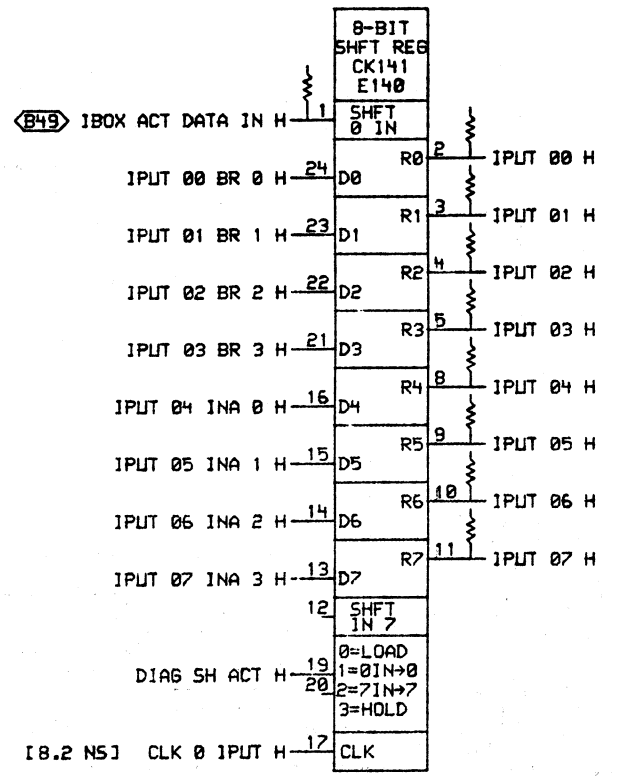
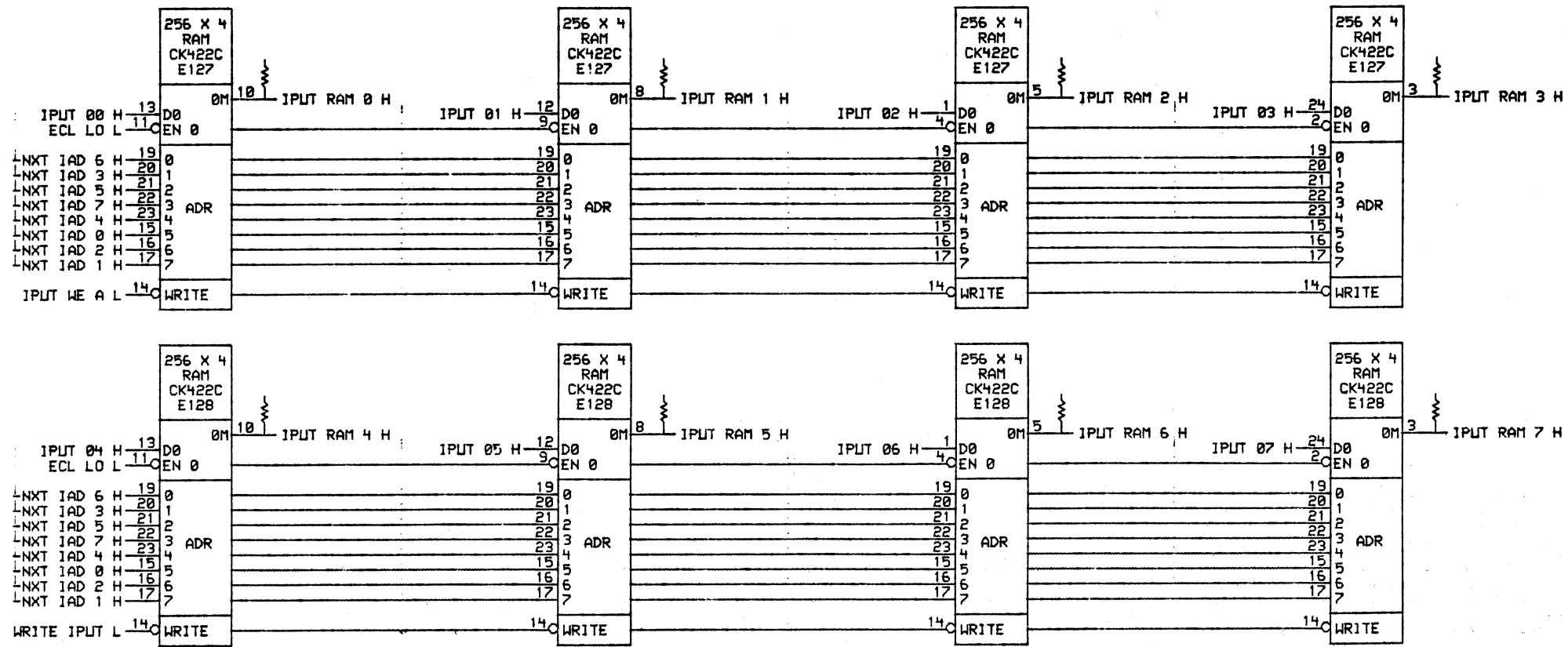
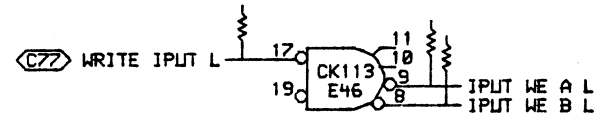
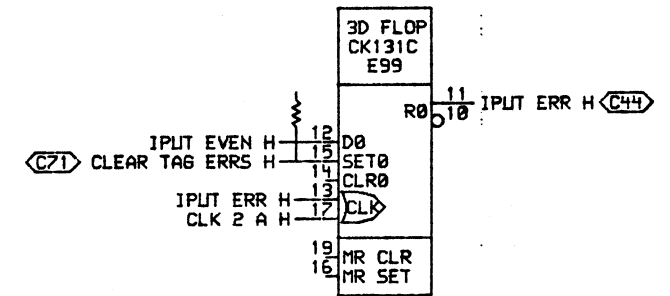
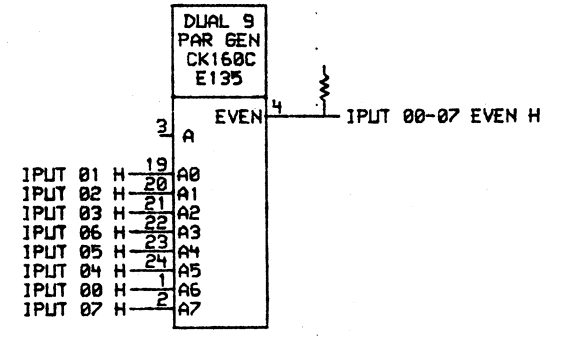
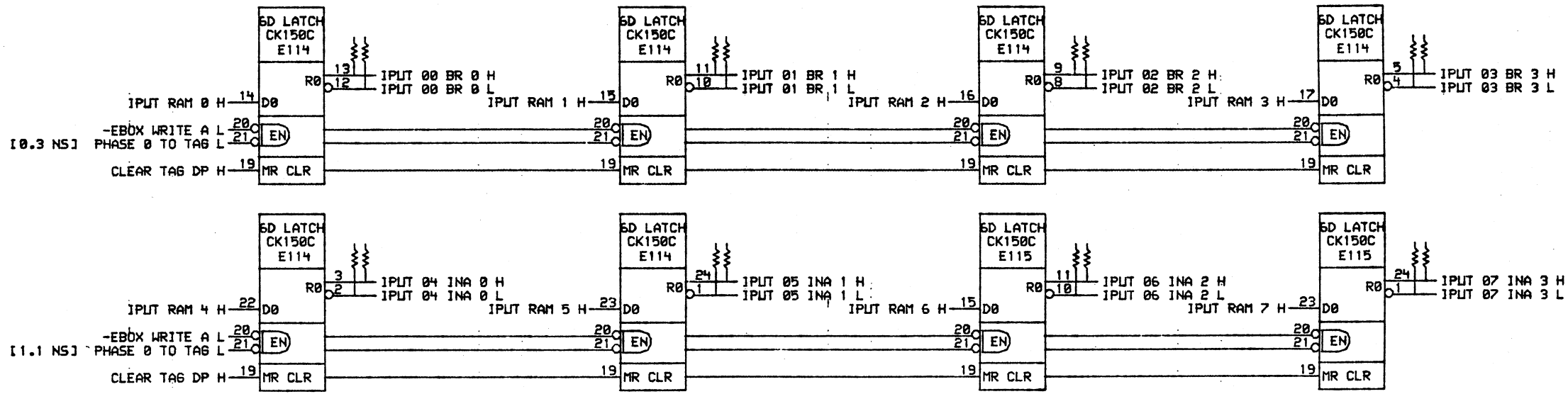
DRN.	DATE	ENG.	DATE	TITLE:	NEXTI, JUMPI		
CHK'D.	DATE	BOARD LOCATION:	SHEET	OF	SIZE	CODE	NUMBER
PROTO: <2888.L0043>1509.DRW 106-OCT-82 10:00 NEXT HIGHER ASSEMBLY:				REV.	D	CS	L0054-0-1509
FIRST USED ON OPTION/MODEL:							

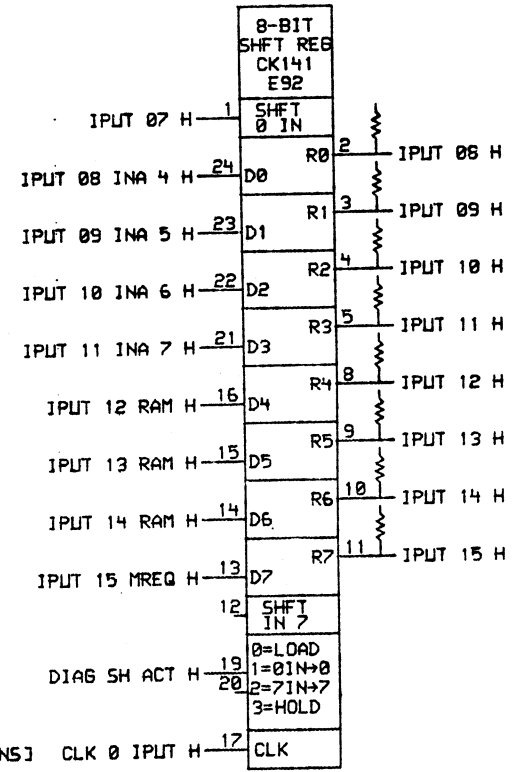
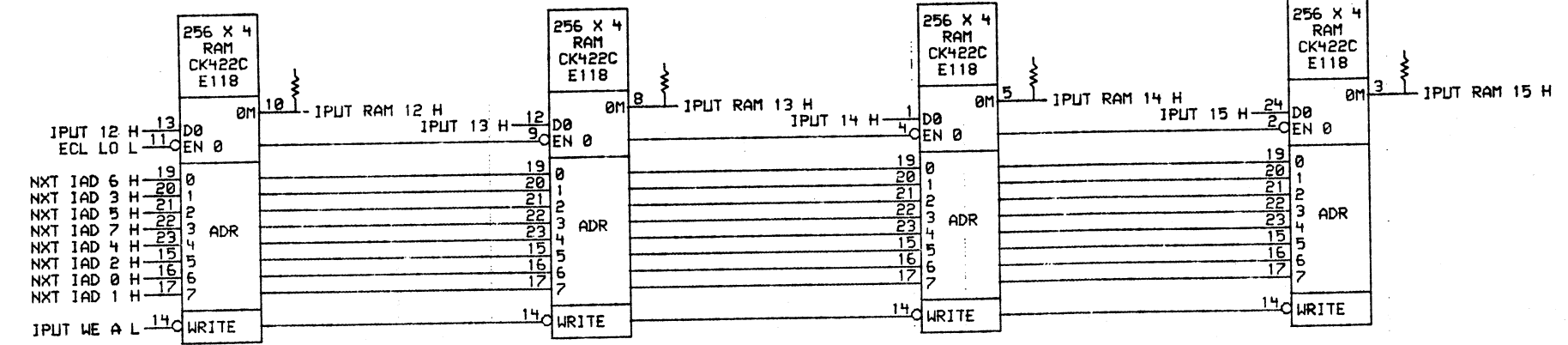
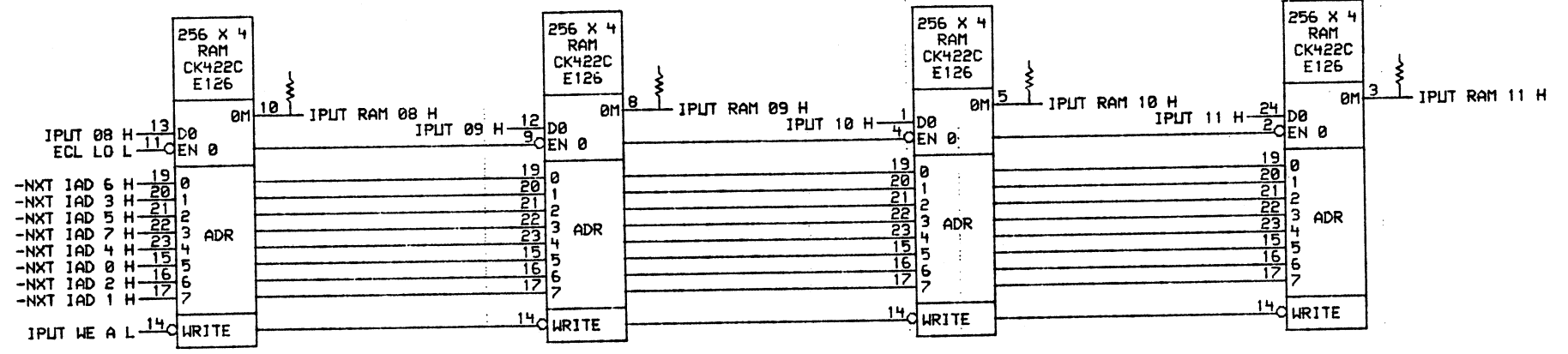
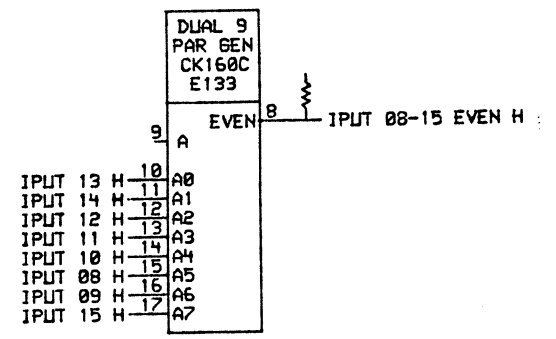
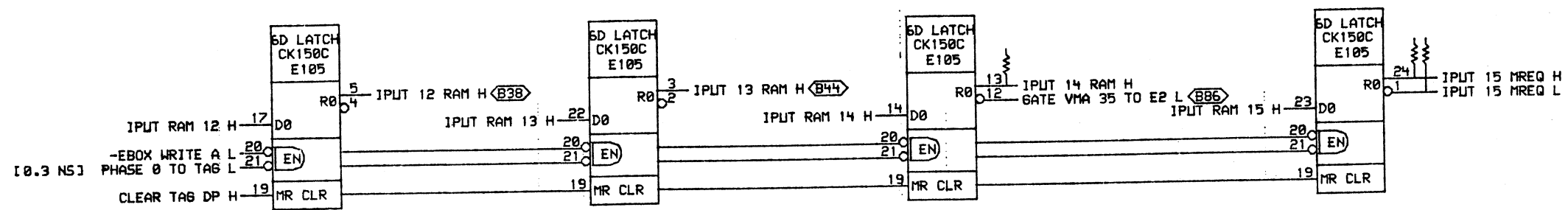
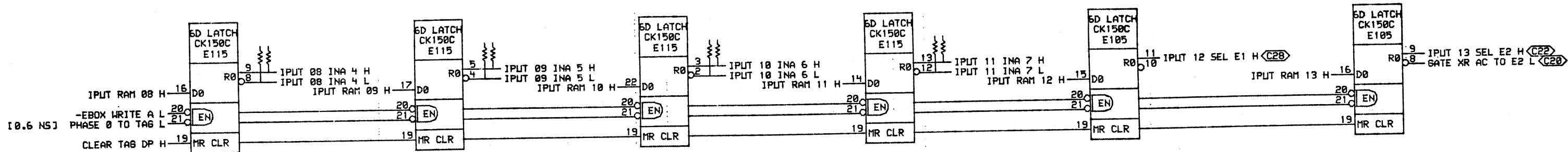


LHH=COUNT UP
LHL=SHIFT LEFT
HHH=HOLD

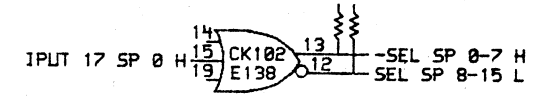
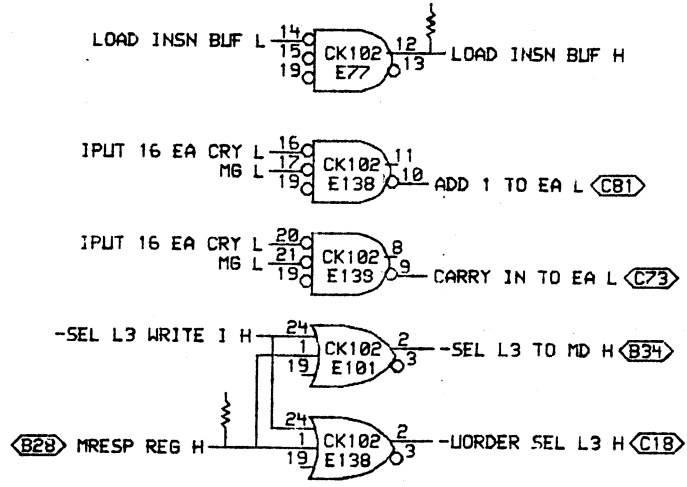
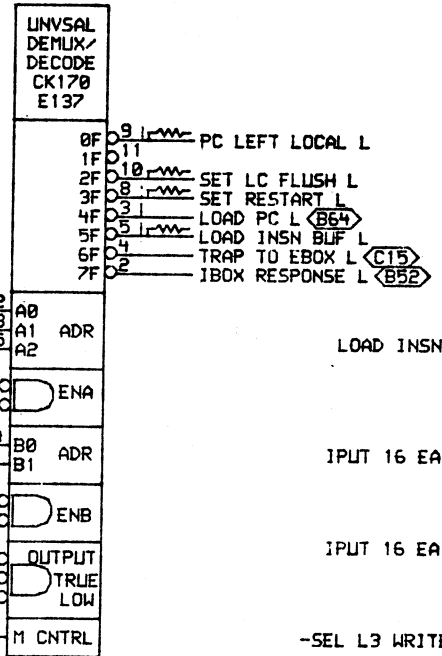
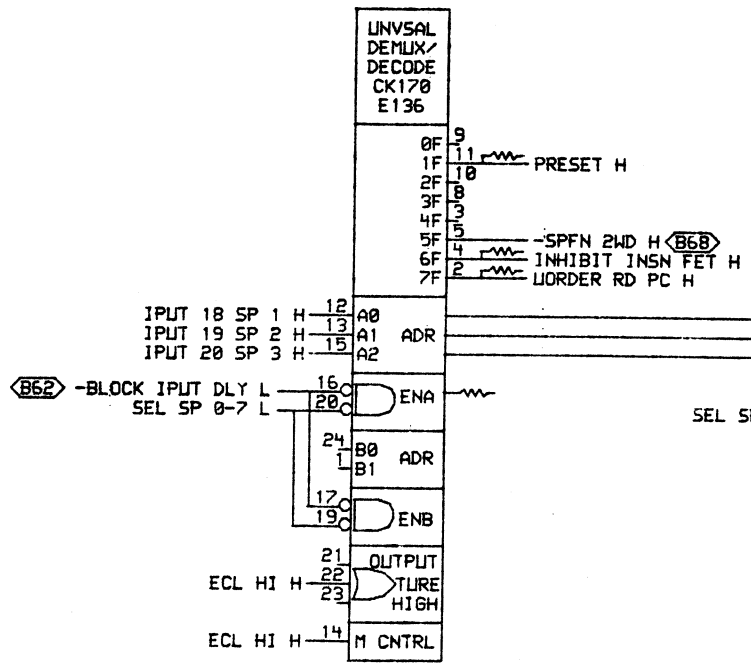
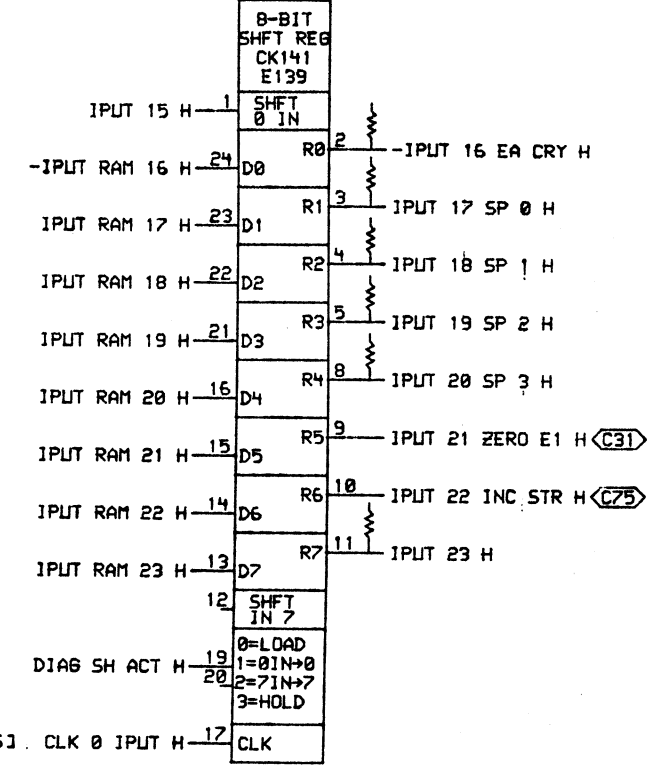
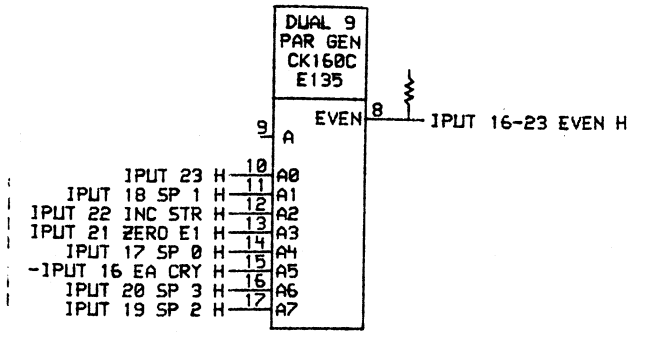
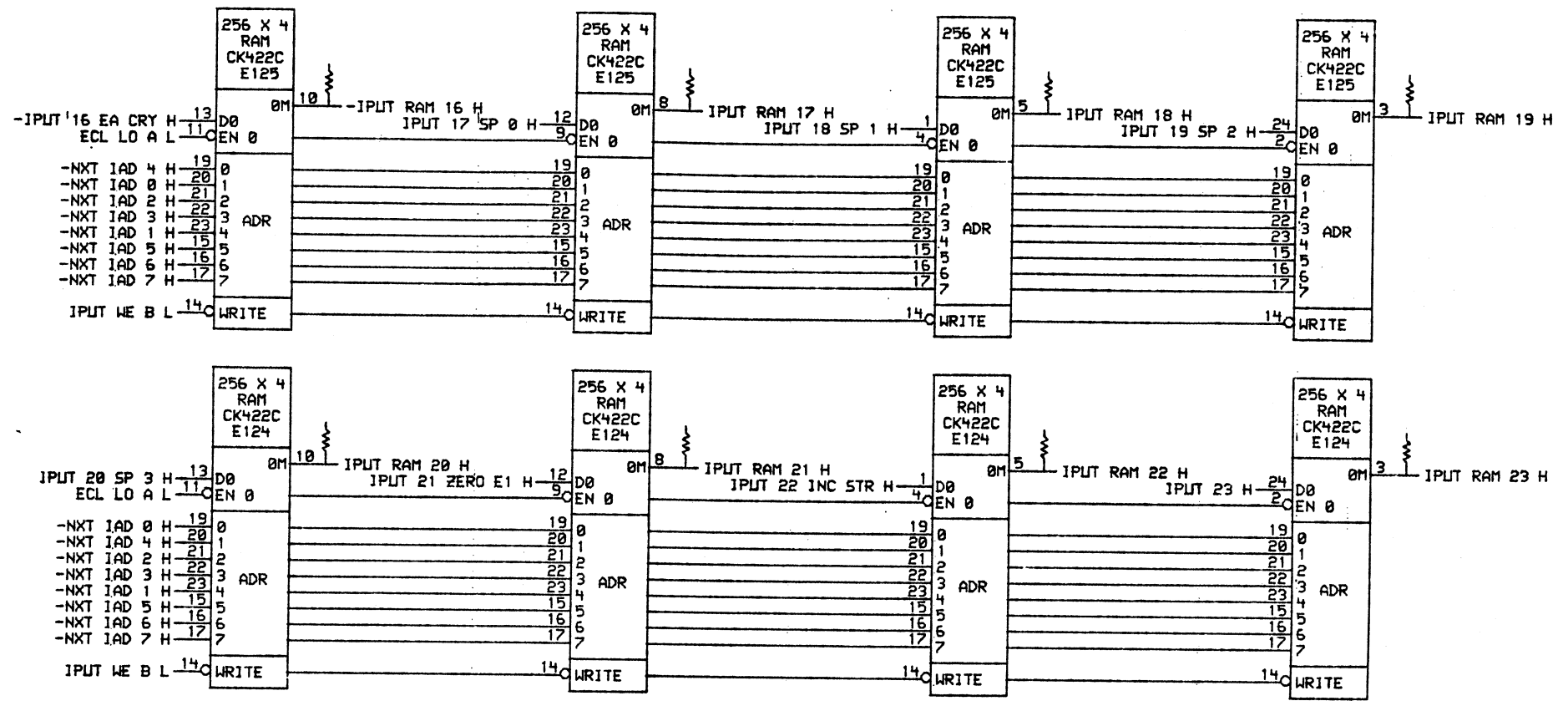


DRN.	DATE	ENG.	DATE	TITLE:
CHK'D.	DATE	BOARD LOCATION:		GATE SLOT
PROJECT: <2000.L004> ISQA.DRW 06-OCT-82 10:00 NEXT HIGHER ASSEMBLY:				SELI HIST
FIRST USED ON OPTION MODEL:				SIZE CODE
				NUMBER
				REV.

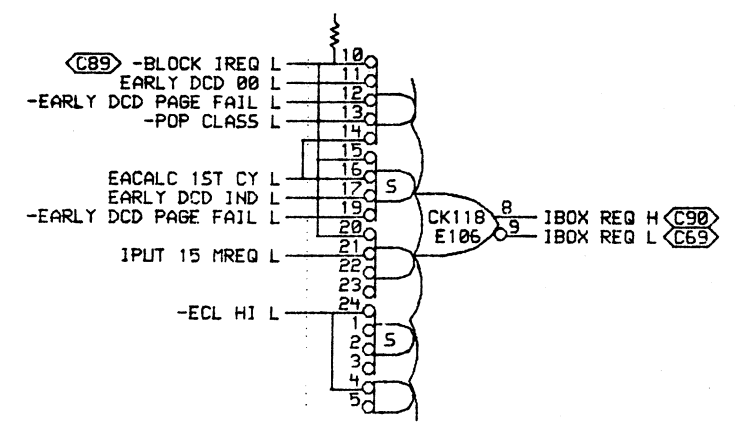
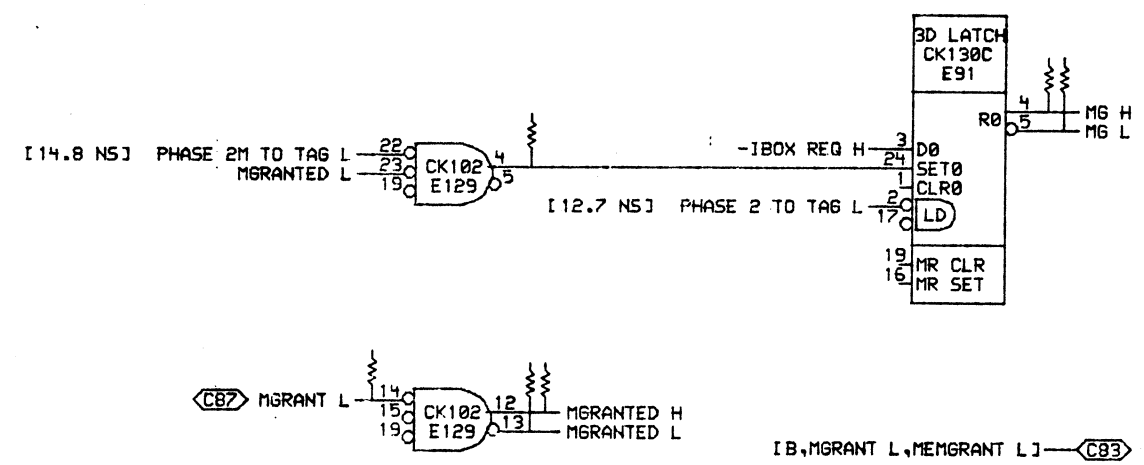
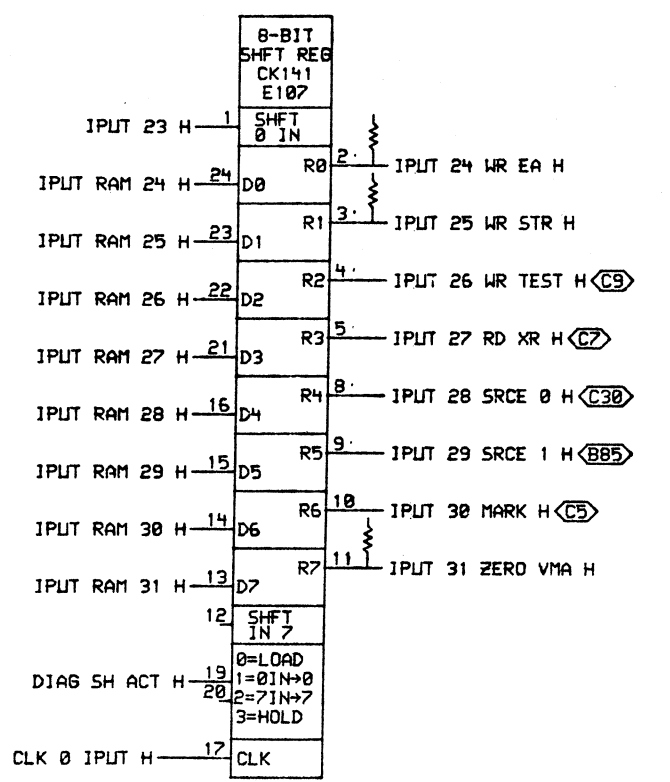
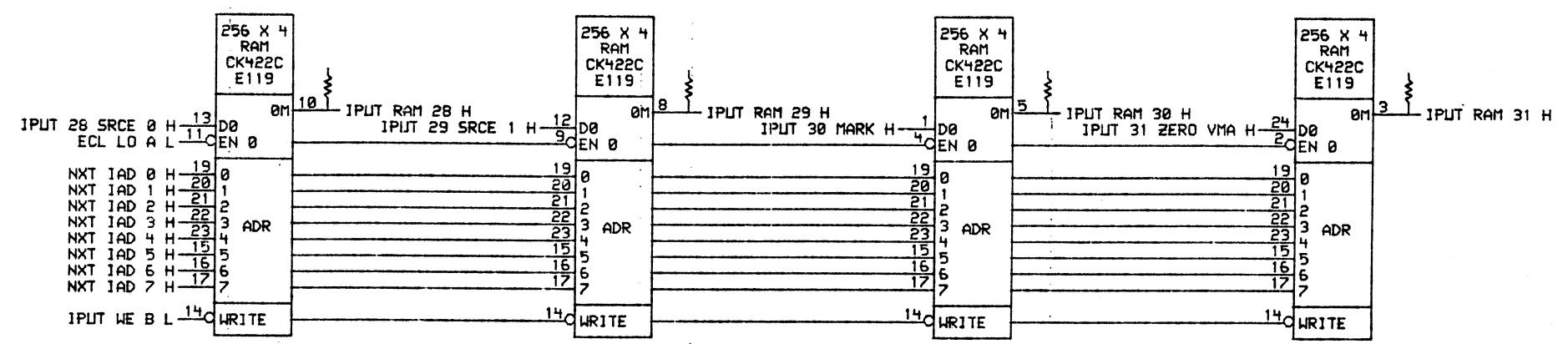
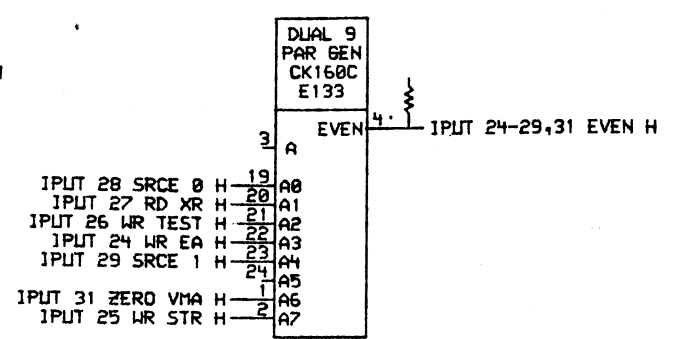
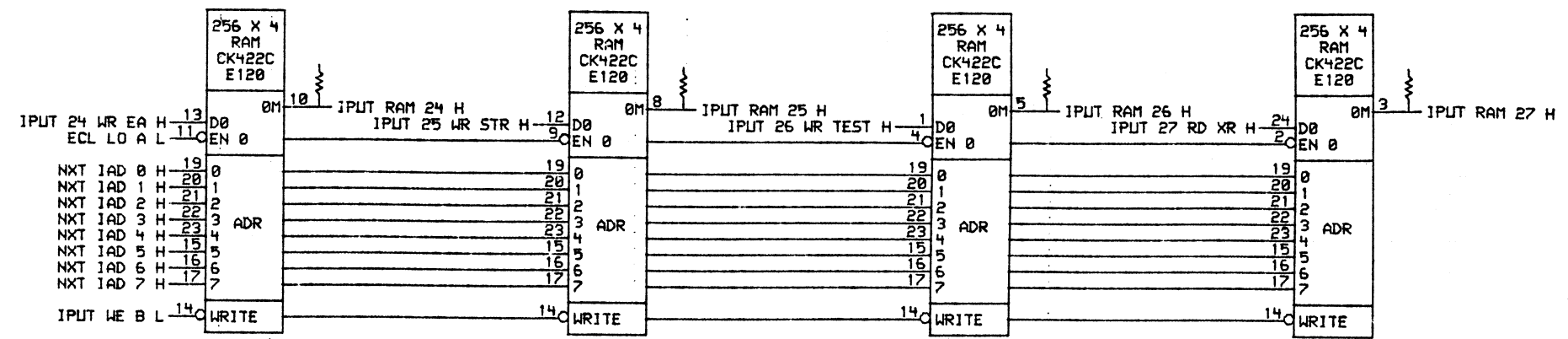




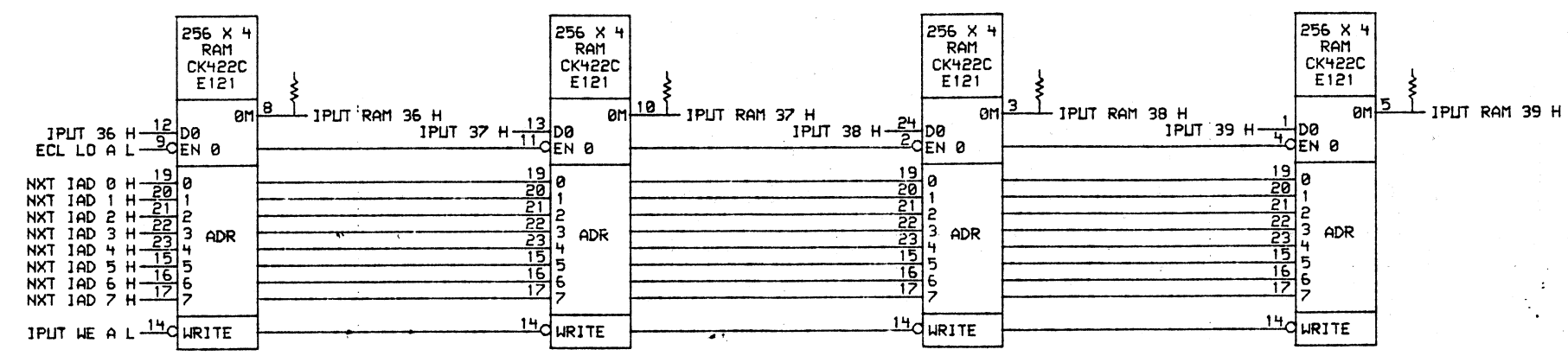
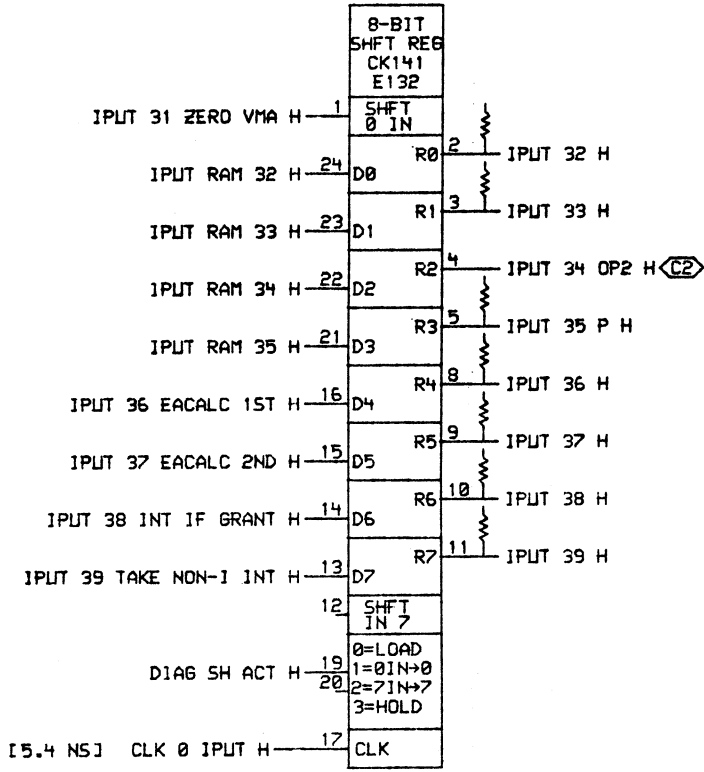
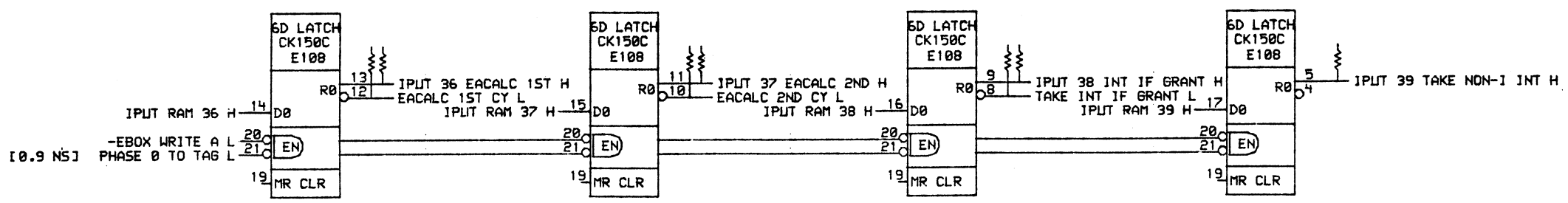
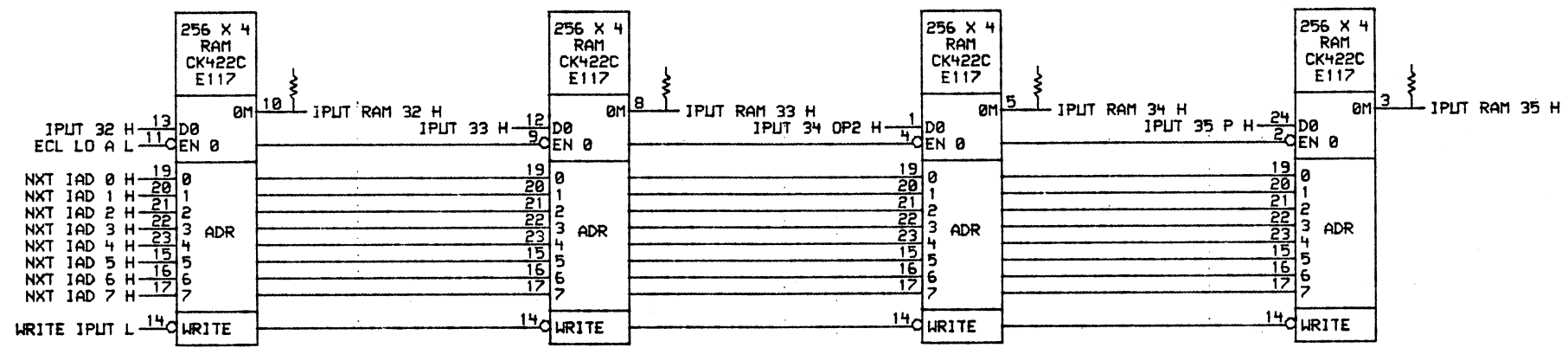
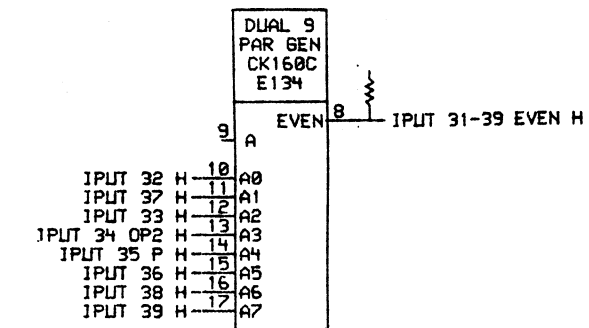
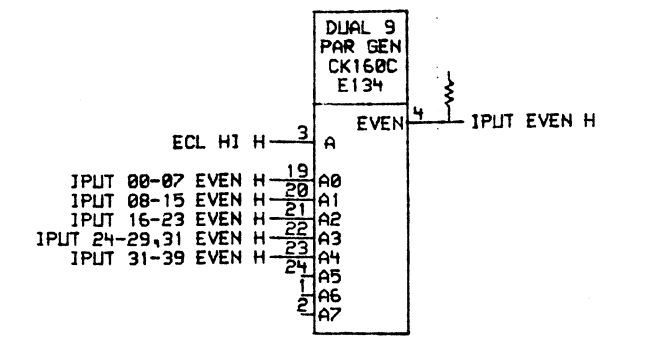
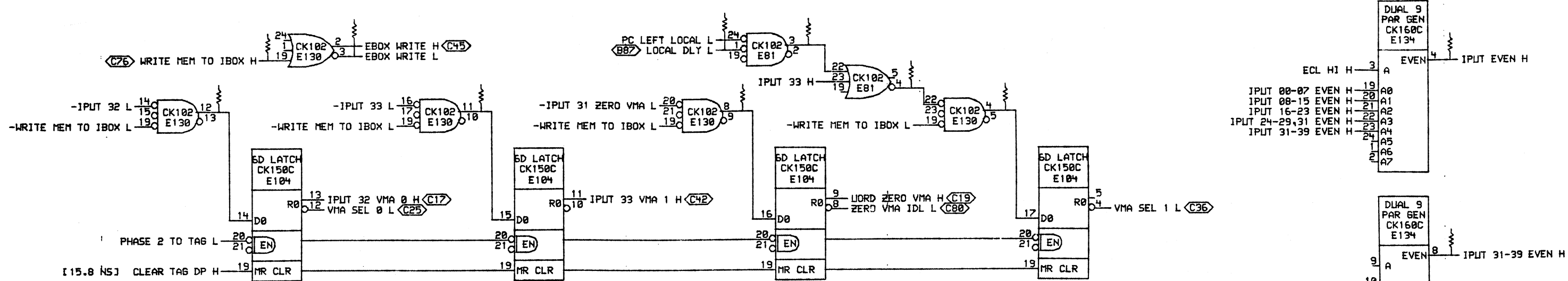
DRN.	DATE	ENG.	DATE	TITLE:
CHK'D.	13-OCT-82			IPLT EARLY
PROJ: <2000.L0043>150C.DRW	06-OCT-82 09:57	NEXT HIGHER ASSEMBLY:	SIZE	CODE
FIRST USED ON OPTION/MODEL: 2080			D	CS L0054-0-ISQC
			NUMBER	REV.

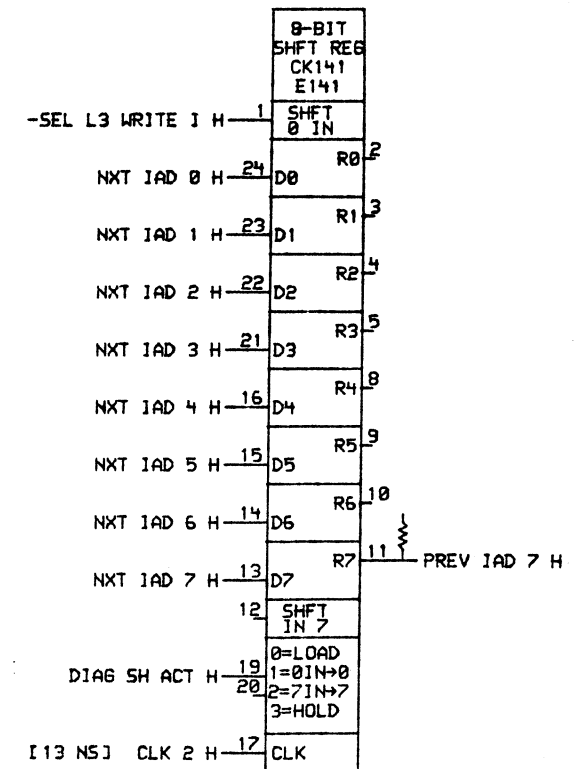
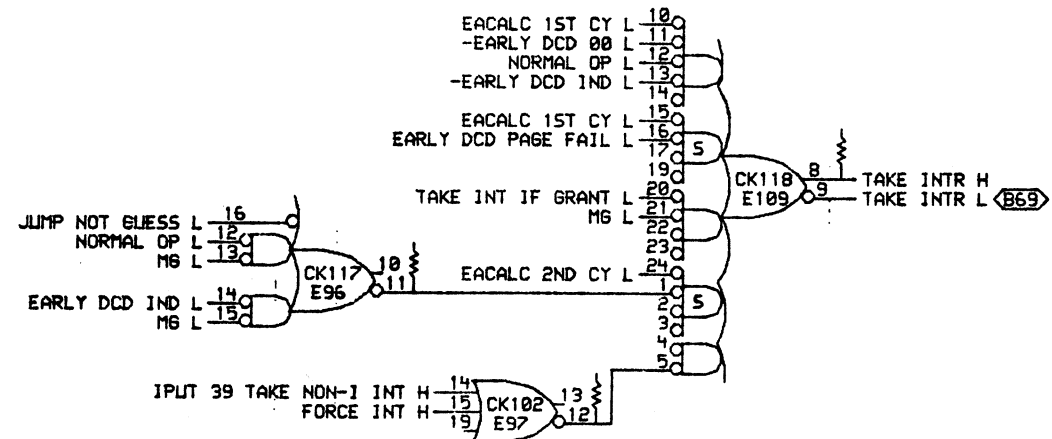
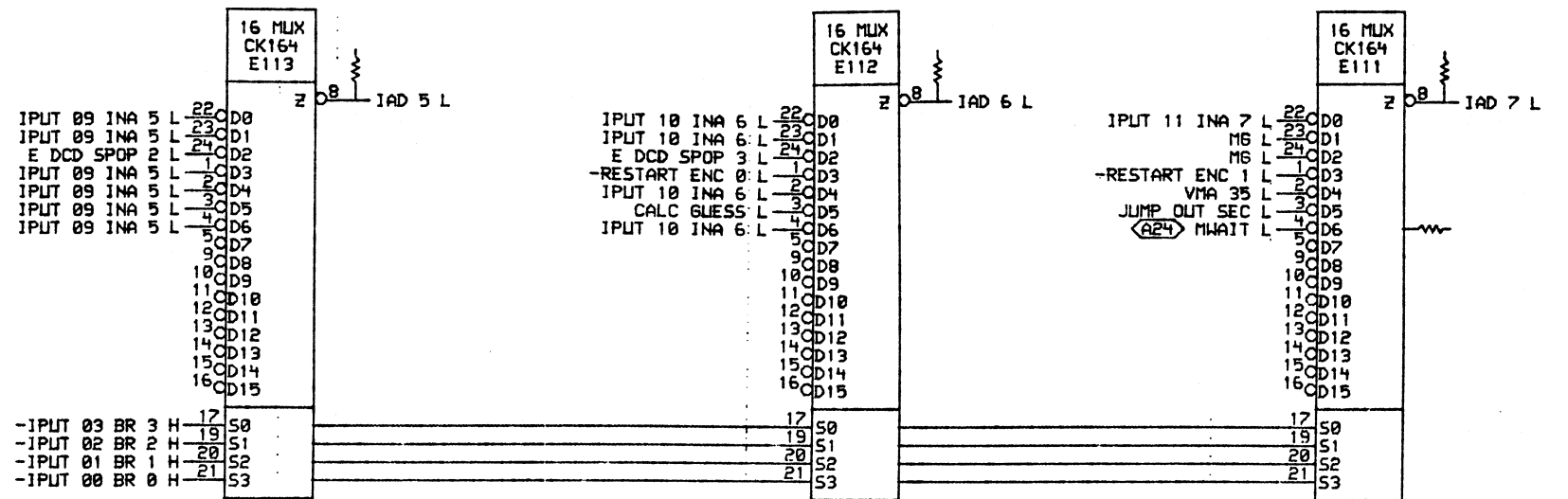
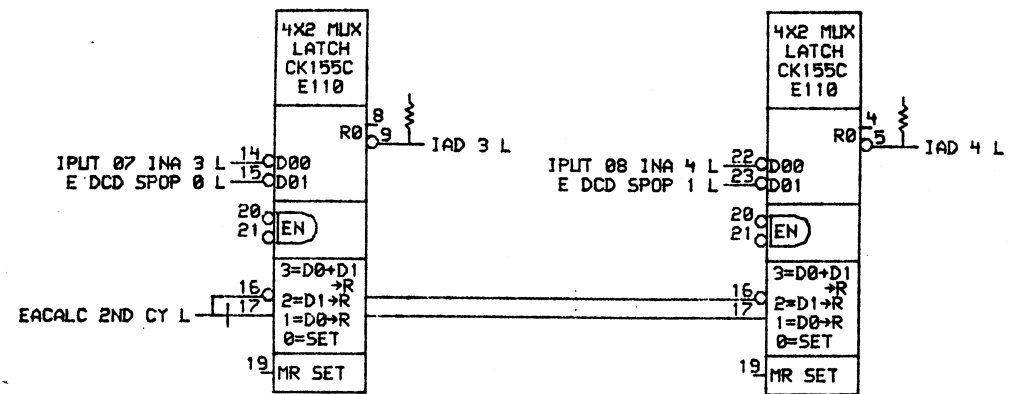


DRN.	DATE	ENG.	DATE	TITLE: IPUT INTERMEDIATE
CHK'D.	DATE	BOARD LOCATION:	SHEET OF	16-23
PROJ: <2888.L005>1500.DRW	11-OCT-82 12:35	NEXT HIGHER ASSEMBLY:	SIZE CODE	NUMBER
FIRST USED ON OPTION/MODEL: 2080			D CS	L0054-0-ISQD
				REV.

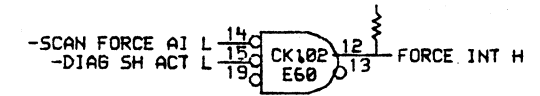
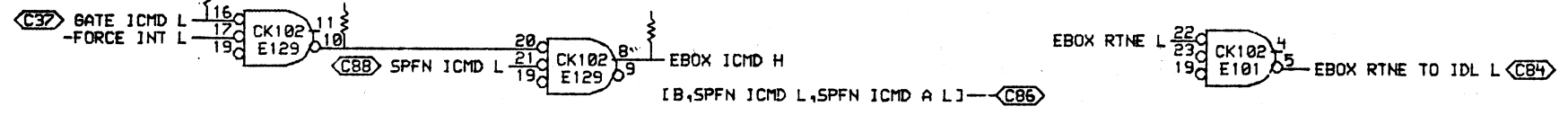
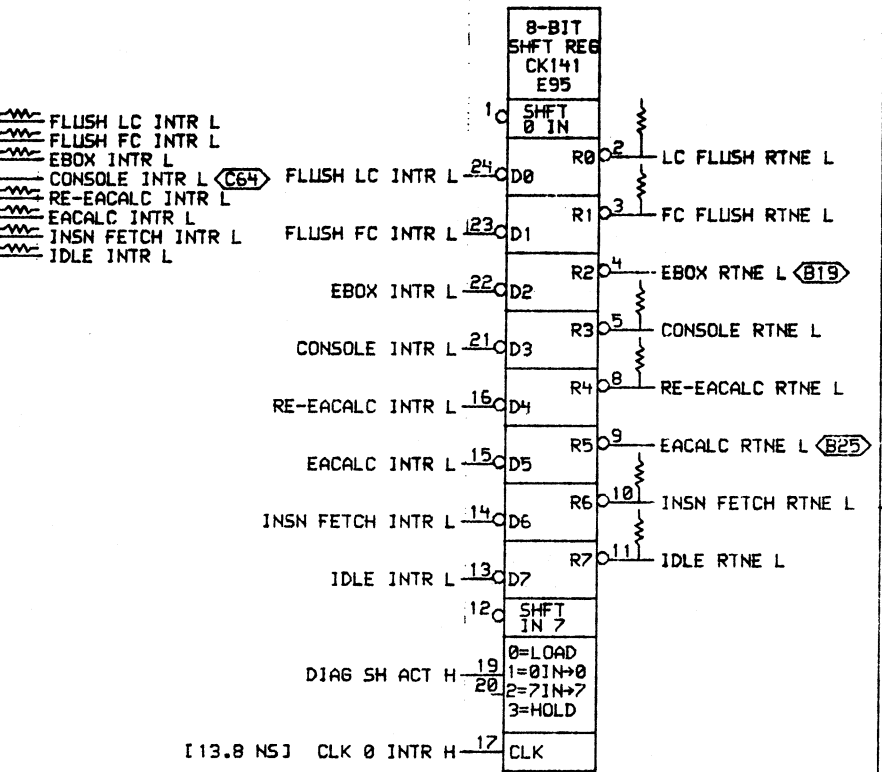
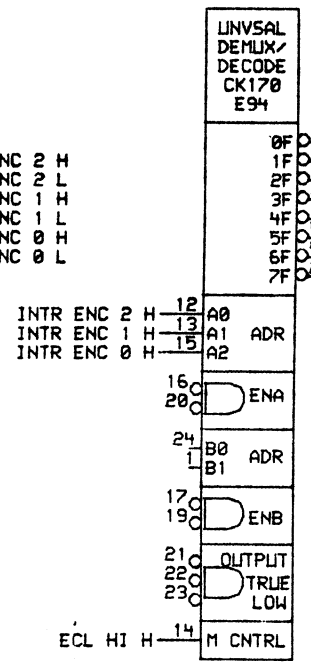
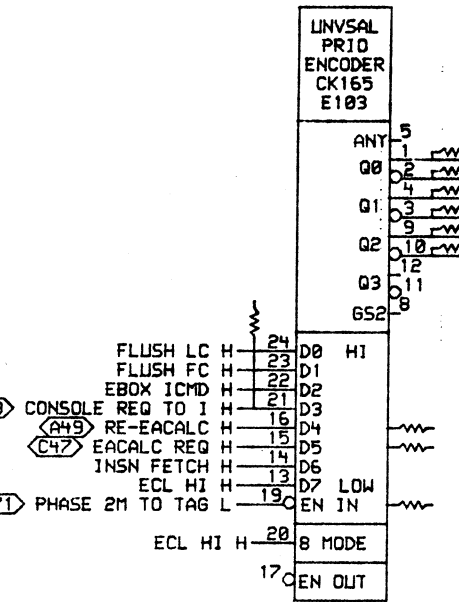
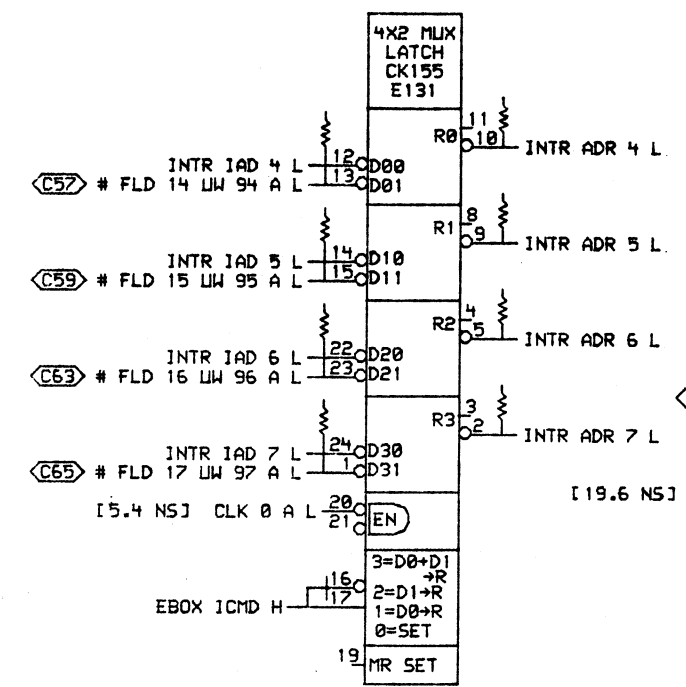
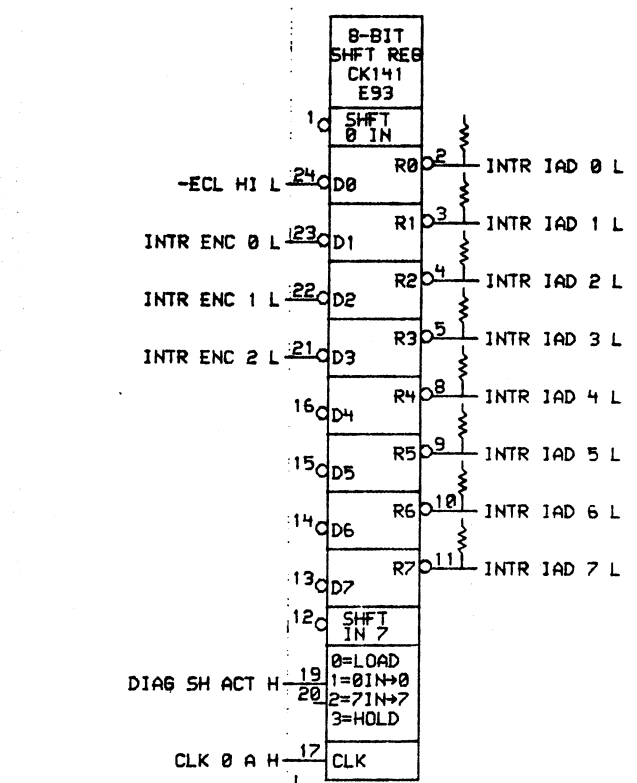
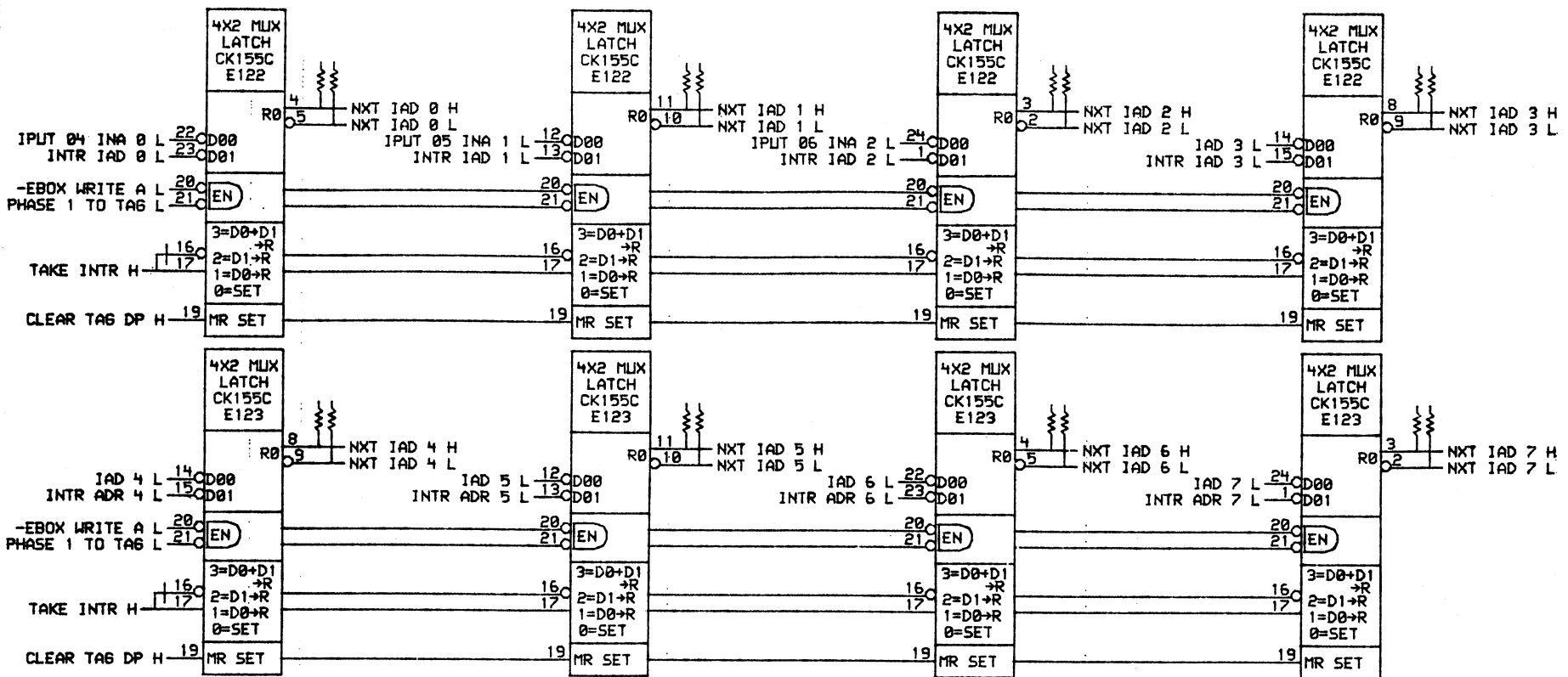


DRN.	DATE	ENG.	DATE	TITLE: IPUT INTERMEDIATE
CHK'D.	DATE	BOARD LOCATION:	SHEET	24-31
PROJECT: <2000.L0045> ISQE.DRW 106-OCT-82 09:51 NEXT HIGHER ASSEMBLY:				SIZE CODE NUMBER REV.
FIRST USED ON OPTION/MODEL: 2000				D CS L0054-0-ISQE

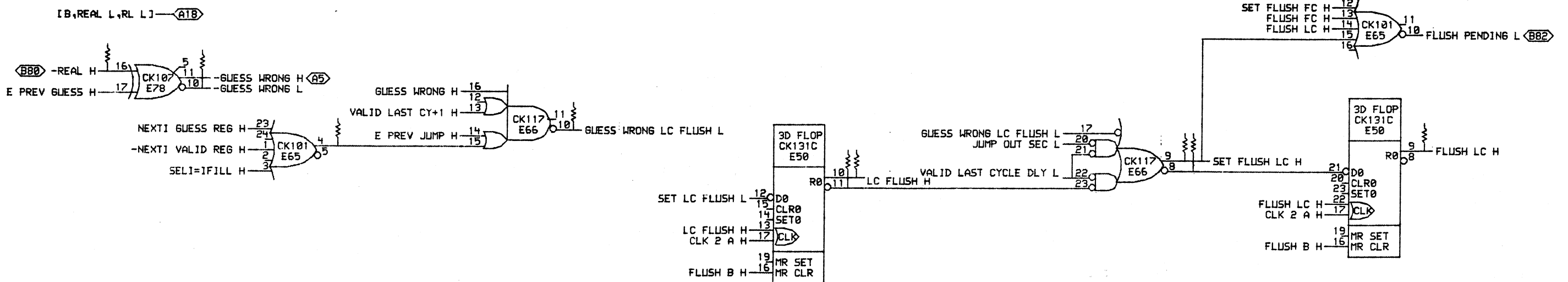
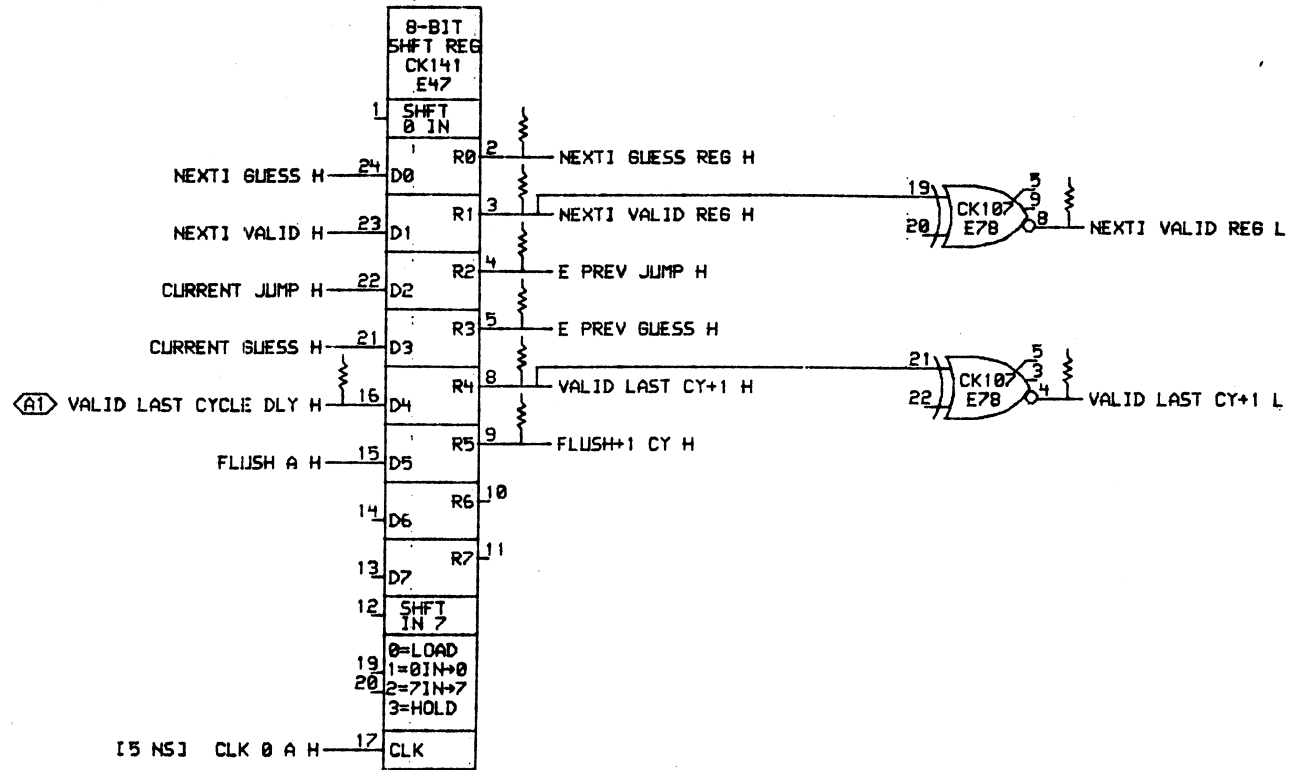
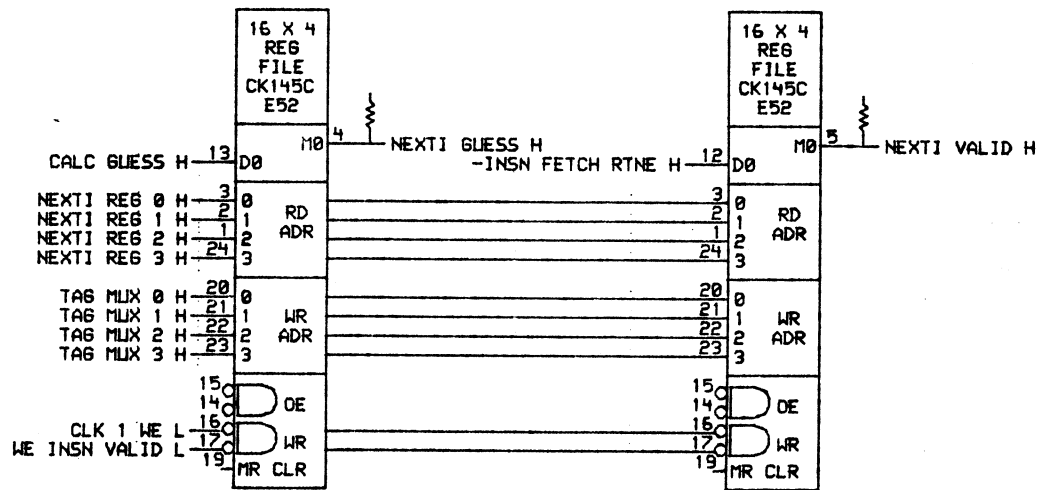
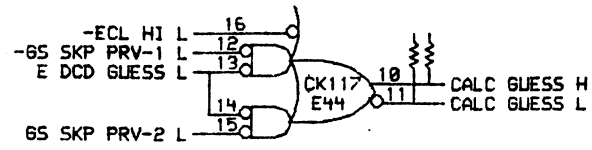
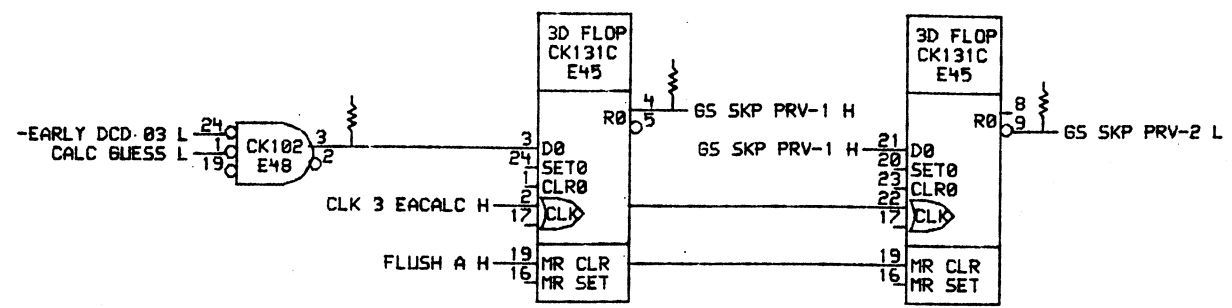




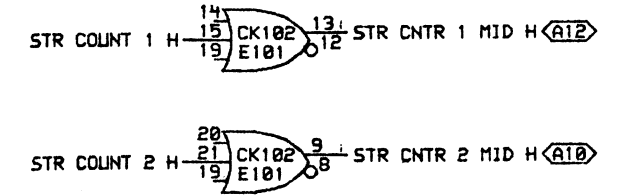
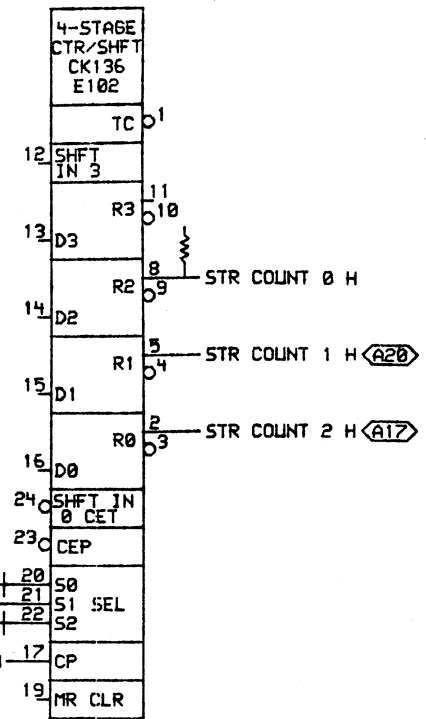
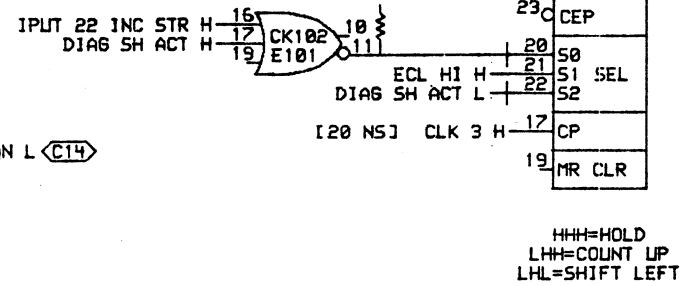
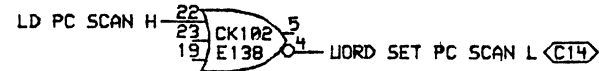
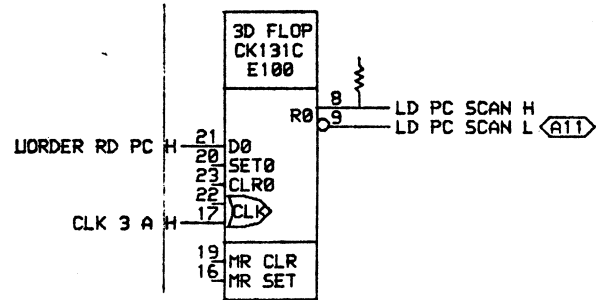
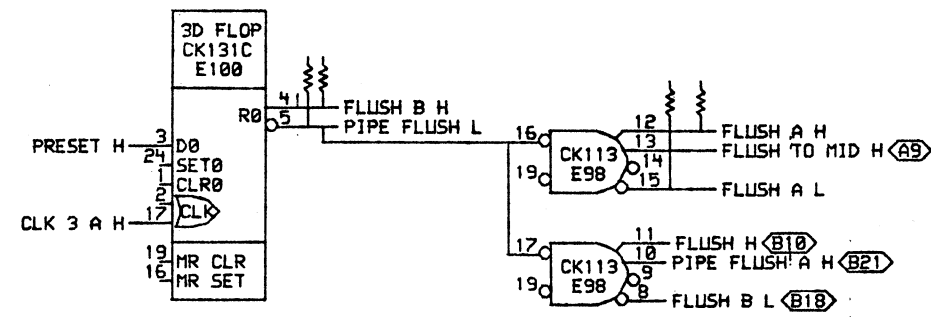
DRN.	DATE	ENG.	DATE	TITLE:	IAD		
CHK'D.	DATE	BOARD LOCATION:	SHEET	OF	SIZE	CODE	NUMBER
PROTO: <2880.L00*5>1508.DRW 11-OCT-82 12:42 NEXT HIGHER ASSEMBLY:				D	CS	L0054-0-1S0G	REV.
FIRST USED ON OPTION/MODEL:							



DRN.	DATE	ENG.	DATE	TITLE:	NEXT IAD		
CHK'D.	DATE	BOARD LOCATION:	SHEET	OF	SIZE	CODE	NUMBER
PROTO: L0054-0-150H.DRW 07-OCT-82 15:25 NEXT HIGHER ASSEMBLY:				REV.	D	CS	L0054-0-150H

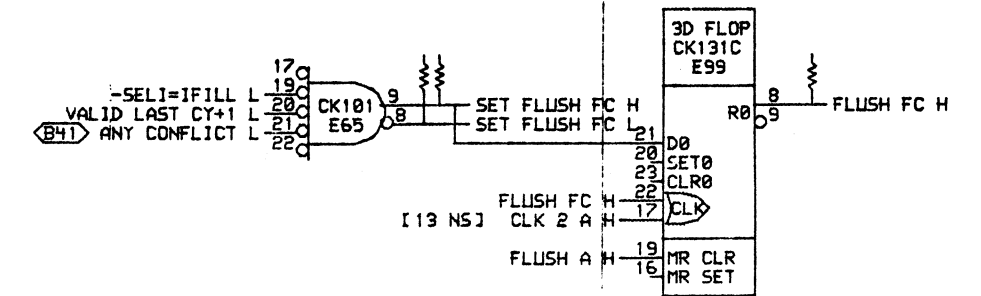
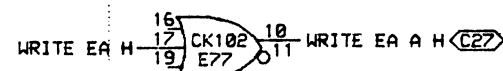
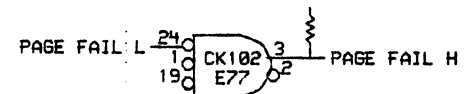
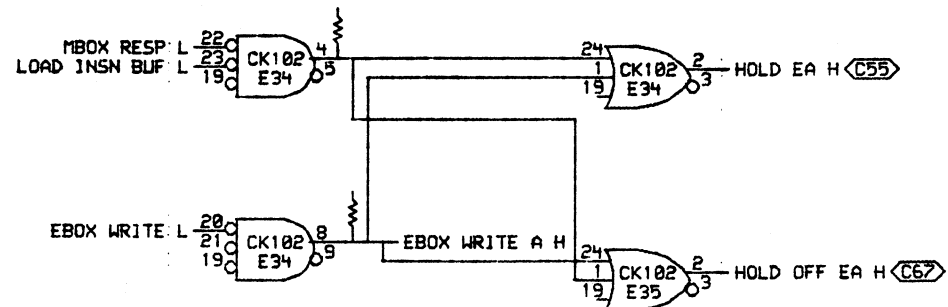
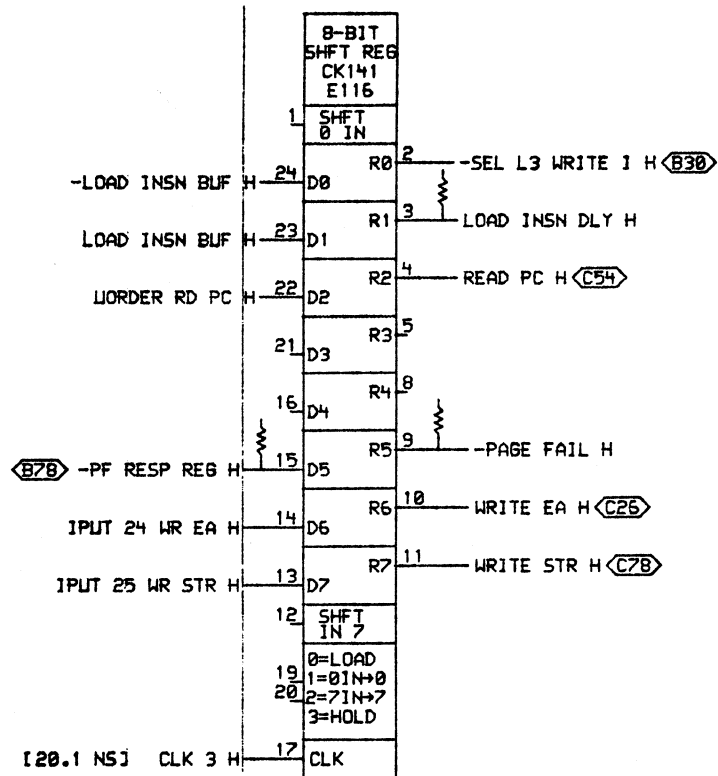


DRN.	DATE	ENG.	DATE	TITLE: STREAM BUILDING GS
CHK'D.	13-OCT-82	BOARD LOCATION:		GS WRONG
PROTOJ: <2880.L005> ISQI.DRW	DATE	SHEET	OF	
FIRST USED ON OPTION/MODEL:	11-OCT-82 12:45	NEXT HIGHER ASSEMBLY:		
	SIZE	CODE	NUMBER	REV.
	D	CS	L0054-0-ISQI	

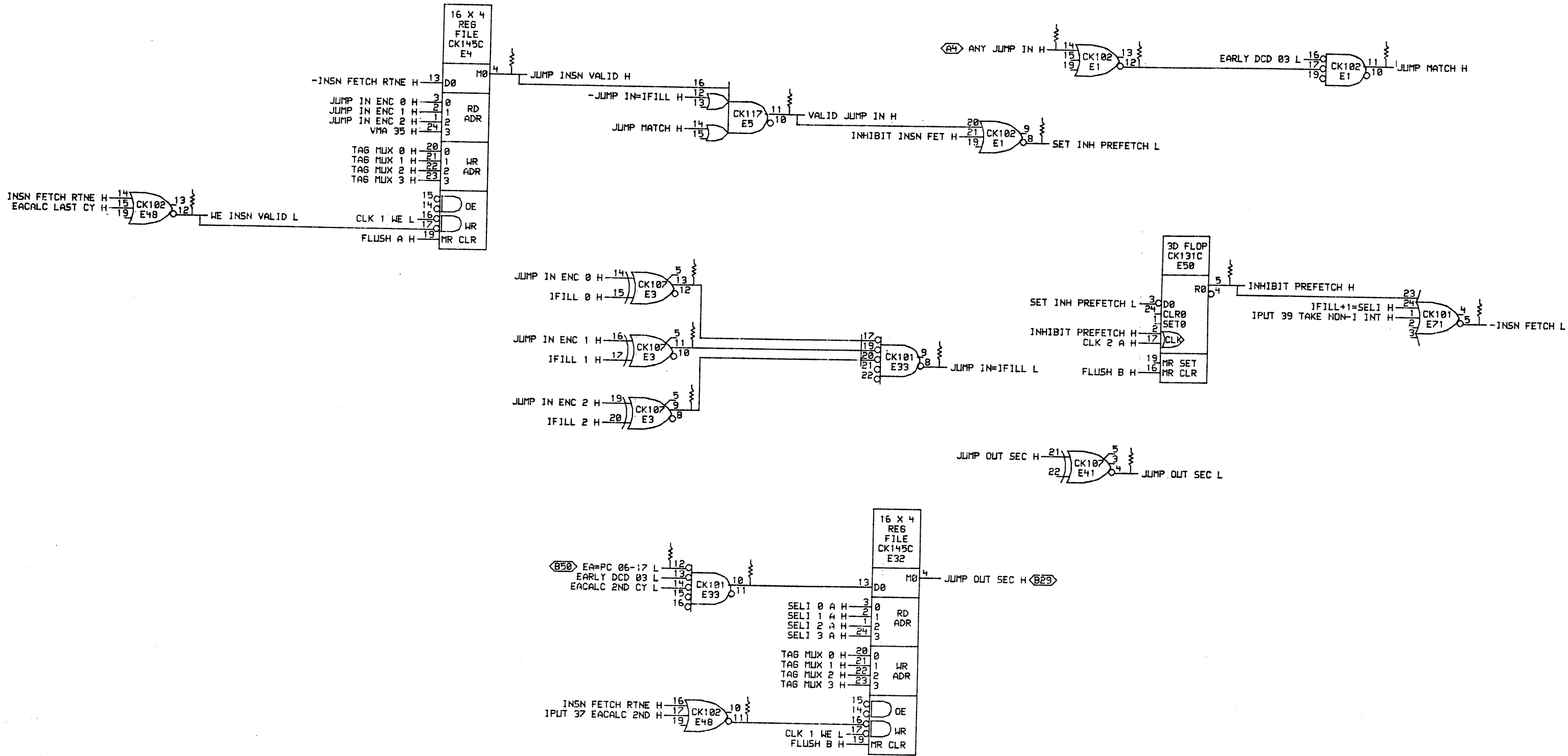


HHH=HOLD
LHH=COUNT UP
LHL=SHIFT LEFT

DIAG ACT OUT ISQ H (C60)
STR ERR H (C40)

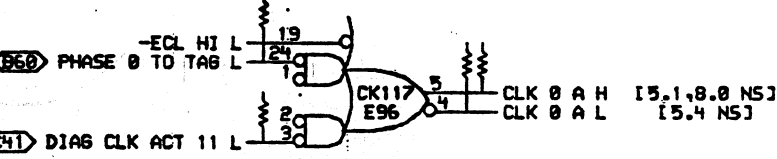


DRN.	DATE	ENG.	DATE	TITLE:
CHK'D.	DATE	BOARD LOCATION:		MISCELLANEOUS
PROTJ: (2000.L0045)ISQJ.DRW	11-OCT-82 12:51	NEXT HIGHER ASSEMBLY:	SIZE	NUMBER
FIRST USED ON OPTION/MODEL:			D	CS L0054-0-ISQJ
			REV.	

