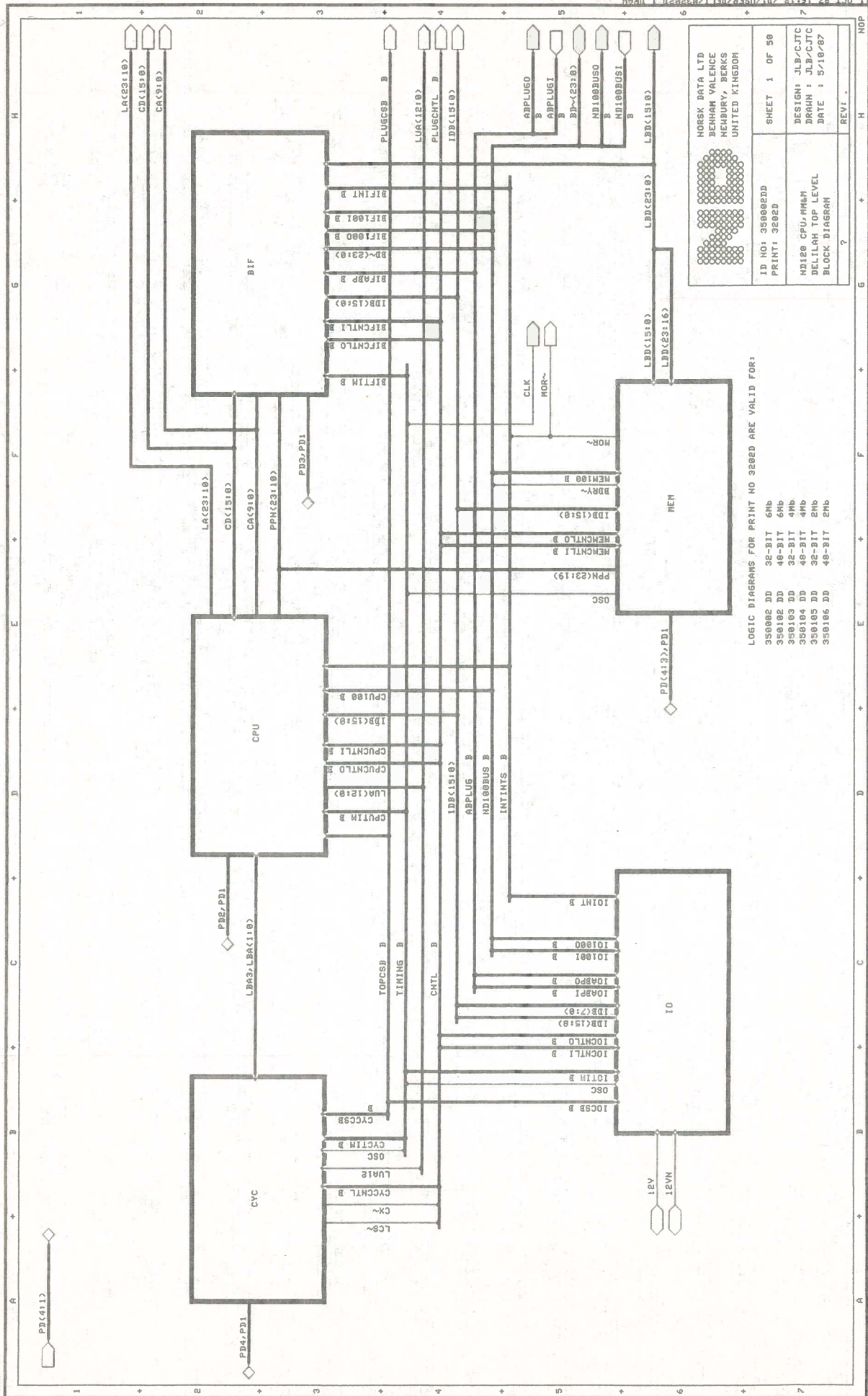




LOGIC DIAGRAMS FOR PRINT NO 3202D ARE VALID FOR:

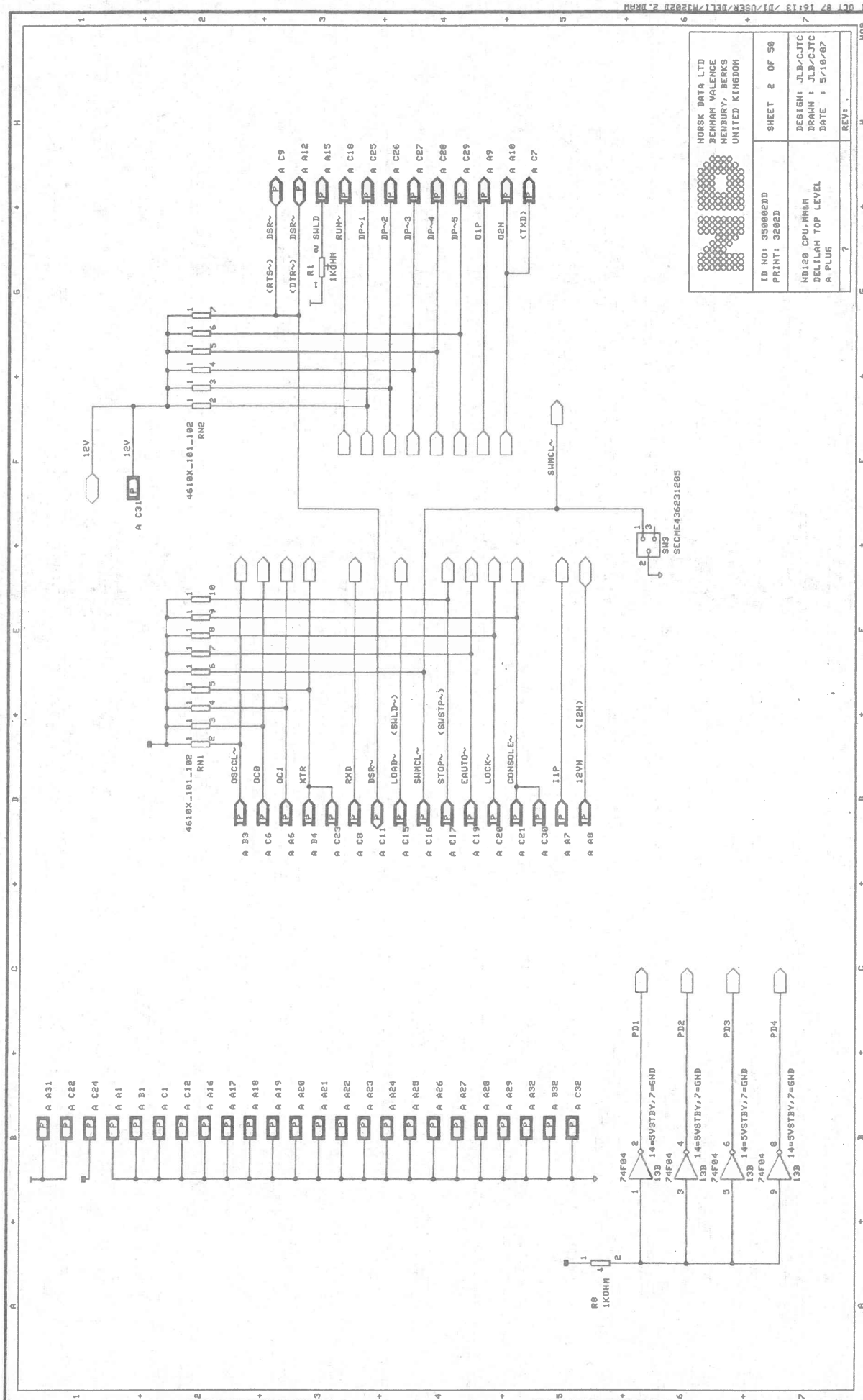
350002 DD	32-BIT	6Mb
350102 DD	48-BIT	6Mb
350103 DD	32-BIT	4Mb
350104 DD	48-BIT	4Mb
350105 DD	32-BIT	2Mb
350106 DD	48-BIT	2Mb

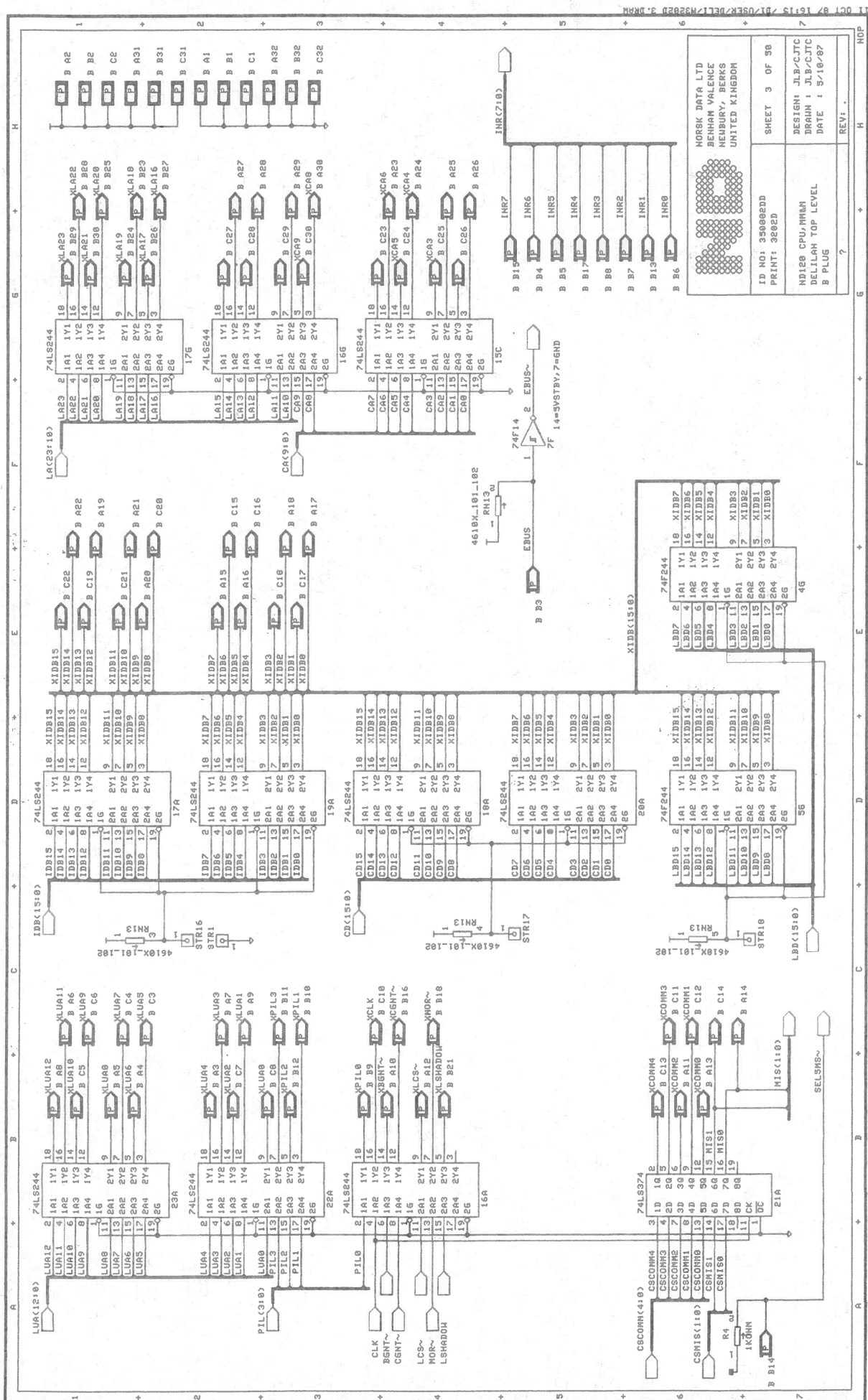
NORSK DATA LTD
BENHAM VALENCE
NEWBURY, BERKS
UNITED KINGDOM

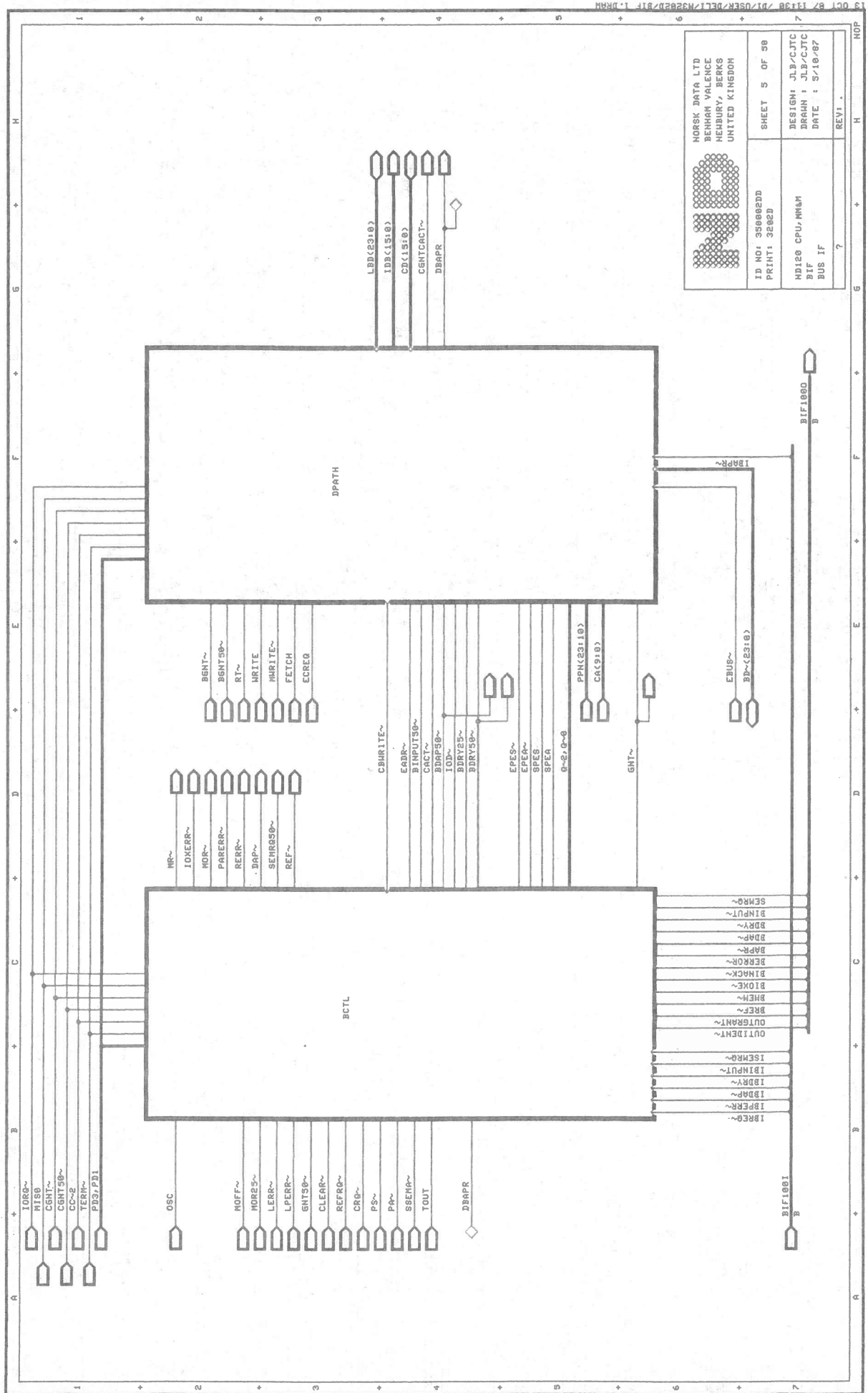
DESIGN: JLB/CJTC
DRAWN: JLB/CJTC
DATE: 5/10/87
REV: .

ID NO: 350002DD
PRINT: 3202D
SHEET 1 OF 50

NOP



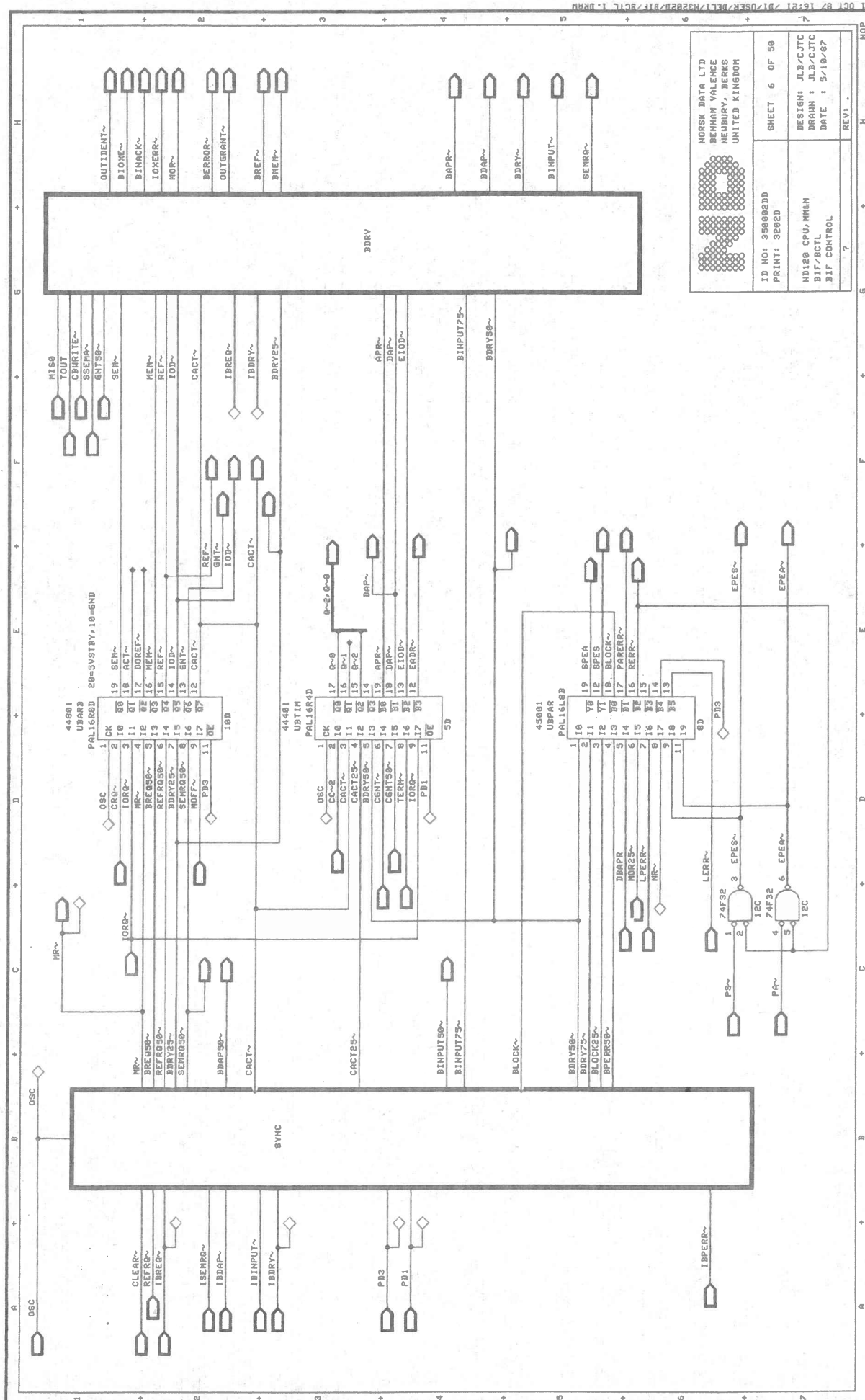


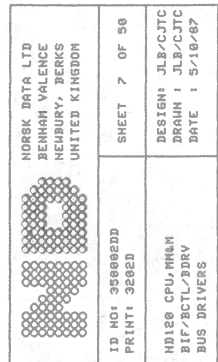


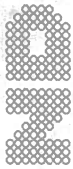
NORSK DATA LTD
BENHAM VALENCE
NEHBURY, BERKS
UNITED KINGDOM

ID NO: 350002DD PRINT: 3202D	SHEET 5 OF 50
ND120 CPU/MMM BIF BUS IF	DESIGN: JLB/CJTC DRAWN: JLB/CJTC DATE: 5/10/87
7	REVI: .

13 OCT 87 11:38 /DI/USER/DELTA/MS202D/BIF 1.DRAW





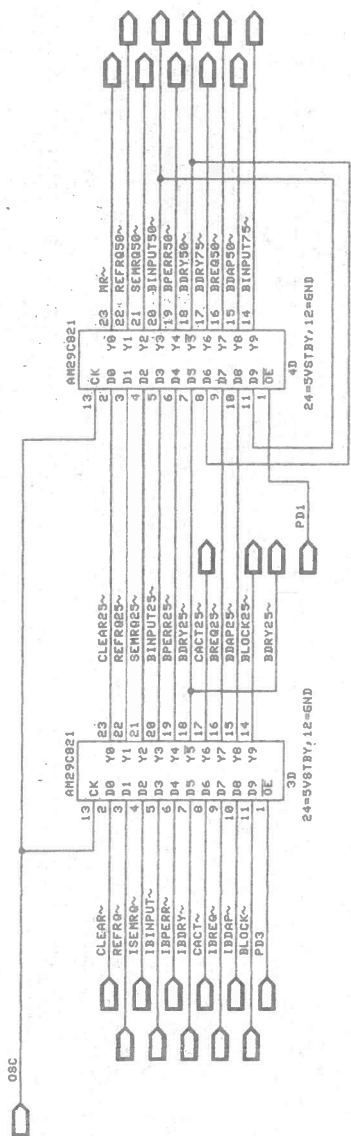


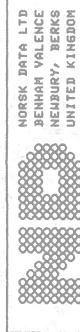
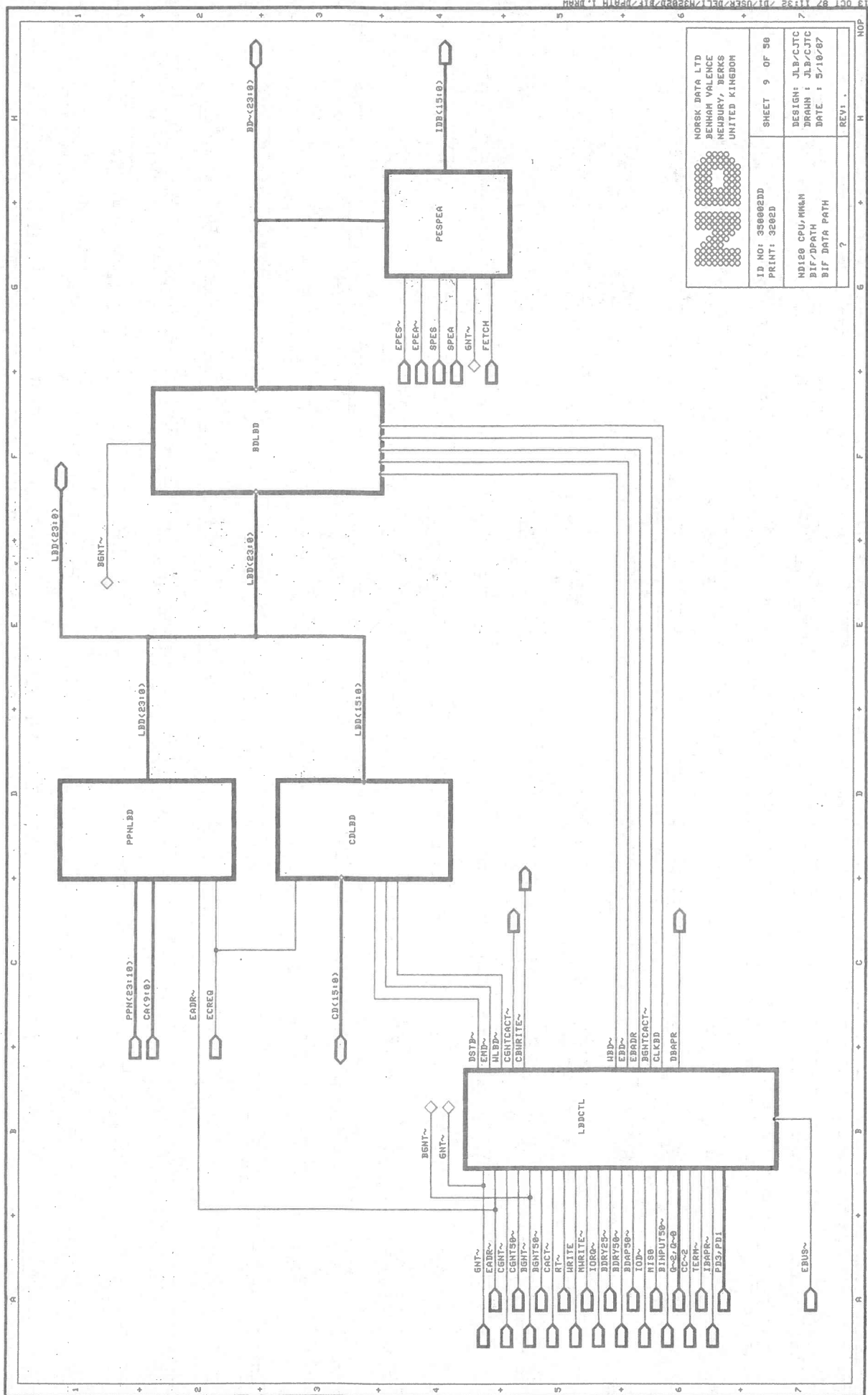
HORSK DATA LTD
ZENHAI VALENCE
RENSBURY, BERKS
UNITED KINGDOM

ID NO: 350002DD
PRINT: 3202D

ND120 CPU,MM4H
BIF/BCIL/SYNC
BIF SYNC

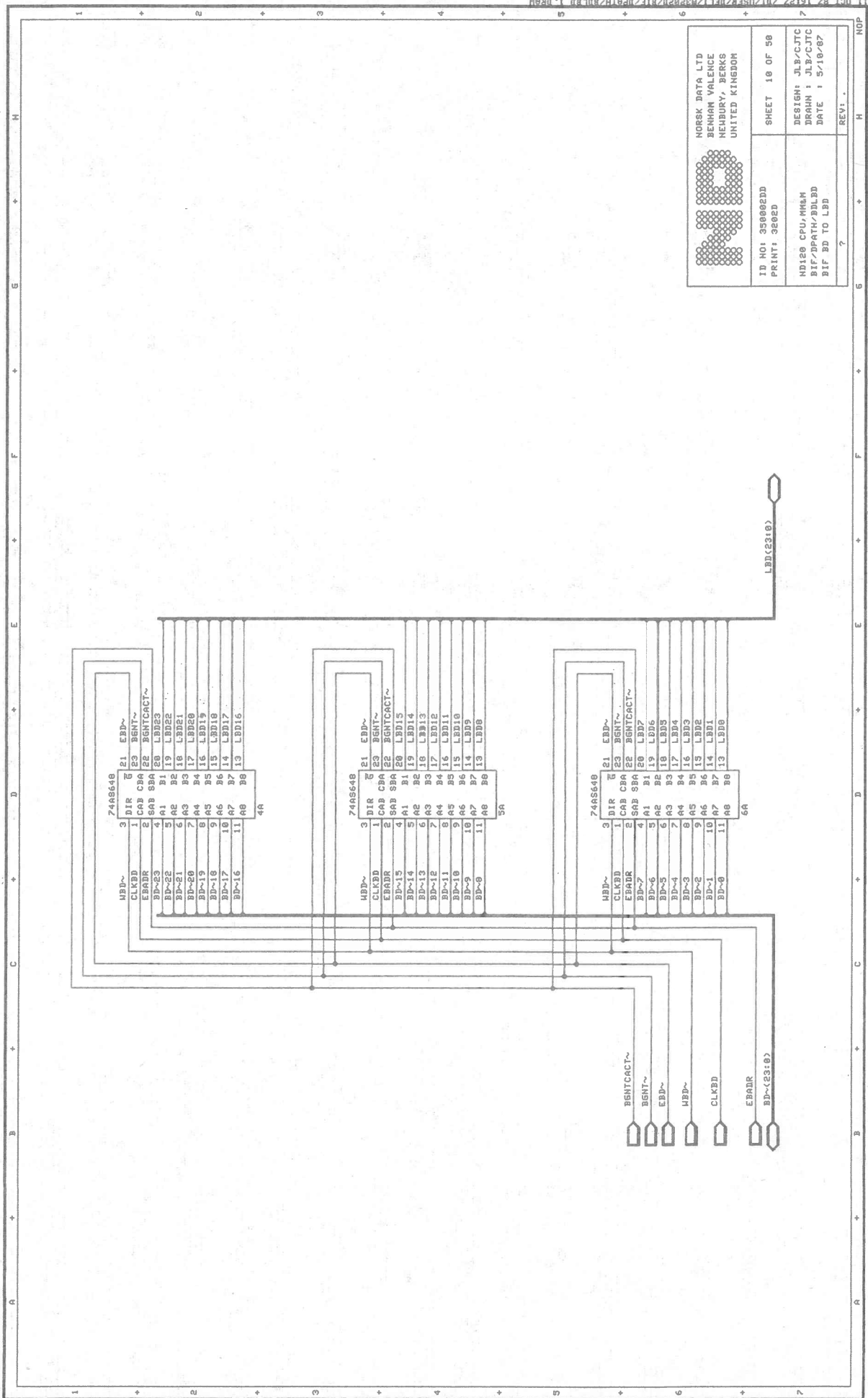
SHEET 8 OF 50
DESIGN: JLB/CJTC
DRAWN: JLB/CJTC
DATE: 5/10/87
REV: .





NORSK DATA LTD
BENNAH VALENCE
NEHBURY, BERKS
UNITED KINGDOM

ID NO: 350002DD PRINT: 3202D	SHEET 9 OF 30
ND180 CPU MMAN BIF/DPATH BIF DATA PATH	DESIGN: JLB/CJTC DRAWN: JLB/CJTC DATE: 5/10/87
?	REV: .



NORSK DATA LTD
BENHAM VALENCE
NENDURY, BERKS
UNITED KINGDOM

ID NO: 350002DD
PRINT: 3202D

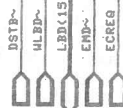
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DRAWN: JLB/CJTC
DATE: 5/10/87

REV: -

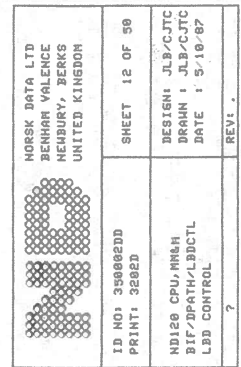
SHEET 10 OF 98

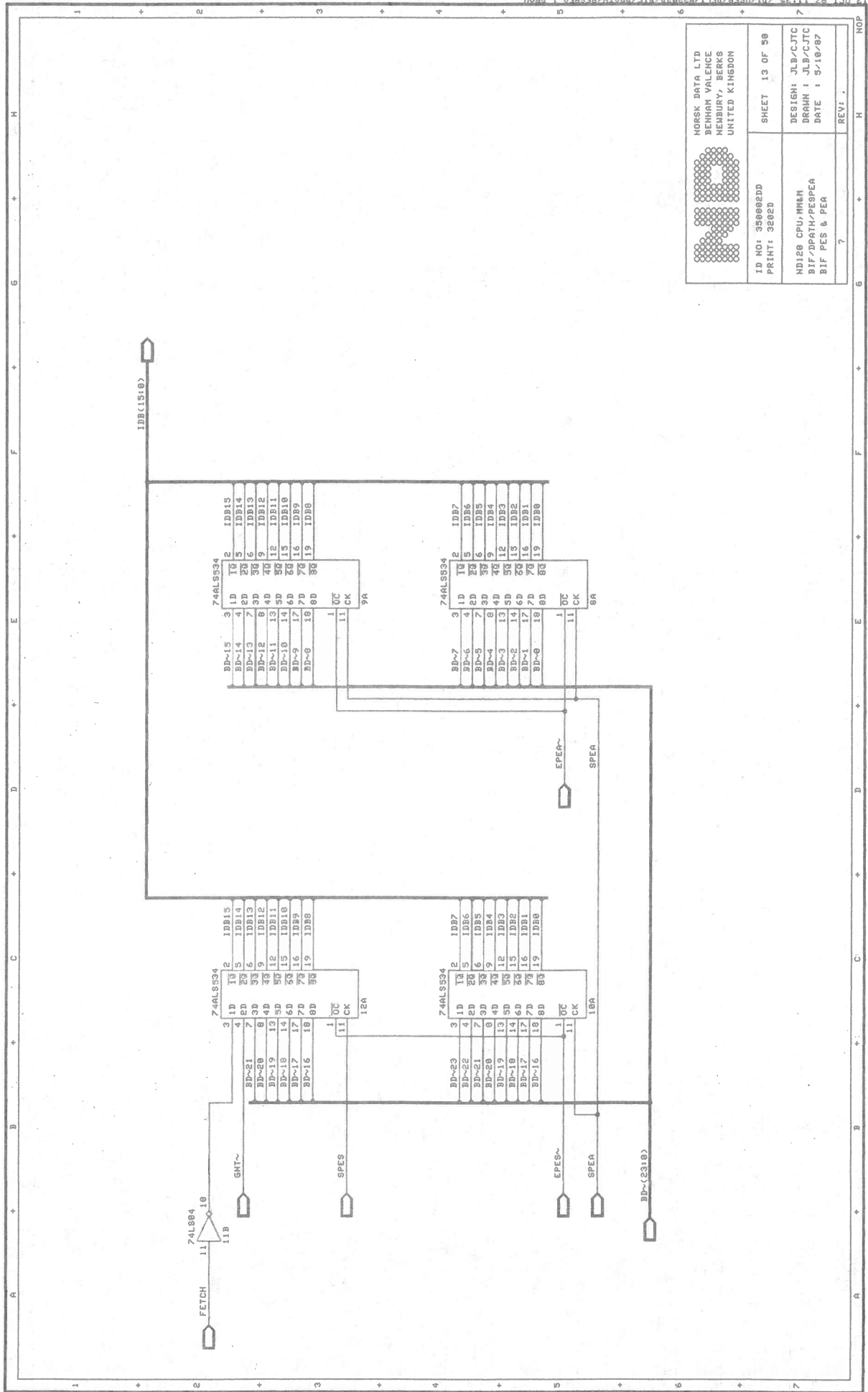
ND100 CPU/MMM
BIF/DPATH/BOLBD
BIF BD TO LBD

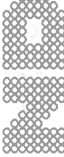
11 OCT 87 16127 JLB/USER/DELTA/MS020/BIF/DPATH/BOLBD 1.DRAW