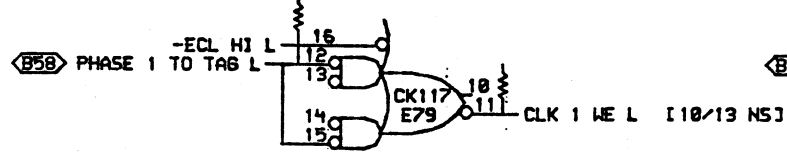


DRN.	DATE	ENG.	DATE	TITLE: VALID JUMP IN
CHK'D.	13-OCT-82			
	DATE	BOARD LOCATION:	SHEET	OF
PROTO: (2880.100*5)150K.DRW 11-OCT-82 12:52				NEXT HIGHER ASSEMBLY:
FIRST USED ON OPTION/MODEL:	SIZE	CODE	NUMBER	REV.
	D	CS	10054-0-150K	

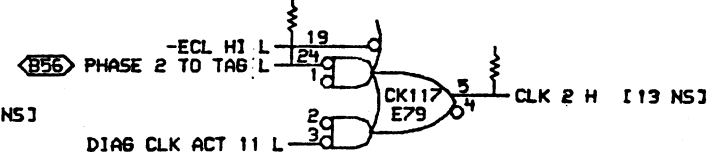
[8.3,8.6,1.1 NS]



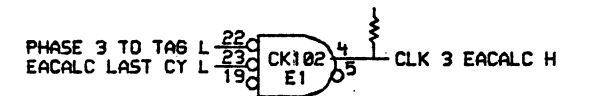
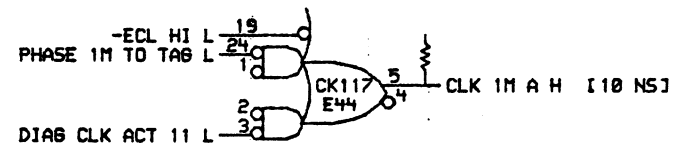
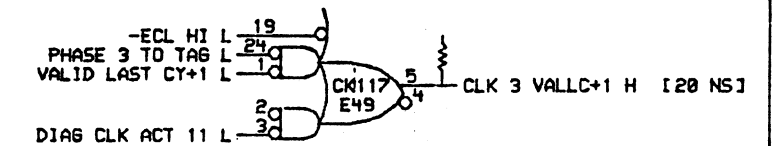
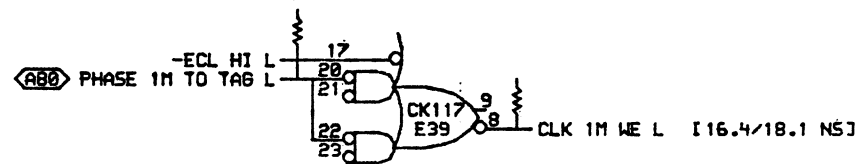
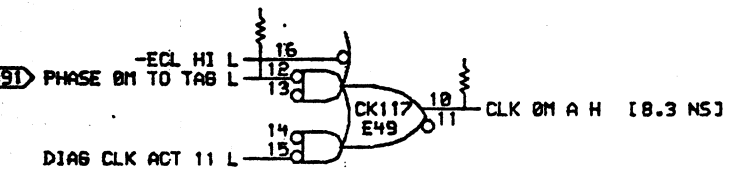
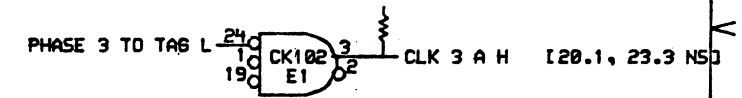
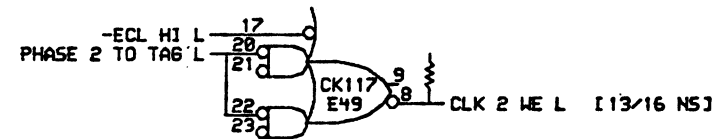
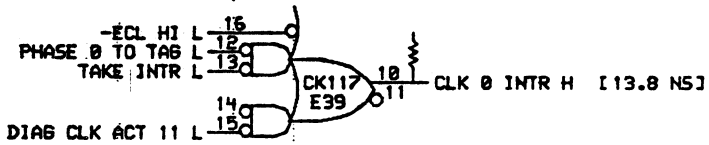
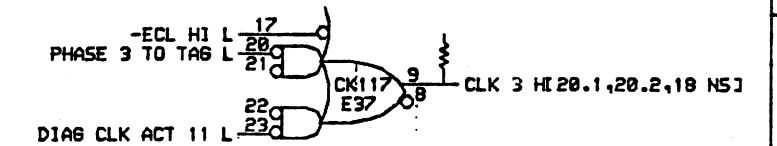
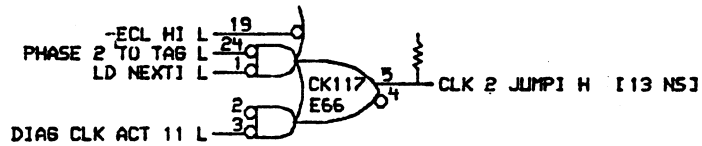
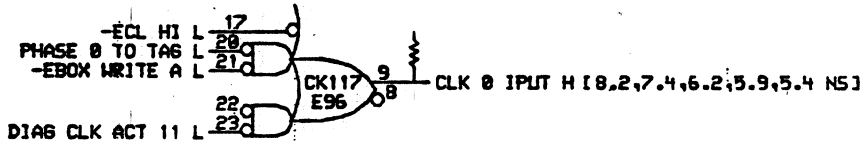
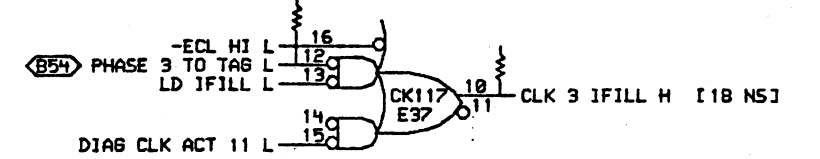
[8.0,8.8 NS]



[13.5,13 NS]

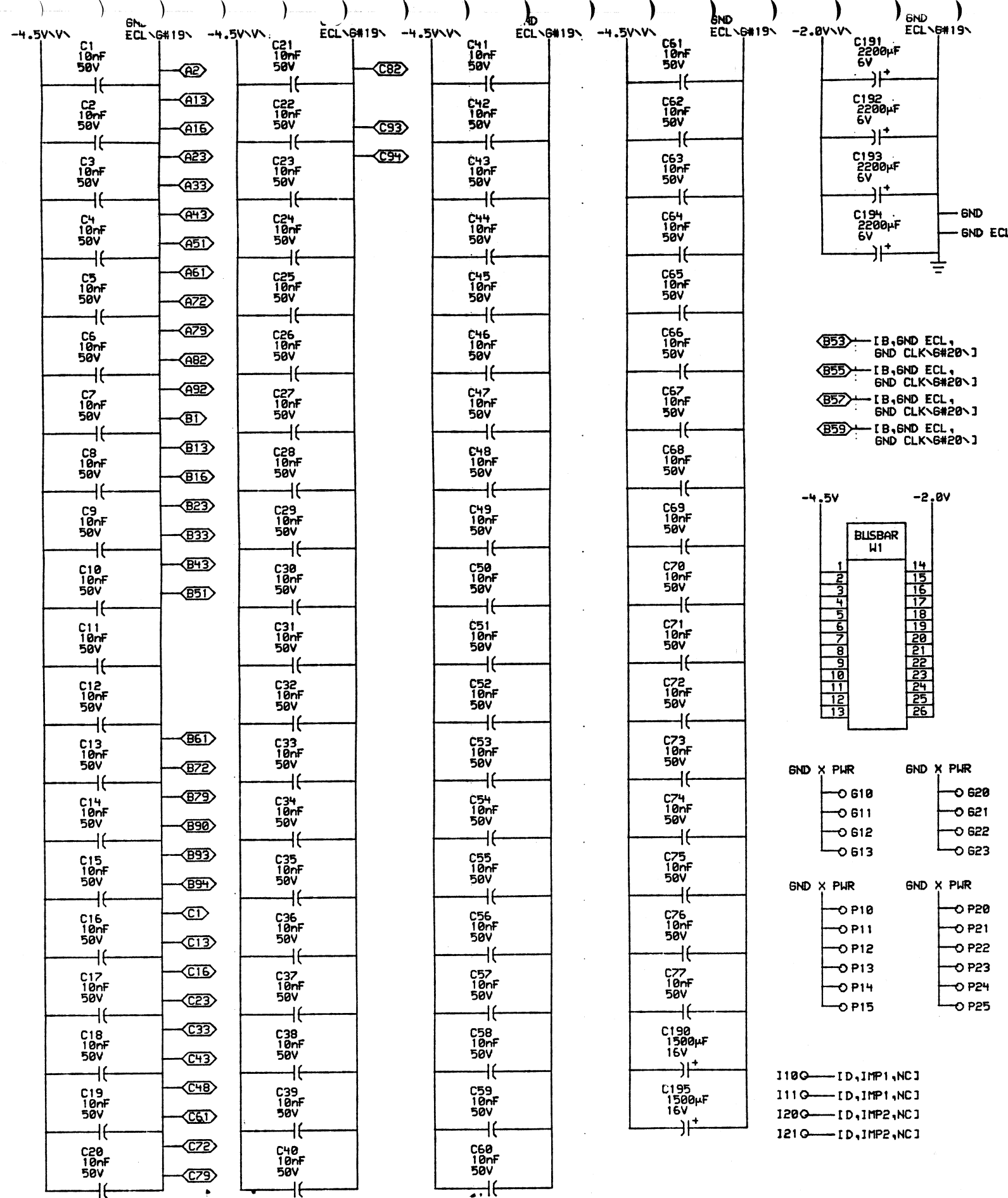


[20 NS,22.6 NS]



[A62] PHASE 3M TO TAG L

DRN.	DATE	ENG.	DATE	TITLE:	CLOCKS	
CHK'D.	DATE	BOARD LOCATION:	SHEET	OF	SIZE	CODE
PROJECT: <2888.L0054> ISQL, DRW 107-OCT-82 15:37 NEXT HIGHER ASSEMBLY:				NUMBER	REV.	
FIRST USED ON OPTION/MODEL:				D	CS	L0054-0-ISQL



- (A7) - NC
- (A8) - NC
- (A31) - NC
- (A32) - NC
- (A52) - NC
- (A53) - NC
- (A54) - NC
- (A67) - NC
- (B4) - NC
- (B67) - NC
- (C21) - NC
- (C29) - NC
- (C32) - NC
- (C34) - NC
- (C46) - NC
- (C49) - NC
- (C50) - NC
- (C51) - NC
- (C52) - NC
- (C53) - NC
- (C56) - NC
- (C58) - NC
- (C62) - NC
- (C66) - NC
- (C68) - NC
- (C70) - NC

SPARE E2

SPARE E14

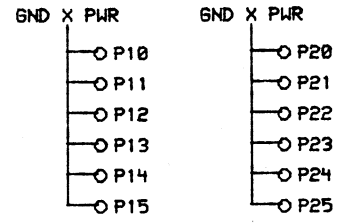
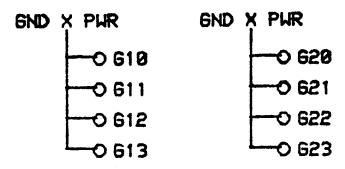
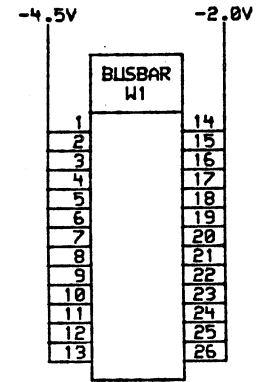
SPARE E15

SPARE E21

SPARE E36

SPARE E51

- (B53) - I B, GND ECL, GND CLK\6#20\ J
- (B55) - I B, GND ECL, GND CLK\6#20\ J
- (B57) - I B, GND ECL, GND CLK\6#20\ J
- (B59) - I B, GND ECL, GND CLK\6#20\ J



- 110 - [D, IMP1, NC]
- 111 - [D, IMP1, NC]
- 120 - [D, IMP2, NC]
- 121 - [D, IMP2, NC]

DRN.	DATE	ENG.	DATE	TITLE:
CHK'D.	DATE	BOARD LOCATION:	SHEET 1 OF 1	ISQ POWER & GROUND
PROJ: <2000.L0043>ISQ.DRW 11-OCT-02 12:58 FIRST USED ON OPTION/MODEL: KC10 B-DD-L00??-0				SIZE CODE NUMBER REV. D CS L0054-0-ISQM *

VULCAN:<2080.L0054>48TAG1
VULCAN:<2080.L0054>56TAG2
VULCAN:<2080.L0054>45TAG3
VULCAN:<2080.L0054>51TAG4
VULCAN:<2080.L0054>59TAG5
VULCAN:<2080.L0054>45TAG6
VULCAN:<2080.L0054>57TAG7
VULCAN:<2080.L0054>46TAG8
VULCAN:<2080.L0054>49TAG9
VULCAN:<2080.L0054>32TAGA
VULCAN:<2080.L0054>40TAGB
VULCAN:<2080.L0054>32TAGC
VULCAN:<2080.L0054>43TAGD
VULCAN:<2080.L0054>54TAGE
VULCAN:<2080.L0054>49TAGF
VULCAN:<2080.L0054>53TAGG
VULCAN:<2080.L0054>56TAGH
VULCAN:<2080.L0054>56TAGI
VULCAN:<2080.L0054>57TAGJ
VULCAN:<2080.L0054>57TAGK
VULCAN:<2080.L0054>55TAGL
VULCAN:<2080.L0054>56TAGM

E141	E128	E115	E102	E090	E077	E064	E051	E039	E026	E013
E140	E127	E114	E101	E089	E076	E063	E050	E038	E025	E012

E139	E126	E113	E100	E088	E075	E062	E049	E037	E024	E011
E138	E125	E112	E099	E087	E074	E061	E048	E036	E023	E010

E137	E124	E111	E098	E086	E073	E060	E047	E035	E022	E009
E136	E123	E110	E097	E085	E072	E059	E046	E034	E021	E008

E135	E122	E109	E096	E084	E071	E058	E045	E033	E020	E007
E134	E121	E108	E095	E083	E070	E057	E044	E032	E019	E006

E133	E120	E107	E094	E082	E069	E056	E043	E031	E018	E005
E132	E119	E106	E093	E081	E068	E055	E042	E030	E017	E004

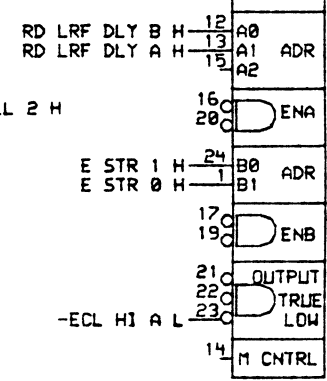
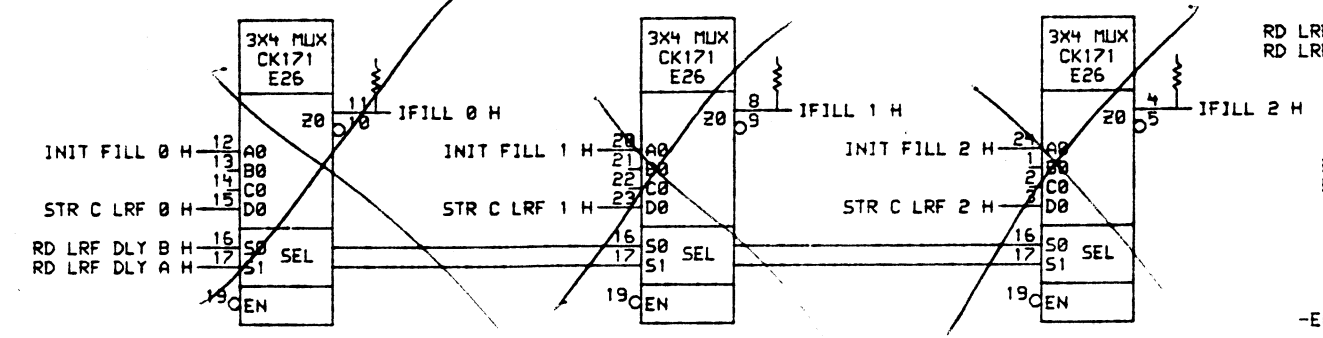
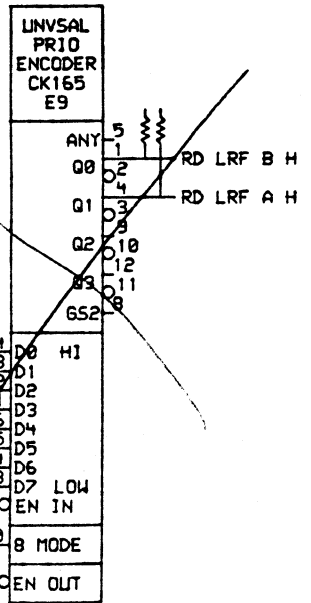
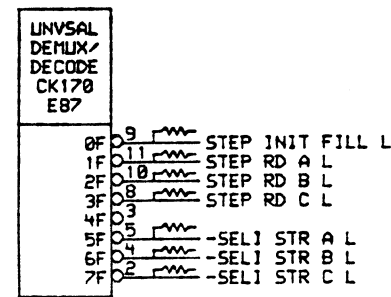
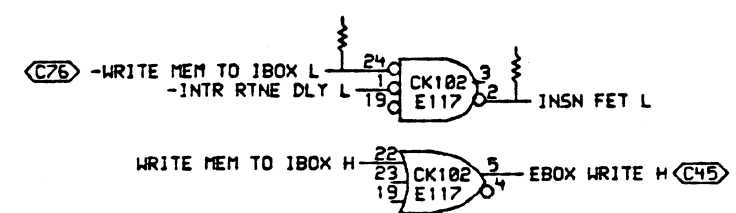
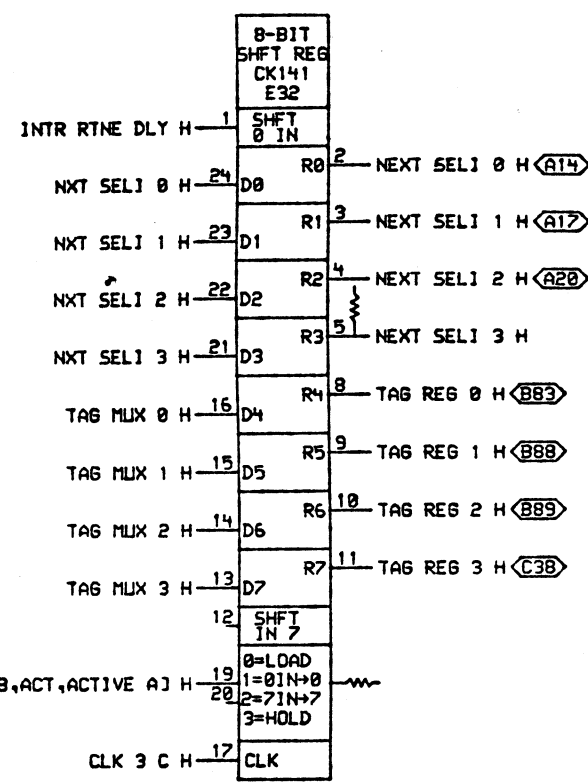
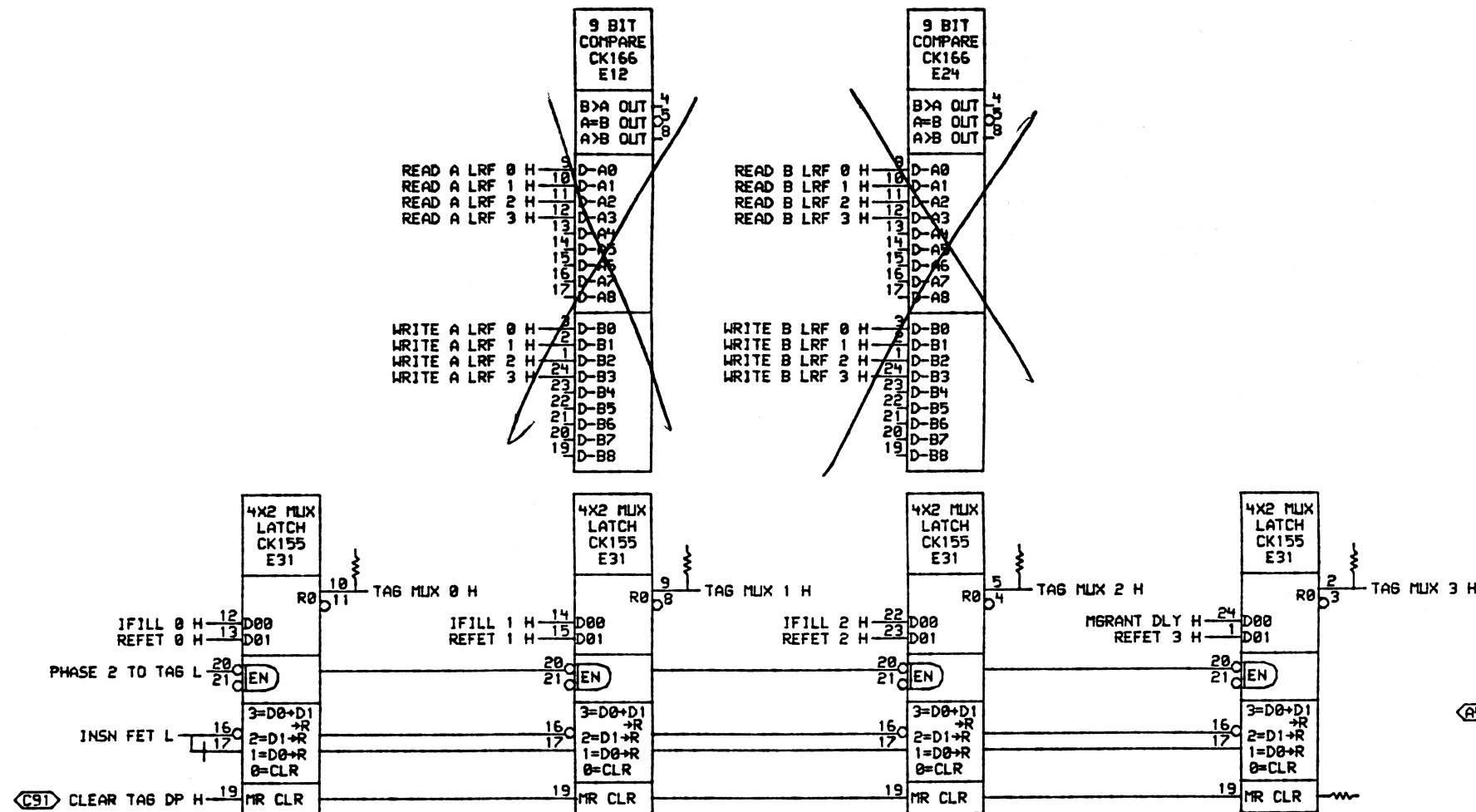
E131	E118	E105	E092	E080	E067	E054	E041	E029	E016	E003
+ C095 + +		C094		+ + C093		+ + C092		+ + C091		+ + C090 +

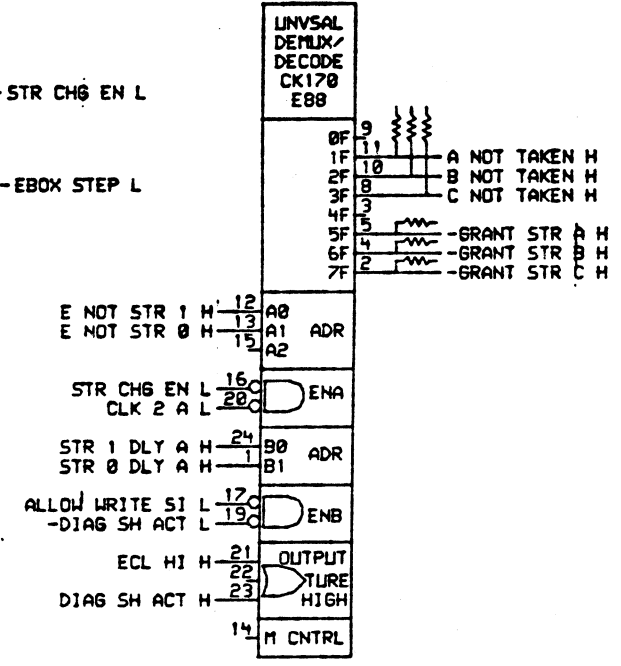
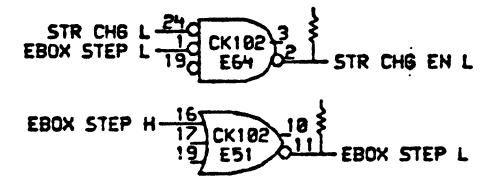
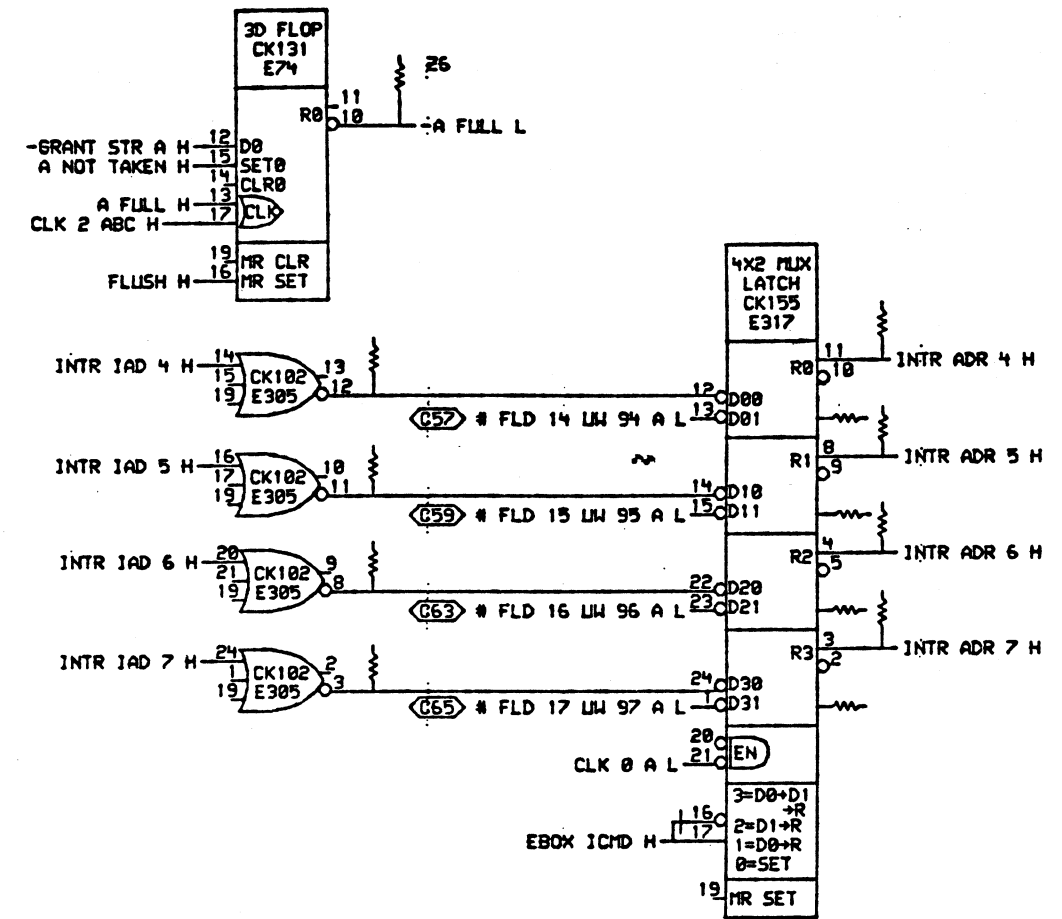
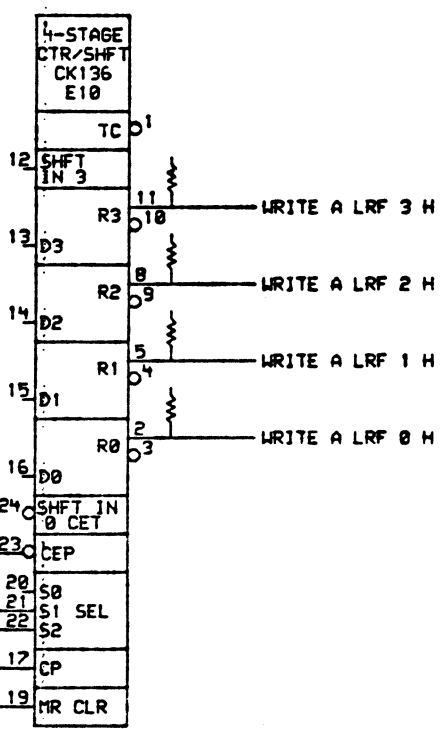
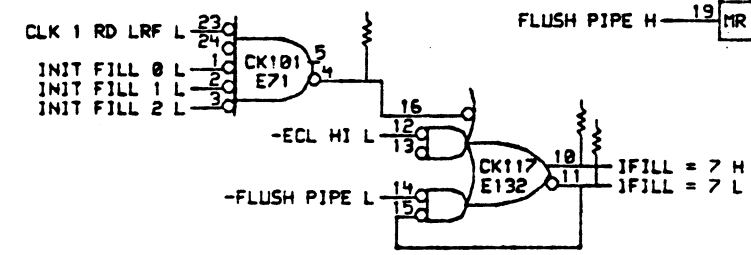
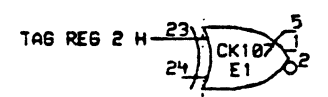
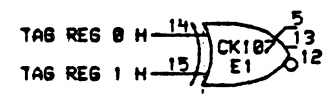
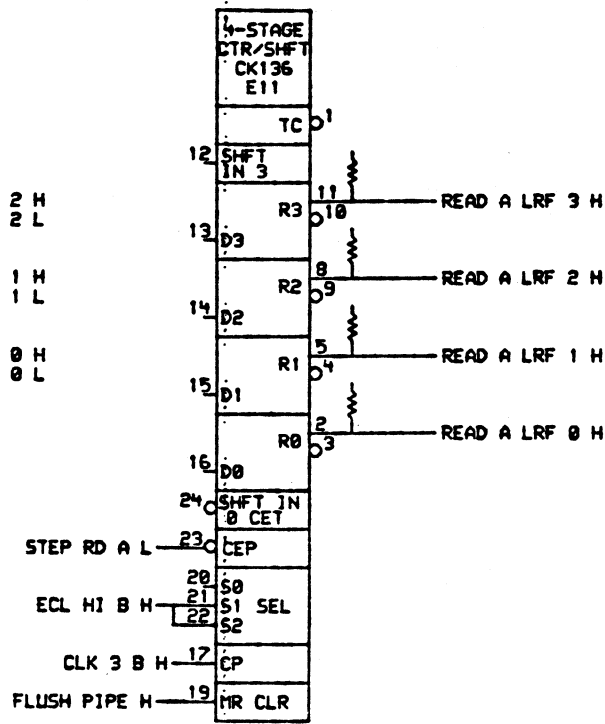
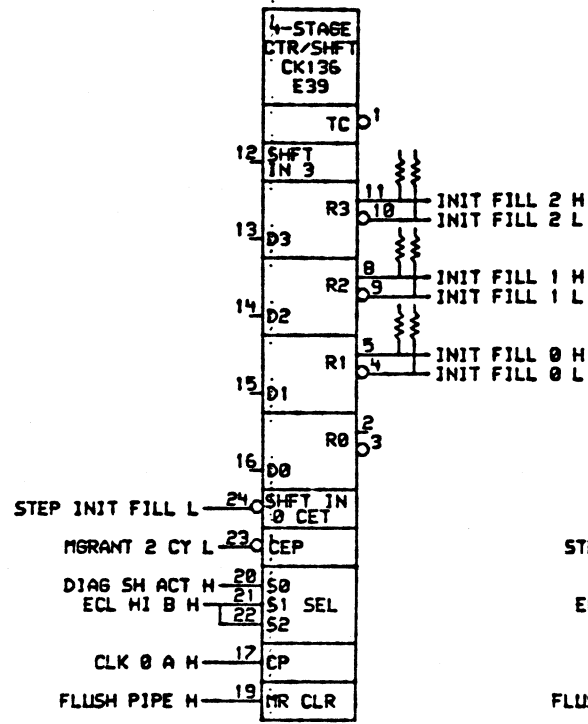
E130	E117	E104	E091	E079	E066	E053	E040	E028	E015	E002
------	------	------	------	------	------	------	------	------	------	------

E129	E116	E103	E078	E065	E052	E027	E014	E001
------	------	------	------	------	------	------	------	------

TAG

"141"

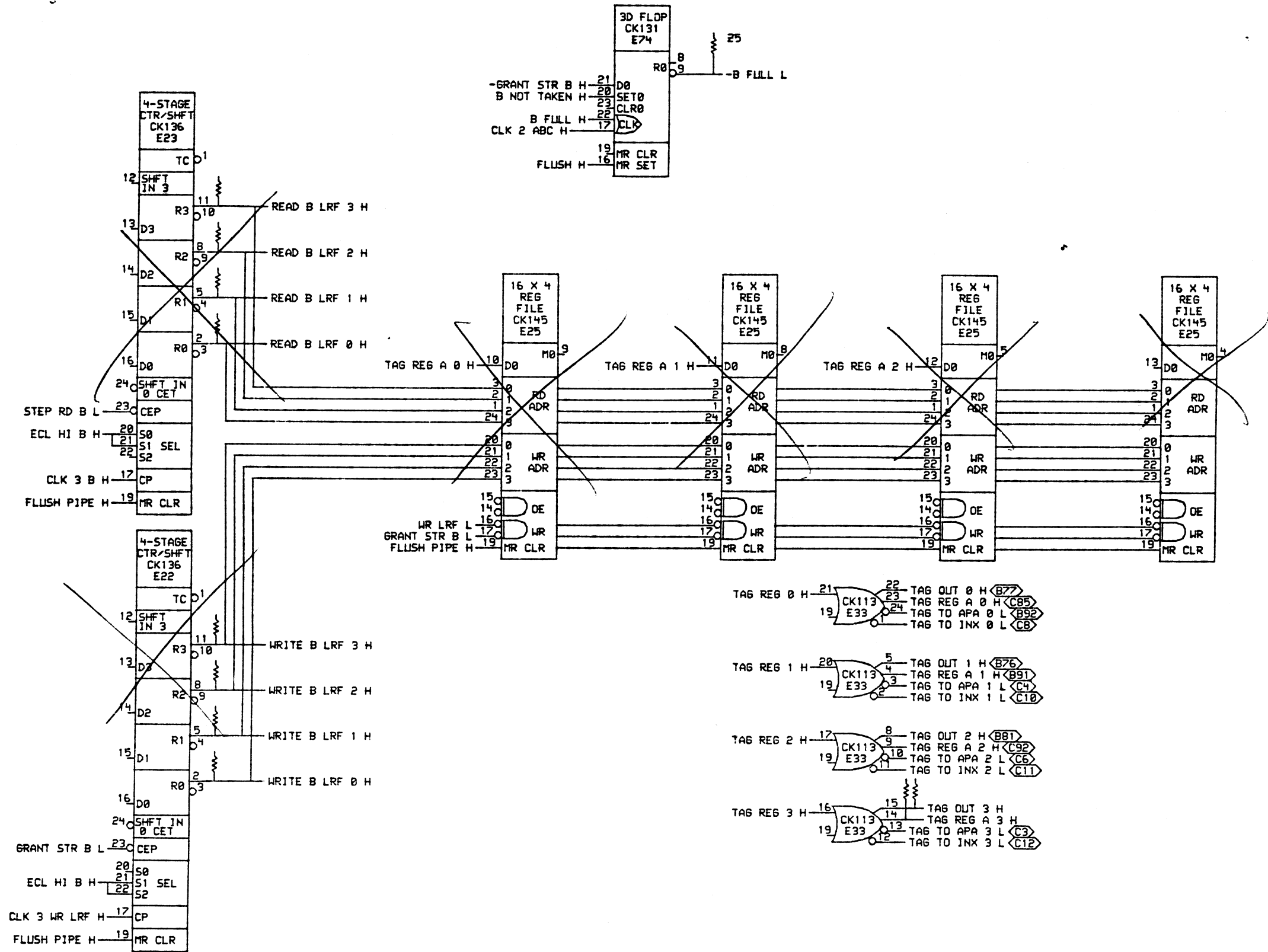




THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1982, DIGITAL EQUIPMENT CORPORATION.

REVISIONS	
CHK	CHANGE NO. REV

digital	DESIGNED BY: J. J. J.	DATE: 22-JUL-82	ENG.:	DATE:	TITLE: LRF STR A
	CHK'D:	DATE:	BOARD LOCATION:	SHEET:	
VIL D001 (2080, L0054) 56TAG2 DRU 21-JUL-82 19:10 NEXT HIGHER ASSEMBLY:			SIZE CODE: D CS	NUMBER: L0054-0-TAG2	REV.:



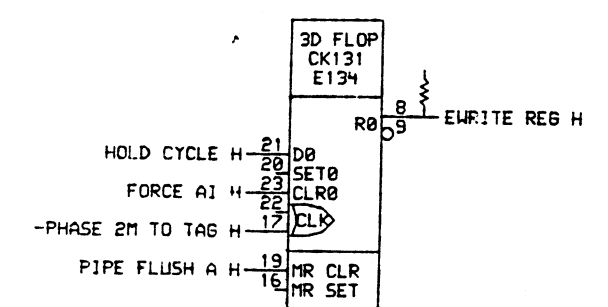
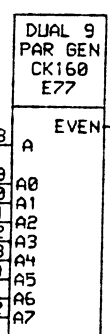
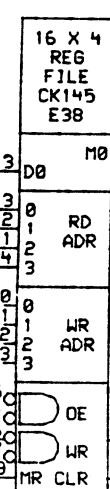
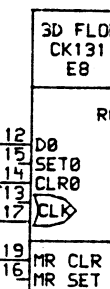
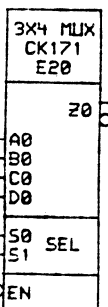
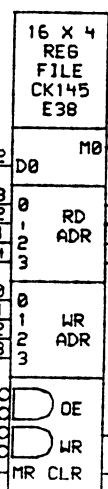
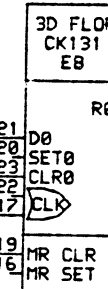
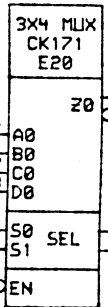
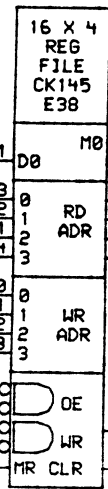
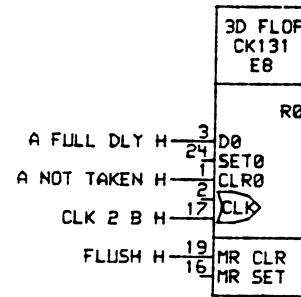
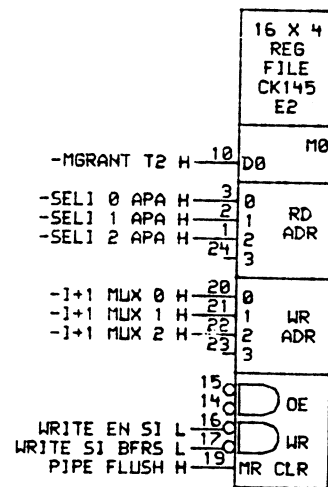
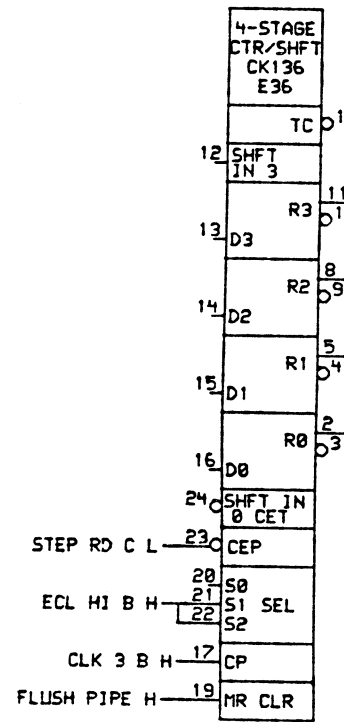
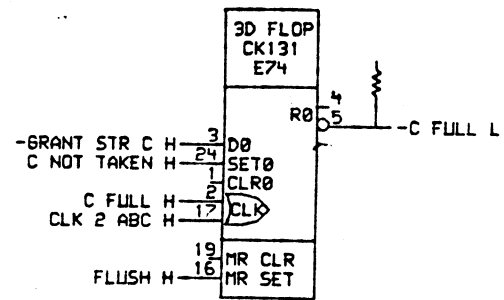
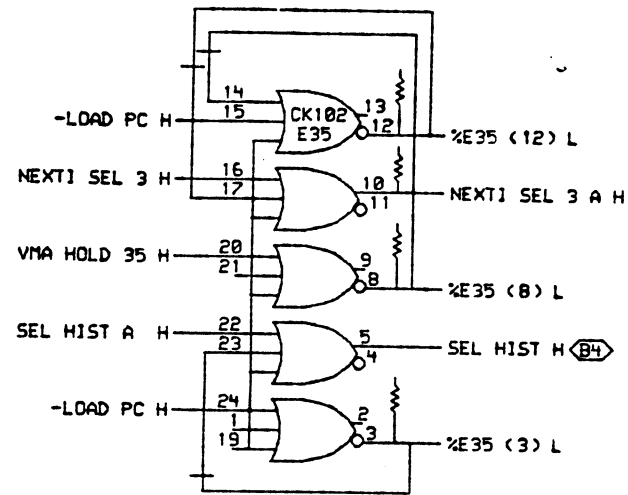
THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1982, DIGITAL EQUIPMENT CORPORATION.

REVISIONS	
CHK	CHANGE NO. REV.

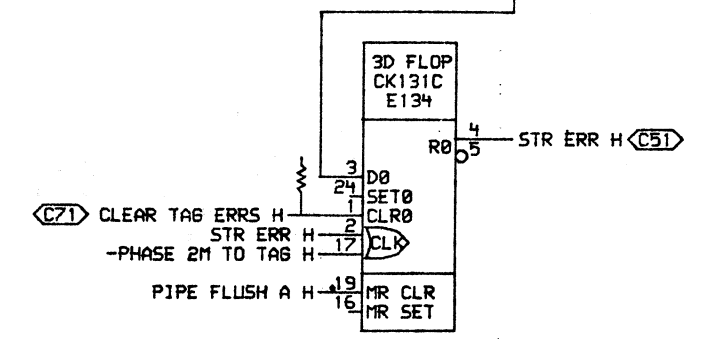
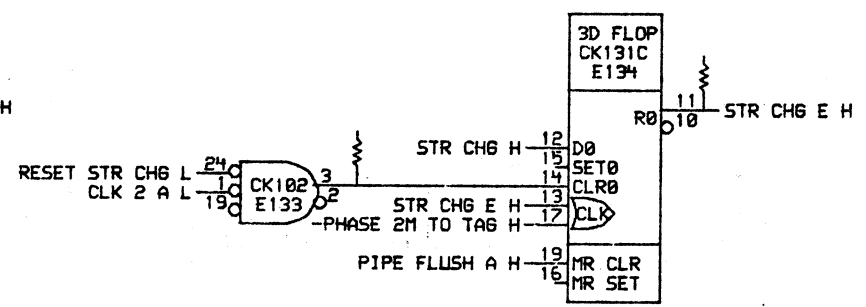
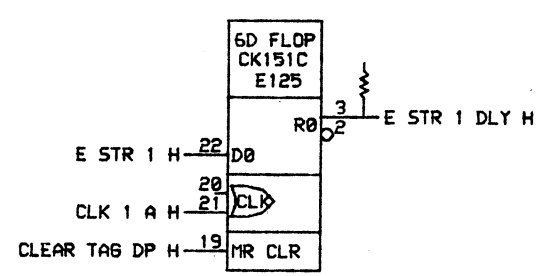
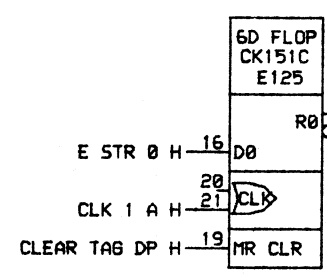
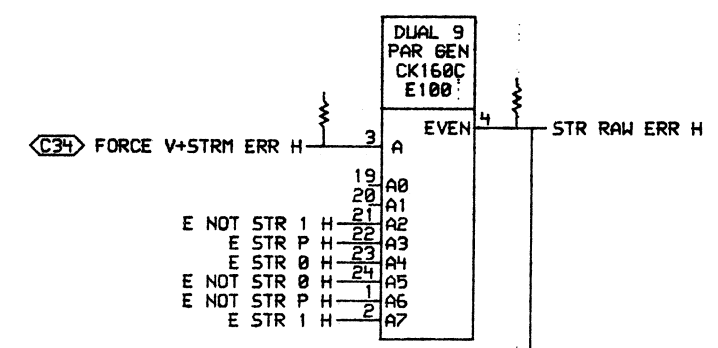
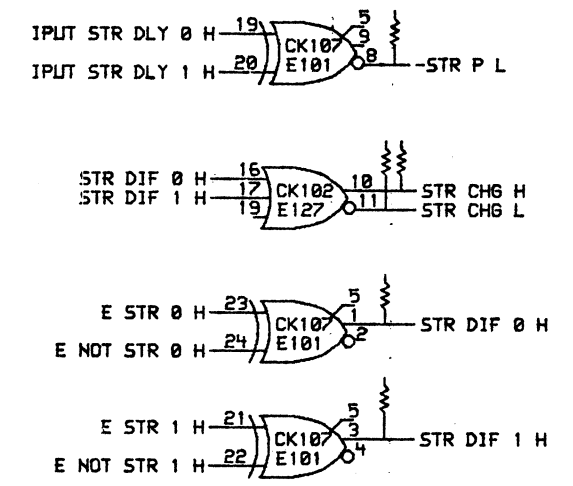
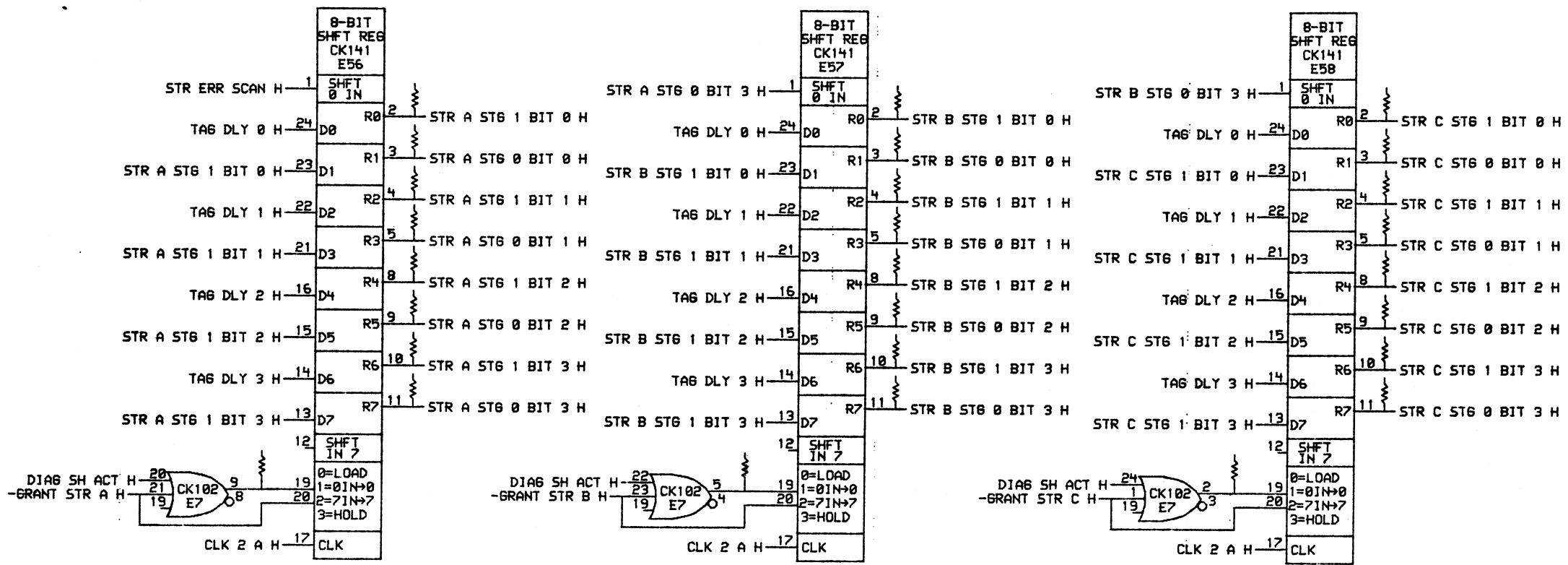
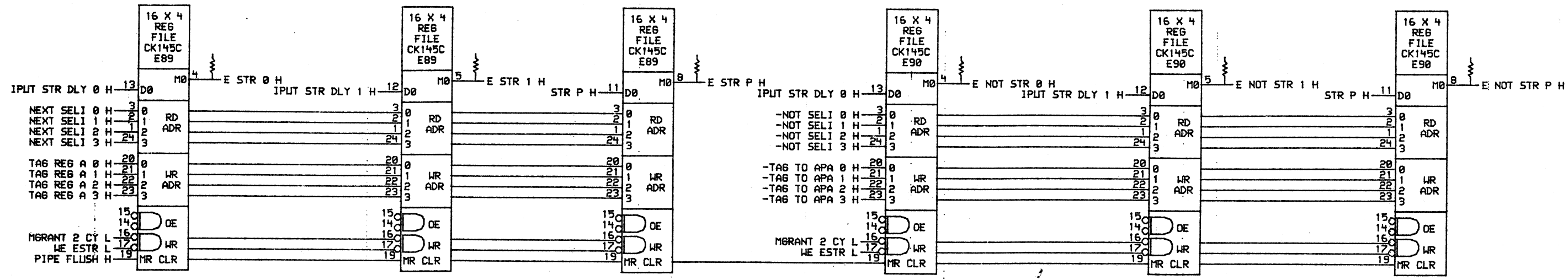
--	--	--	--	--	--	--	--	--	--

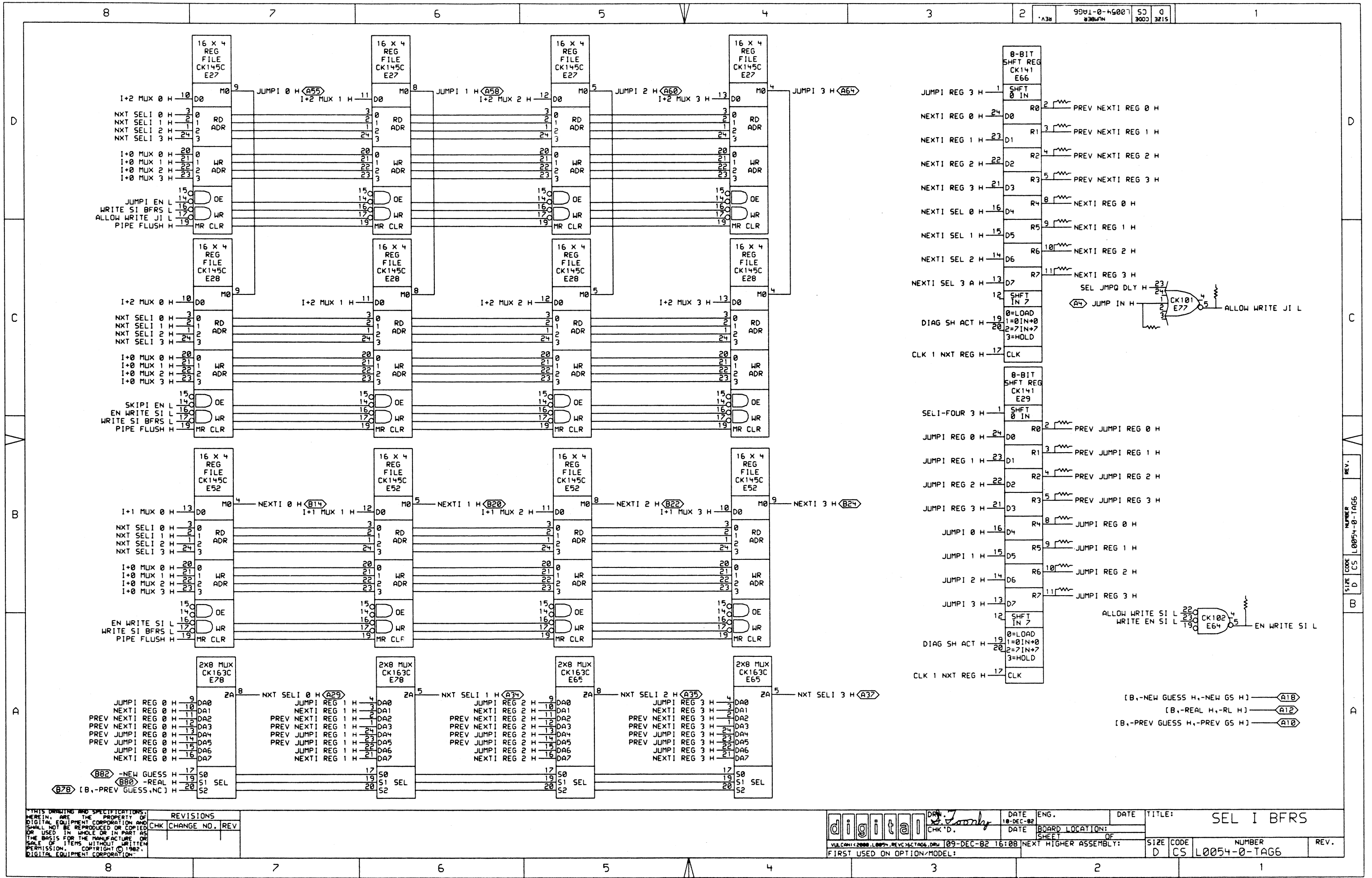
	DRW. <i>J. J. J.</i> CHK'D.	DATE 11-APR-82 DATE	ENG. BOARD LOCATION:	DATE SHEET OF	TITLE: LRF STR B
	VAL CAN (2088) L0054-TAG3.DRW 109-APR-82 22:08 NEXT HIGHER ASSEMBLY:	FIRST USED ON OPTION/MODEL:	SIZE CODE D CS	NUMBER L0054-0-TAG3	REV.

REV. NUMBER L0054-0-TAG3



DRN.	DATE	ENG.	DATE	TITLE:	LRF STR C		
CHK'D.	DATE	BOARD LOCATION:	SHEET	OF	SIZE	CODE	NUMBER
VILCAN: (2000.L0054) 11A04.DRW	21-APR-82 17:54	NEXT HIGHER ASSEMBLY:			D	CS	L0054-0-TAG4
FIRST USED ON OPTION/MODEL:							REV.





9901-0-45007 CS D
 NUMBER CODE SIZE
 3021

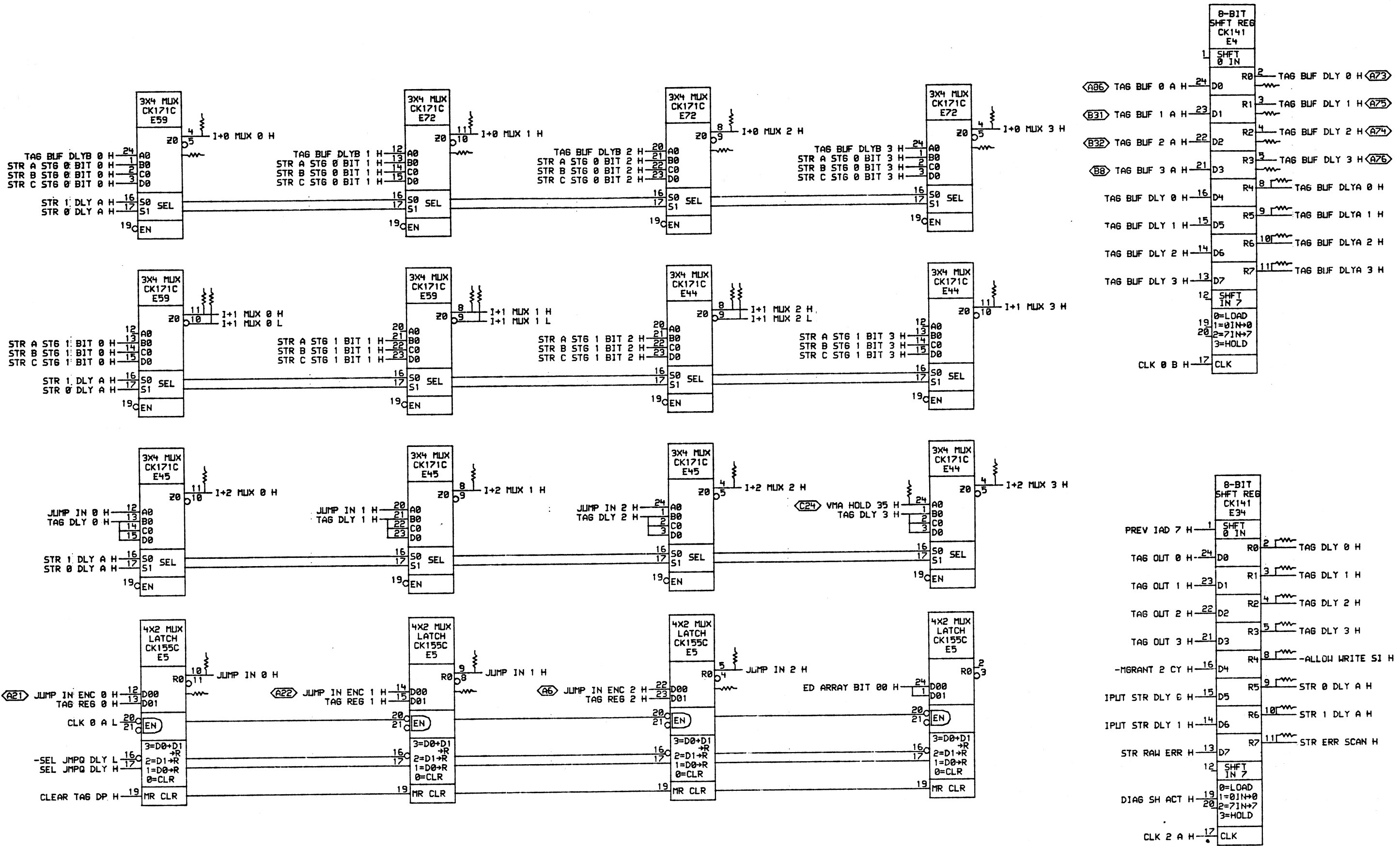
REV.
 NUMBER
 L0054-0-TAG6
 CS
 D
 B

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 © 1982
 DIGITAL EQUIPMENT CORPORATION

REVISIONS	
CHK	CHANGE NO. REV

digit@l
 DATE 10-DEC-82
 DATE 10-DEC-82
 BOARD LOCATION:
 SHEET OF
 NEXT HIGHER ASSEMBLY:

TITLE: SEL I BFRS
 SIZE CODE NUMBER REV.
 D CS L0054-0-TAG6



D

C

B

A

REV. NUMBER L0054-0-TAG7

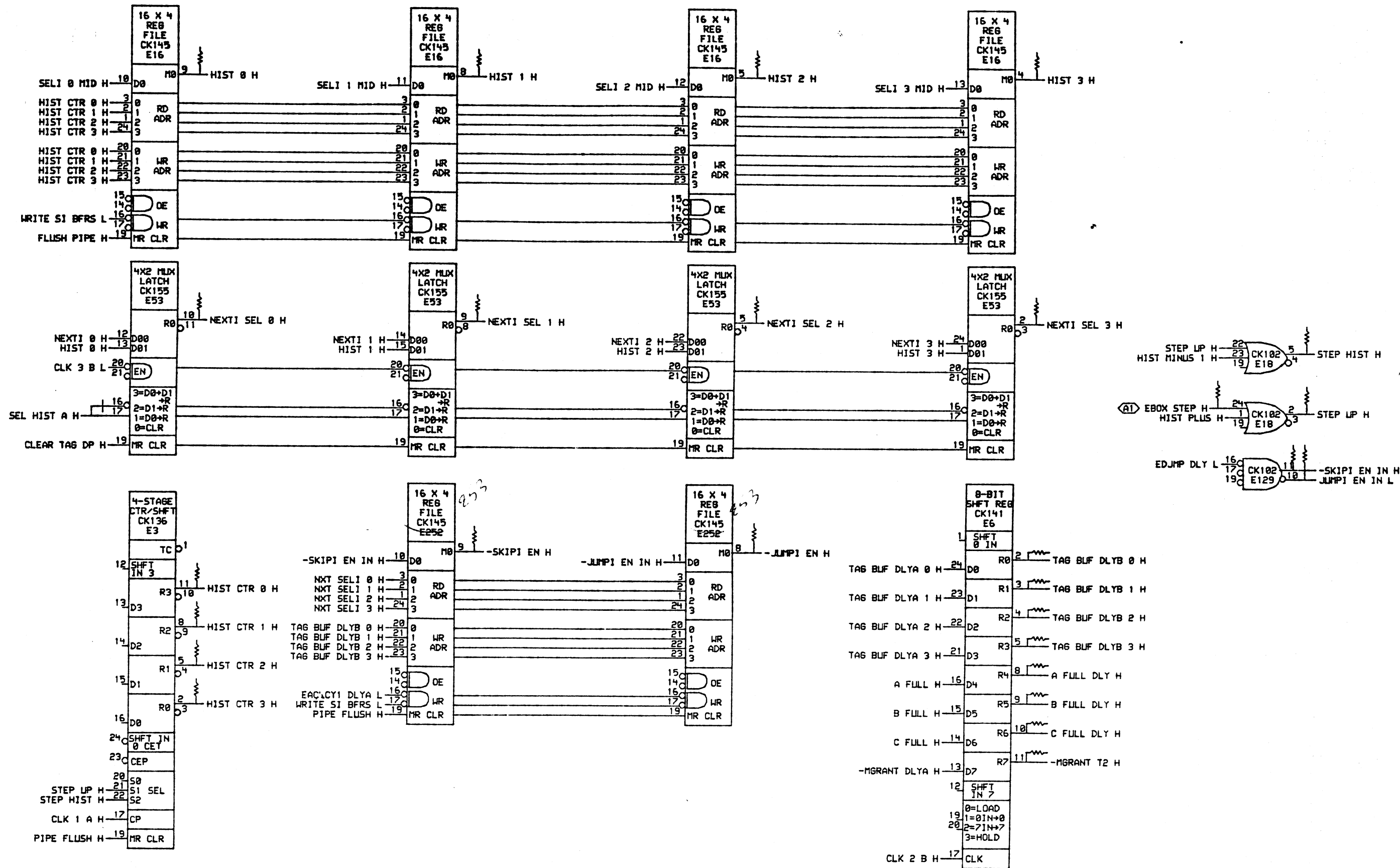
REV.

THIS DRAWING AND SPECIFICATIONS 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 © 1982, DIGITAL EQUIPMENT CORPORATION.

REVISIONS		
CHK	CHANGE NO.	REV

digital	DATE	ENG.	DATE	TITLE:
	27-AUG-82	J. J. J.		I+0, 1, 2 MUX
	DATE	BOARD LOCATION:		
		SHEET		
FIRST USED ON OPTION/MODEL:				

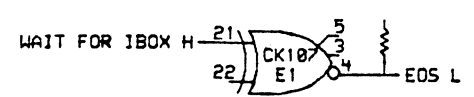
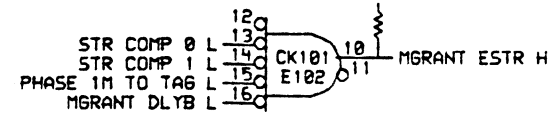
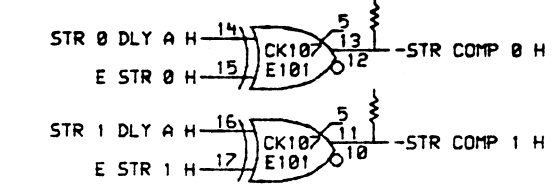
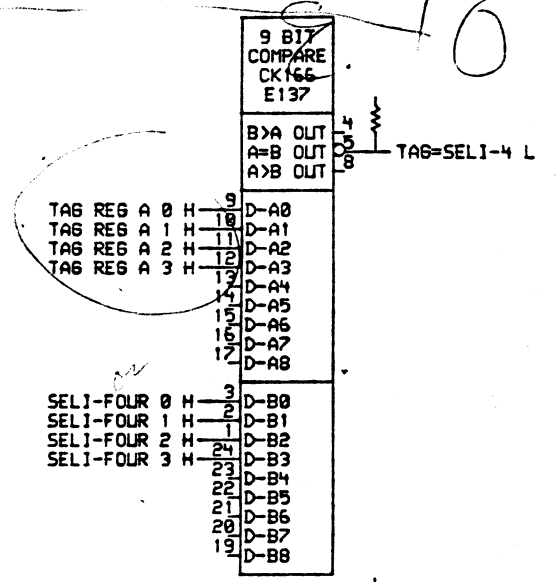
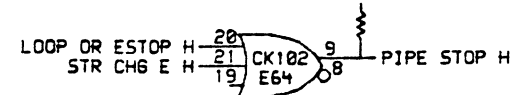
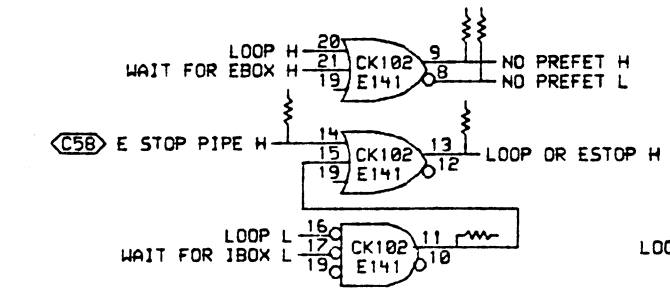
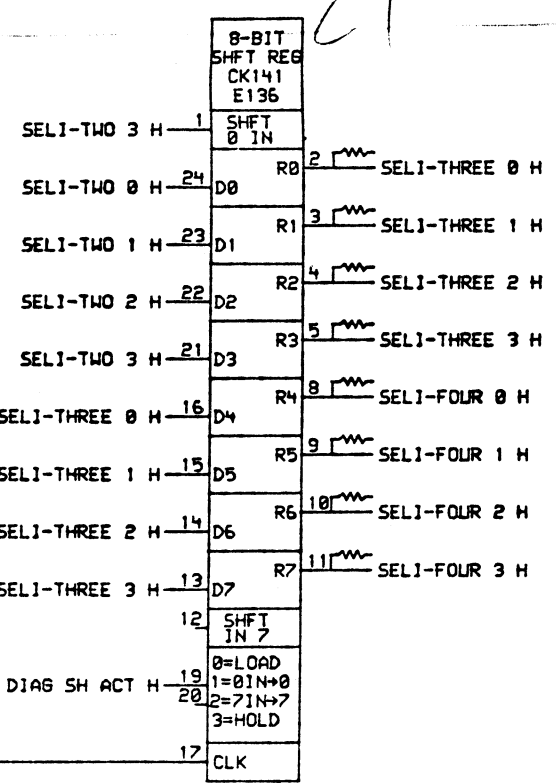
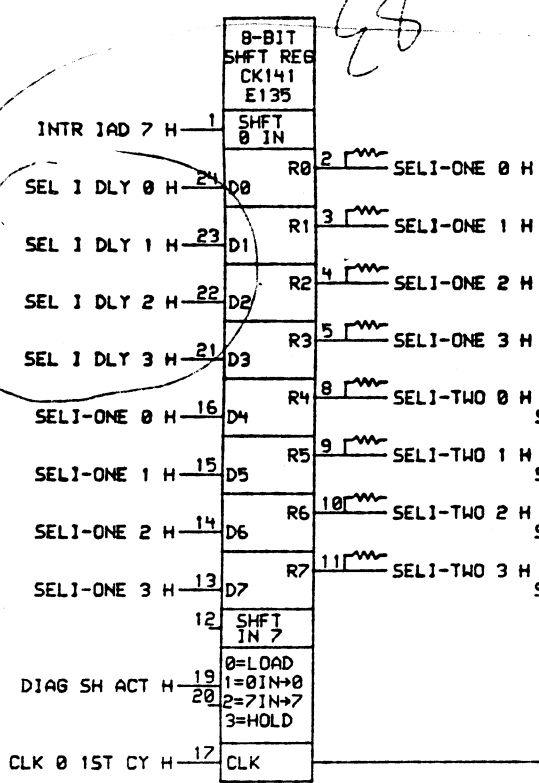
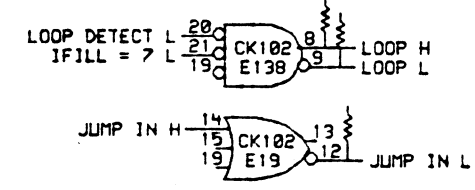
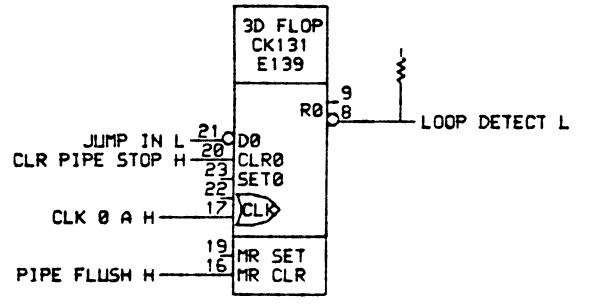
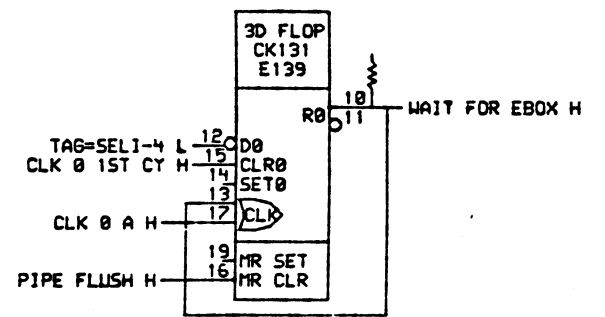
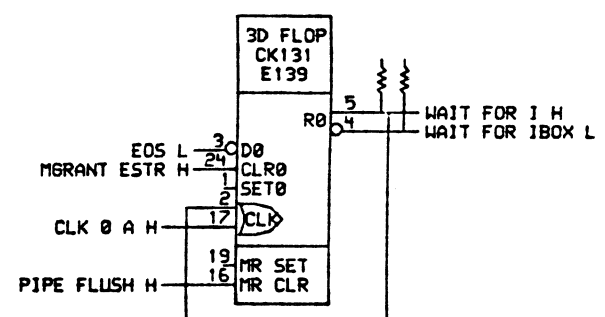
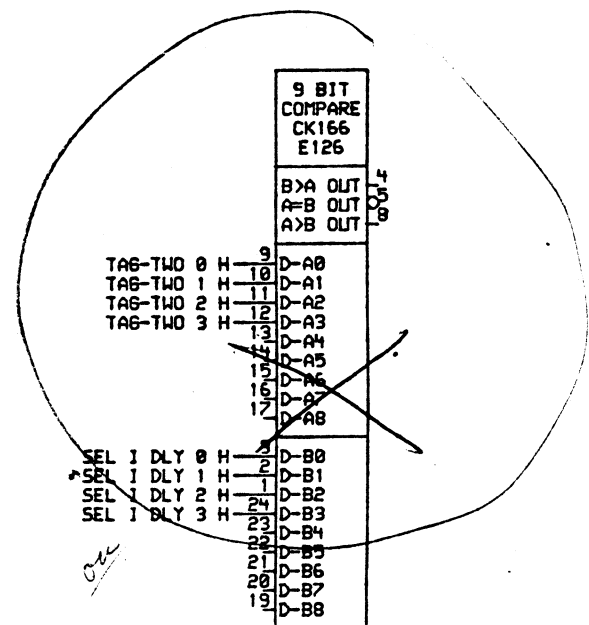
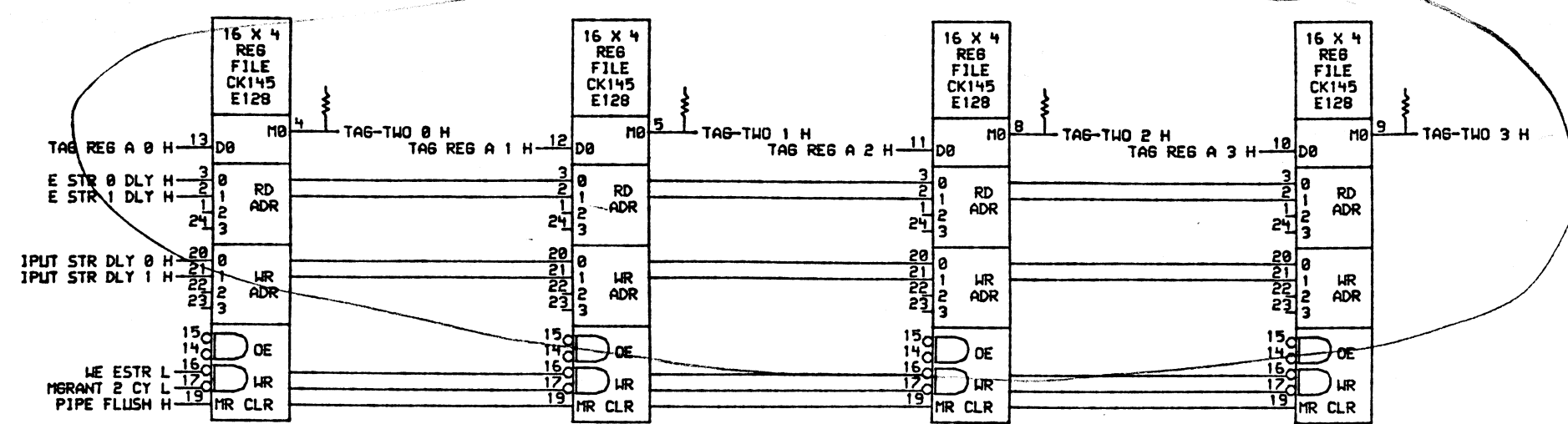
SIZE	CODE	NUMBER	REV.
D	CS	L0054-0-TAG7	



THIS DRAWING AND SPECIFICATIONS 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 © 1982 DIGITAL EQUIPMENT CORPORATION.

REVISIONS	
CHK	CHANGE NO. REV

digital	DATE	ENG.	DATE	TITLE:
	14-APR-82			SELI HIST
	DATE	BOARD LOCATION:		
		SHEET	OF	
FIRST USED ON OPTION/MODEL:				SIZE CODE
VILCAM (2000.L0054)MSTAG8.DRW 13-APR-82 16:10 NEXT HIGHER ASSEMBLY:				NUMBER
				REV.
				D CS L0054-0-TAG8

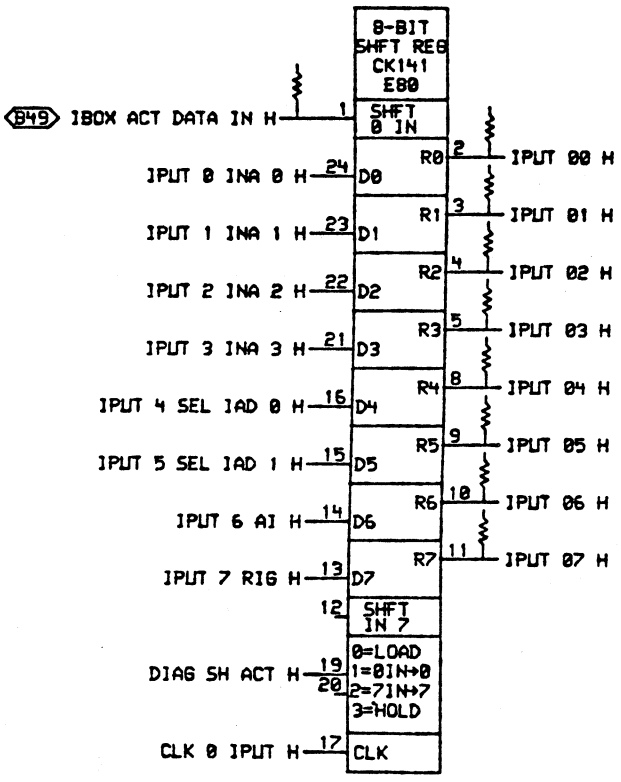
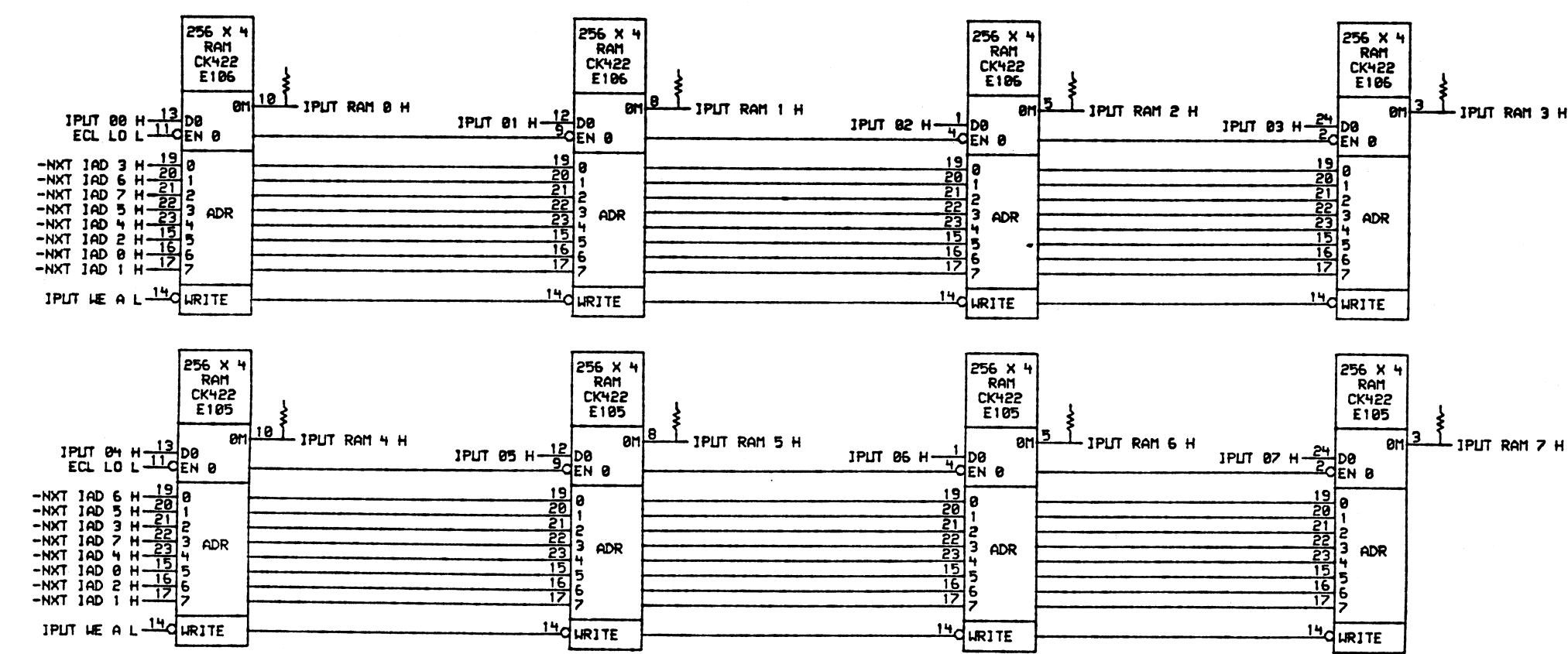
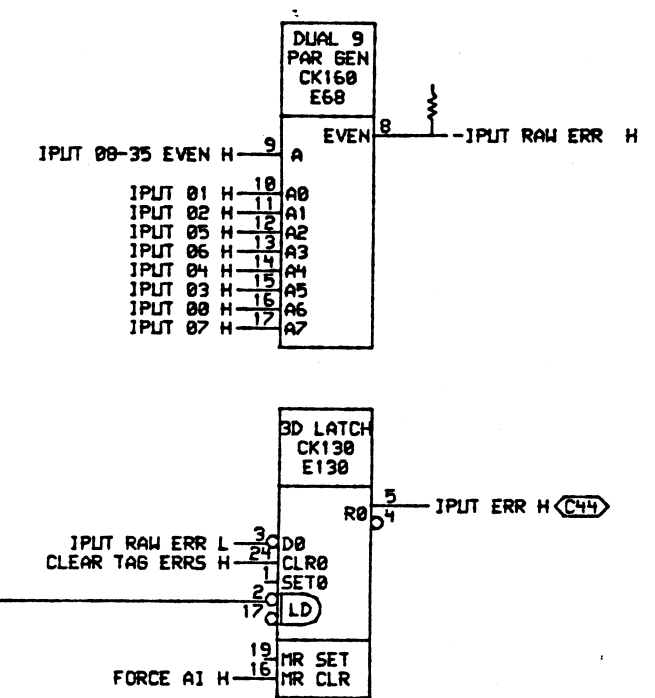
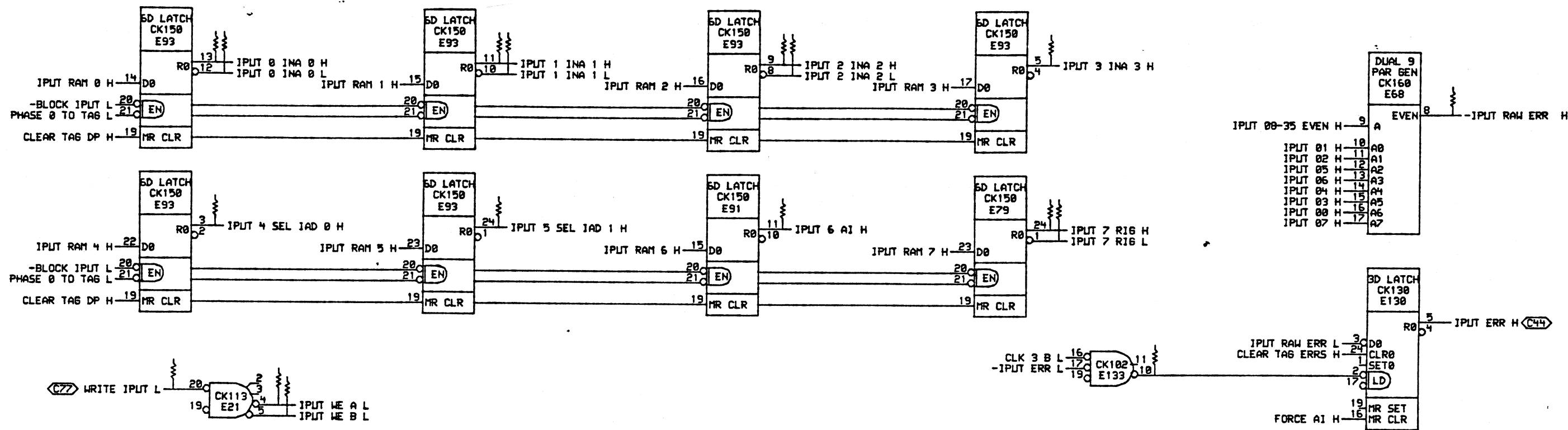


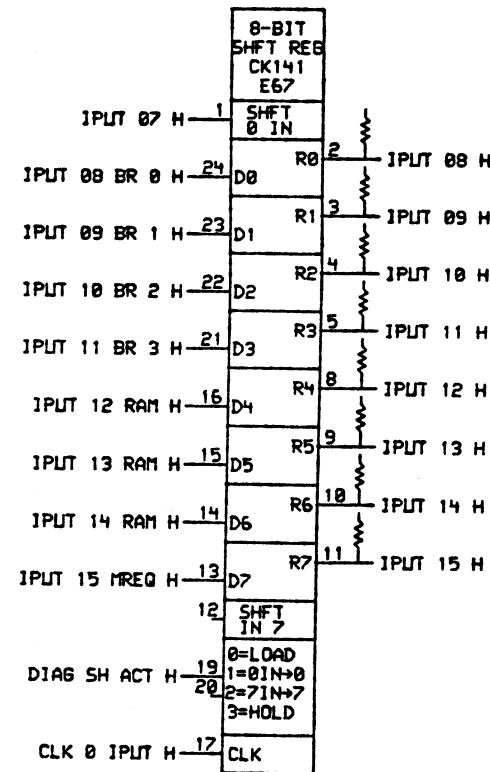
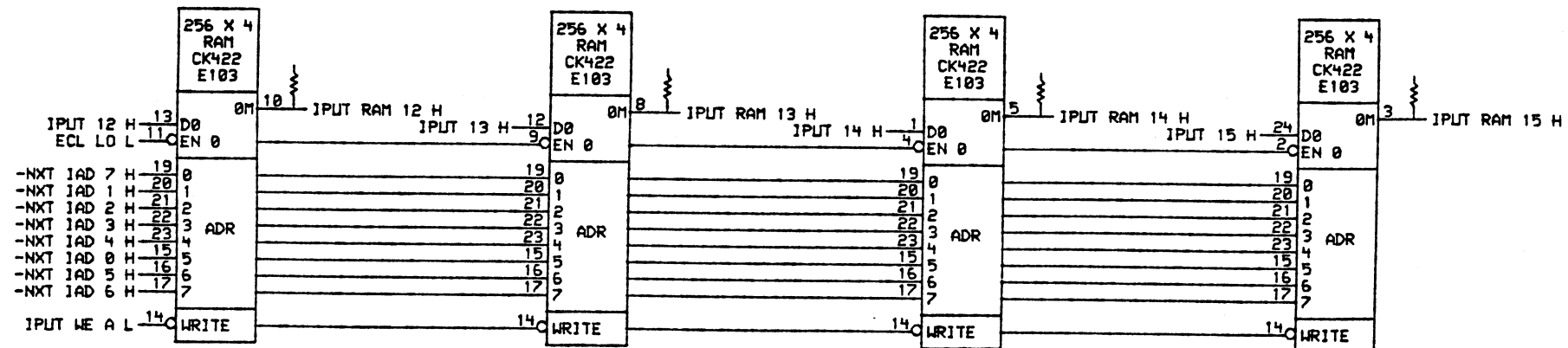
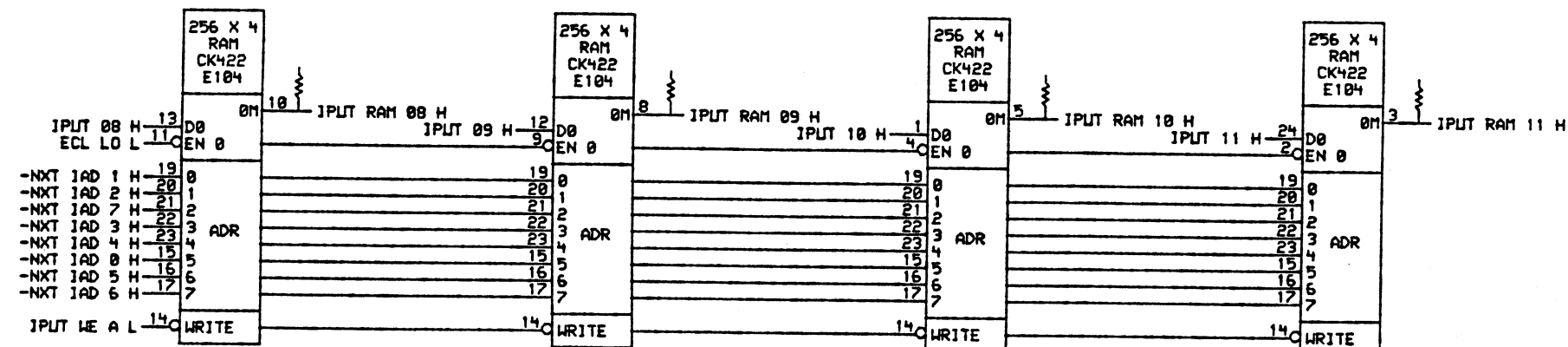
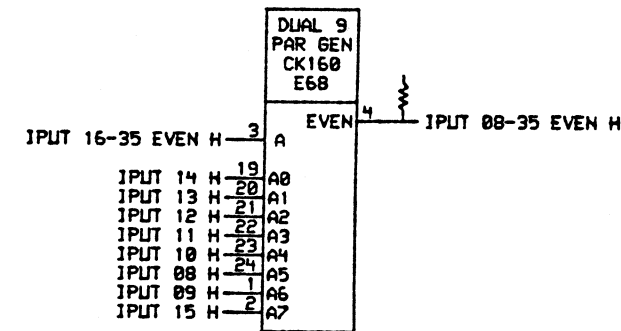
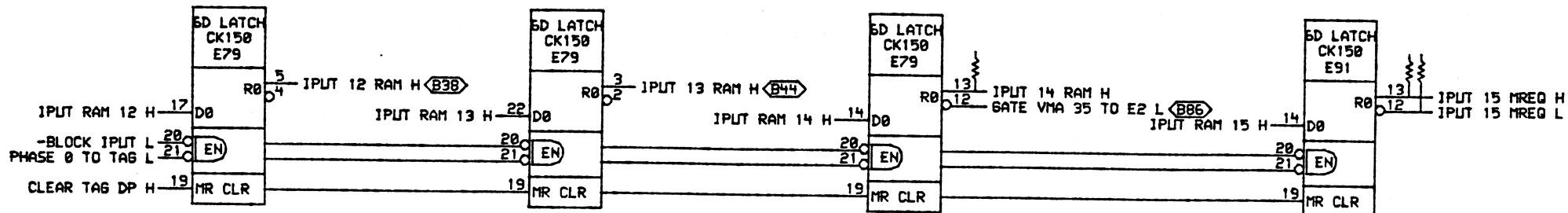
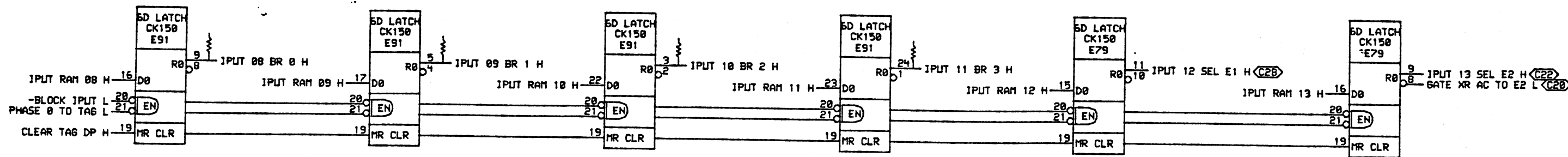
THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1982. DIGITAL EQUIPMENT CORPORATION

REVISIONS	CHK	CHANGE NO.	REV

digital
 VIL CAN (2000-1004) M1TAG9.DRW 19-APR-82 11:20 NEXT HIGHER ASSEMBLY:
 FIRST USED ON OPTION/MODEL:

DATE 20-APR-82
 ENG. SHEET OF
 TITLE: PIPE INTERLOCK
 SIZE CODE NUMBER REV.
 D CS L0054-0-TAG9



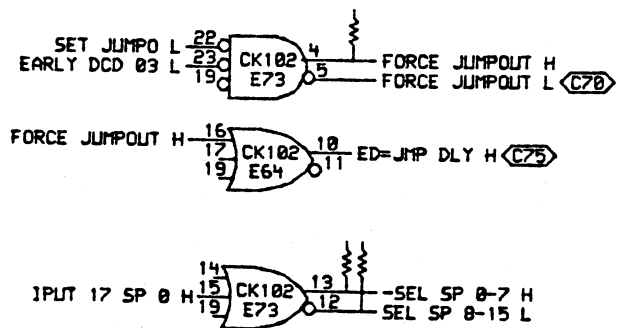
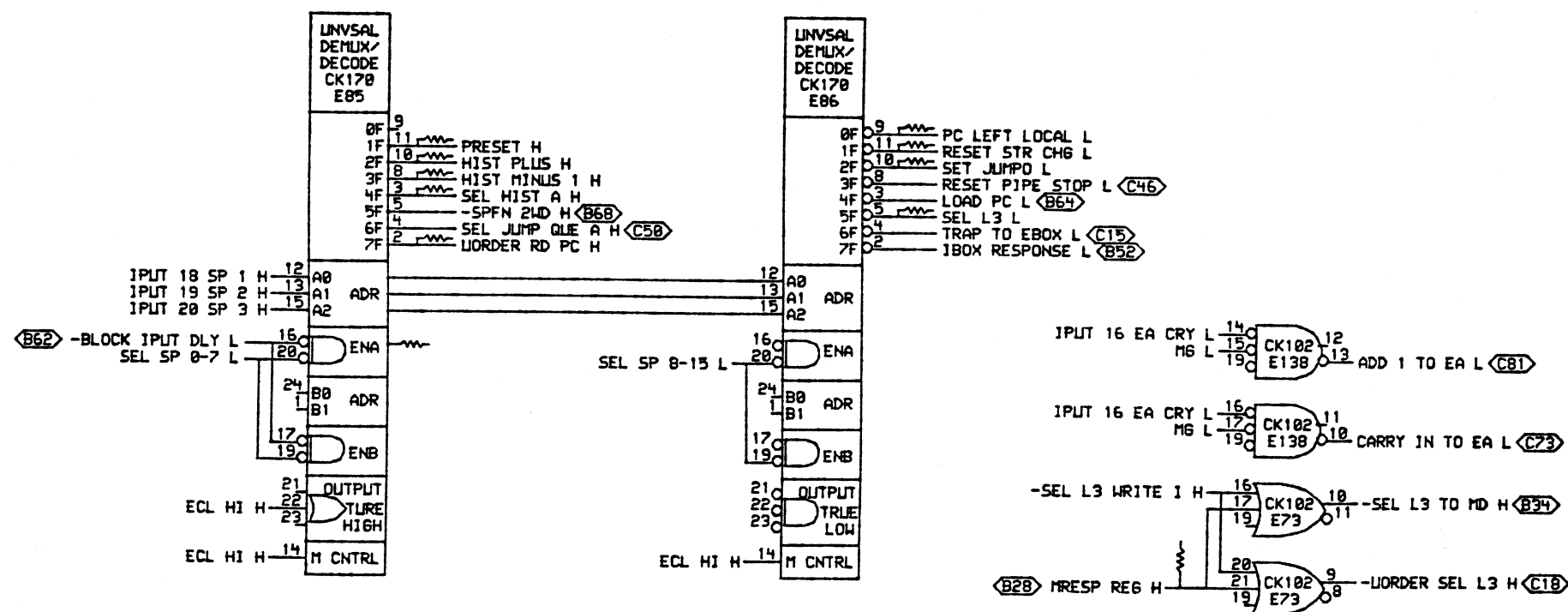
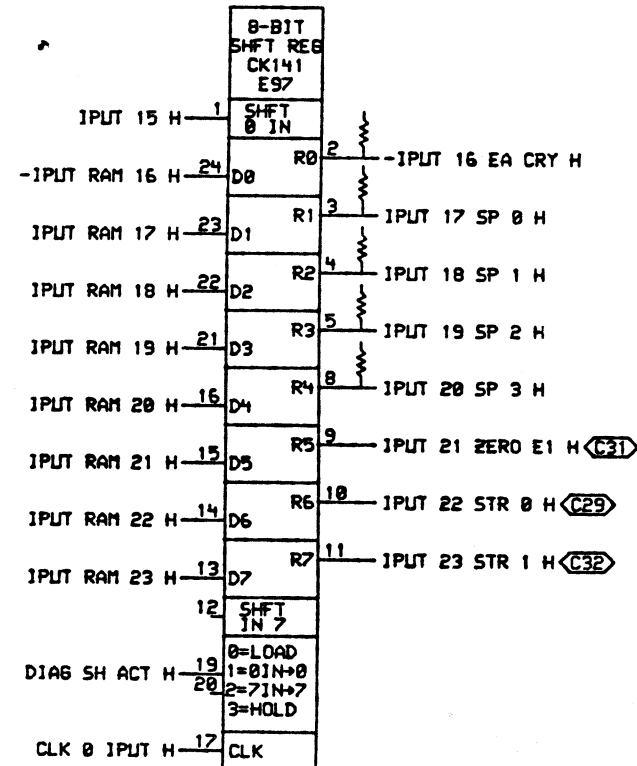
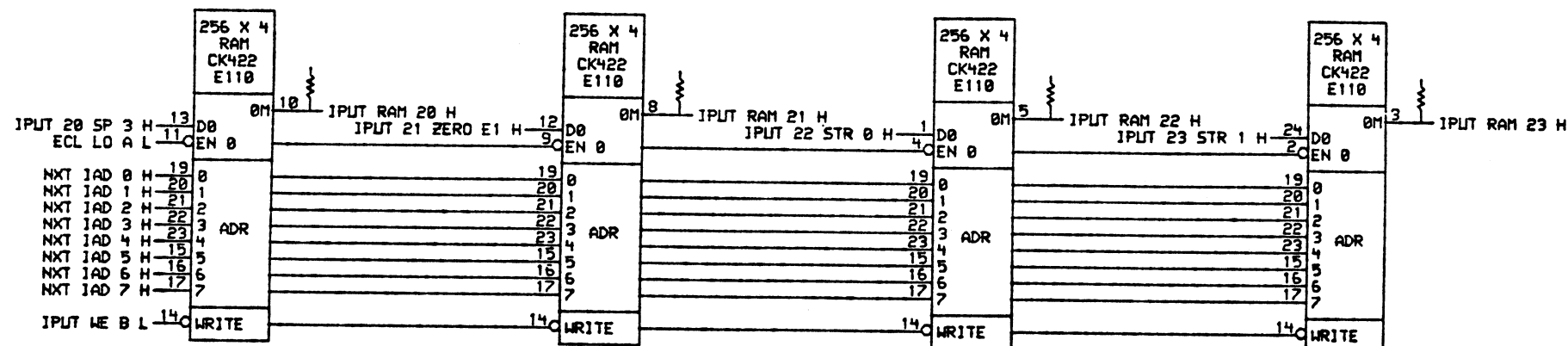
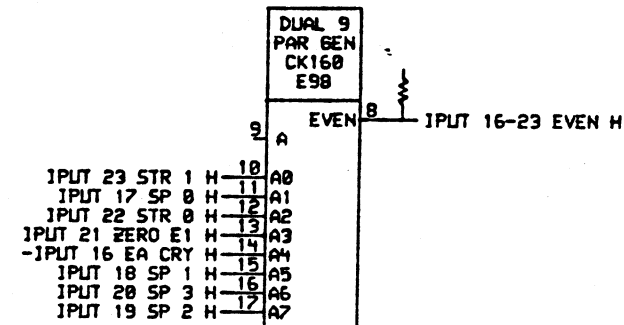
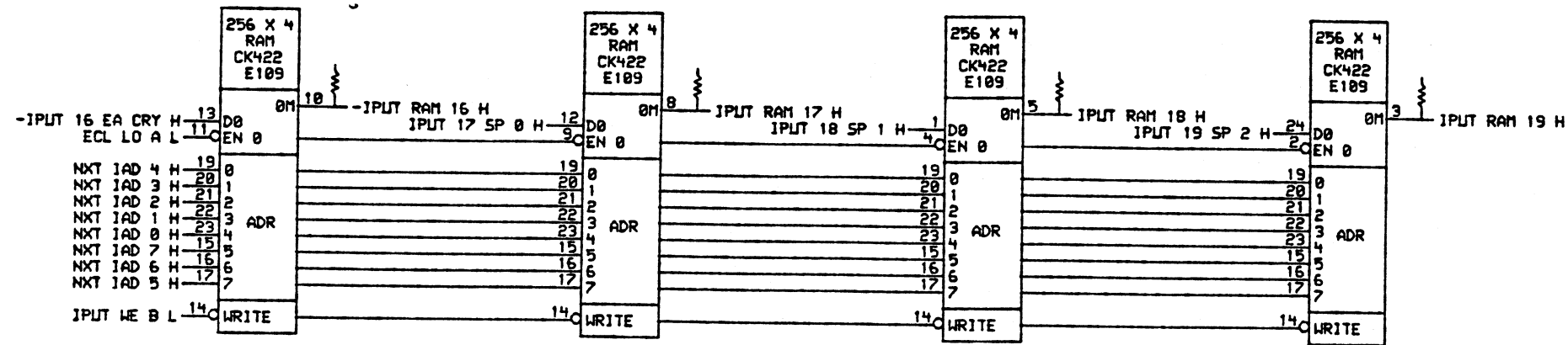


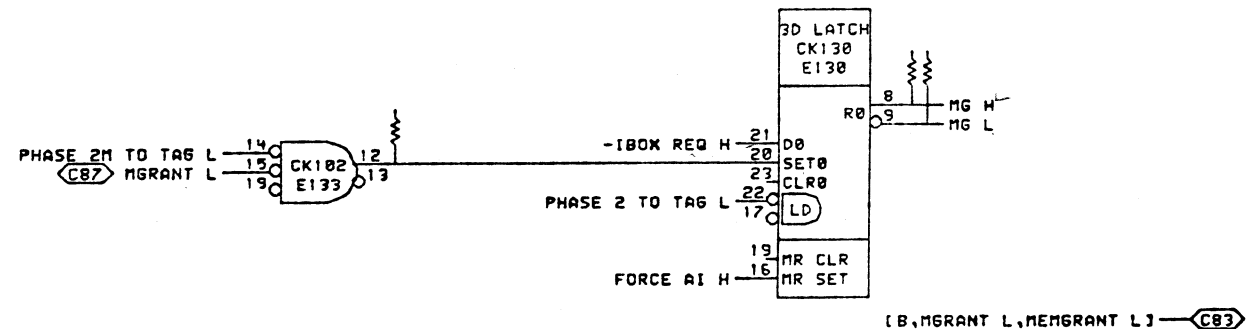
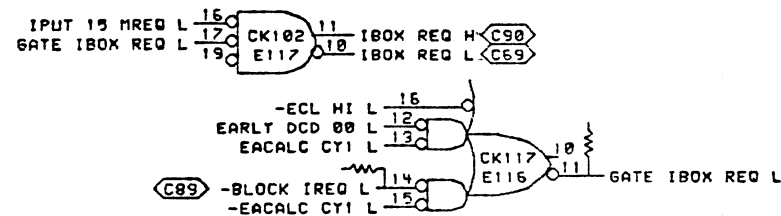
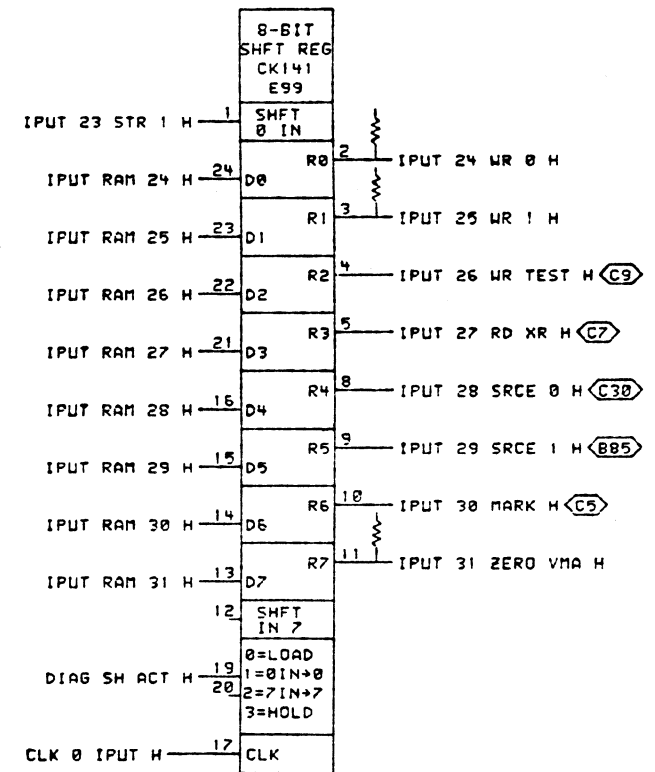
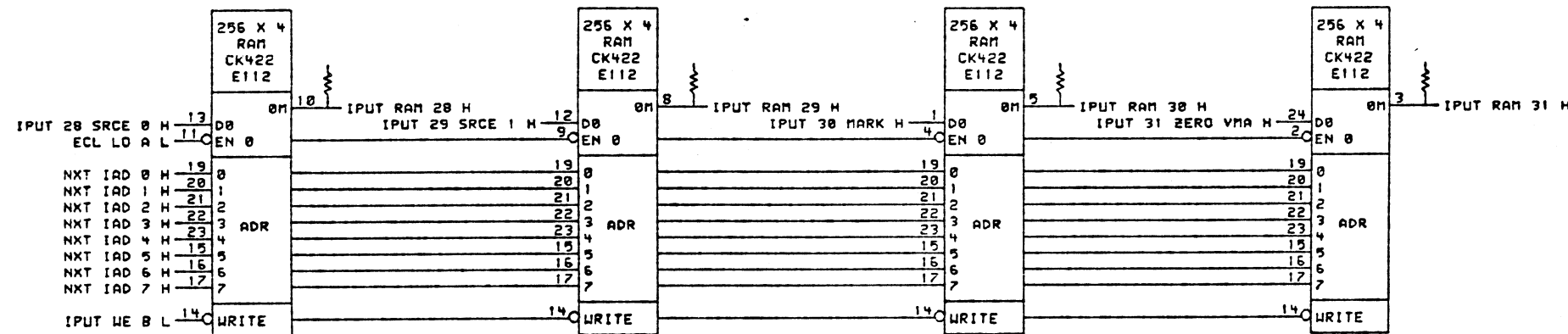
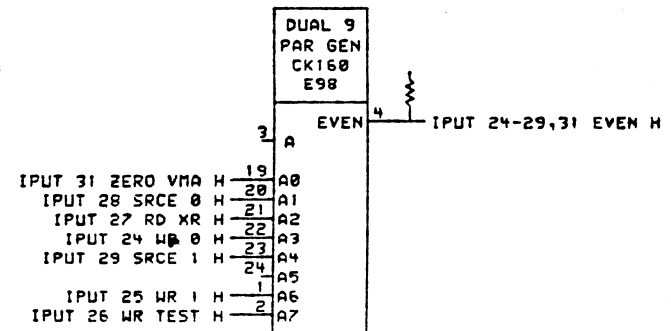
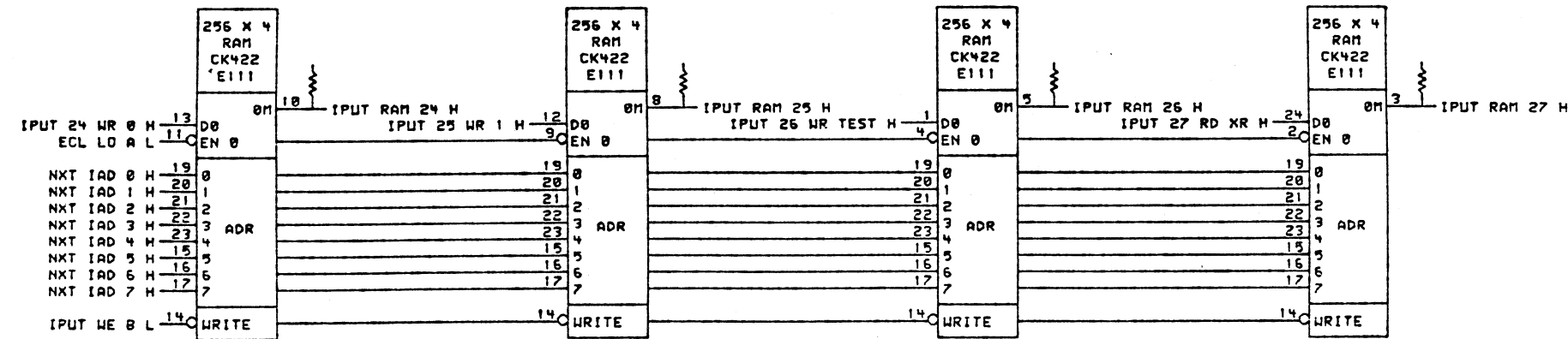
THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART AS A BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1982. DIGITAL EQUIPMENT CORPORATION.