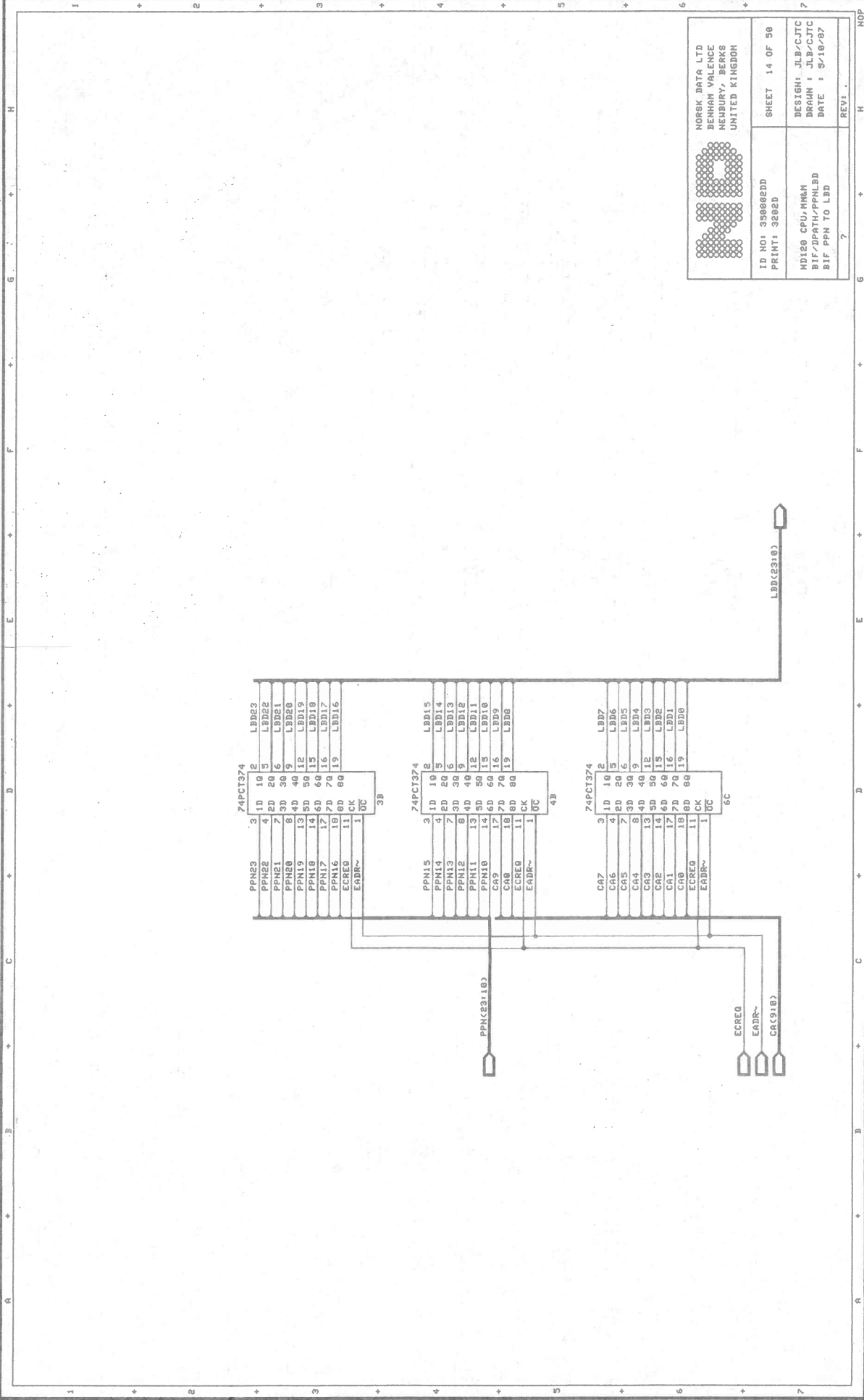
NORSK DATA LTD BERNHAM VALENCIE NEWBURY, BERKS UNITED KINGDOM		SHEET 11 OF 90	DESIGN : JLB/CJTC DRAWM : JLB/CJTC DATE : 5/10/87	DRAWN :
ID NO: 3560e2DD PRINT: 3E0B			H100 CPU-MMH BIF DEPTH/CBLD BIF CD TO LBD	2





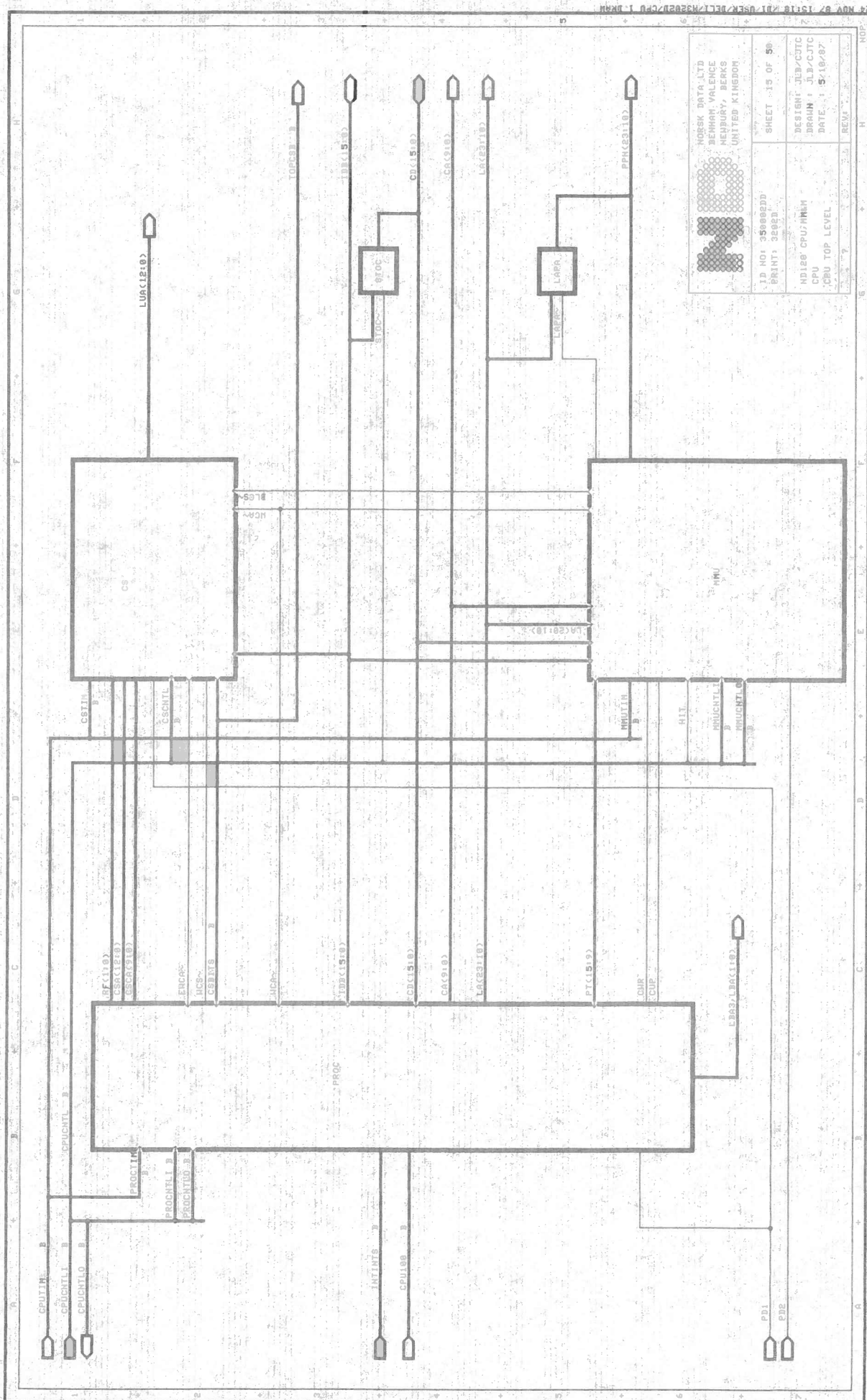
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ID NO: 350002DD PRINT: 3202D	SHEET 13 OF 50	DESIGN: JLB/CJTC DRAWN: JLB/CJTC DATE: 5/10/87	REV: .

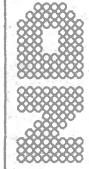
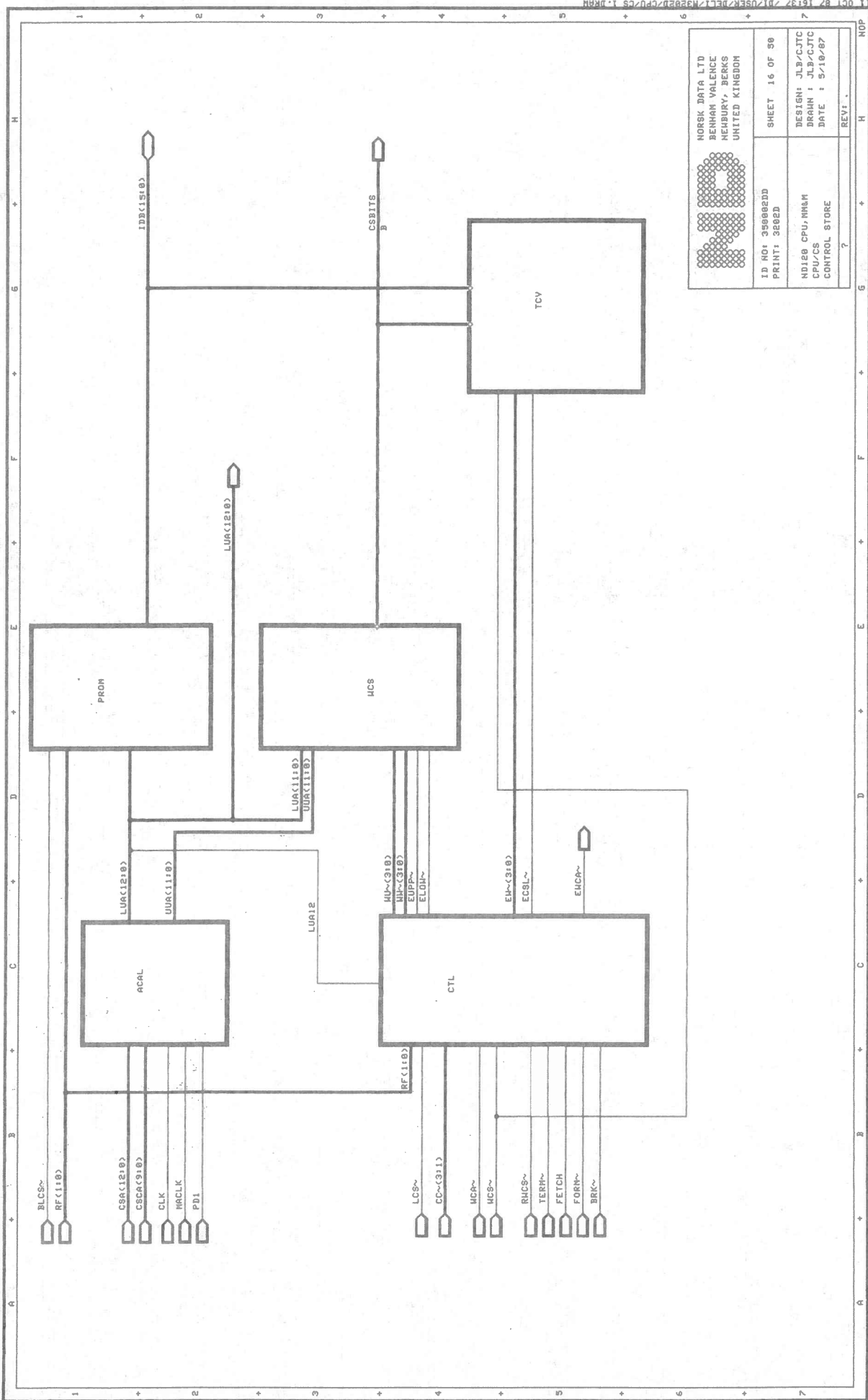
13 OCT 87 11:35 /DI/USER/DEL/MS002D/BIF/DPATH/PESPEA 1.DRAW



NORSK DATA LTD
BENHAR VALENCE
HEMBURY, BERKS
UNITED KINGDOM

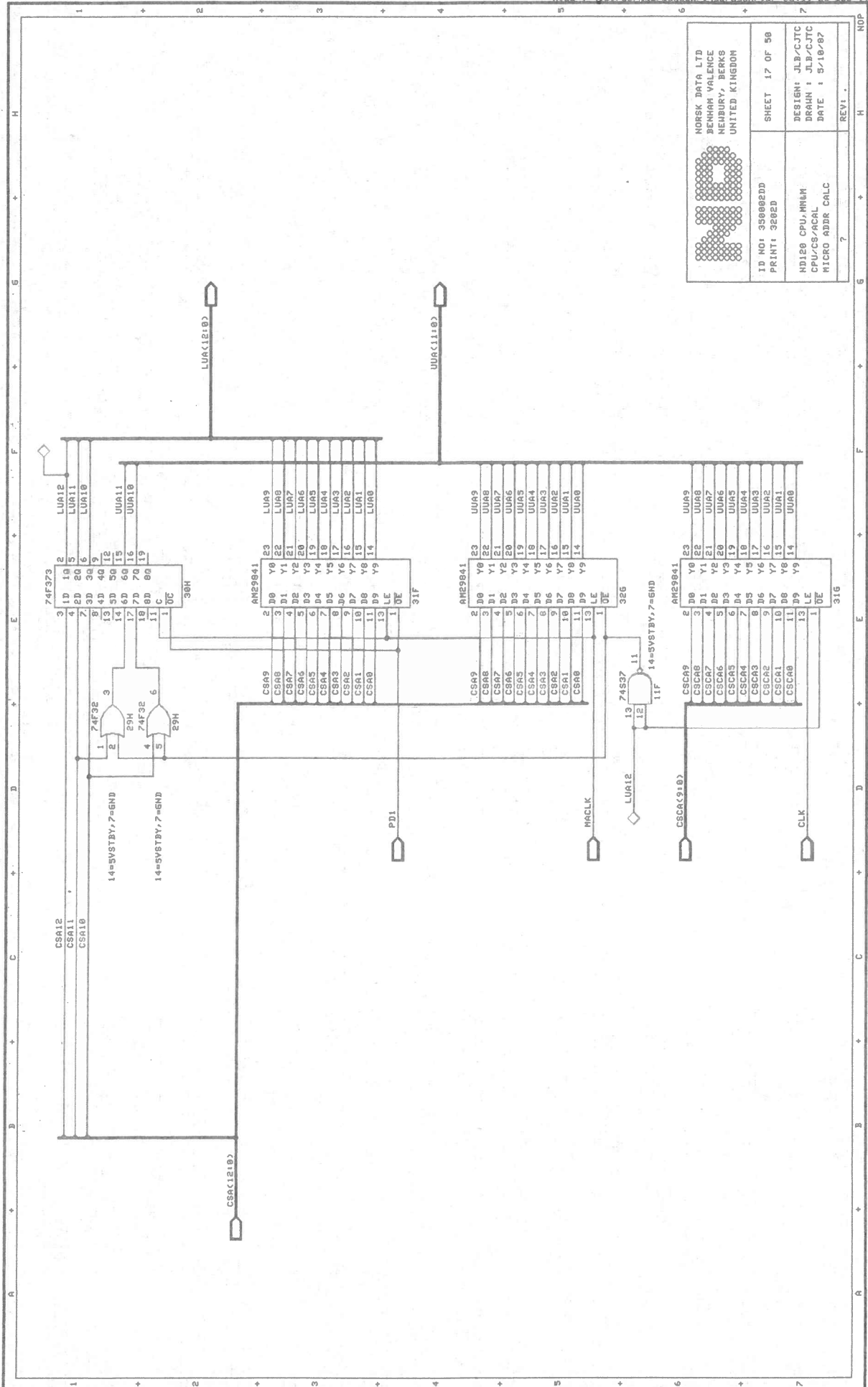
ID NO: 358082DD PRINT: 3282D	SHEET 14 OF 99
ND120 CPU, MM&M BIF/DPATH/PPN/LBD BIF PPN TO LBD	DESIGN: JLB/CJTC DRAWN: JLB/CJTC DATE: 5/10/87
7	REVI: .