REVISIONS		
CHK	CHANGE NO.	REV

digital	DATE: 02-MAR-82	ENG.:	DATE:	TITLE: IPLUT EARLY 08-15
CHK'D:	DATE:	BOARD LOCATION:	OF:	NUMBER:
FIRST USED ON OPTION/MODEL: 2080	NEXT HIGHER ASSEMBLY:	SIZE:	CODE:	D C5 L0054-0-TAGB

REV.:	
NUMBER:	
SIZE:	
CODE:	
REV.:	



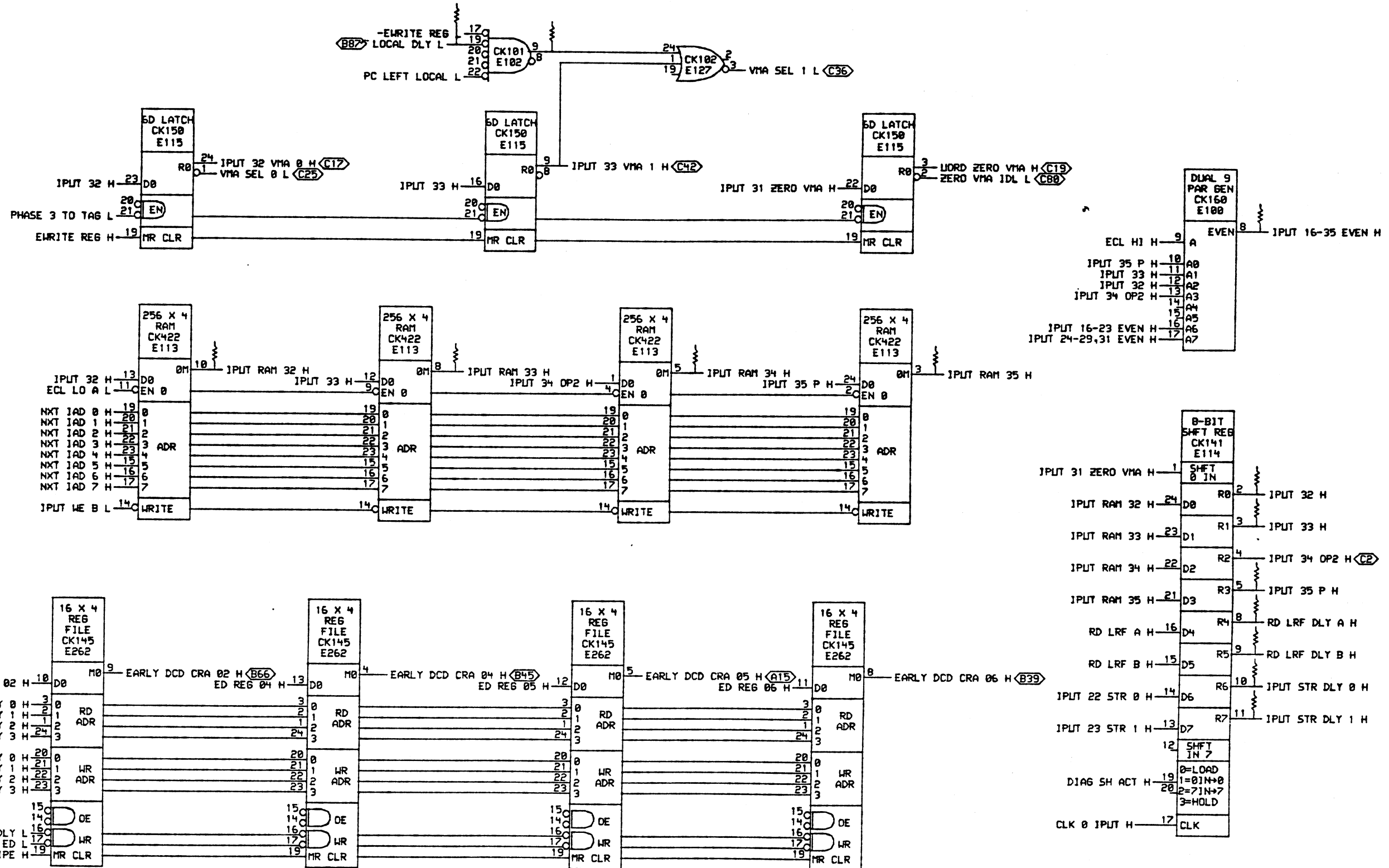


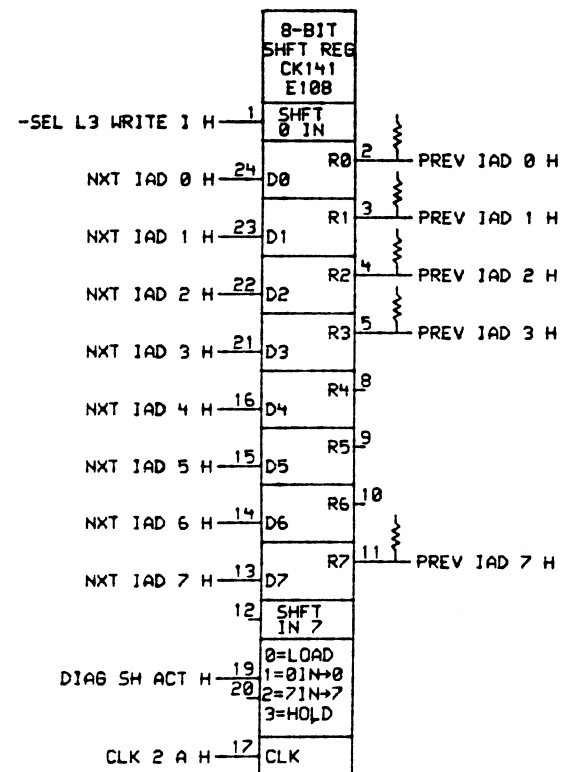
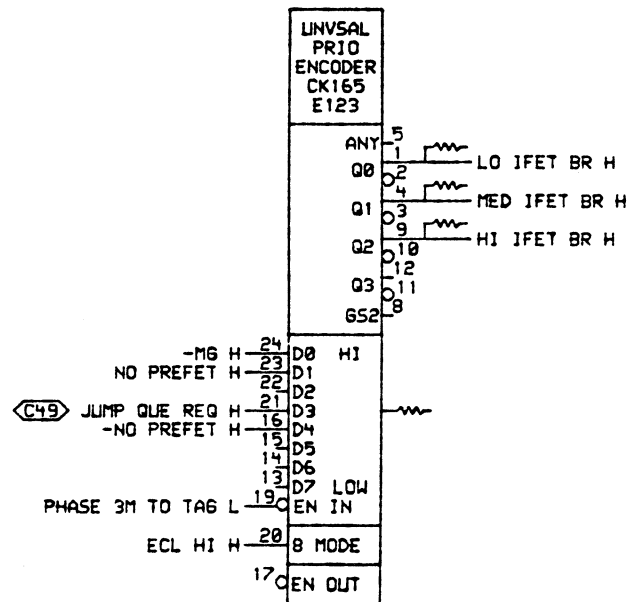
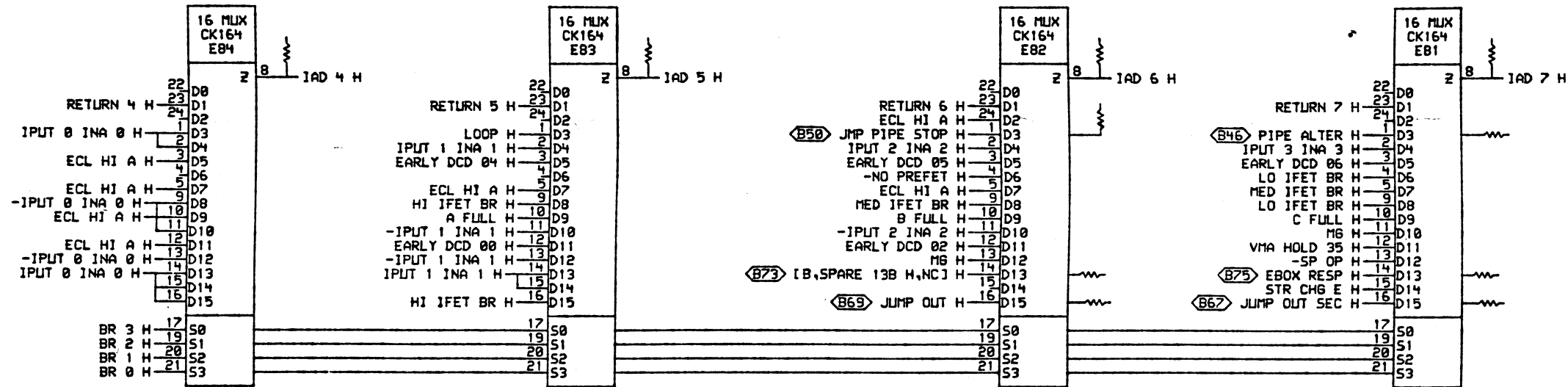
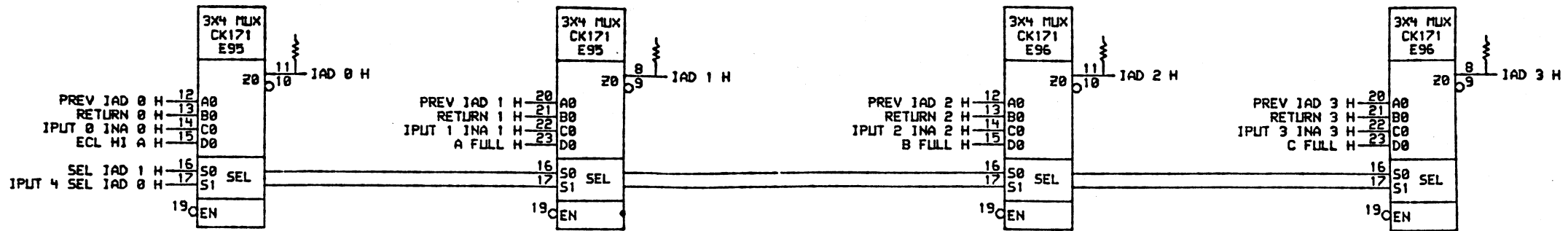
(B, MGRANT L, MEMGRANT L) (C87)

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 © 1980.

REVISIONS		
CHK	CHANGE NO.	REV

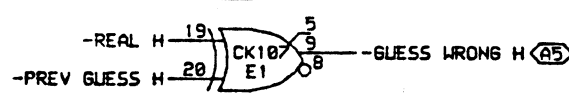
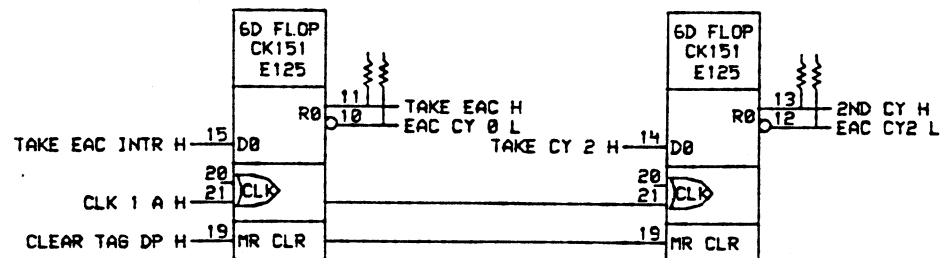
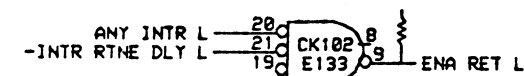
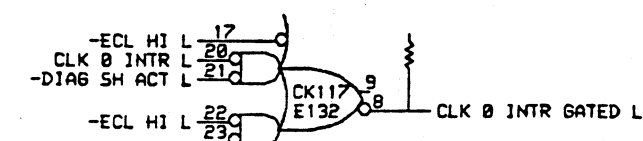
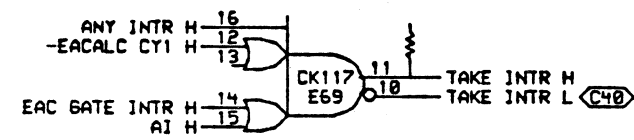
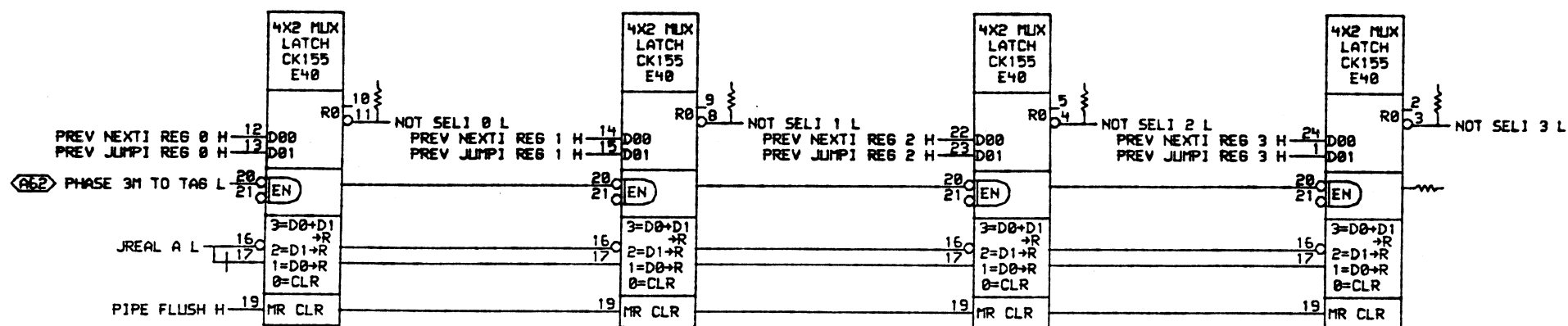
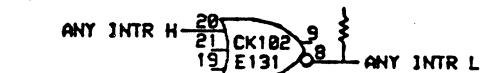
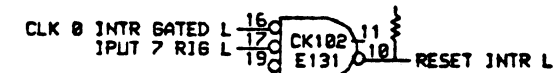
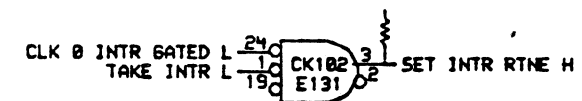
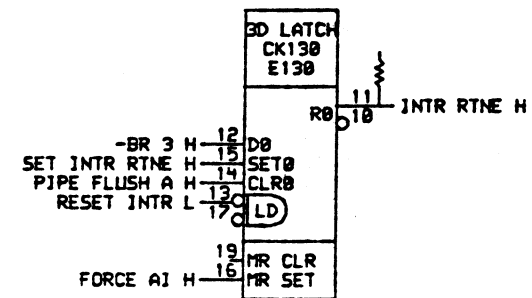
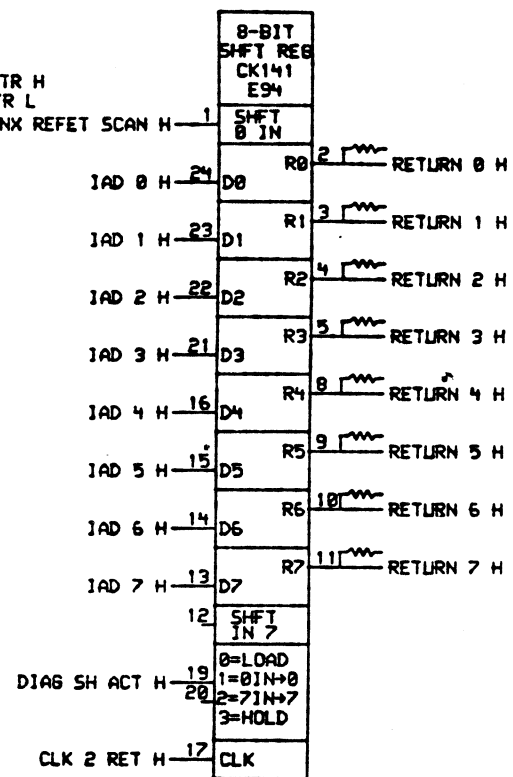
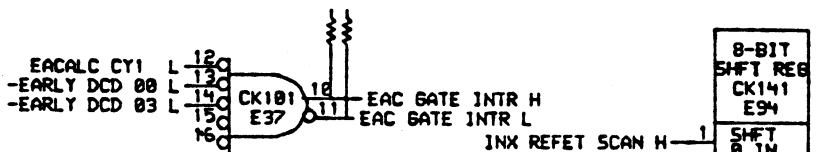
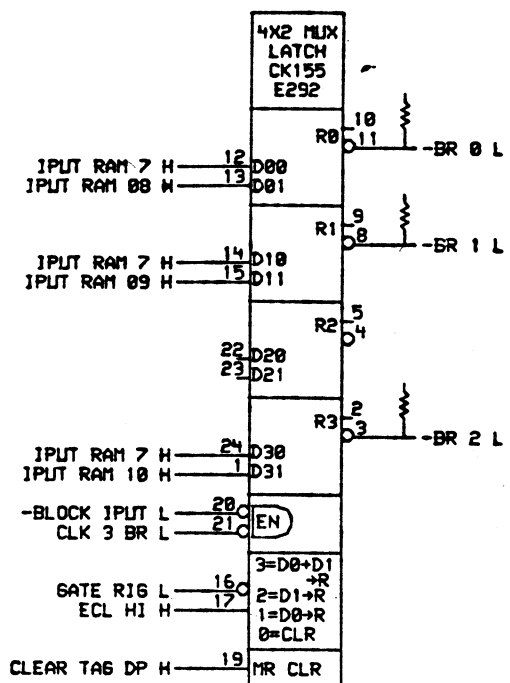
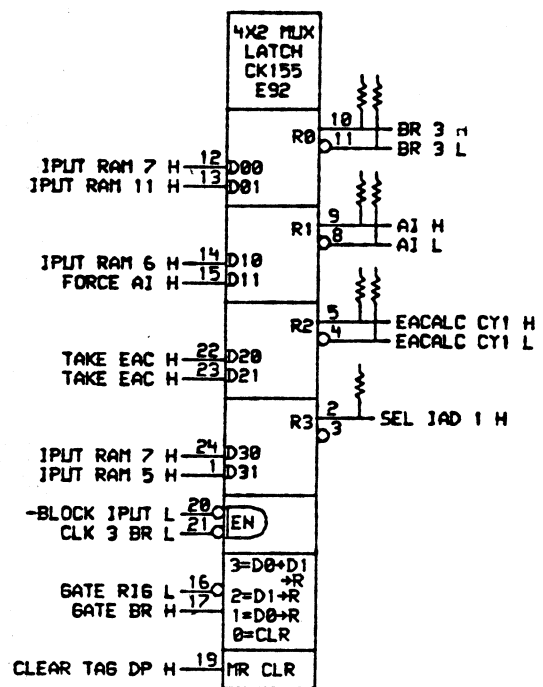
digital	DRY. <i>J. J. J.</i>	DATE: 24-MAR-82	ENG.:	DATE:	TITLE: IPUT INTERMEDIATE
	CHK'D.	DATE:	BOARD LOCATION:	SHEET: OF	24-31
VULCAN: C880.L0054-3TAGD.DRW 23-MAR-82 18:36 NEXT HIGHER ASSEMBLY:					SIZE: D
FIRST USED ON OPTION/MODEL: 2080					CODE: CS
					NUMBER: L0054-0-TAGD
					REV.:





12
1010
0100

0011

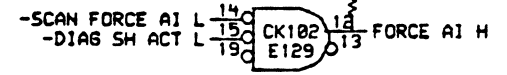
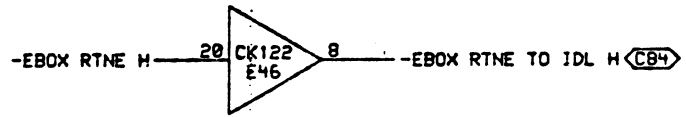
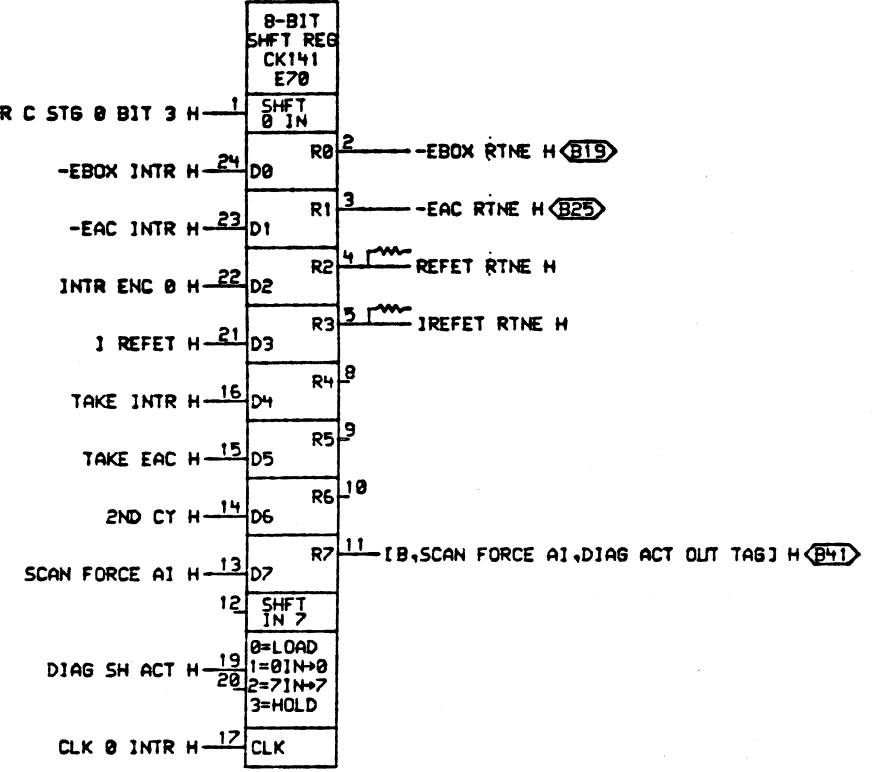
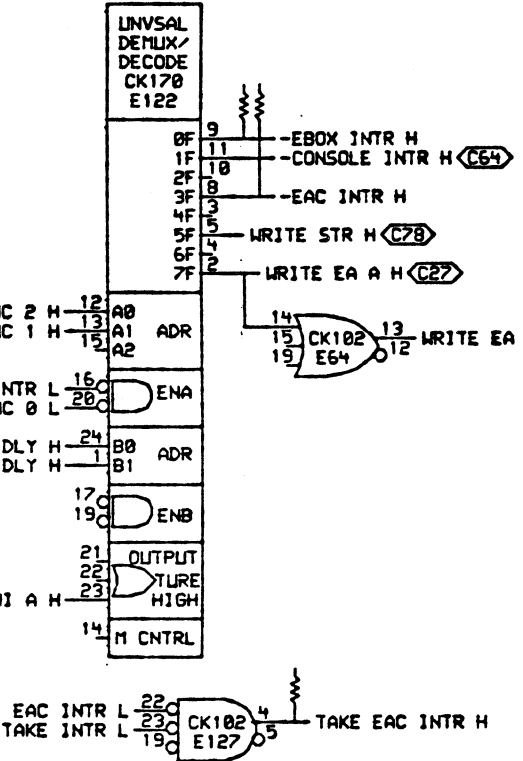
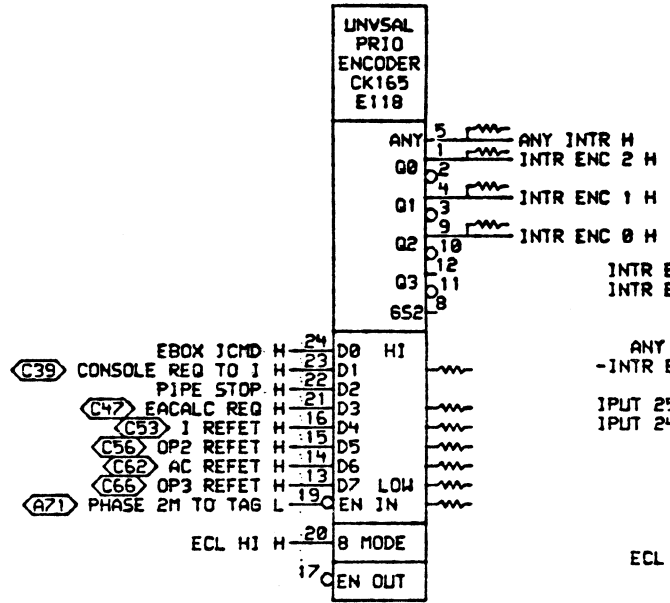
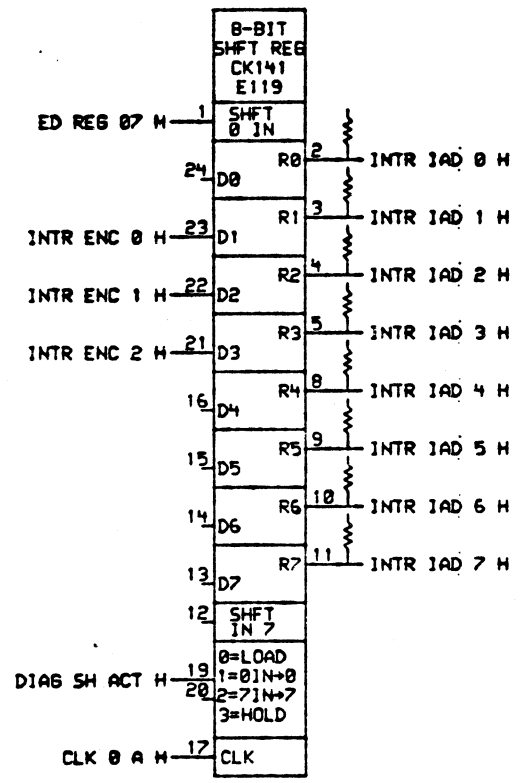
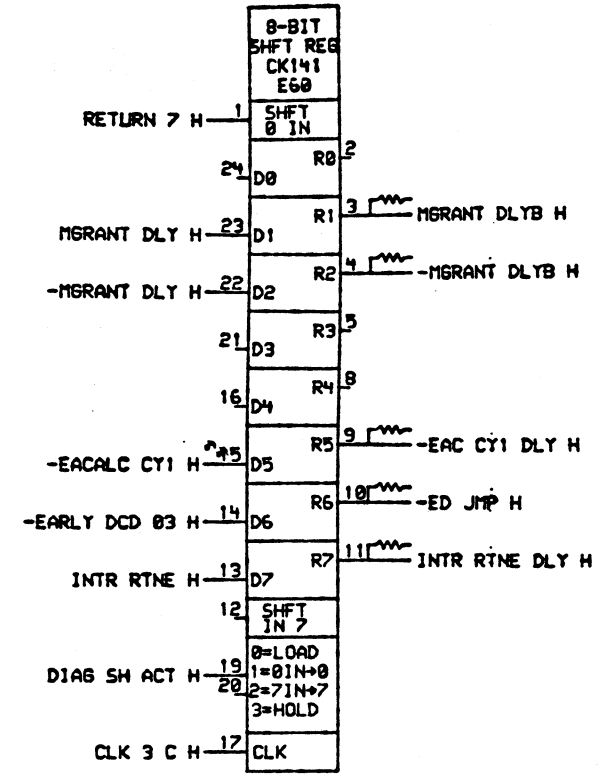
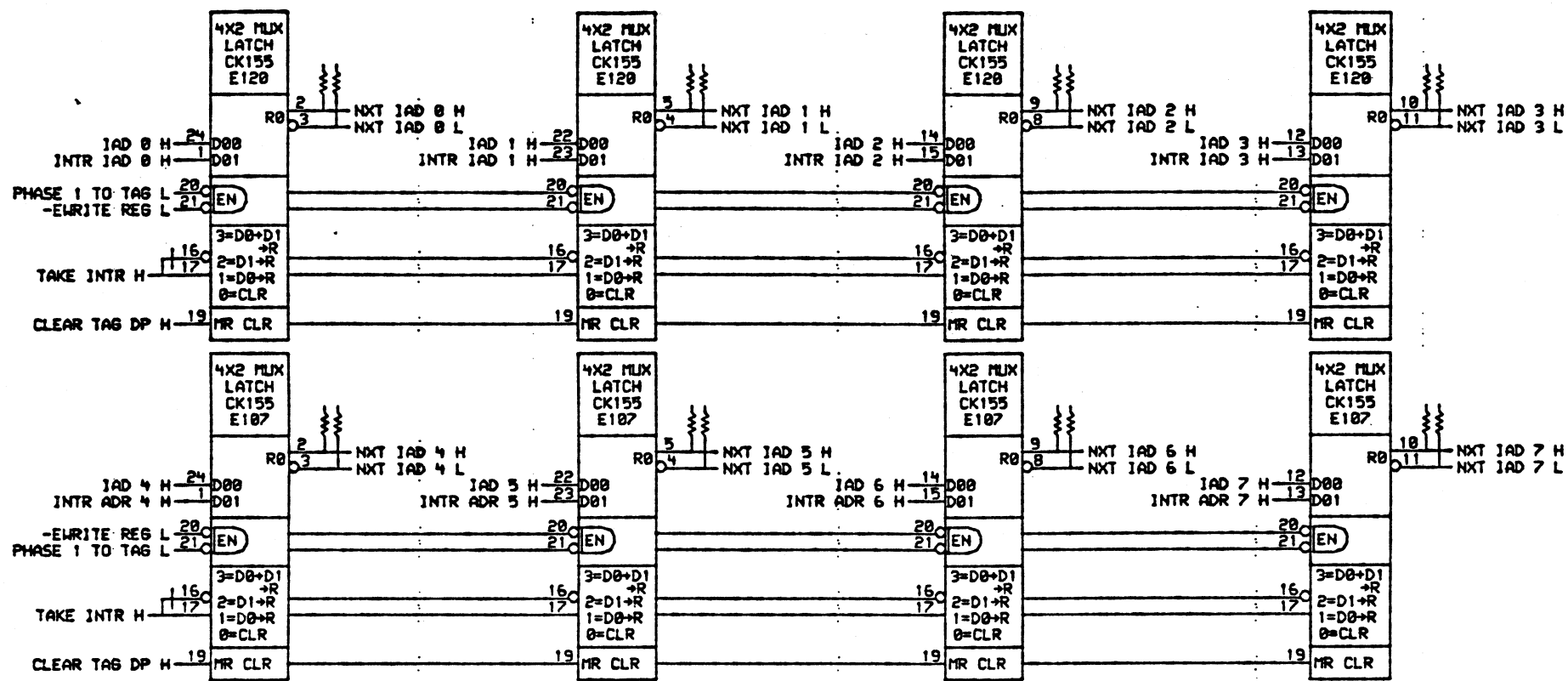


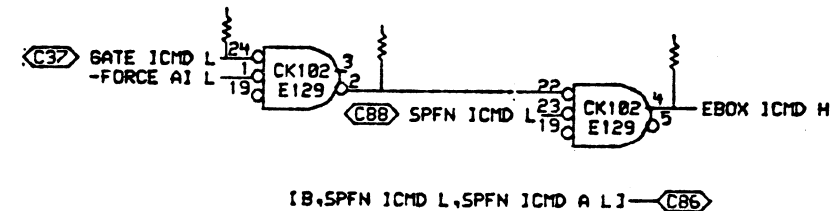
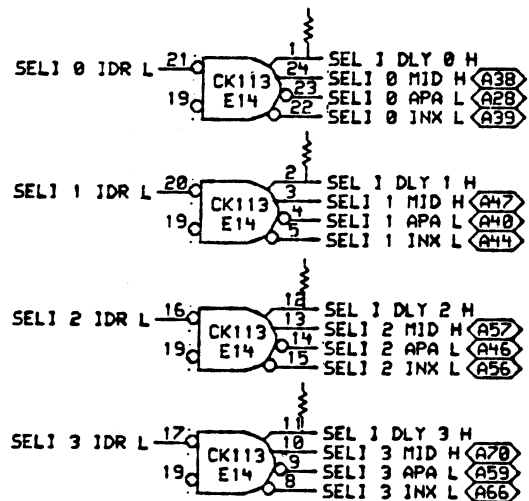
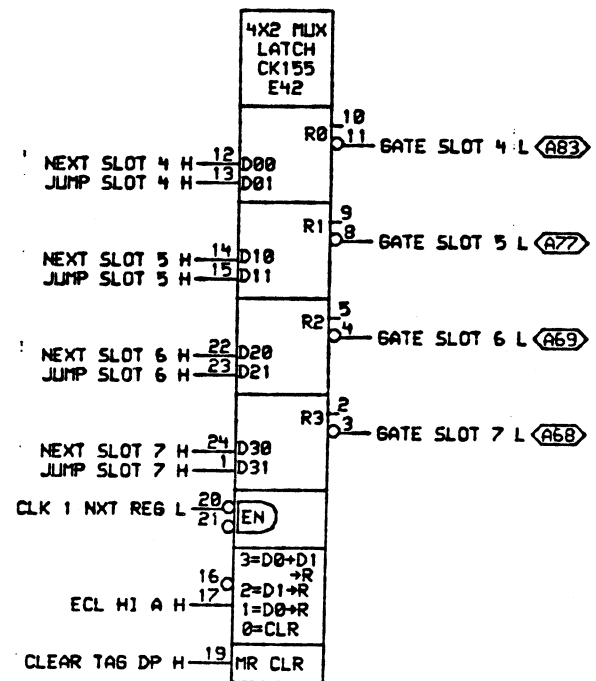
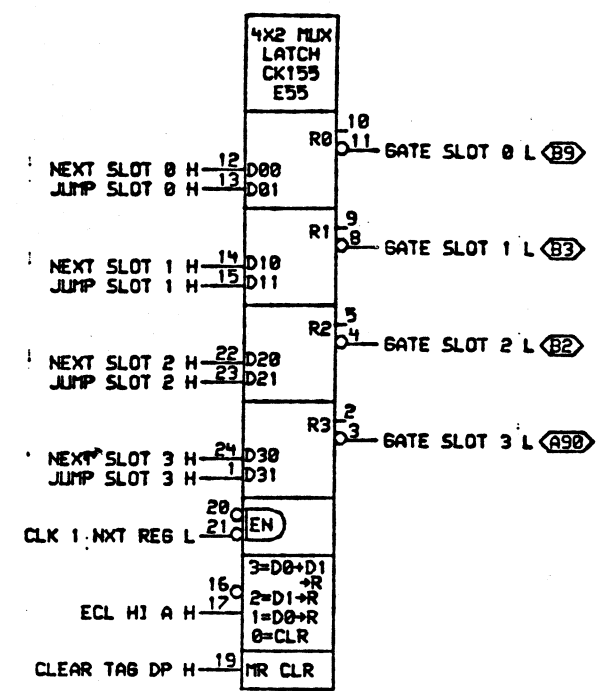
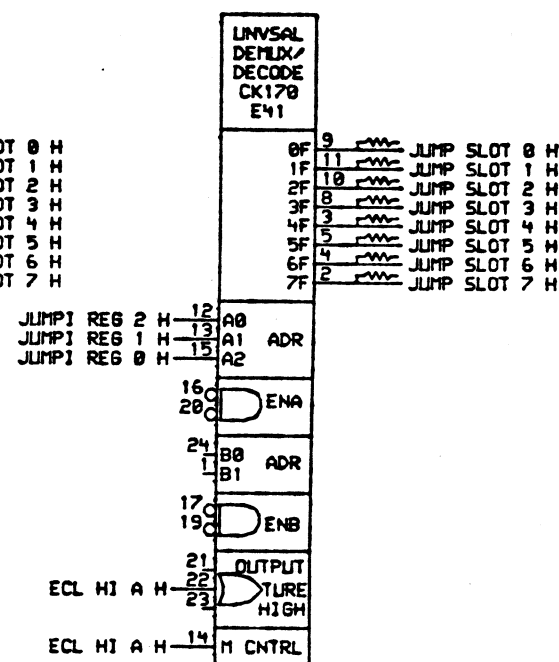
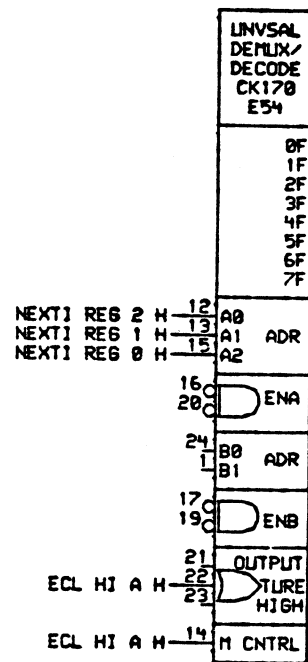
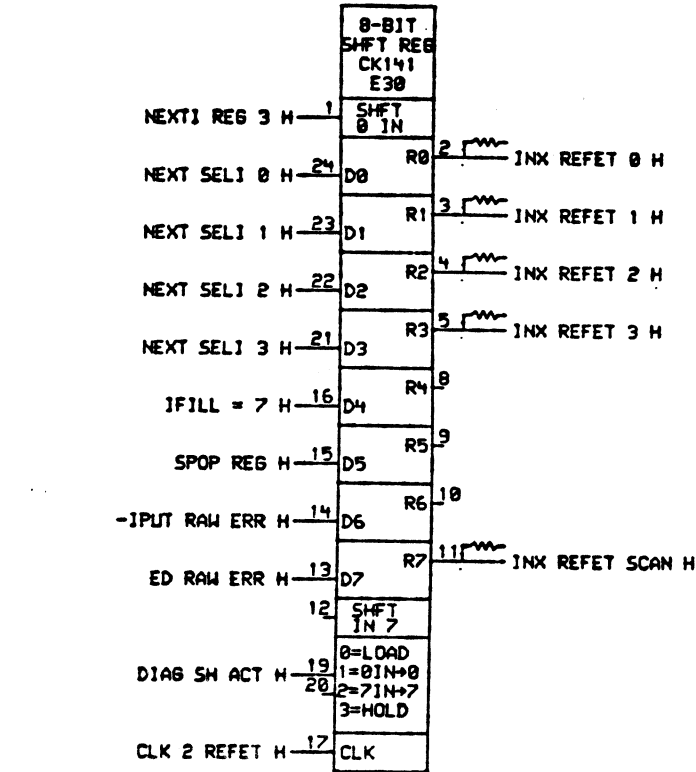
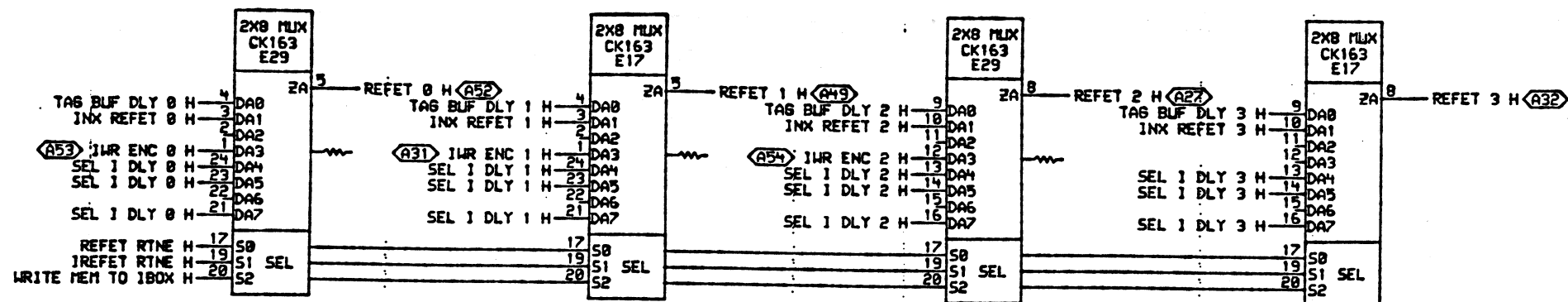
THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR REPAIR OF ANY ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1982, DIGITAL EQUIPMENT CORPORATION.

REVISIONS

CHK CHANGE NO. REV

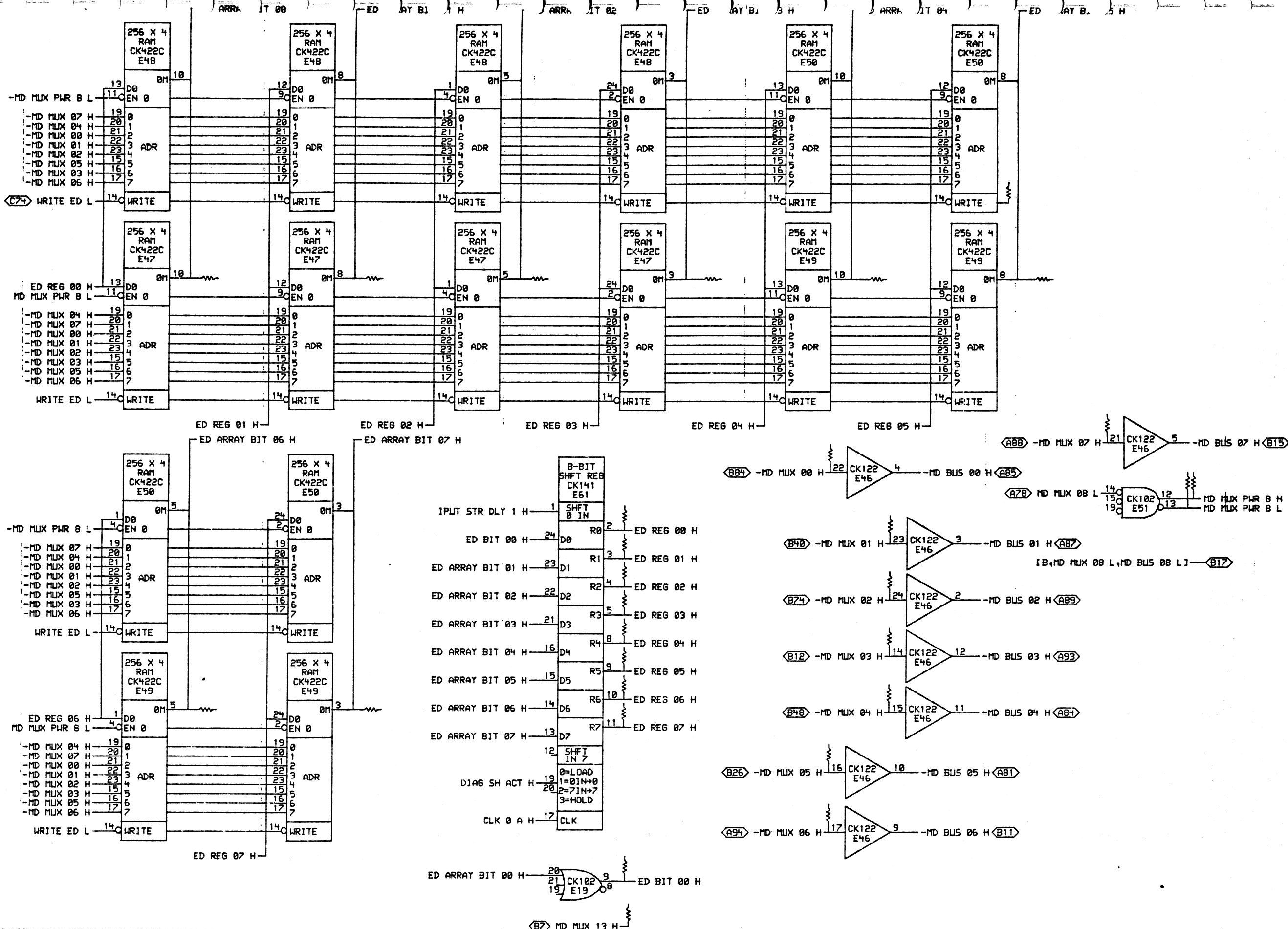
digital
 DATE 13-MAY-82 ENG. DATE
 DATE BOARD LOCATION: SHEET OF
 TITLE: RETURN REG TAG IN DLY
 VLL CAN (2888-10024) STAGB.DRW 12-MAY-82 16:58 NEXT HIGHER ASSEMBLY:
 FIRST USED ON OPTION/MODEL:
 SIZE CODE NUMBER REV.
 D CS L0054-0-TAGG





REVISIONS	
CHK	CHANGE NO. REV

digital	DATE	ENG.	DATE	TITLE:
	22-JUL-82			REFET
	DATE	BOARD LOCATION:		
FIRST USED ON OPTION/MODEL:				SIZE CODE
				D CS
				NUMBER
				L0054-0-TAGI
				REV.



D

C

B

A

REV. NUMBER L0054-0-TAGJ

SIZE D CS

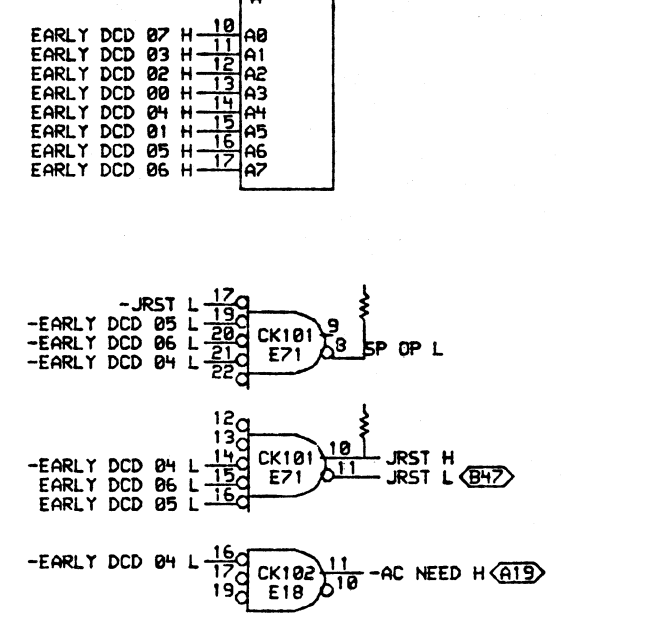
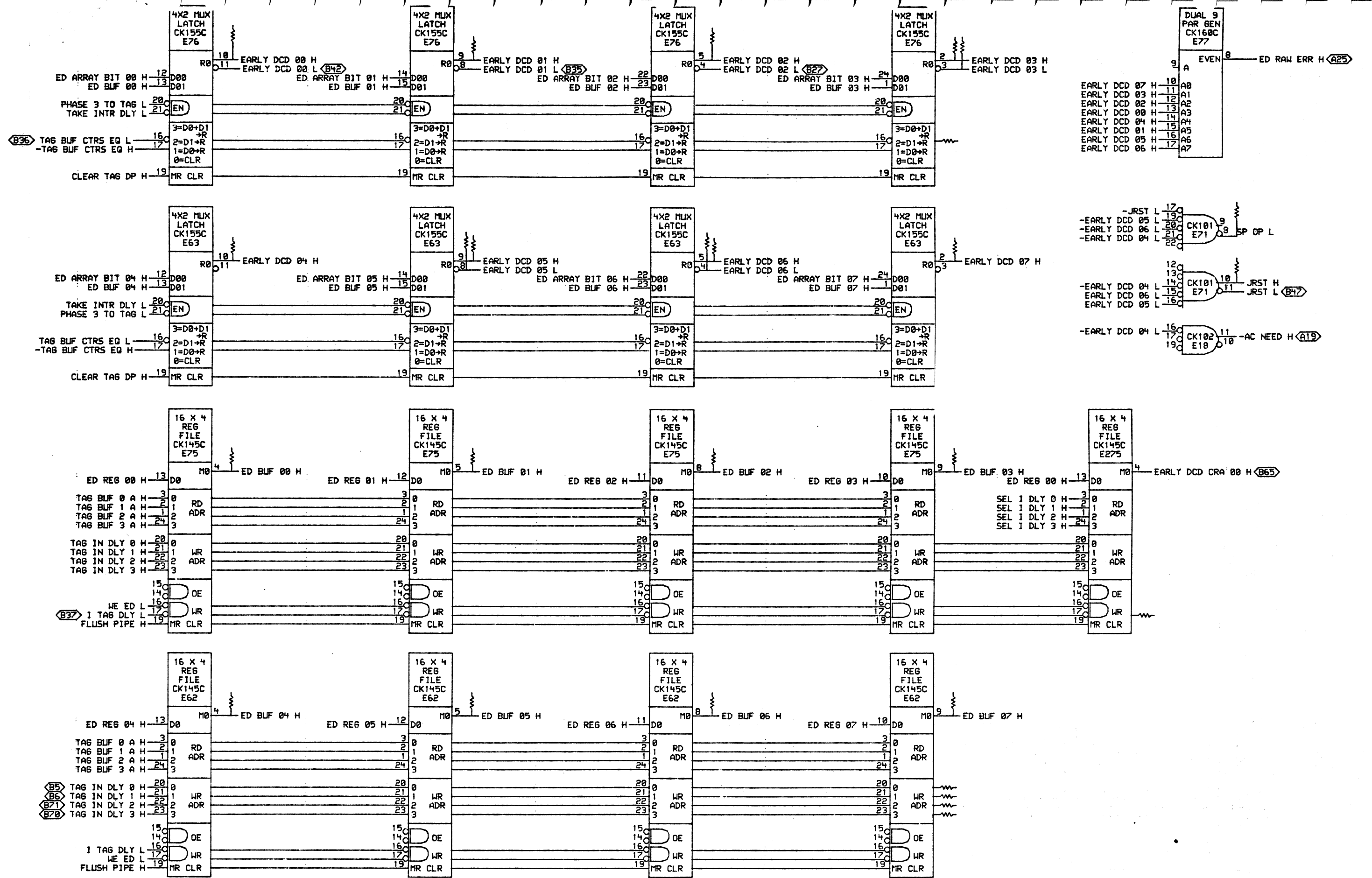
REV. D

REV.

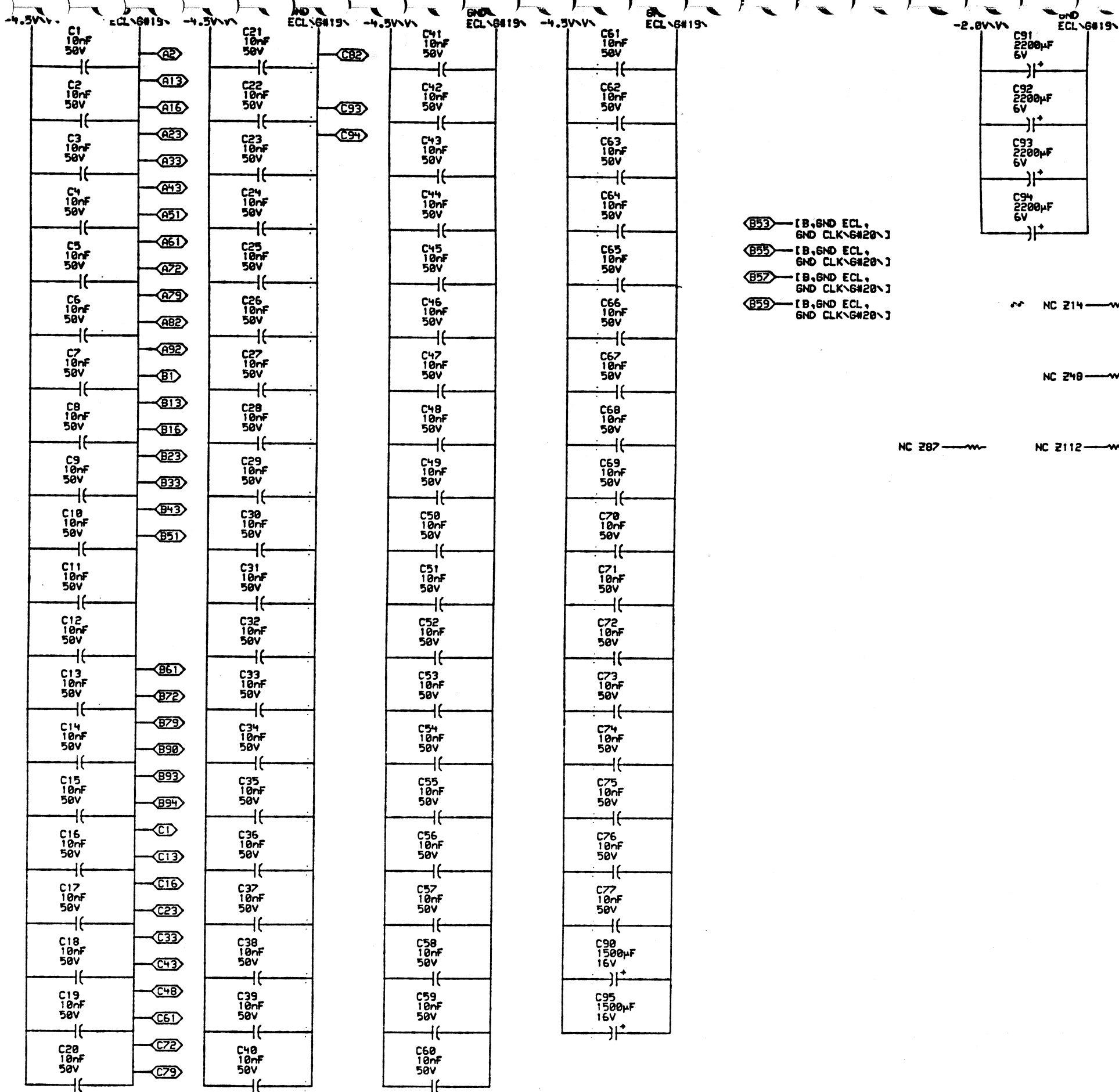
THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1982. DIGITAL EQUIPMENT CORPORATION.

REVISIONS	
CHK	CHANGE NO. REV

	DATE: 27-AUG-82	ENG.:	DATE:	TITLE: EARLY DECODE ARRAY
	CHK'D.:	DATE:	BOARD LOCATION:	SIZE: D CS
FIRST USED ON OPTION/MODEL:		NEXT HIGHER ASSEMBLY:		NUMBER: L0054-0-TAGJ
				REV.:



THIS DRAWING AND SPECIFICATIONS 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 © 1982, DIGITAL EQUIPMENT CORPORATION.		REVISIONS CHK CHANGE NO. REV	digital VLL:CAM: (2888-J.0824) 27:CHK.DRW 26-AUG-82 10:36 FIRST USED ON OPTION/MODEL:	DATE 27-AUG-82 DATE BOARD LOCATION: SHEET OF	ENG. DATE NEXT HIGHER ASSEMBLY:	TITLE: E DECODE BUF TAGM	SIZE D CODE CS NUMBER L0054-0-TAGM REV.
--	--	---------------------------------	---	---	------------------------------------	--------------------------	---



THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART AS A BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1982. DIGITAL EQUIPMENT CORPORATION

REVISIONS	
CHK	CHANGE NO. REV

digital	DATE	ENG.	DATE	TITLE:
	22-JUL-82			TAG
CHK'D.	DATE	BOARD LOCATION:	POWER & GROUND	
		SHEET 1 OF 1		
FIRST USED ON OPTION/MODEL:		NEXT HIGHER ASSEMBLY:	SIZE CODE	NUMBER
B-DD-L0054-0		B-DD-L0054-0	D CS	L0054-0-TAGM
REV.				

8

7

6

5

4

3

2

REV.

NUMBER

SIZE CODE
D 3000 3215

1

VULCAN:<2080.L0055>30IDL1
 VULCAN:<2080.L0055>30IDL2
 VULCAN:<2080.L0055>30IDL3
 VULCAN:<2080.L0055>30IDL4
 VULCAN:<2080.L0055>30IDL5
 VULCAN:<2080.L0055>4IDL6
 VULCAN:<2080.L0055>13IDL7
 VULCAN:<2080.L0055>13IDL8
 VULCAN:<2080.L0055>30IDL9
 VULCAN:<2080.L0055>15IDLA
 VULCAN:<2080.L0055>13IDLB
 VULCAN:<2080.L0055>13IDLC
 VULCAN:<2080.L0055>30IDLD
 VULCAN:<2080.L0055>29IDLE
 VULCAN:<2080.L0055>13IDLF
 VULCAN:<2080.L0055>13IDLG
 VULCAN:<2080.L0055>29IDLH
 VULCAN:<2080.L0055>20IDL I
 VULCAN:<2080.L0055>29IDLJ
 VULCAN:<2080.L0055>29IDLK
 VULCAN:<2080.L0055>30IDLL
 VULCAN:<2080.L0055>IDLM

D

C

B

A

D

C

REV.

NUMBER

SIZE CODE
D SP

D

D

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 © 1983.
 DIGITAL EQUIPMENT CORPORATION

REVISIONS		
CHK	CHANGE NO.	REV

digital

DRN. J. J. J. J. J.
 CHK'D.

DATE 22-JAN-83
 DATE

BOARD LOCATION:
 SHEET OF

TITLE:

ARCH: C:\HLER\PLOTS\IDL.DP.1 | 22-JAN-83 03:14
 FIRST USED ON OPTION/MODEL:

NEXT HIGHER ASSEMBLY:

SIZE CODE
D SP

NUMBER

REV.

8

7

6

5

4

3

2

1

E141	E128	E115	E102	E090	E077	E064	E051	E039	E026	E013
E140	E127	E114	E101	E089	E076	E063	E050	E038	E025	E012

E139	E126	E113	E100	E088	E075	E062	E049	E037	E024	E011
E138	E125	E112	E099	E087	E074	E061	E048	E036	E023	E010

E137	E124	E111	E098	E086	E073	E060	E047	E035	E022	E009
E136	E123	E110	E097	E085	E072	E059	E046	E034	E021	E008

E135	E122	E109	E096	E084	E071	E058	E045	E033	E020	E007
E134	E121	E108	E095	E083	E070	E057	E044	E032	E019	E006

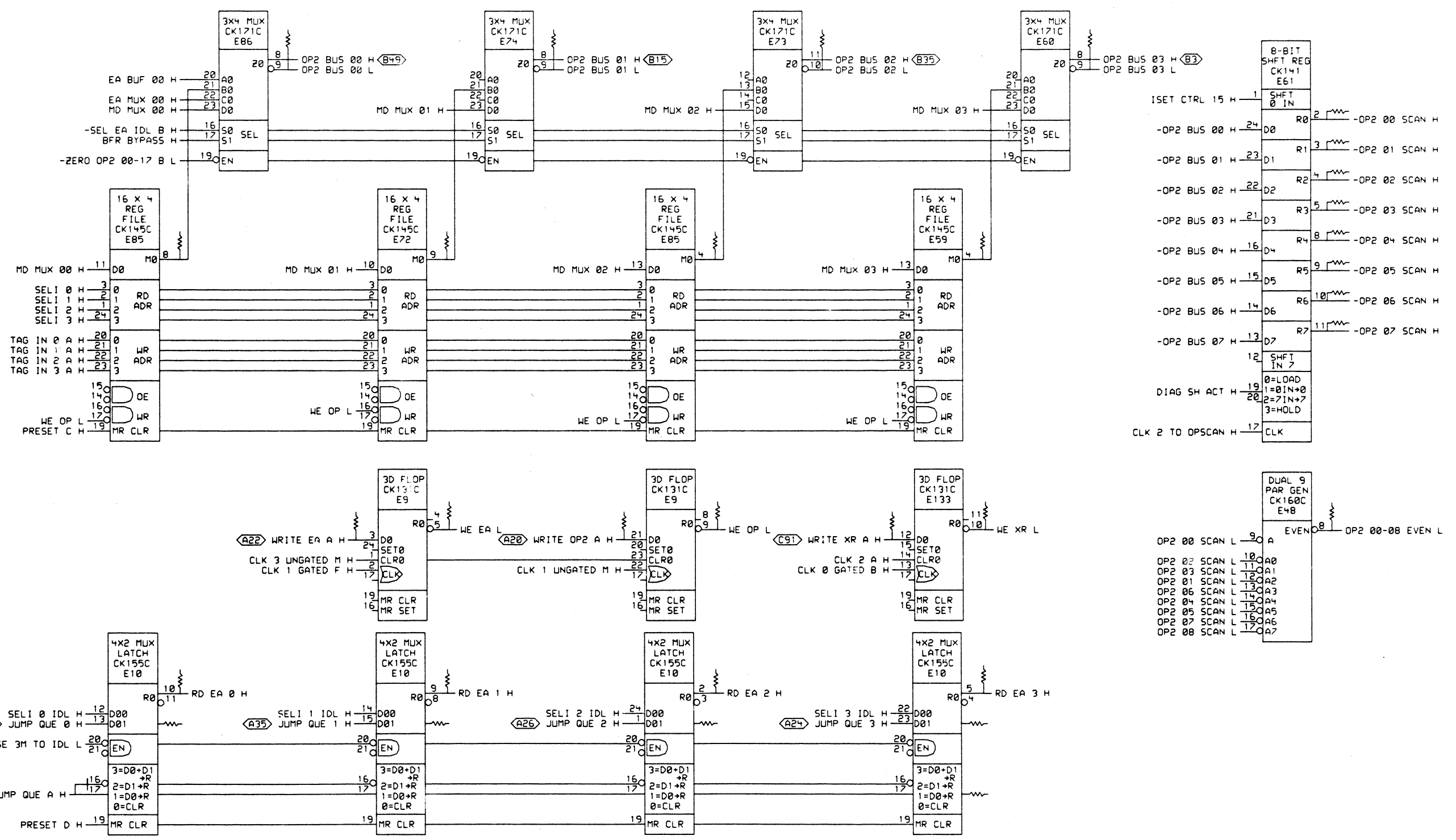
E133	E120	E107	E094	E082	E069	E056	E043	E031	E018	E005
E132	E119	E106	E093	E081	E068	E055	E042	E030	E017	E004

E131	E118	E105	E092	E080	E067	E054	E041	E029	E016	E003
+ C095 + +		C094		+ + C093		+ + C092		+ + C091		+ C090 +

E130	E117	E104	E091	E079	E066	E053	E040	E028	E015	E002
------	------	------	------	------	------	------	------	------	------	------

E129	E116	E103	E078	E065	E052	"141"	E027	E014	E001
------	------	------	------	------	------	-------	------	------	------

IDL



8-BIT SHFT REG CK141 E61
SHFT 0 IN
R0
R1
R2
R3
R4
R5
R6
R7
SHFT IN 7
0=LOAD
1=0IN+0
2=7IN+7
3=HOLD
CLK
OP2 00 SCAN H 24
OP2 01 SCAN H 23
OP2 02 SCAN H 22
OP2 03 SCAN H 21
OP2 04 SCAN H 16
OP2 05 SCAN H 15
OP2 06 SCAN H 14
OP2 07 SCAN H 13
OP2 00 SCAN L 9
OP2 03 SCAN L 10
OP2 03 SCAN L 11
OP2 01 SCAN L 12
OP2 06 SCAN L 13
OP2 04 SCAN L 14
OP2 05 SCAN L 15
OP2 07 SCAN L 16
OP2 08 SCAN L 17
EVENT 8 OP2 00-08 EVEN L

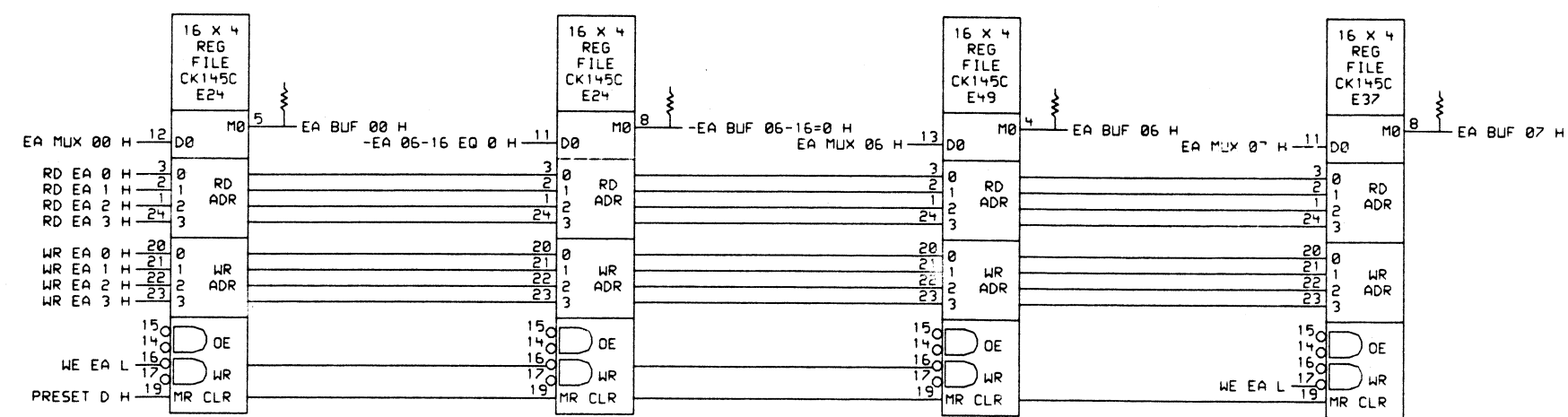
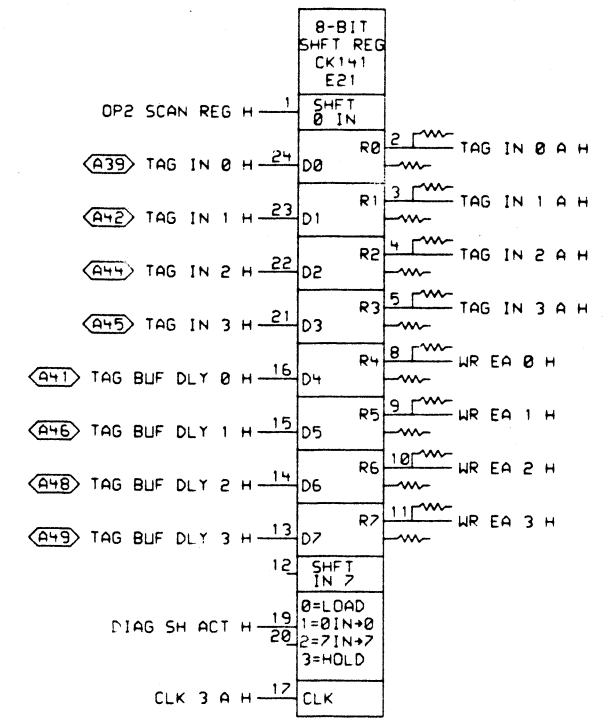
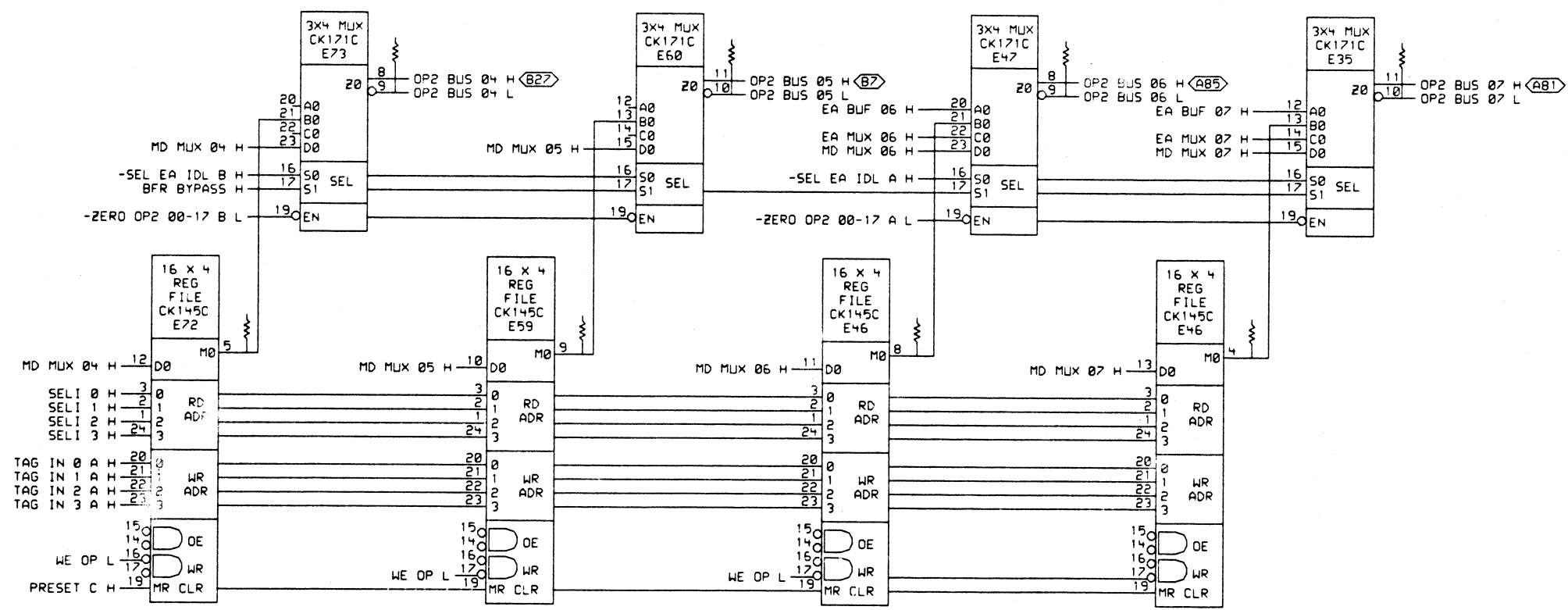
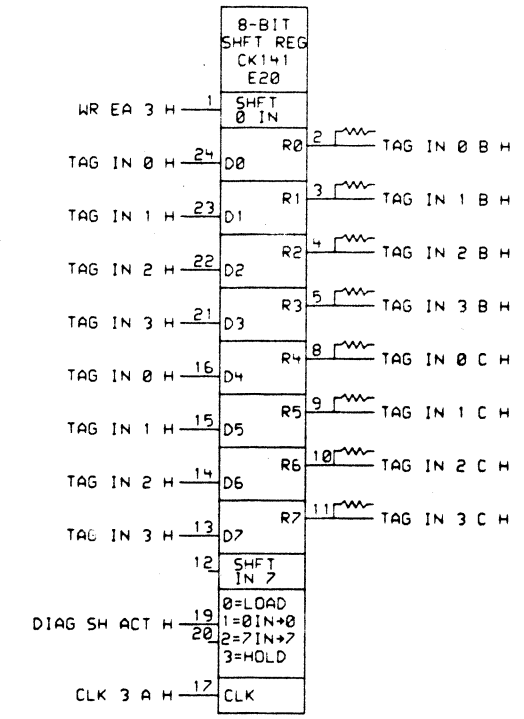
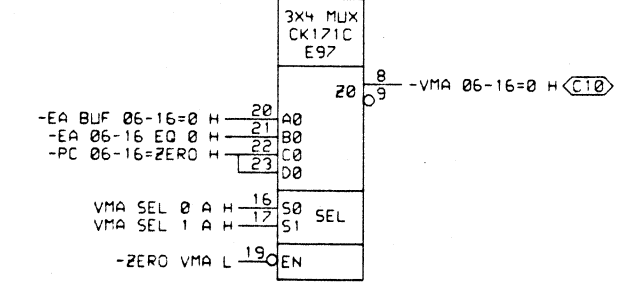
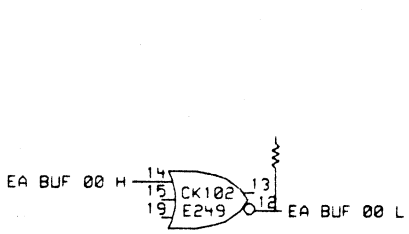
THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1983, DIGITAL EQUIPMENT CORPORATION.

REVISIONS	
CHK	CHANGE NO. REV.

REV.	NUMBER	DATE	ENG.	DATE	TITLE:

digital	DN: J. J. J.	DATE: 22-JAN-83	ENG.:	DATE:	TITLE: OP2 BUS 00-03
VULCAN: 2000.L0055.0.IDL.DRW	CHK'D.	DATE: 21-JAN-83 09:09	BOARD LOCATION:	SHEET:	
FIRST USED ON OPTION/MODEL:			NEXT HIGHER ASSEMBLY:		

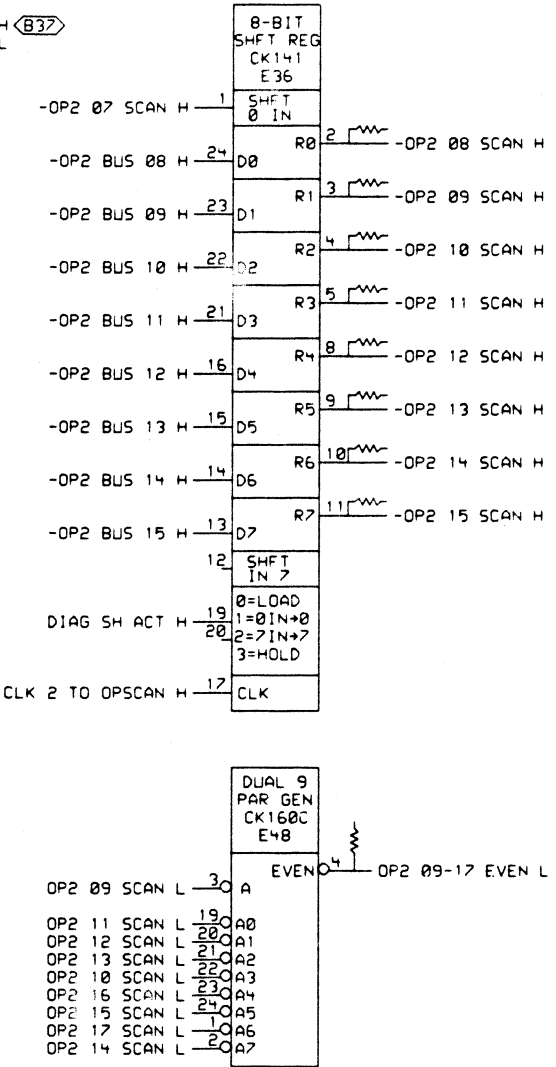
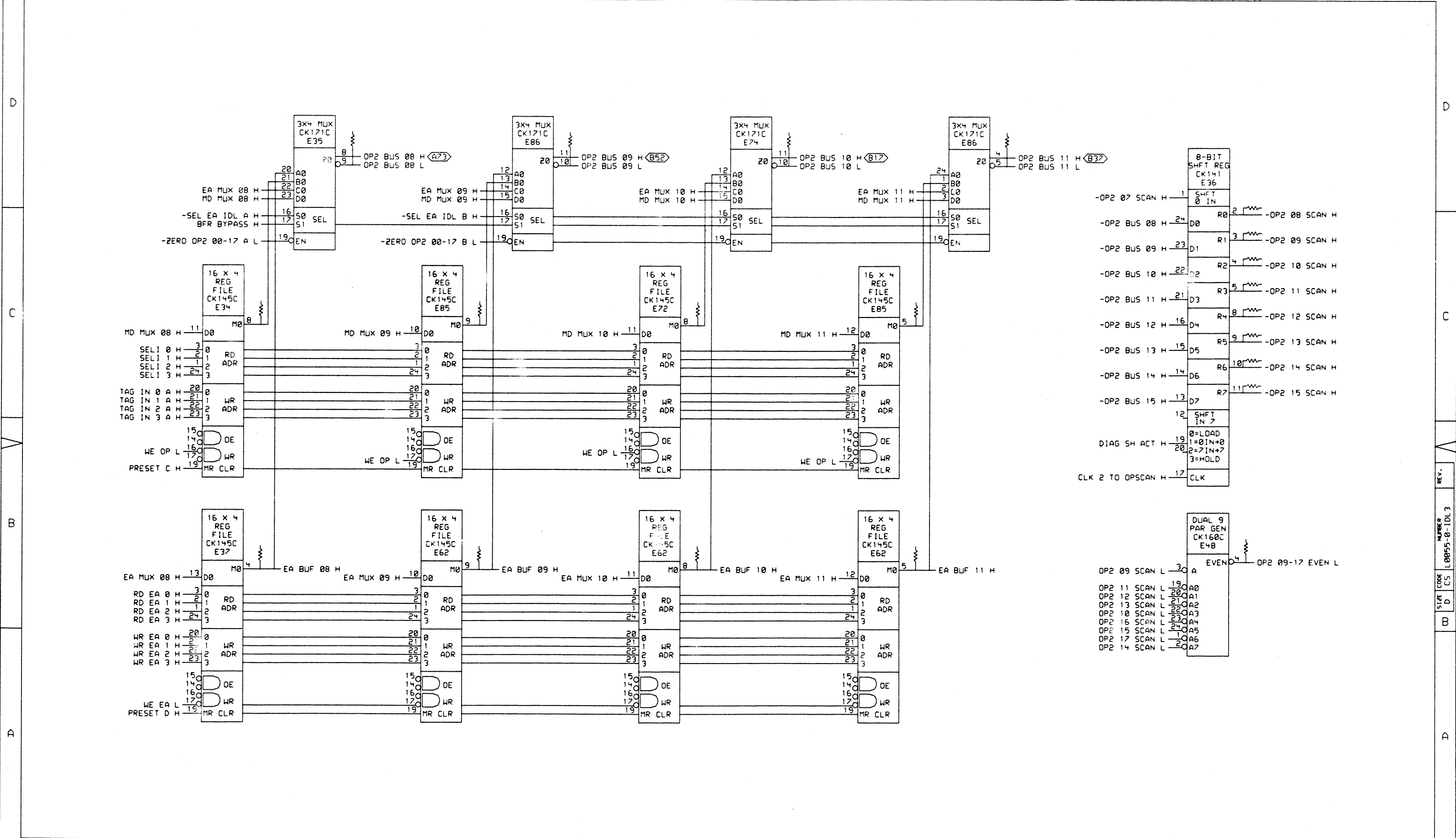
SIZE	CODE	NUMBER	REV.
D	CS	L0055-0-IDL1	



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 © 1983, DIGITAL EQUIPMENT CORPORATION.

REVISIONS		
CHK	CHANGE NO.	REV

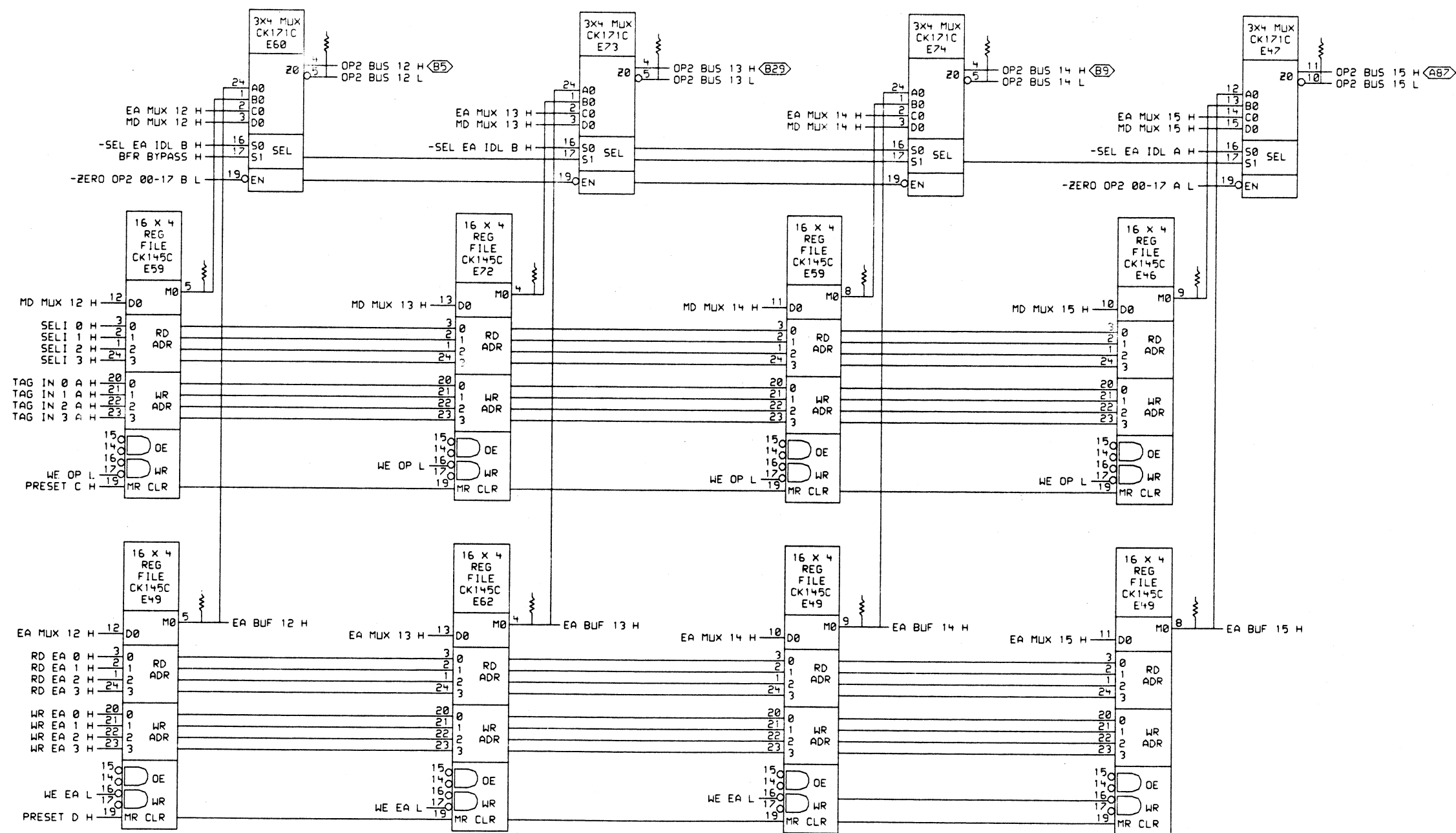
digital
 DATE 22-JAN-83
 TITLE: OP2 BUS 04-07
 BOARD LOCATION:
 SHEET OF
 SIZE CODE NUMBER REV.
 D CS L0055-0-IDL2



THIS DRAWING AND SPECIFICATIONS 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 © 1983, DIGITAL EQUIPMENT CORPORATION.

REVISIONS	
CHK	CHANGE NO. REV

digital	DATE	ENG.	DATE	TITLE: OP2 BUS 08-11
	22-JAN-83			
	DATE	BOARD LOCATION:		
		SHEET		
FIRST USED ON OPTION/MODEL:		NEXT HIGHER ASSEMBLY:	SIZE CODE	NUMBER
			D CS	L0055-0-IDL3
			REV.	



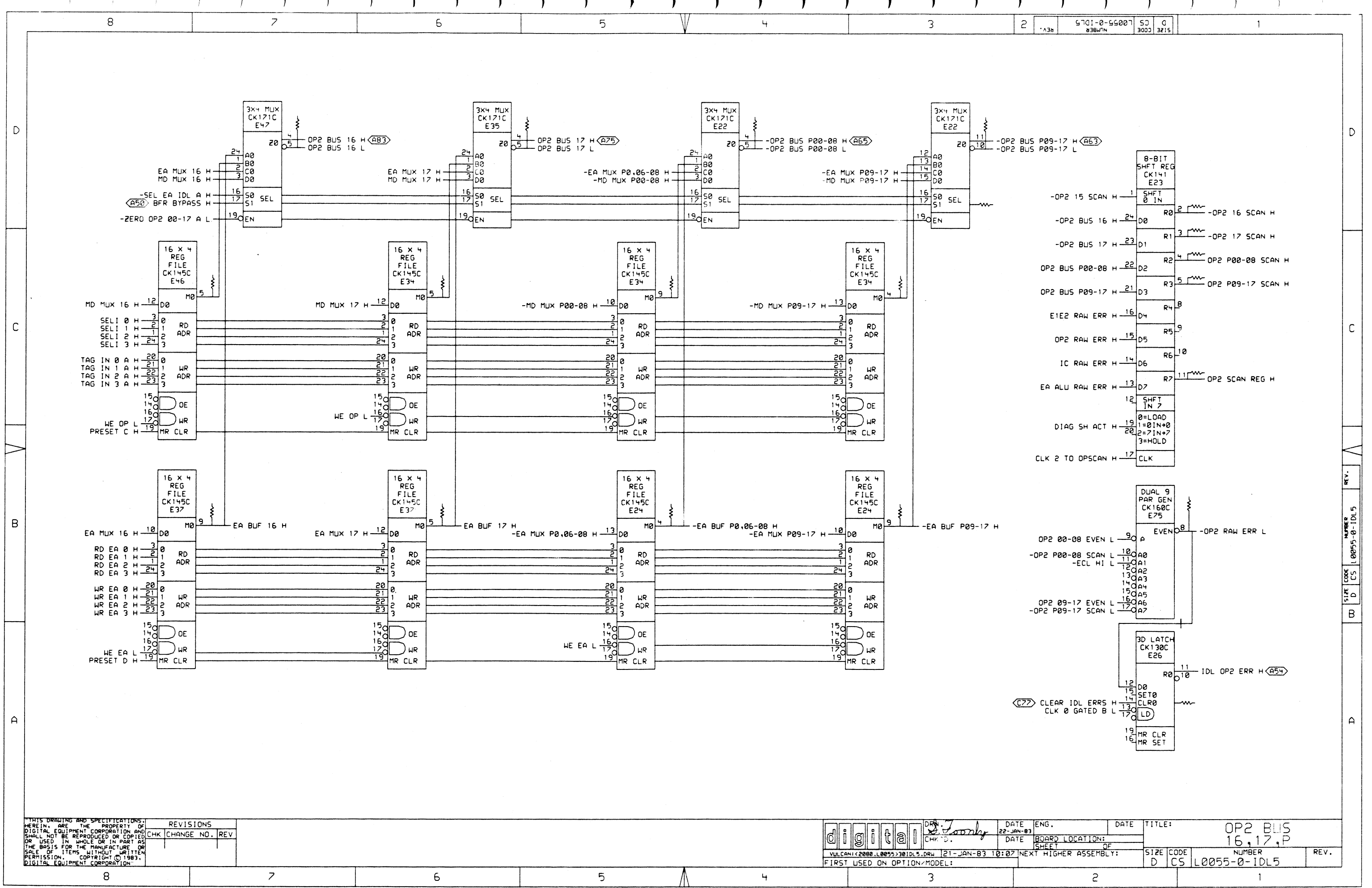
THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1983, DIGITAL EQUIPMENT CORPORATION.