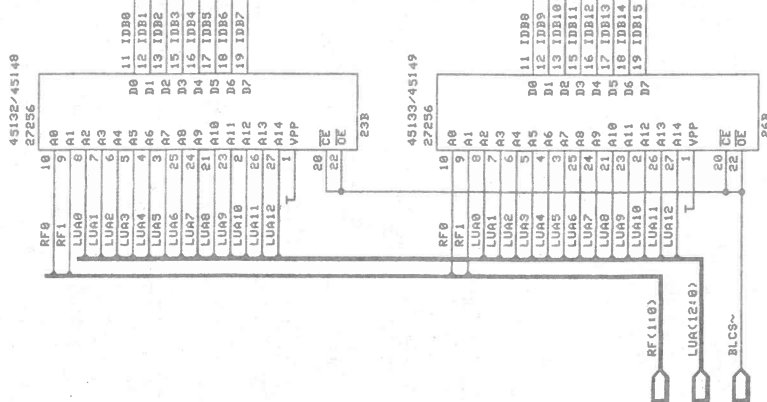
NORSK DATA LTD
BENHAM VALENCE
NEWBURY, BERKS
UNITED KINGDOM

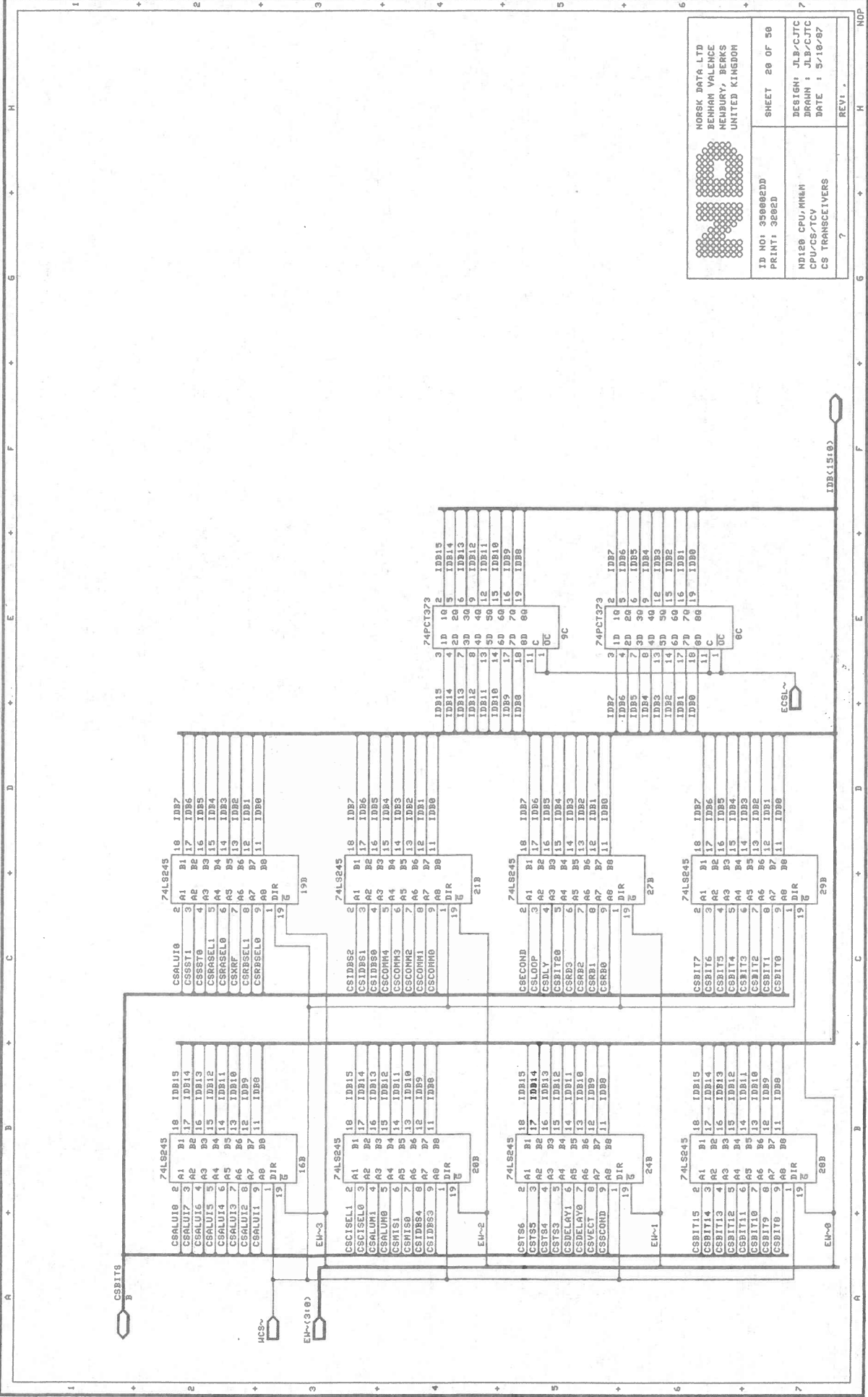
ID NO: 3500020D	PRINT: 3202D	SHEET 16 OF 30
ND100 CPU/MMM	CONTROL STORE	DESIGN: JLB/CJTC
		DRAWN: JLB/CJTC
		DATE: 5/10/87
		REV: .



NORSK DATA LTD BENHAM VALENCE NEWBURY, BERKS UNITED KINGDOM	
ID NO: 350002DD PRINT: 3202D	SHEET 17 OF 50
ND100 CPU/MMM CPU/CS/ACAL MICRO ADDR CALC	DESIGN: JLB/CJTC DRAWN: JLB/CJTC DATE: 15/10/87
REV: 1	

		NORSK DATA LTD BENHAR VALENCE NEWBURY, BERKS UNITED KINGDOM	
ID NO: 350002DD PRINT: 3202D	SHEET 19 OF 50	DESIGN: JLB/CJTC DRAWN: JLB/CJTC DATE: 5/10/87	REV: 1
ND100 CPU/MMS CPU/CS/PROH CS PROHS	7		

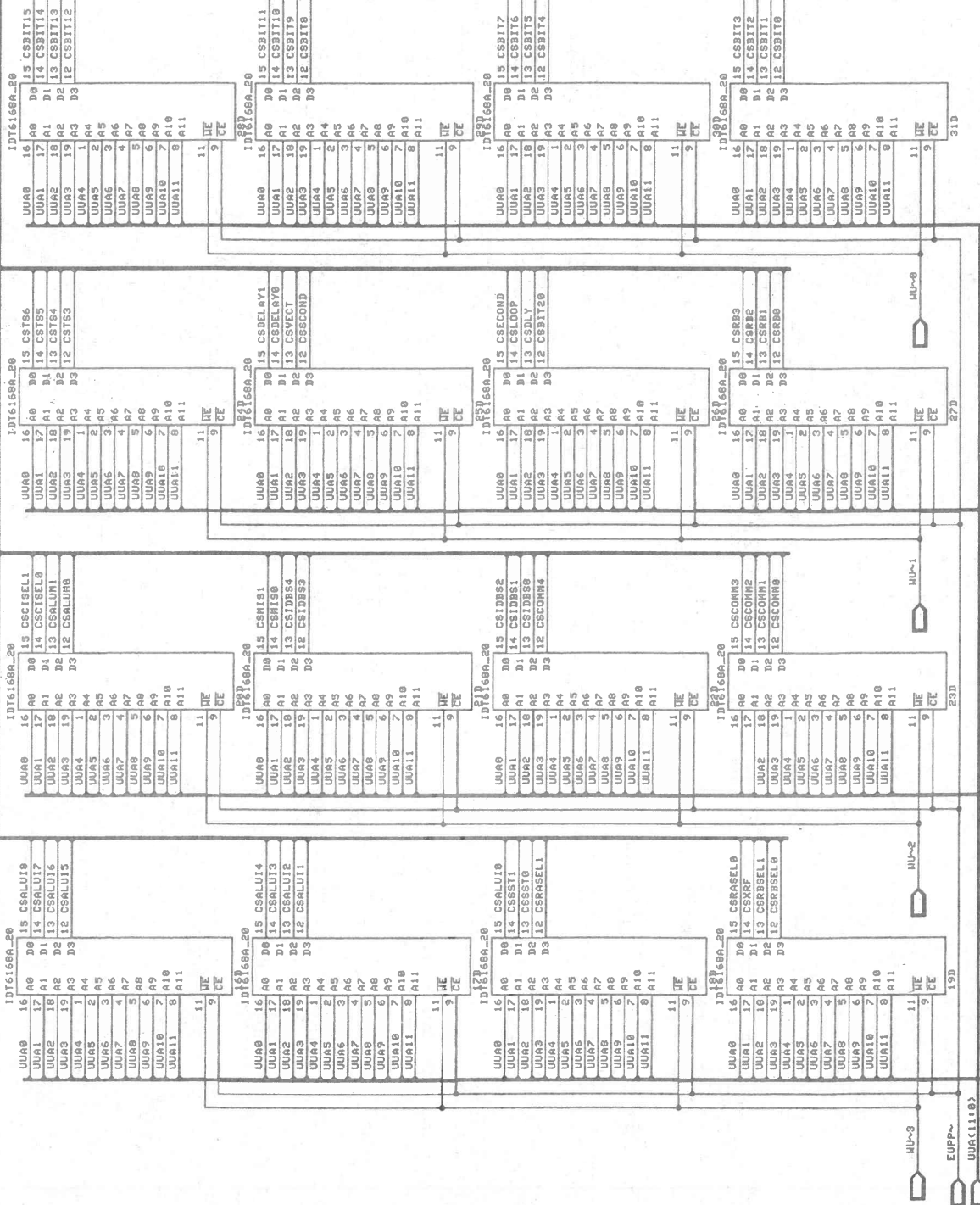




	
NORSK DATA LTD BENHAM VALENCE NEWBURY, BERKS UNITED KINGDOM	
ID NO: 358082DD PRINT: 3282D	SHEET 20 OF 50
ND120 CPU/MEM CPU/CS/TCV CS TRANSCIVERS	DESIGN: JLB/CJTC DRAWN: JLB/CJTC DATE: 5/10/87
REV: .	

CSBIT8

B

ID NO: 350002DD
PRINT: 3202DDESIGN: JLB/CJTC
DRAWN: JLB/CJTC
DATE: 5/10/87

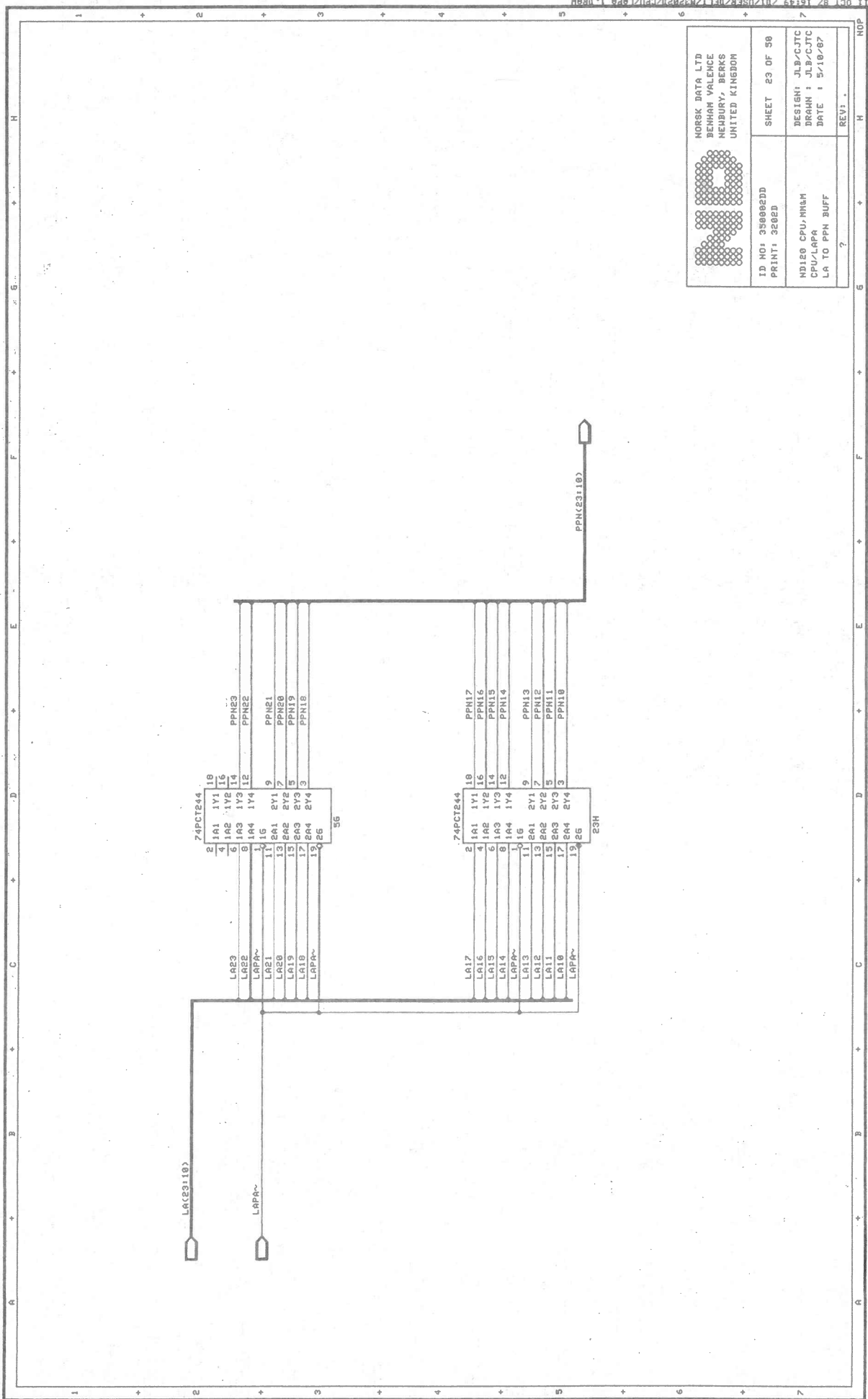
SHEET 21 OF 90

11 OCT 87 16:45 /BI/USER/DELI/M3202D/CPU/CS/HCS I.DRAW

CSBITS
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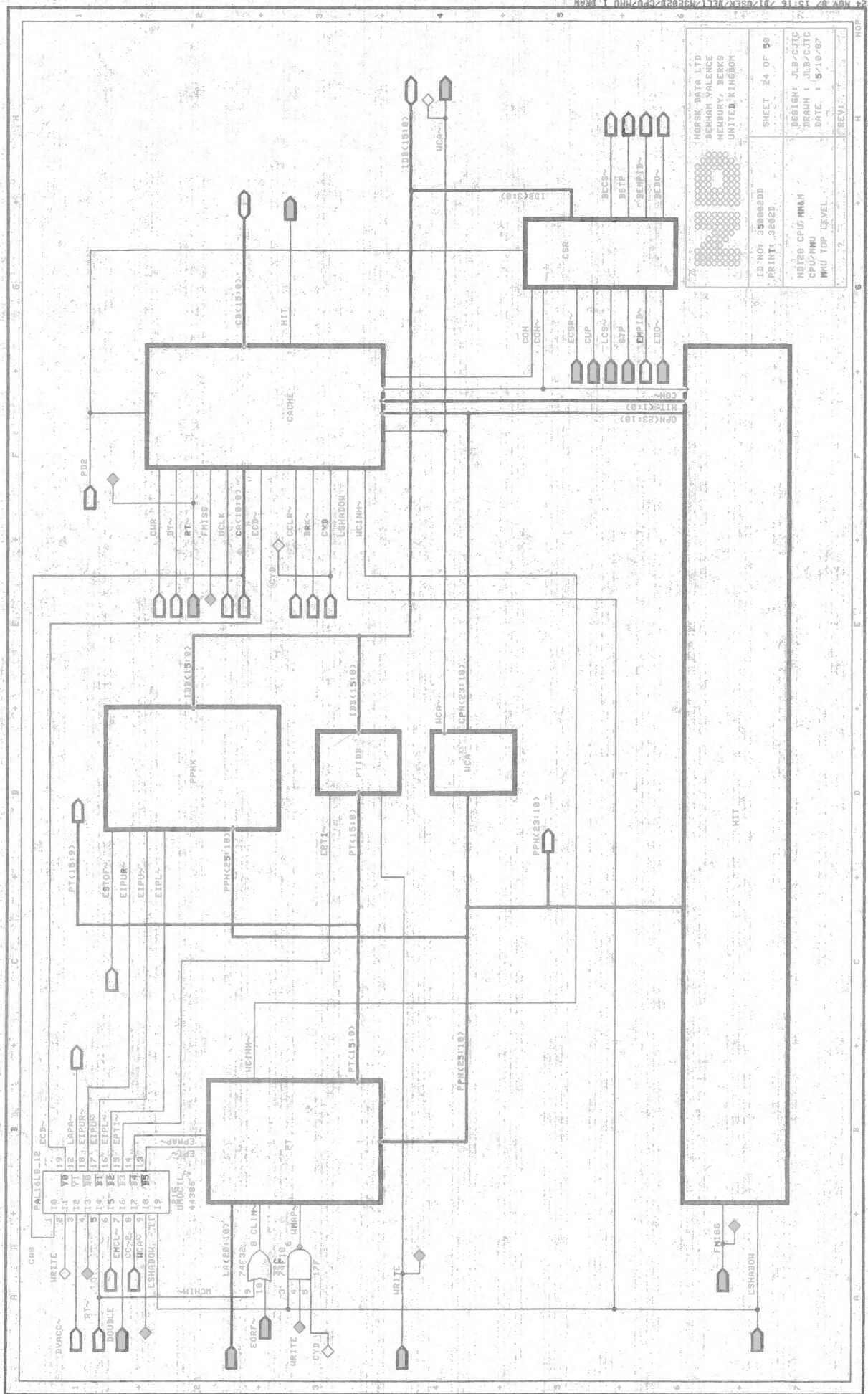
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LUA2	18	D1	13	CSALUI6
LUA3	19	D2	12	CSALUI5
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LUA6	3	D5		
LUA7	4	D6		
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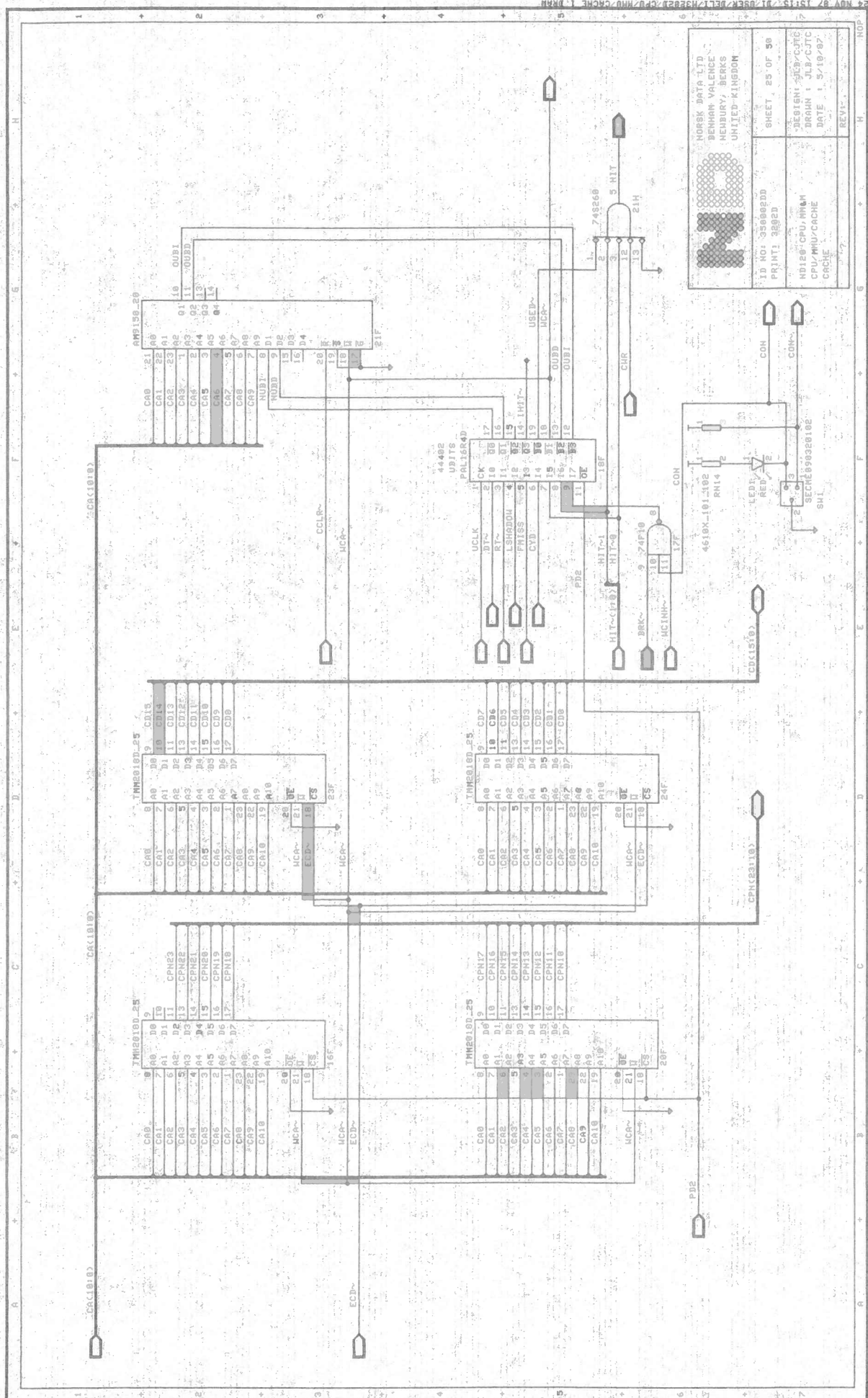
NORSK DATA LTD
BENHAM VALENCE
HENBURY, BERKS
UNITED KINGDOM