REVISIONS	
CHK	CHANGE NO. REV

digital
VULCAN: (2000.L0055)30IDL4.DRW [21-JAN-83 09:25] NEXT HIGHER ASSEMBLY: FIRST USED ON OPTION/MODEL:

DATE ENG. 22-JAN-83
DATE BOARD LOCATION: SHEET OF

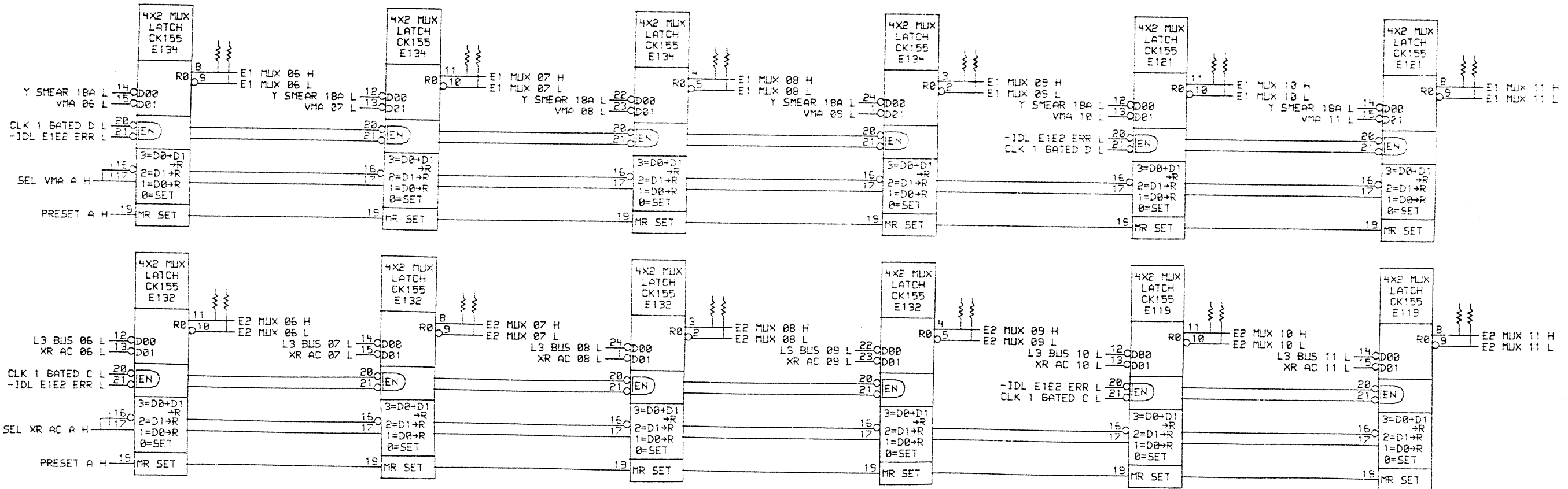
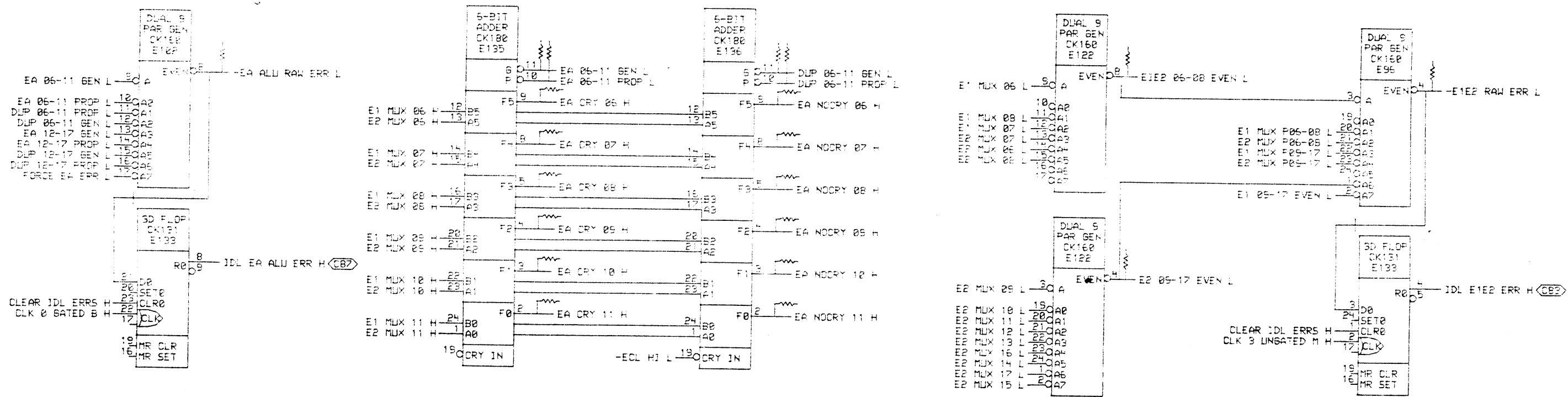
TITLE: OP2 BUS 12-15
SIZE CODE D CS L0055-0-IDL4
NUMBER REV.



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 © 1983, DIGITAL EQUIPMENT CORPORATION.

REVISIONS		
CHK	CHANGE NO.	REV

	DATE	ENG.	DATE	TITLE:
	22-JAN-83			OP2 BUS 16, 17, P
VULCAN: <2000.L0055>30IDL5.DRW		DATE		BOARD LOCATION:
21-JAN-83 10:07		NEXT HIGHER ASSEMBLY:		SHEET
FIRST USED ON OPTION/MODEL:		SIZE		CODE
		D		CS
		L0055-0-IDL5		REV.



THIS DRAWING AND SPECIFICATIONS 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 © 1982. DIGITAL EQUIPMENT CORPORATION.

REVISIONS	CHK	CHANGE NO.	REV

digital

DATE: 04 JAN 82

ENG.:

DATE:

BOARD LOCATION:

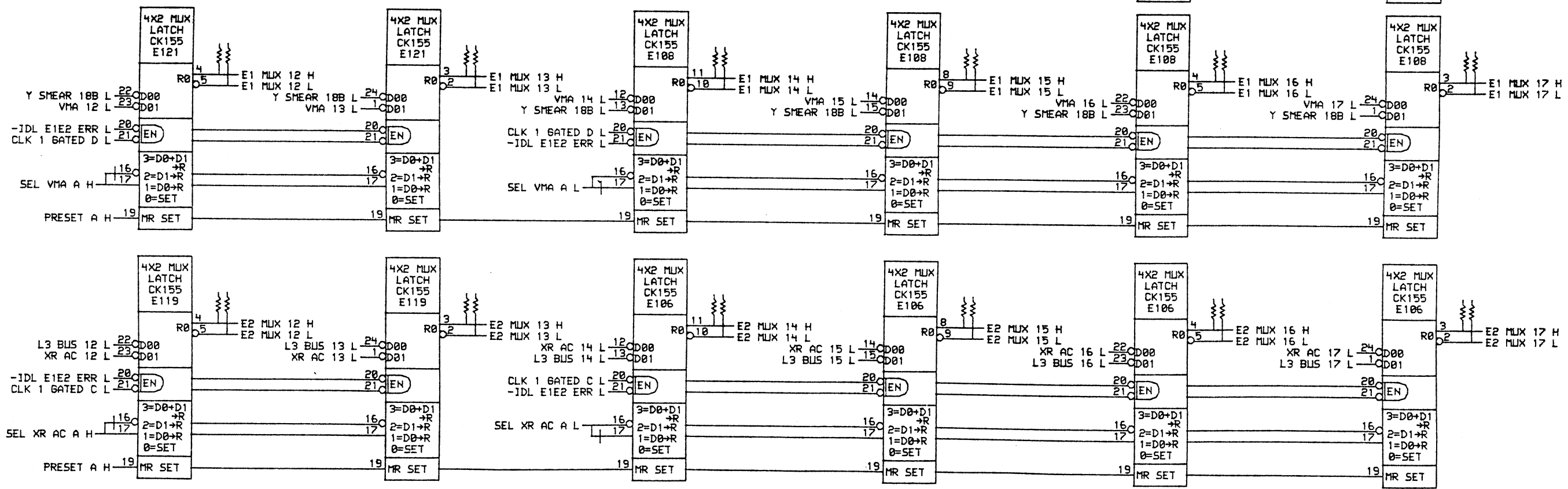
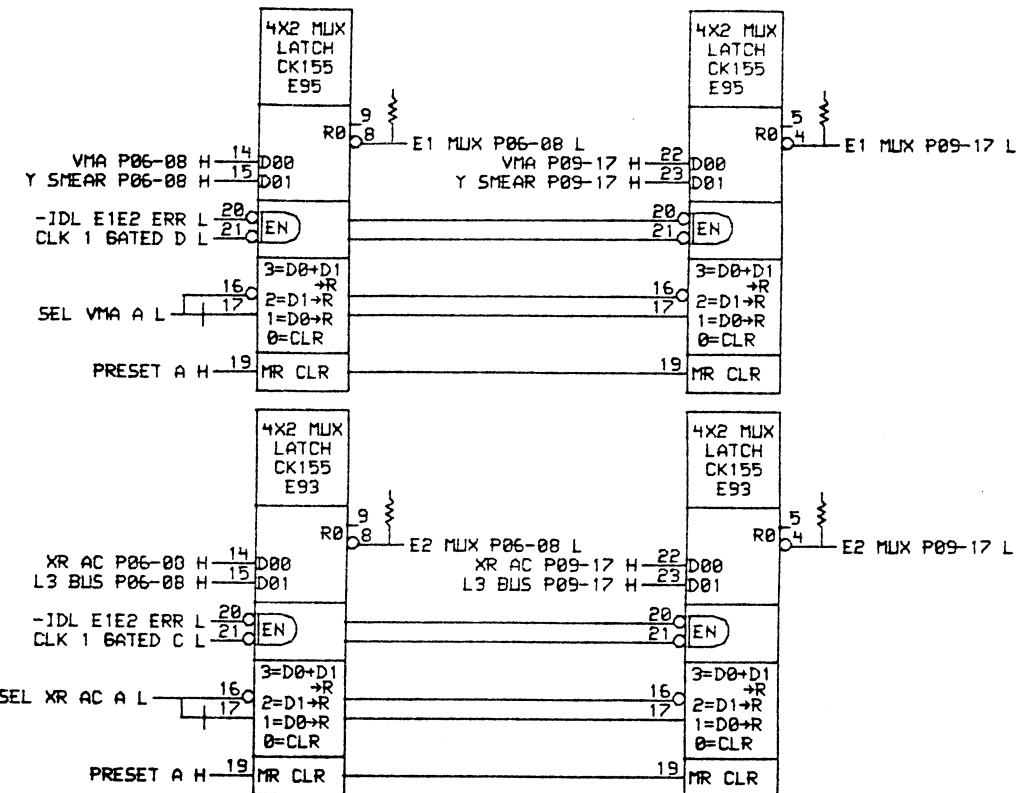
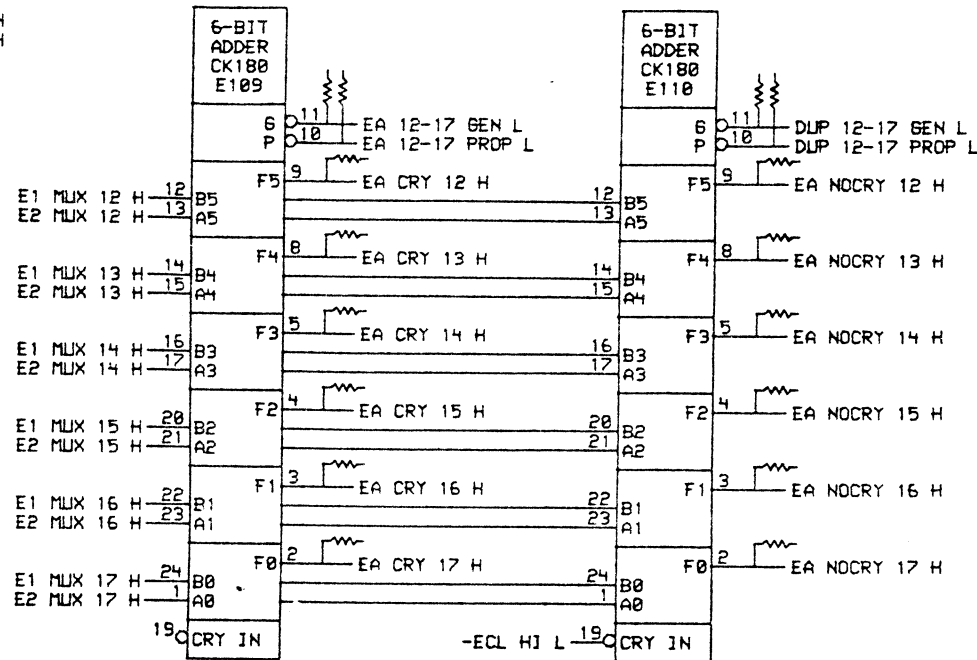
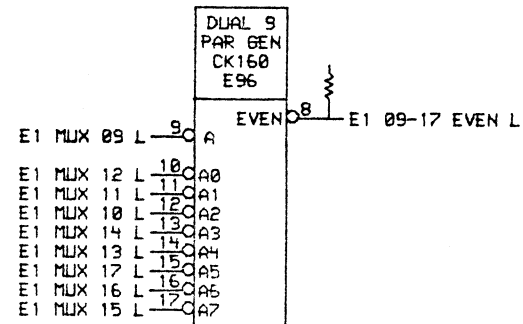
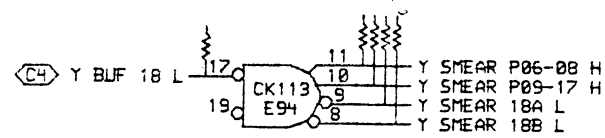
SHEET 1 OF 1

TITLE: EA ALU 06-11

SIZE: CODE

NUMBER: 13-AUG-81 09:42 NEXT HIGHER ASSEMBLY:

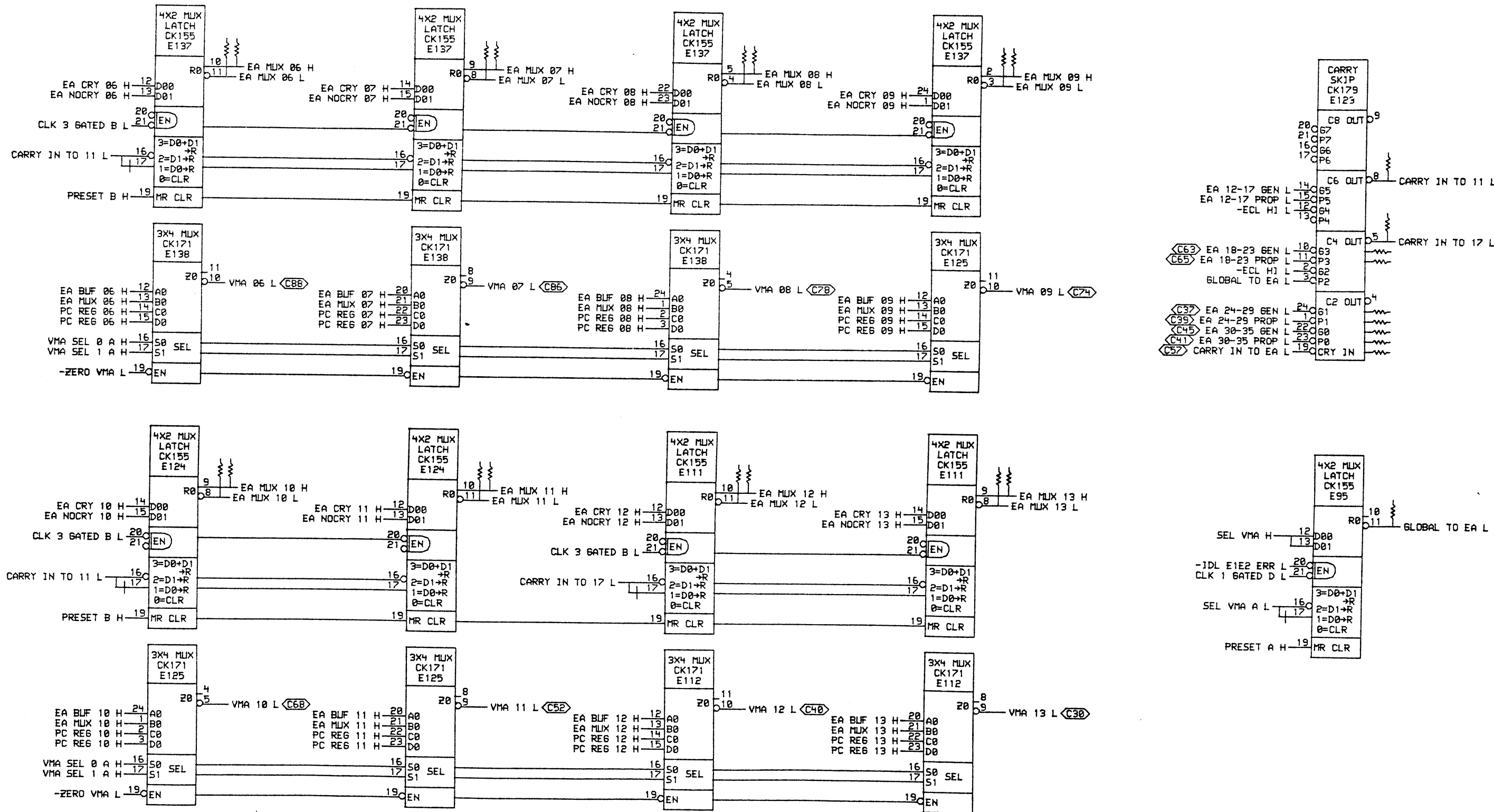
REV.:



THIS DRAWING AND SPECIFICATIONS 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 © 1982, DIGITAL EQUIPMENT CORPORATION.

REVISIONS		
CHK	CHANGE NO.	REV

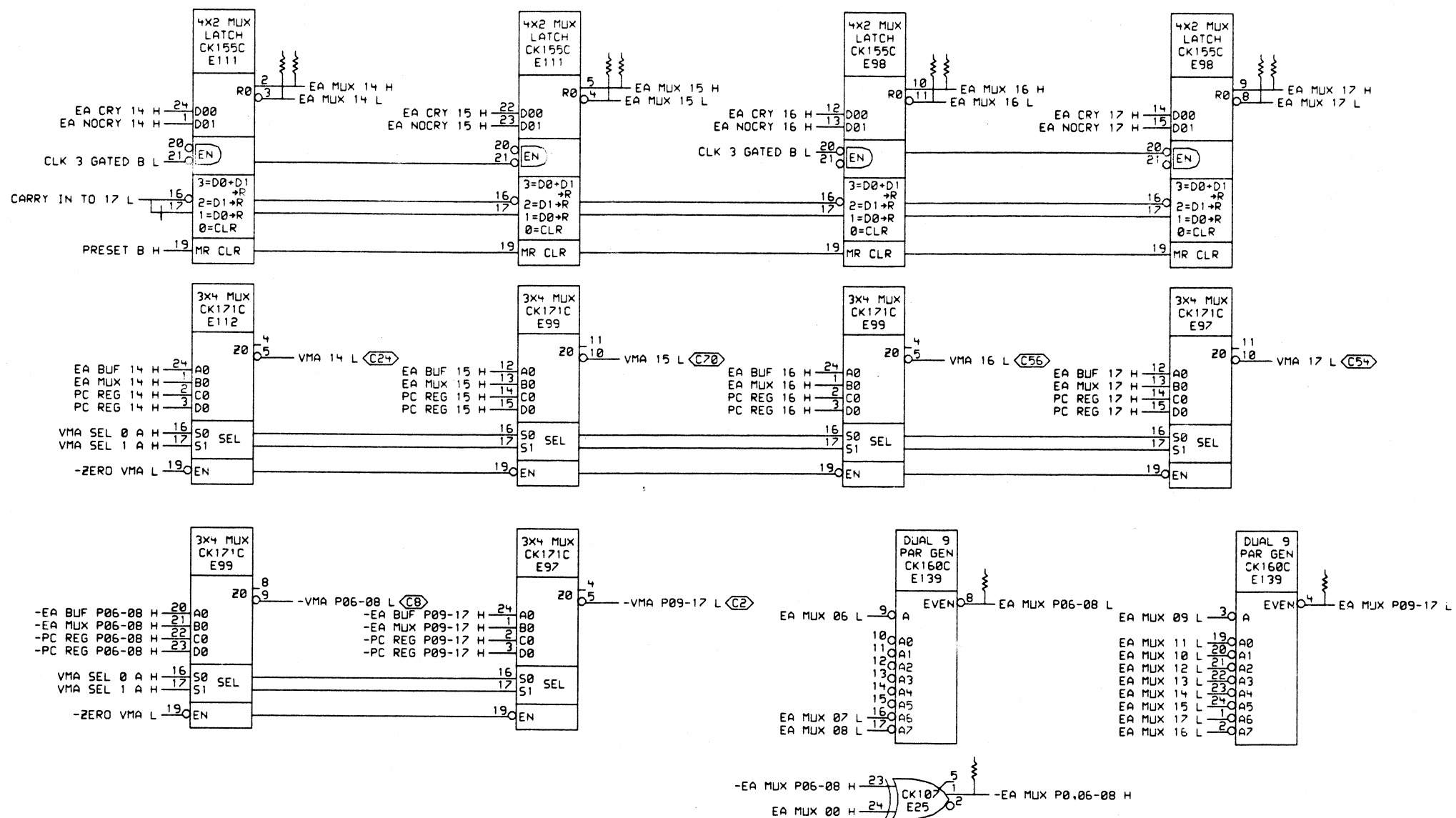
	DATE	ENG.	DATE	TITLE:
	04-FEB-82	J. J. J.	04-FEB-82	EA ALU 12-17
DATE	BOARD LOCATION:	DATE	SHEET	OF
03-FEB-82 15:14				
FIRST USED ON OPTION MODEL:		NEXT HIGHER ASSEMBLY:		SIZE CODE
				D CS L0055-0-IDL7
NUMBER				REV.



THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART AS A BASIS FOR THE MANUFACTURE OR REPRODUCTION OF ANY ITEM WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1982, DIGITAL EQUIPMENT CORPORATION.

REVISIONS	
CHK	CHANGE NO. REV

digital	DATE	ENG.	DATE	TITLE:
	01-FEB-82			VMA 06-13
CHK'D.	DATE	BOARD LOCATION:	SHEET	OF
VLL:CAM (2006.L0055)131DLB.DRW	02-FEB-82 15:18	NEXT HIGHER ASSEMBLY:	SIZE	CODE
FIRST USED ON OPTION/MODEL:			D	C5
			NUMBER	REV.
			L0055-0-IDL8	



THIS DRAWING AND SPECIFICATIONS 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 © 1983, DIGITAL EQUIPMENT CORPORATION.

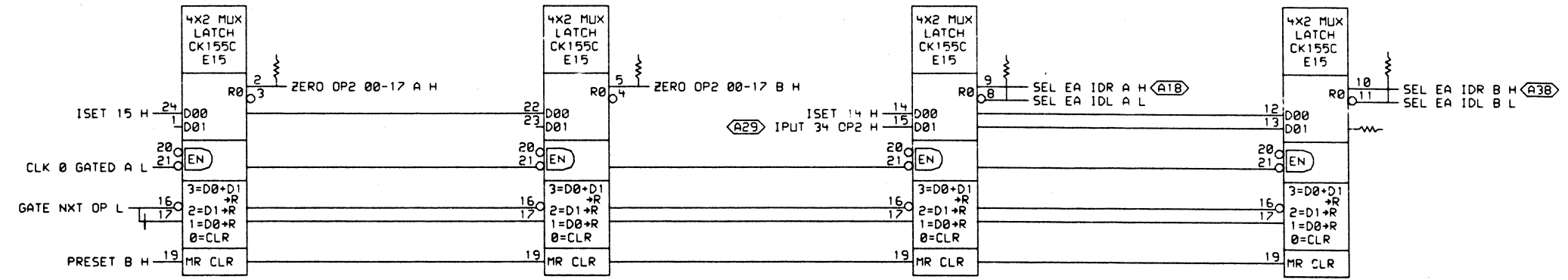
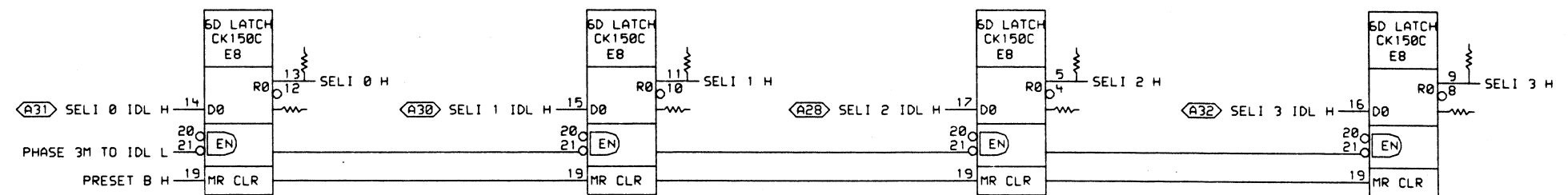
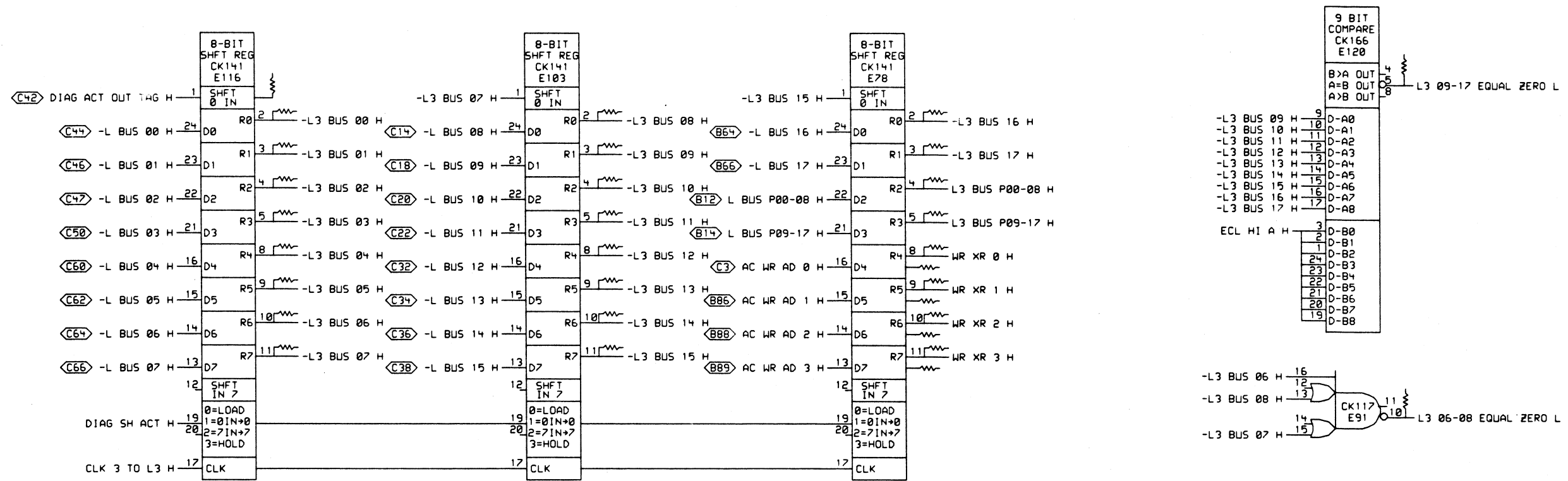
REVISIONS	
CHK	CHANGE NO. REV

digital
VULCAN: <2080.L0055>30IDL9.DRW 21-JAN-83 12:15
FIRST USED ON OPTION/MODEL:

DATE ENG. DATE BOARD LOCATION: SHEET OF
DATE BOARD LOCATION: SHEET OF
NEXT HIGHER ASSEMBLY:

TITLE: VMA 14-17,P
SIZE CODE NUMBER REV.
D CS L0055-0-IDL9

REV. NUMBER L0055-0-IDL9
SIZE CODE D CS

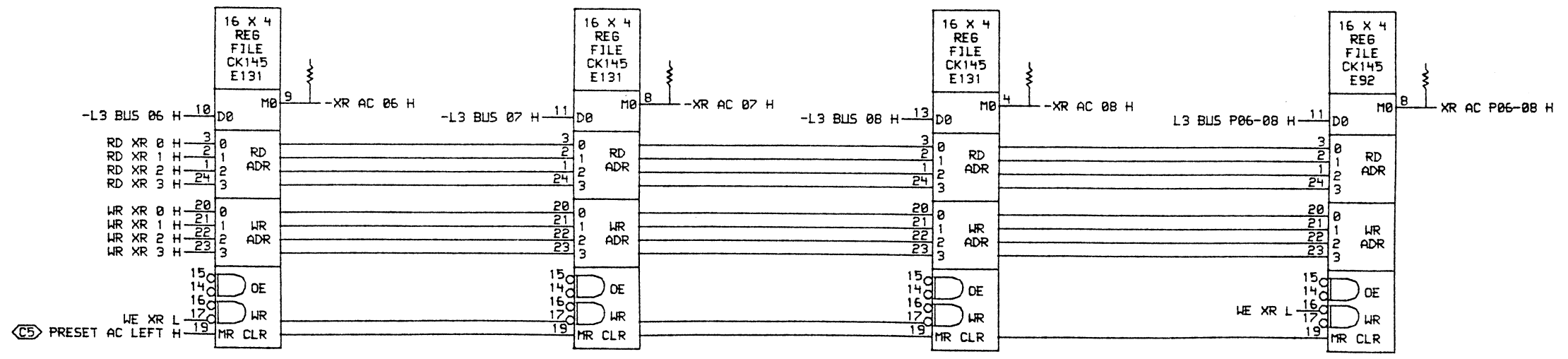
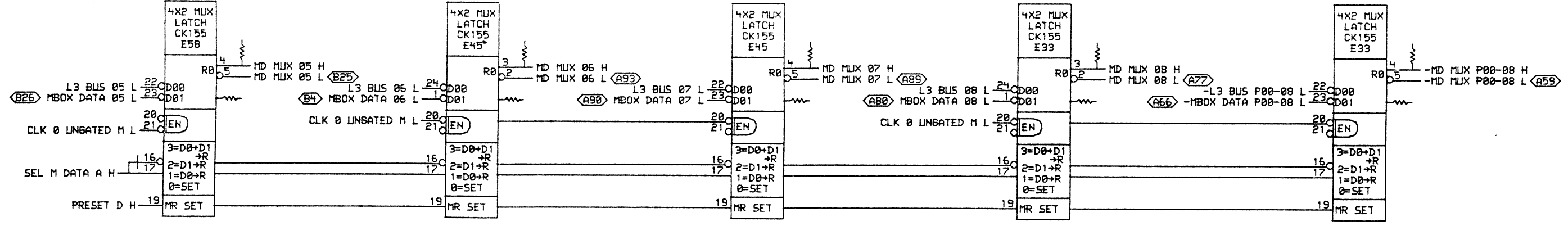
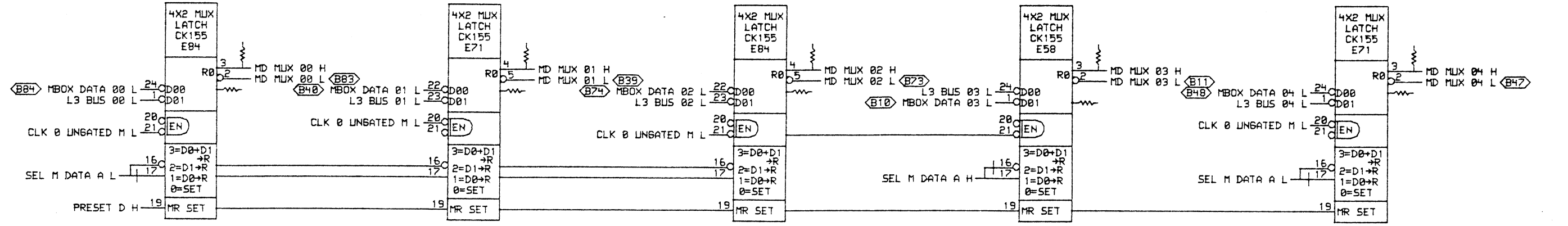


THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1982. DIGITAL EQUIPMENT CORPORATION.

CHK	CHANGE NO.	REV

REV.	DATE	ENG.	DATE	TITLE:

digital DRW. J. Looney
 DATE 10-DEC-82
 BOARD LOCATION: SHEET OF
 NEXT HIGHER ASSEMBLY:
 FIRST USED ON OPTION/MODEL:
 SIZE CODE NUMBER REV.
 D CS L0055-0-IDLA



THIS DRAWING AND SPECIFICATIONS 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 © 1982, DIGITAL EQUIPMENT CORPORATION.

REVISIONS	CHK	CHANGE NO.	REV

DATE	ENG.	DATE	TITLE:
04-FEB-82			XR, MD 00-08
DATE	BOARD LOCATION:	SHEET	OF
FIRST USED ON OPTION/MODEL:		NEXT HIGHER ASSEMBLY:	

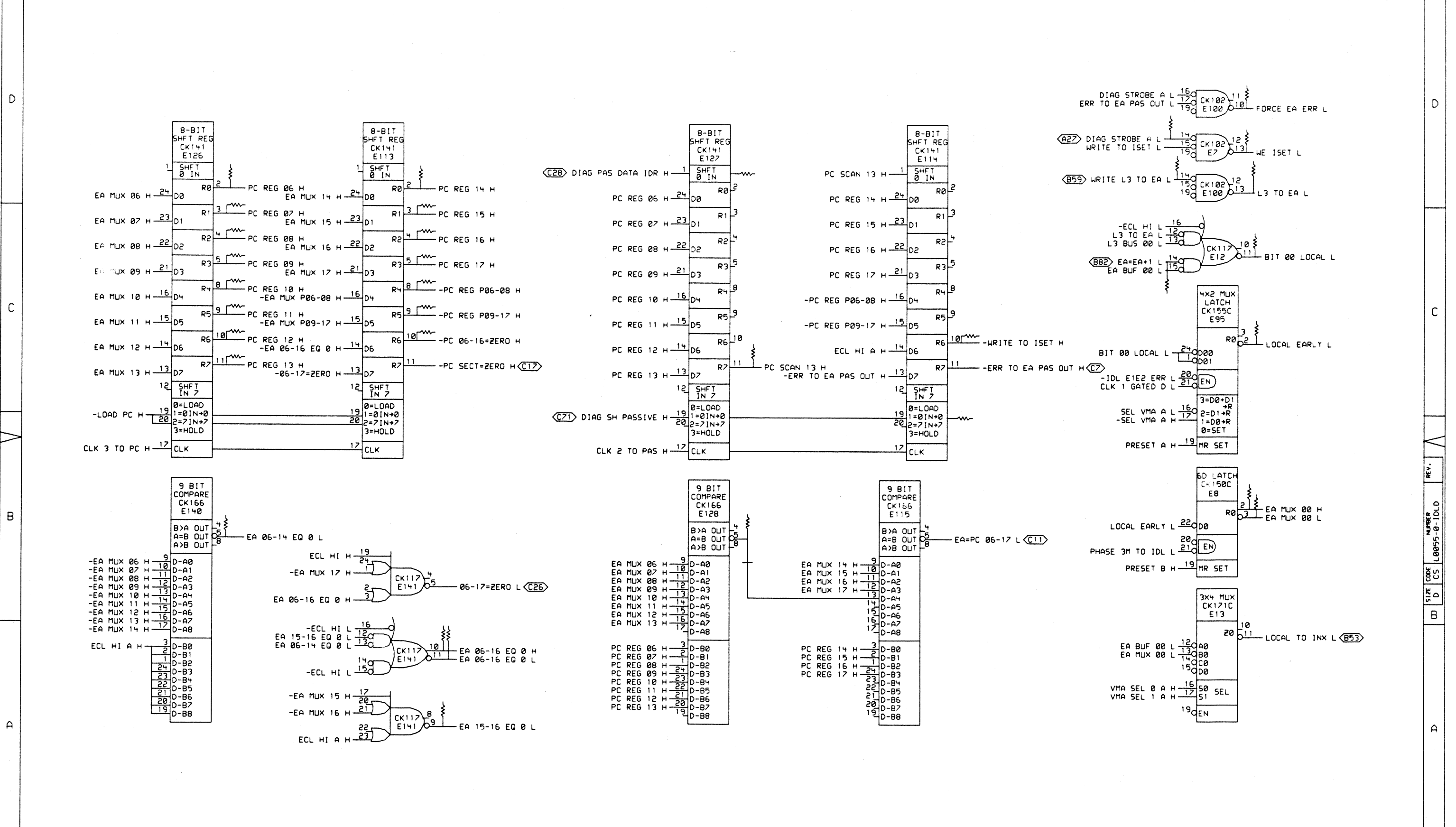
SIZE	CODE	NUMBER	REV.
D	CS	L0055-0-IDLB	



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

REVISIONS		
CHK	CHANGE NO.	REV

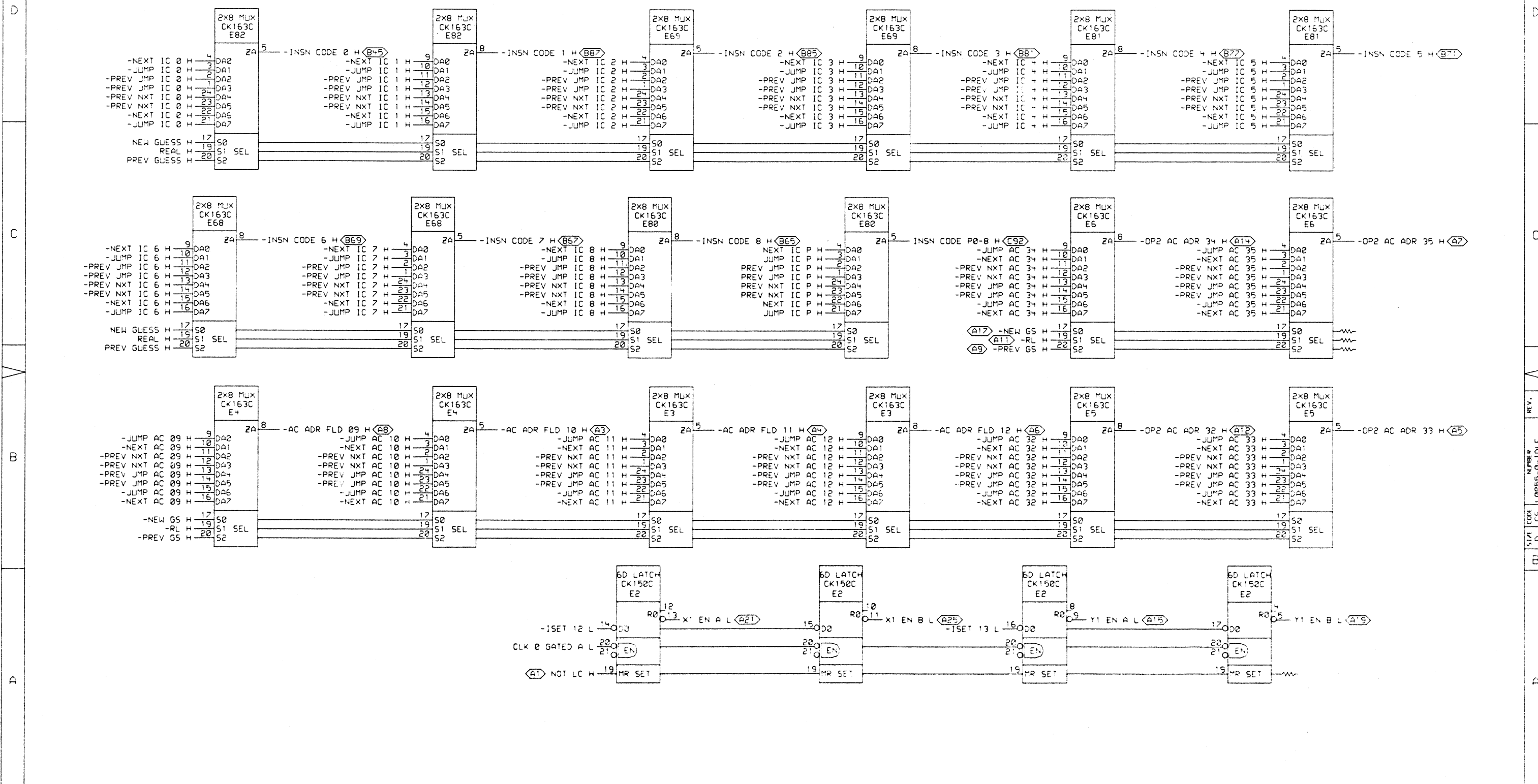
	DATE: 01-FEB-82	ENG.:	DATE:	TITLE: XR, MD 09-17
	CHK'D: [Signature]	DATE:	BOARD LOCATION:	P09-17
V.L. CAN: (2000.L0055)131DL.C.DRW 03-FEB-82 15:57		NEXT HIGHER ASSEMBLY:		SIZE CODE: D CS
FIRST USED ON OPTION/MODEL:		NUMBER: L0055-0-IDLC		REV.:



THIS DRAWING AND SPECIFICATIONS 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 © 1983, DIGITAL EQUIPMENT CORPORATION.

REVISIONS		
CHK	CHANGE NO.	REV

digital	DRW. J. J. J.	DATE 22-JAN-83	ENG.	DATE	TITLE: PC REG PC SCAN
	CHK'D.	DATE	BOARD LOCATION:	SHEET	NUMBER
FIRST USED ON OPTION/MODEL:			NEXT HIGHER ASSEMBLY:		REV.



THIS DRAWING AND SPECIFICATIONS 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.

REV	CHG	CHANGE NO.	REV

DATE	ENG.	DATE	TITLE
08 JAN 83			IC AC TO EBOX

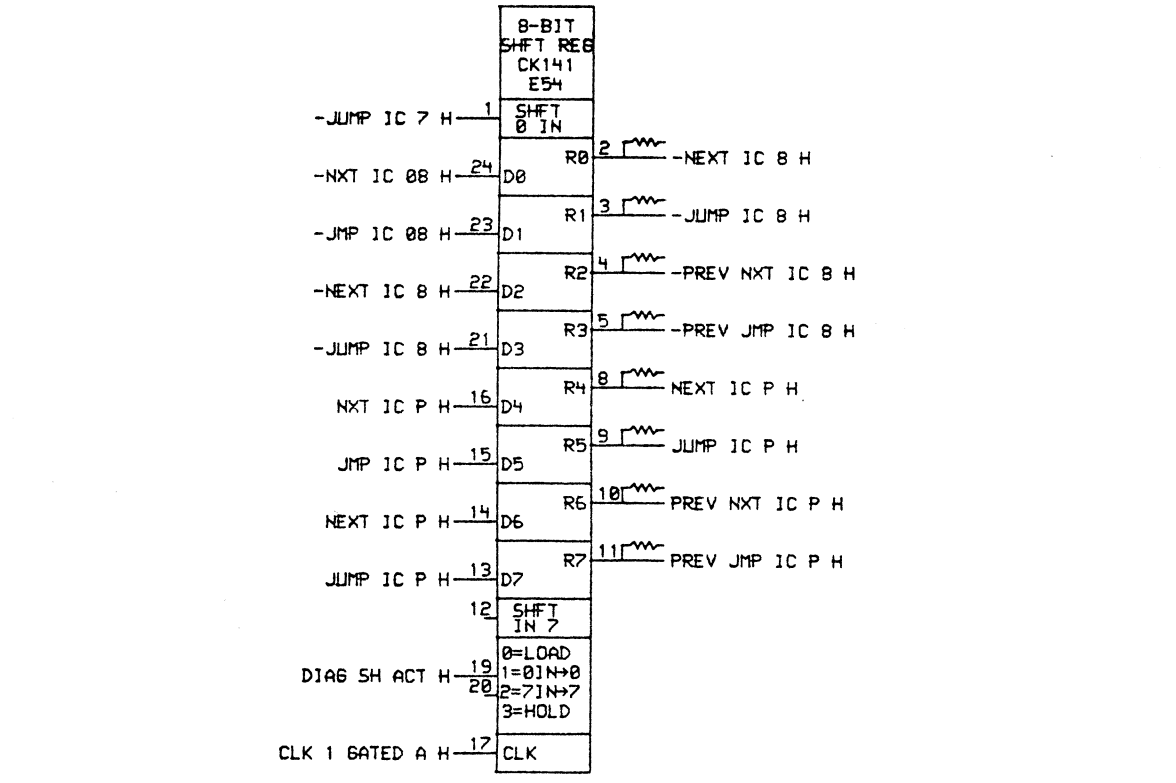
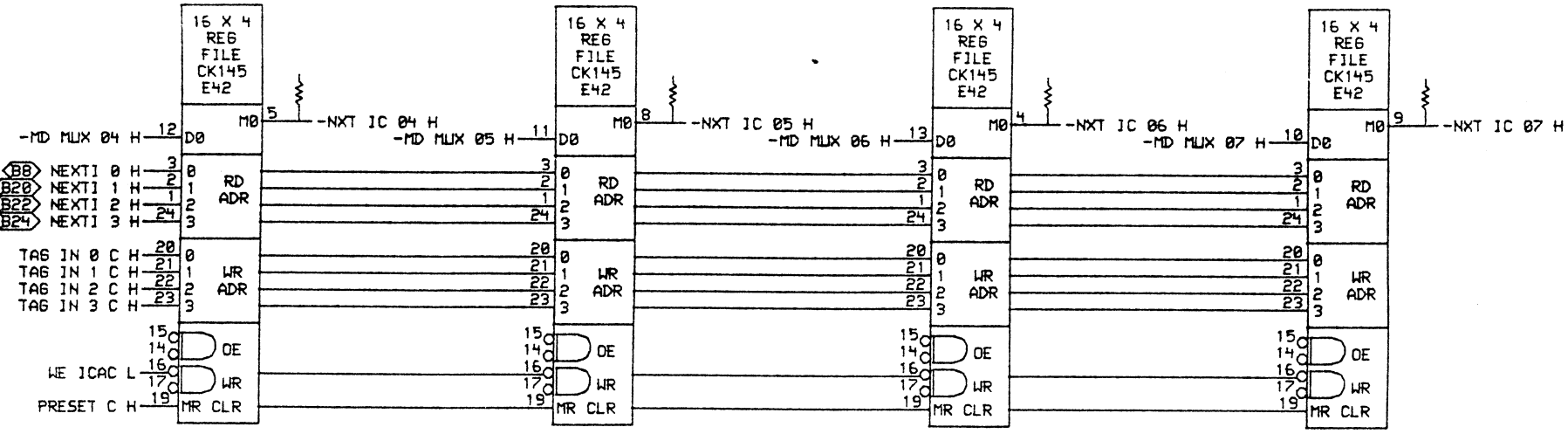
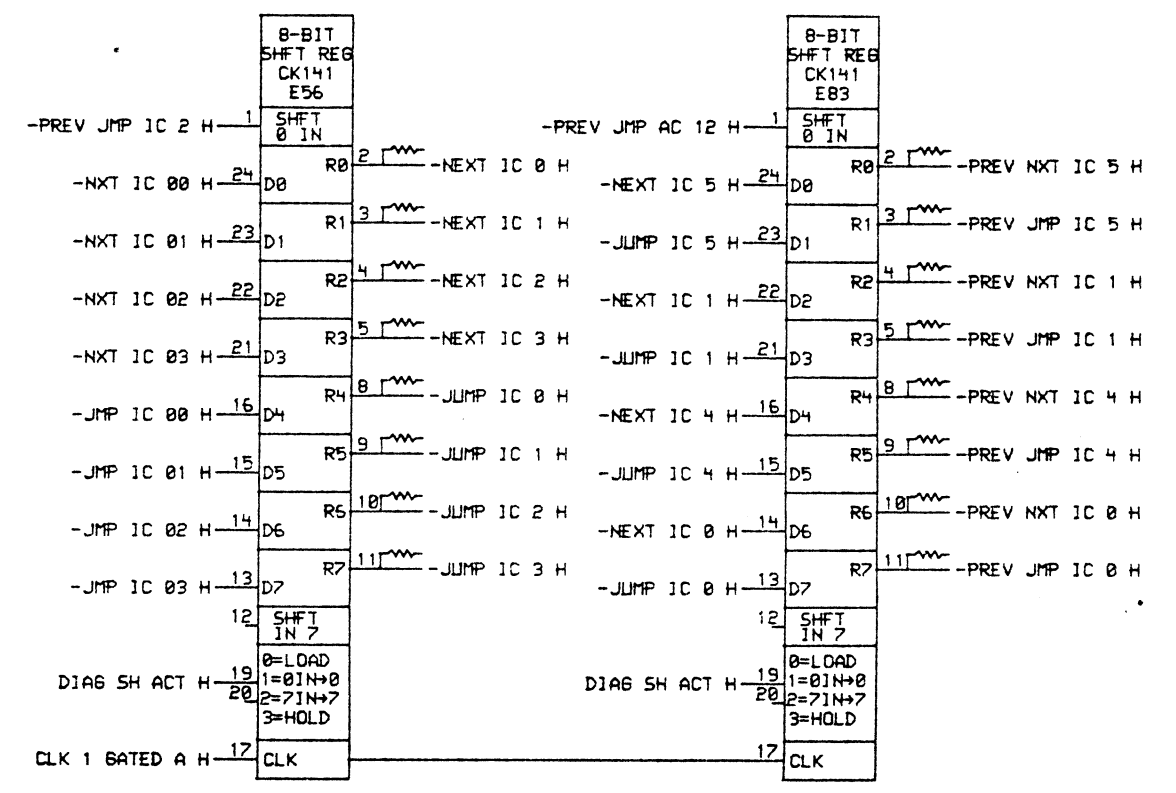
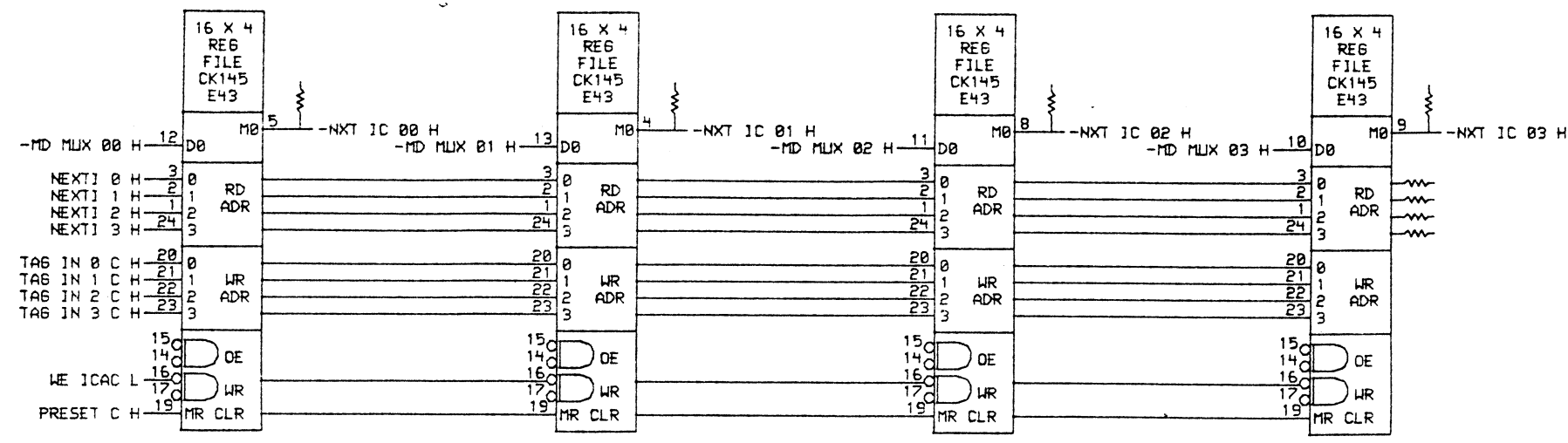
SIZE	CODE	NUMBER	REV.
D	CS	L0055-2-1DLE	

D

C

B

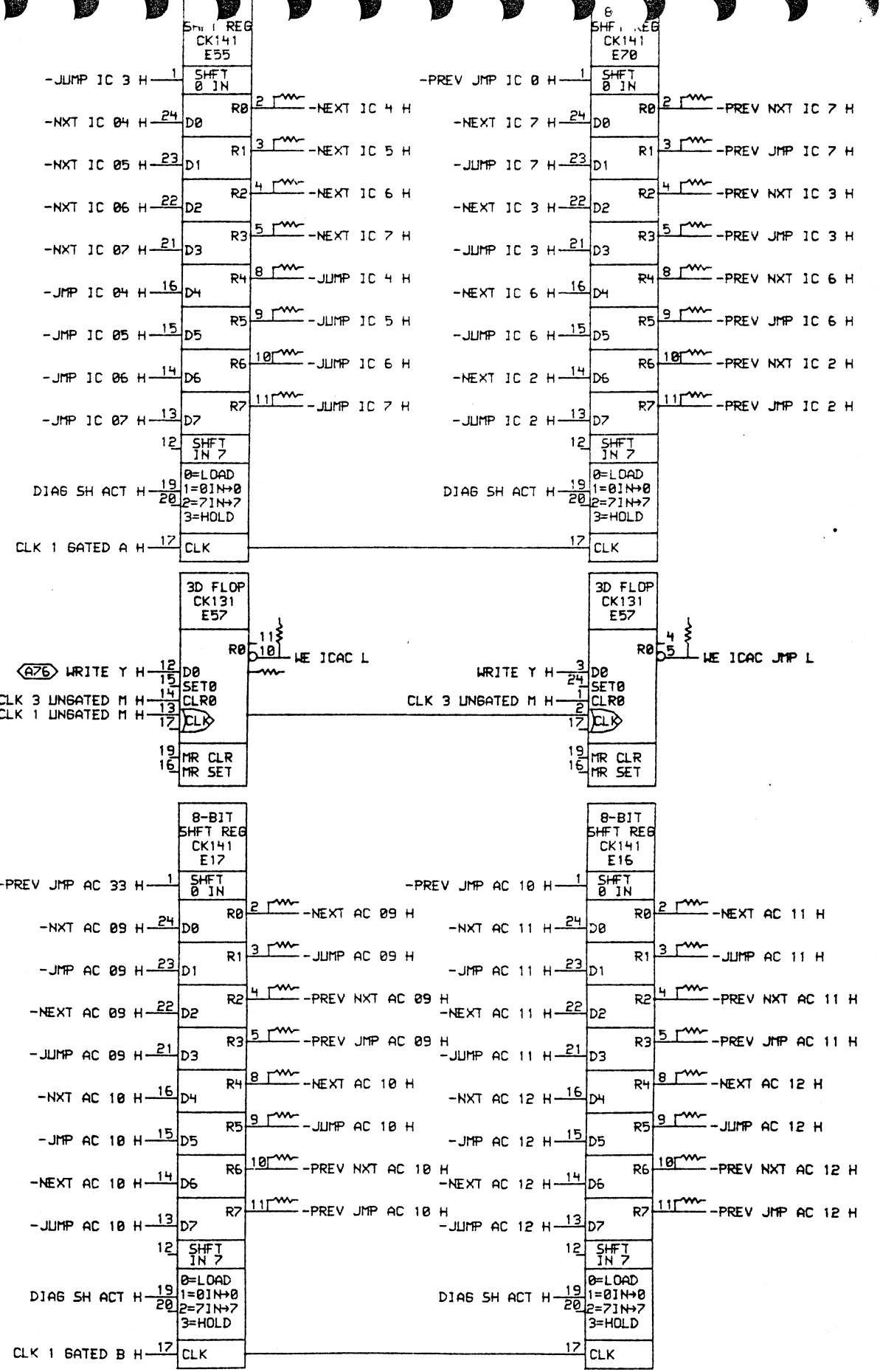
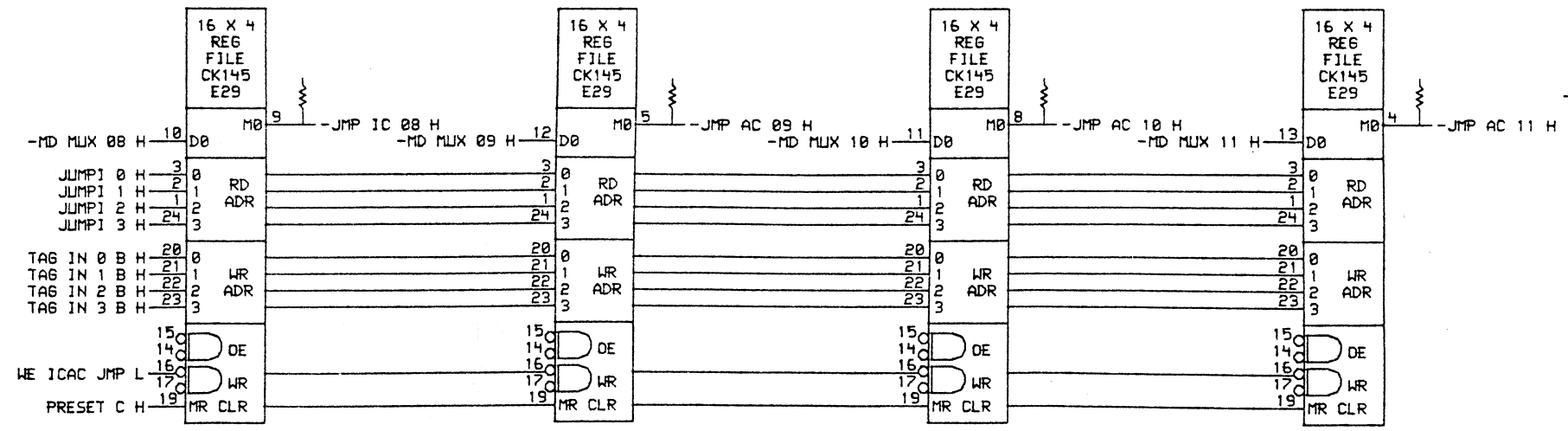
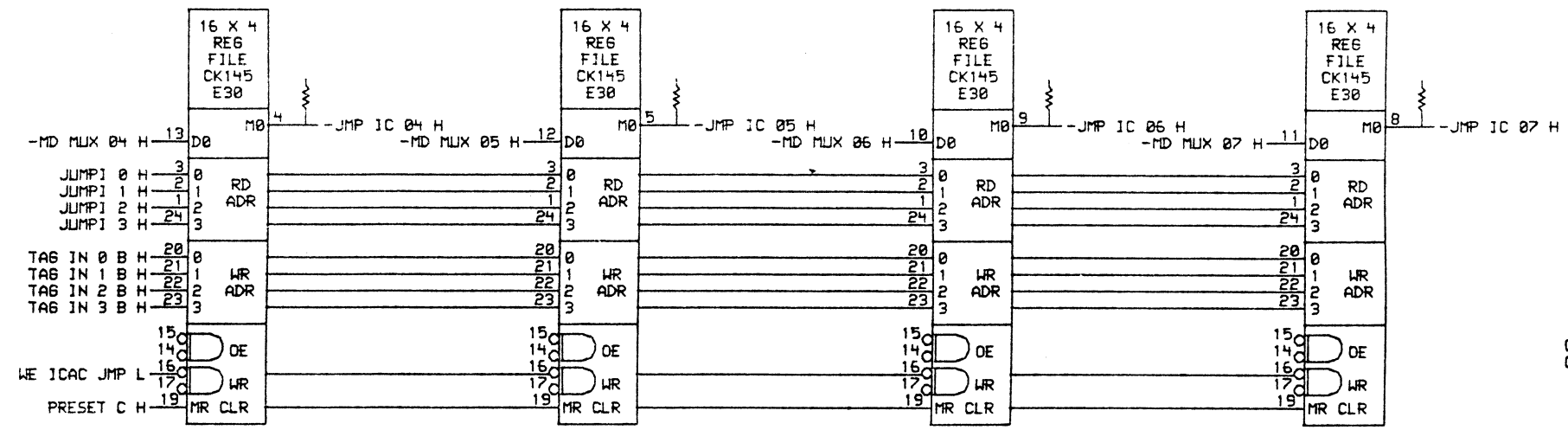
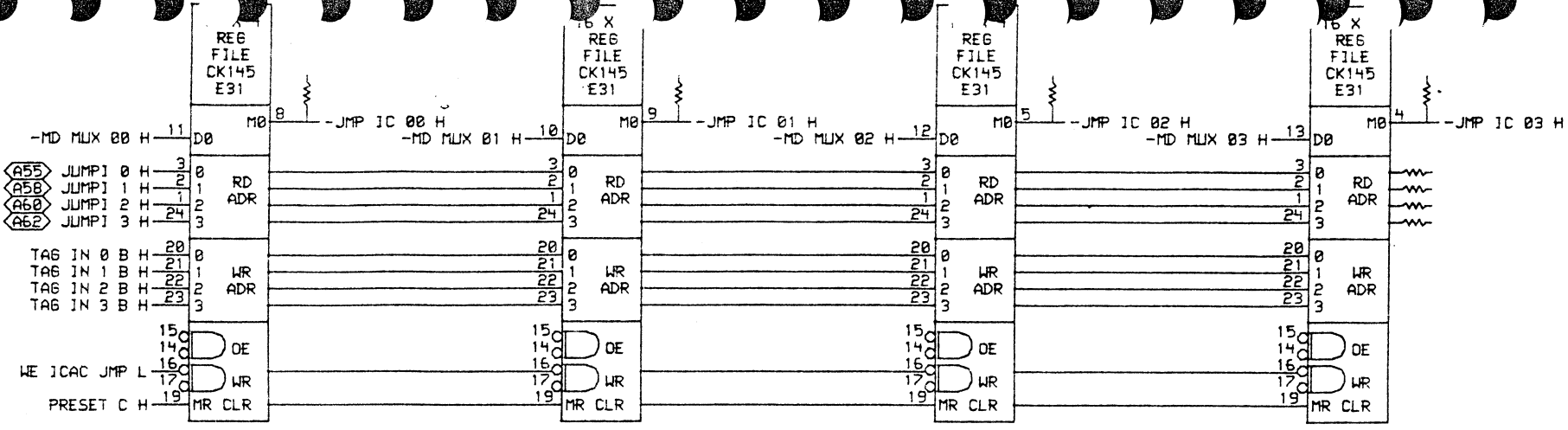
A



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 © 1982, DIGITAL EQUIPMENT CORPORATION.

REVISIONS		
CHK	CHANGE NO.	REV

digital	DATE: 04-FEB-82	ENG.	DATE	TITLE: NEXT ICAC	SIZE: D	CODE: C5	NUMBER: L0055-0-IDLF	REV.
FIRST USED ON OPTION/MODEL:								

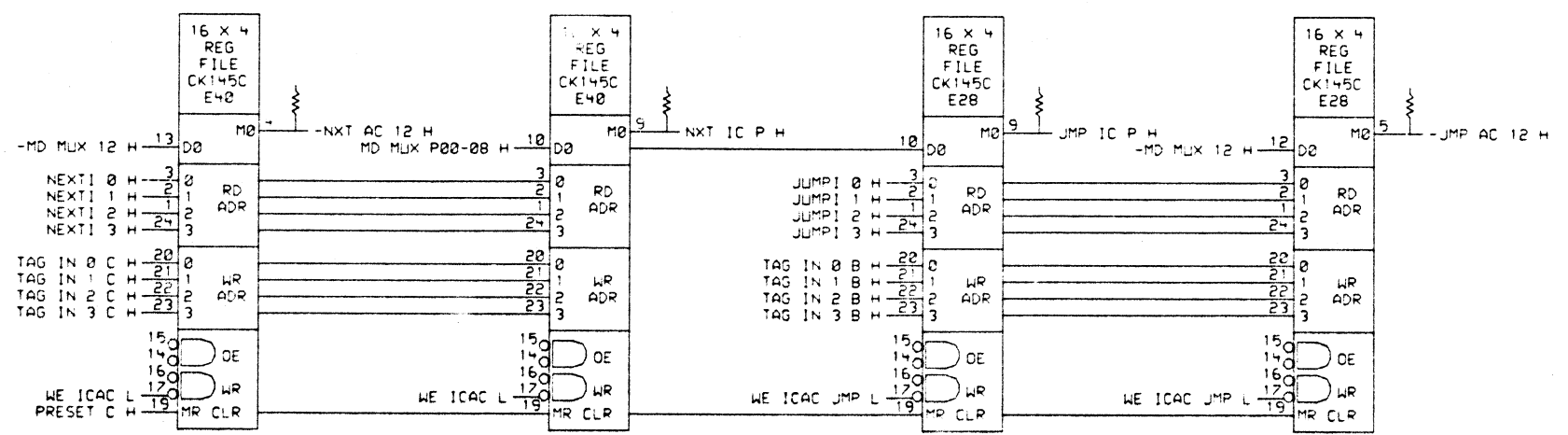
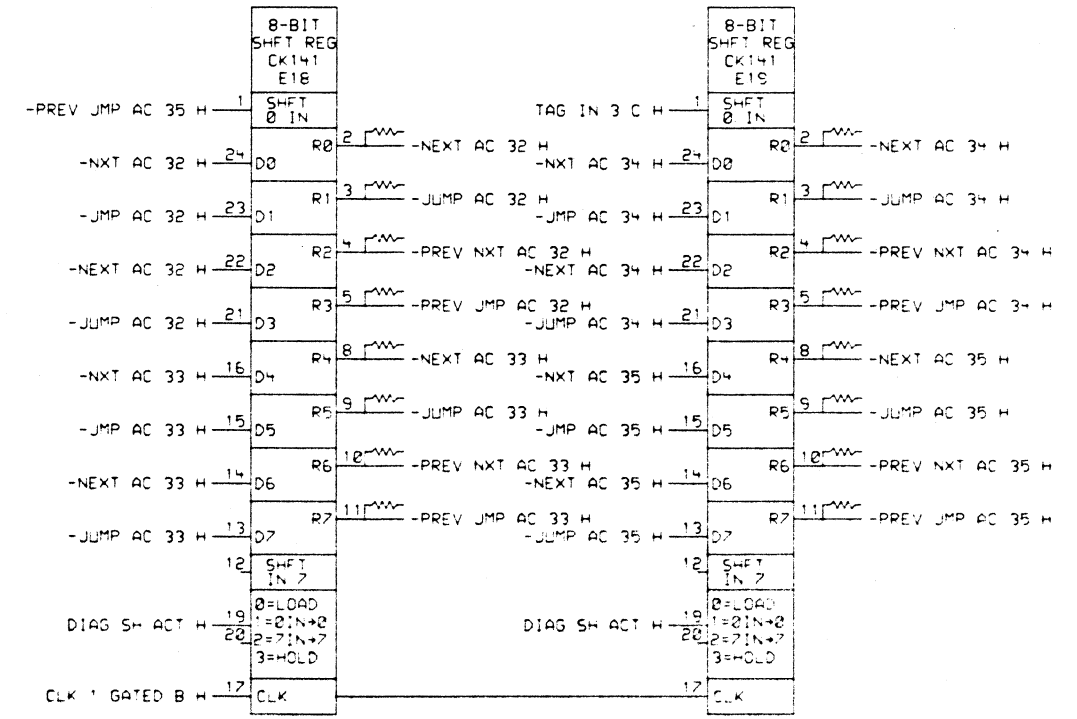
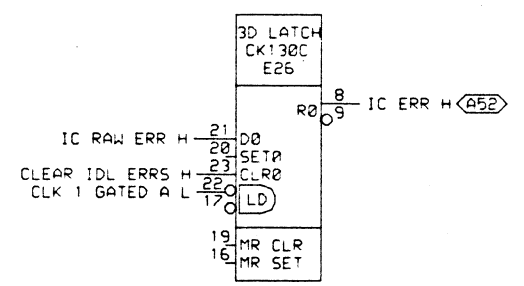
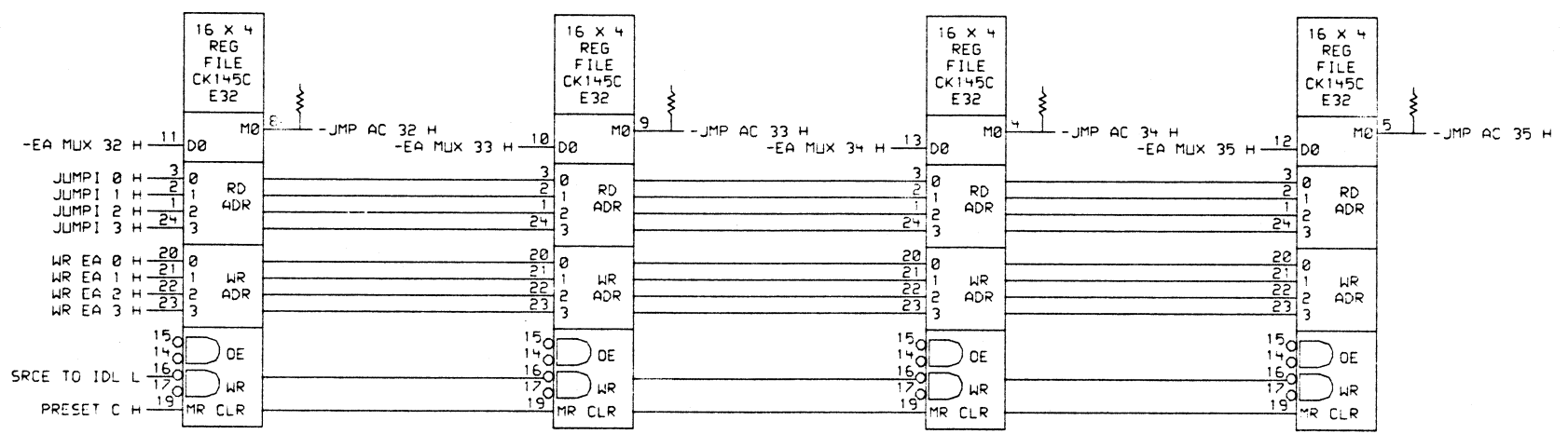
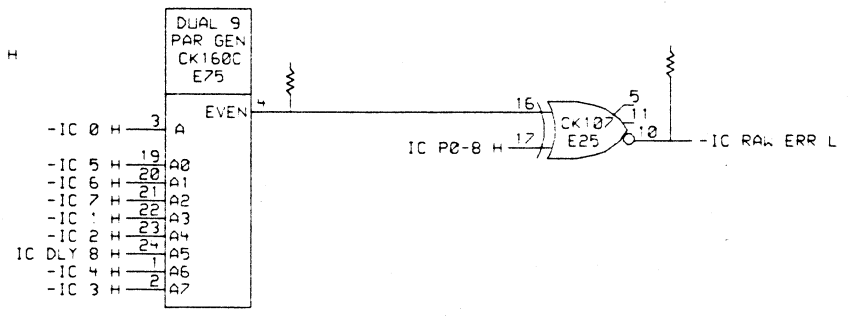
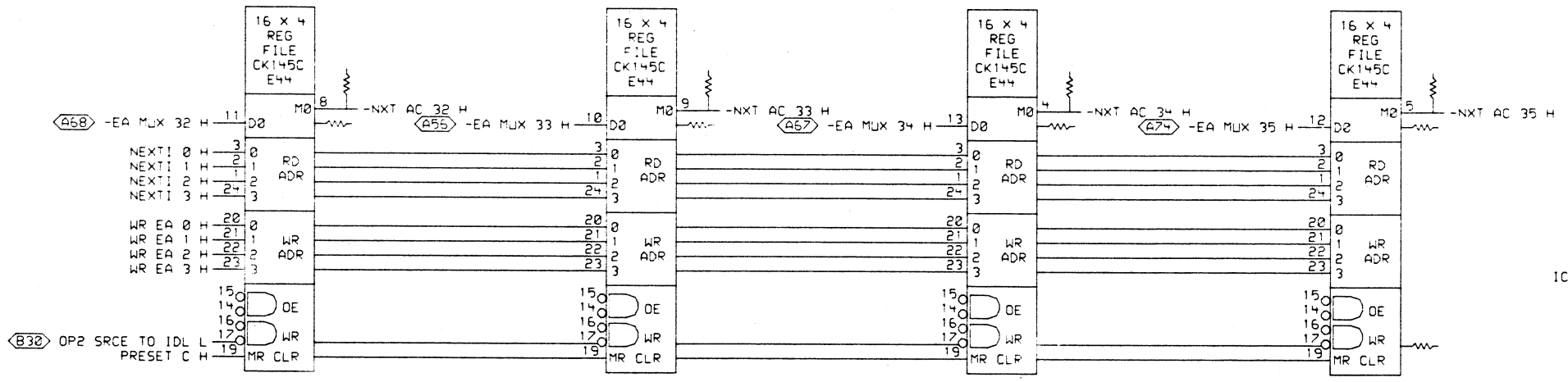


D
C
B
A

THIS DRAWING AND SPECIFICATIONS 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 © 1982, DIGITAL EQUIPMENT CORPORATION.

REVISIONS		
CHK	CHANGE NO.	REV

digital	DATE	ENG.	DATE	TITLE:	JUMP ICAC
	01-FEB-82				
	DATE	BOARD LOCATION:			
		SHEET			
V.L. CAN: (2000-L0055) 31DL6.DRW 03-FEB-82 21:07				NEXT HIGHER ASSEMBLY:	
FIRST USED ON OPTION/MODEL:				SIZE	CODE
				D	CS
				NUMBER	L0055-0-IDLG
				REV.	

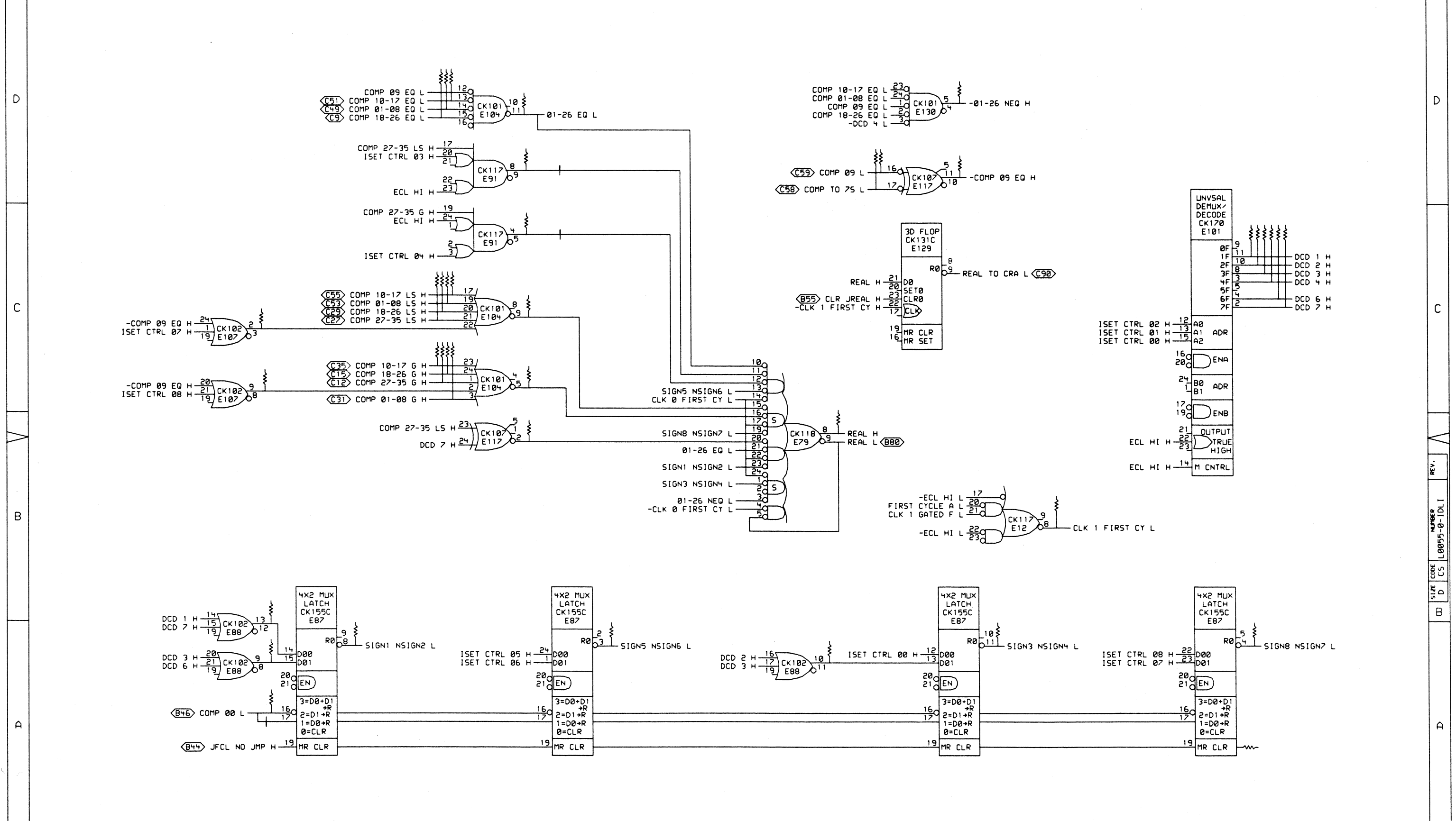


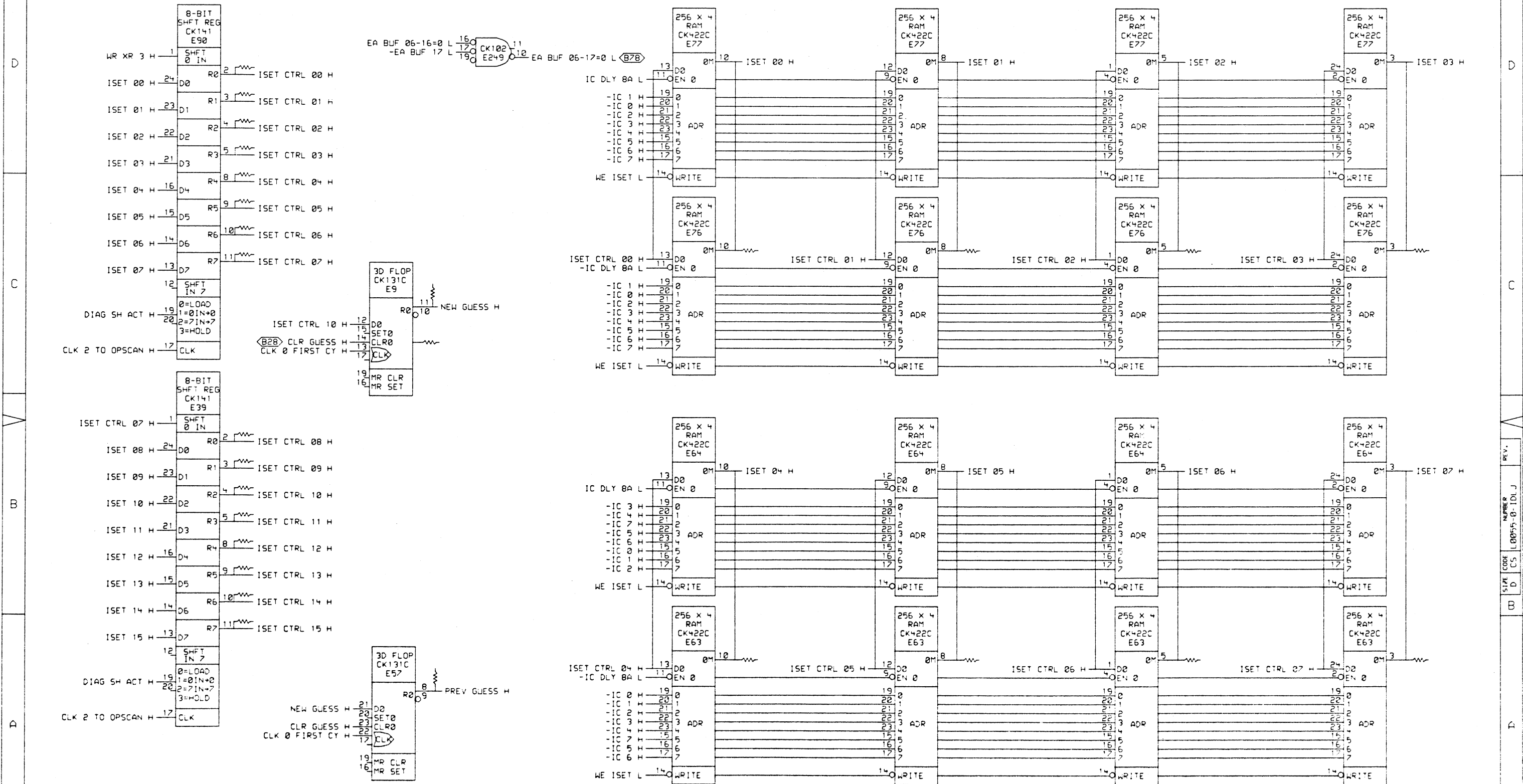
THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1969. DIGITAL EQUIPMENT CORPORATION

REV.	CHANGE NO.	REV

DATE: 08 JAN 69	ENG.:	DATE:	TITLE: OP2 AC
DATE:	BOARD LOCATION:	DATE:	NUMBER: 00955-0-IDLH
DATE:	DATE:	DATE:	REV.:

REV. NUMBER 00955-0-IDLH





THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1987. DIGITAL EQUIPMENT CORPORATION.

REVISIONS	
CHK	CHANGE NO. REV

DATE ENG. 28 JAN 87		DATE		TITLE: ISET 00-07	
DATE BOARD LOCATION		DATE		SIZE CODE D CS	
FIRST USED ON OPTION/MODEL		NEXT HIGHER ASSEMBLY		NUMBER L0055-0-10LJ	
				REV.	

REV. NUMBER L0055-0-10LJ



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 © 1983, DIGITAL EQUIPMENT CORPORATION.

REVISIONS	
CHK	CHANGE NO. / REV

	DRW. <i>J. Family</i>	DATE 22-JAN-83	ENG.	DATE	TITLE: IO DRIVE
	CHK'D.	DATE	BOARD LOCATION:	SHEET	OF
VULCAN: <2000.L0055>30IDLL.DRW 21-JAN-83 10:43			NEXT HIGHER ASSEMBLY:		SIZE CODE NUMBER
FIRST USED ON OPTION/MODEL:			D CS L0055-0-IDLL		REV.

REV. NUMBER L0055-0-IDLL
 SIZE CODE CS
 SHEET B

<2080.L0056>12IDR1
<2080.L0056>IDR2
<2080.L0056>12IDR3
<2080.L0056>IDR4
<2080.L0056>12IDR5
<2080.L0056>12IDR6
<2080.L0056>12IDR7
<2080.L0056>12IDR8
<2080.L0056>1IDR9
<2080.L0056>IDRA
<2080.L0056>IDRB
<2080.L0056>IDRC
<2080.L0056>13IDRD
<2080.L0056>12IDRE
<2080.L0056>12IDRF
<2080.L0056>12IDRG
<2080.L0056>2IDRH
<2080.L0056>14IDRI
<2080.L0056>15IDRJ
<2080.L0056>4IDRK
<2080.L0056>17IDRL
<2080.L0056>17IDRM
<2080.L0056>IDRN

E141	E128	E115	E102	E090	E077	E064	E051	E039	E026	E013
E140	E127	E114	E101	E089	E076	E063	E050	E038	E025	E012

E139	E126	E113	E100	E088	E075	E062	E049	E037	E024	E011
E138	E125	E112	E099	E087	E074	E061	E048	E036	E023	E010

E137	E124	E111	E098	E086	E073	E060	E047	E035	E022	E009
E136	E123	E110	E097	E085	E072	E059	E046	E034	E021	E008

E135	E122	E109	E096	E084	E071	E058	E045	E033	E020	E007
E134	E121	E108	E095	E083	E070	E057	E044	E032	E019	E006

E133	E120	E107	E094	E082	E069	E056	E043	E031	E018	E005
E132	E119	E106	E093	E081	E068	E055	E042	E030	E017	E004

E131	E118	E105	E092	E080	E067	E054	E041	E029	E016	E003
------	------	------	------	------	------	------	------	------	------	------

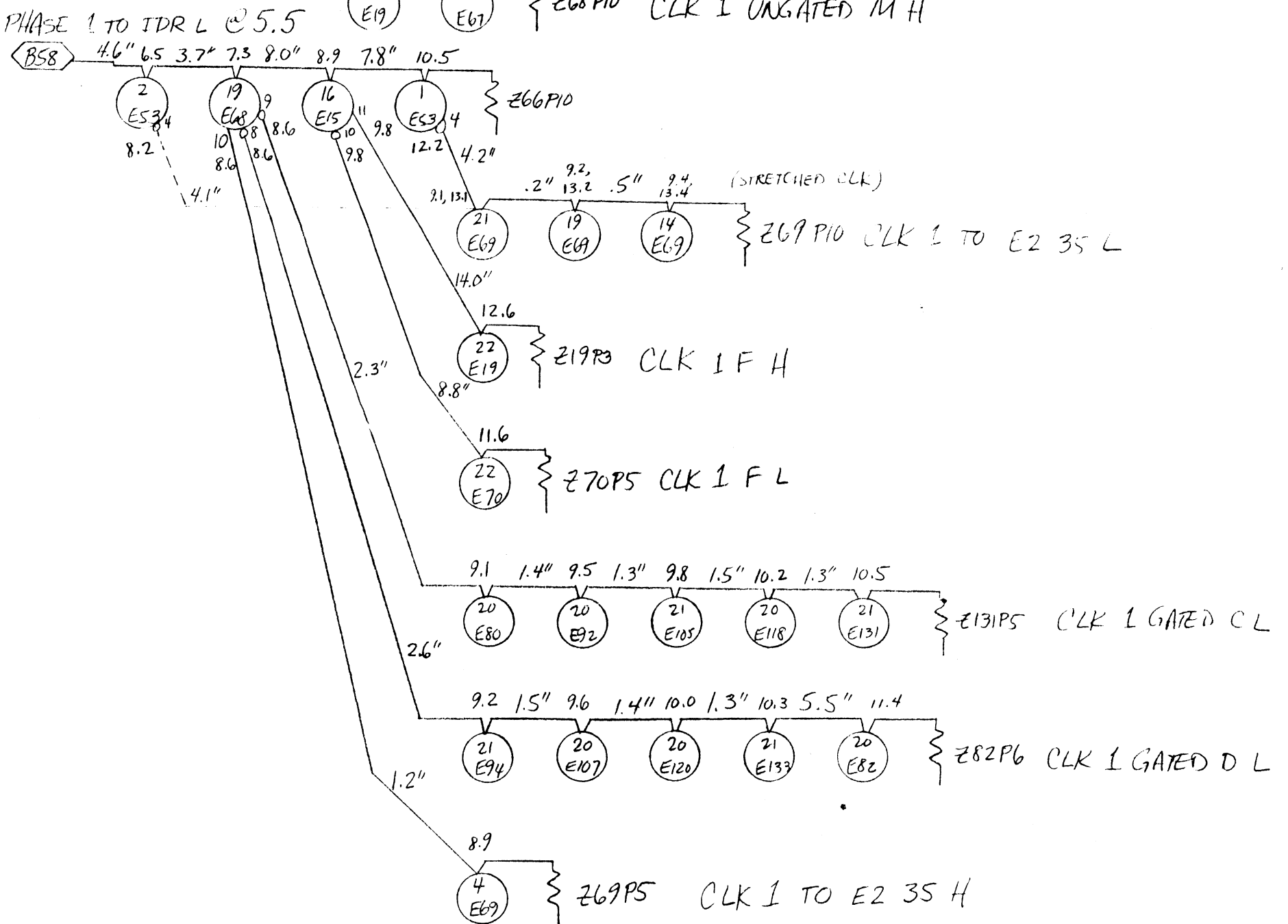
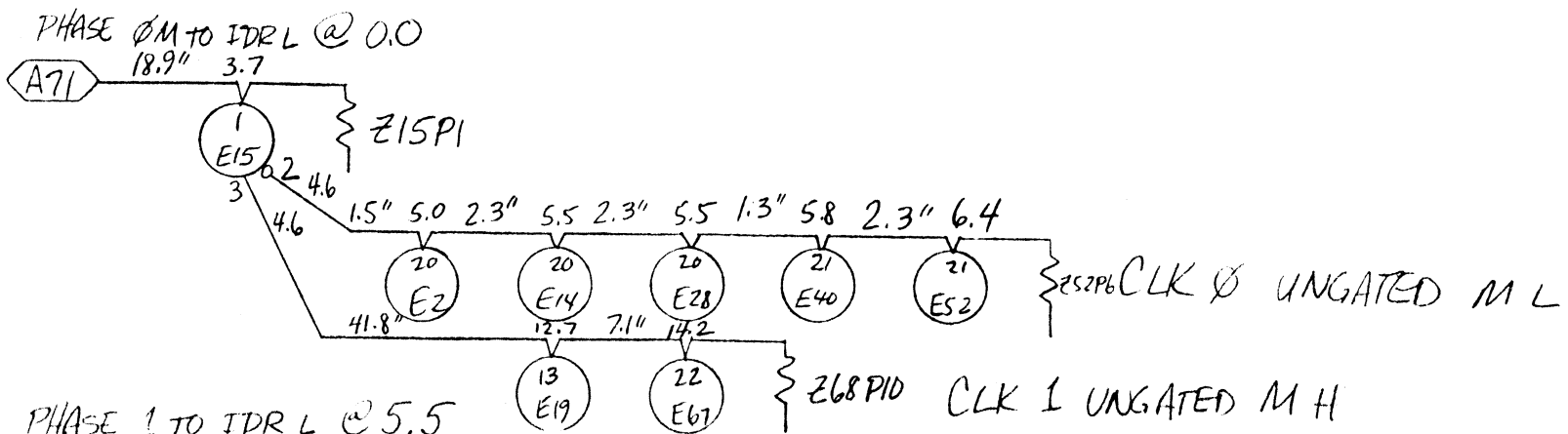
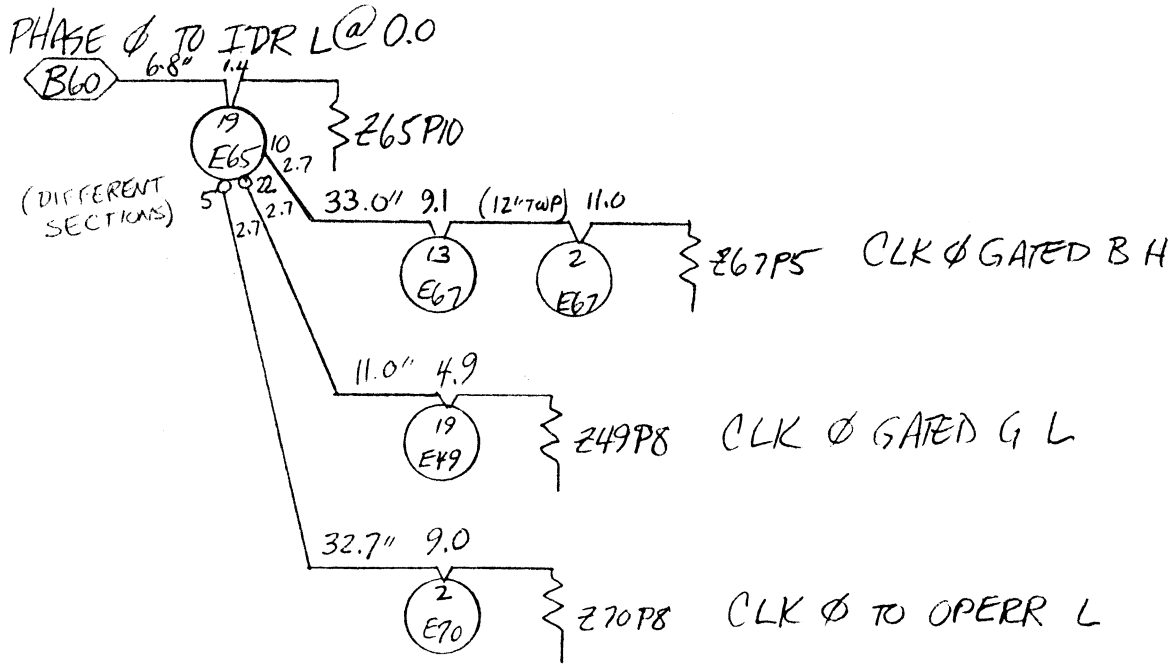
+ C095 + + C094 + + C093 + + C092 + + C091 + + C090 +

E130	E117	E104	E091	E079	E066	E053	E040	E028	E015	E002
E129	E116	E103	E078	E065	E052	E027	E014	E001		

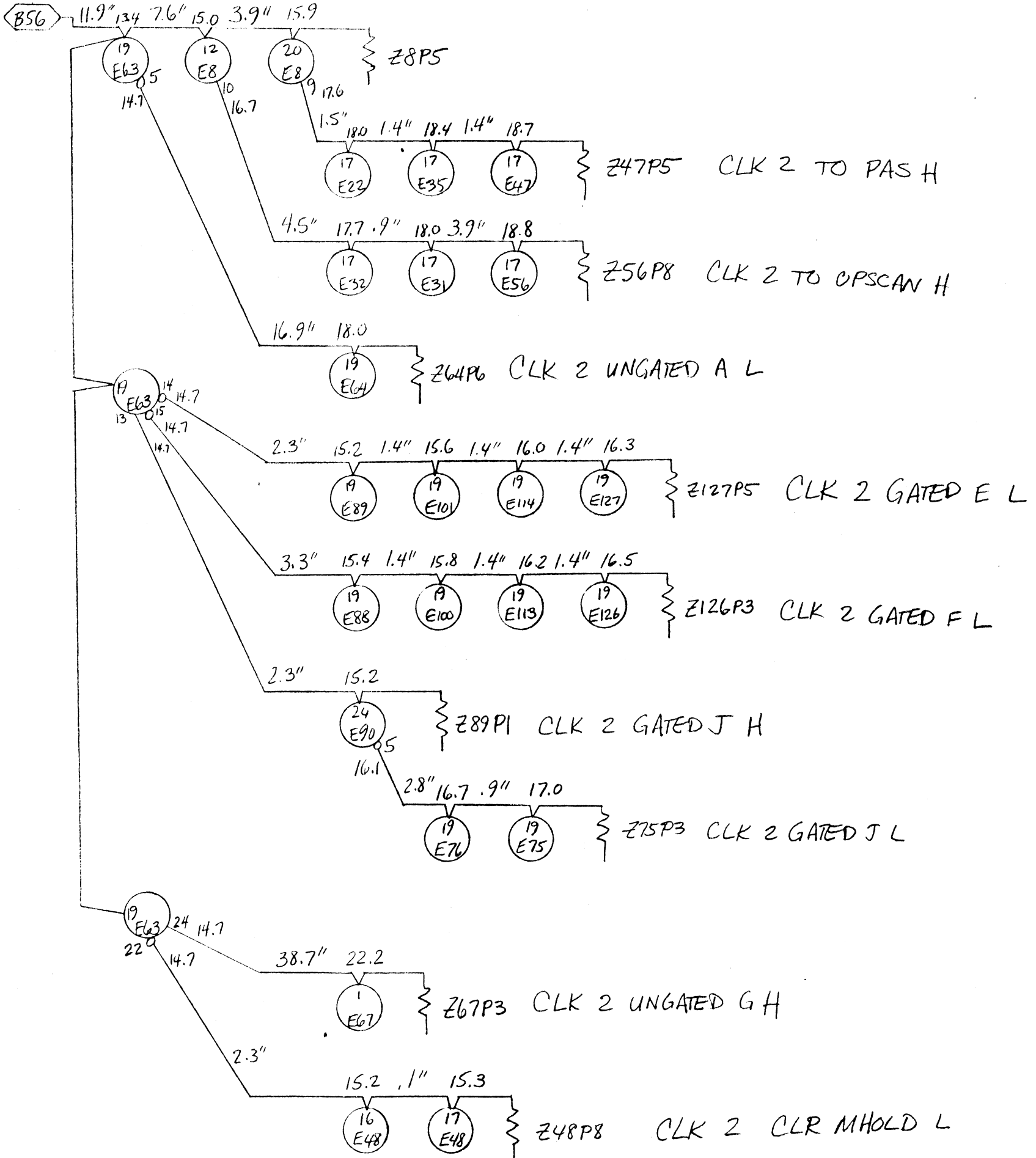
102

IDR BOARD CLOCK NETS
 AT ECO #17
 17 IDR.NET LIST USED AS
 SOURCE, CREATED 15-OCT-82
 KRCURCUM
 26-OCT-82

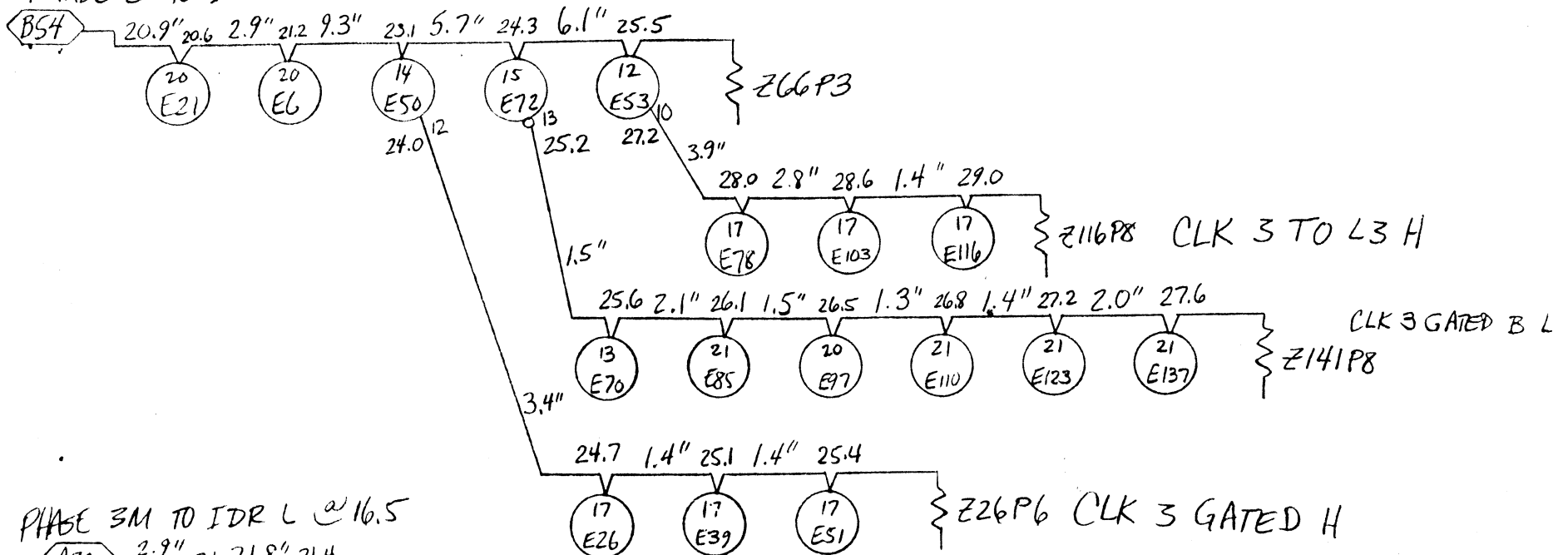
IDR



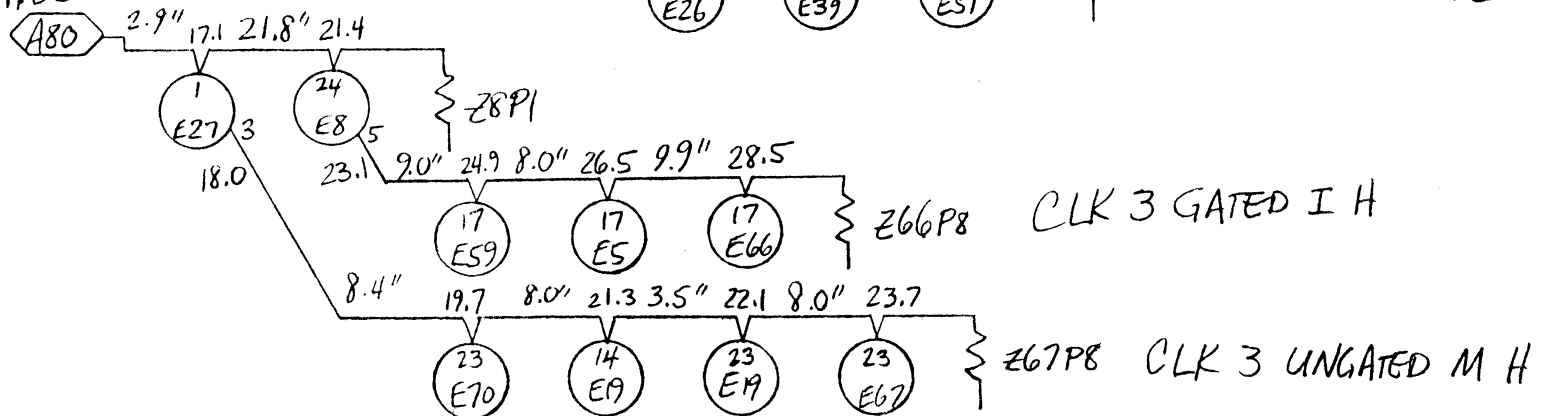
PHASE 2 TO IDR L @ 11.0

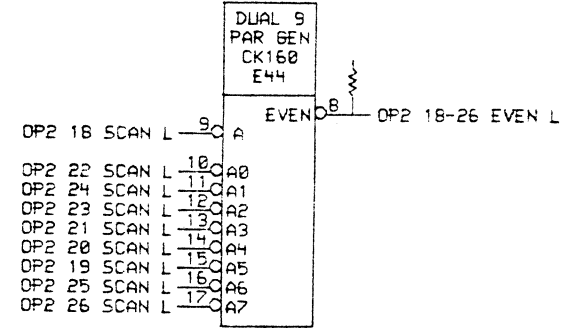
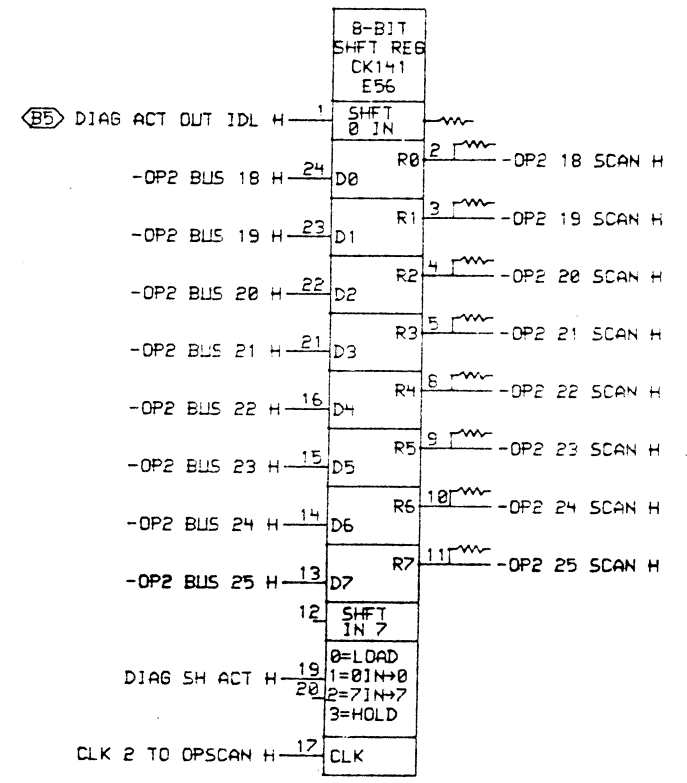
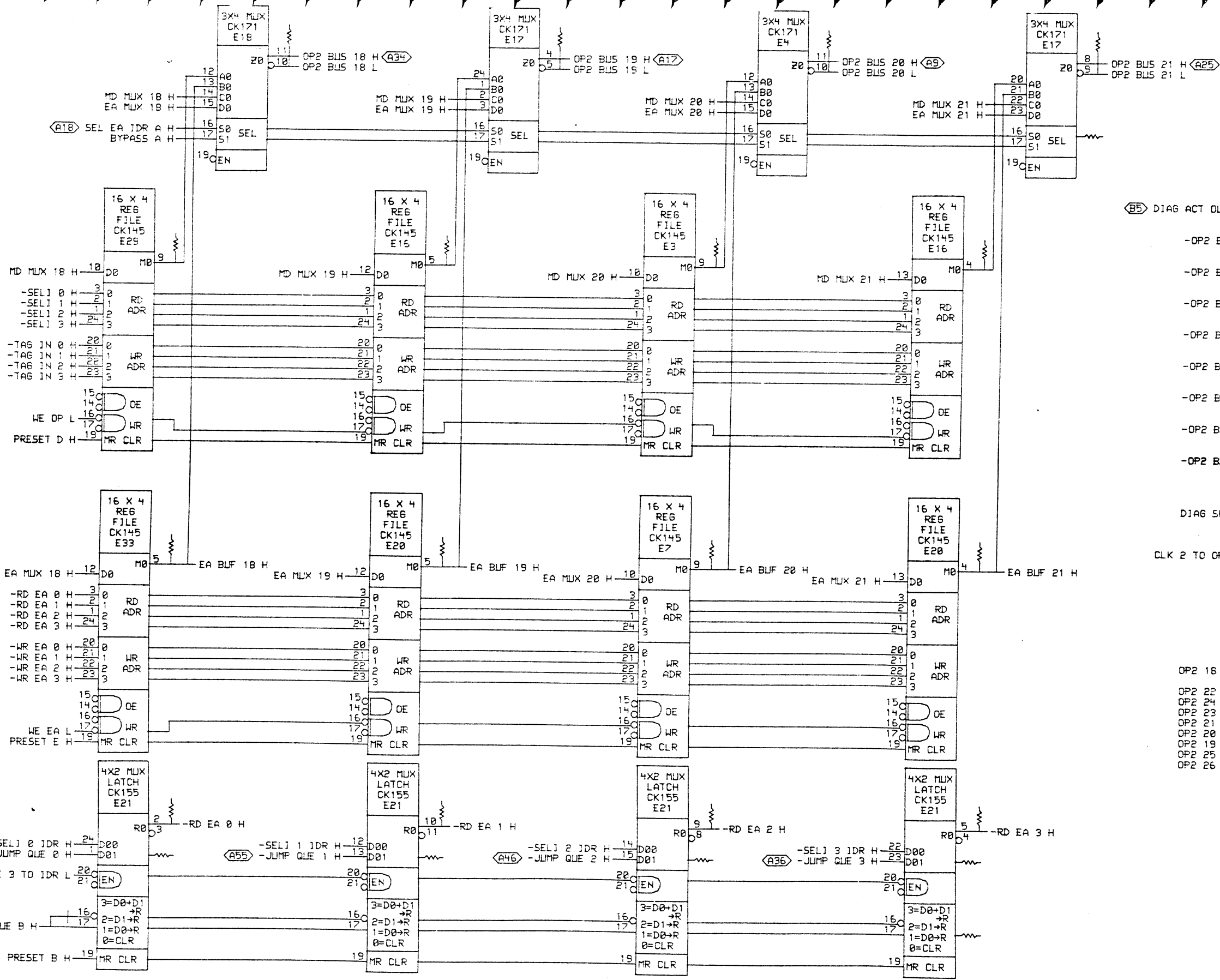


PHASE 3 TO IDR L @ 16.5



PHASE 3M TO IDR L @ 16.5

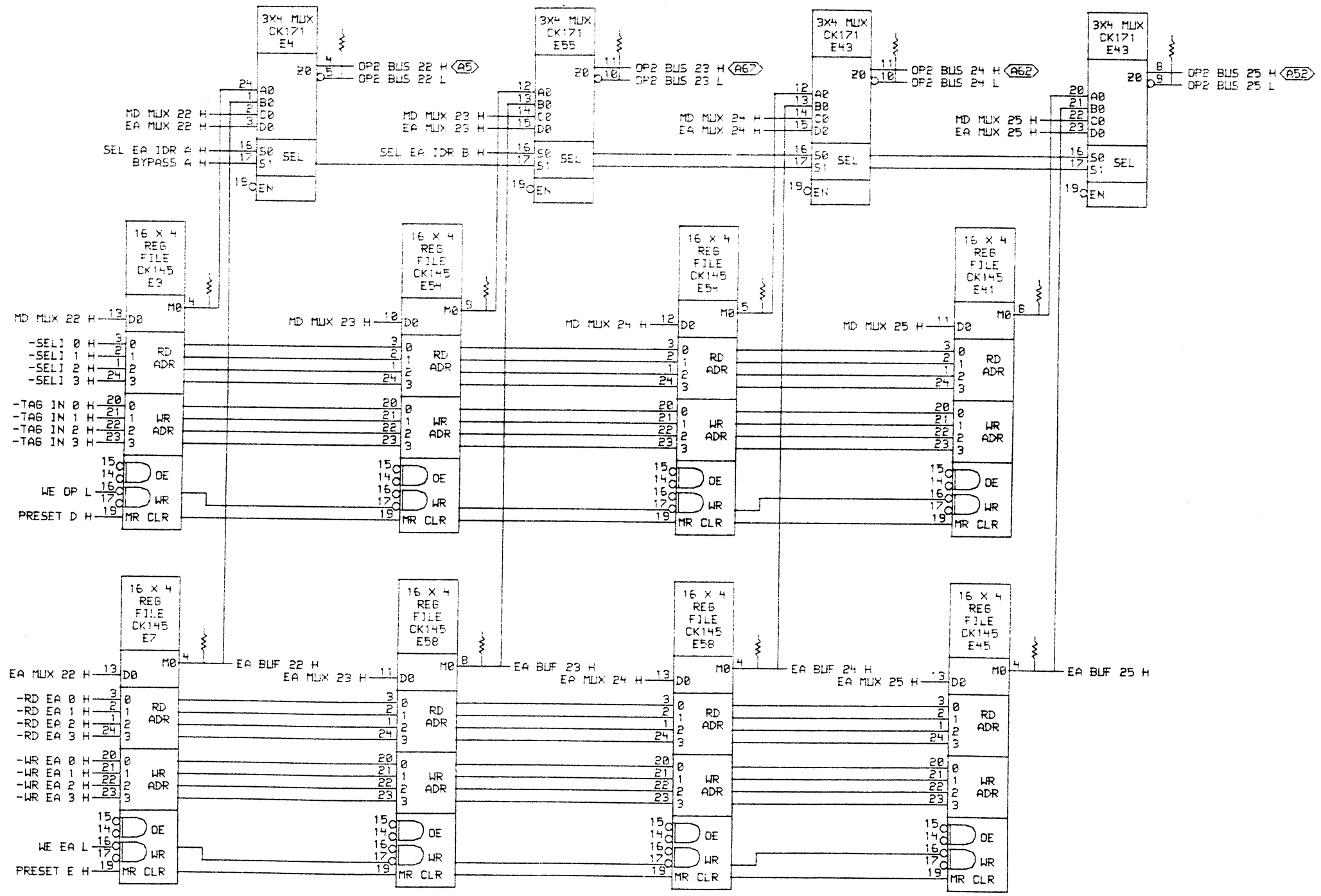




THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1982 DIGITAL EQUIPMENT CORPORATION

REVISIONS	CHK	CHANGE NO.	REV

	DATE 05-FEB-82 ENG. [Signature] CHECK'D. [Signature]	DATE [Blank] BOARD LOCATION: [Blank] SHEET OF [Blank]	TITLE: OP2 BUS 18-21
	V.L. CAN (2888-10056) 121DR1.DRW 04-FEB-82 07:33 FIRST USED ON OPTION/MODEL:	NEXT HIGHER ASSEMBLY:	SIZE CODE D CS NUMBER L0056-0-IDR1

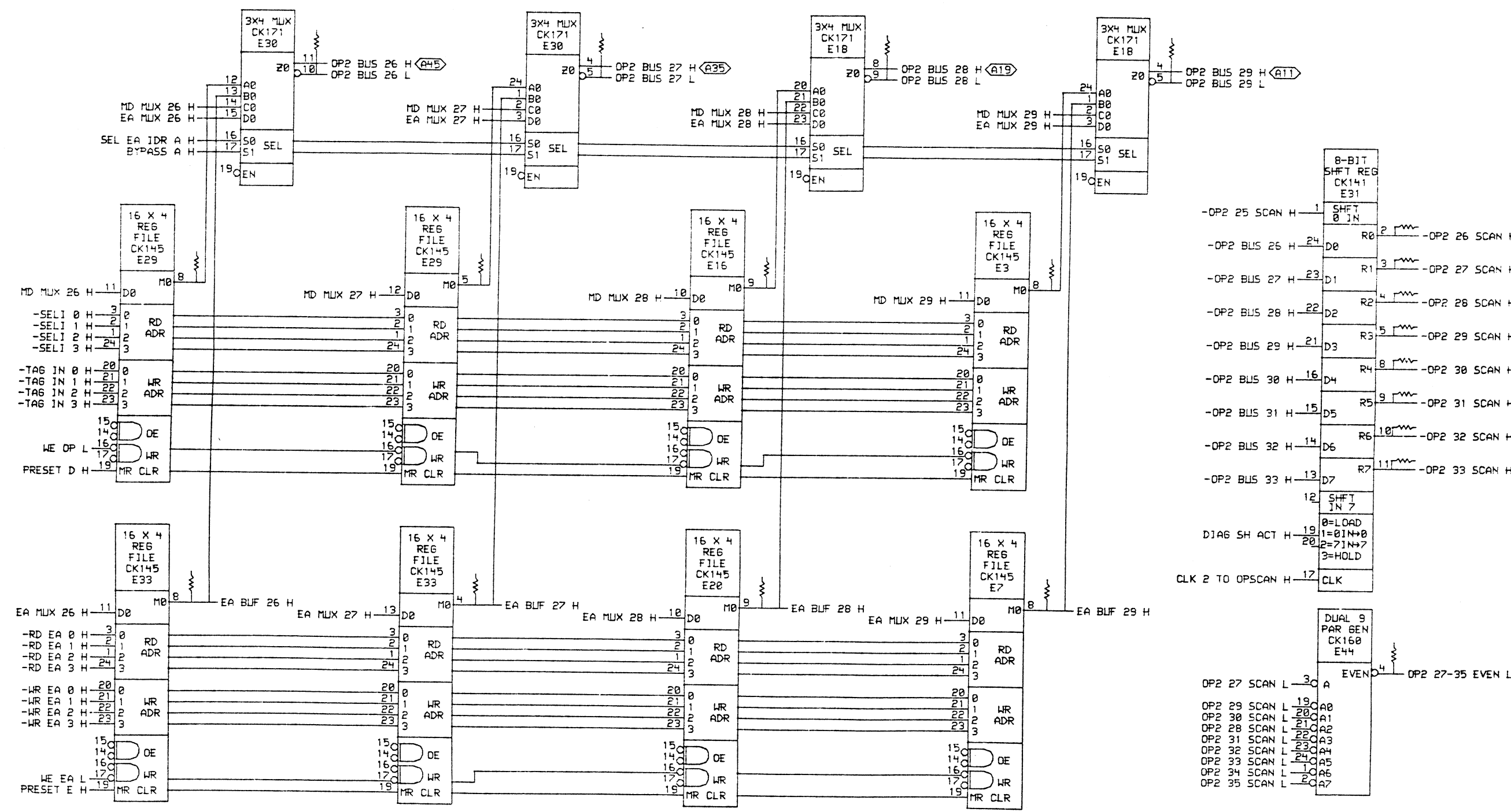


THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED IN WHOLE OR IN PART AS A BASIS FOR THE MANUFACTURE OR REPAIR OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1982, DIGITAL EQUIPMENT CORPORATION.

REVISIONS		
CHK	CHANGE NO.	REV.

digital	DRW. <i>J. J. J.</i>	DATE 04-JAN-82	ENG.	DATE	TITLE: OP2 BUS 22-25
	CHK'D.	DATE	BOARD LOCATION:	SHEET OF	
VLSI CAN: (2088-1.0056) DR2.DRW 03-FEB-81 11:48 NEXT HIGHER ASSEMBLY:					SIZE CODE NUMBER REV.

REV. NUMBER 1.0056-0.1DR2
 SIZE CODE B
 D

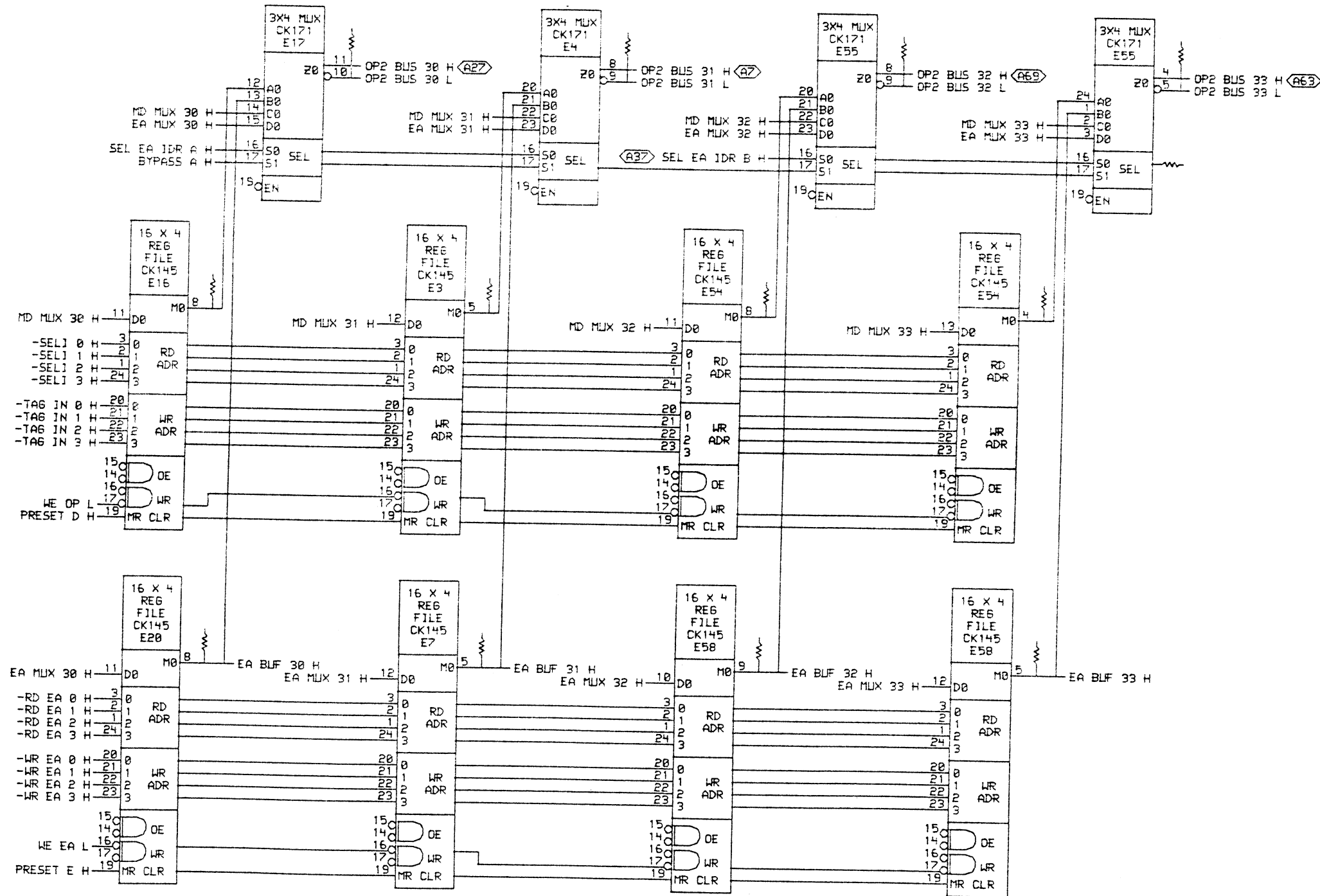


OP2 25 SCAN H	1	SHFT IN 7	
OP2 BUS 26 H	24	D0	R0
OP2 BUS 27 H	23	D1	R1
OP2 BUS 28 H	22	D2	R2
OP2 BUS 29 H	21	D3	R3
OP2 BUS 30 H	16	D4	R4
OP2 BUS 31 H	15	D5	R5
OP2 BUS 32 H	14	D6	R6
OP2 BUS 33 H	13	D7	R7
	12	SHFT IN 7	
DIAG SH ACT H	19	0=LOAD	
	20	1=0IN+0	
		2=7IN+7	
		3=HOLD	
CLK 2 TO OPSCAN H	17	CLK	
		DUAL 9 PAR GEN CK168 E44	
OP2 27 SCAN L	30	A	OP2 27-35 EVEN L
OP2 29 SCAN L	19	A0	
OP2 30 SCAN L	20	A1	
OP2 28 SCAN L	21	A2	
OP2 31 SCAN L	22	A3	
OP2 32 SCAN L	23	A4	
OP2 33 SCAN L	24	A5	
OP2 34 SCAN L	1	A6	
OP2 35 SCAN L	2	A7	

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

REVISIONS	
CHK	CHANGE NO. REV

digital	DATE ENG.	DATE	TITLE: OP2 BUS 26-29
DRN: J. Looney	DATE BOARD LOCATION:		
CHK'D.	SHEET OF		
VI CANI (E088) L0056 12IDR3.DRW	04-FEB-82 07:39	NEXT HIGHER ASSEMBLY:	SIZE CODE NUMBER REV.
FIRST USED ON OPTION/MODEL:			D CS L0056-0-1DR3

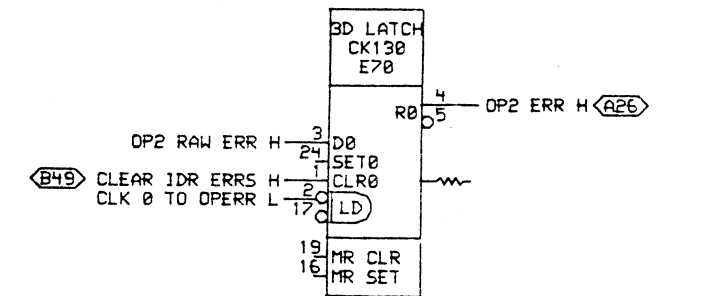
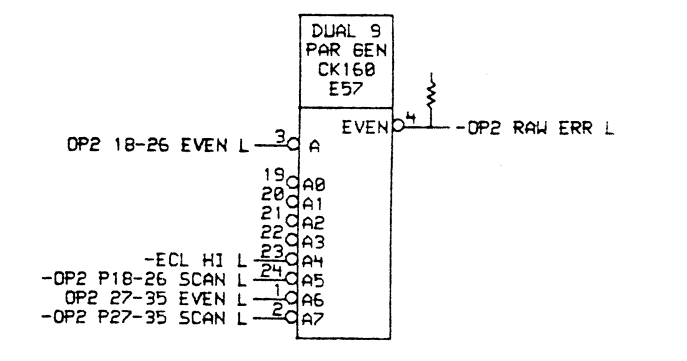
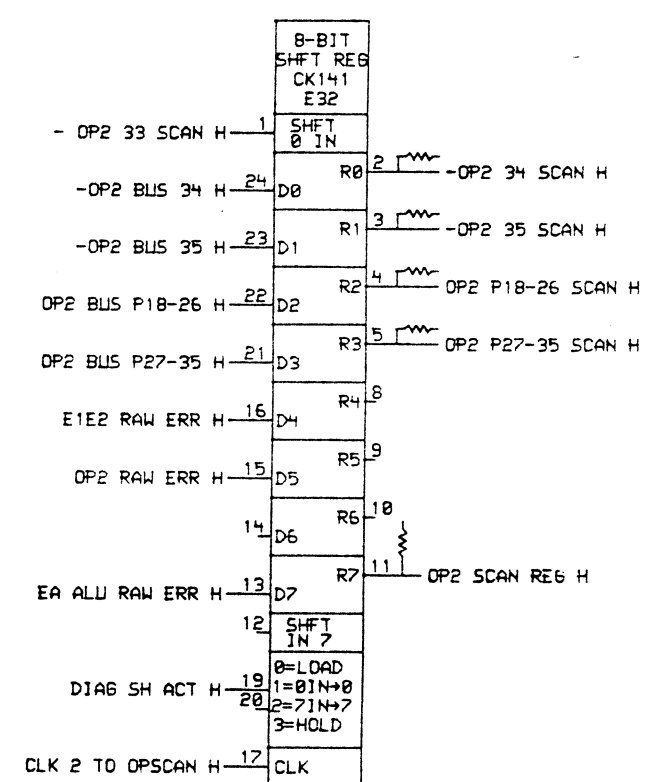
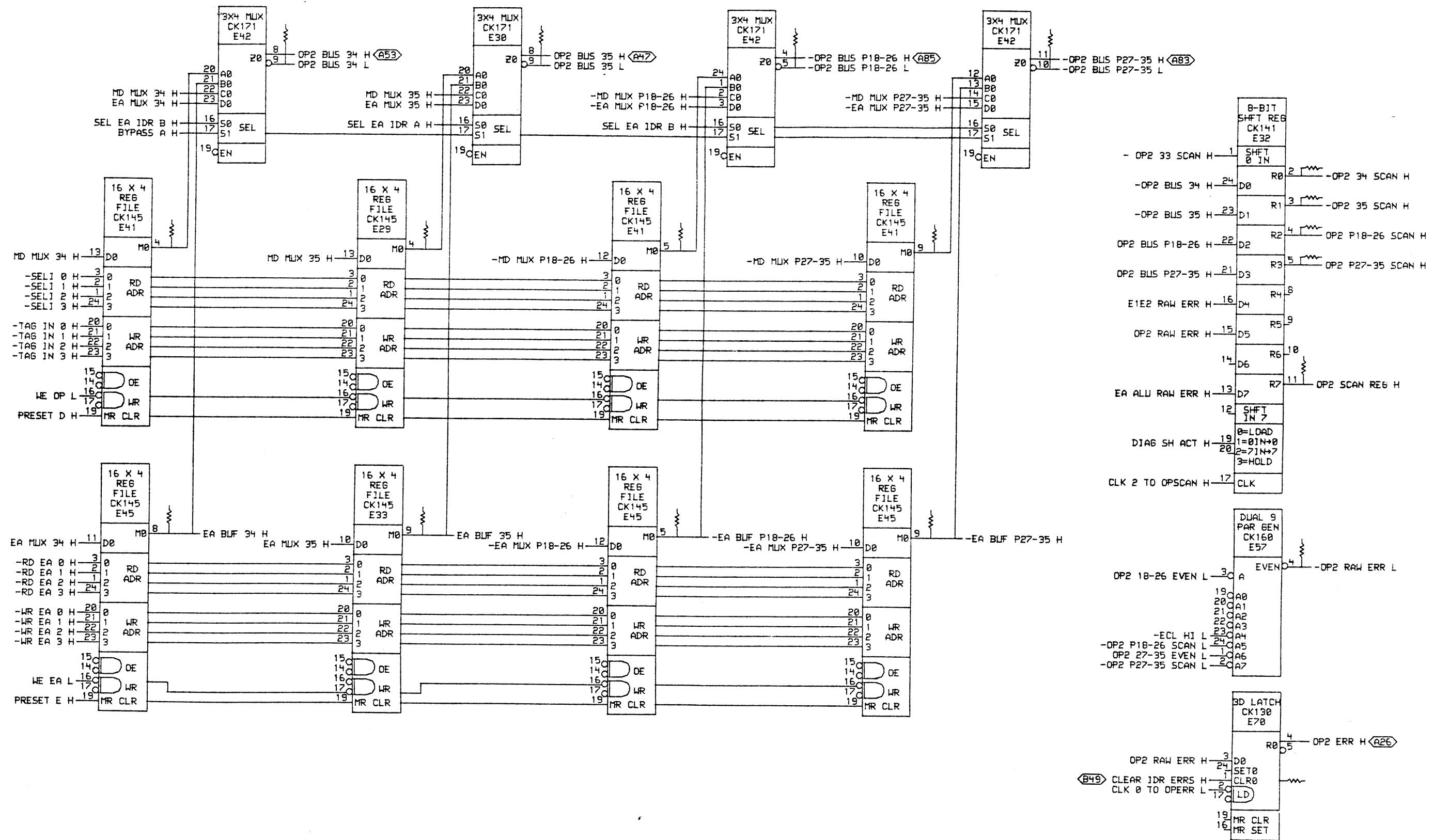


THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS A BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT (C) 1982.

REVISIONS	
CHK	CHANGE NO. REV

	DATE	ENG.	DATE	TITLE:
	01-JAN-82			OP2 BUS 30-33
CHK'D.	DATE	BOARD LOCATION:	SHEET	OF
VLL:CAN: (2000-1-0056) DRW. 103-FEB-81 11:48 NEXT HIGHER ASSEMBLY:				SIZE CODE
		NUMBER		REV.

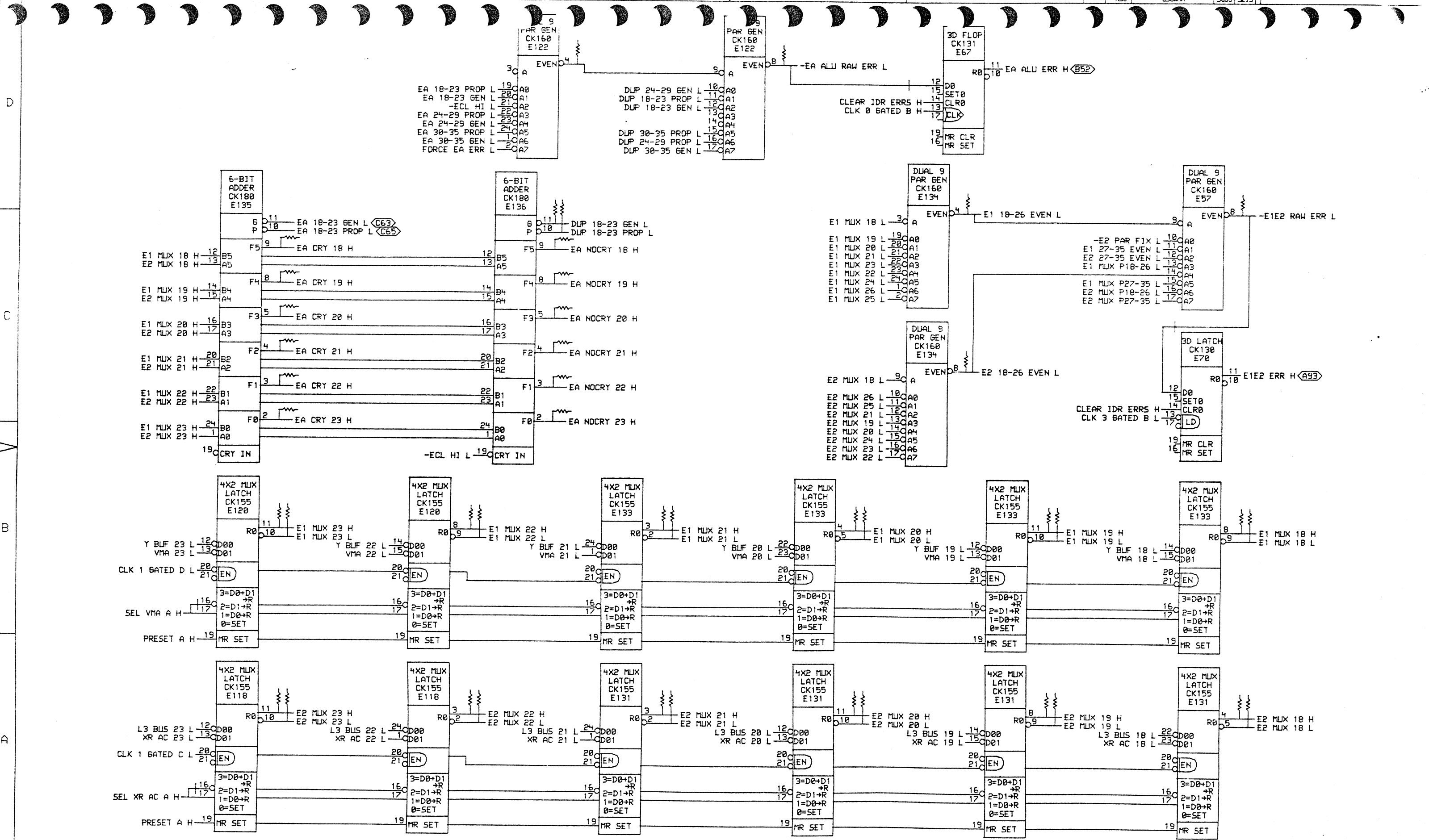
REV. NUMBER L0056-0-10R4
 SIZE CODE CS
 CD



THIS DRAWING AND SPECIFICATIONS 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 © 1982, DIGITAL EQUIPMENT CORPORATION.

REVISIONS		
CHK	CHANGE NO.	REV

	DRN. <i>J. J. J.</i>	DATE 05-FEB-82	ENG.	DATE	TITLE: OP2 BUS 34, 35, P18-26, P27-35
	CHK'D.	DATE	BOARD LOCATION:	SHEET	OF
VLE CANI (P080) L0056-12IDR5.DRW 04-FEB-82 07:43			NEXT HIGHER ASSEMBLY:		SIZE CODE NUMBER
FIRST USED ON OPTION/MODEL:			D		CS L0056-0-IDR5

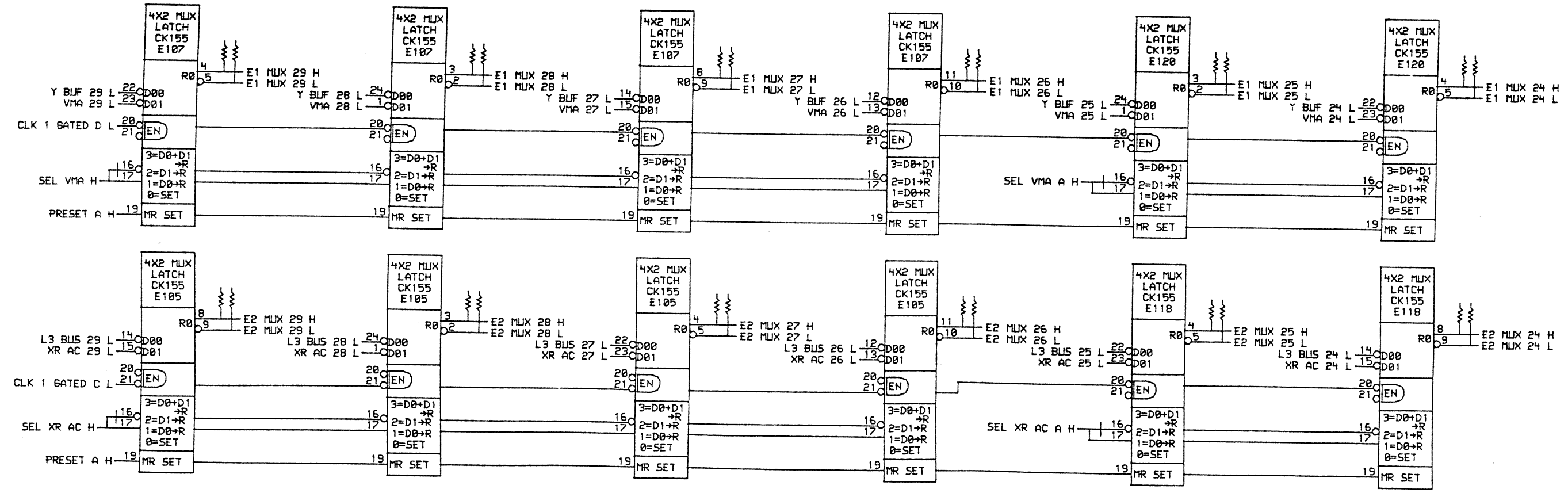
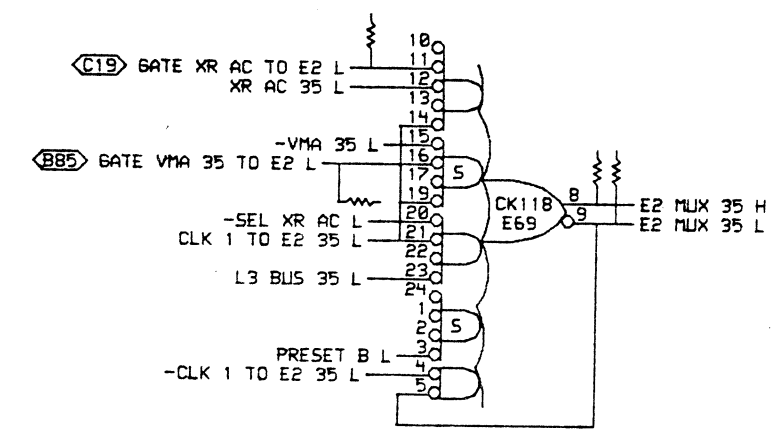
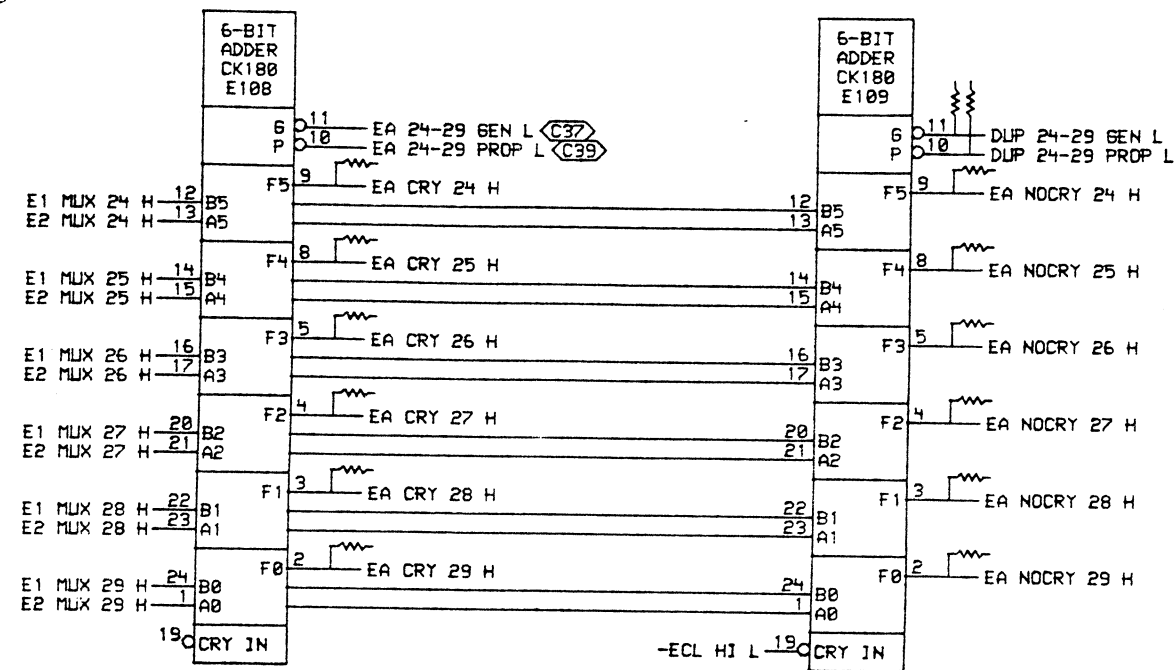


THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1982, DIGITAL EQUIPMENT CORPORATION.

REVISIONS	
CHK	CHANGE NO. REV

	DRW. <i>J. L. L...</i>	DATE 05-FEB-82	ENG.	DATE	TITLE: EA ALU 18-23
	CHK'D.	DATE	BOARD LOCATION: SHEET OF	NEXT HIGHER ASSEMBLY:	SIZE CODE D CS
V.L. CAN (2880-L0056) 121DR6 DRW 04-FEB-82 08:18		FIRST USED ON OPTION/MODEL:		NUMBER L0056-0-IDR6	REV.

SIZE CODE	D CS
NUMBER	L0056-0-IDR6
REV.	



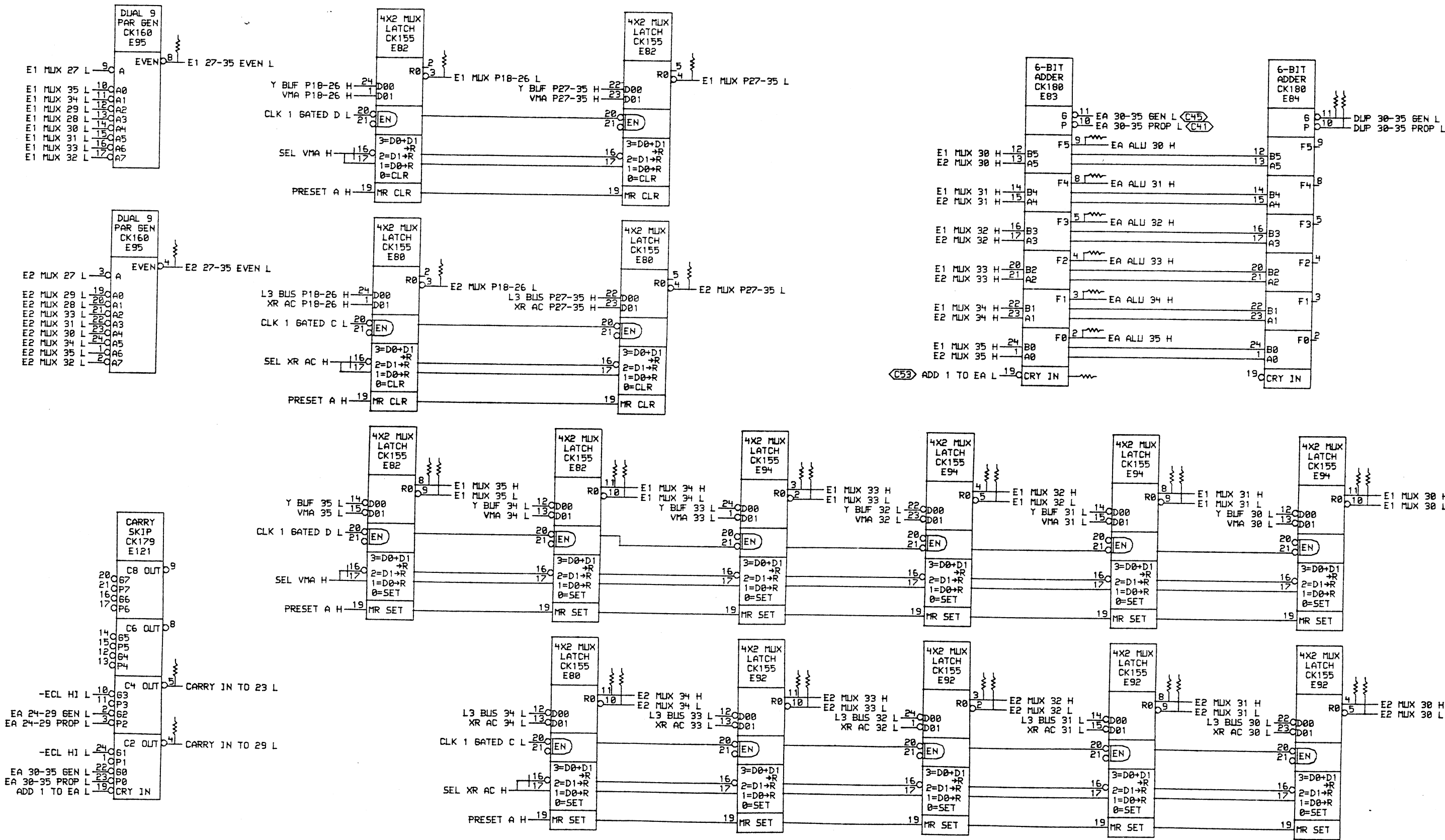
THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1982. DIGITAL EQUIPMENT CORPORATION.

REVISIONS		
CHK	CHANGE NO.	REV

digital DRW. *J. J. J.* DATE 05-FEB-82 ENG. DATE 05-FEB-82 TITLE: EA ALU 24-29

CHK'D. DATE BOARD LOCATION: SHEET OF

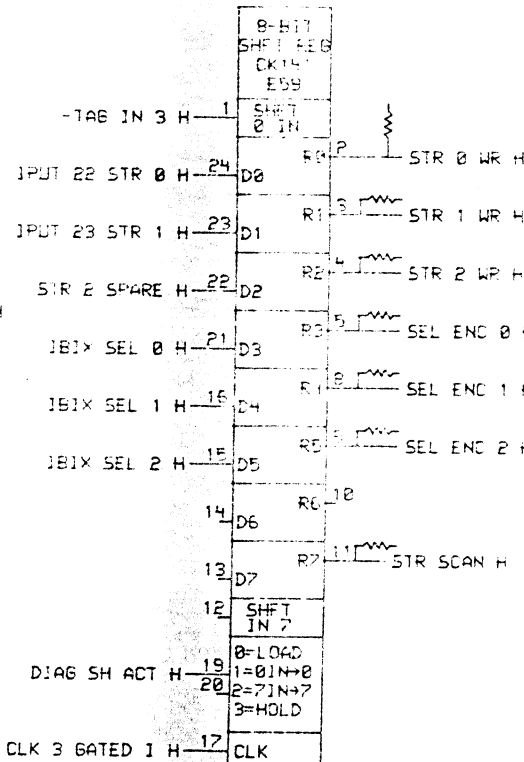
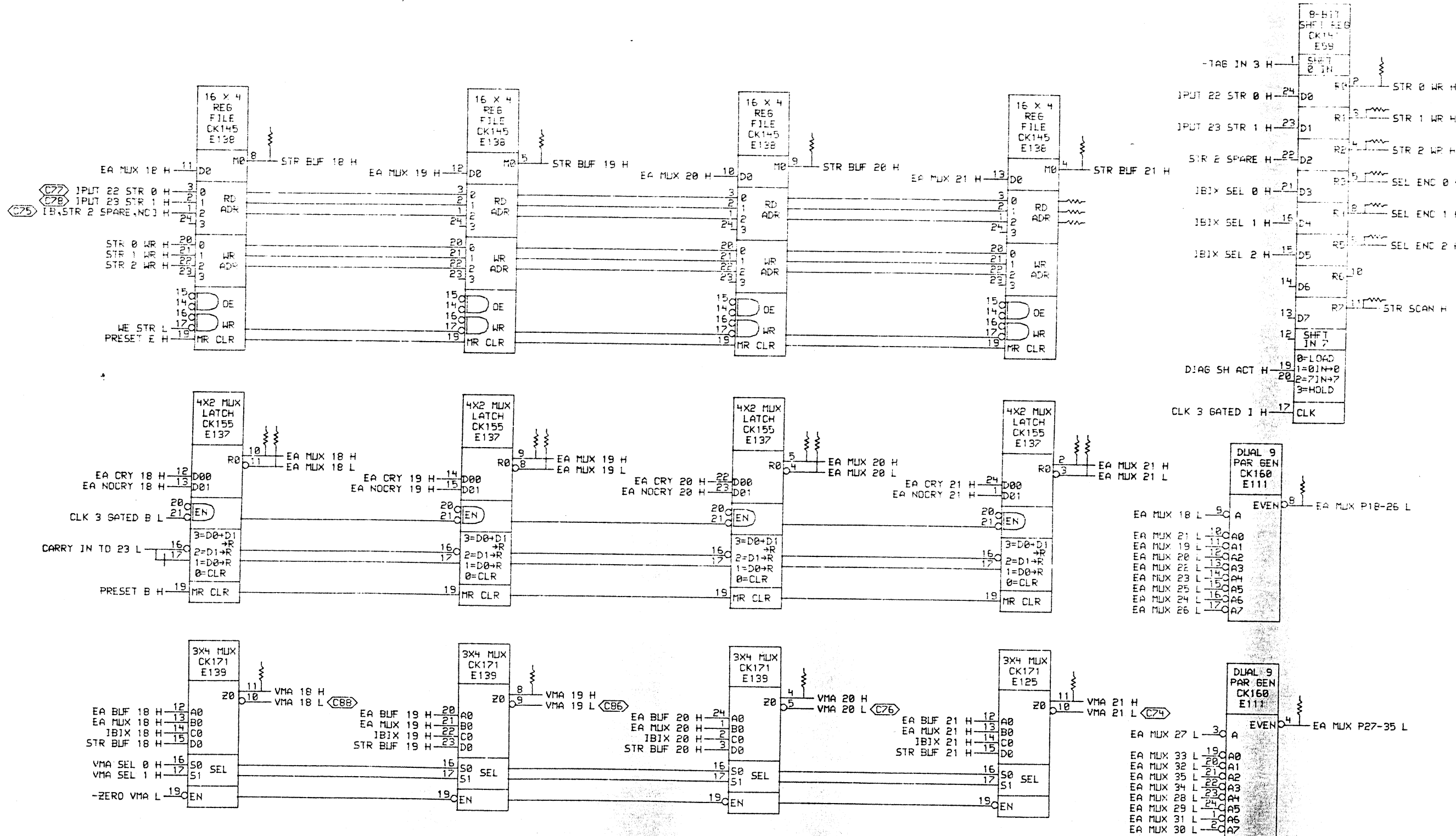
VULCAN (2880) L0056-0-1DR7.DRW 04-FEB-82 08:20 NEXT HIGHER ASSEMBLY: SIZE CODE NUMBER REV. D CS L0056-0-1DR7



THIS DRAWING AND SPECIFICATIONS 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 © 1982 - DIGITAL EQUIPMENT CORPORATION.

REVISIONS		
CHK	CHANGE NO.	REV

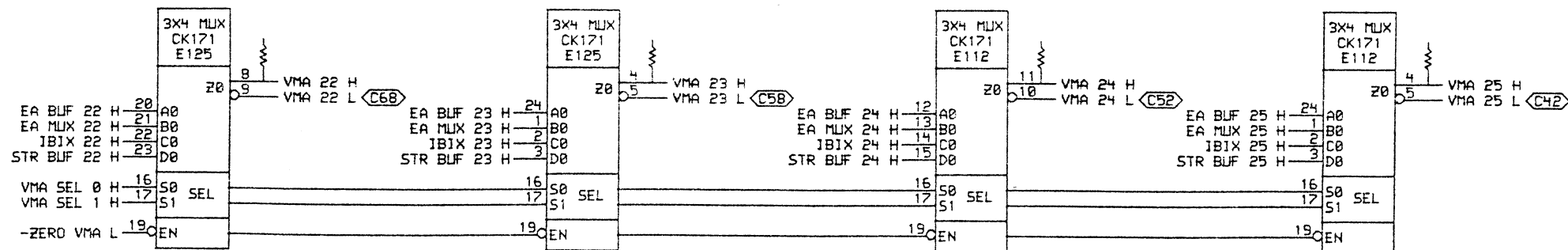
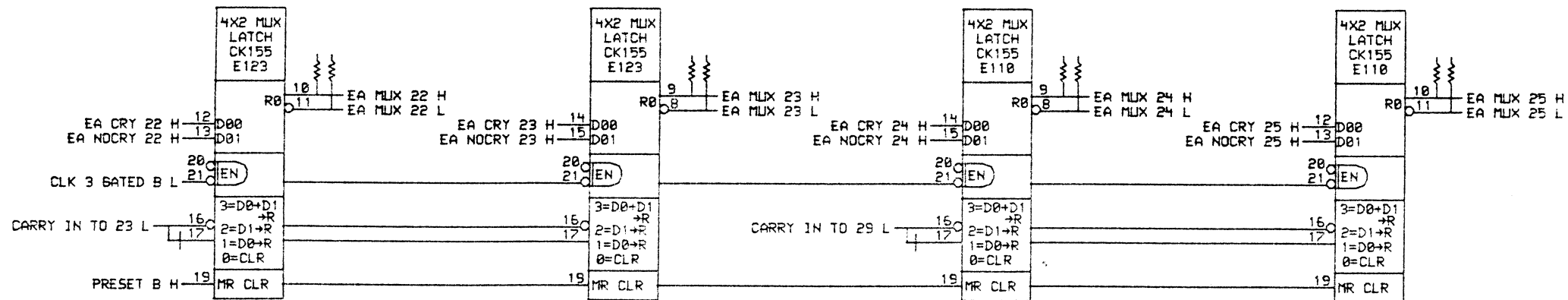
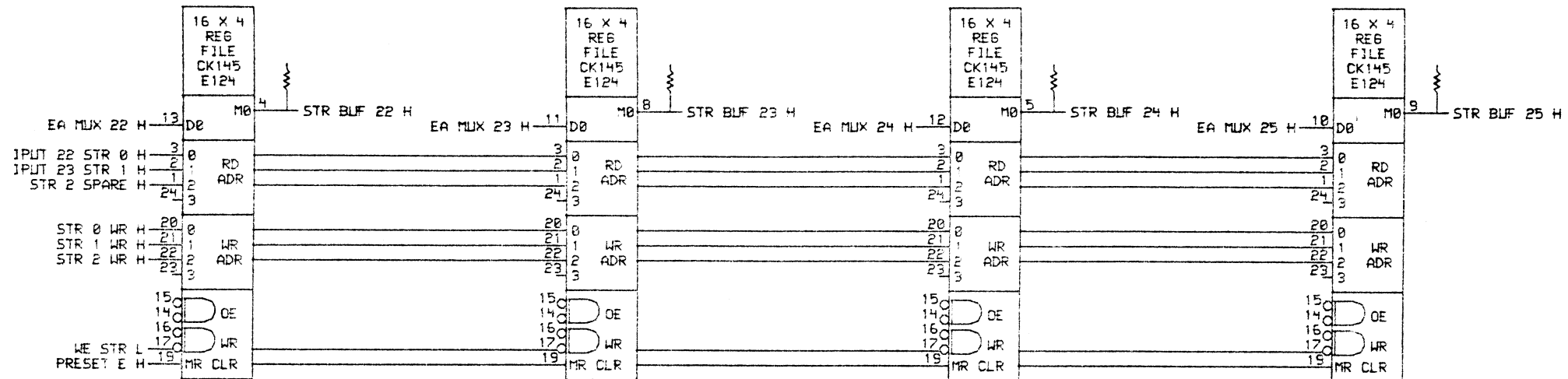
		DATE: 05-FEB-82 DATE: 04-FEB-82 08:44 FIRST USED ON OPTION/MODEL:	ENG. NAME: J. J. J. DATE: 05-FEB-82 DATE: 04-FEB-82 08:44 NEXT HIGHER ASSEMBLY:	TITLE: EA ALU 30-35 SHEET: OF	SIZE: D CODE: CS NUMBER: L0056-0-IDR8 REV.:
--	--	---	--	----------------------------------	--



THIS DRAWING AND SPECIFICATIONS 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 © 1967.

REVISIONS		
CHK	CHANGE NO.	REV

digital	DATE	ENG.	DATE	TITLE:
	01 JAN 62			VMA 18-21
CHK'D.	DATE	BOARD LOCATION:	SHEET 06 OF 06	
DR. J. J. J. J.	15 MAY 61	1521	NEXT HIGHER ASSEMBLY:	
			SIZE	CODE
			NUMBER	REV.



REVISIONS	
CHK	CHANGE NO. REV

digital

DATE 01-JAN-82

DATE 03-FEB-81 11:49

ENG. DATE

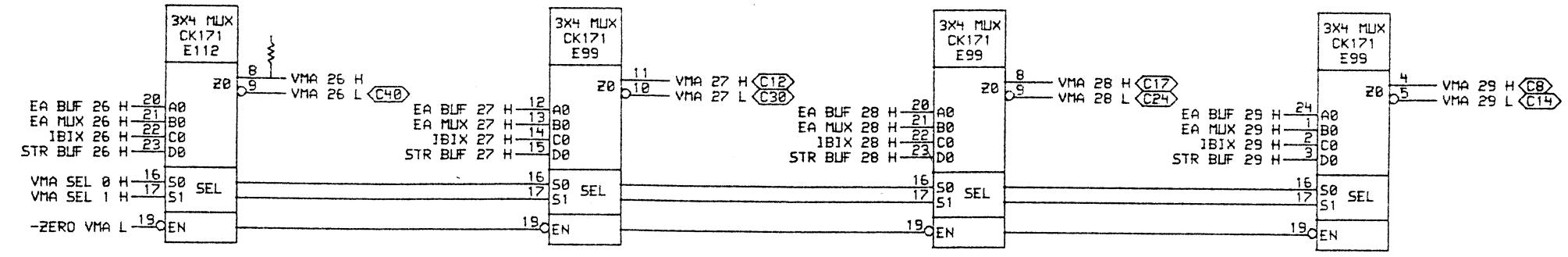
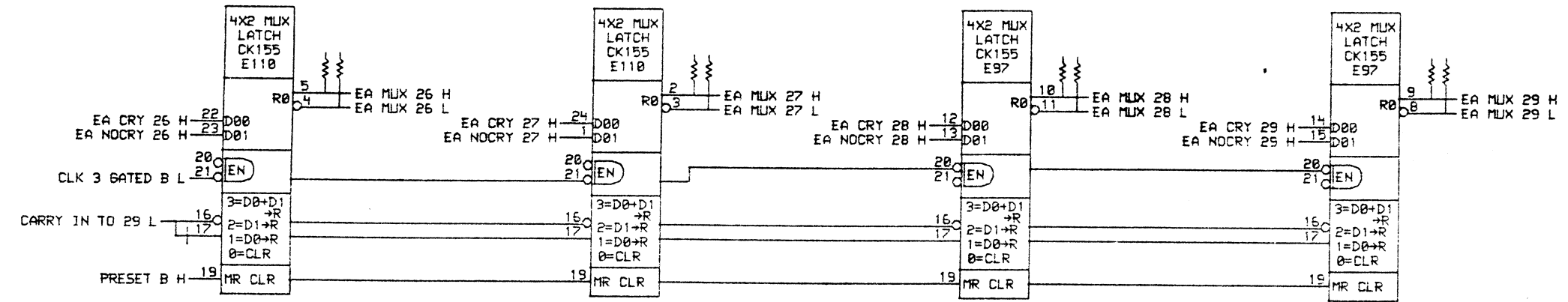
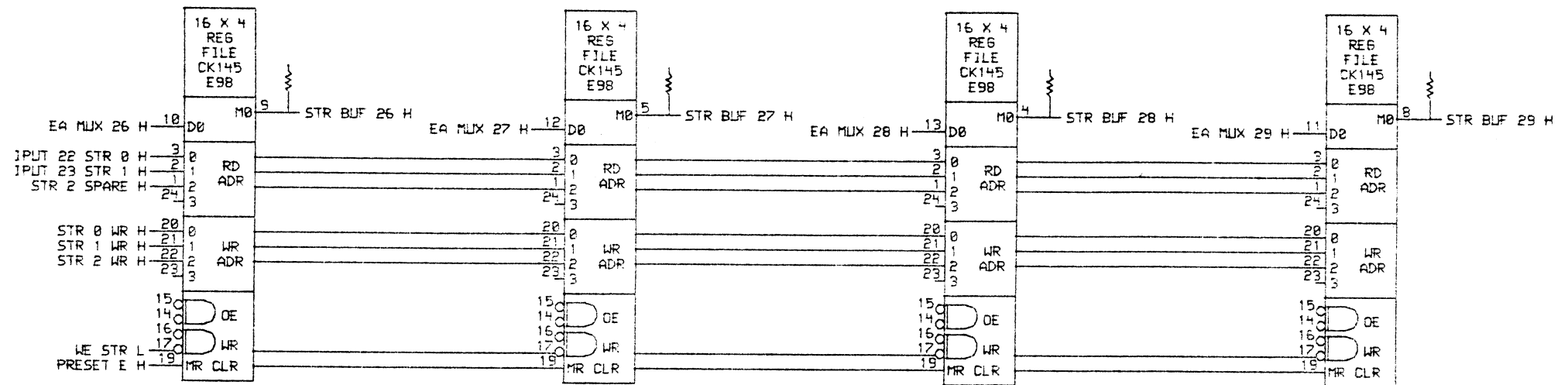
CHK'D.

TITLE: VMA 22-25

BOARD LOCATION: SHEET OF

SIZE CODE NUMBER REV.

10056-0-1DRA



THIS DRAWING AND SPECIFICATIONS 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 © 1982.

REVISIONS	
CHK	CHANGE NO. REV

digital

DATE: 04-JAN-82

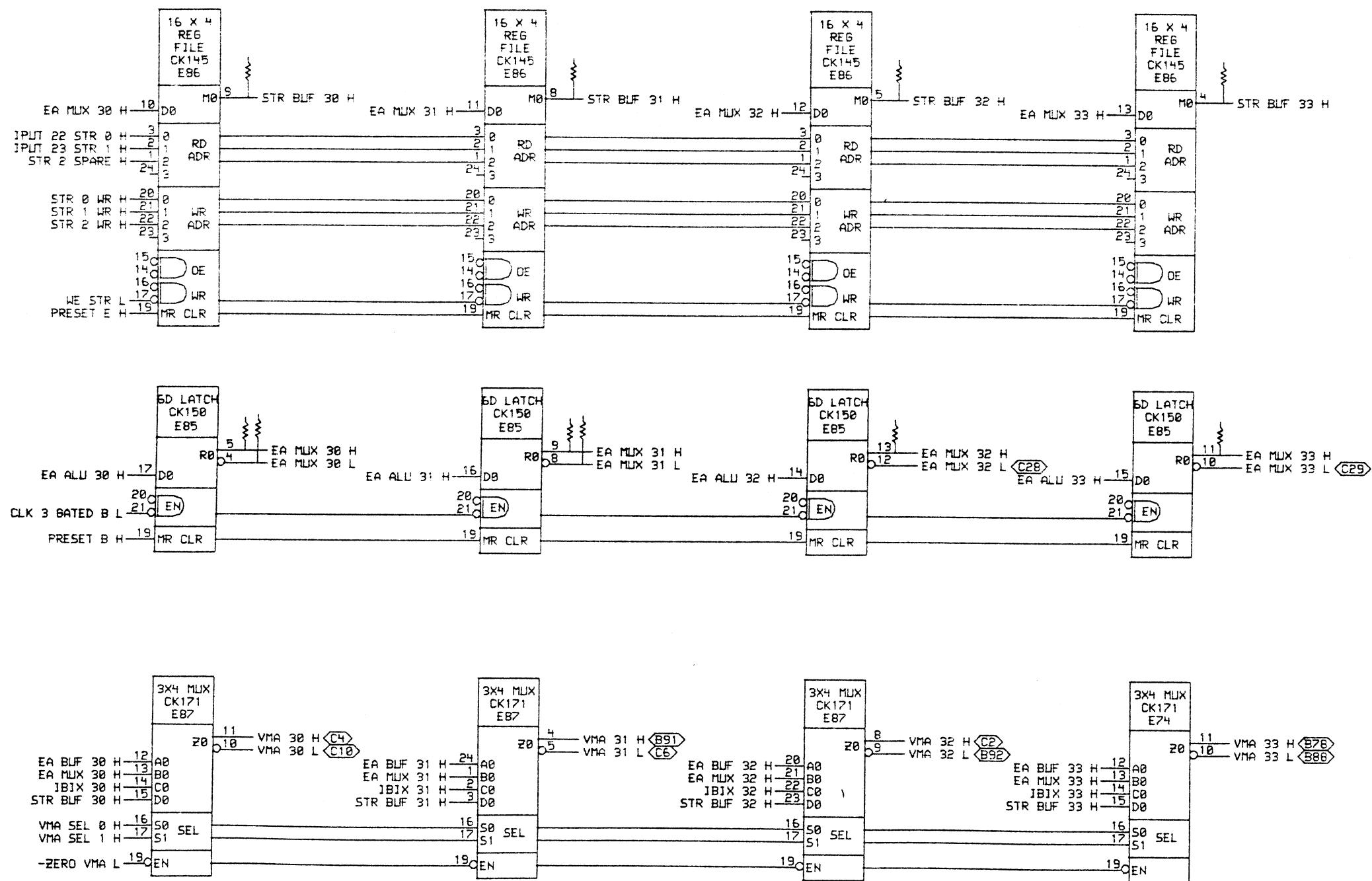
ENG. DATE: 03-FEB-81 11:49

TITLE: VMA 26-29

BOARD LOCATION: SHEET OF

SIZE: CODE: NUMBER: REV.

NUMBER: 26-1000



REV. NUMBER L0056-B-IDRC

D

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 © 1982.

REVISIONS		
CHK	CHANGE NO.	REV

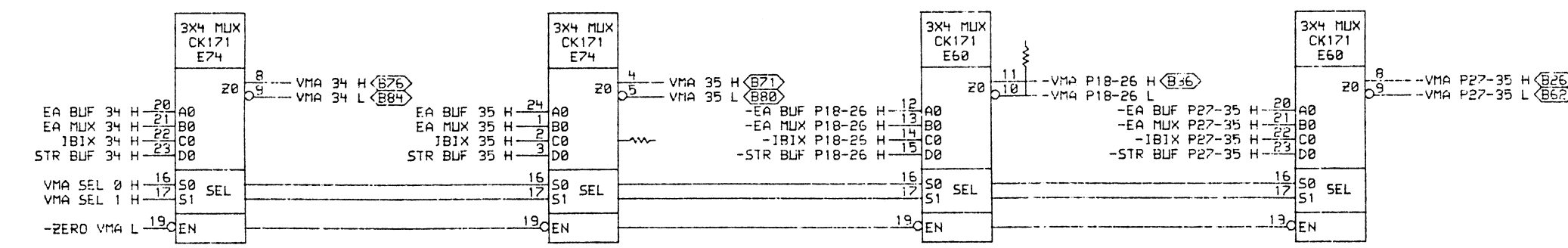
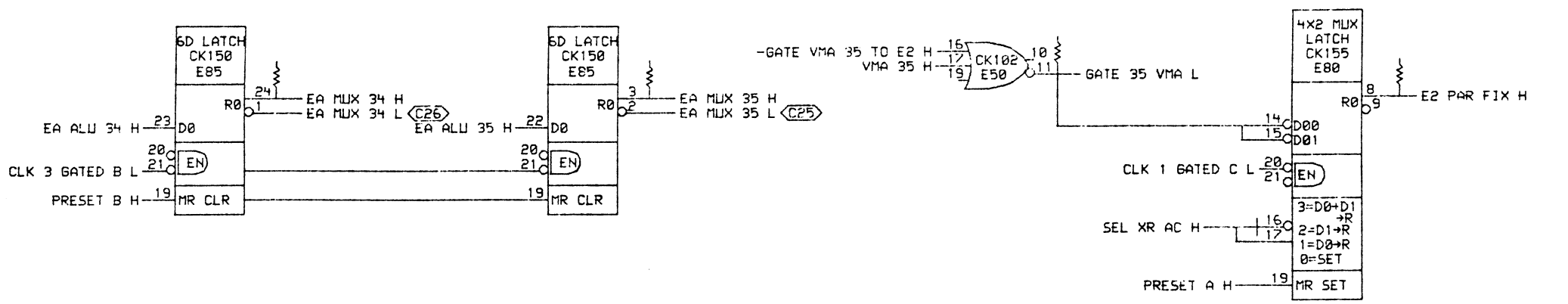
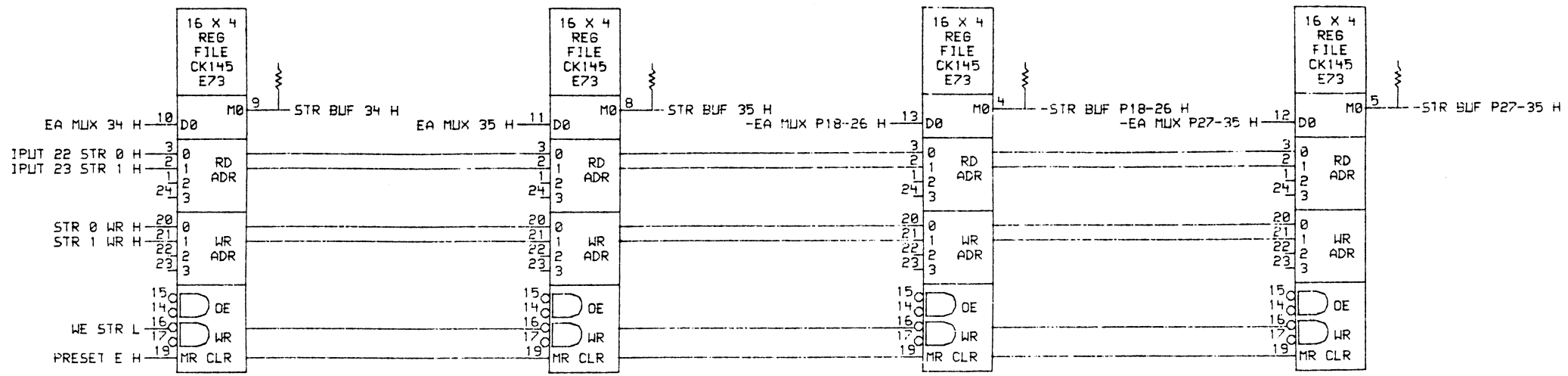
digital

DRW. J. J. J. CHK'D.

DATE 01-JAN-82 ENG. DATE BOARD LOCATION: SHEET OF

TITLE: VMA 26-29

30 33



THIS DRAWING AND SPECIFICATIONS 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 © 1982, DIGITAL EQUIPMENT CORPORATION.

REVISIONS		
CHK	CHANGE NO.	REV

DATE: 12-FEB-82
 ENG. NAME: J. J. J. J.
 DATE: 12-FEB-82
 BOARD LOCATION: SHEET 2
 NEXT HIGHER ASSEMBLY: 09-FEB-82 21:22

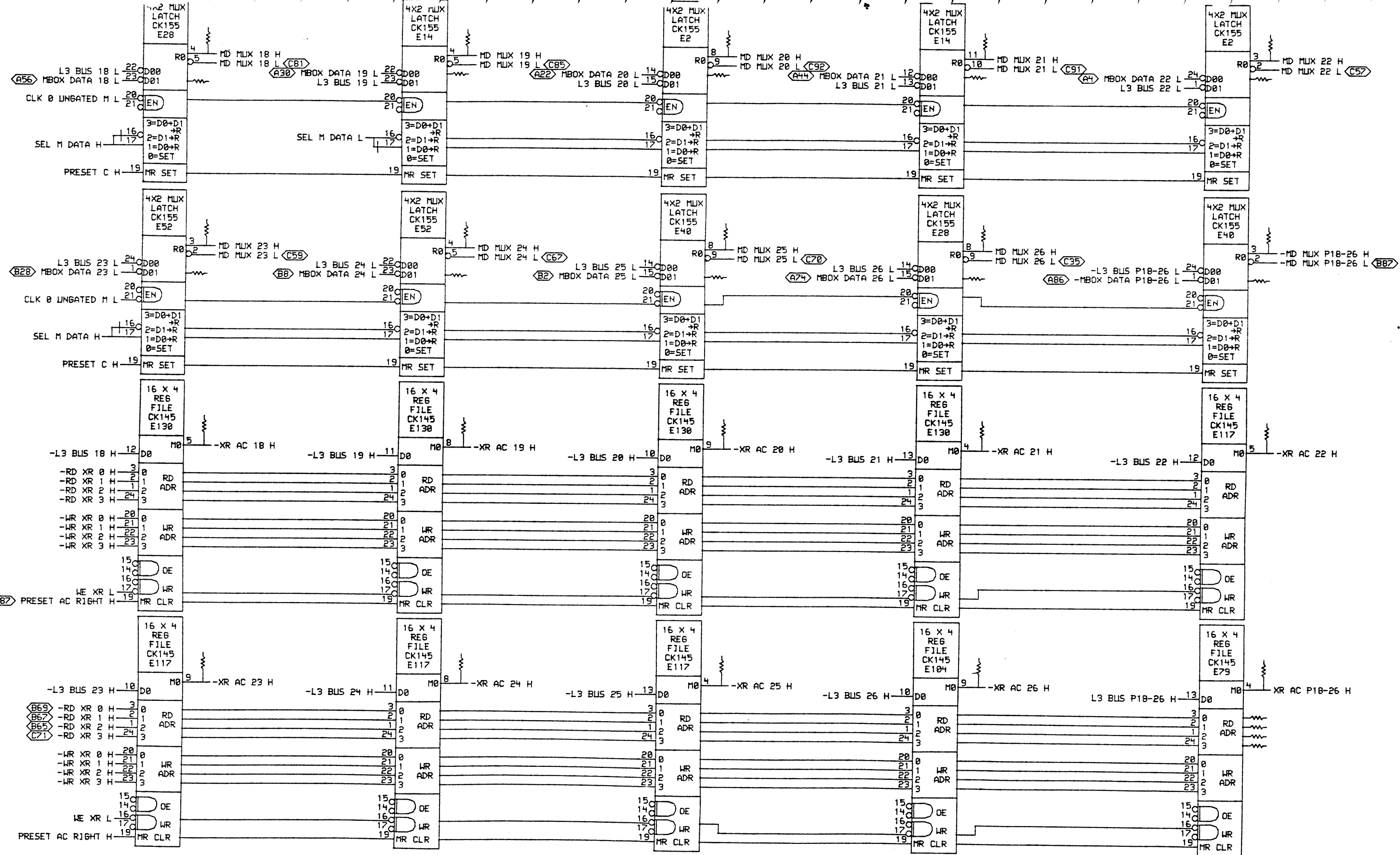
TITLE:	VMA 34-35		
SIZE	CODE	NUMBER	REV.
D	CS	L0056-0-IDRD	

D

C

B

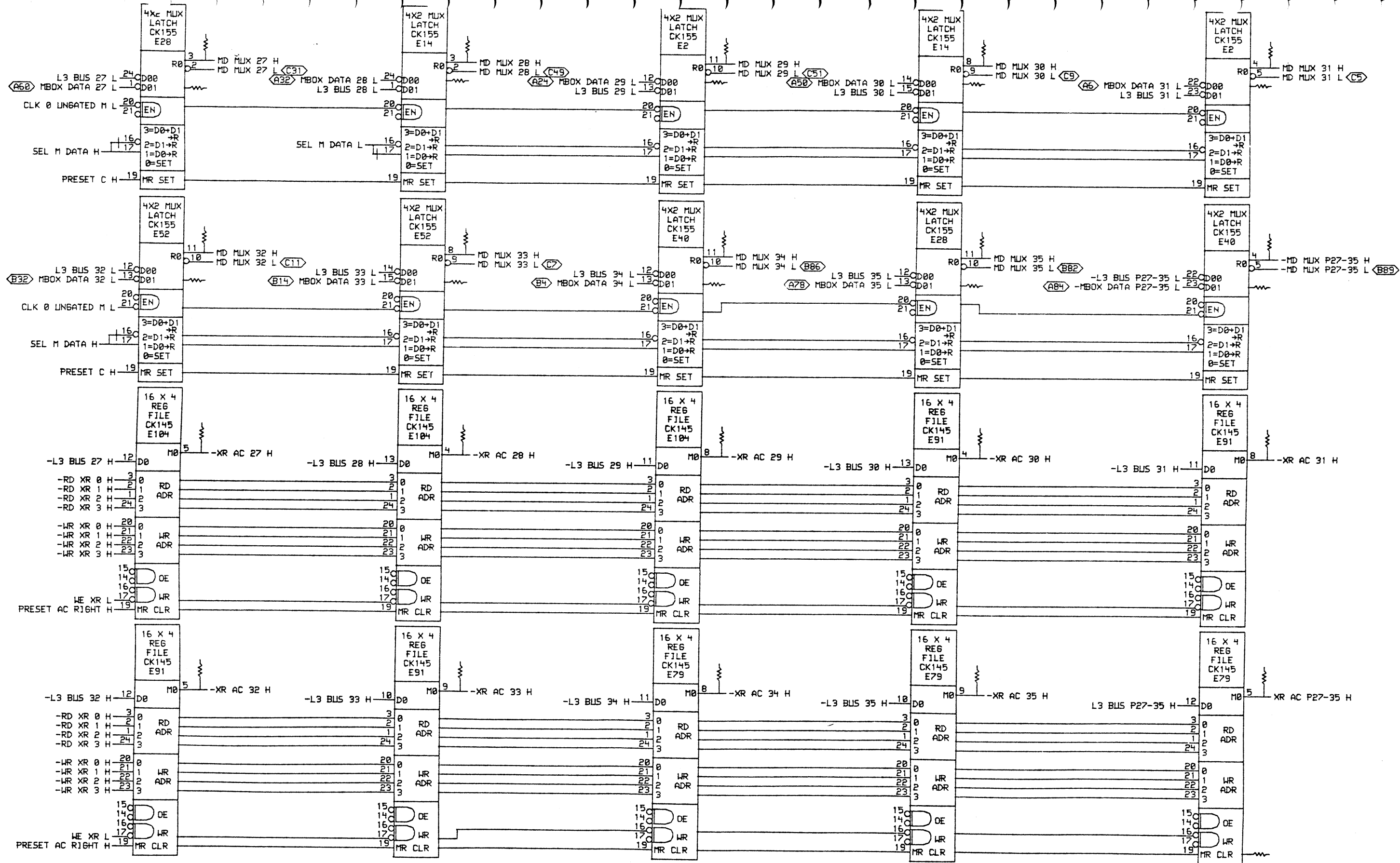
A



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 © 1982, DIGITAL EQUIPMENT CORPORATION.

REVISIONS	CHK	CHANGE NO.	REV

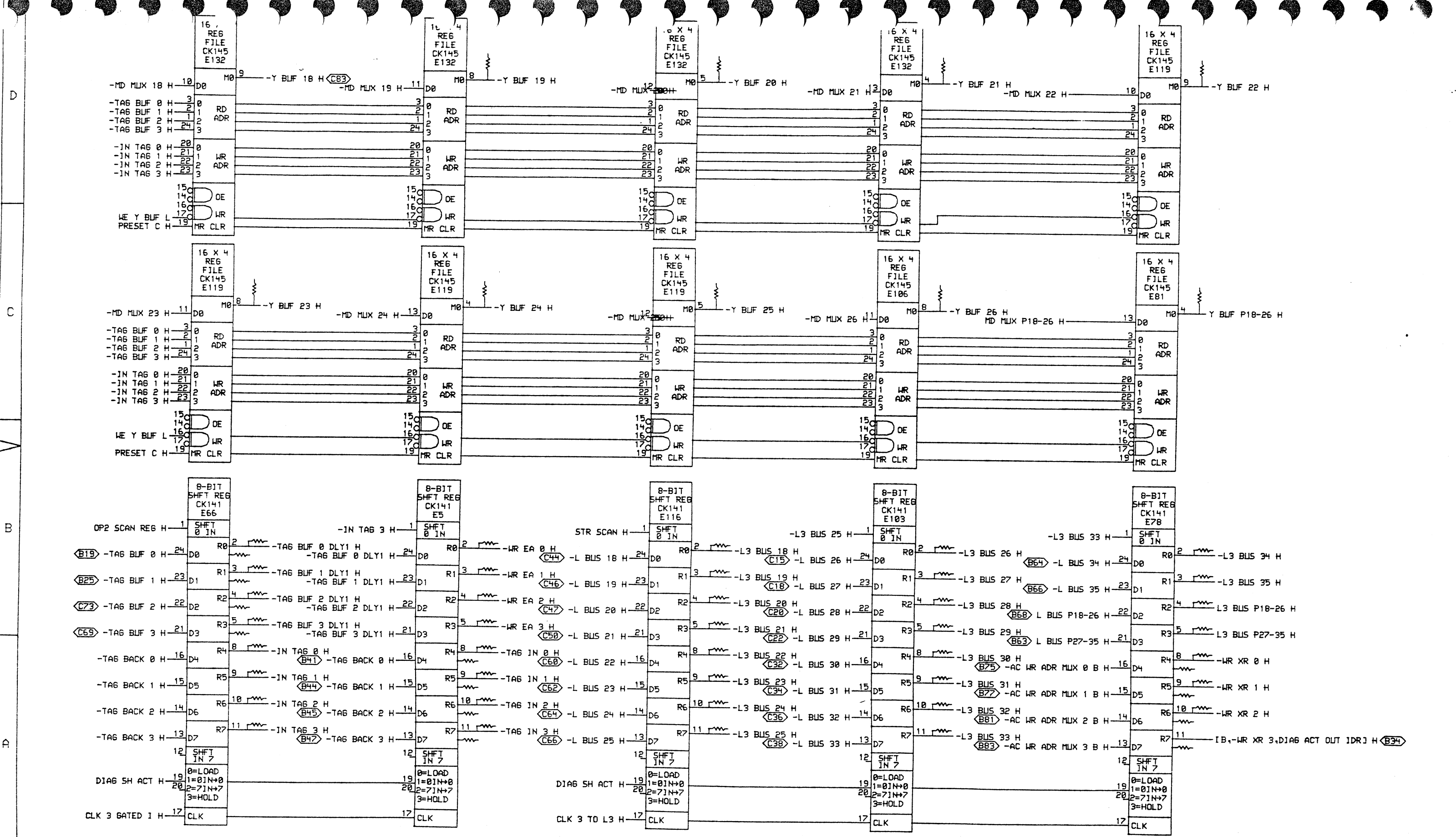
	DRN. <i>J. Looney</i>	DATE ENG. 03-FEB-82	DATE	TITLE: XR, MD 18-26 P18-26
	CHK'D.	DATE BOARD LOCATION: SHEET OF		
VLLCAN1 (P288) L0056712IDRE.DRW 104-FEB-82 09:04 NEXT HIGHER ASSEMBLY:		SIZE CODE D CS	NUMBER L0056-0-IDRE	REV.



THIS DRAWING AND SPECIFICATIONS 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 © 1982 DIGITAL EQUIPMENT CORPORATION

REVISIONS		
CHK	CHANGE NO.	REV.

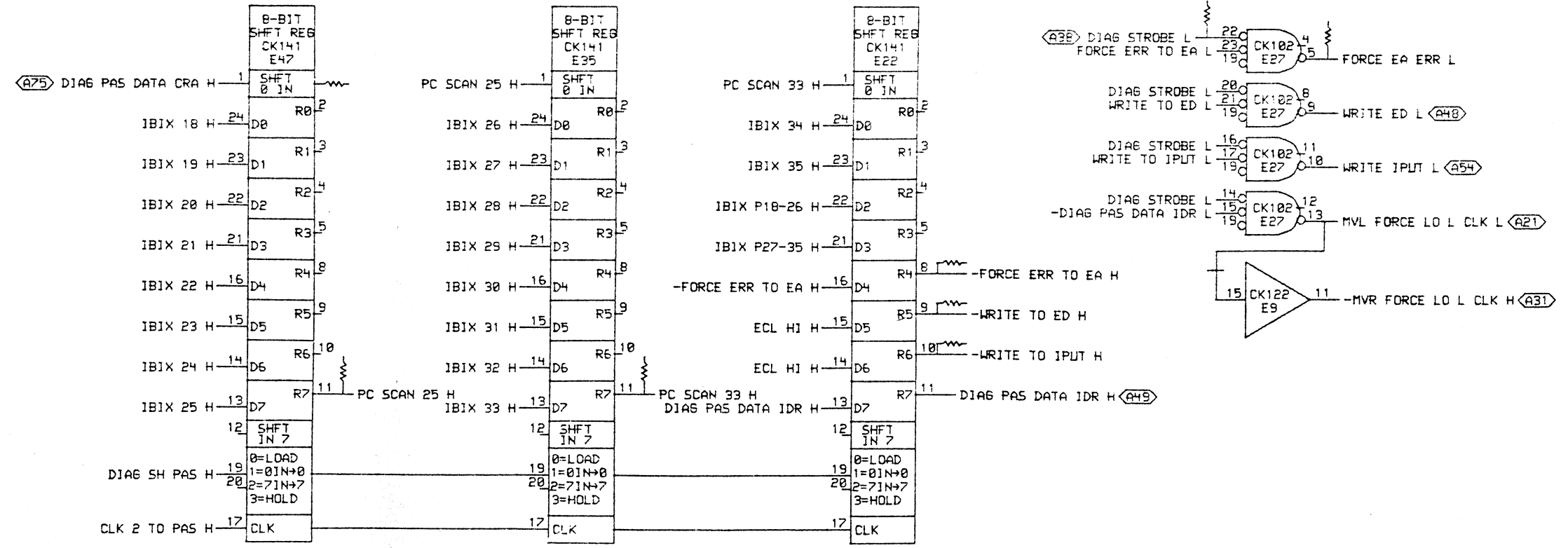
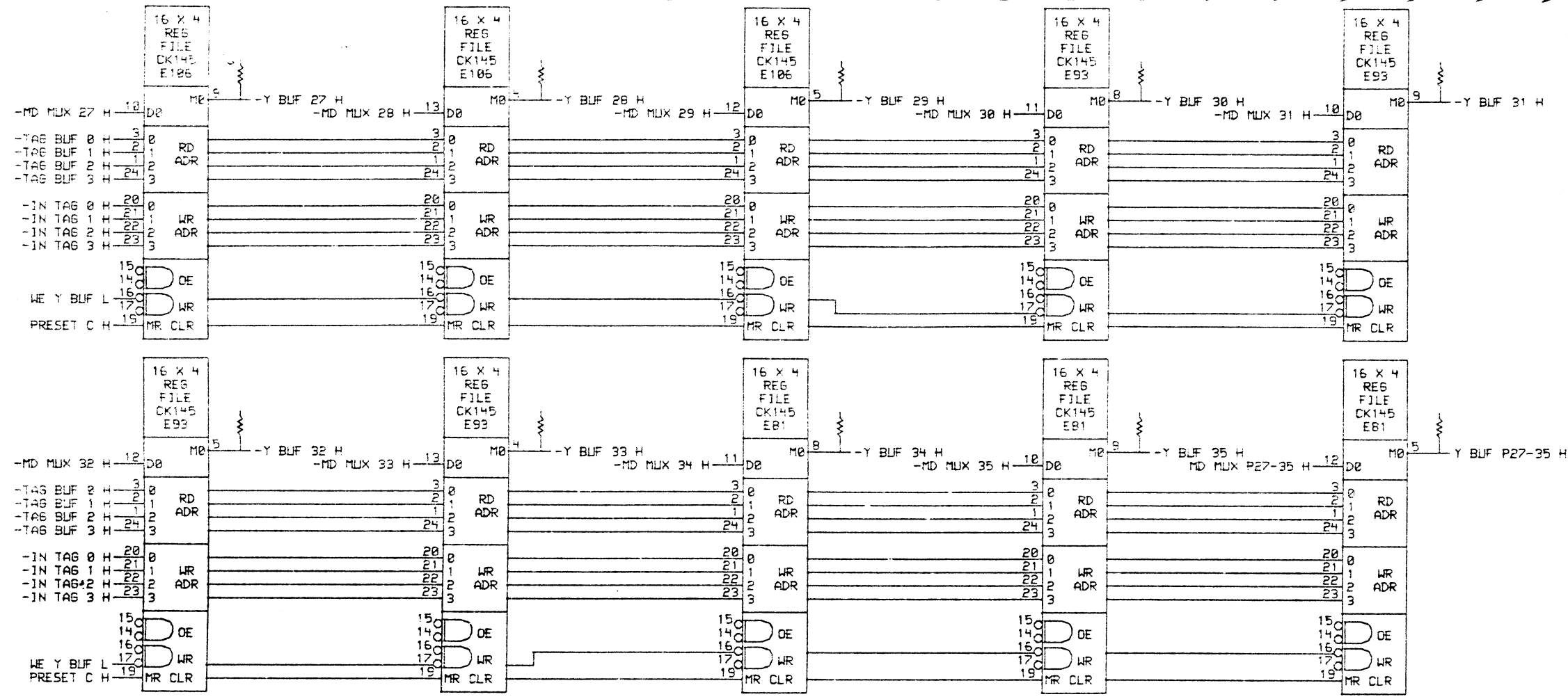
	DATE	ENG.	DATE	TITLE:
	05-FEB-82			XR, MD 27-35 P27-35
CHK'D.	DATE	BOARD LOCATION:	SHEET	OF
04-FEB-82 09:10				
FIRST USED ON OPTION/MODEL:	NEXT HIGHER ASSEMBLY:	SIZE	CODE	NUMBER
		D	CS	L0056-0-IDRF



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 © 1982, DIGITAL EQUIPMENT CORPORATION.