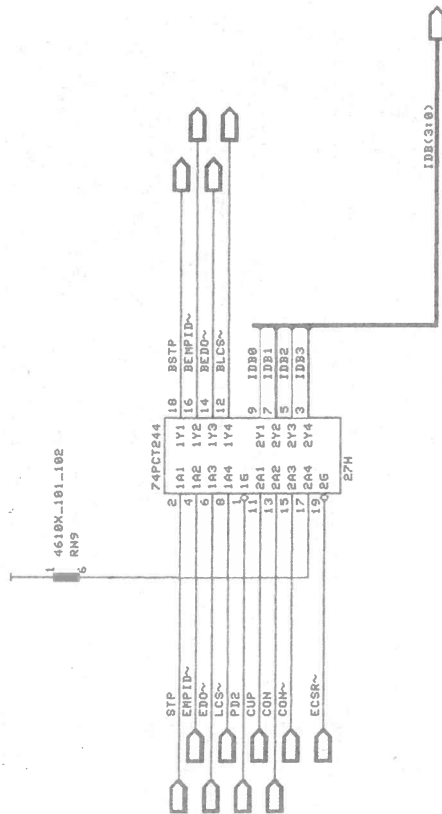
ID NO: 350002DD PRINT: 3202D	SHEET 23 OF 99
ND120 CPU,MM,M CPU/LAPA LA TO PPN BUFF	DESIGN: JLB/CJTC DRAWN: JLB/CJTC DATE: 5/10/87
?	REV: .



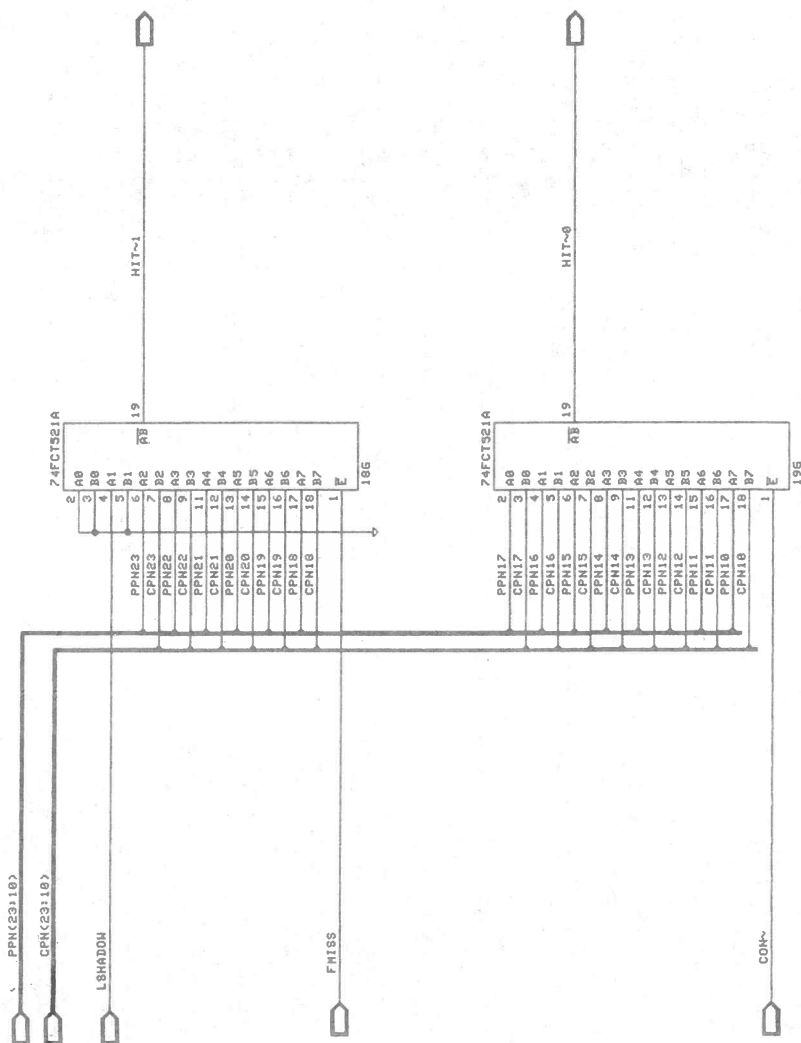
NORSE DATA LTD BENHAM VALENT NEWBURY, BERKS UNITED KINGDOM	
ID NO: 3500820D PRINT: 3202D	SHEET 24 OF 50
NO: 120 CPU/MEM CPU/MEM MU TOP LEVEL	DESIGN: JLB/CJIC DRAWN: JLB/CJIC DATE: 15/10/87
REV: 1 2 3	REV: 1 2 3

24 NOV 87 15:16 /JLB/USER/DELL/MS802D/CPU/MEM I.B.M.





	HOSK DATA LTD BENHAM VALENCE NEWBURY, BERKS UNITED KINGDOM	ID NO: 350802DD PRINT: 3262D	SHEET 26 OF 50 DESIGN: JLB/CJTC DRAWN : JLB/CJTC DATE : 5/10/87 CPU/MNU/CSR CACH STATUS REG ?	REV: .
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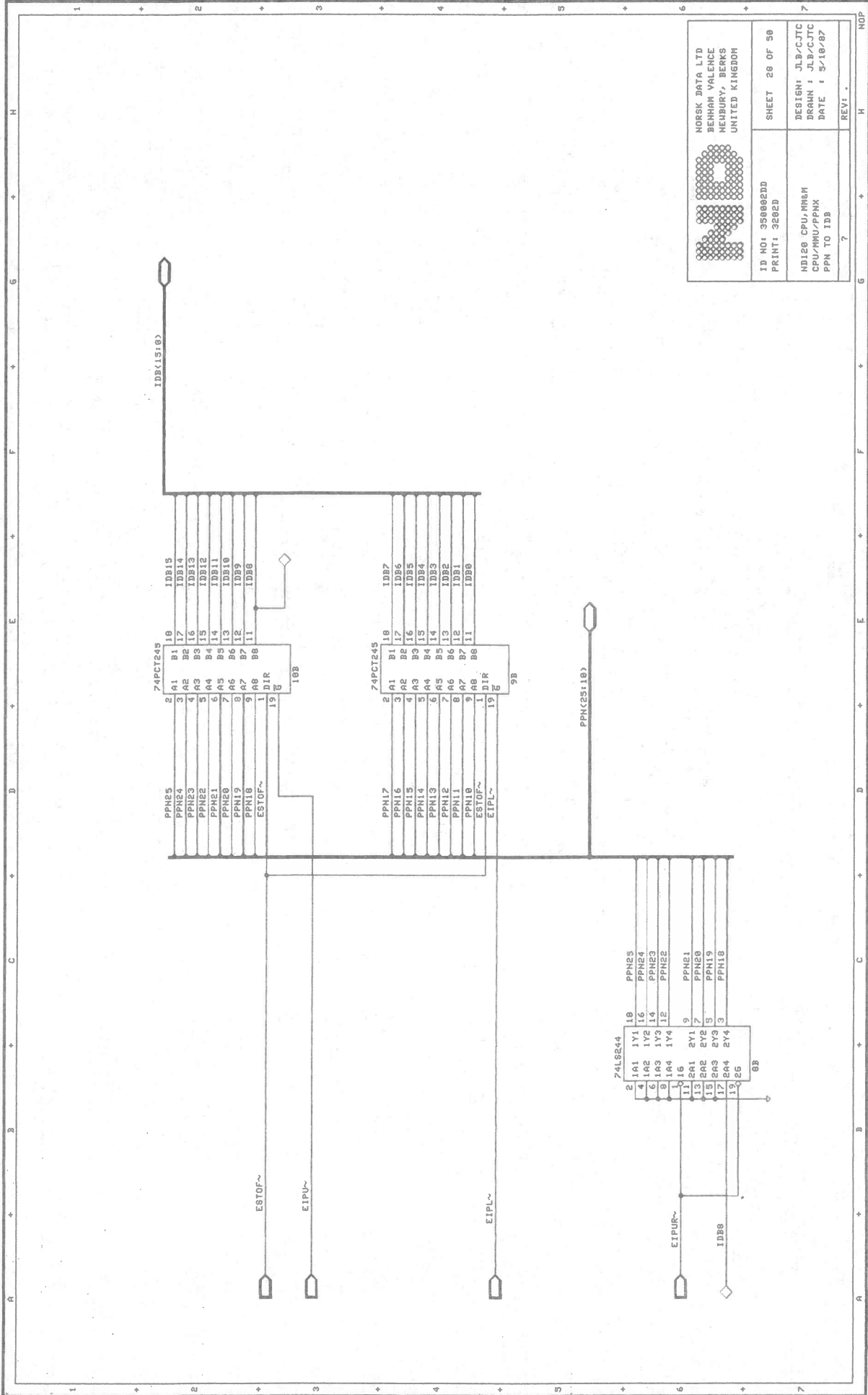


NORSK DATA LTD
BENHAM VALENCE
NEWBURY, BERKS
UNITED KINGDOM

ID NO: 350002DD
PRINT: 3202D

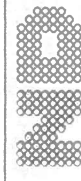
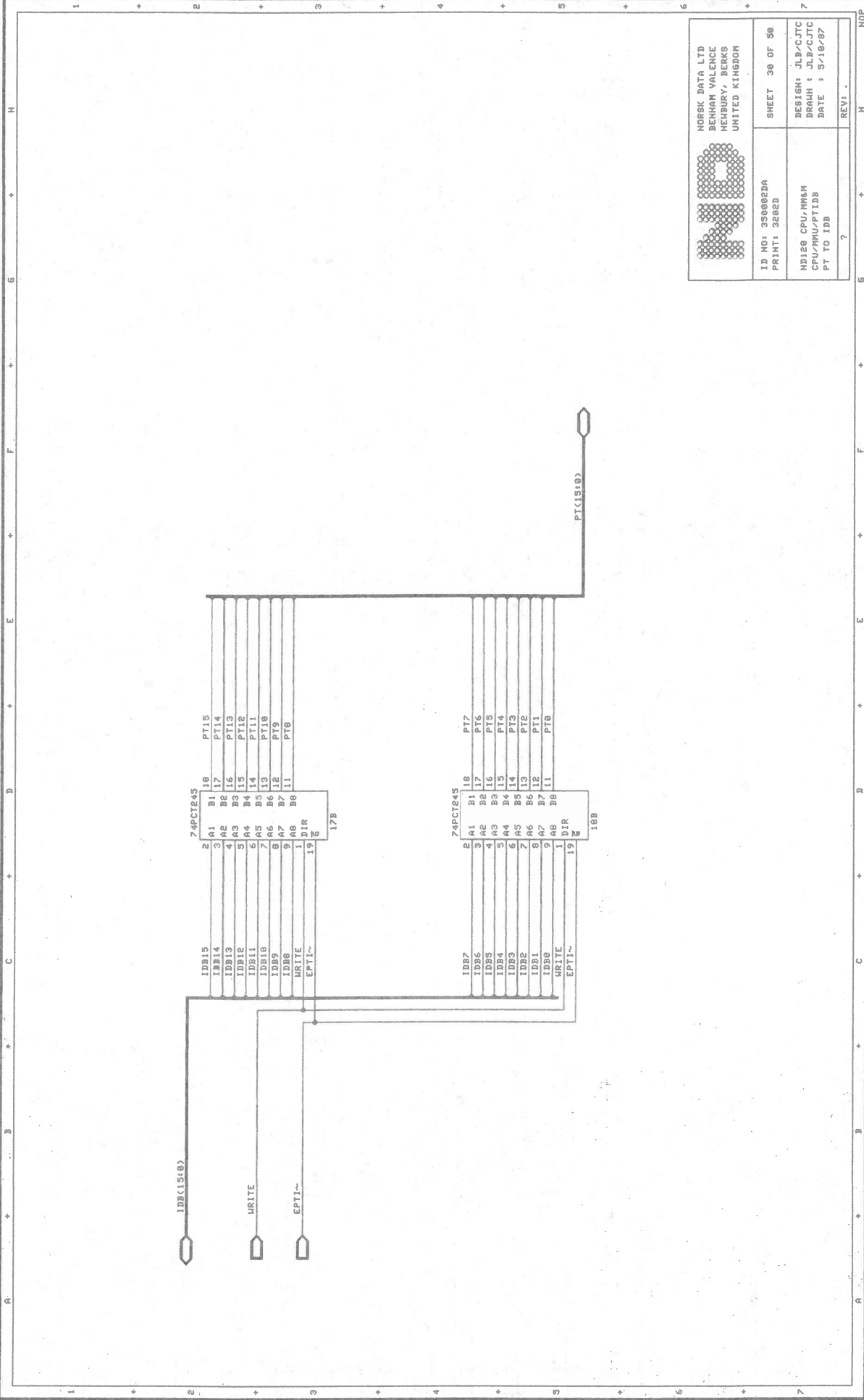
ND120 CPU/MMCM
CPU/MMU/HIT
HIT DETECT

REVI:



NORSK DATA LTD
BENHAR VALENCE
HENDURTY, BERKS
UNITED KINGDOM

1D NO: 350002DD PRINT: 3202D	SHEET 29 OF 50
ND120 CPU/MM&M CPU/MMU/PPHX PPN TO IDB	DESIGN: JLB/CJTC DRAWN: JLB/CJTC DATE: 5/18/87
7	REV: -