REVISIONS	
CHK	CHANGE NO. REV

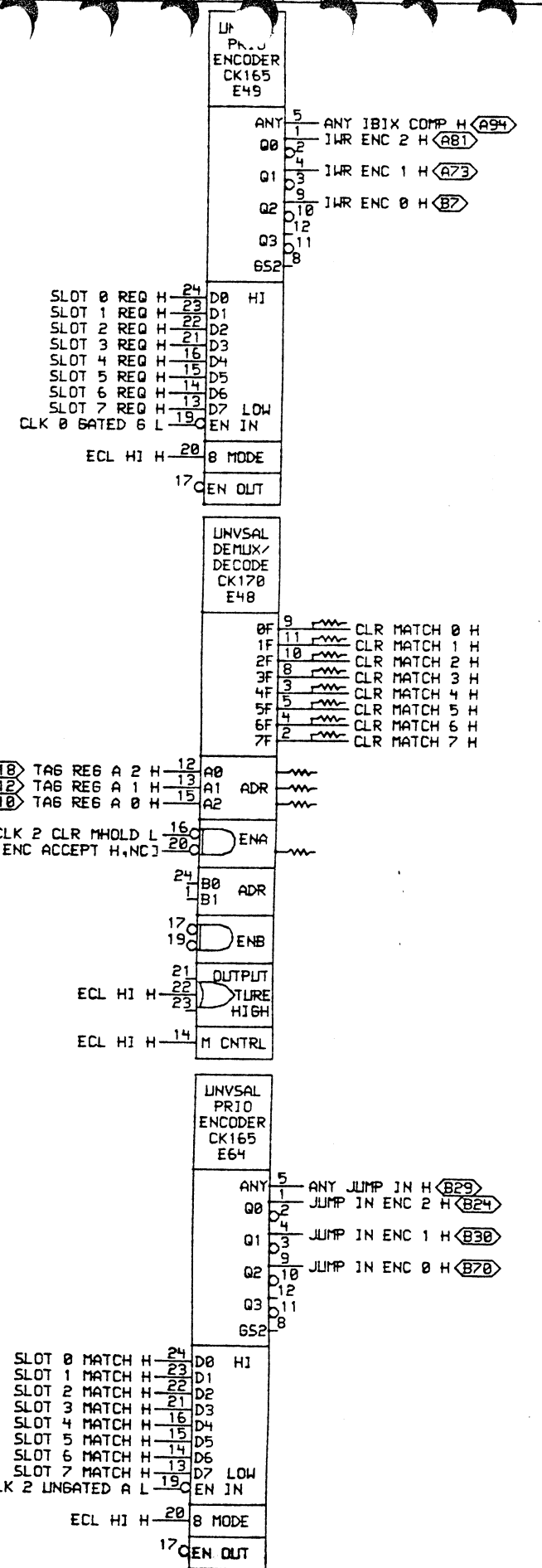
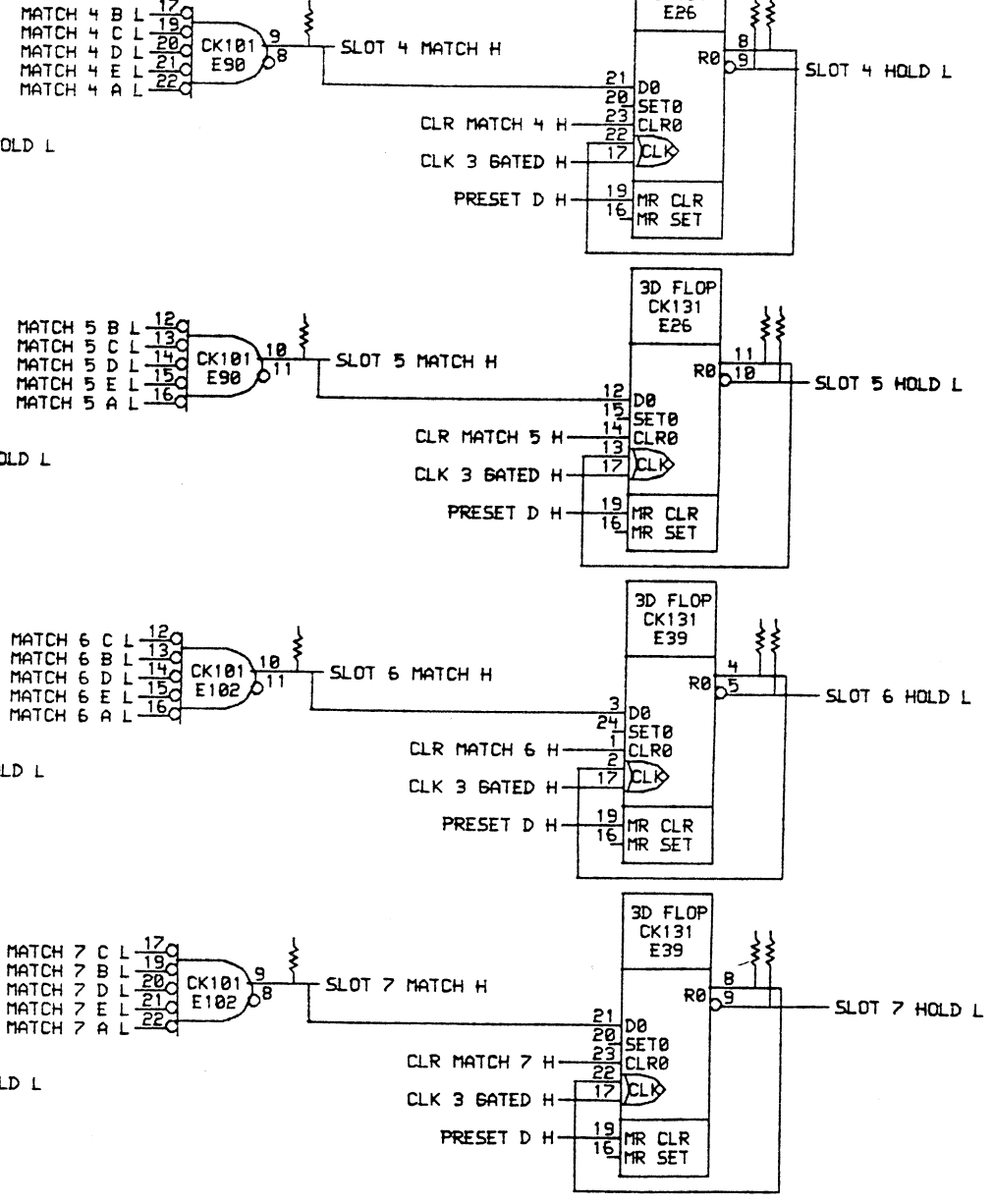
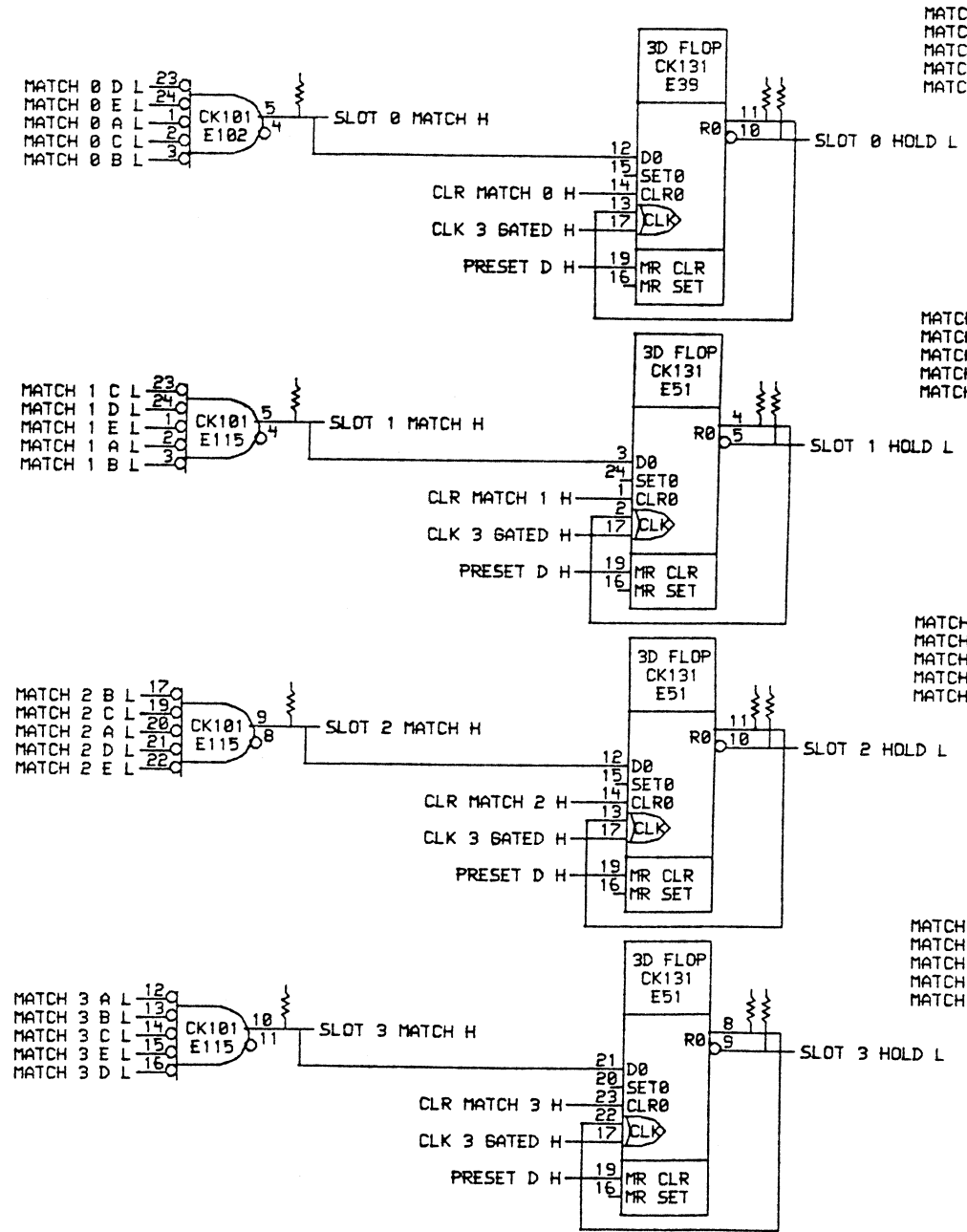
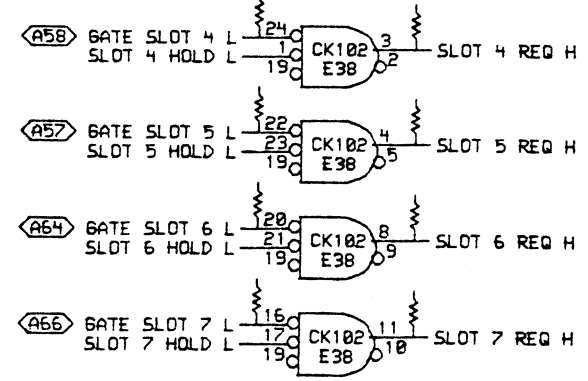
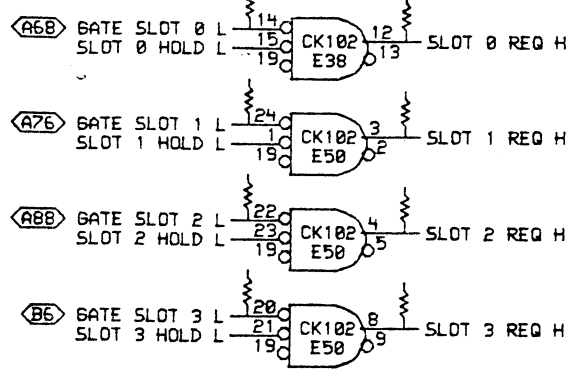
	DATE: 05-FEB-82	ENG.:	DATE:	TITLE: Y BUF 18-26
	DATE: 04-FEB-82 09:42	BOARD LOCATION: SHEET	OF:	
FIRST USED ON OPTION/MODEL:	NEXT HIGHER ASSEMBLY:	SIZE CODE: D CS	NUMBER: L0056-0-IDRG	REV.:



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

REVISIONS	
CHK	CHANGE NO. REV

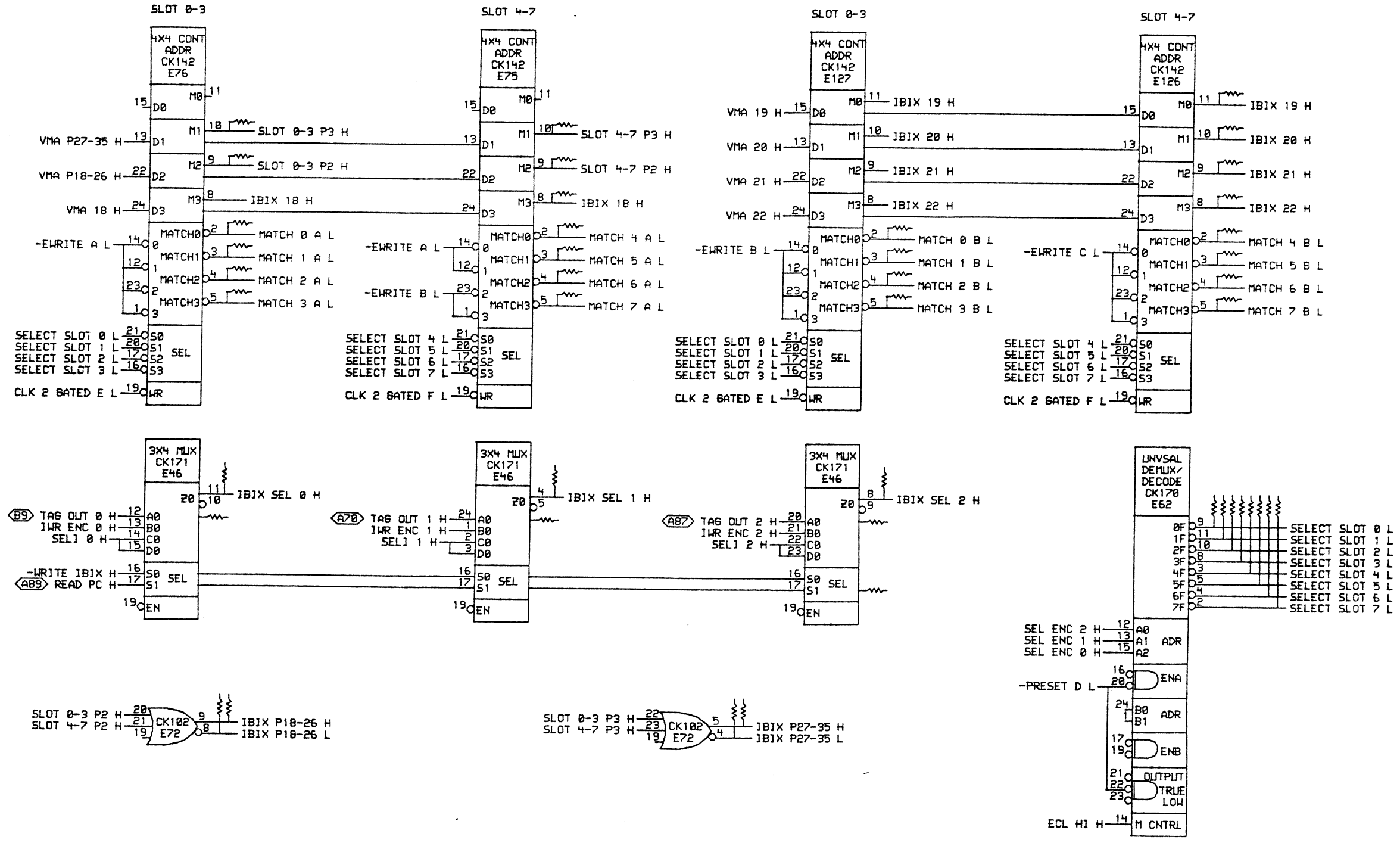
digital	DATE	ENG.	DATE	TITLE:
	01-JAN-82	J. Jambly		Y BUF 27-35 P27-35
	DATE	BOARD LOCATION:		
		SHEET	OF	
VIL CAN < 208 > L 0054-21 DRH 23-JUN-81 21:30	NEXT HIGHER ASSEMBLY:	SIZE	CODE	NUMBER
		D	06	0056-0-1DRH
				REV.



THIS DRAWING AND SPECIFICATIONS 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 © 1982, DIGITAL EQUIPMENT CORPORATION.

REVISIONS		
CHK	CHANGE NO.	REV

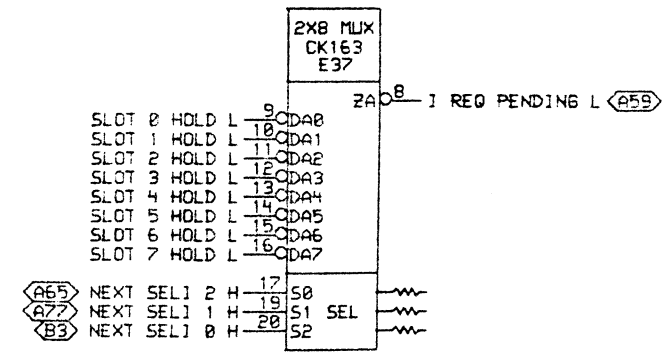
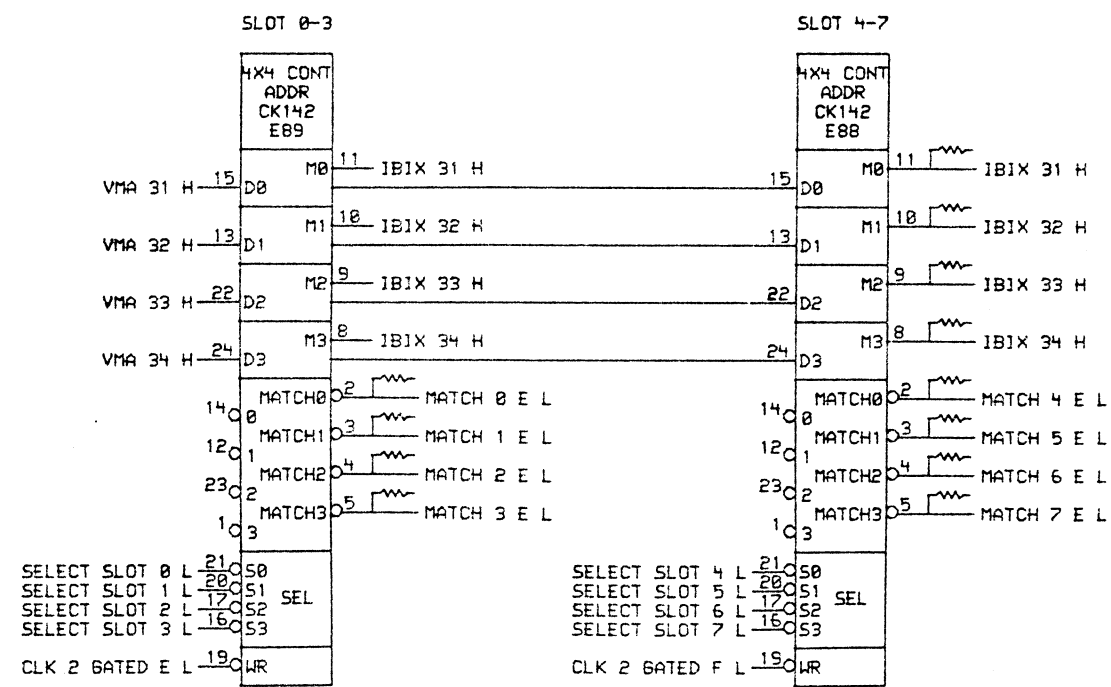
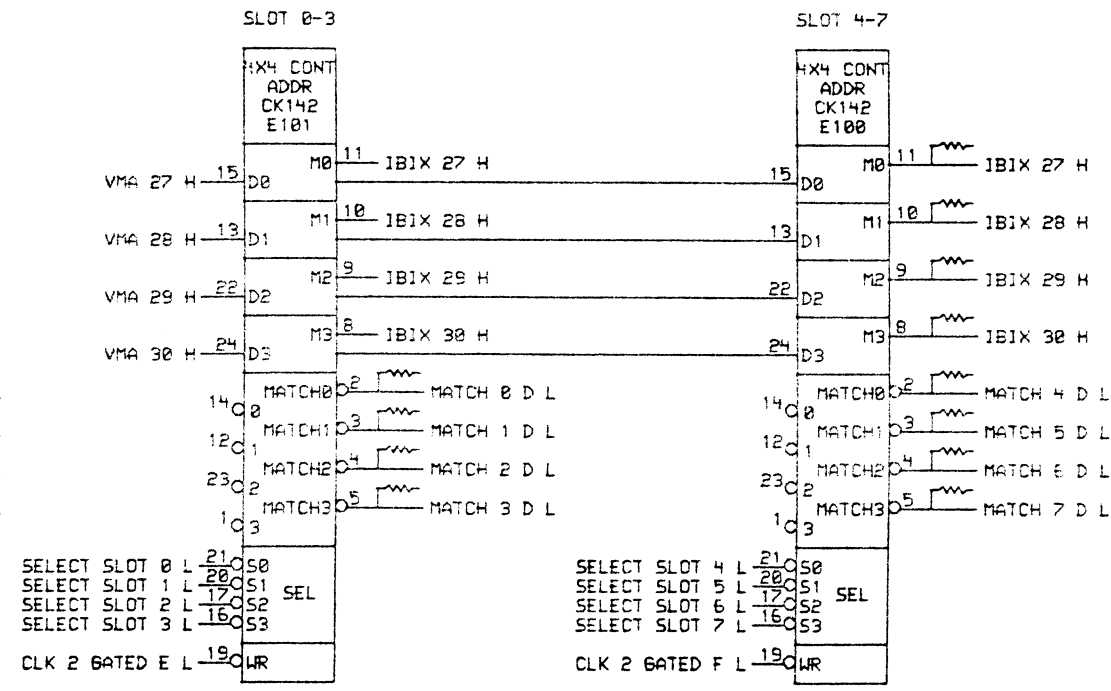
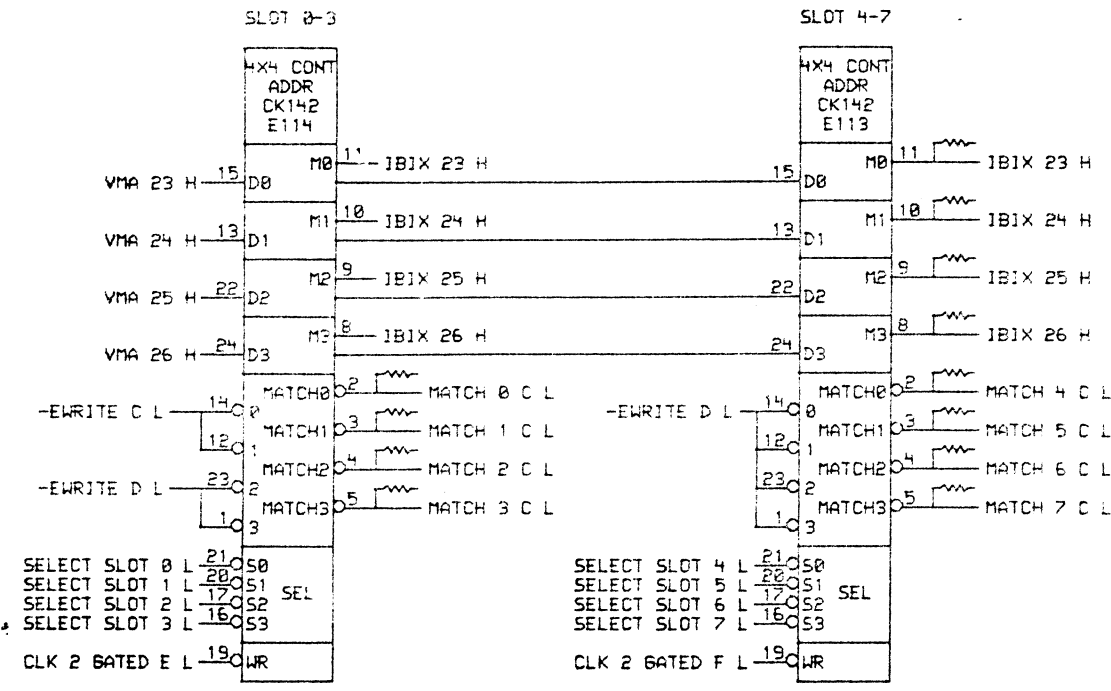
	DATE	ENG.	DATE	TITLE:
	05-FEB-82			IBIX COMP
CHK'D.	DATE	BOARD LOCATION:	SHEET OF	
VLL CAN1 (2886 L 0096) 121DR1.DRW	04-FEB-82 10:43	NEXT HIGHER ASSEMBLY:	SIZE	CODE
FIRST USED ON OPTION/MODEL:			D	CS
			NUMBER	REV.
			L0056-0-IDRI	



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 © 1982, DIGITAL EQUIPMENT CORPORATION.

REVISIONS		
CHK	CHANGE NO.	REV

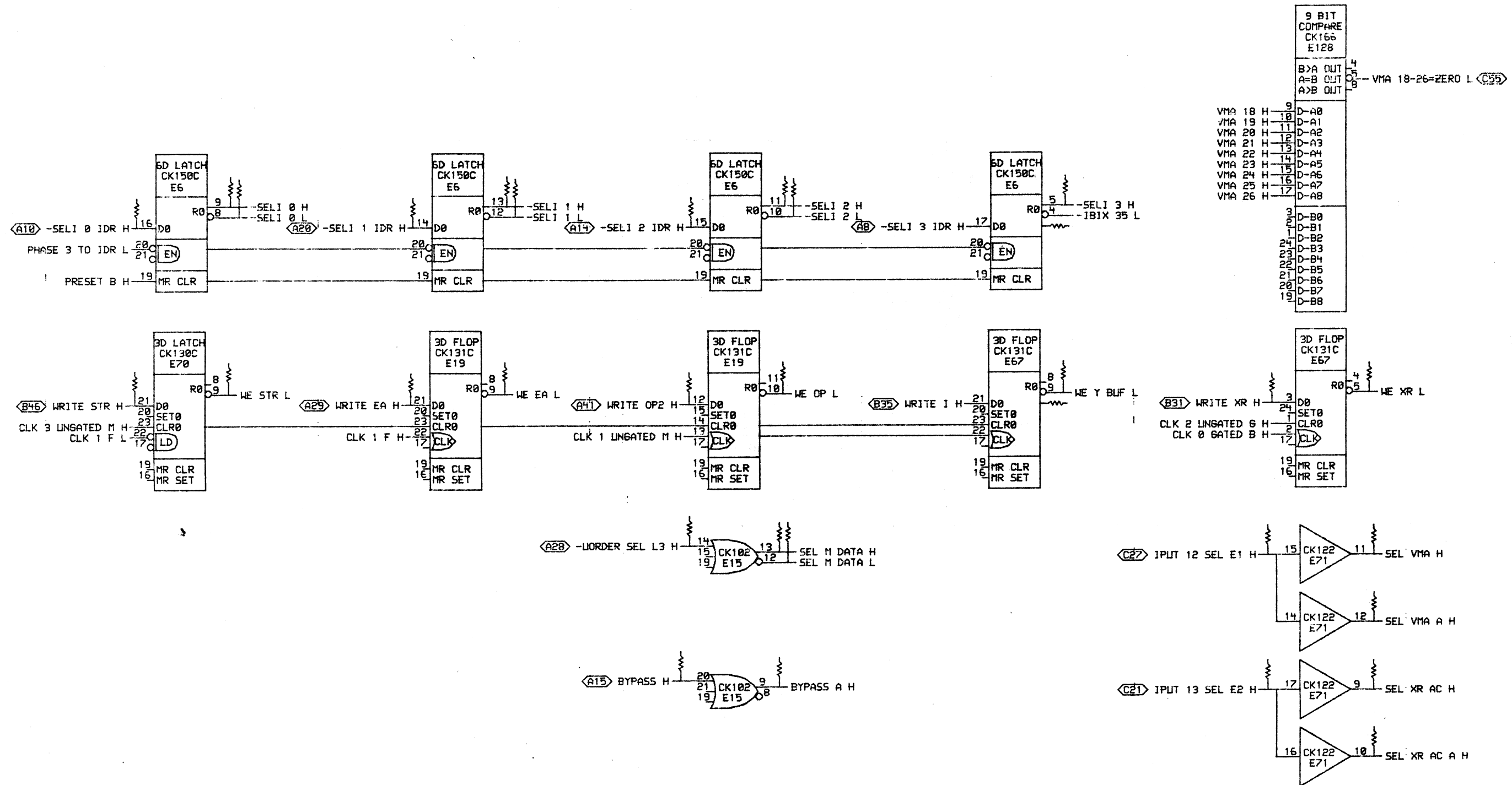
	DATE	ENG.	DATE	TITLE:	IBIX 18-25
	CHK'D.			BOARD LOCATION:	
FIRST USED ON OPTION/MODEL:		NEXT HIGHER ASSEMBLY:		SIZE	CODE
				D	CS
				NUMBER	REV.
				L0056-0-IDRJ	



THIS DRAWING AND SPECIFICATIONS 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.

REVISIONS	
CHK	CHANGE NO. REV

digital
 DATE ENG. DATE TITLE: IBIX 26-32
 DATE BOARD LOCATION: SHEET OF
 NEXT HIGHER ASSEMBLY: SIZE CODE NUMBER REV.
 L0056-0-TDRK

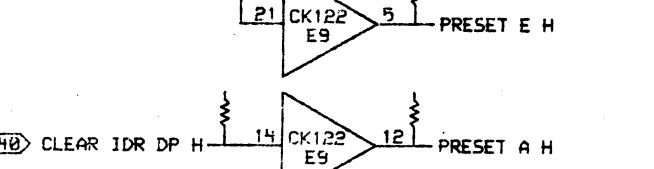
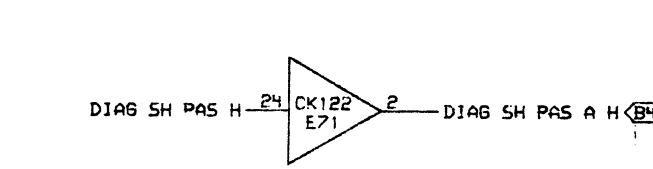
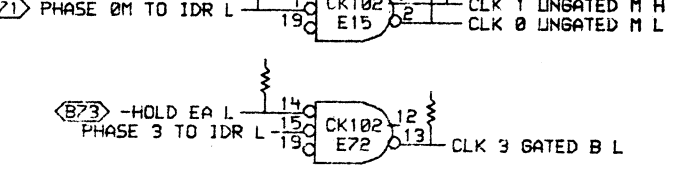
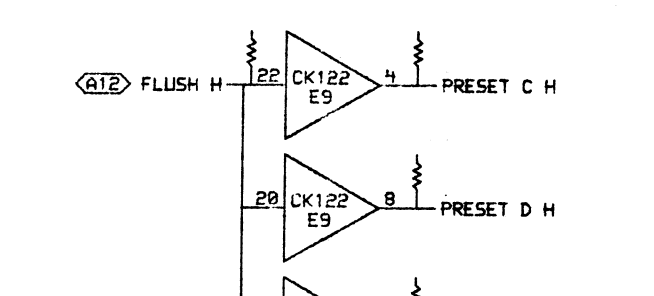
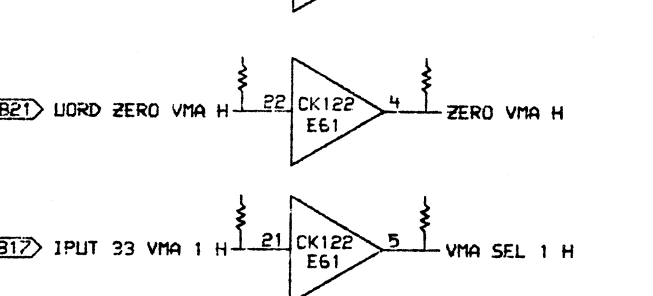
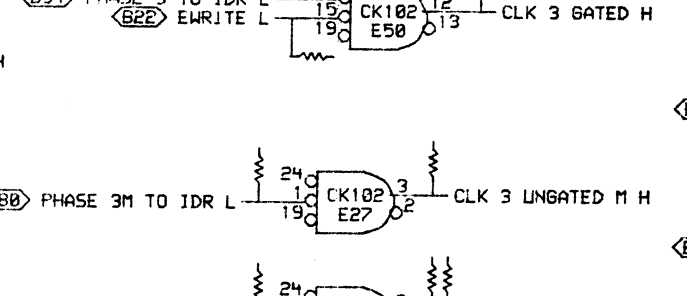
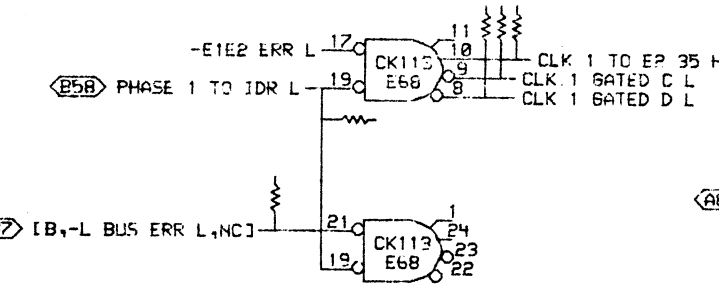
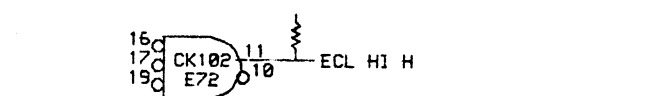
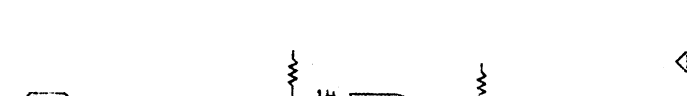
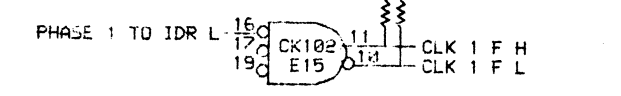
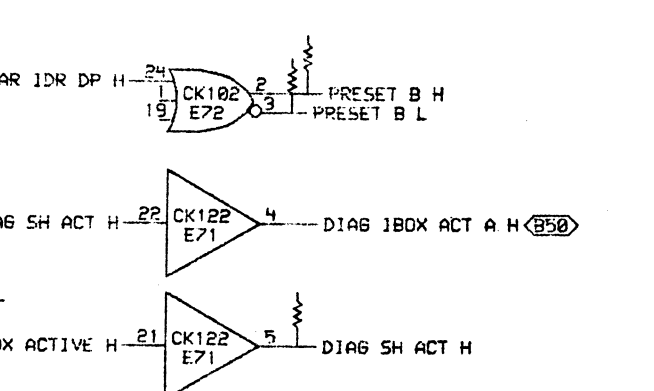
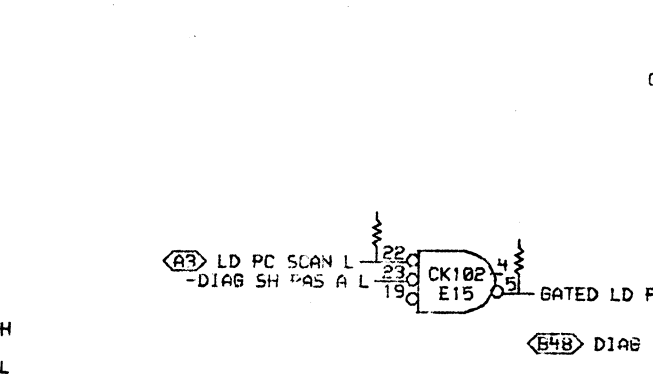
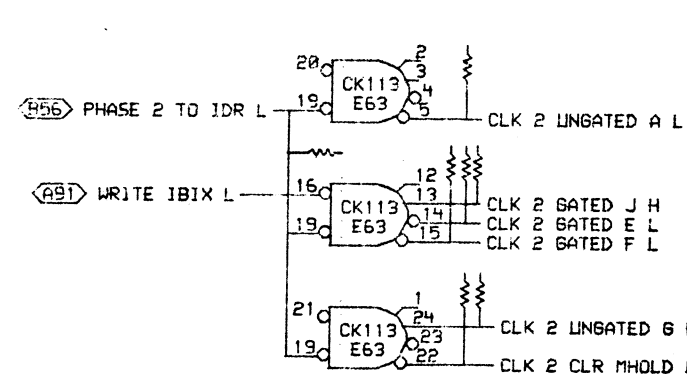
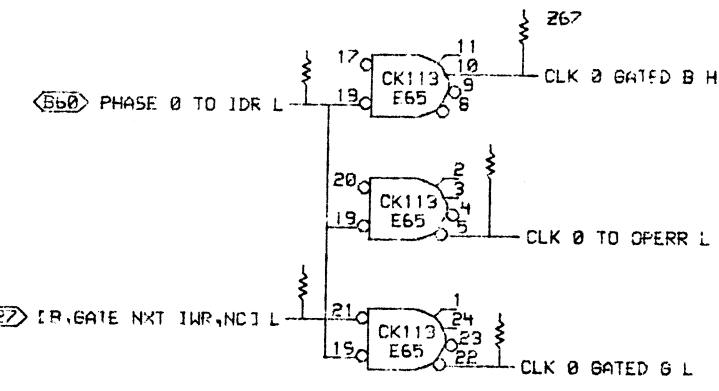
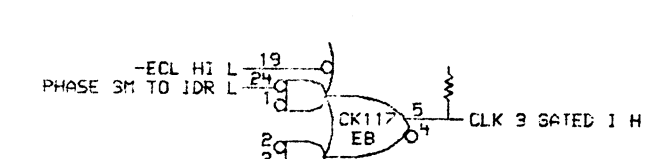
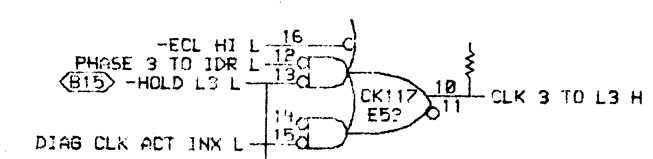
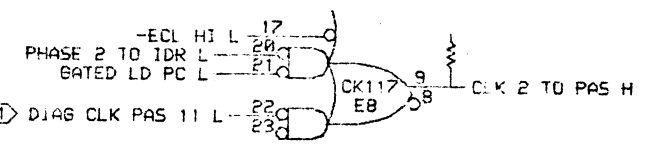
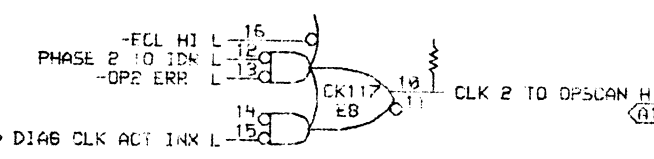


9 BIT COMPARE CK166 E128	
B>A OUT	4
A=B OUT	5
A>B OUT	6
VMA 18-26=ZERO L (C55)	
VMA 18 H	9
VMA 19 H	10
VMA 20 H	11
VMA 21 H	12
VMA 22 H	13
VMA 23 H	14
VMA 24 H	15
VMA 25 H	16
VMA 26 H	17
D-A0	9
D-A1	10
D-A2	11
D-A3	12
D-A4	13
D-A5	14
D-A6	15
D-A7	16
D-A8	17
D-B0	3
D-B1	1
D-B2	2
D-B3	24
D-B4	23
D-B5	22
D-B6	21
D-B7	20
D-B8	19

DIAG CLK ACT [B,INX,12] L --- C53

DIAG CLK PAS [B,11,12] L --- C55

[B,WRITE IB,X,MODANT DLY] L --- C54

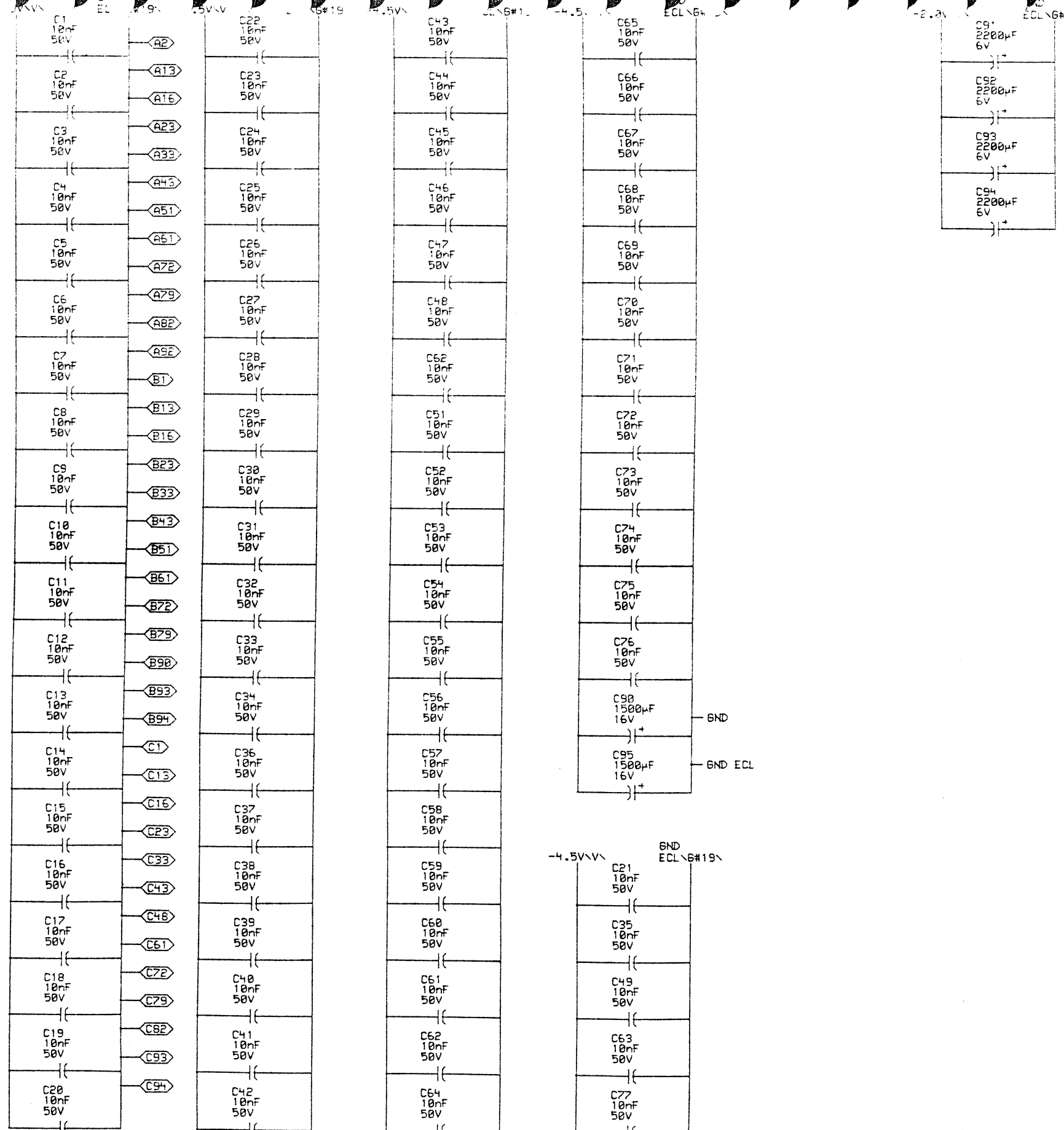


- PHASE 0 GND --- B59
- PHASE 1 GND --- B57
- PHASE 2 GND --- B55
- PHASE 3 GND --- B53
- KEY GND --- C89
- [B,KEY OPEN,NC] --- C90

THIS DRAWING AND SPECIFICATIONS 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 © 1982 DIGITAL EQUIPMENT CORPORATION

REVISIONS	
CHK	CHANGE NO. / REV

	DATE ENG. 16-OCT-82 DATE 15-OCT-82 14:01 NEXT HIGHER ASSEMBLY:	DATE BOARD LOCATION:	TITLE: IO DRIVE
	VLL CAME (2000, L0056) 121DRM.DRW FIRST USED ON OPTION/MODEL:	SIZE CODE D C5 NUMBER L0056-0-IDRM	REV.



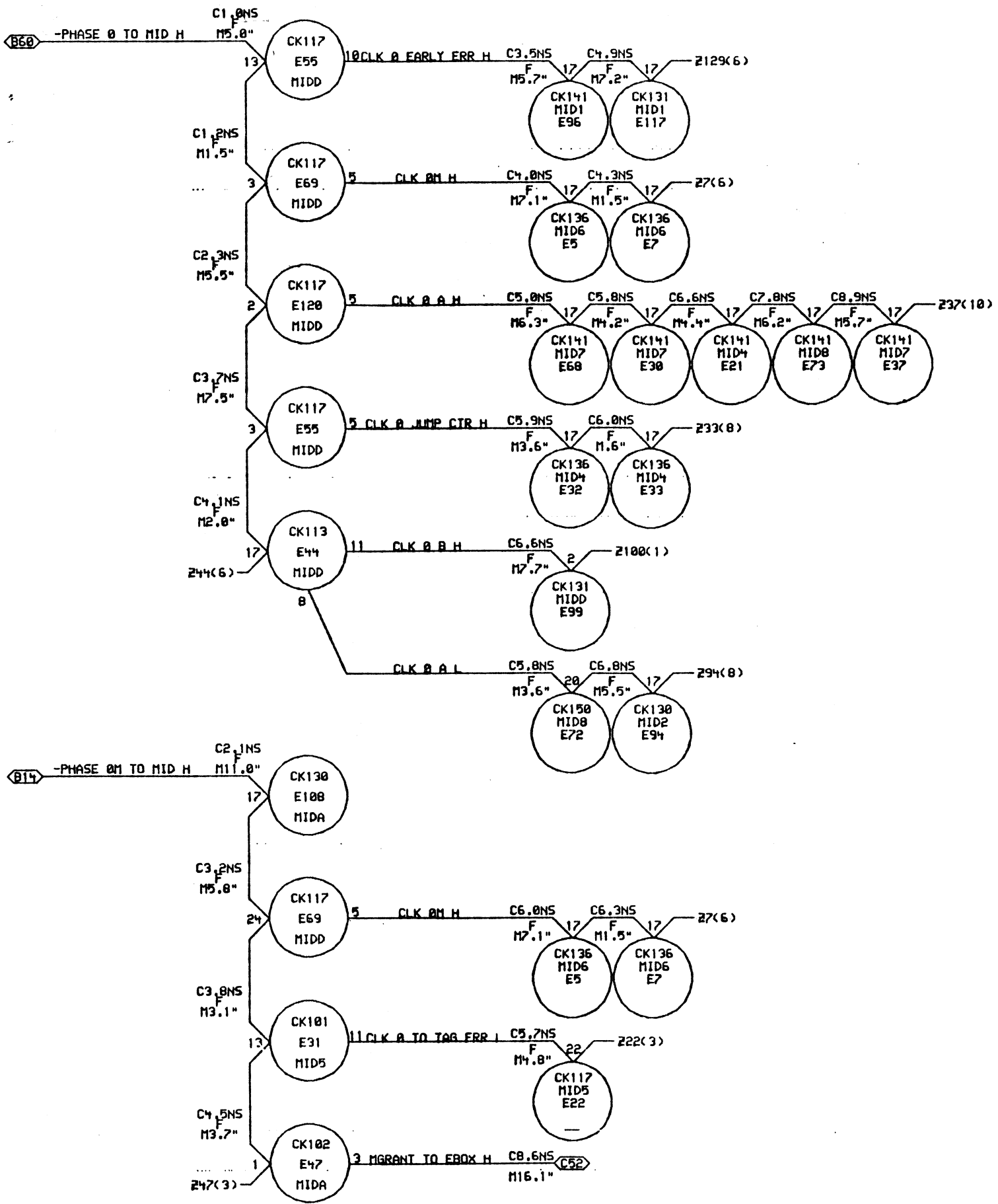
REV. NUMBER L0056-0-1DRN
 CODE CS
 SIZE D
 B
 A

REVISIONS		
CHK	CHANGE NO.	REV.

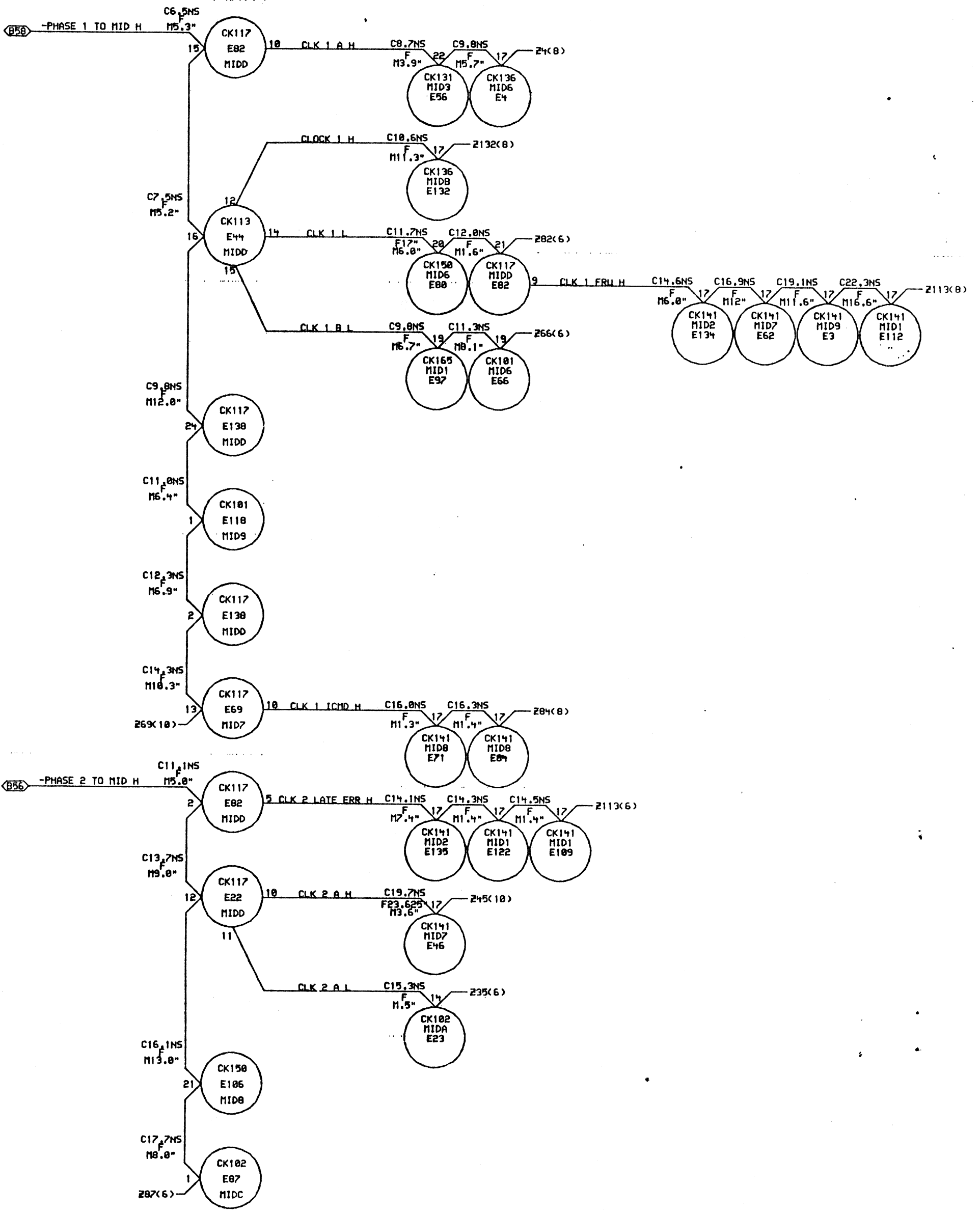
digital	DATE	ENG.	DATE	TITLE: 2080 ROUTING TEST CAPACITOR DRAWINGS
	CHK'D.	DATE	BOARD LOCATION:	
VLL CAN 2080 L0056-0-1DRN DRN 13-AUG-81 16:42		NEXT HIGHER ASSEMBLY:		SIZE CODE
FIRST USED ON BOARD MODEL: 2080		DRAWN: JERRY		NUMBER
				REV.

VULCAN:<2080.L0069.REVC>CMID1
VULCAN:<2080.L0069.REVC>9CMID2
VULCAN:<2080.L0069.REVC>10CMID3
VULCAN:<2080.L0069.REVC>CMID4
VULCAN:<2080.L0069.REVC>CMID5
VULCAN:<2080.L0069.REVC>CMID6
VULCAN:<2080.L0069.REVC>11CMID7
VULCAN:<2080.L0069.REVC>7CMID8
VULCAN:<2080.L0069.REVC>8CMID9
VULCAN:<2080.L0069.REVC>4CMIDA
VULCAN:<2080.L0069.REVC>4CMIDB
VULCAN:<2080.L0069.REVC>CMIDC
VULCAN:<2080.L0069.REVC>6CMIDD
VULCAN:<2080.L0069.REVC>10CMIDE

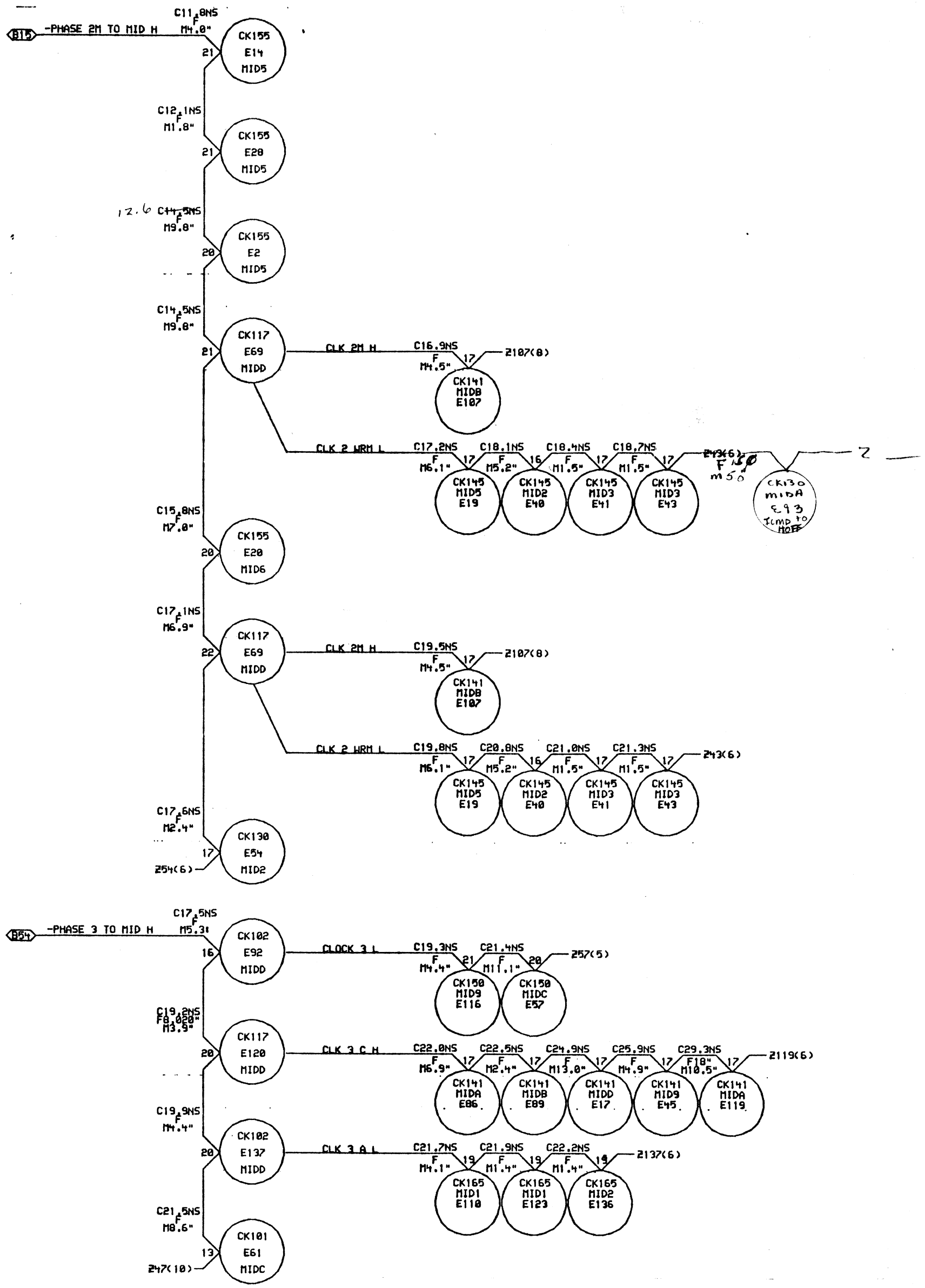
MID



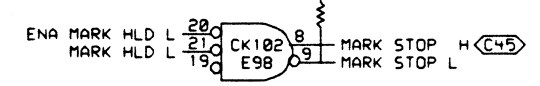
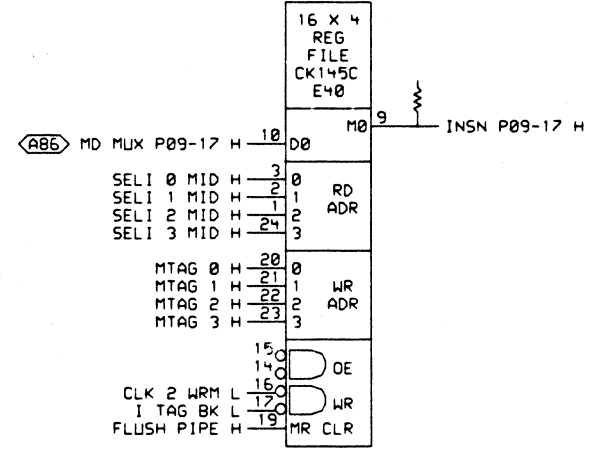
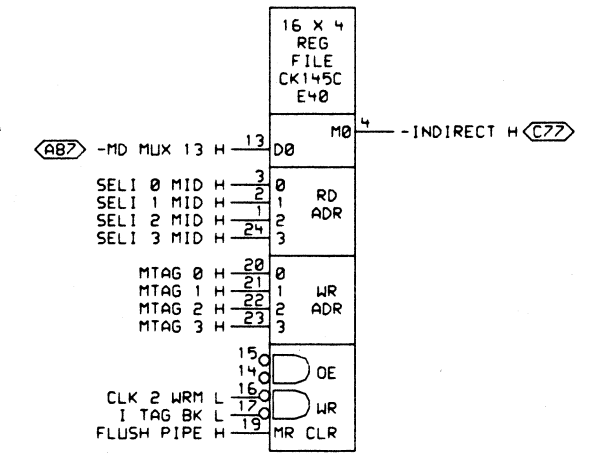
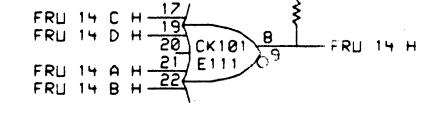
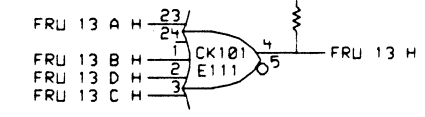
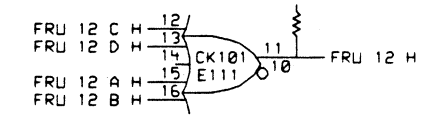
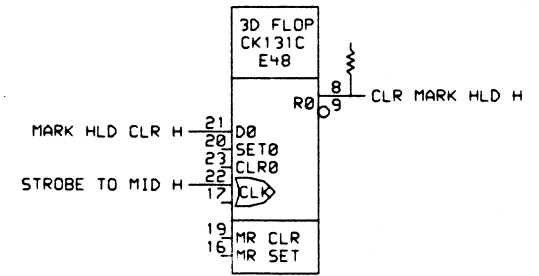
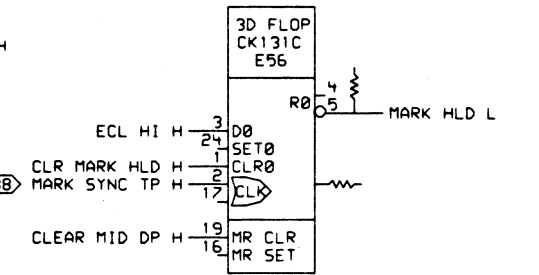
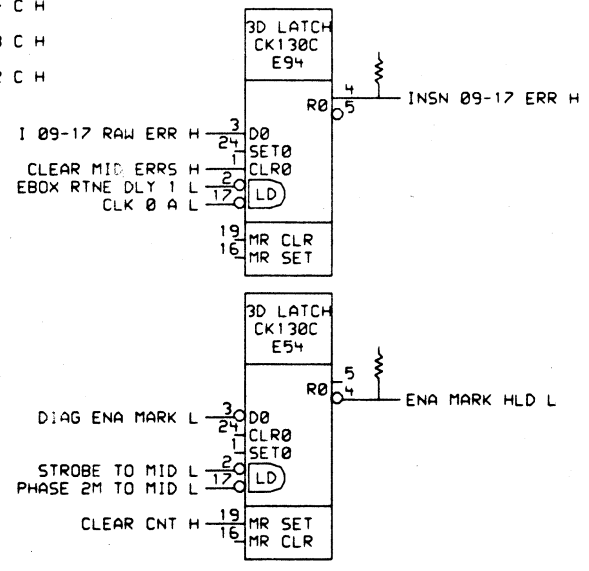
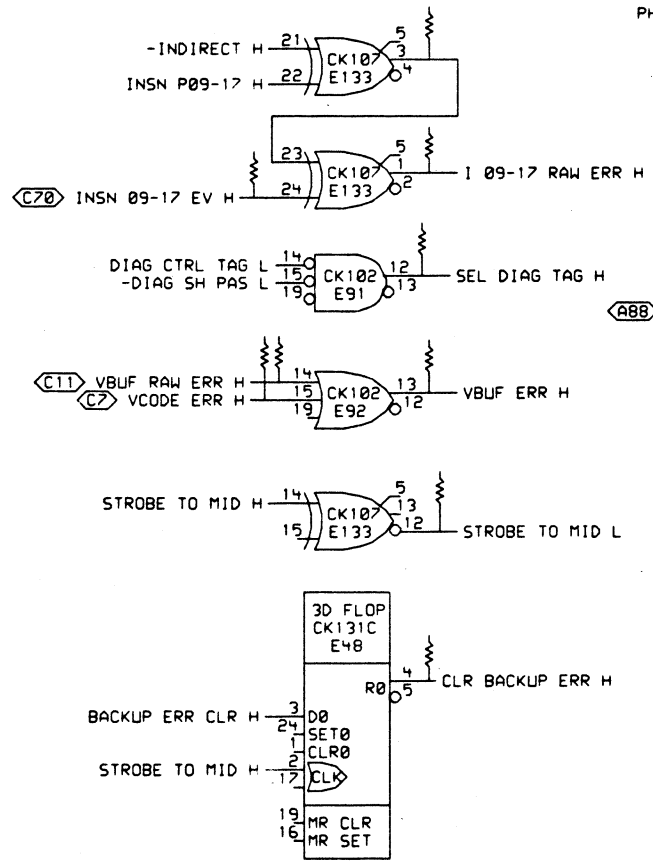
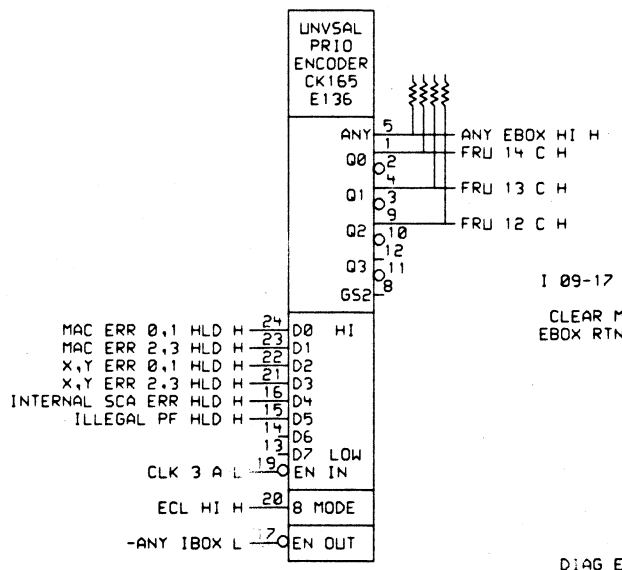
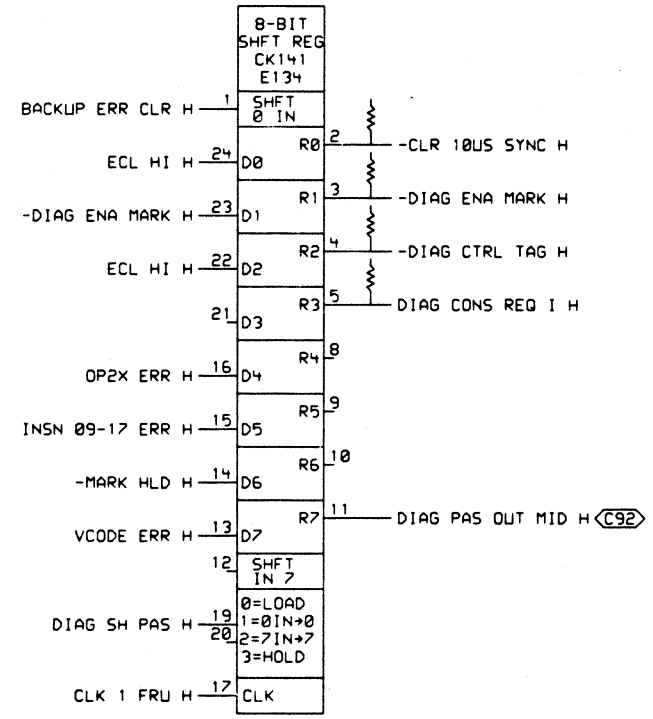
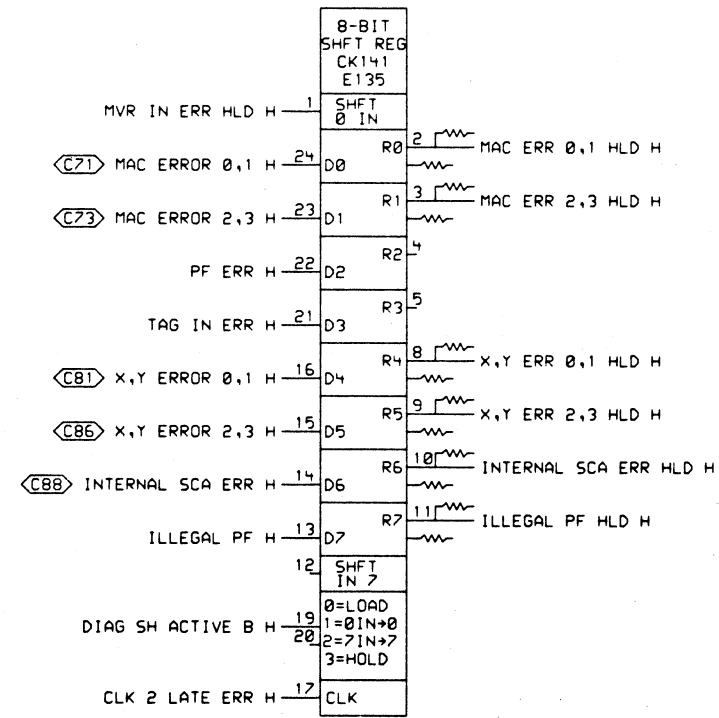
DRN.	DATE	ENG.	DATE	TITLE:
CHK'D.	DATE	BOARD LOCATION:	SHEET OF	
VIL-DW-1 (2000.1.0009, REV 2) JINCHI.DWG 115-OCT-82 00152 NEXT HIGHER ASSEMBLY:				SIZE CODE NUMBER REV.
FIRST USED ON OPTION/MODEL:				D C5



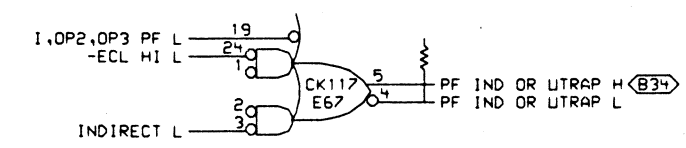
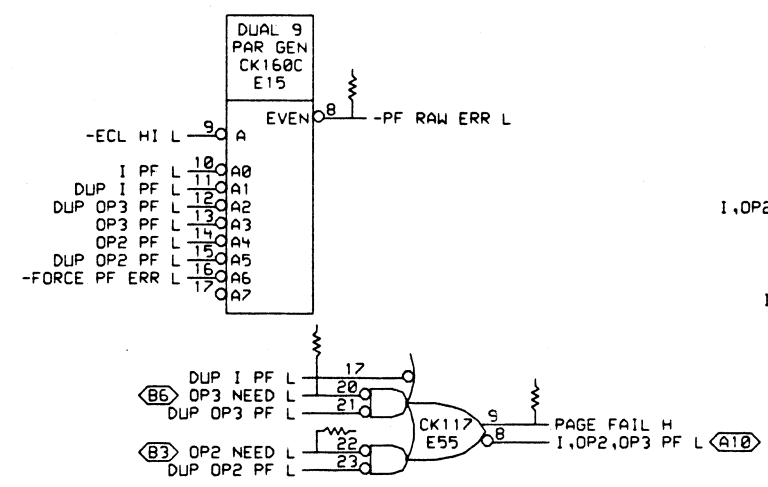
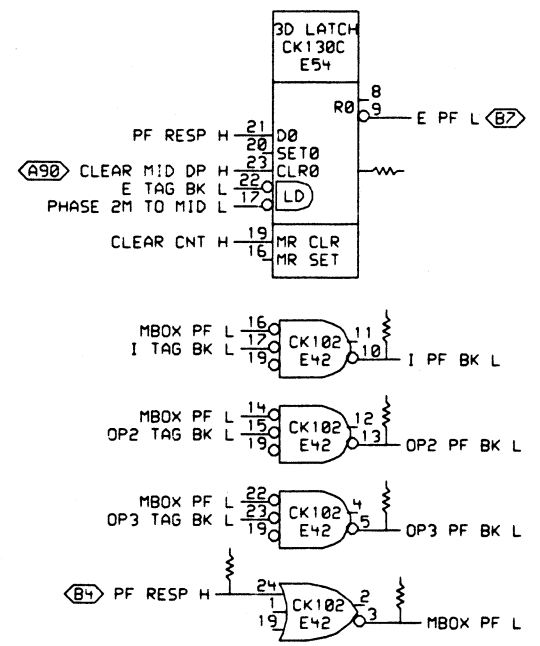
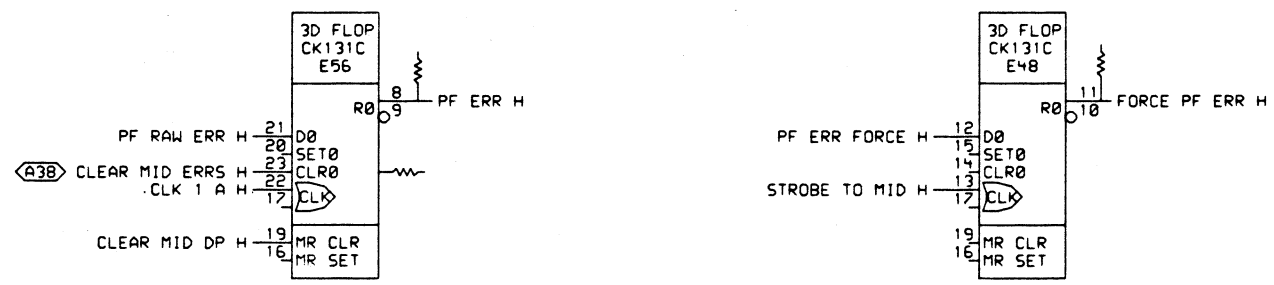
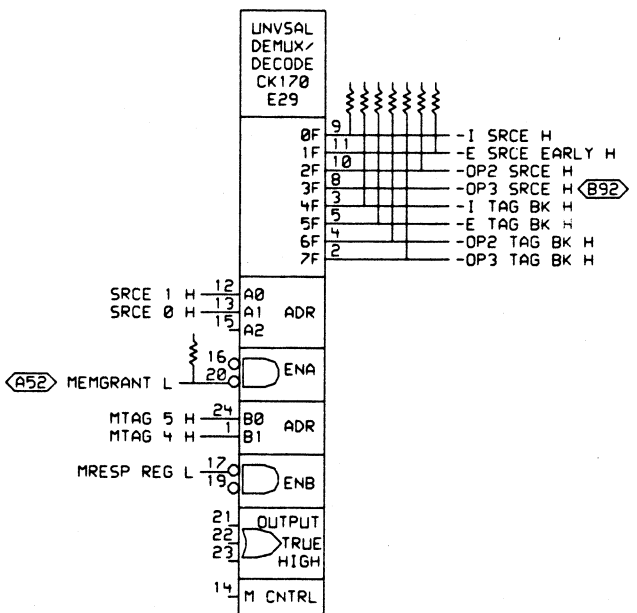
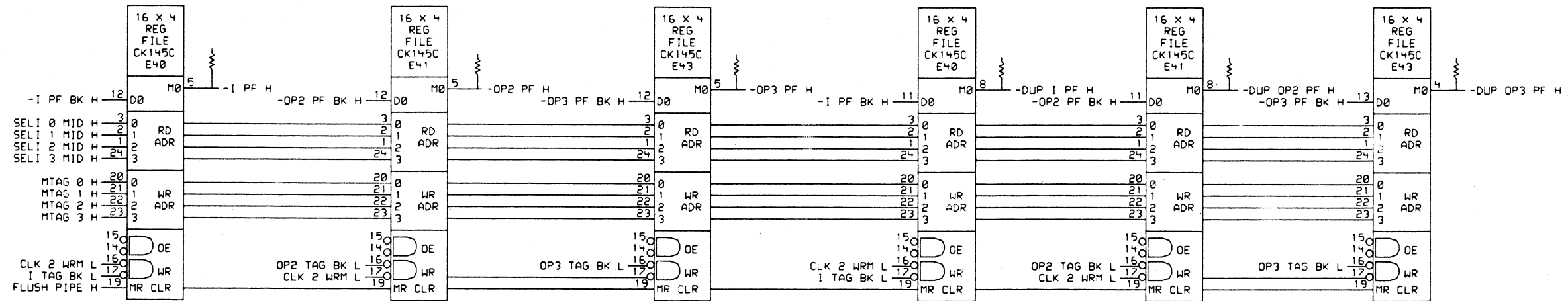
DRN.	DATE	ENG.	DATE	TITLE:
CHK'D.	DATE	BOARD LOCATION:		
		SHEET	OF	
FIRST USED ON OPTION/MODEL:		NEXT HIGHER ASSEMBLY:		SIZE
				CODE
				NUMBER
				REV.



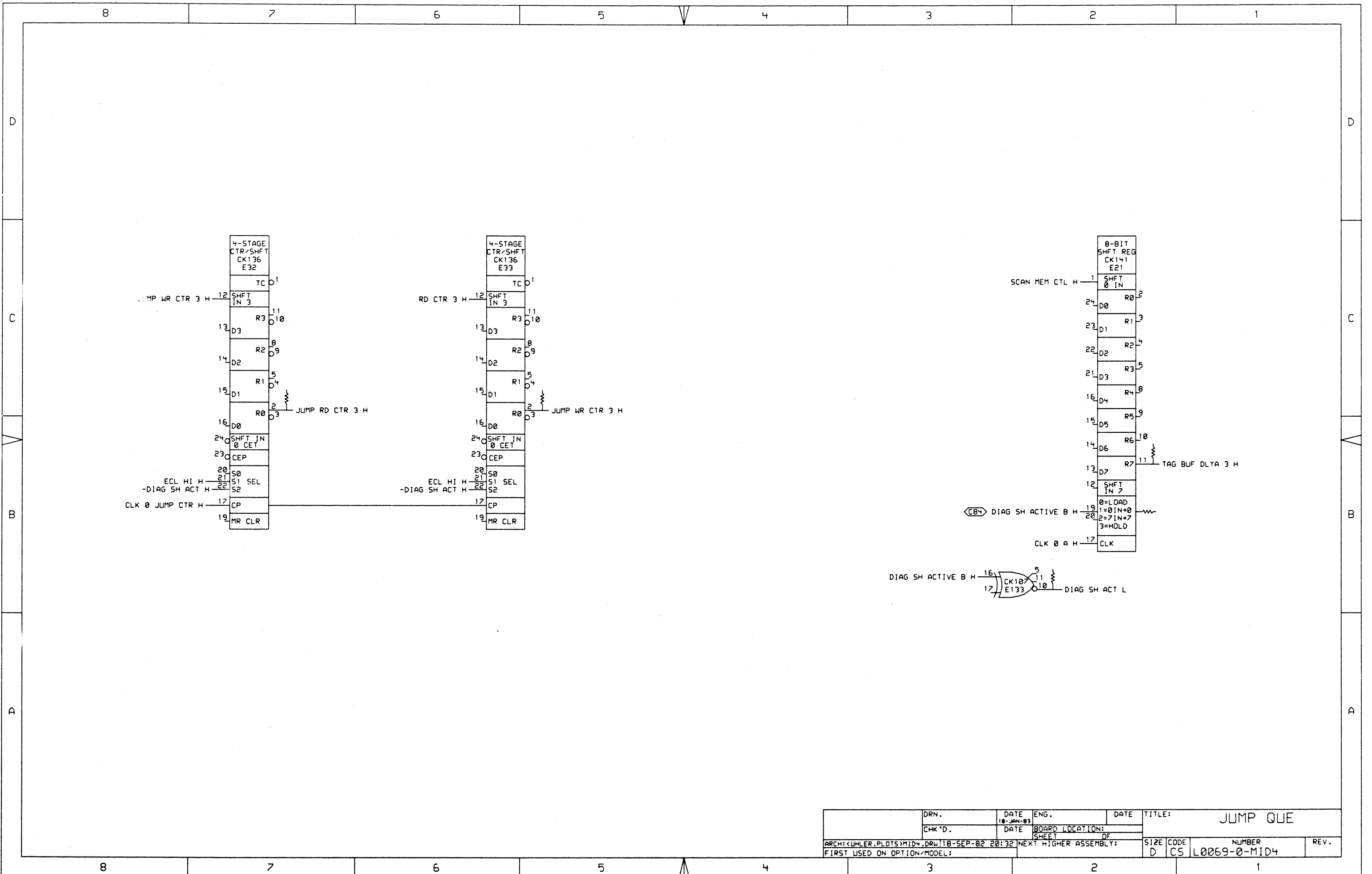
DRN.	DATE	ENG.	DATE	TITLE:
CHK'D.	DATE	BOARD LOCATION	SHEET	OF
FIRST USED ON OPTION/MODEL:				SIZE
NEXT HIGHER ASSEMBLY:				CODE
NUMBER			REV.	



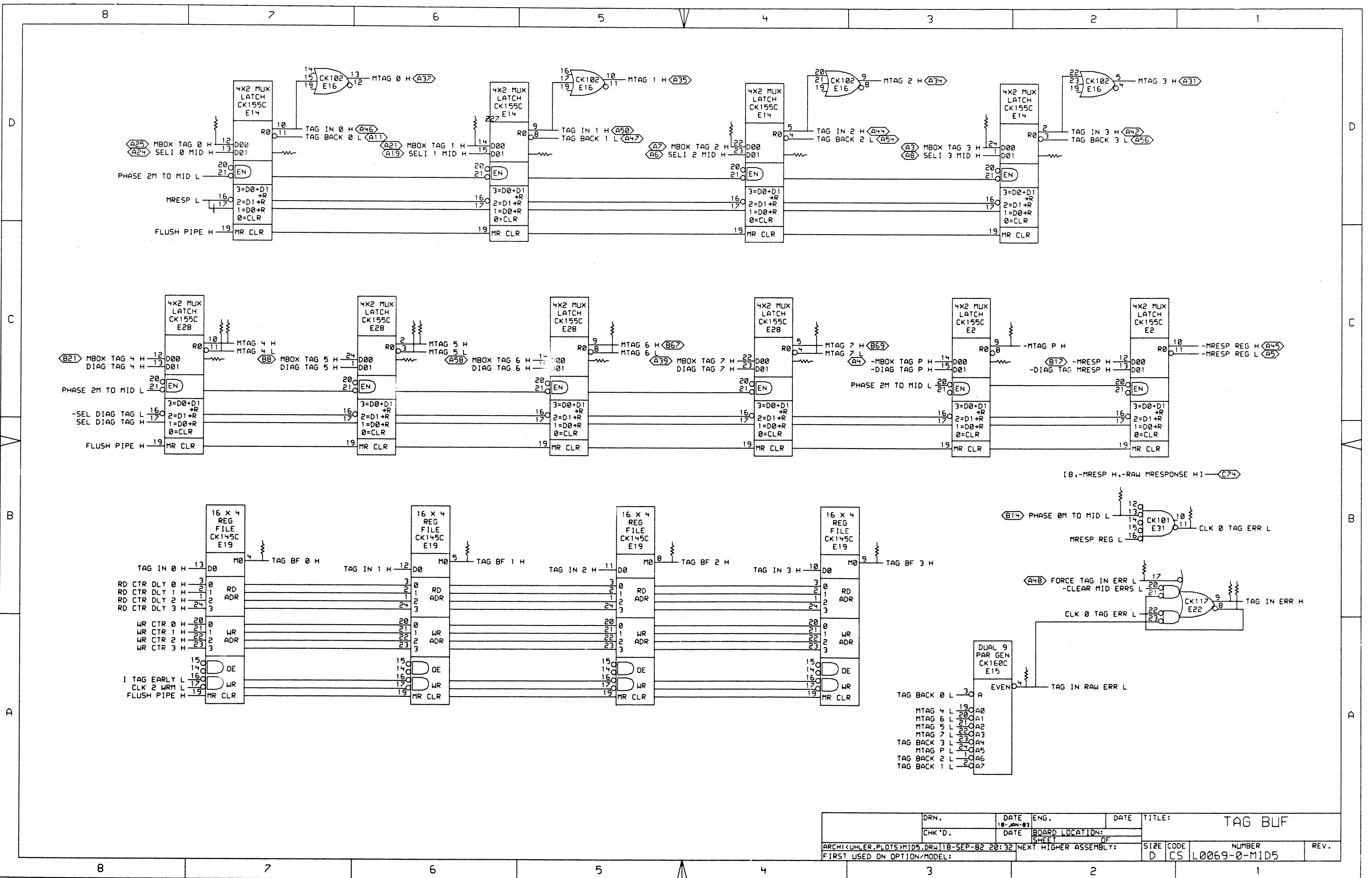
DRN.	DATE	ENG.	DATE	TITLE:	FRU
CHK'D.	DATE	BOARD LOCATION:			
ARCH: C:\MLER.PLOTS\9MID2.DRW 13-JAN-83 08:55				NEXT HIGHER ASSEMBLY:	SIZE CODE
FIRST USED ON OPTION/MODEL:					D CS
				NUMBER	L0069-0-MID2
				REV.	