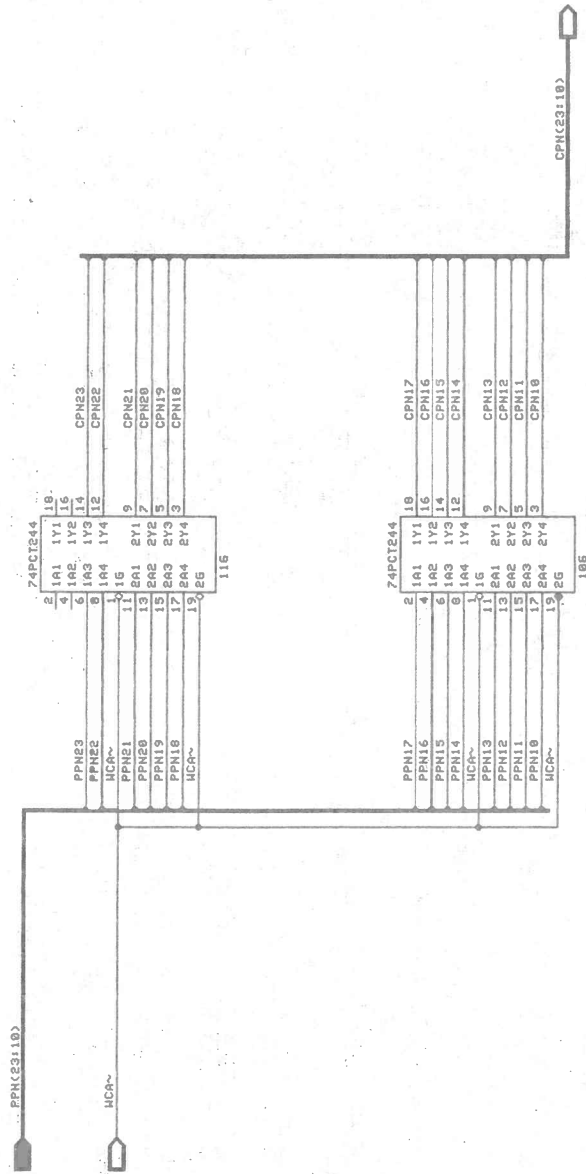


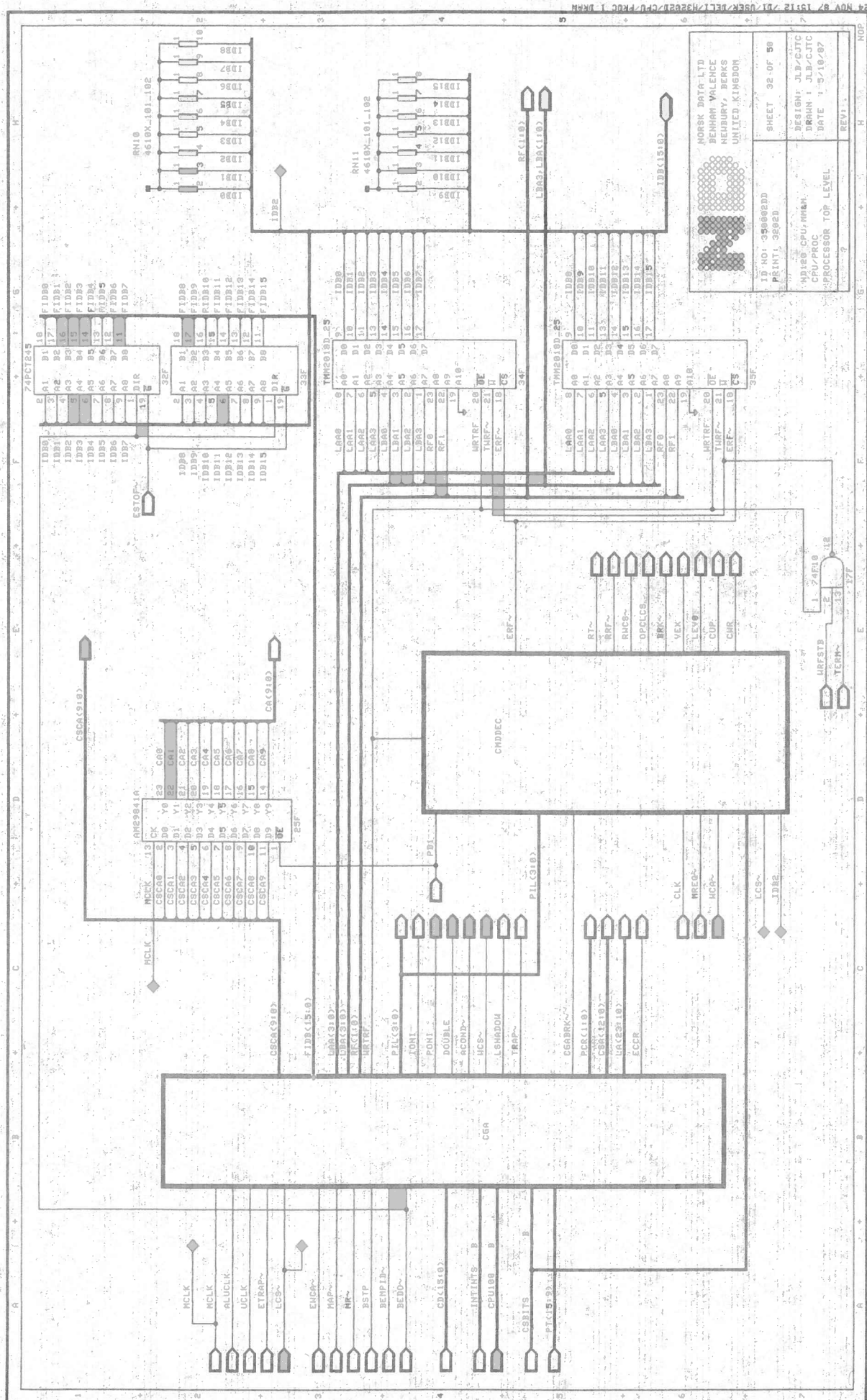
NORSK DATA LTD
 BENHAM VALENCE
 NEWBURY, BERKS
 UNITED KINGDOM

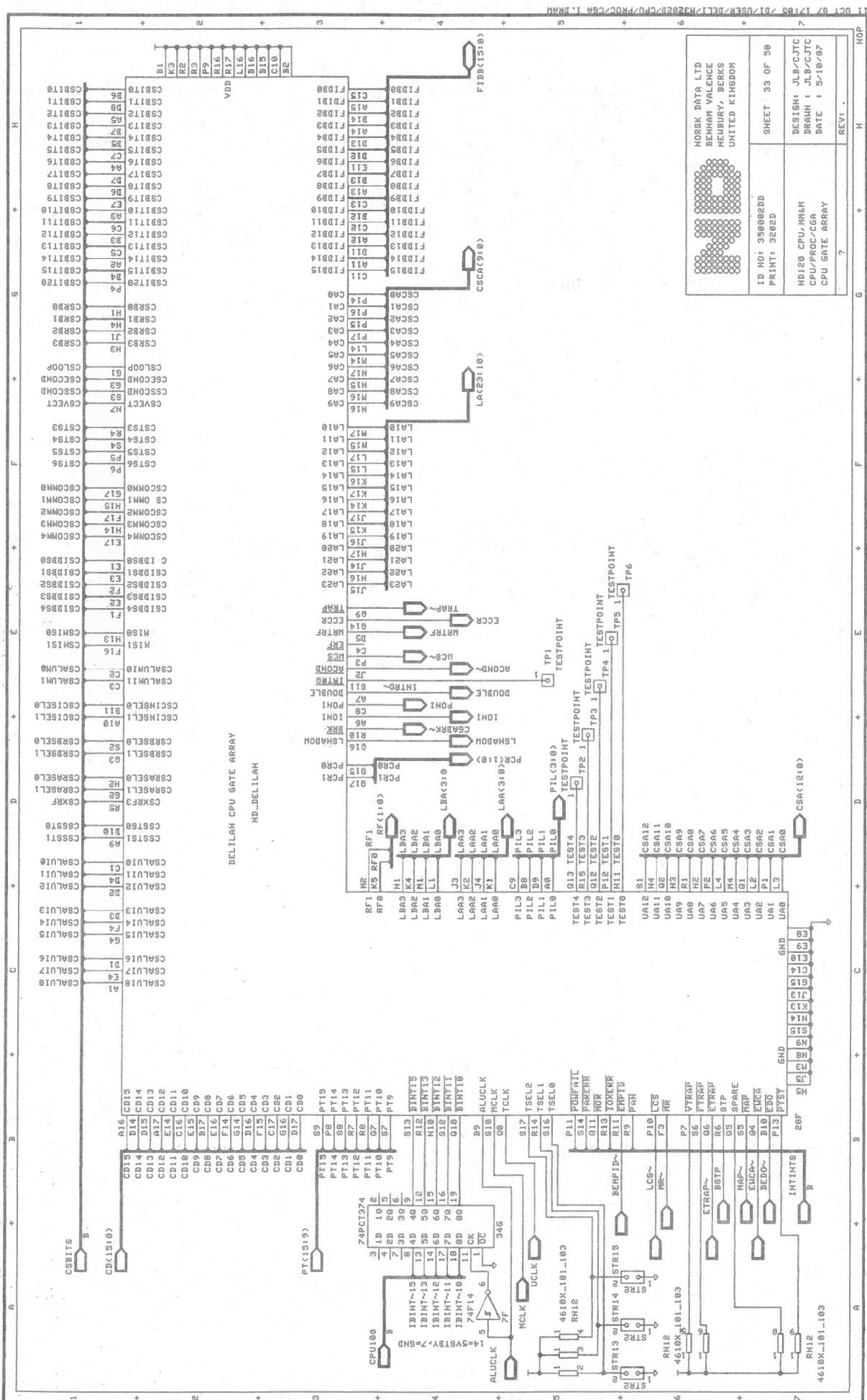
ID NO: 350002DA PRINT: 3202D	SHEET 30 OF 56
ND120 CPU/MM64 CPU/MMU/PTID3 PT TO IDB	DESIGN: JLB/CJTC DRAWN: JLB/CJTC DATE: 5/10/87
7	REV: .

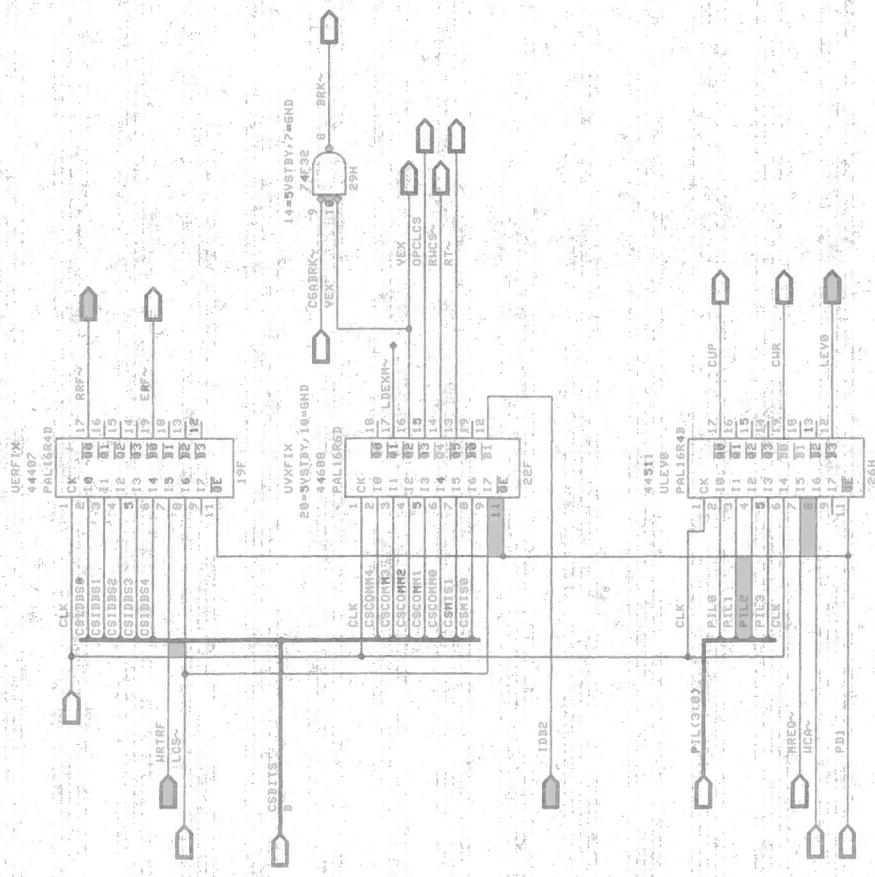
11 OCT 87 17:10 717/SER/DEL/MS202/CPU/MMU/PTID3 1.DRAW

		NORSE DATA LTD BENHAM, VALENCE RESSURTY, BERKS UNITED KINGDOM	
ID NO: 350002DD PRINT: 3202D		SHEET 31 OF 50	
WD120 CPU/MNU CPU/MNU/MCA PPN TO CPN		DESIGN: JLB/CJTC DRAWN: JLB/CJTC DATE: 5/10/87	
?		REV: .	

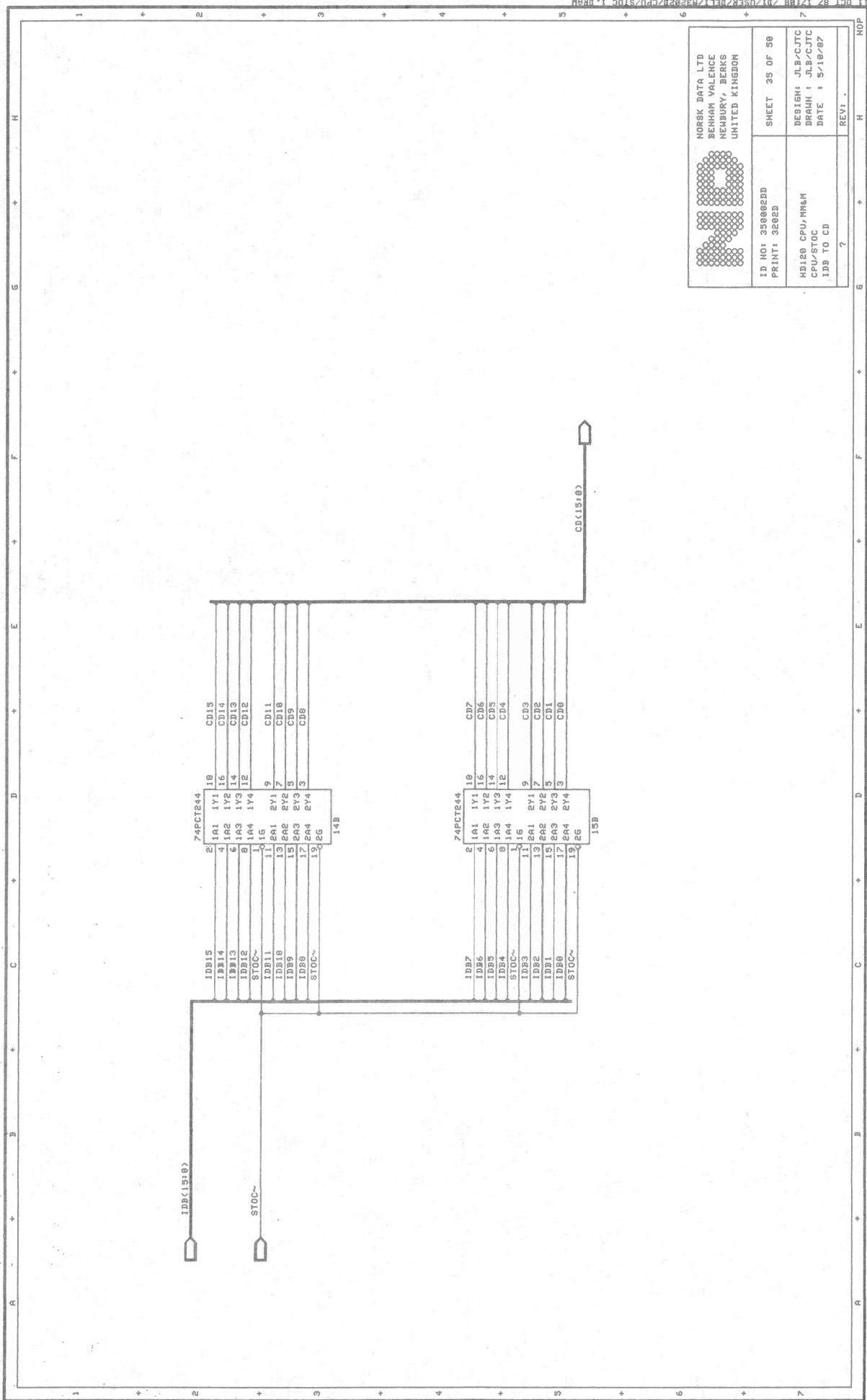




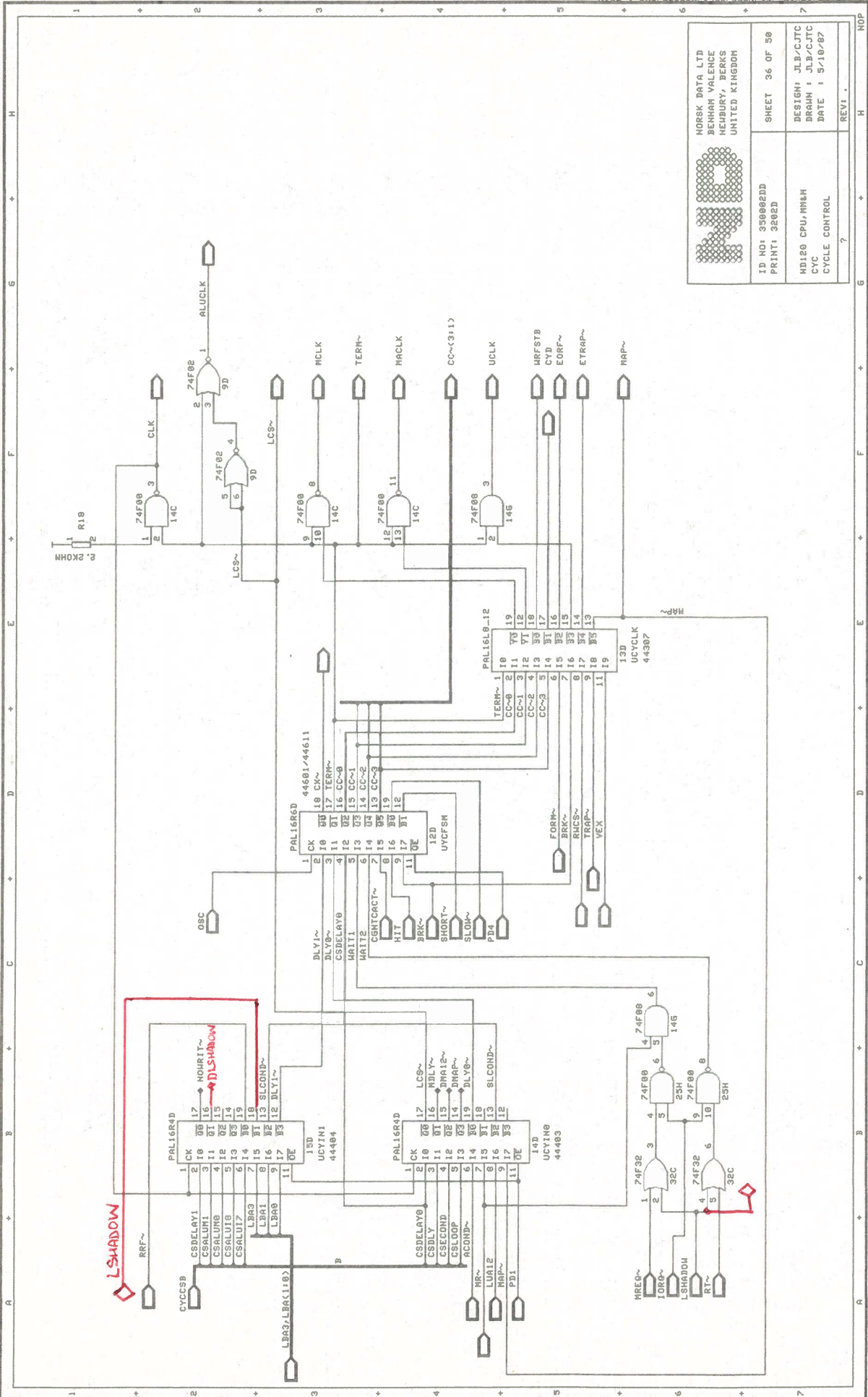




		TO: NO: 350002DD PRINT: 3202D.	SHEET 34 OF 50
NORSK DATA LTD BENHAM VALENT NEWBURY, BERKS UNITED KINGDOM		NO: CPU/MMM CPU/PROC/CHDDEC COMMAND & IDB DECODE	DESIGN: JLB/CJTC DRAWN: JLB/CJTC DATE: 15/10/87
		REV: 1	REV: 1



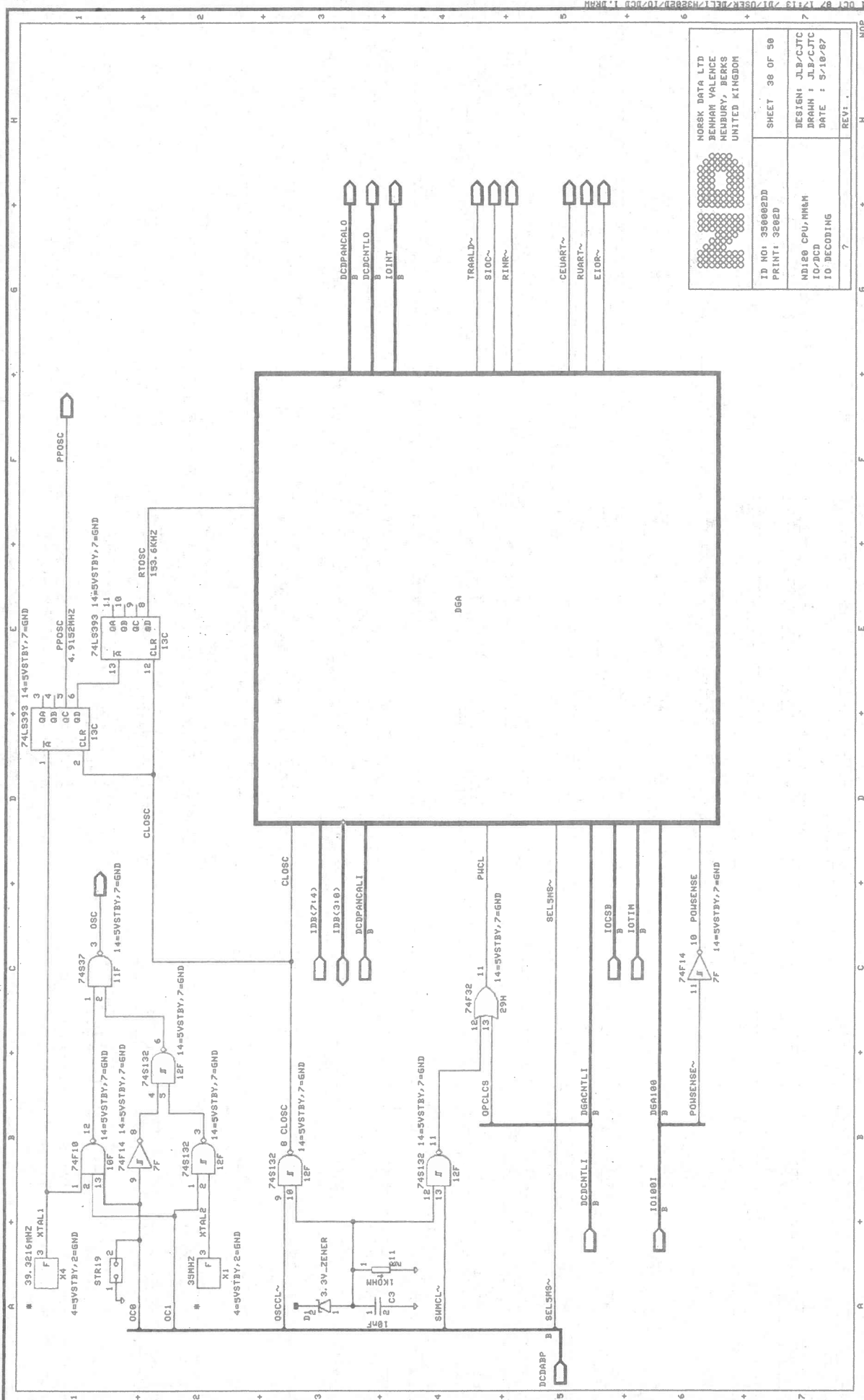
11 OCT 87 17:18 / J1/USER/DEL1/M3082D/CVC 1.DRAW

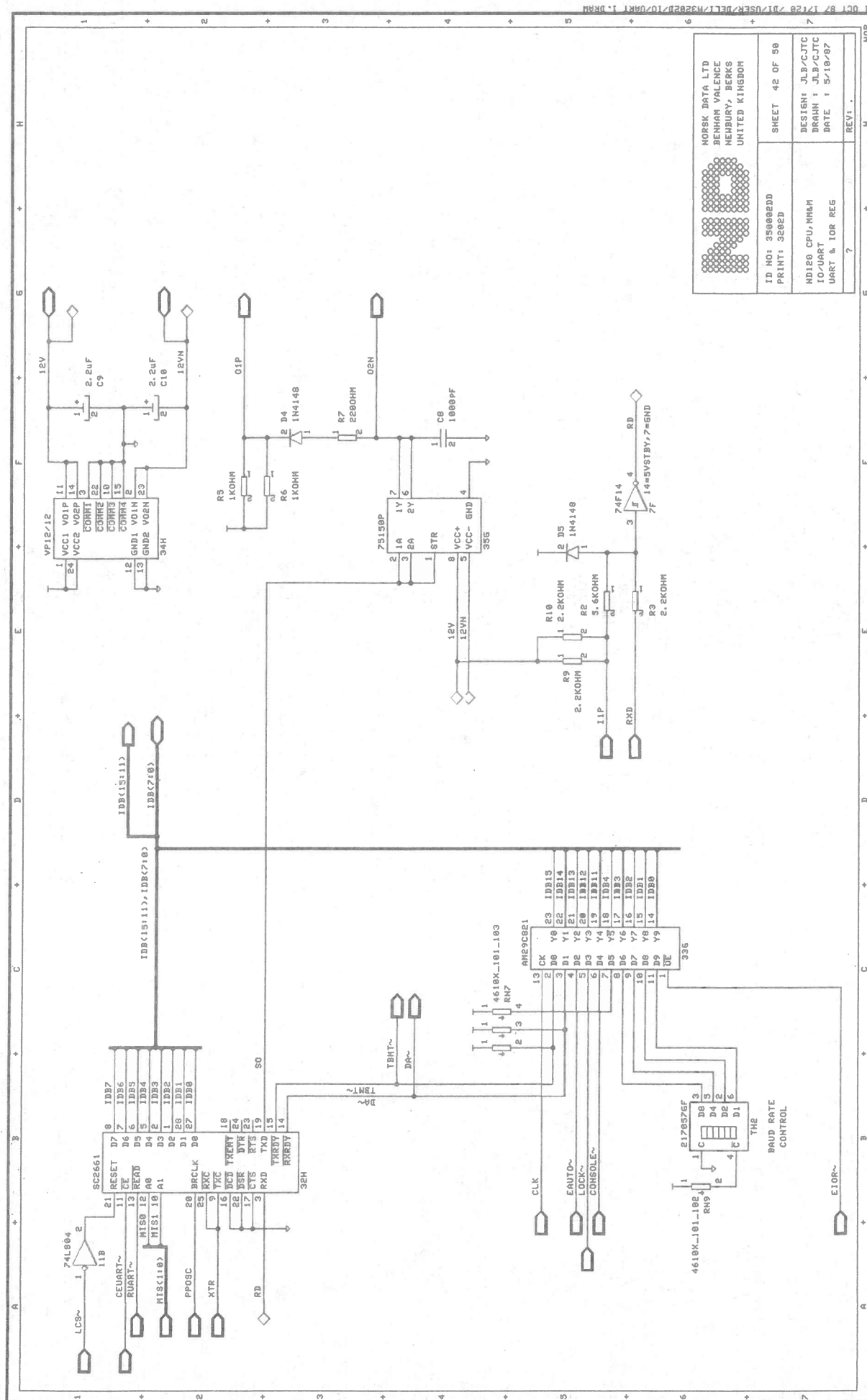


HORSK DATA LTD
BENHAM VALENT
NEWBURY, BERKS
UNITED KINGDOM

ID NO: 358082DD PRINT: 3282D	SHEET 36 OF 50
ND120 CPU/MNH CYC CYCLE CONTROL	DESIGN: JLB/CJTC DRAWN: JLB/CJTC DATE: 5/10/87 REV: .