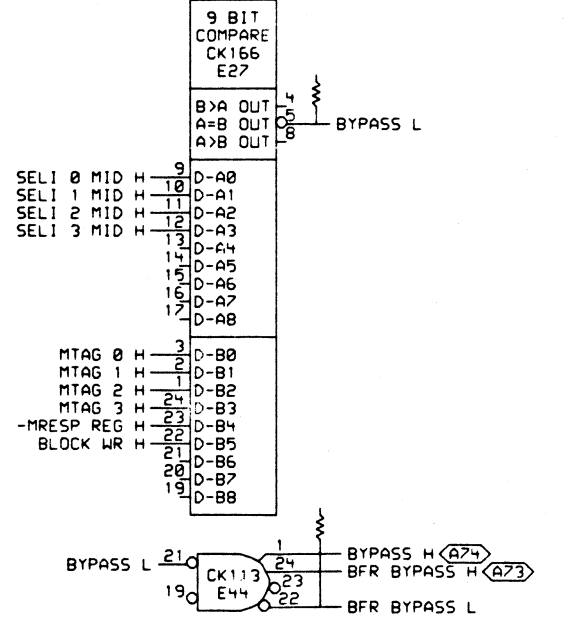
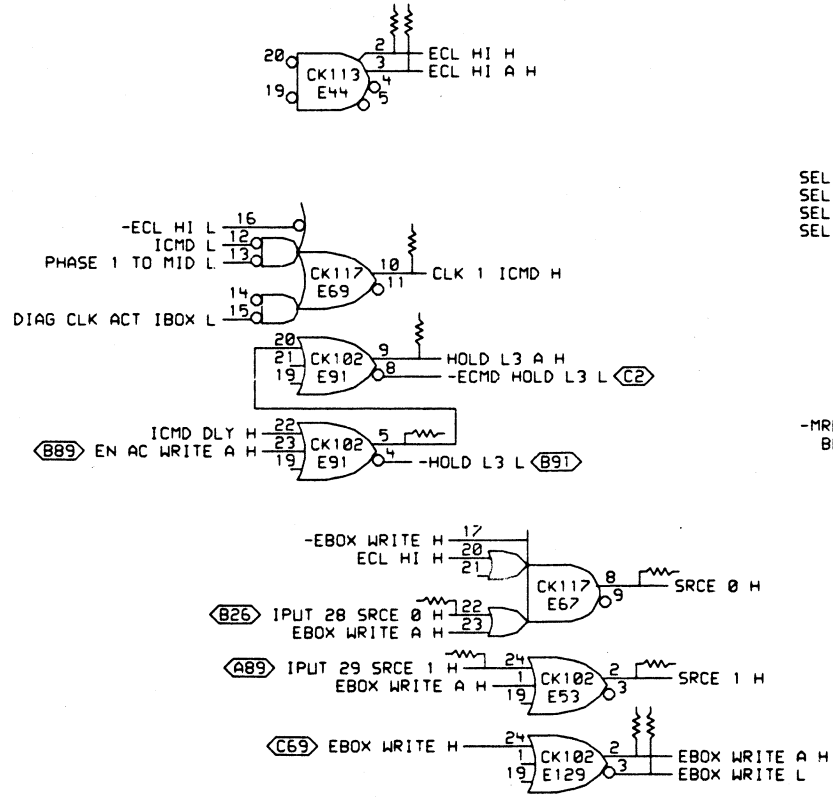
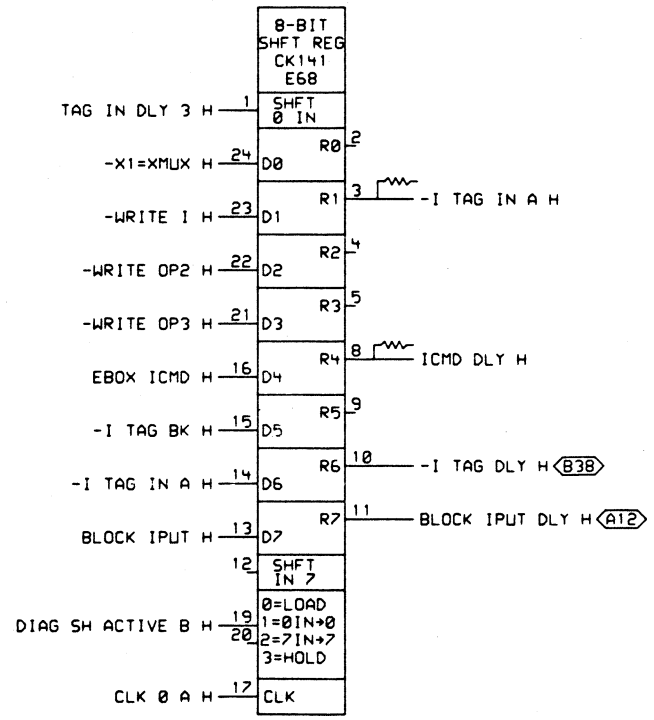
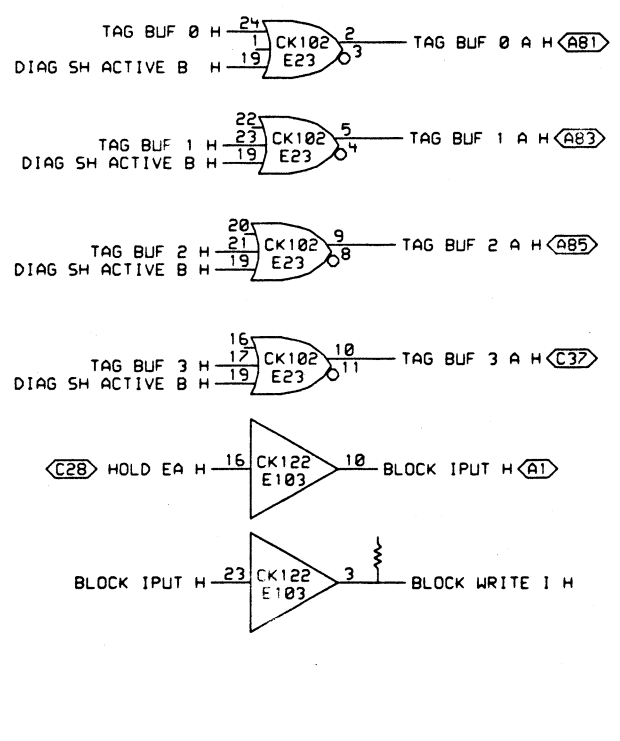
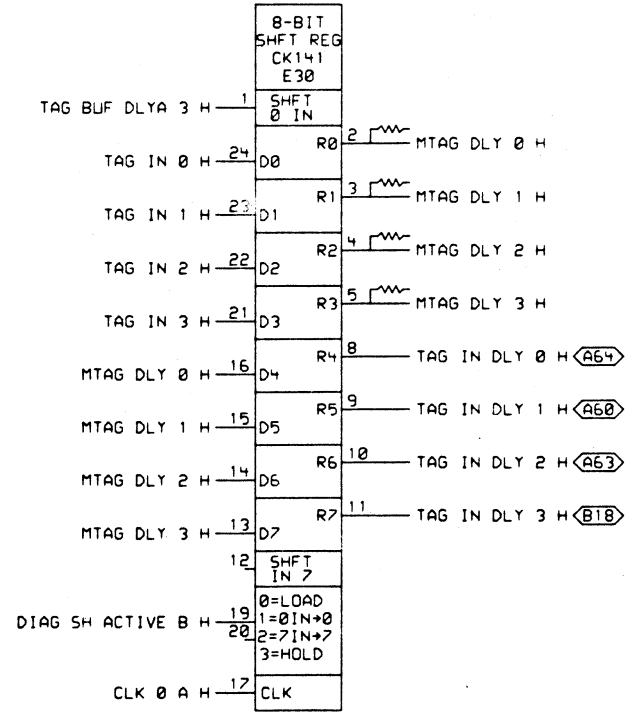
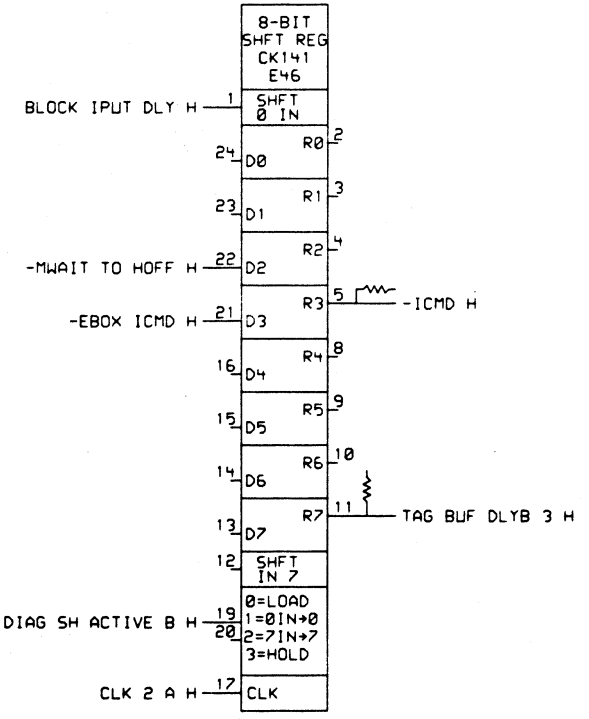
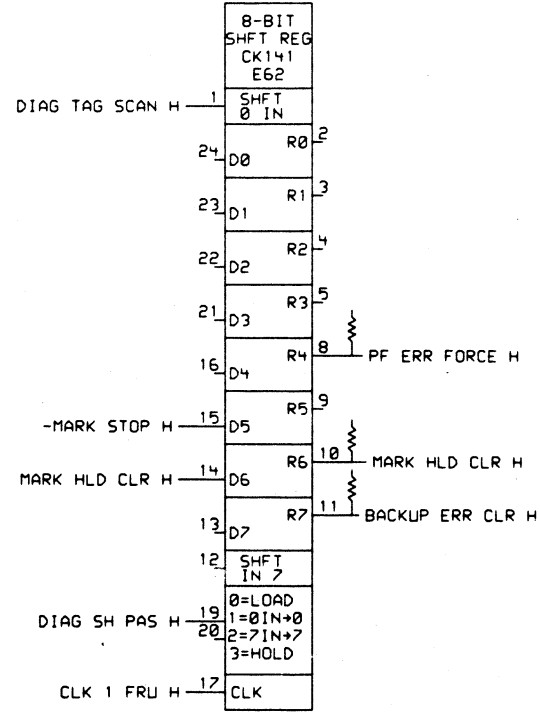
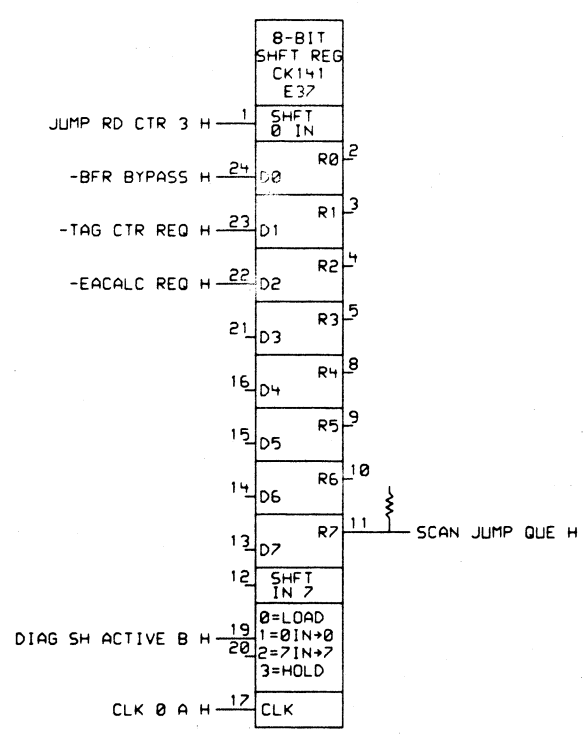
DRN.	DATE	ENG.	DATE	TITLE:	PAGE FAIL		
CHK'D.	DATE	BOARD LOCATION:	SHEET	OF	SIZE	CODE	NUMBER
ARCH: <UHLER.PLOTS>10MID3.DRW 13-JAN-83 15:12 NEXT HIGHER ASSEMBLY:				REV.	D	CS	L0069-0-MID3



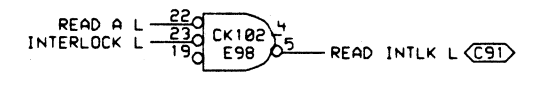
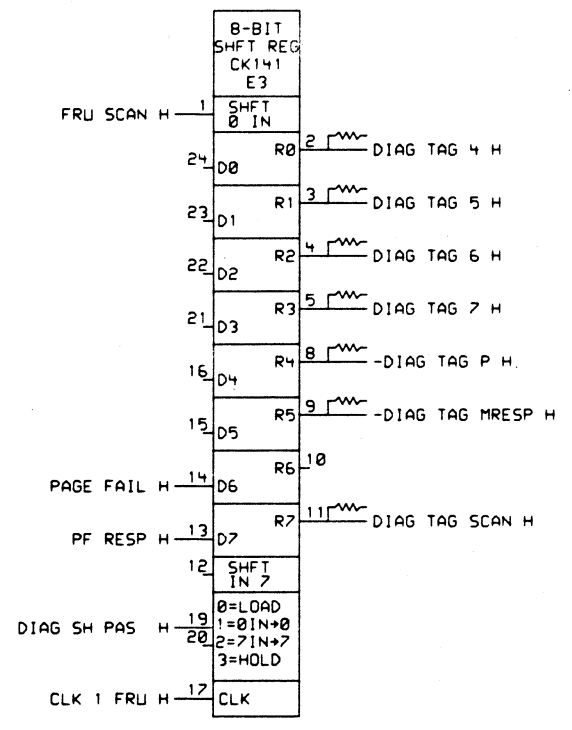
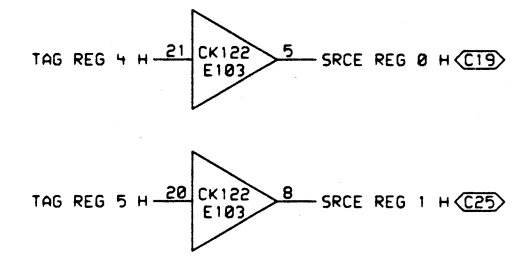
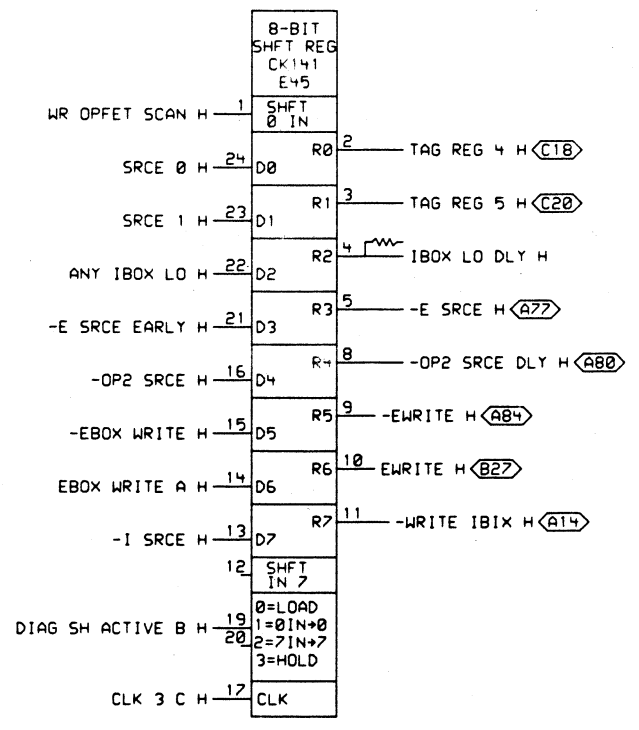
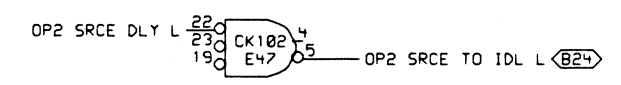
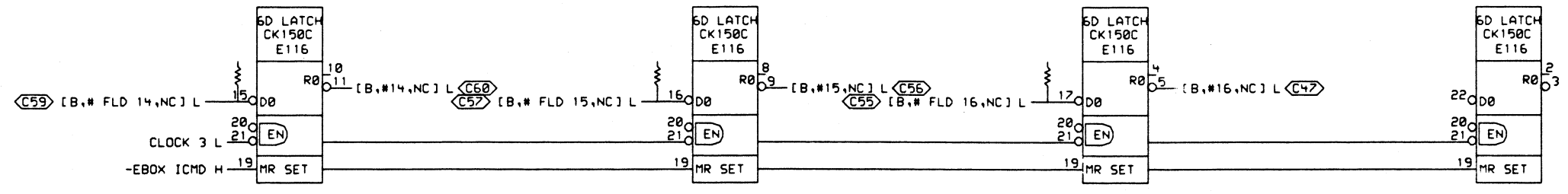
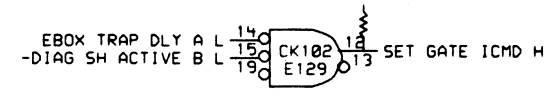
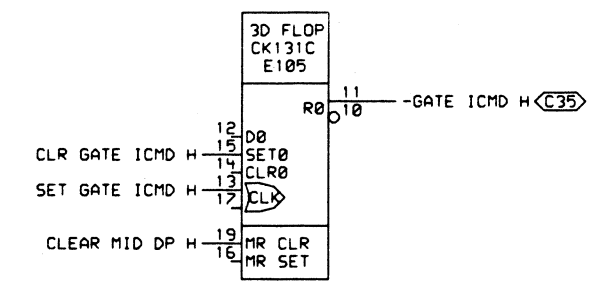
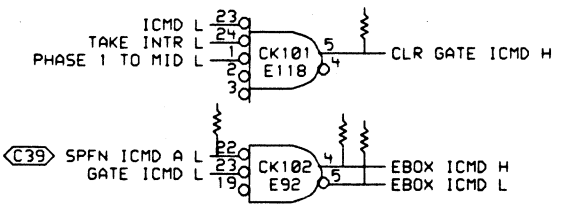
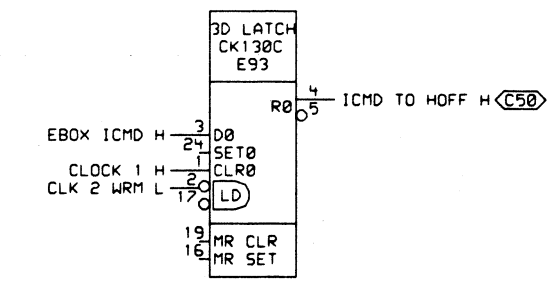
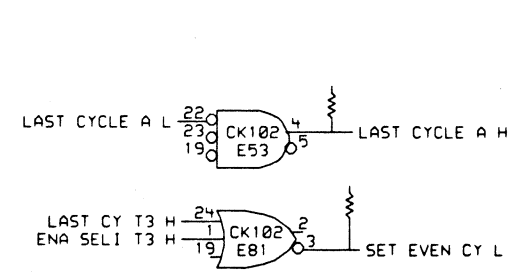
DRN.	DATE	ENG.	DATE	TITLE:	JUMP QUE		
CHK'D.	18-JAN-83	DATE	BOARD LOCATION:				
ARCH: <UHLER.PLOTS>MID4.DRW:18-SEP-82 20:32 NEXT HIGHER ASSEMBLY:				SIZE	CODE	NUMBER	REV.
FIRST USED ON OPTION/MODEL:				D	CS	L0069-0-MID4	



DRN.	DATE	ENG.	DATE	TITLE:	TAG BUF		
CHK'D.	DATE	BOARD LOCATION:	SHEET	OF	SIZE	CODE	NUMBER
ARCH: <UHLER.PLOTS> MID5.DRW 18-SEP-82 20:32 NEXT HIGHER ASSEMBLY:				SIZE	CODE	NUMBER	REV.
FIRST USED ON OPTION/MODEL:				D	CS	L0069-0-MID5	



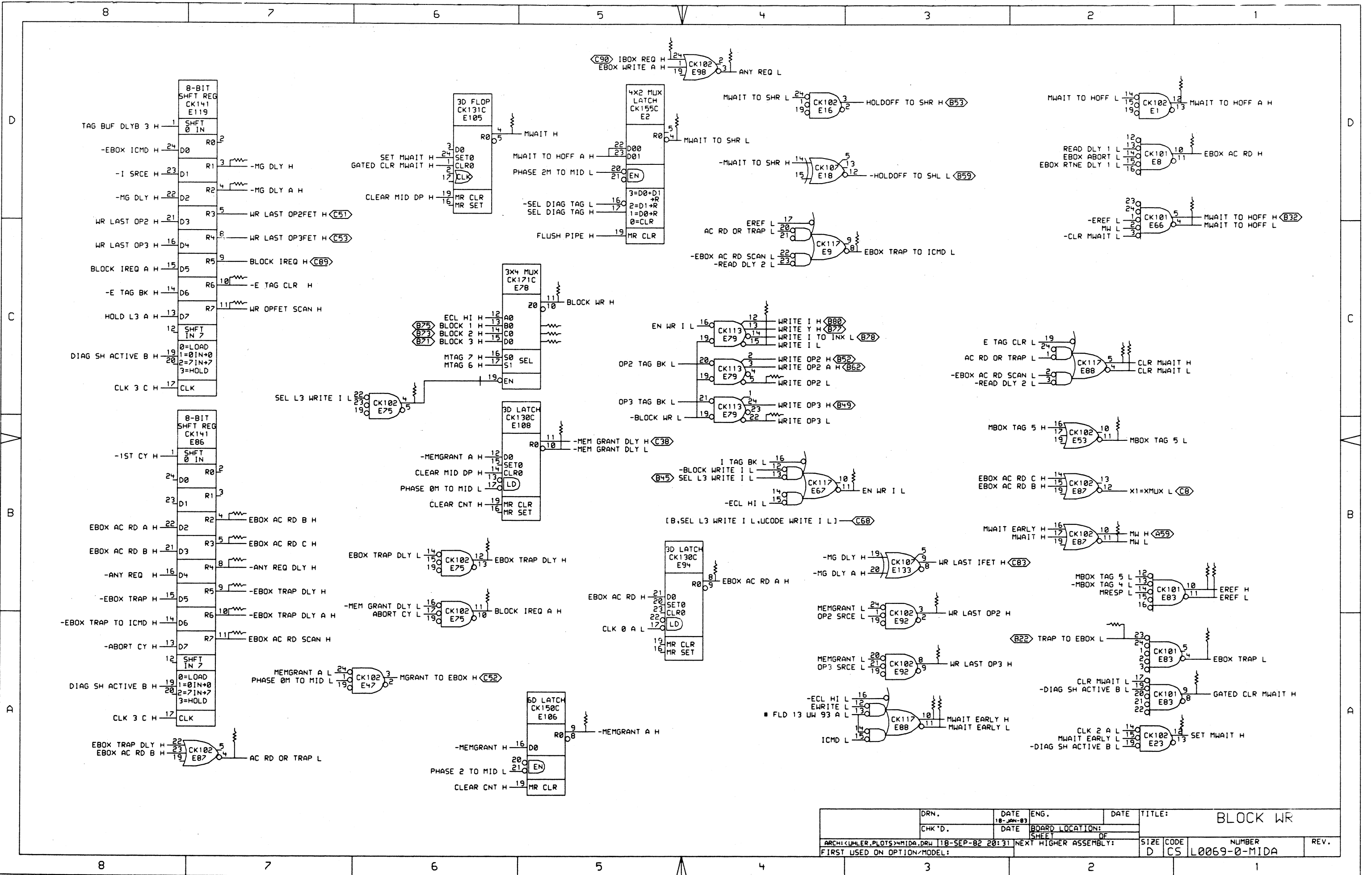
DRN.	DATE	ENG.	DATE	TITLE:
CHK'D.	18-JAN-83			DLY REGS
ARCH: <UHLER.PLOTS>11MID7.DRW 14-JAN-83 12:42				NUMBER
FIRST USED ON OPTION/MODEL:				L0069-0-MID7
SIZE CODE			REV.	
D CS				



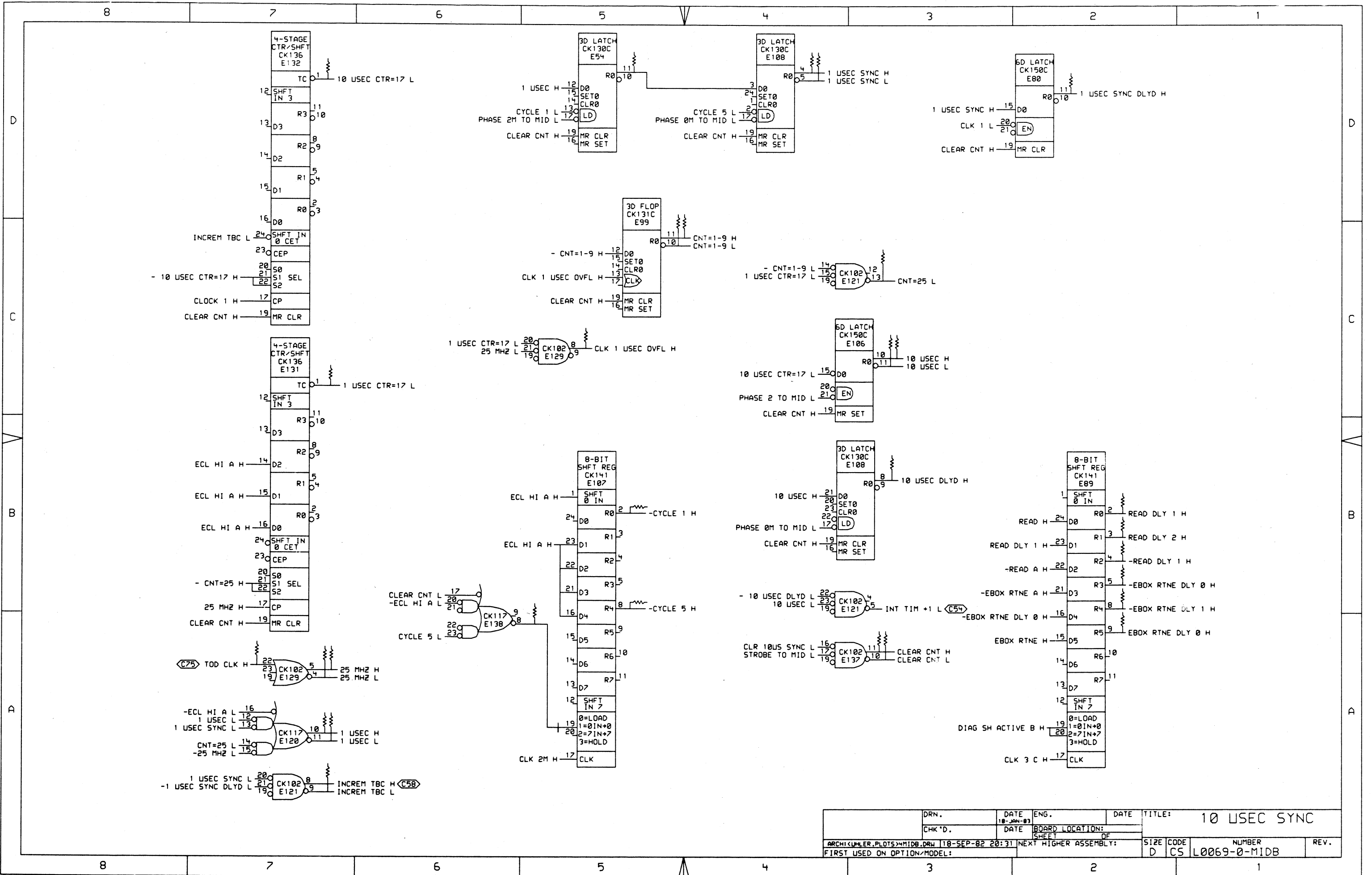
D
C
B
A

D
C
B
A

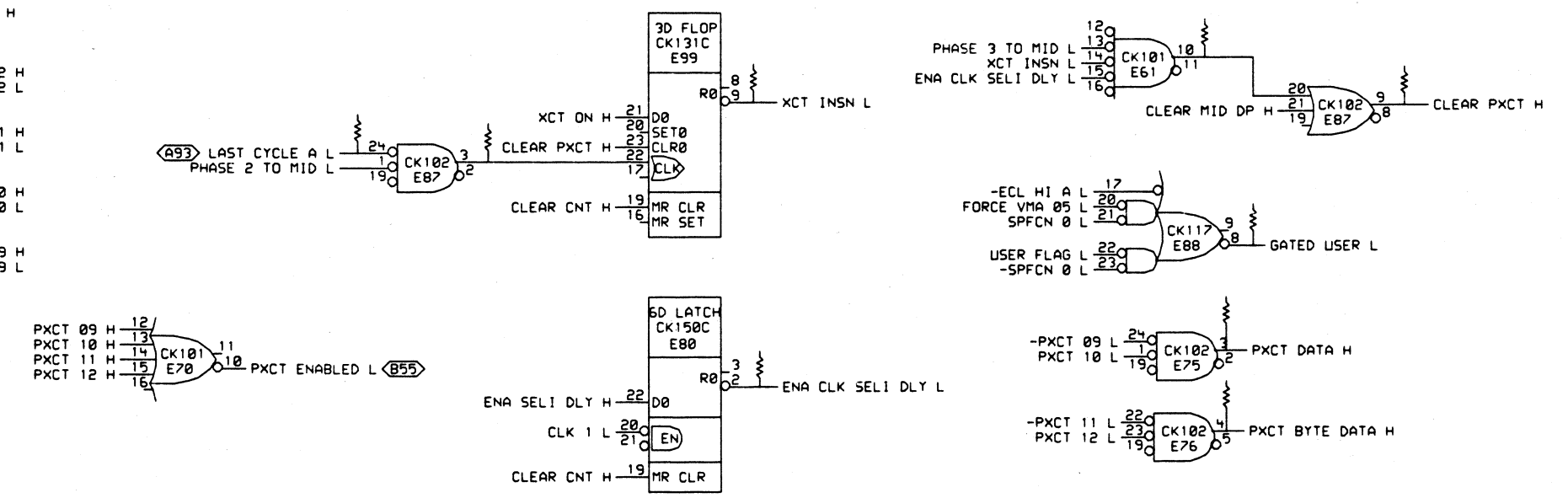
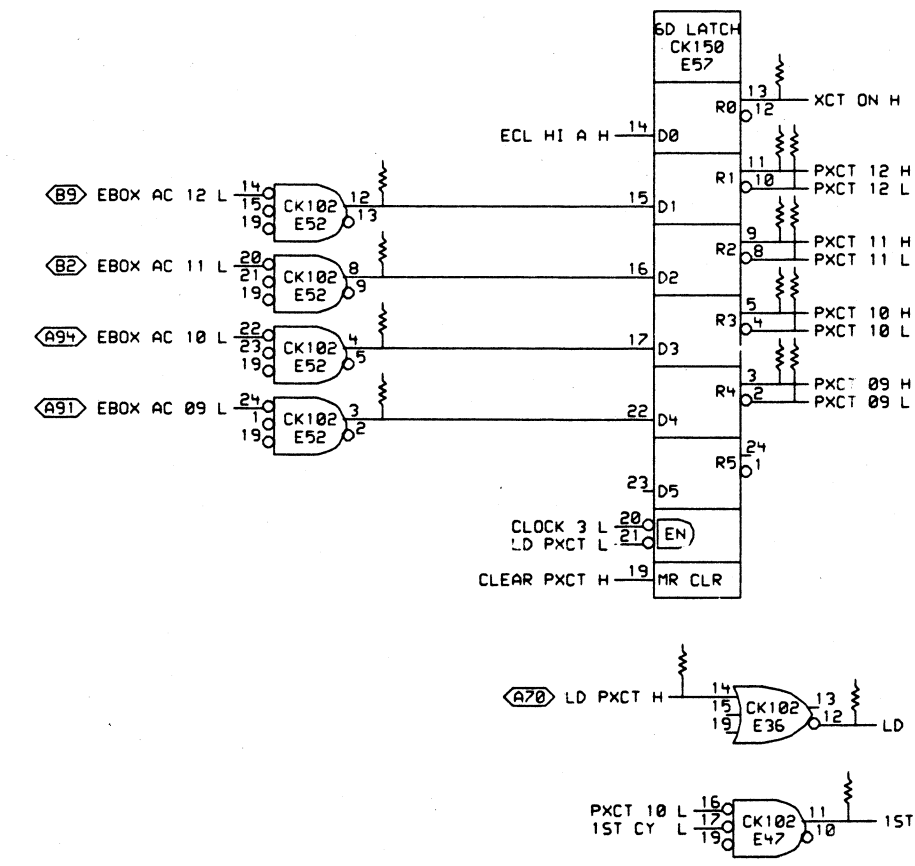
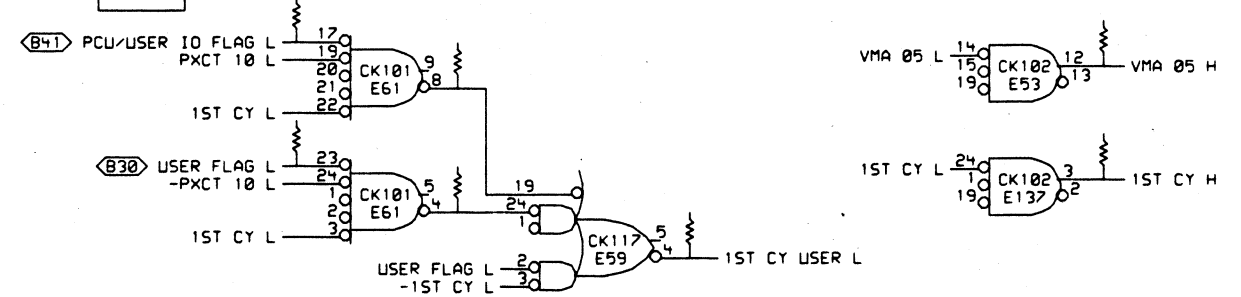
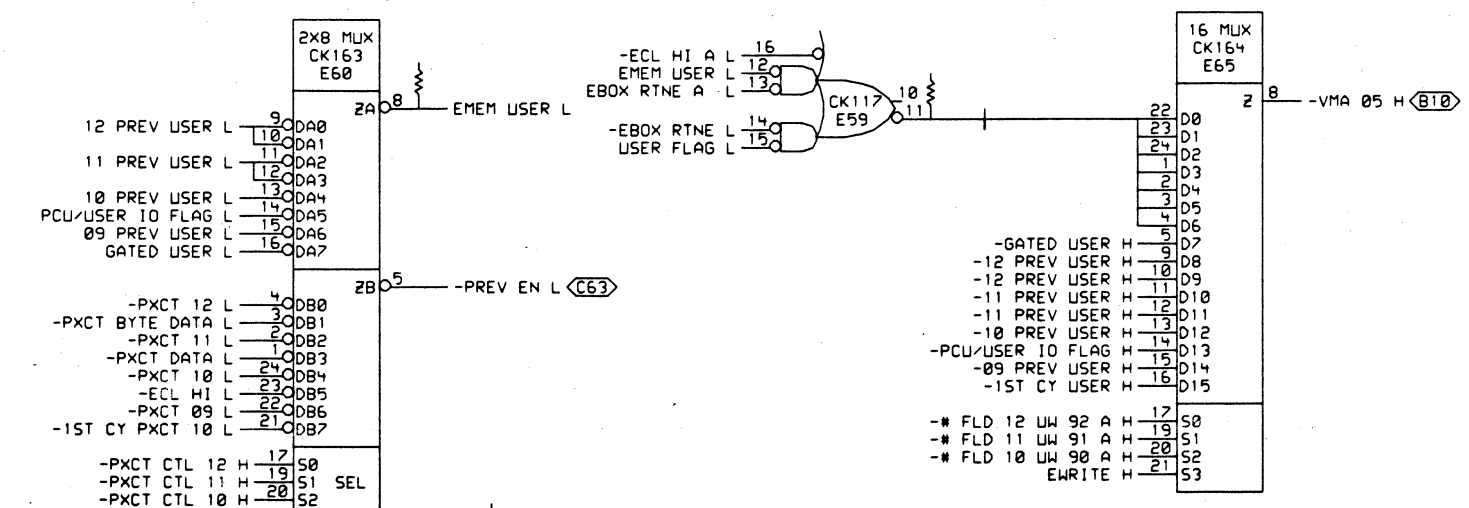
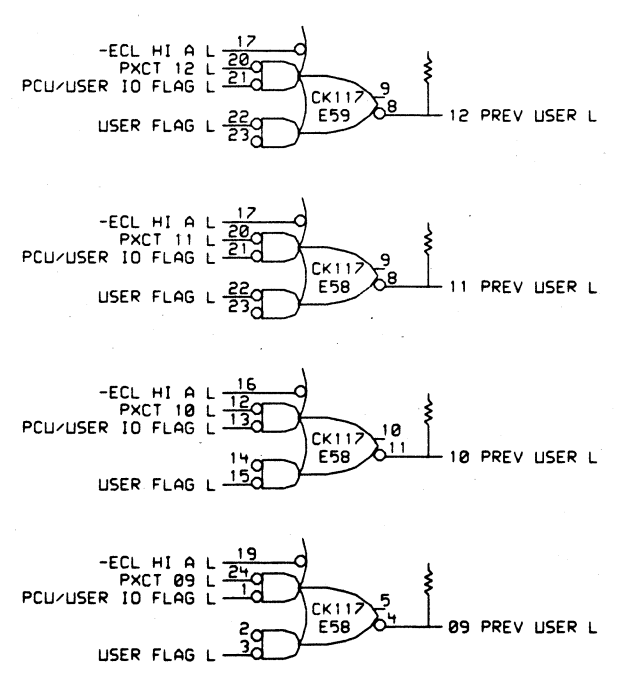
DRN.	DATE	ENG.	DATE	TITLE:	DIAG TAG		
CHK'D.	DATE	BOARD LOCATION:	SHEET	OF	SIZE	CODE	NUMBER
ARCH: <UMLER_PLOTS> MID9.DRW 11-DEC-82 17:35				NEXT HIGHER ASSEMBLY:	D	C5	L0069-0-MID9
FIRST USED ON OPTION/MODEL:							REV.



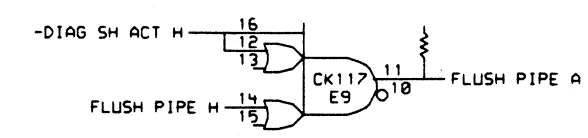
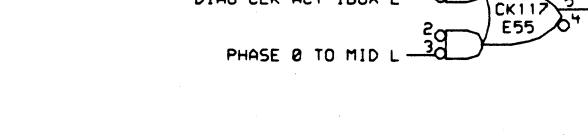
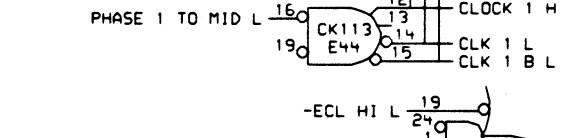
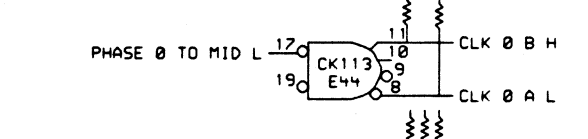
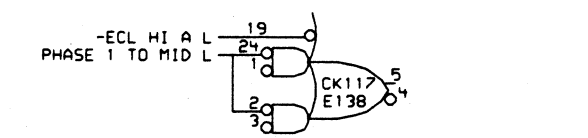
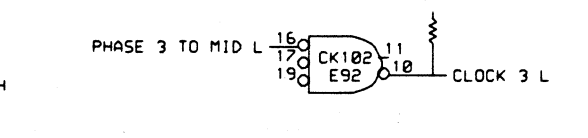
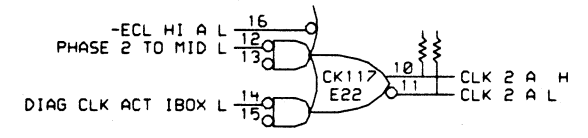
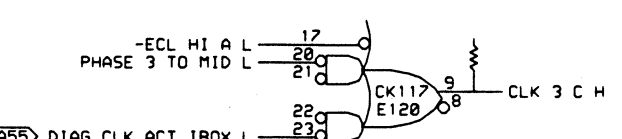
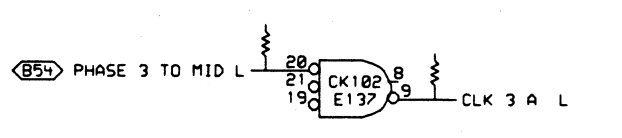
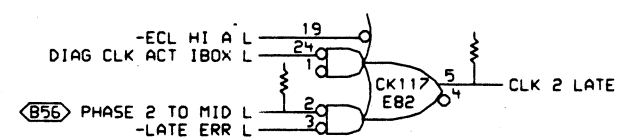
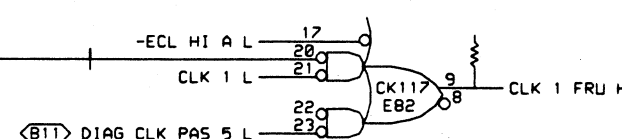
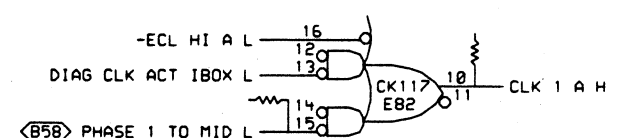
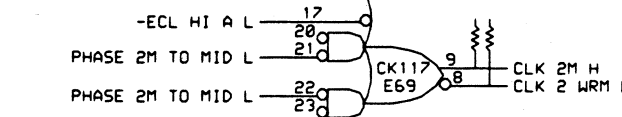
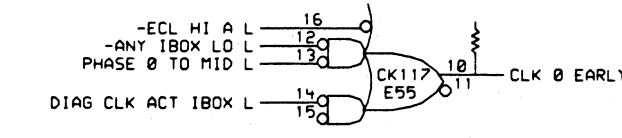
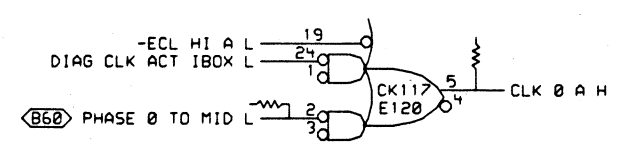
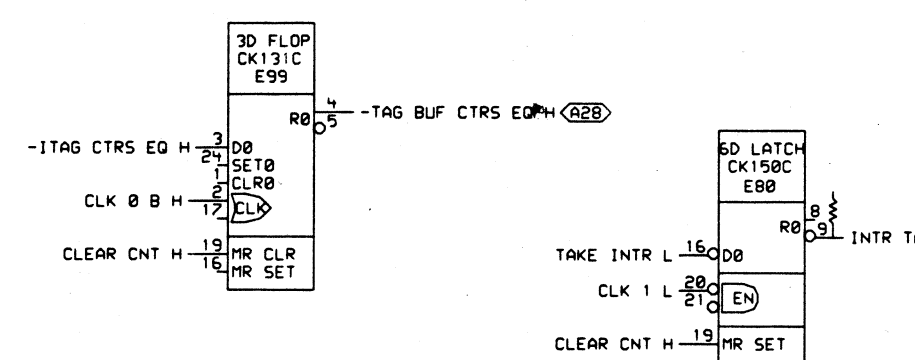
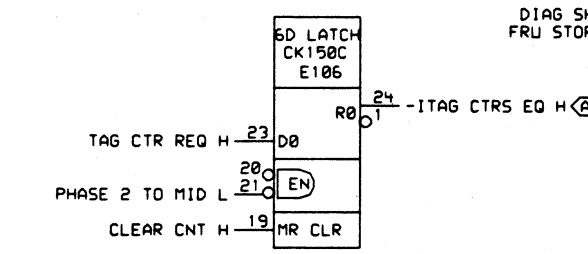
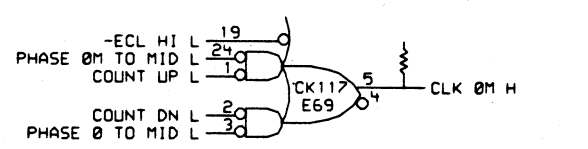
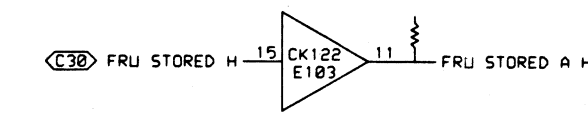
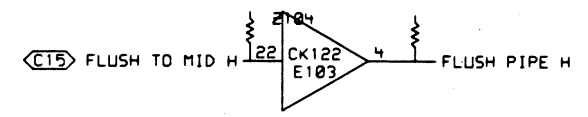
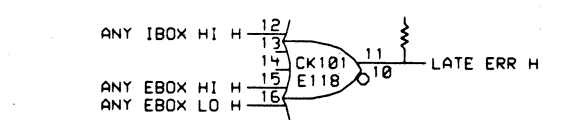
DRN.	DATE	ENG.	DATE	TITLE:	BLOCK WR		
CHK'D.	18-JAN-83	BOARD LOCATION:					
ARCH: \LUMLER.PLOTS\MIDA.DRW	18-SEP-82 20:31	SHEET	OF	SIZE	CODE	NUMBER	REV.
FIRST USED ON OPTION/MODEL:				D	CS	L0069-0-MIDA	



DRN.	DATE	ENG.	DATE	TITLE:	10 USEC SYNC		
CHK'D.	DATE	BOARD LOCATION:					
ARCH:CUHLER.PLOTS\MIDB.DRW		18-SEP-82 20:31	NEXT HIGHER ASSEMBLY:	SIZE	CODE	NUMBER	REV.
FIRST USED ON OPTION/MODEL:				D	CS	L0069-0-MIDB	

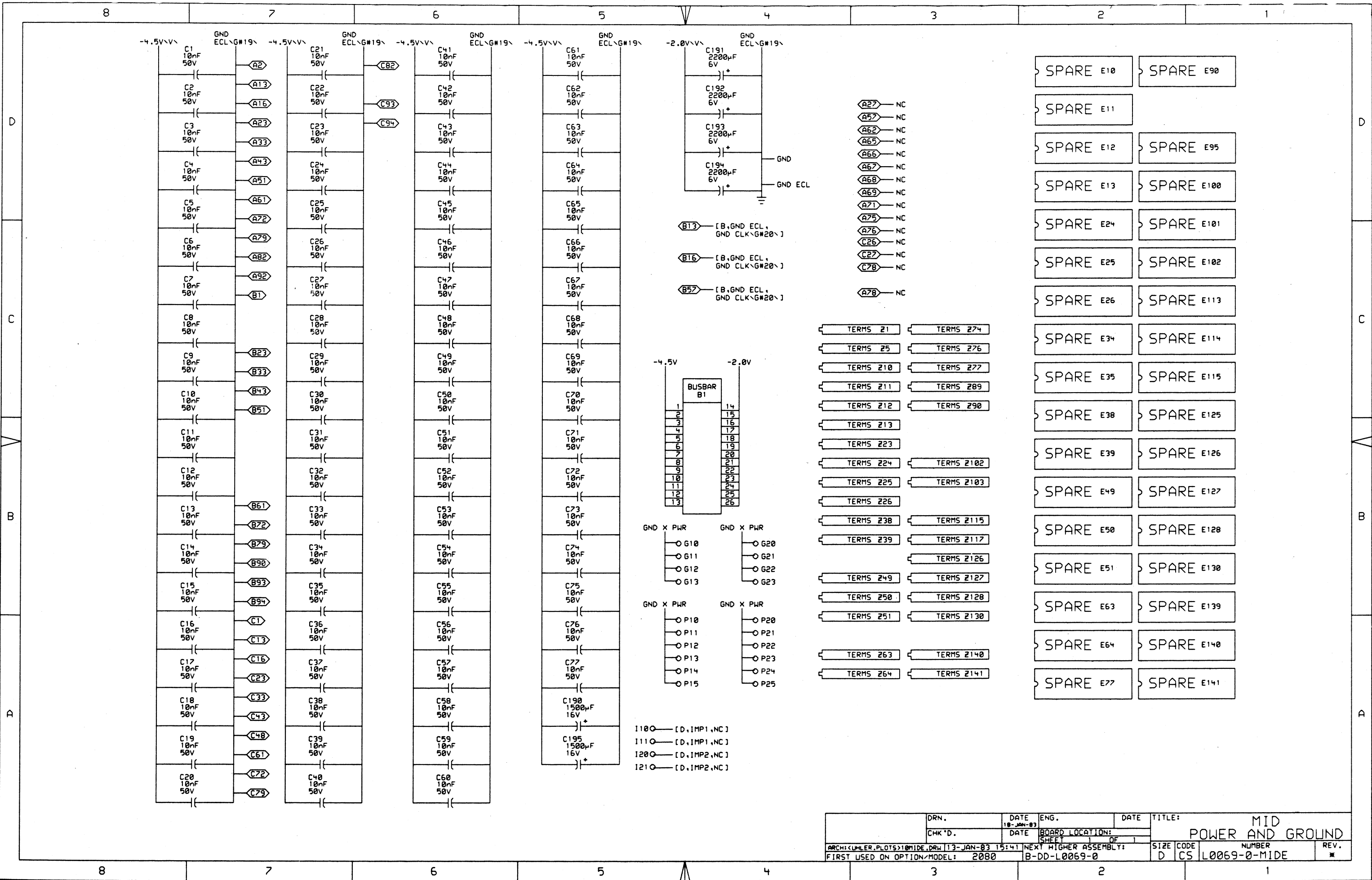


DRN.	DATE	ENG.	DATE	TITLE:	XCT/USER		
CHK'D.	DATE	BOARD LOCATION:	SHEET	OF	SIZE	CODE	NUMBER
ARCH: <UHLER.PLOTS>MIDC.DRW 18-SEP-82 20:34 NEXT HIGHER ASSEMBLY:				REV.	D	CS	L0069-0-MIDC



[B,DIAG CLK PAS 5 L,DIAG CLK PAS 13 L] - C65
 [B,DIAG CLK ACT IBOX,DIAG CLK ACT MID] L - C76

DRN.	DATE	ENG.	DATE	TITLE:	I O DRIVE		
CHK'D.	DATE	BOARD LOCATION:	SHEET	OF	SIZE	CODE	NUMBER
ARCH: <UMLR, PLOTS> MIDD.DRW 20-OCT-82 16:22 NEXT HIGHER ASSEMBLY:				D	CS	L0069-0-MIDD	REV.
FIRST USED ON OPTION/MODEL:				D-BB-L0069-0			



8

7

6

5

4

3

2

1

D

D

C

C

B

B

A

A

VULCAN:<2000.L0053>56 INX1
 VULCAN:<2000.L0053>62 INX2
 VULCAN:<2000.L0053> INX3
 VULCAN:<2000.L0053>62 INX4
 VULCAN:<2000.L0053>27 INX5
 VULCAN:<2000.L0053>36 INX6
 VULCAN:<2000.L0053>29 INX7
 VULCAN:<2000.L0053>29 INX8
 VULCAN:<2000.L0053>25 INX9
 VULCAN:<2000.L0053>27 INXA
 VULCAN:<2000.L0053>62 INXB
 VULCAN:<2000.L0053>67 INXC
 VULCAN:<2000.L0053>67 INXD
 VULCAN:<2000.L0053>62 INXE
 VULCAN:<2000.L0053>62 INXF
 VULCAN:<2000.L0053>55 INXG
 VULCAN:<2000.L0053>63 INXH
 VULCAN:<2000.L0053>57 INXI
 VULCAN:<2000.L0053>45 INXJ

DRN.	DATE	ENG.	DATE	TITLE:
CHK'D.	DATE	BOARD LOCATION:		
ARCHI<L0053>INXDIR.DPL.1		13-DEC-02 08:07	NEXT HIGHER ASSEMBLY:	SIZE
FIRST USED ON OPTION/MODEL:			D	SP
			NUMBER	REV.

8

7

6

5

4

3

2

1

E141	E128	E115	E102	E090	E077	E064	E051	E039	E026	E013
E140	E127	E114	E101	E089	E076	E063	E050	E038	E025	E012
E139	E126	E113	E100	E088	E075	E062	E049	E037	E024	E011
E138	E125	E112	E099	E087	E074	E061	E048	E036	E023	E010
E137	E124	E111	E098	E086	E073	E060	E047	E035	E022	E009
E136	E123	E110	E097	E085	E072	E059	E046	E034	E021	E008
E135	E122	E109	E096	E084	E071	E058	E045	E033	E020	E007
E134	E121	E108	E095	E083	E070	E057	E044	E032	E019	E006
E133	E120	E107	E094	E082	E069	E056	E043	E031	E018	E005
E132	E119	E106	E093	E081	E068	E055	E042	E030	E017	E004
E131	E118	E105	E092	E080	E067	E054	E041	E029	E016	E003

+ C095 + + C094 + + C093 + + C092 + + C091 + + C090 +

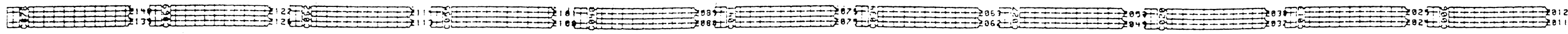
E130	E117	E104	E091	E079	E066	E053	E040	E028	E015	E002
E129	E116	E103	E078	E065	E052	E027	E014	E001		

LUT

"141"

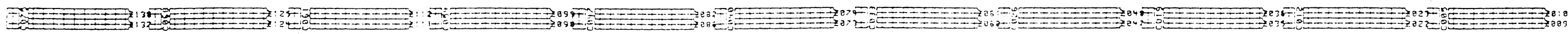
E141 E128 E115 E102 E090 E077 E064 E051 E039 E026 E013

E140 E127 E114 E101 E089 E076 E063 E050 E038 E025 E012



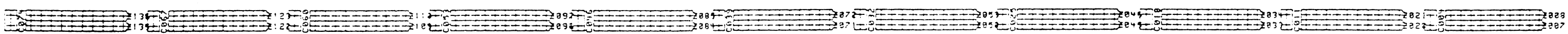
E139 E126 E113 E100 E088 E075 E062 E049 E037 E024 E011

E138 E125 E112 E099 E087 E074 E061 E048 E036 E023 E010



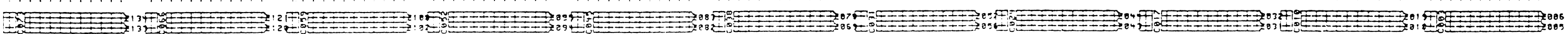
E137 E124 E111 E098 E086 E073 E060 E047 E035 E022 E009

E136 E123 E110 E097 E085 E072 E059 E046 E034 E021 E008



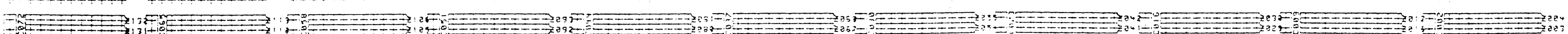
E135 E122 E109 E096 E084 E071 E058 E045 E033 E020 E007

E134 E121 E108 E095 E083 E070 E057 E044 E032 E019 E006



E133 E120 E107 E094 E082 E069 E056 E043 E031 E018 E005

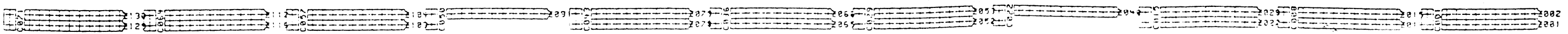
E132 E119 E106 E093 E081 E068 E055 E042 E030 E017 E004



E131 E118 E105 E092 E080 E067 E054 E041 E029 E016 E003

+ C095 + + C094 + + C093 - - C092 - + C091 + + C090 +

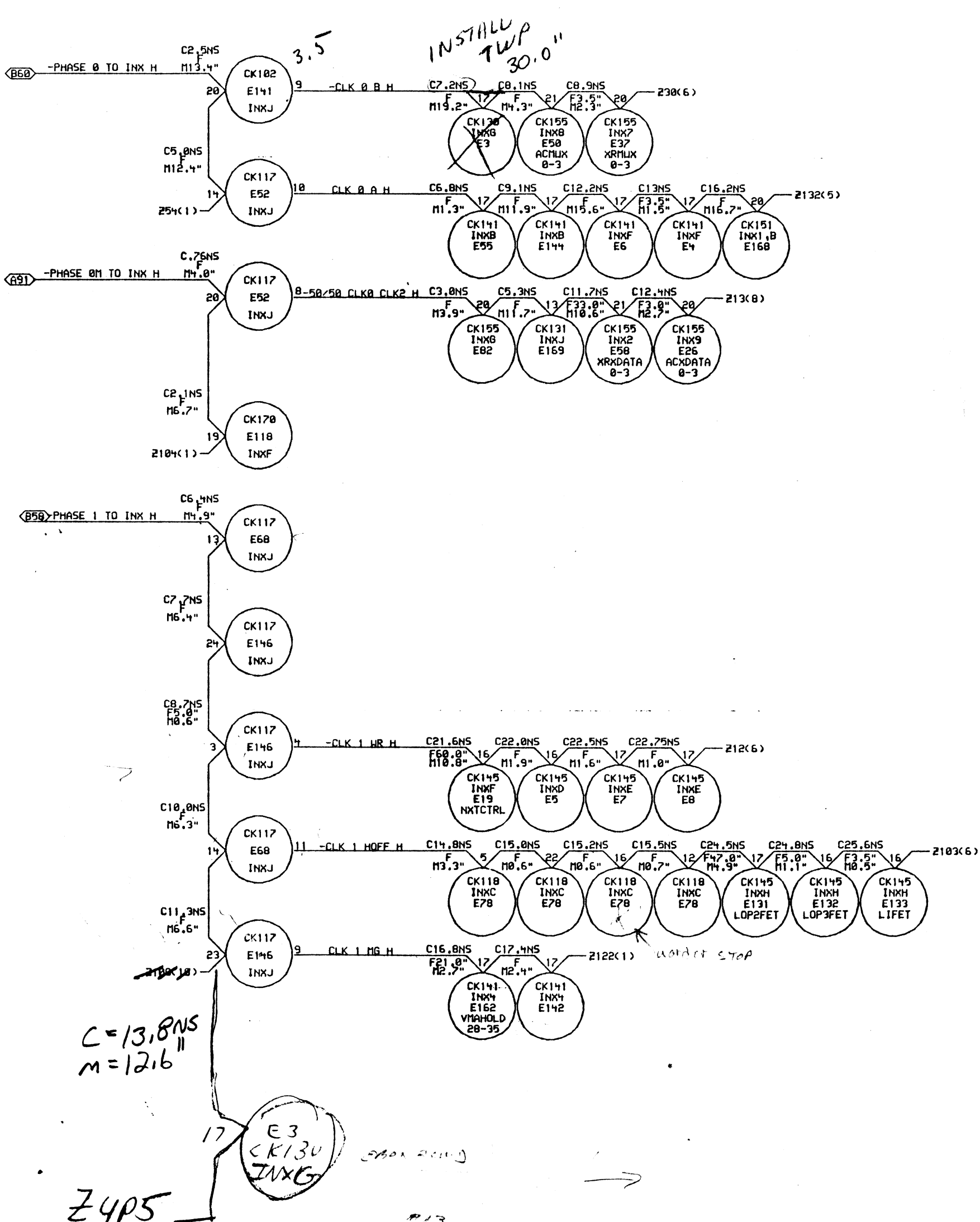
E130 E117 E104 E091 E079 E066 E053 E040 E028 E015 E002



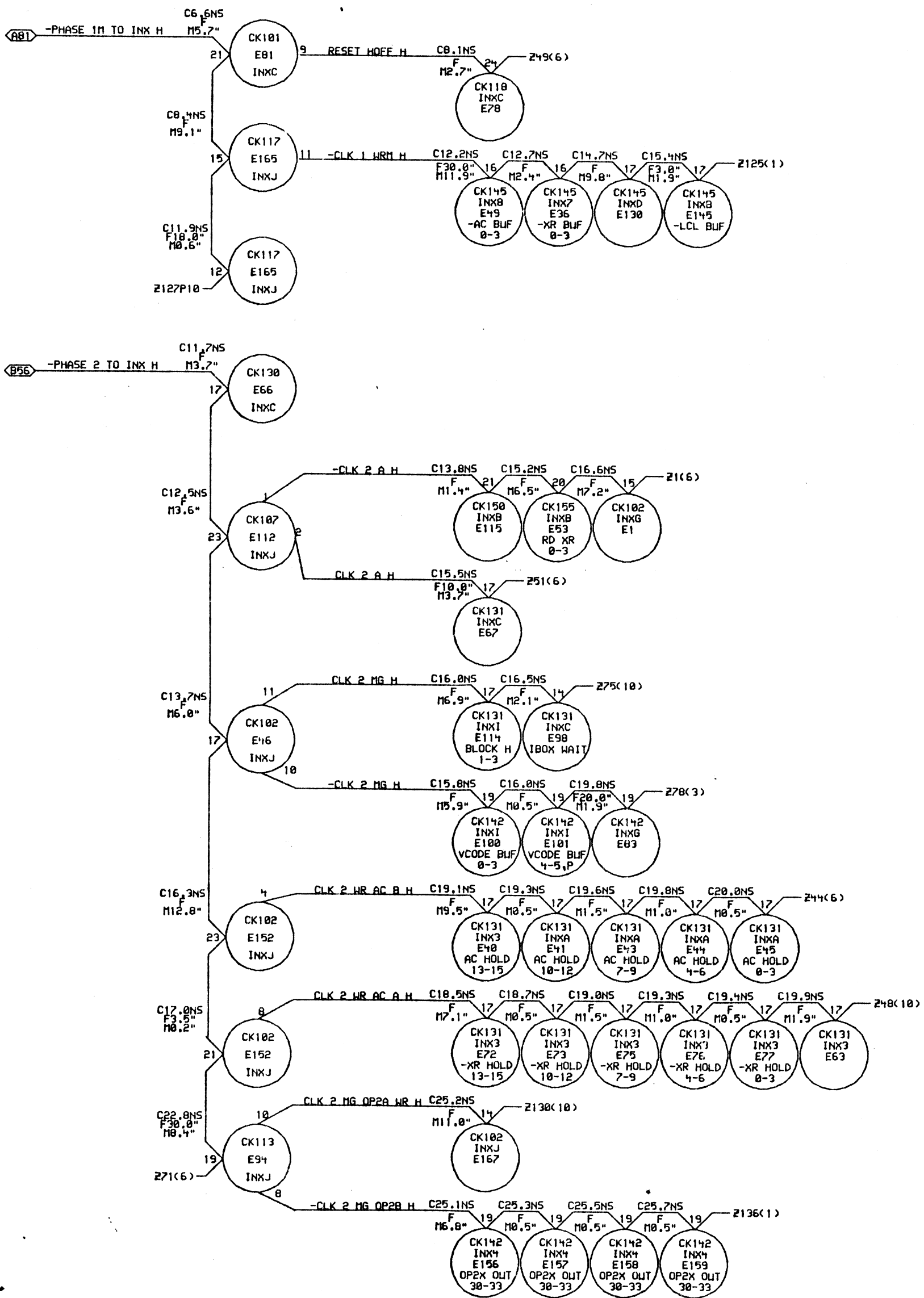
E129 E116 E103 E078 E065 E052 E027 E014 E001

INDEX

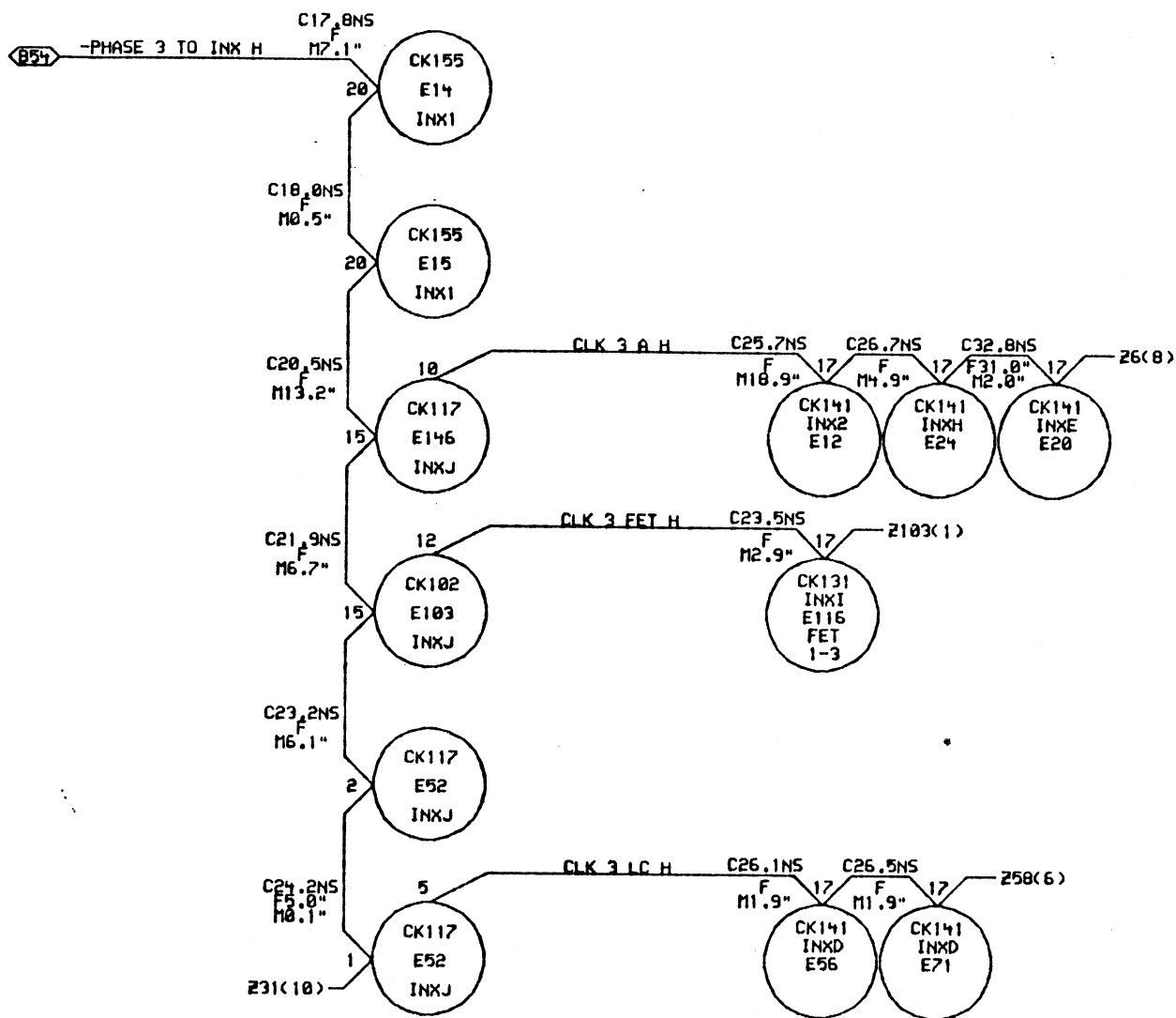
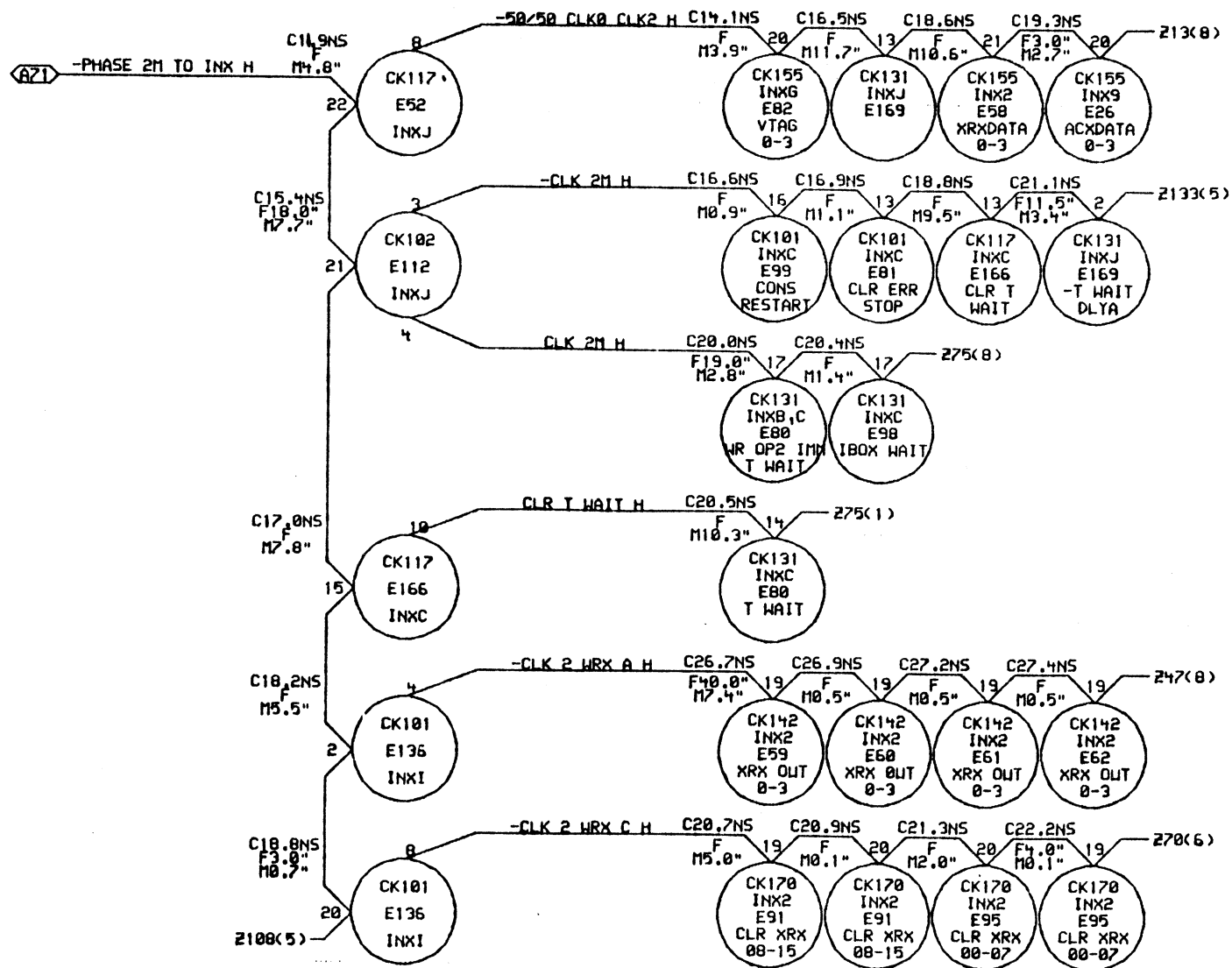
CINX



DRN.	DATE	ENG.	DATE	TITLE
CHK'D.	DATE	BOARD LOCATION	SHEET	CINX TIMING 1 OF 4
FIRST USED ON OPTION MODEL:				SIZE CODE NUMBER REV.
				D CS L0053-0-CINX

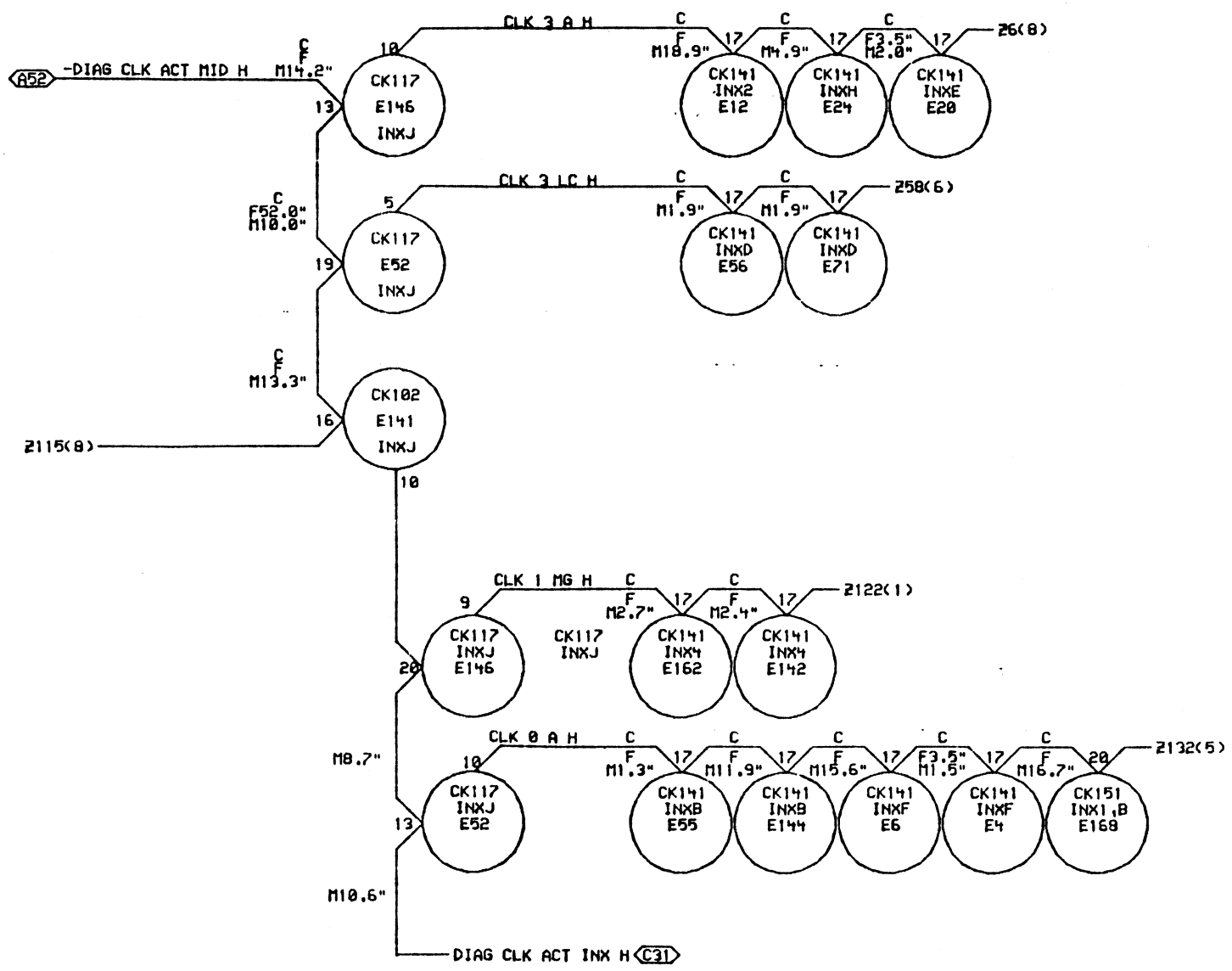


DRN.	DATE	ENG.	DATE	TITLE:
CHK'D.	DATE	BOARD LOCATION:		CINX TIMING 2 OF 4
FIRST USED ON OPTION/MODEL:				SIZE CODE NUMBER REV.
				D CS L0053-0-CINX

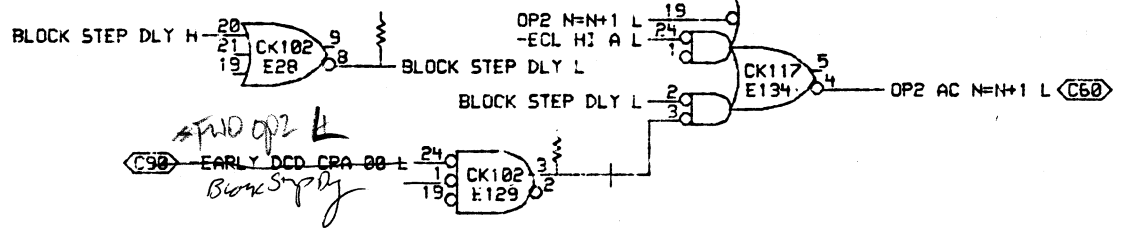
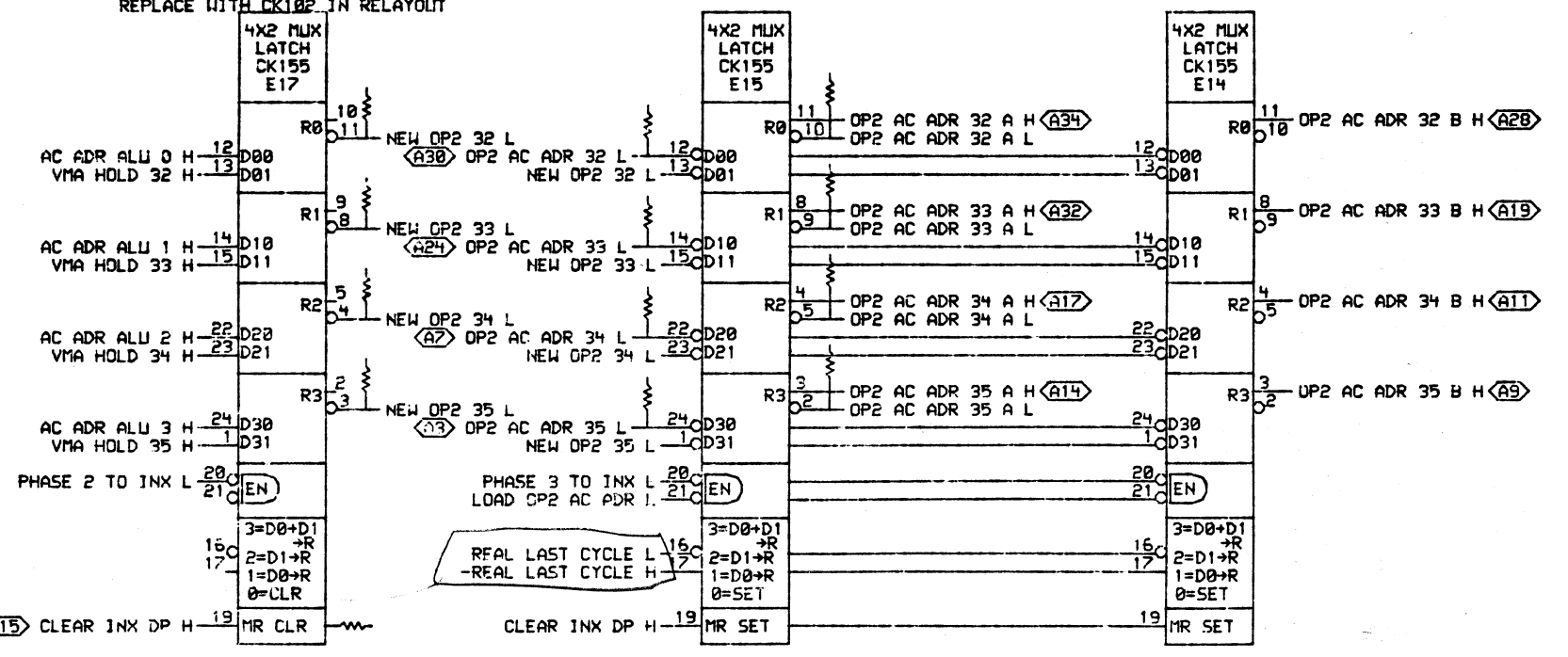
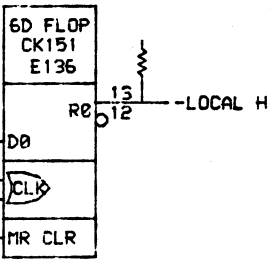
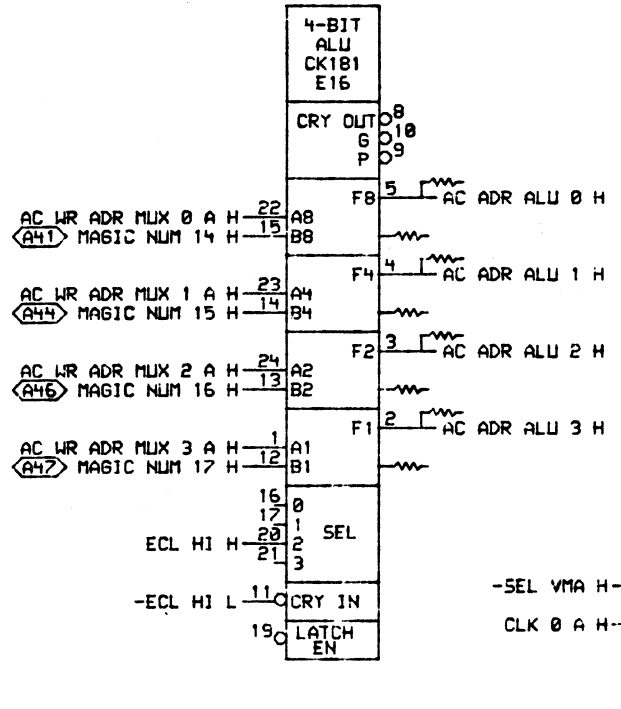
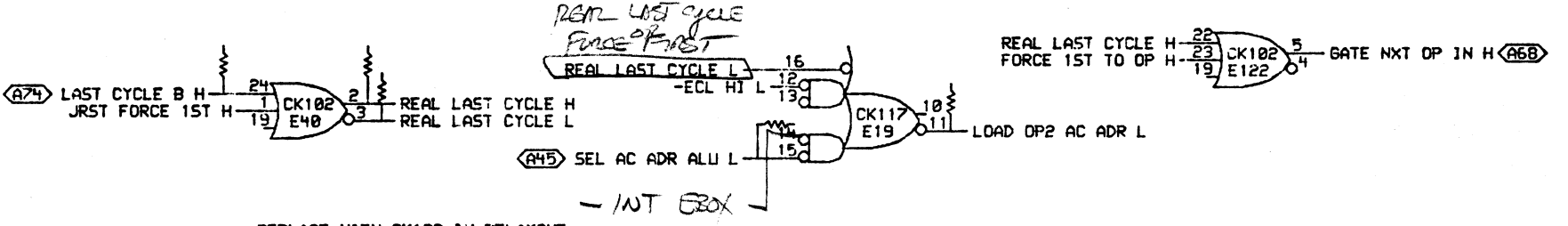
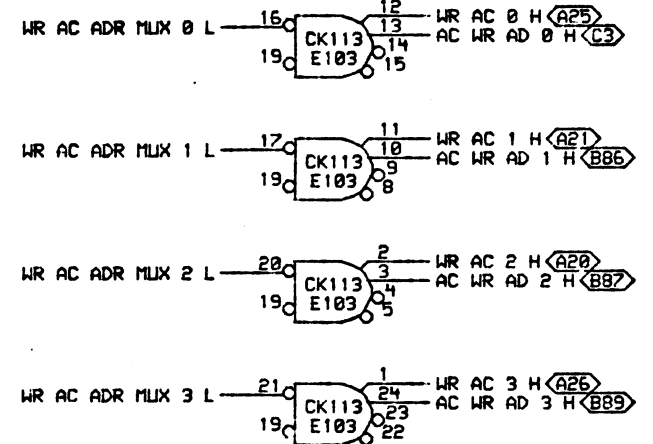
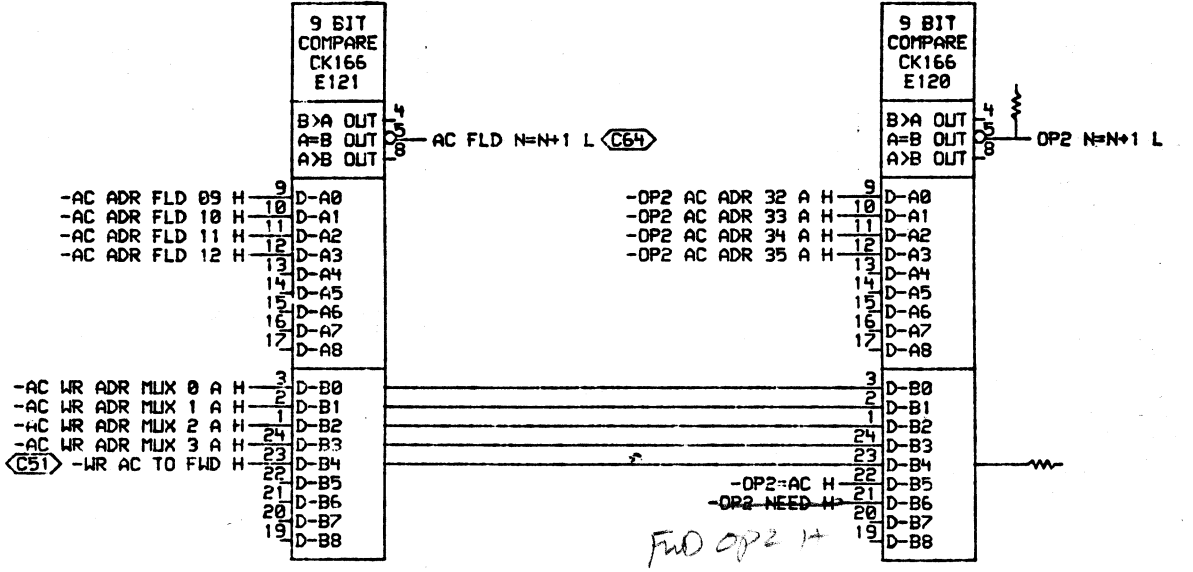
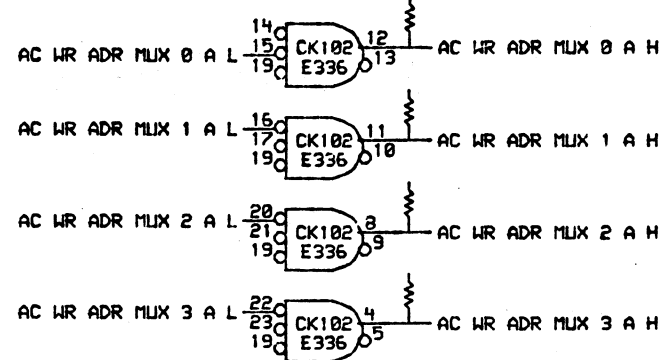
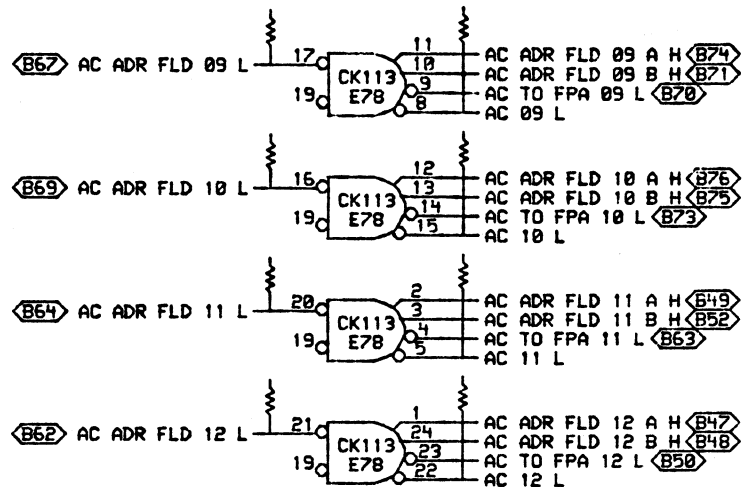


DRN.	DATE	ENG.	DATE	TITLE:
CHK'D.	DATE	BOARD LOCATION:		CINX
VIA CAN (2000) CINX TIMING 103-AUG-82 15134 NEXT HIGHER ASSEMBLY:				NUMBER
FIRST USED ON OPTION/MODEL:				REV.

CINX
TIMING 3 OF 4
NUMBER
L0053-00-CINX



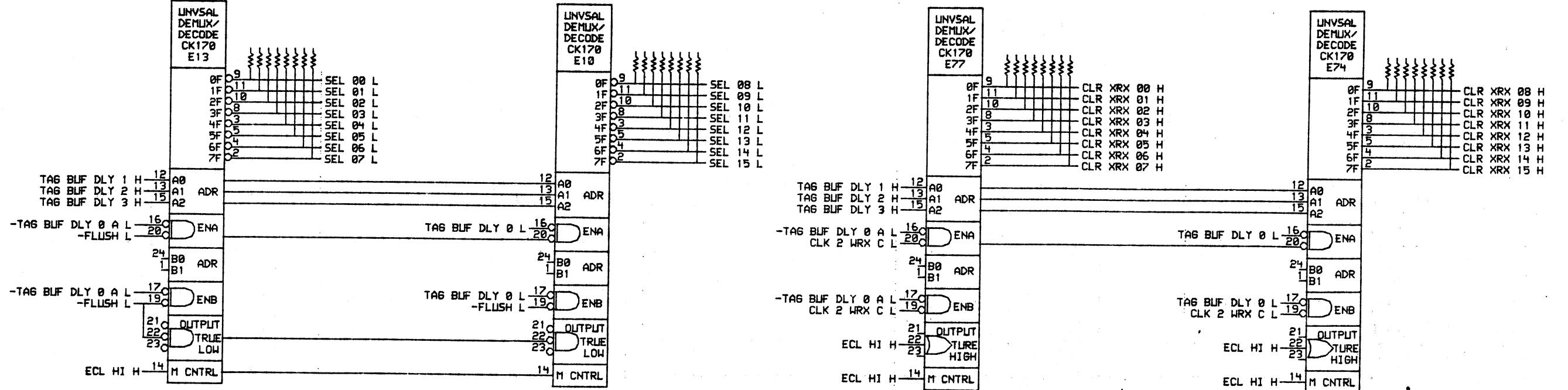
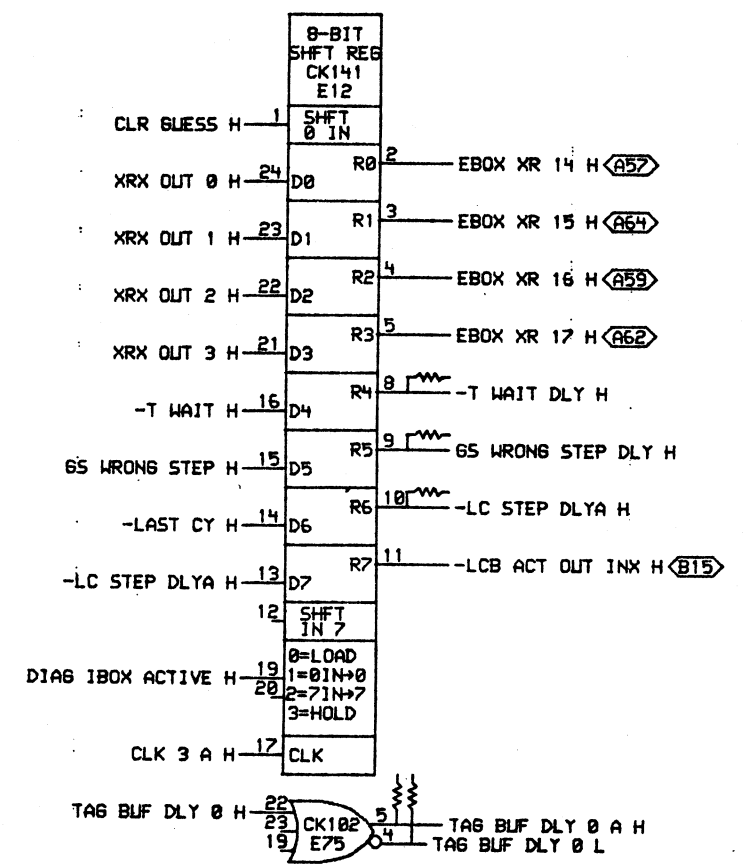
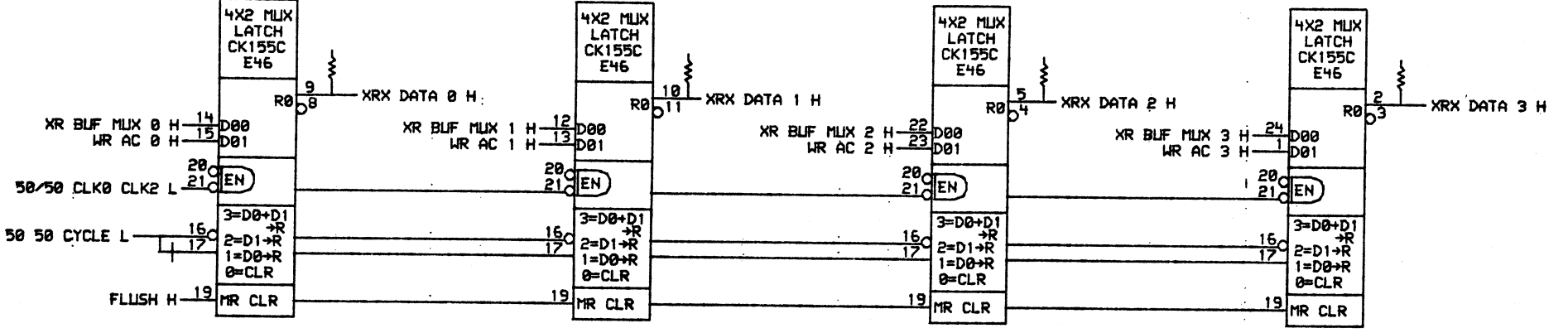
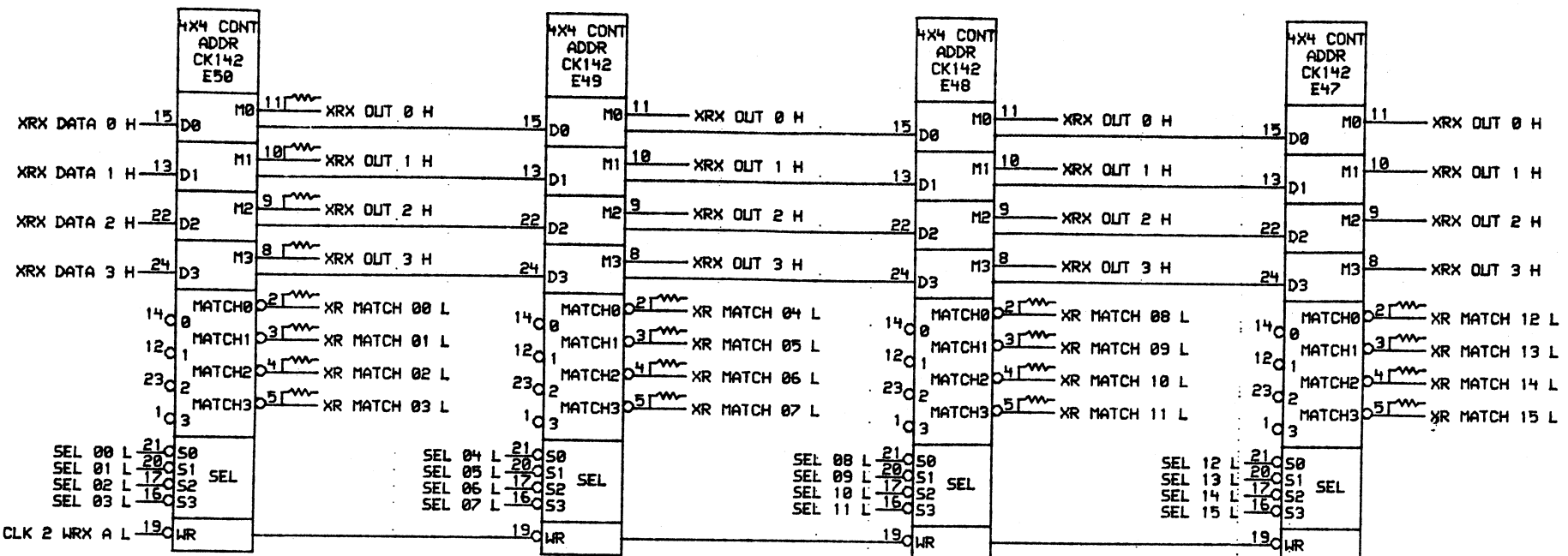
DRN.	DATE	ENG.	DATE	TITLE:
CHK'D.	DATE	BOARD LOCATION:		CINX
VIA CON: (2000, CINX) TIMING DRAW 103-ALIG-82 15136				TIMING 4 OF 4
FIRST USED ON OPTION/MODEL:				SIZE CODE NUMBER REV.
				D CS L0053-0-CINX 1

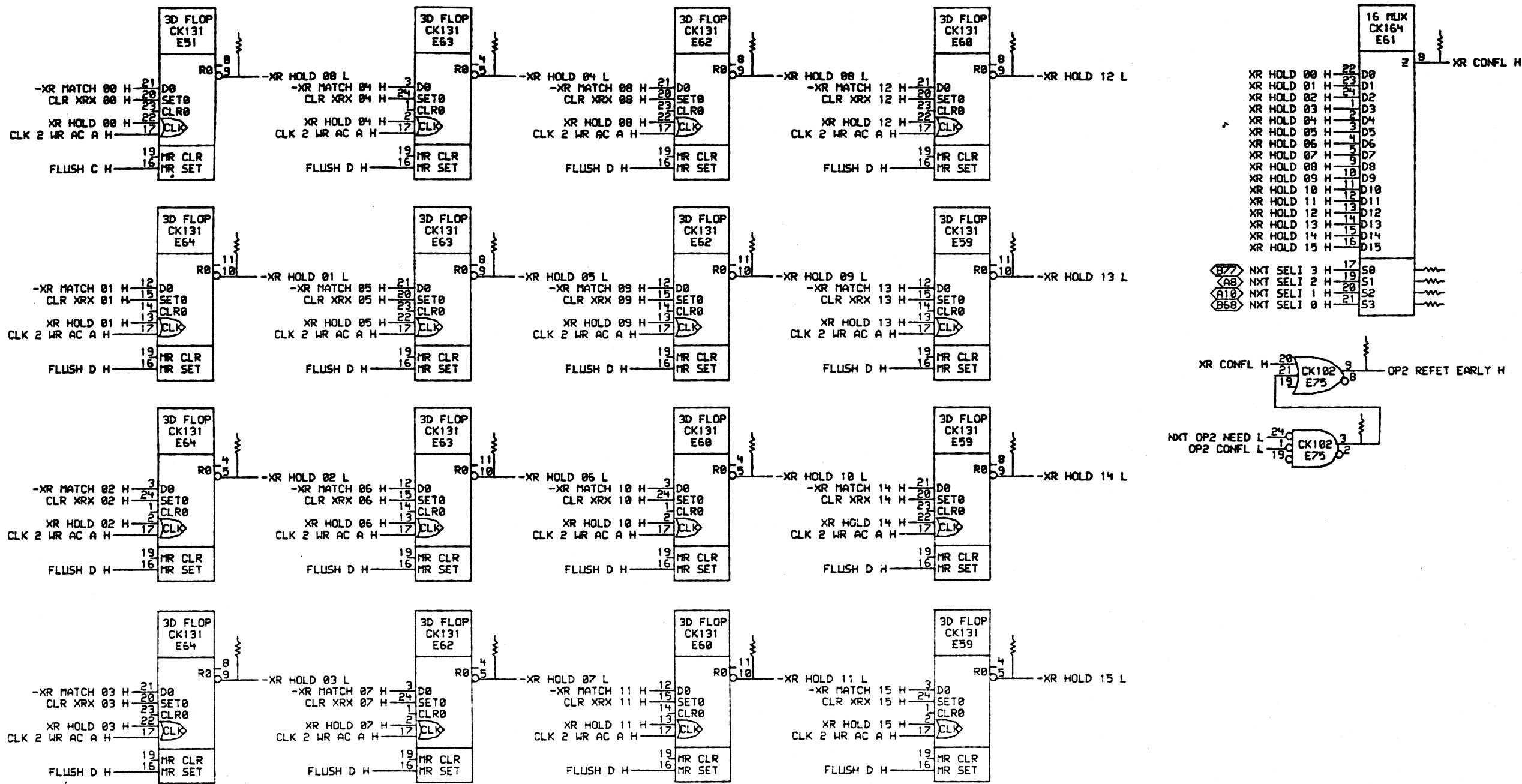


THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1982. DIGITAL EQUIPMENT CORPORATION.

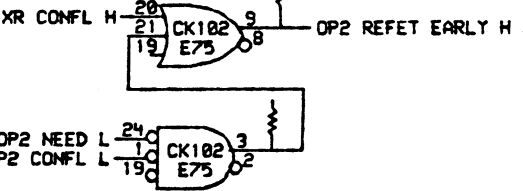
REVISIONS		
CHK	CHANGE NO.	REV

digital	DATE	ENG.	DATE	TITLE:	AC ADR
	CHK'D.	83-AUG-82			
VIA CALL: (2000-1-0053) INK1.DRW		DATE	BOARD LOCATION:		
FIRST USED ON OPTION/MODEL:			SHEET	OF	
SIZE	CODE	NUMBER	REV.		
D	CS	L0053-0-INX1			





XR HOLD 00 H	22	D0
XR HOLD 01 H	23	D1
XR HOLD 02 H	24	D2
XR HOLD 03 H	25	D3
XR HOLD 04 H	26	D4
XR HOLD 05 H	27	D5
XR HOLD 06 H	28	D6
XR HOLD 07 H	29	D7
XR HOLD 08 H	30	D8
XR HOLD 09 H	31	D9
XR HOLD 10 H	32	D10
XR HOLD 11 H	33	D11
XR HOLD 12 H	34	D12
XR HOLD 13 H	35	D13
XR HOLD 14 H	36	D14
XR HOLD 15 H	37	D15
NXT SEL1 3 H	17	50
NXT SEL1 2 H	18	51
NXT SEL1 1 H	19	52
NXT SEL1 0 H	20	53



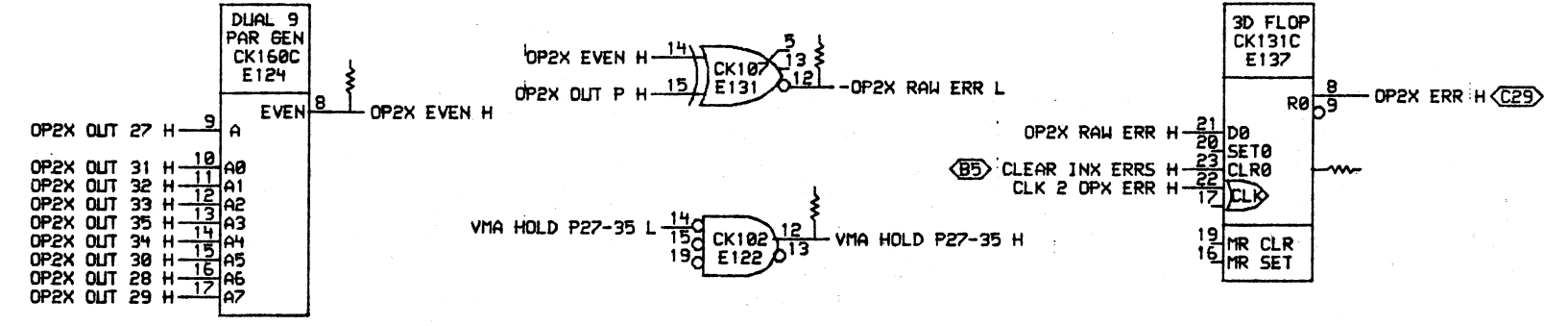
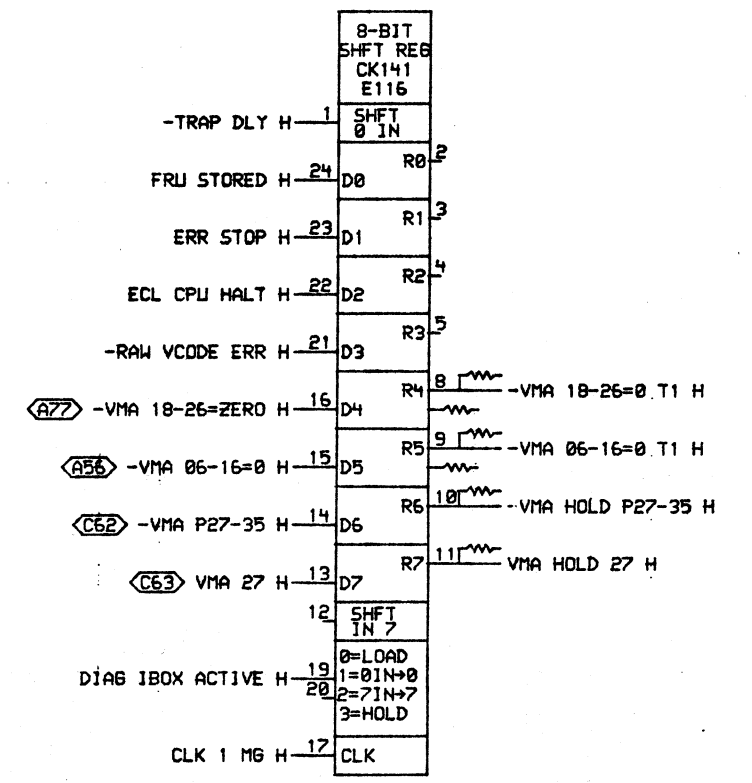
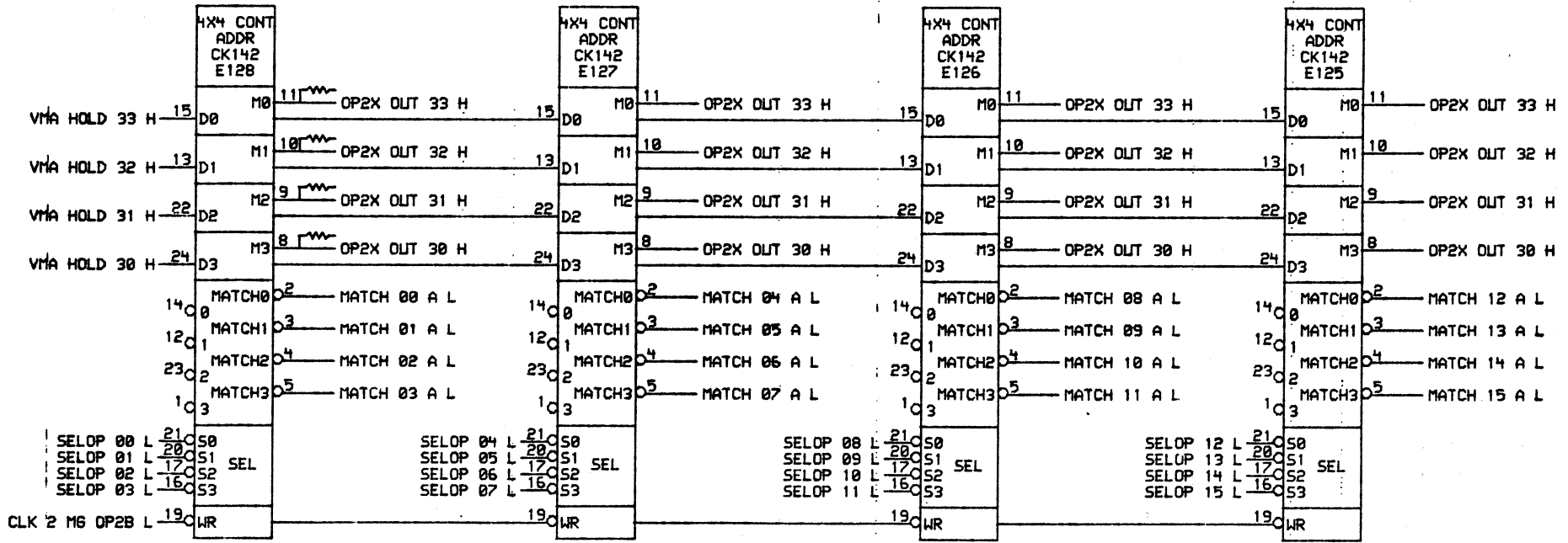
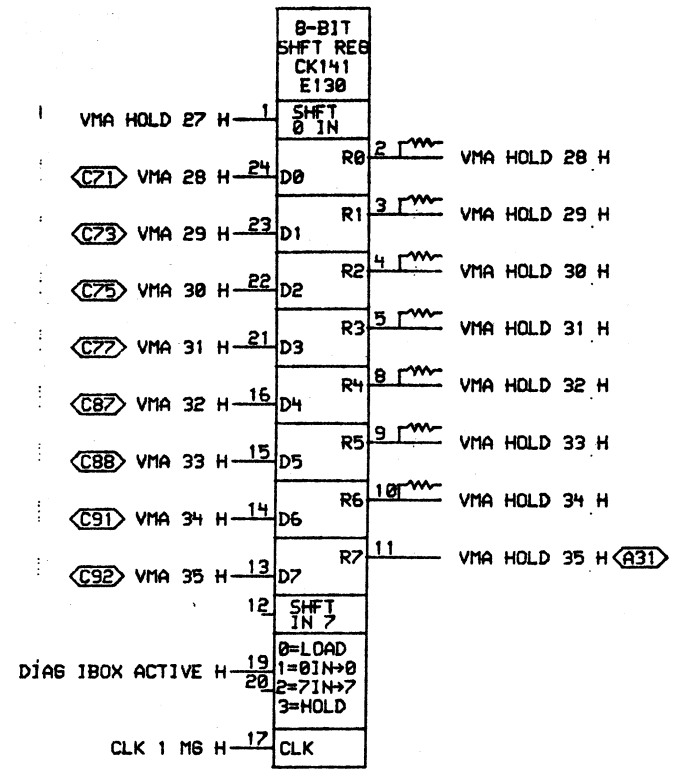
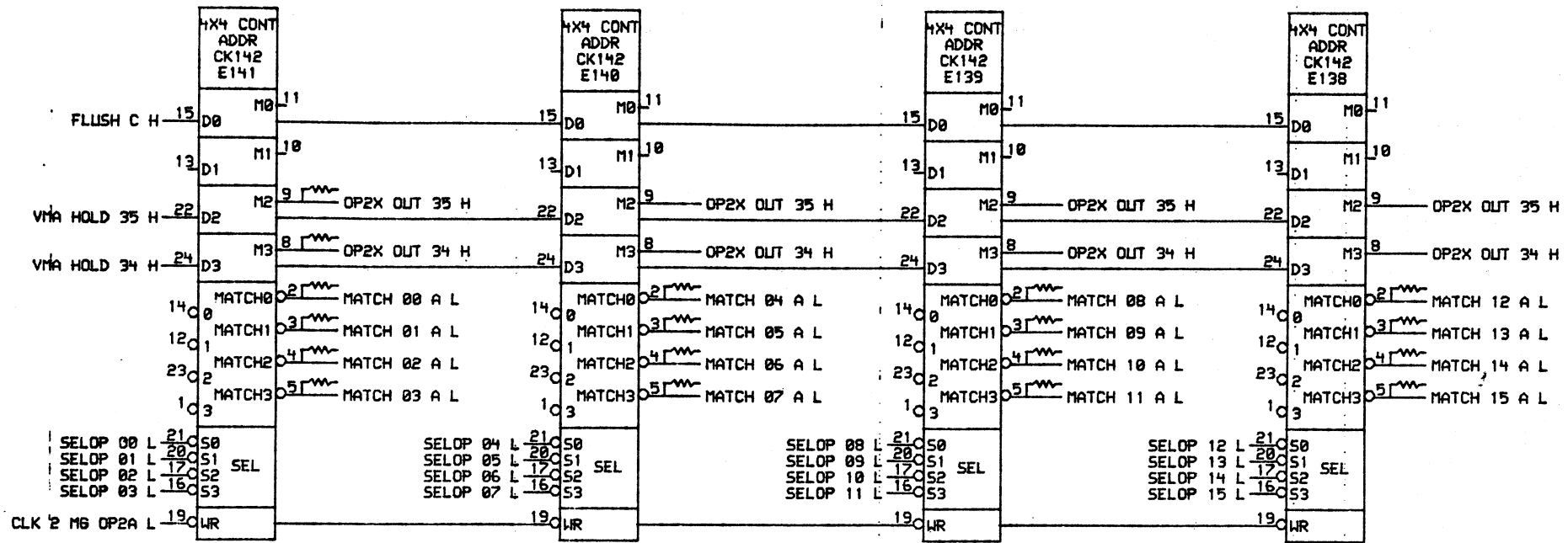
THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1982, DIGITAL EQUIPMENT CORPORATION.