11 OCT 87 17:18 / J1/USER/DEL1/M3082D/CVC 1.DRAW



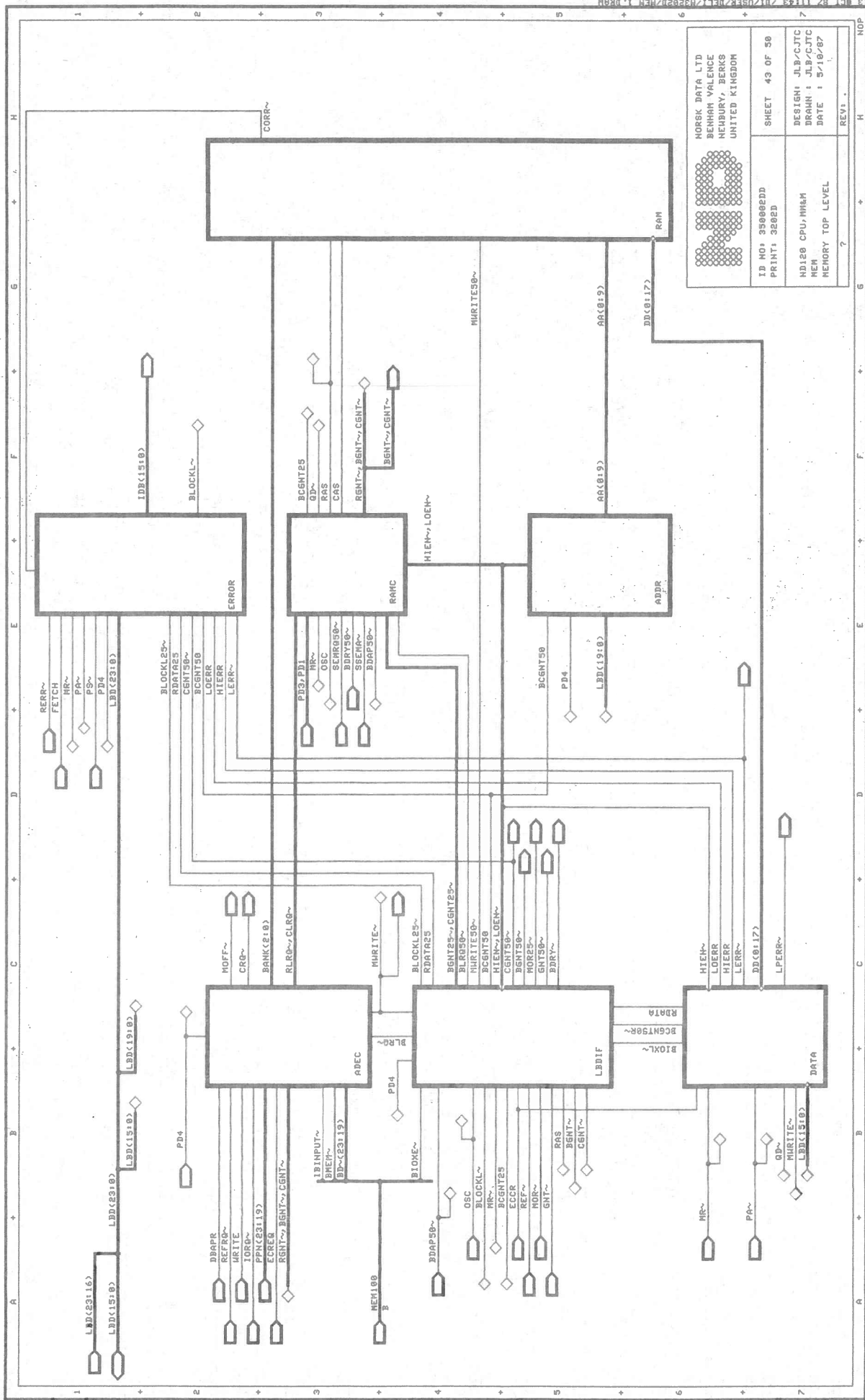


NORSK DATA LTD
BENHAM VALENCE
NEWBURY, BERKS
UNITED KINGDOM

ID NO: 350002DD
PRINT: 3202D
SHEET 42 OF 50

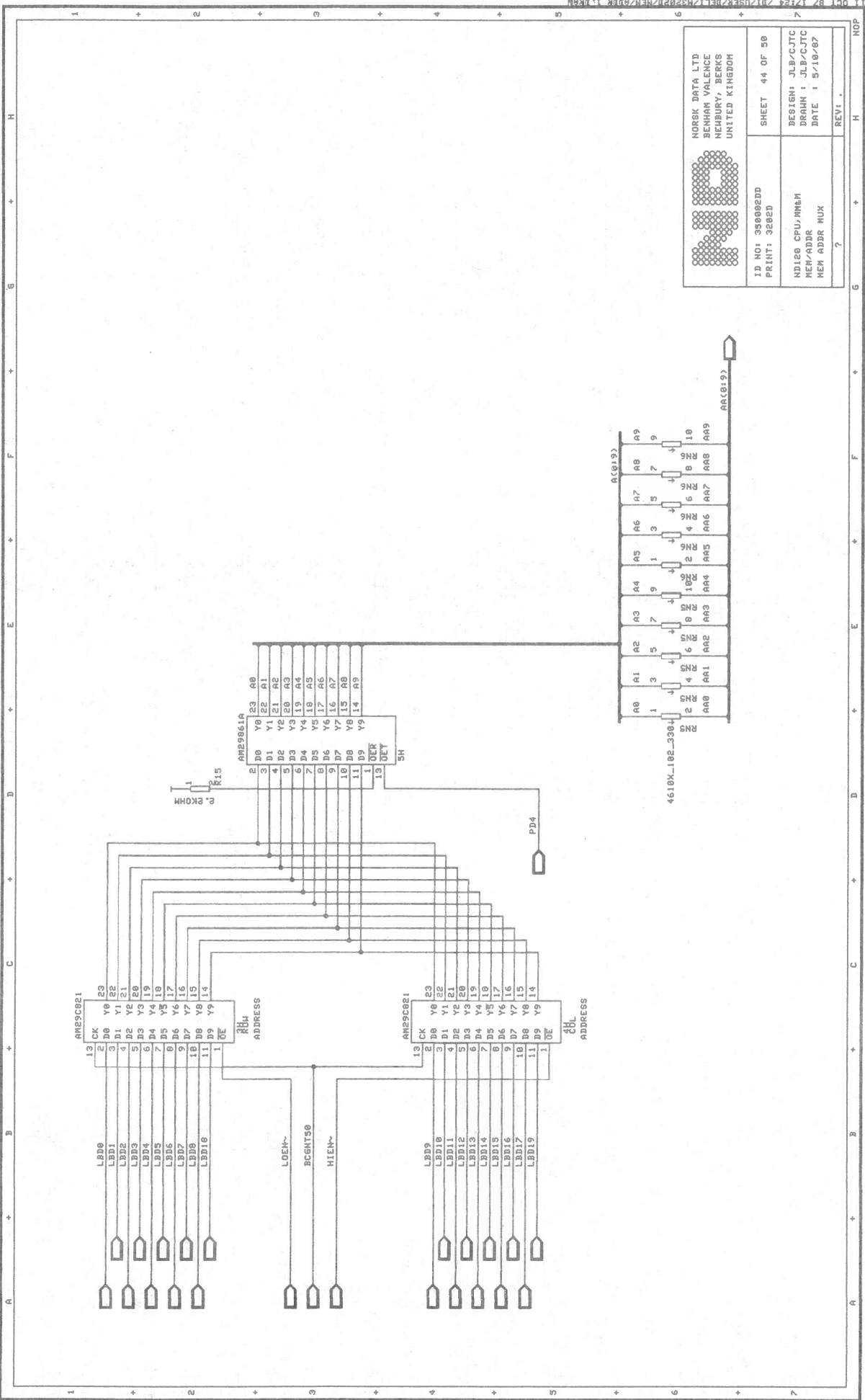
HD120 CPU, MM6M IO/UART UART & IOR REG	DESIGN: JLB/CJTC DRAWN: JLB/CJTC DATE: 5/18/87
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?	REV: .
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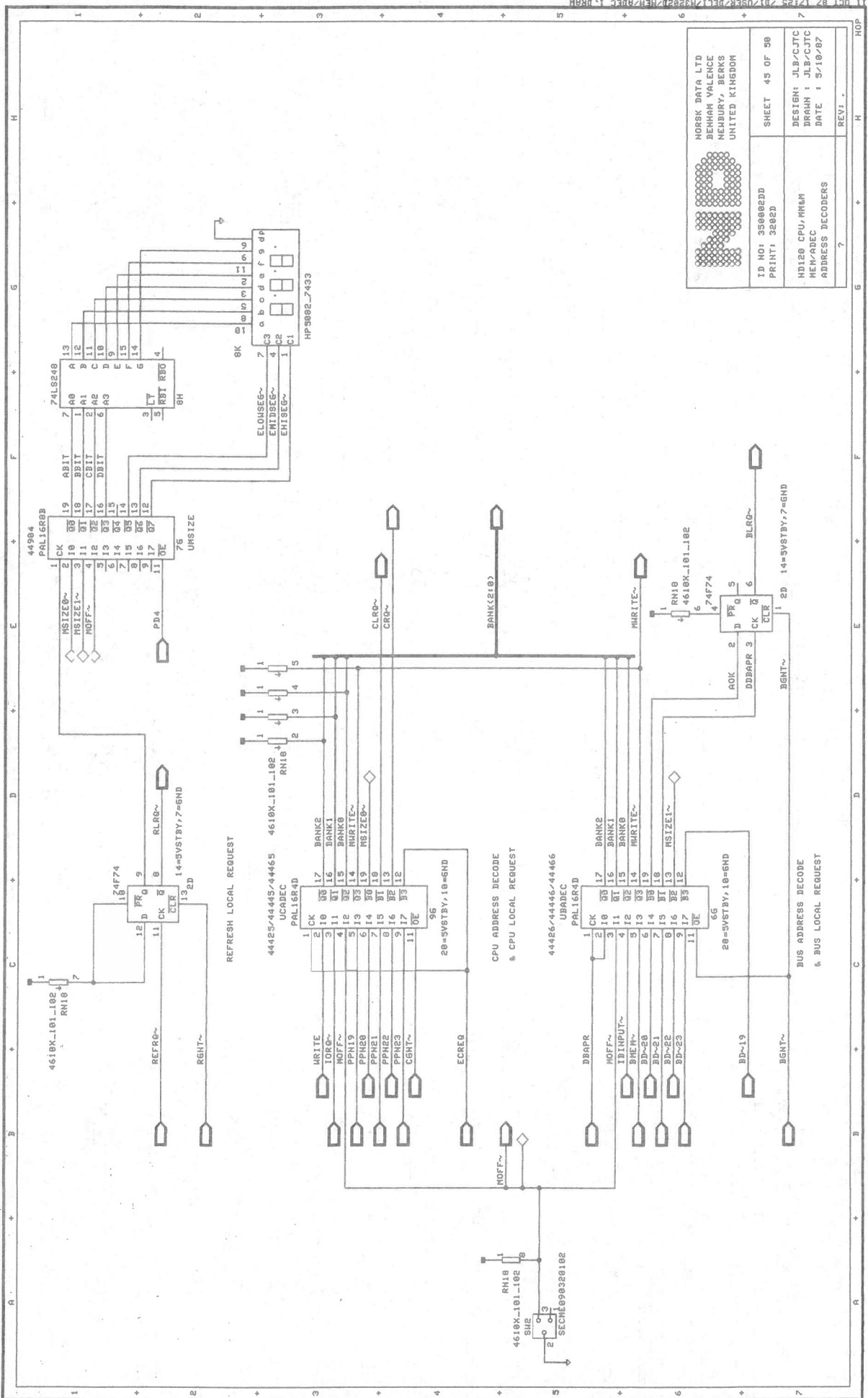
		SHEET 43 OF 50 DESIGN: JLB/CJTC DRAWN: JLB/CJTC DATE: 15/10/87	
ID NO: 35000220 PRINT: 32020		NDI20 CPU/MHM MEM MEMORY TOP LEVEL	
		REV: 1	

13 OCT 87 11:43 JDI/USEK/DELTA/MS020/HEM 1.DRAM



		NORSK DATA LTD BENJAM VALENCE NEWBURY, BERKS UNITED KINGDOM	
ID NO: 350002DD	PRINT: 3282D	SHEET 44 OF 50	DESIGN: JLB/CJTC
ND120 CPU, MMEM	NEW ADDR	NEW ADDR NUX	DATE: 5/10/87
?	?	?	REV: .

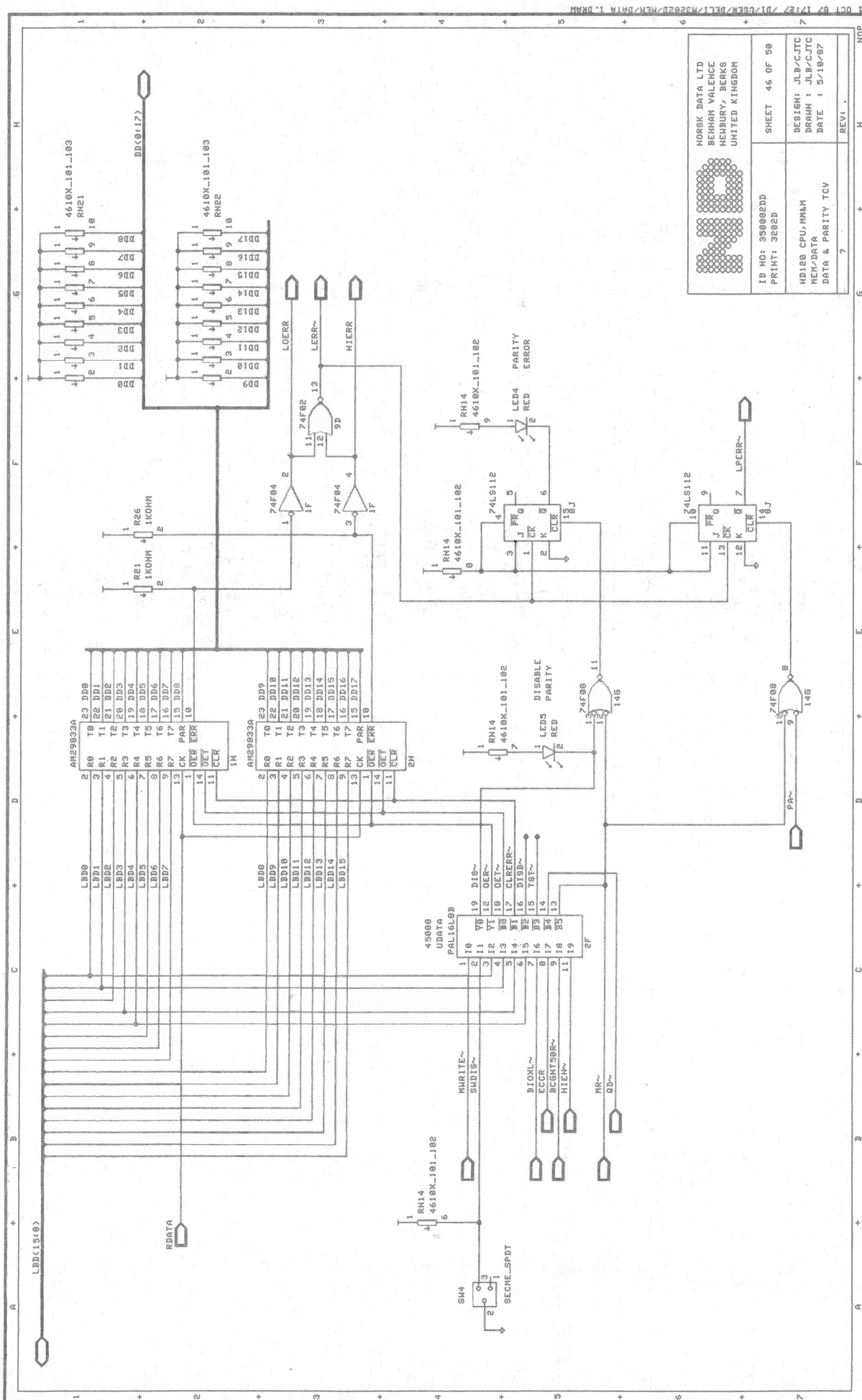
11 OCT 87 17:24 / D1/USER/DELTA/H3202D/NEW/ADDR 1.LKRM



NORSK DATA LTD
BENHAM VALENT
NEWBURY, BERKS
UNITED KINGDOM

ID NO: 350002DD PRINT: 3202D	SHEET 45 OF 50
ND120 CPU/MMM NEW/DEC ADDRESS DECODES	DESIGN: JLB/CJTC DRAUN: JLB/CJTC DATE: 5/10/87
7	REV: .

11 OCT 87 17:25 J1/05EN/DEL1/N3202D/NEW/DEC 1.DRAW



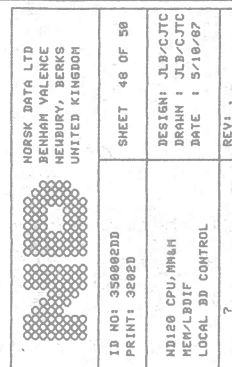
NORSK DATA LTD
BENHAM VALENCE
NEWBURY, BERKS
UNITED KINGDOM

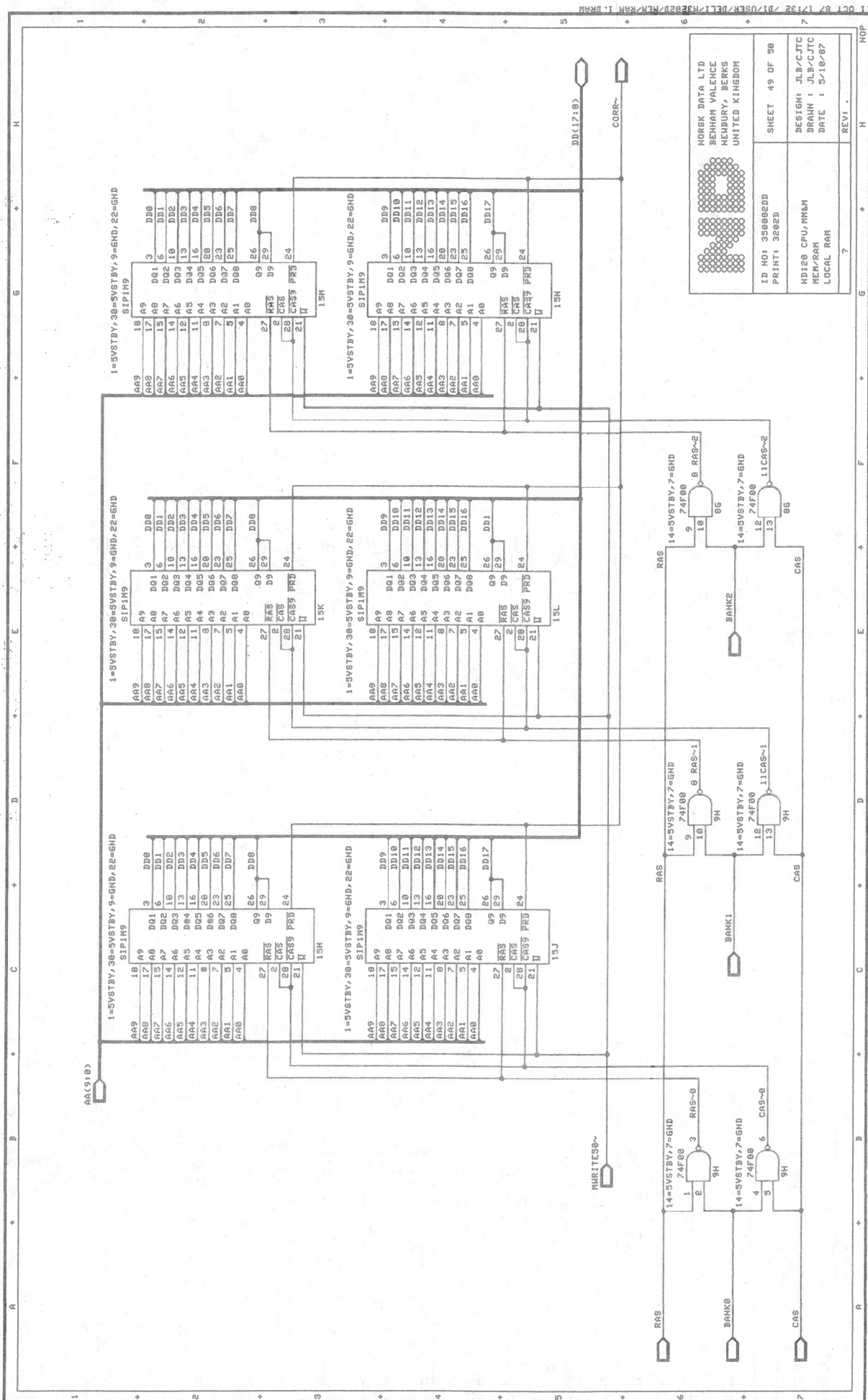
ID NO: 350002DD SHEET 46 OF 50

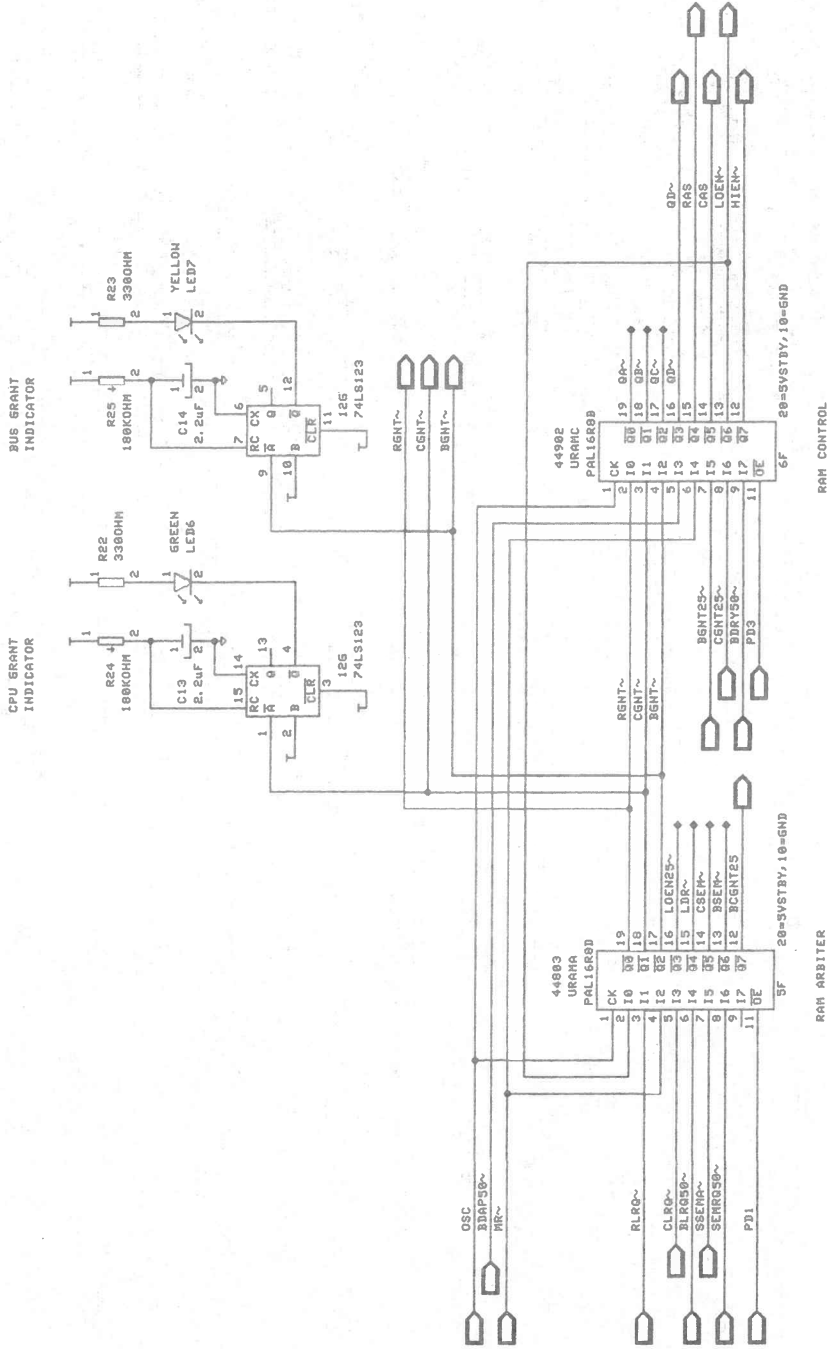
ND120 CPU, MM&M
MEM-DATA
DATA & PARITY TCY

REV: 1

SHEET 46 OF 50







NORSK DATA LTD BENHAM VALENCE NEWBURY, BERKS UNITED KINGDOM	
10 M01 350002DD PRINTI 3202D	SHEET 50 OF 50
HD120 CPU/MEM MEM/RANC LOCAL RAM CONTROL	DESIGN: JLB/CJTC DRAWN: JLB/CJTC DATE: 5/10/87
?	REV: -

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100