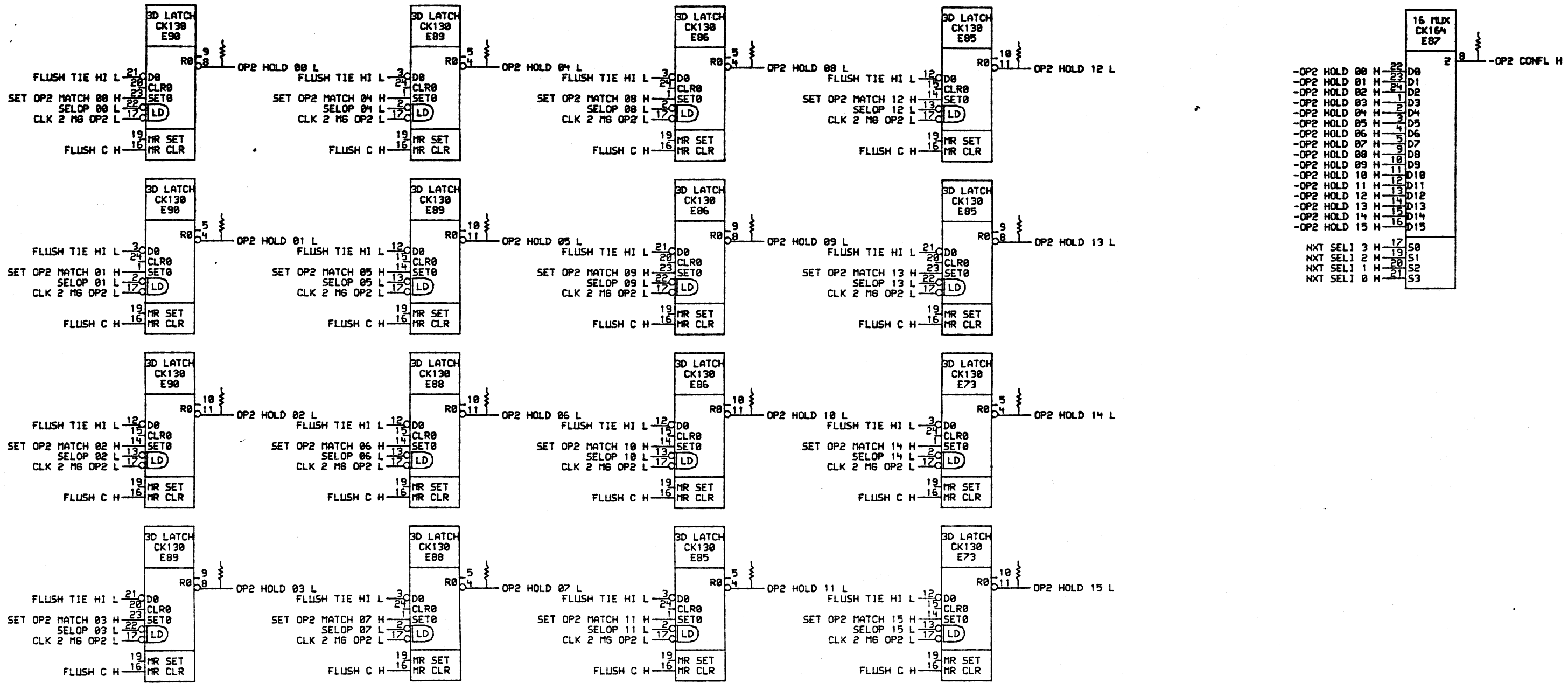
REVISIONS		
CHK	CHANGE NO.	REV

digital
 DATE 01-JAN-82
 DATE 03-MAR-81 08:51
 SHEET 01
 NEXT HIGHER ASSEMBLY:
 FIRST USED ON OPTION/MODEL:

ENG. DATE
 BOARD LOCATION:
 TITLE: XR RE-EACALC REQ
 SIZE CODE D CS
 NUMBER L0053-0-1NX3
 REV.

D
 C
 REV.
 NUMBER L0053-0-1NX3
 SIZE CODE D CS
 D



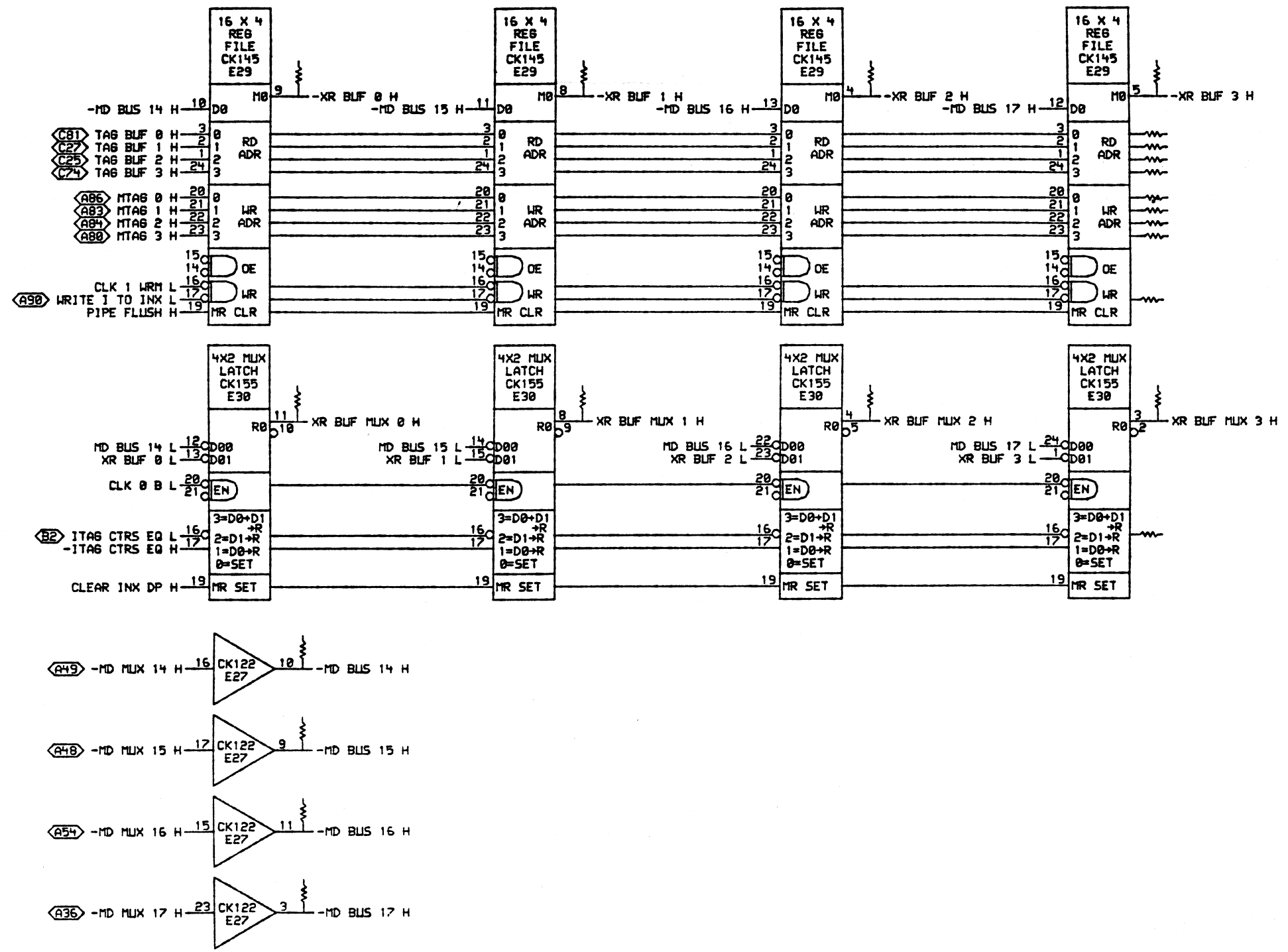


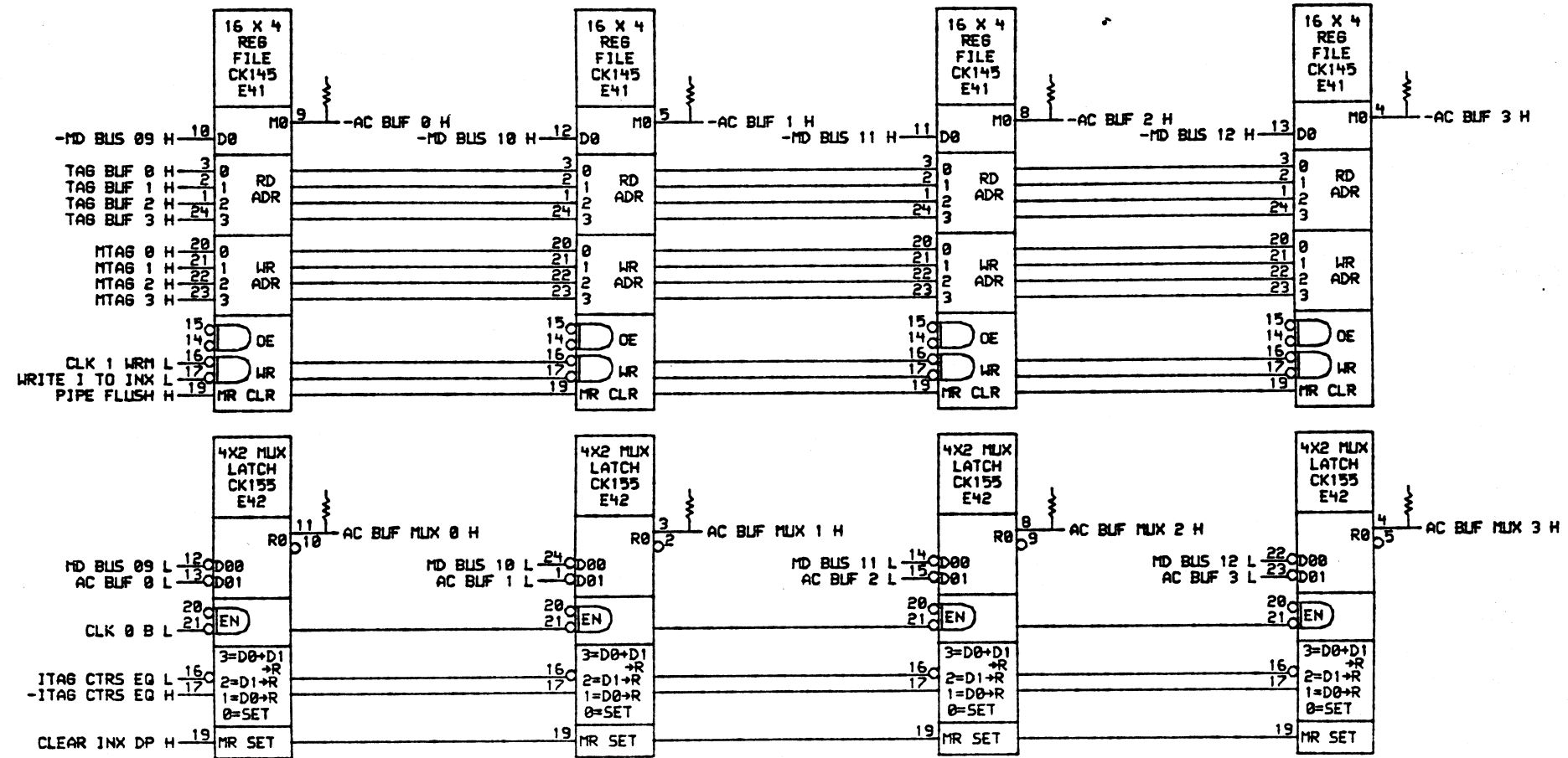
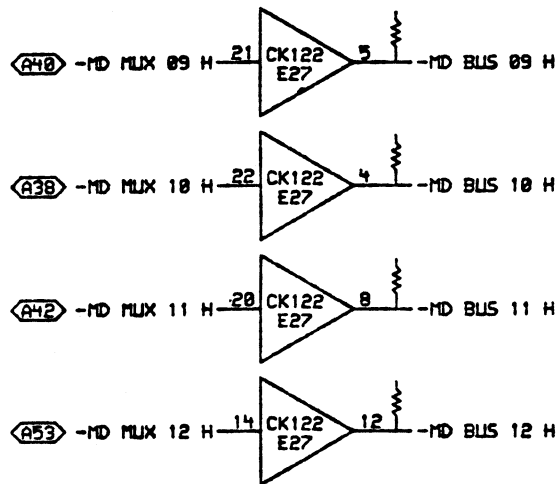
-OP2 HOLD 00 H	22	D0
-OP2 HOLD 01 H	23	D1
-OP2 HOLD 02 H	24	D2
-OP2 HOLD 03 H	1	D3
-OP2 HOLD 04 H	2	D4
-OP2 HOLD 05 H	3	D5
-OP2 HOLD 06 H	4	D6
-OP2 HOLD 07 H	5	D7
-OP2 HOLD 08 H	9	D8
-OP2 HOLD 09 H	10	D9
-OP2 HOLD 10 H	11	D10
-OP2 HOLD 11 H	12	D11
-OP2 HOLD 12 H	13	D12
-OP2 HOLD 13 H	14	D13
-OP2 HOLD 14 H	15	D14
-OP2 HOLD 15 H	16	D15
NXT SEL1 3 H	17	50
NXT SEL1 2 H	19	51
NXT SEL1 1 H	20	52
NXT SEL1 0 H	21	53

THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1982 DIGITAL EQUIPMENT CORPORATION.

REVISIONS	
CHK	CHANGE NO. REV

digital	DATE: 01-03-82	ENG.	DATE	TITLE: OP2 CONFLICT
CHK'D.	DATE	BOARD LOCATION	SHEET OF	NUMBER
FIRST USED ON OPTION/MODEL: 01-APR-82 00:24 NEXT HIGHER ASSEMBLY:				SIZE CODE: D CS L0053-0-INX6
				REV.



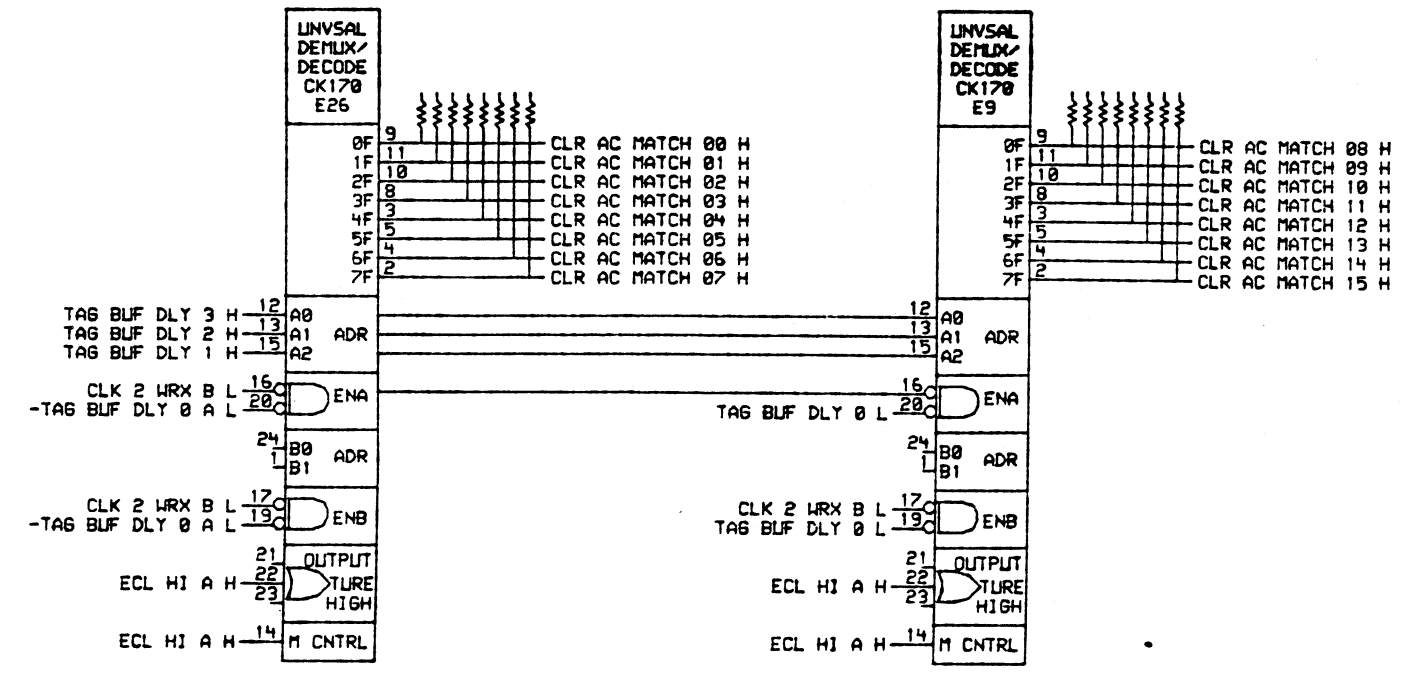
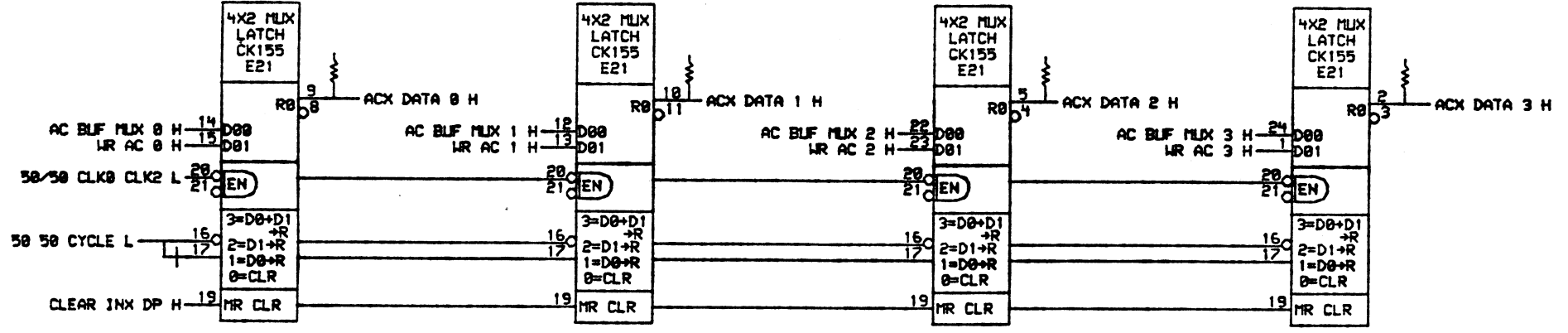
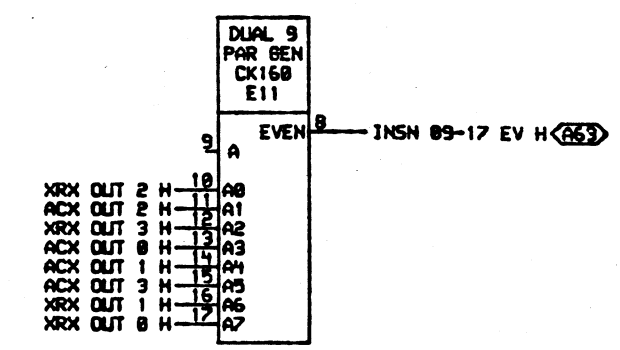
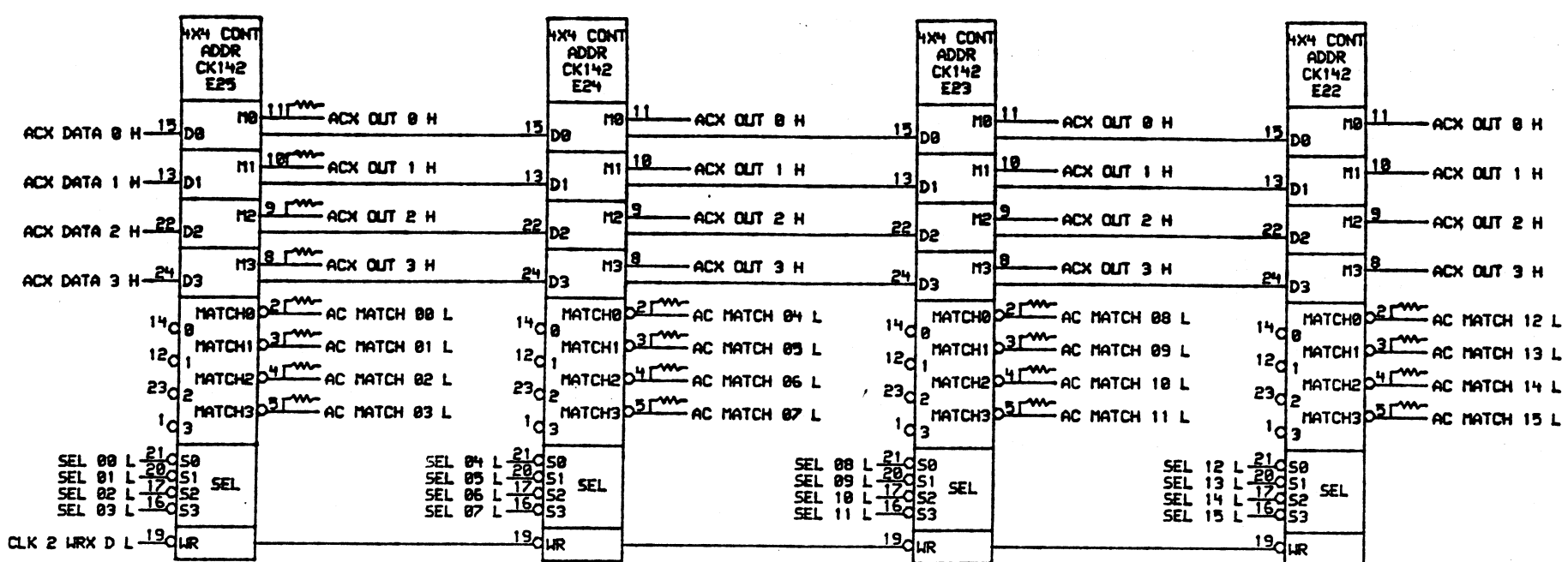


THIS DRAWING AND SPECIFICATIONS
 HEREIN ARE THE PROPERTY OF
 DIGITAL EQUIPMENT CORPORATION
 AND ARE NOT TO BE REPRODUCED OR
 TRANSMITTED IN ANY FORM OR BY
 ANY MEANS, ELECTRONIC OR MECHANICAL,
 INCLUDING PHOTOCOPYING, RECORDING,
 OR BY ANY INFORMATION STORAGE
 RETRIEVAL SYSTEM, WITHOUT PERMISSION
 IN WRITING FROM DIGITAL EQUIPMENT
 CORPORATION.

REV.	CHK	CHANGE NO.	REV.

digital DRW. *Family* DATE ENG. DATE
 CAR'D. DATE BOARD LOCATION SHEET OF
 VLSI CENTER, 8000 WEST BROAD AVENUE, DENVER, CO 80202-1008
 FIRST USED ON OPTION/MODEL: 102-MAR-82 (0136) NEXT HIGHER ASSEMBLY#

TITLE:	AC BUFFER
SIZE CODE	D CS
NUMBER	L0053-0-INX8
REV.	



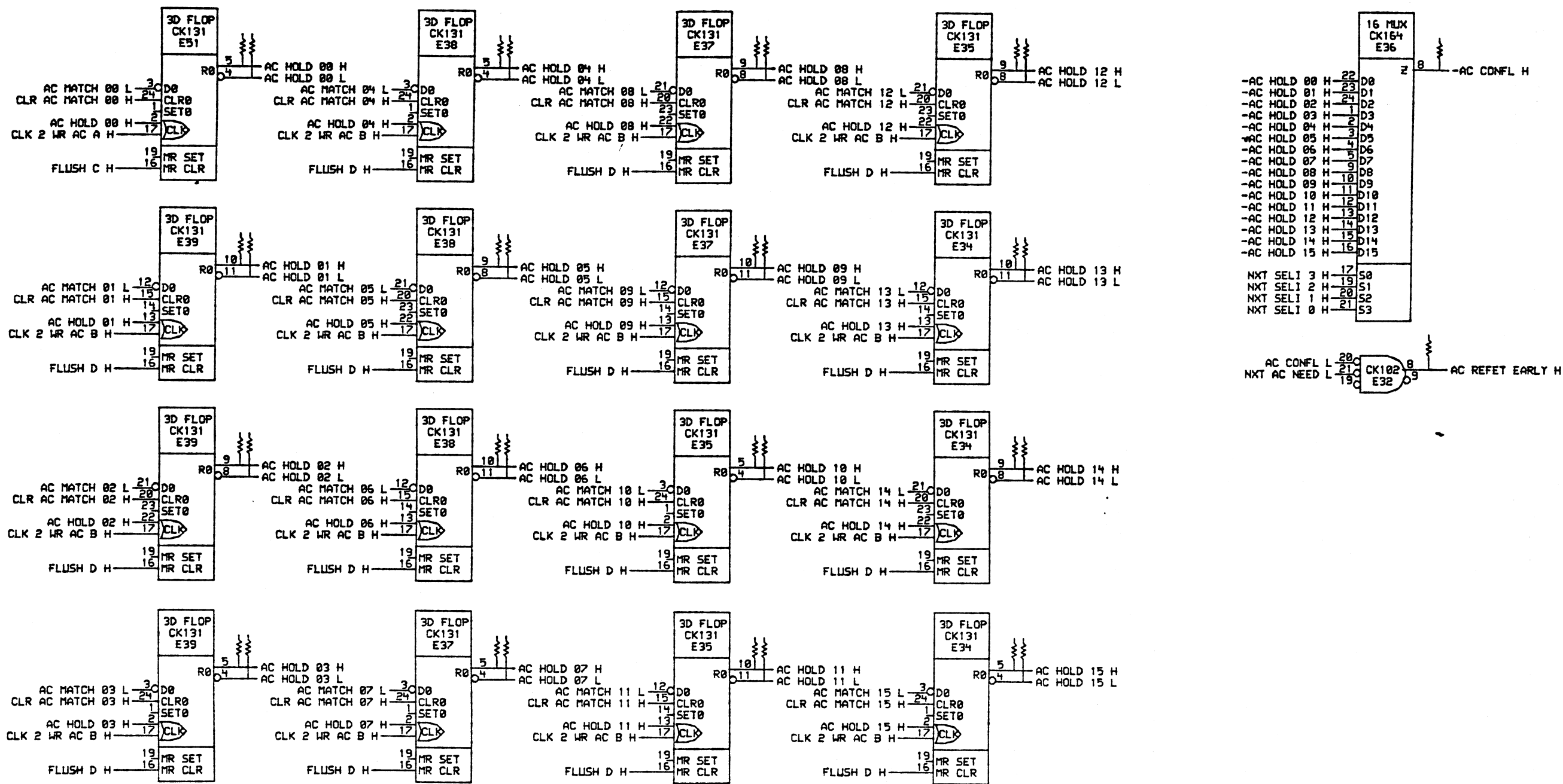
THIS DRAWING AND SPECIFICATIONS HEREIN ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1982, DIGITAL EQUIPMENT CORPORATION.

REVISIONS	
CHK	CHANGE NO. REV

digital DRN. *J. J. J.* DATE ENG. 13-JAN-82 DATE BOARD LOCATION: SHEET OF

VLSI CAN: (2000-L0053)291INX9.DRW 11-JAN-82 18:09 NEXT HIGHER ASSEMBLY: SIZE CODE NUMBER REV. D CS L0053-0-INX9

REV. NUMBER L0053-0-INX9 SIZE CS B D

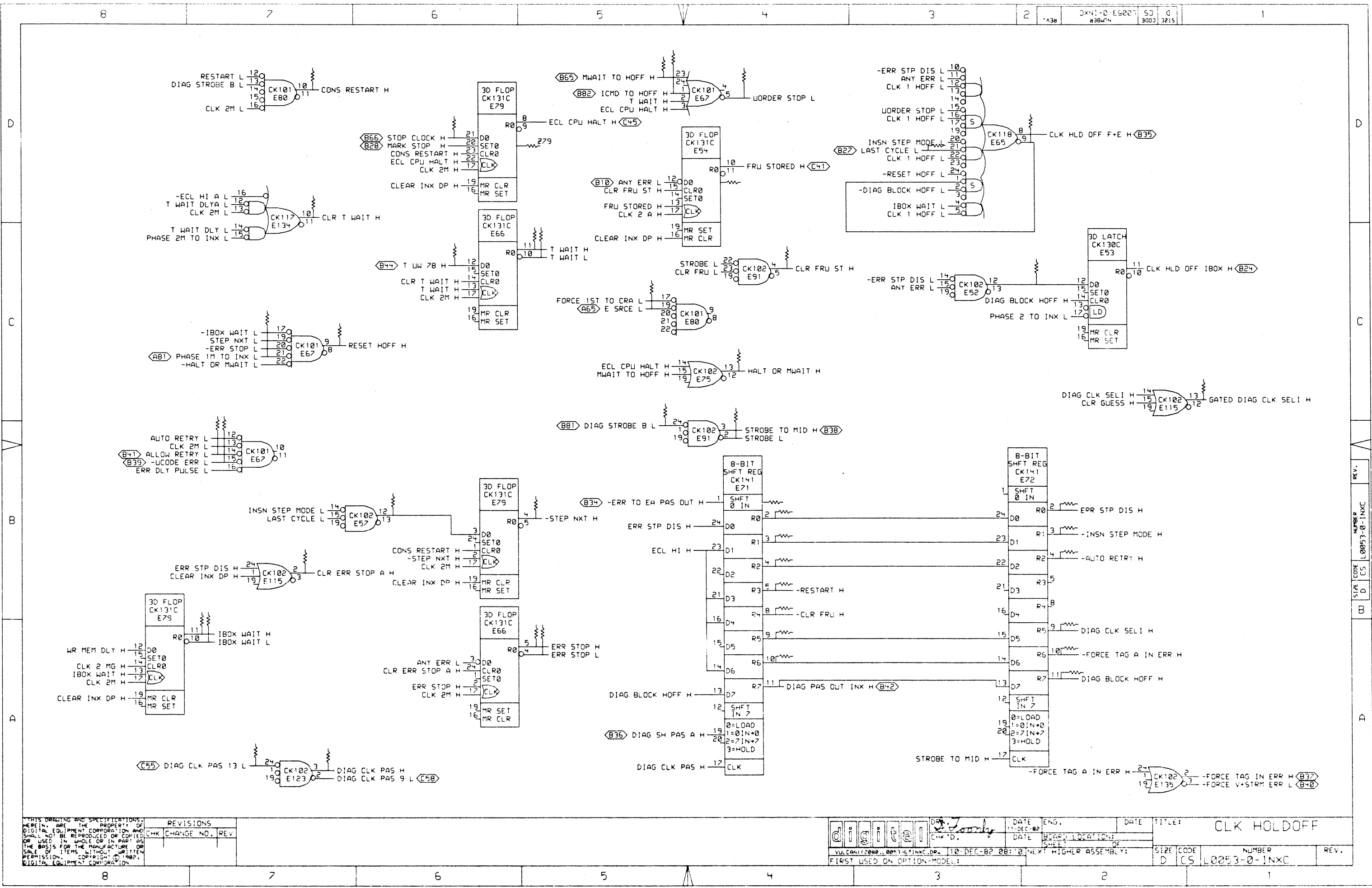


-AC HOLD 00 H	D0
-AC HOLD 01 H	D1
-AC HOLD 02 H	D2
-AC HOLD 03 H	D3
-AC HOLD 04 H	D4
-AC HOLD 05 H	D5
-AC HOLD 06 H	D6
-AC HOLD 07 H	D7
-AC HOLD 08 H	D8
-AC HOLD 09 H	D9
-AC HOLD 10 H	D10
-AC HOLD 11 H	D11
-AC HOLD 12 H	D12
-AC HOLD 13 H	D13
-AC HOLD 14 H	D14
-AC HOLD 15 H	D15
NXT SEL1 3 H	S0
NXT SEL1 2 H	S1
NXT SEL1 1 H	S2
NXT SEL1 0 H	S3

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

REVISIONS	
CHK	CHANGE NO. REV

	DATE	ENG.	DATE	TITLE
	06-FEB-82			AC MATCH
CHK'D.	DATE	BOARD LOCATION:		
		SHEET OF		
FIRST USED ON OPTION/MODEL:		NEXT HIGHER ASSEMBLY:		
V.L.GANI (2000 L 0053) 27 INXA DRU	05-FEB-82 14:01	SIZE	CODE	NUMBER
		D	CS	L0053-0-INXA
				REV.



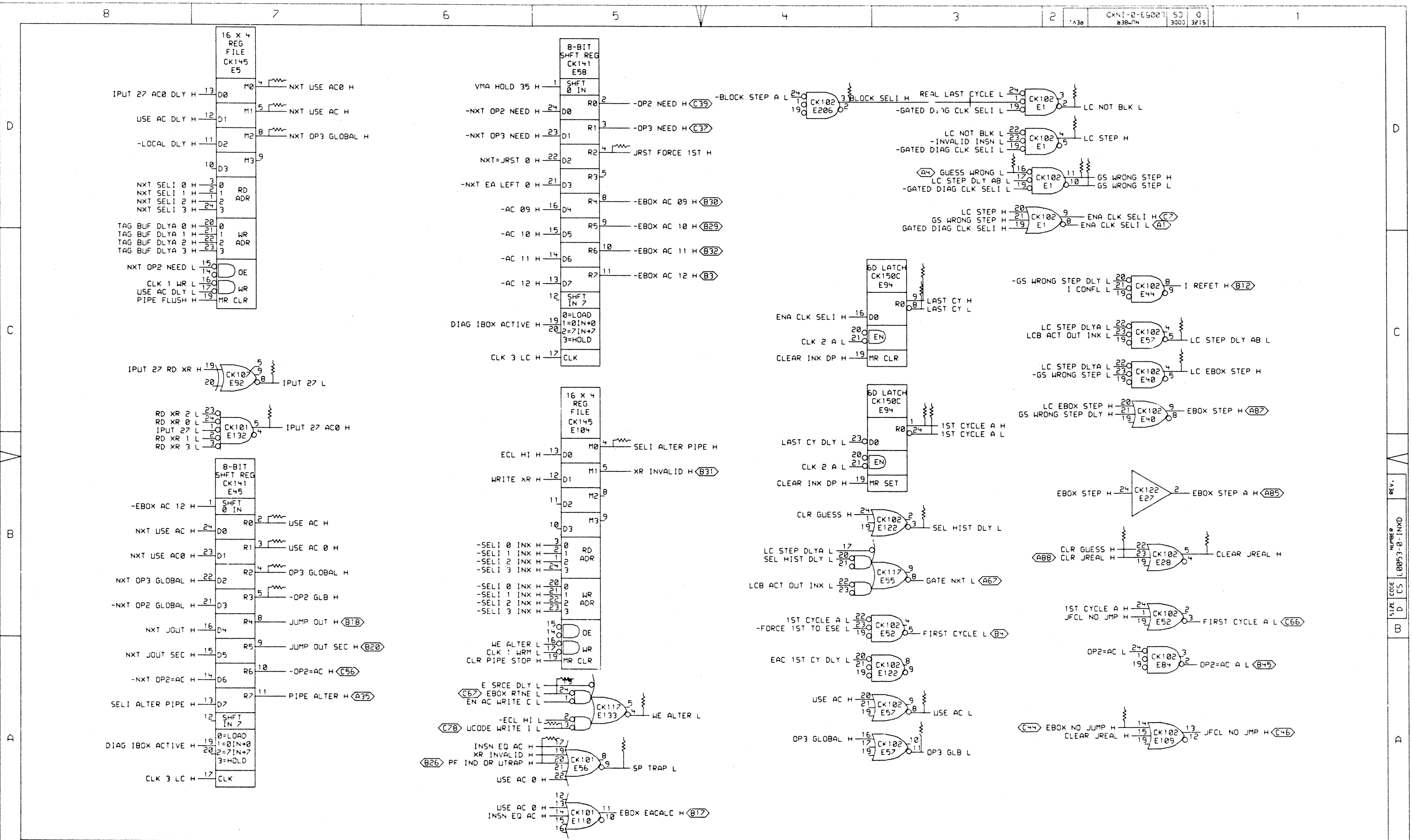
THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED, OR USED IN WHOLE OR IN PART, AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1987, DIGITAL EQUIPMENT CORPORATION.

REVISIONS	
CHK	CHANGE NO. / REV

--	--	--	--	--	--	--	--	--	--

	DATE	ENG.	DATE	TITLE
	DEC 87	J. J. J.	DEC 87	CLK HOLDOFF
VUL CAN (2000... 00) 10-DEC-87 08:00 NEXT HIGHER ASSEMBLY: FIRST USED ON OPTION MODEL:		SHEET LOCATION: SHEET OF		SIZE CODE D CS
NUMBER L0053-0-INXC			REV. 1	DATE 10-DEC-87

REV. NUMBER L0053-0-INXC

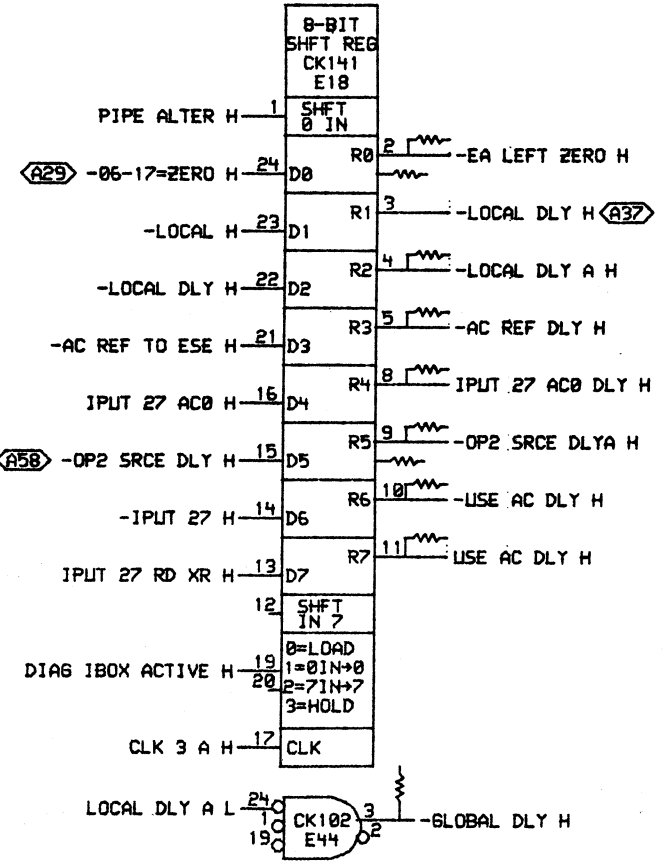
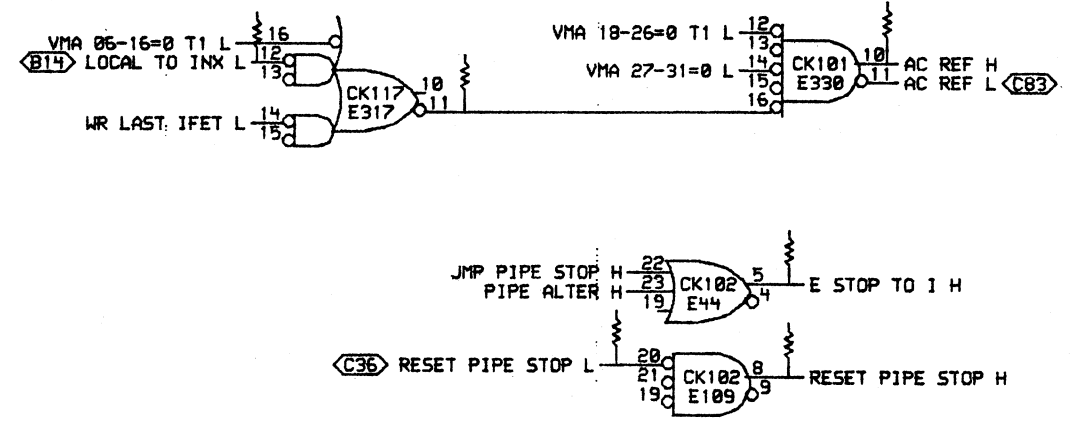
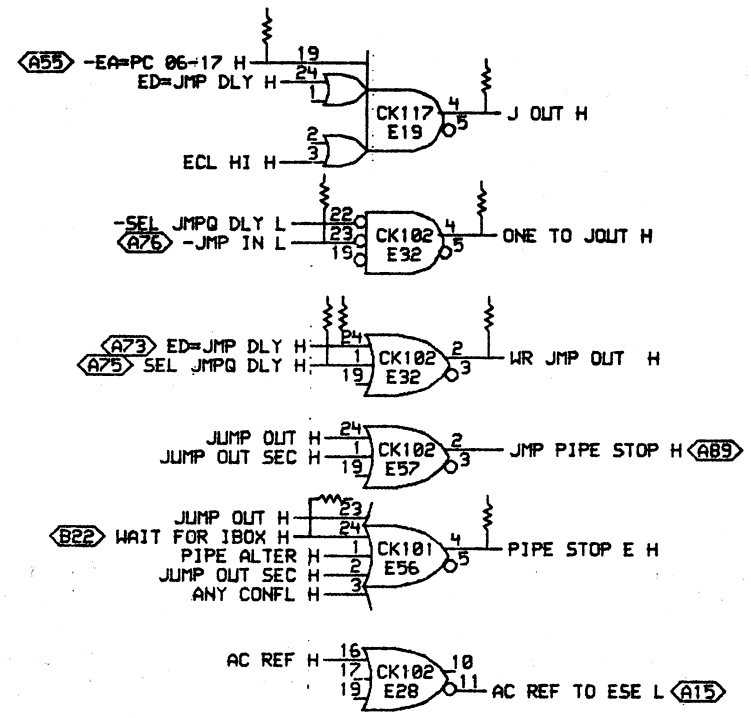
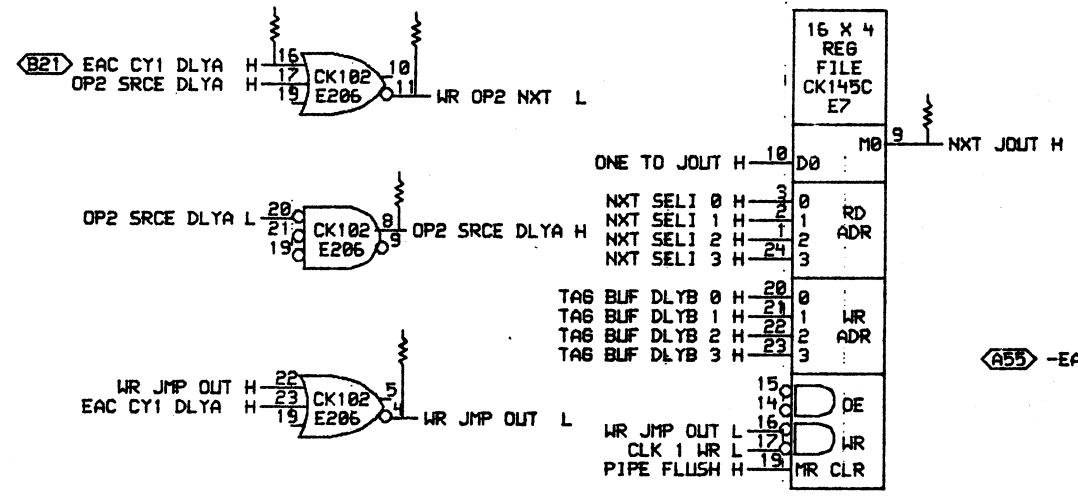
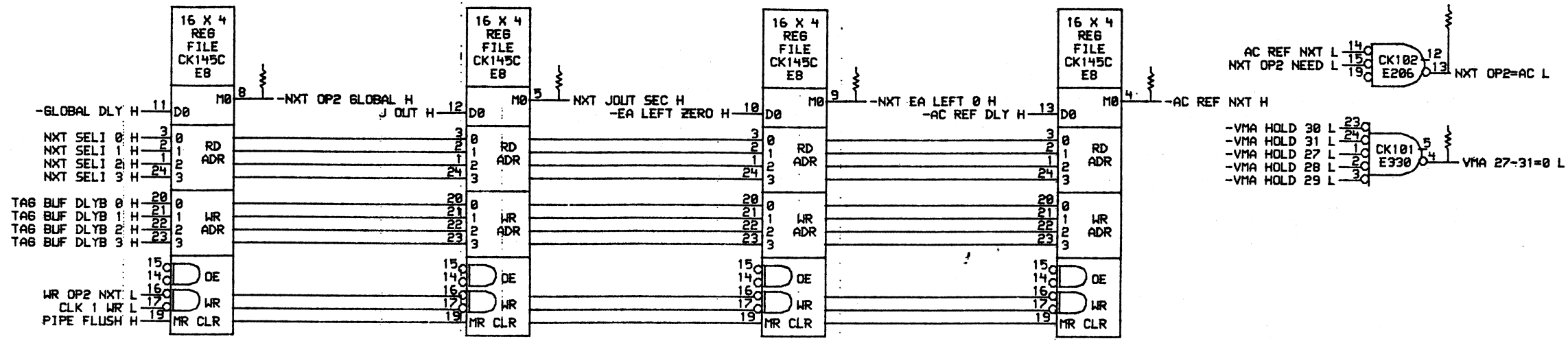


THIS DRAWING AND SPECIFICATIONS, HEREIN, ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED, COPIED, OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1982, DIGITAL EQUIPMENT CORPORATION.

REVISIONS	
CHK	CHANGE NO. REV

DATE	ENG.	DATE	TITLE:
11-DEC-82			EBOX AC

SIZE	CODE	NUMBER	REV.
D	CS	L0053-0-1N1D	

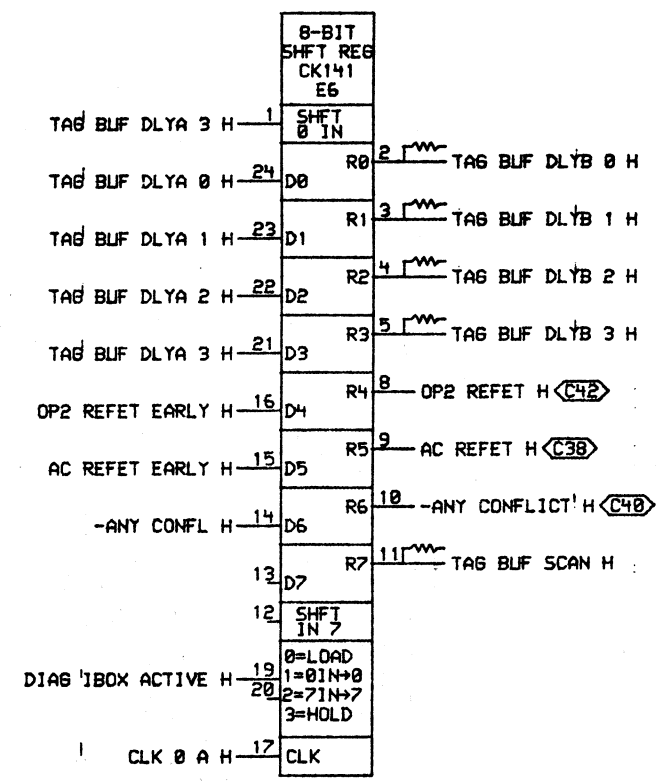
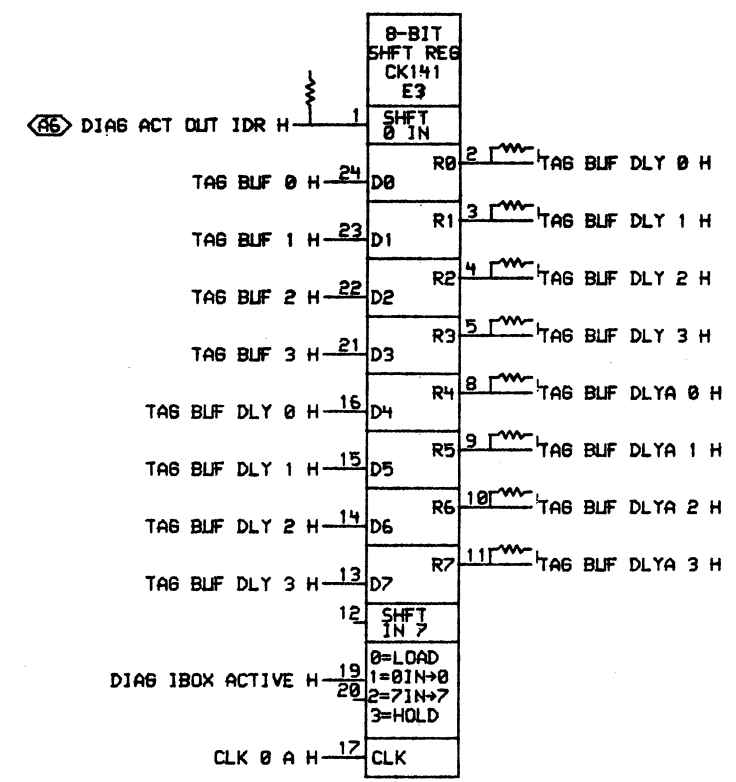
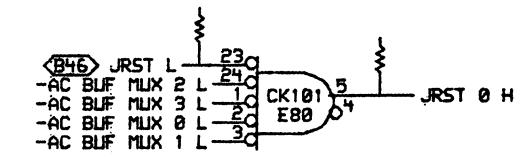
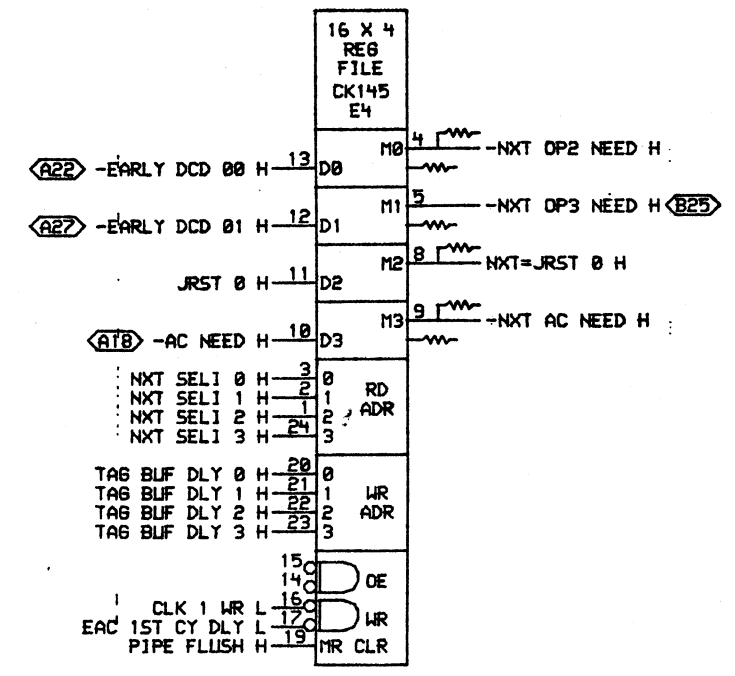
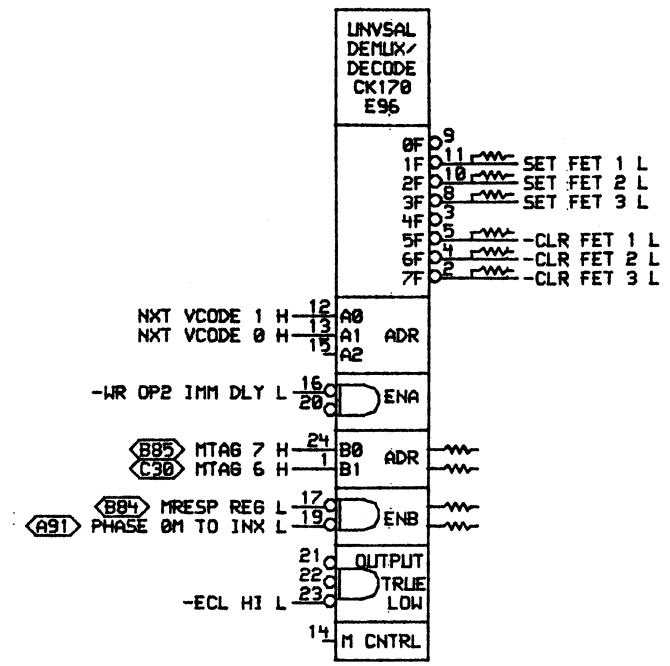


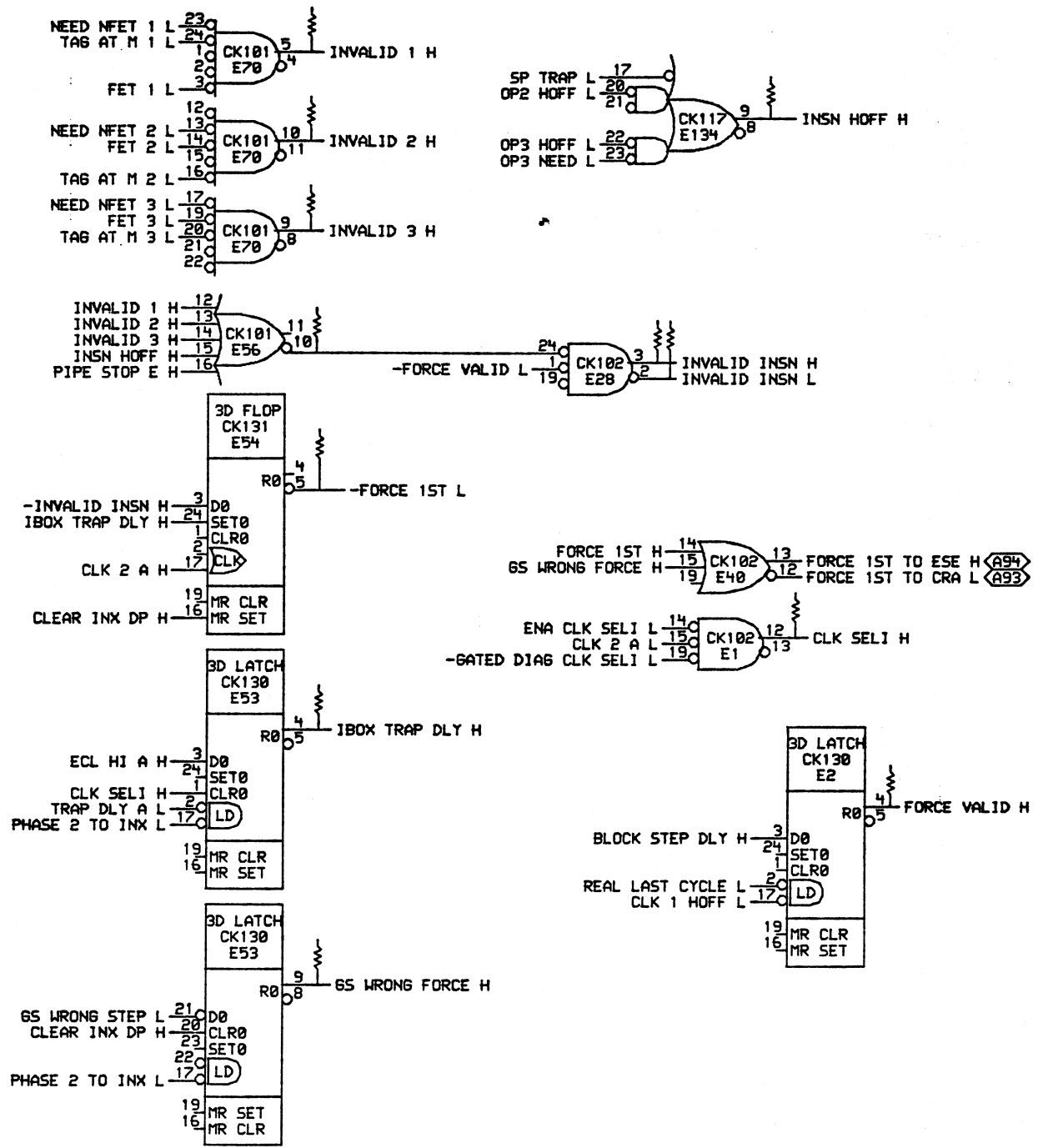
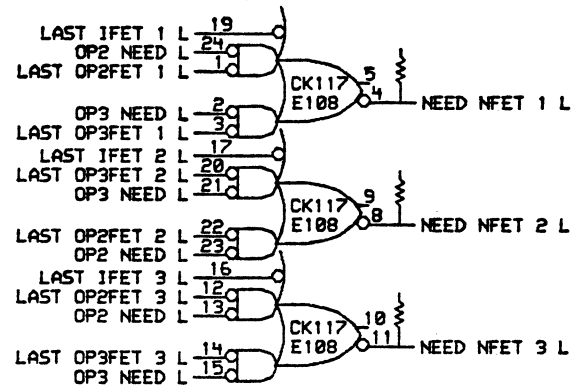
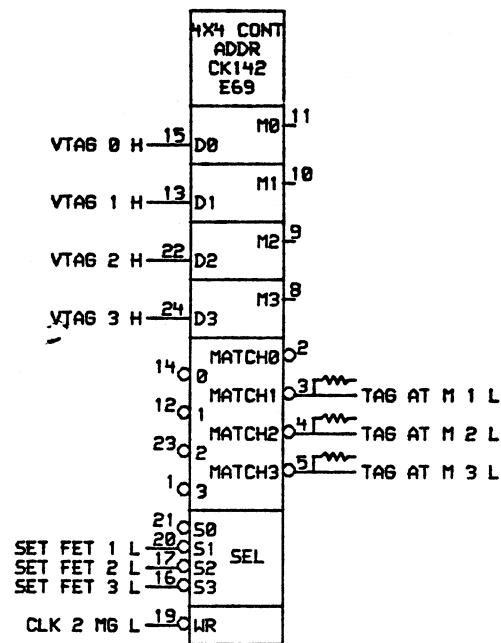
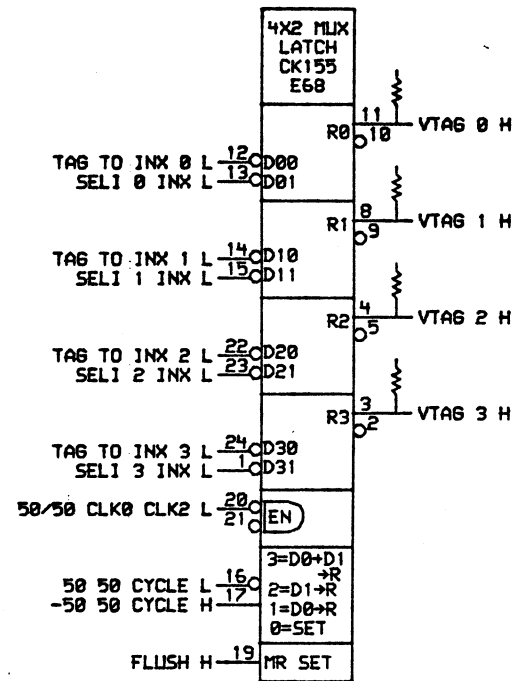
THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED IN ANY MANNER OR IN PART AS THE BASIS FOR THE MANUFACTURE OR REPAIR OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1982, DIGITAL EQUIPMENT CORPORATION.

REVISIONS	
CHK	CHANGE NO. REV

digital	DRN. J. J. J.	DATE 11-OCT-82	ENG.	DATE	TITLE: JUMP OUT OP GLOBAL
	CHK'D.	DATE	BOARD LOCATION:	SHEET	OF
FIRST USED ON OPTION/MODEL:		NEXT HIGHER ASSEMBLY:		SIZE D	CODE CS

NUMBER L0053-0-INXE	REV.
---------------------	------

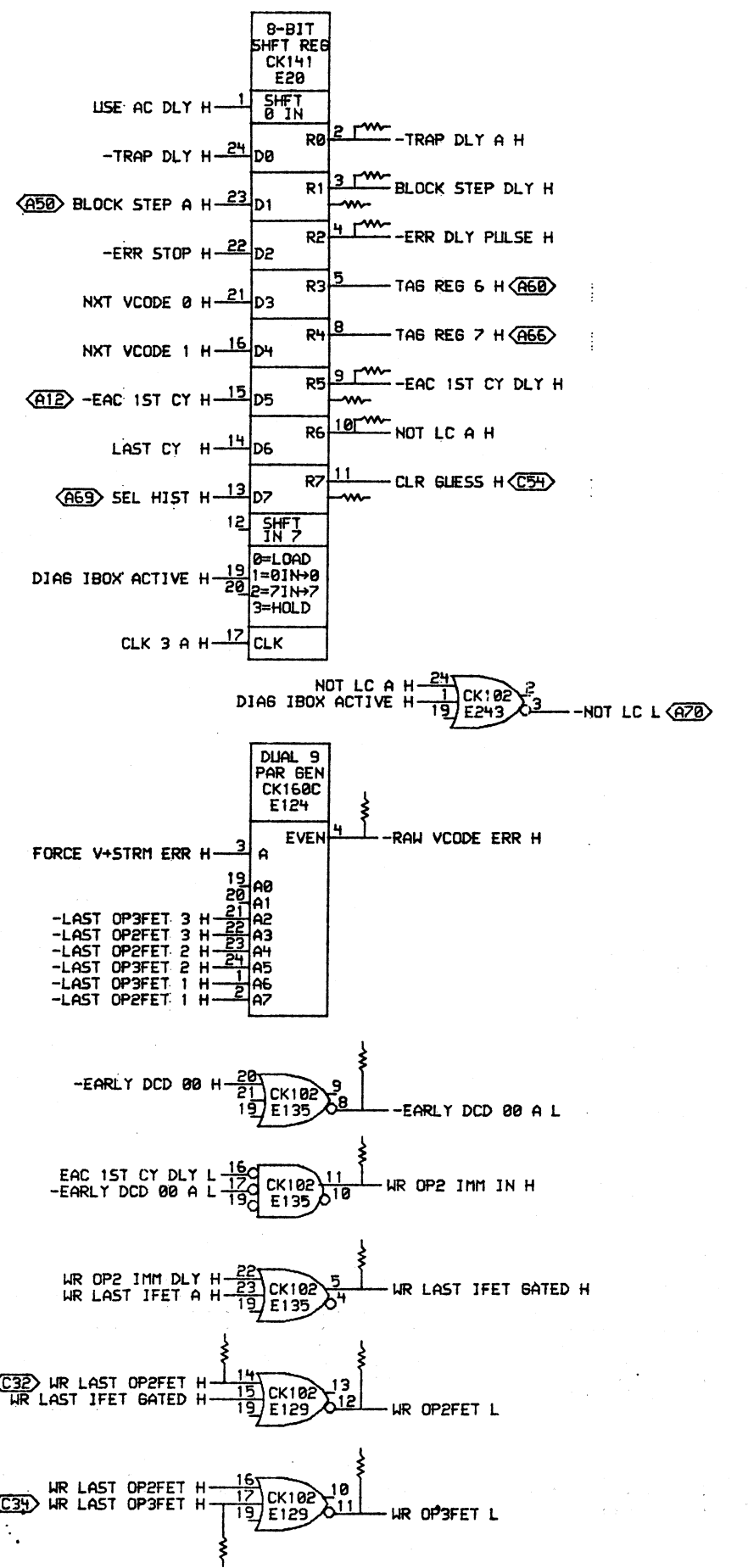
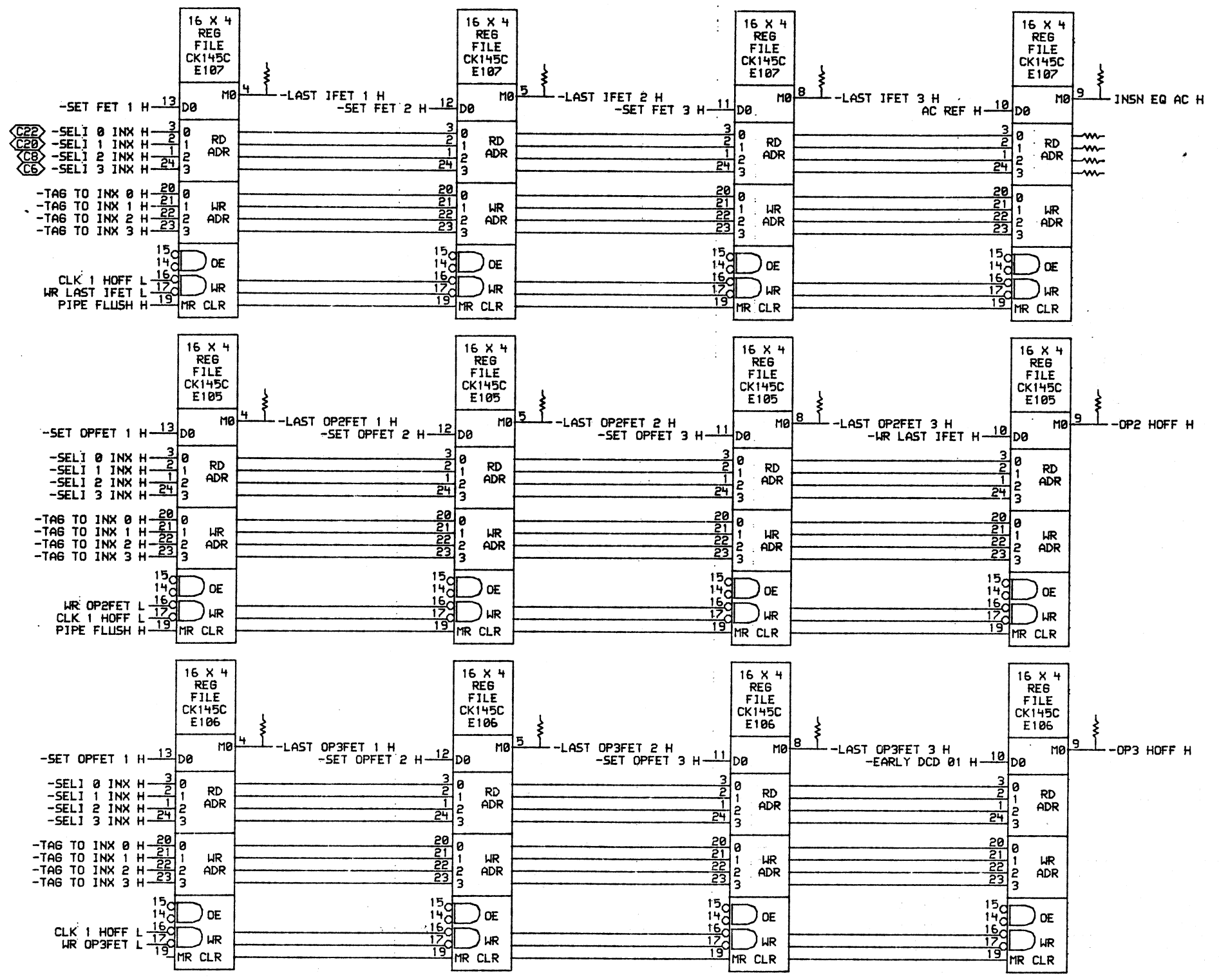
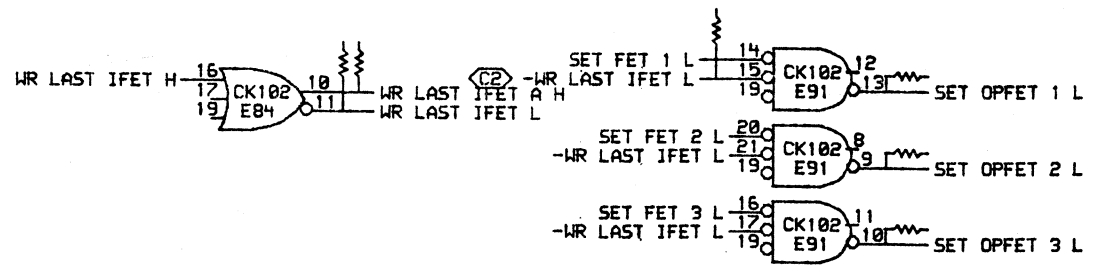


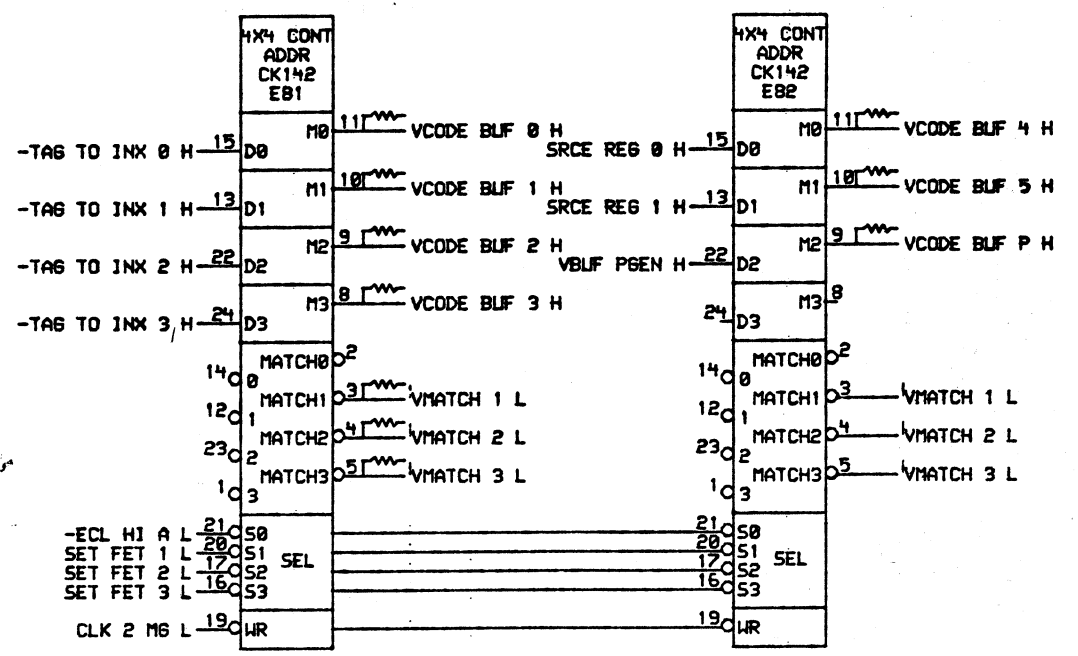
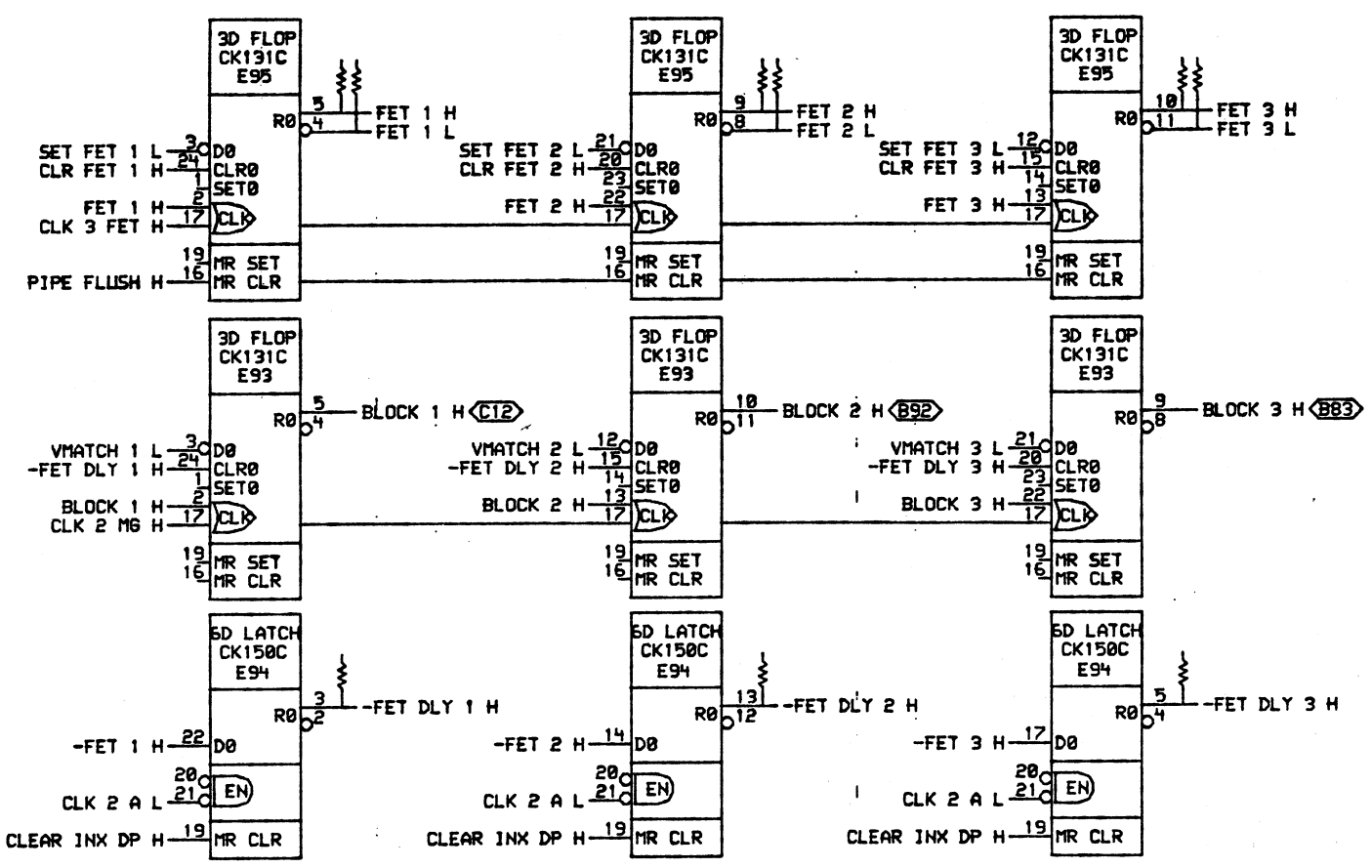
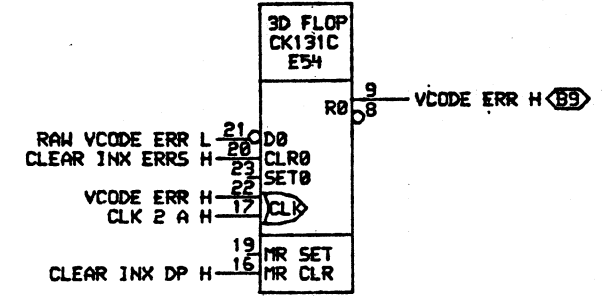
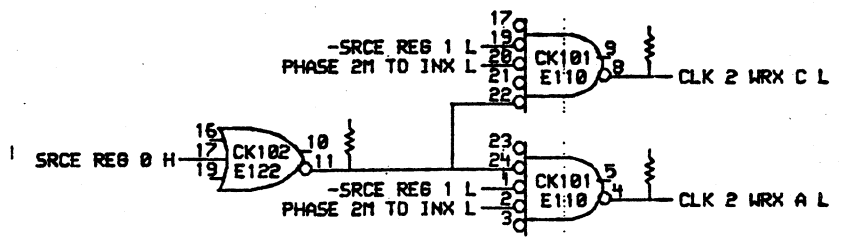
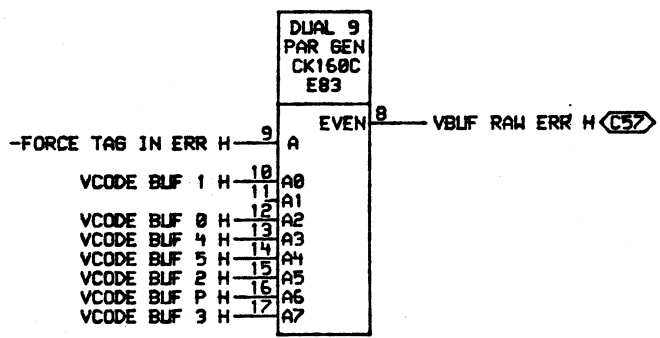
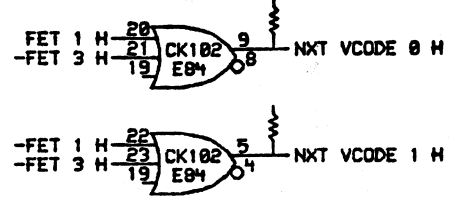
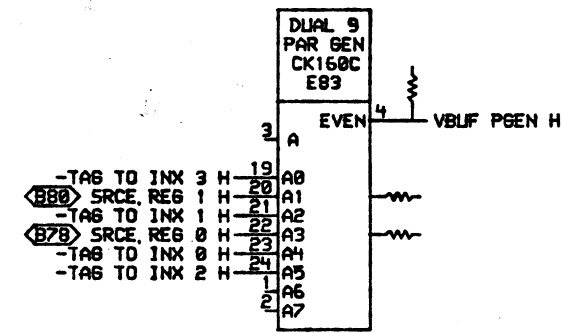


THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1982 DIGITAL EQUIPMENT CORPORATION

REVISIONS
CHK CHANGE NO. REV

digital	DATE	ENG.	DATE	TITLE:	VTAG
	30 JUL 82			BOARD LOCATION:	
	DATE	ENG.	DATE	SHEET	OF
VULCAN: (2880.L0053)551M6.DRW	129-JUL-82	22:25	NEXT HIGHER ASSEMBLY:	SIZE	CODE
FIRST USED ON OPTION/MODEL:				D	CS
				NUMBER	REV.
				L0053-0-INXG	

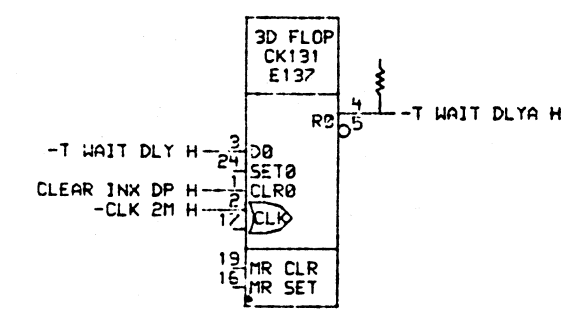
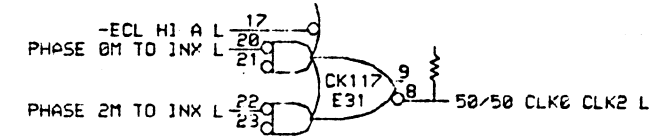
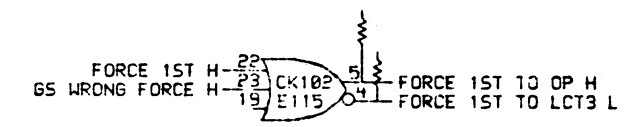
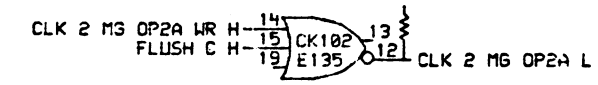
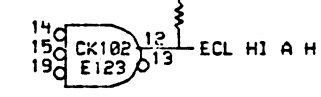
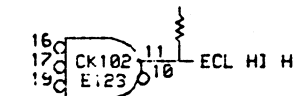
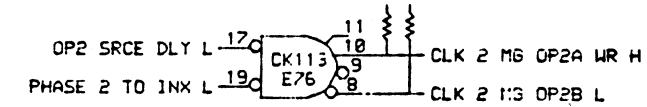
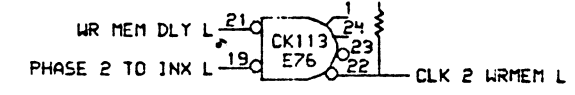
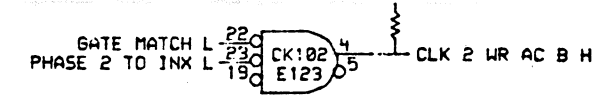
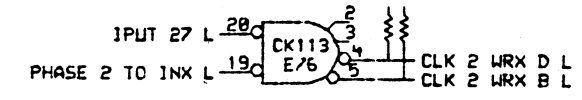
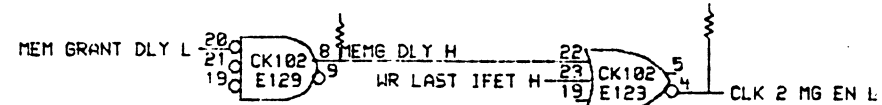
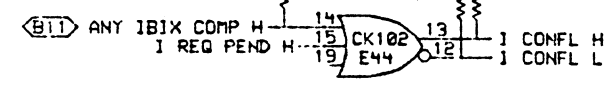
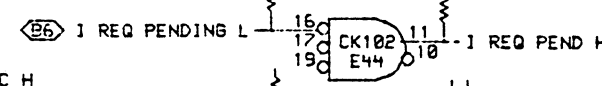
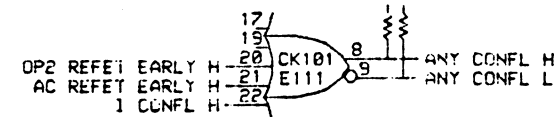
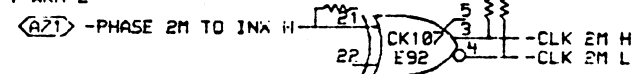
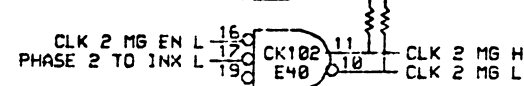
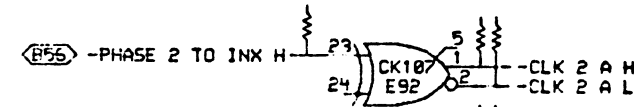
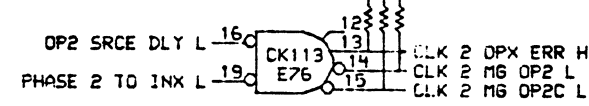
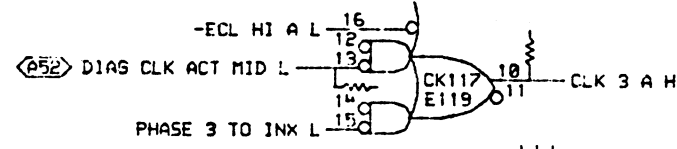
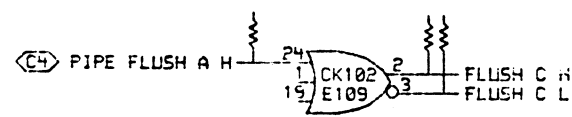
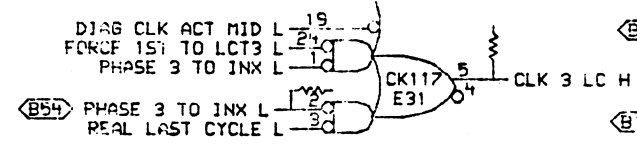
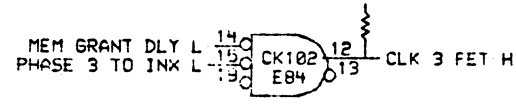
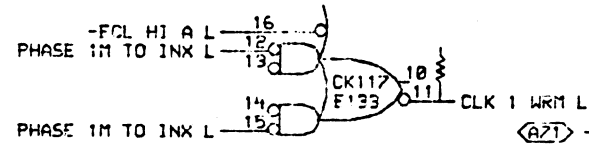
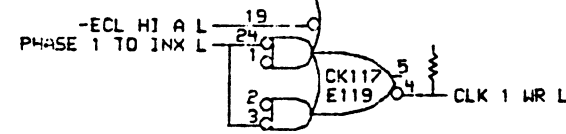
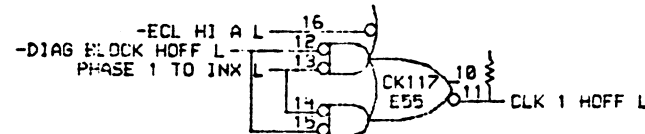
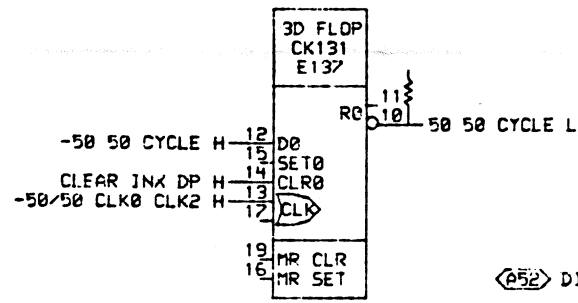
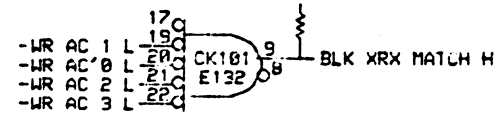
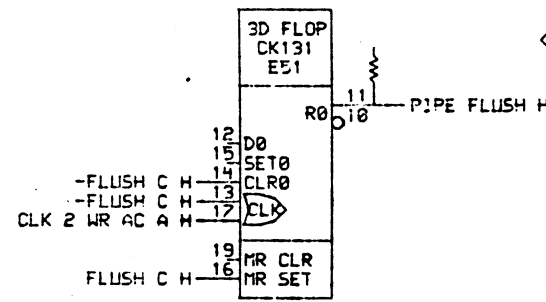
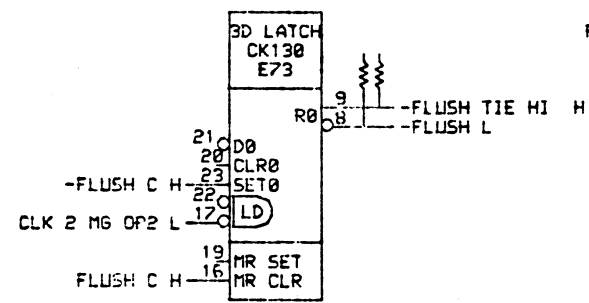
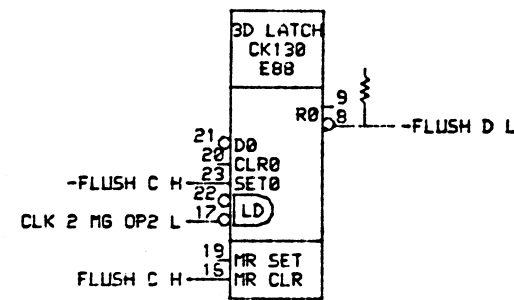
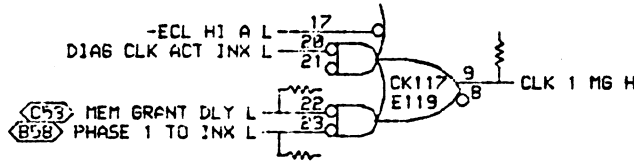
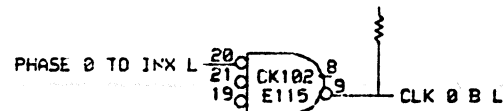
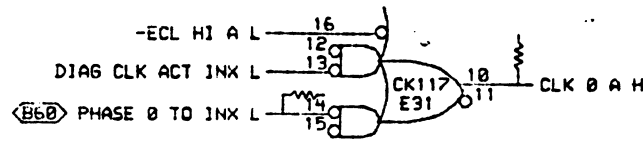




THIS DRAWING AND SPECIFICATIONS ARE THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION AND SHALL NOT BE REPRODUCED OR COPIED OR USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION. COPYRIGHT © 1982, DIGITAL EQUIPMENT CORPORATION.

REVISIONS	CHK	CHANGE NO.	REV

	DATE	ENG.	DATE	TITLE: BLOCK WR
	01-SEP-82			
CHK'D.	DATE	BOARD LOCATION:	SHEET OF	
VILC001 (2000 L0053) INXI DRW	30-AUG-82 22:36	NEXT HIGHER ASSEMBLY:	SIZE D	CODE CS
FIRST USED ON OPTION/MODEL:			NUMBER L0053-0-INXI	REV.



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.

REVISIONS	
CHK	CHANGE NO. REV