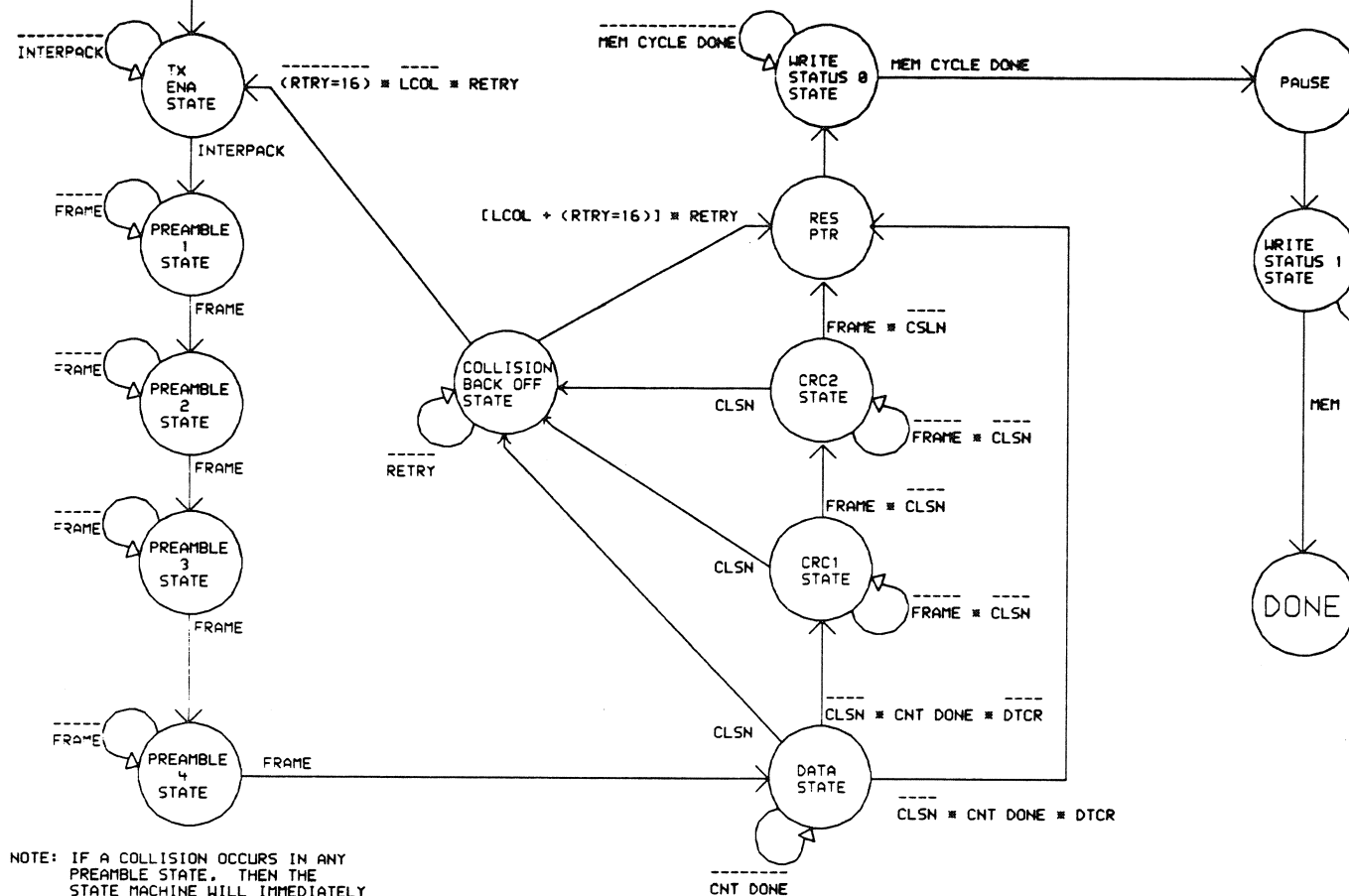
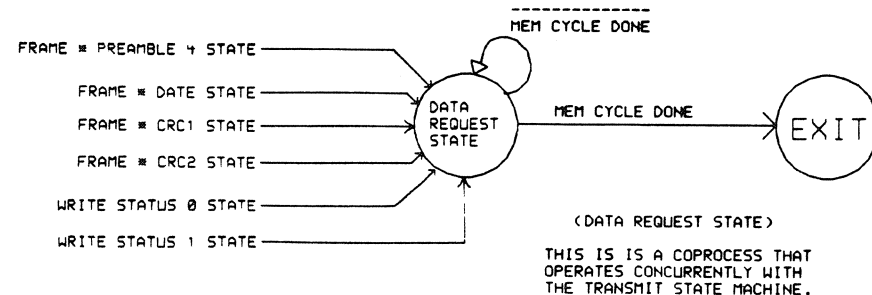


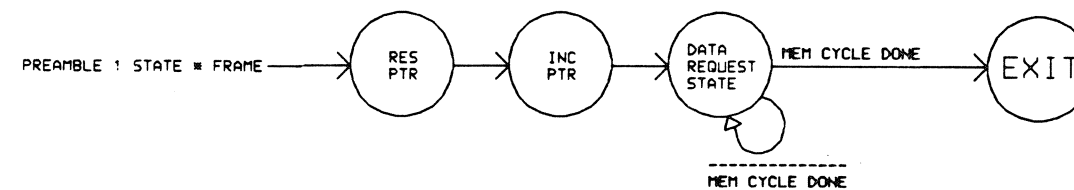
ON * TATT



NOTE: IF A COLLISION OCCURS IN ANY PREAMBLE STATE, THEN THE STATE MACHINE WILL IMMEDIATELY ENTER THE COLLISION BACK OFF STATE. UPON COMPLETION OF PREAMBLE 4 STATE.



(DATA REQUEST STATE)
THIS IS A COPROCESS THAT OPERATES CONCURRENTLY WITH THE TRANSMIT STATE MACHINE.



(LOAD BYTE COUNTER STATE)
THIS IS A COPROCESS THAT OPERATES CONCURRENTLY WITH THE TRANSMIT STATE MACHINE.

TRANSMIT STATE MACHINE INPUTS

PROCESS STATE	REFERENCE SIGNAL	REFERENCE PIN
INTERPACK	LNKL INTERPACK L	E92-19
ON	LNKN ON H	E110-2
TATT	LNKH BTATT H	E81-5
FRAME	LNKJ TX FRAME H	E87-8
CSLN	LNKH SYNC CLSN H	E81-12
RETRY	LNKN RETRY H	E51-15
RTRY	LNKK RTRY H	E21-15
CNT DONE	LNKN TX CNT DONE L	E51-12
MEM CYCLE DONE	LNKN TX MEM CYCDN H	E41-2
DTCR	LNKN DTCR H	E93-7

TRANSMIT STATE MACHINE OUTPUTS

PROCESS STATE	REFERENCE SIGNAL	REFERENCE PIN
TX ENA STATE	LNKL TX ENA STATE L	E49-12
TX PREAMBLE 1 STATE	LNKL PREAM 1 STATE L	E49-13
	LNKL TX LEN REQ L	E36-17
TX PREAMBLE 2 STATE	LNKL PREAM 2 STATE L	E49-14
TX PREAMBLE 3 STATE	LNKL PREAM 3 STATE L	E49-15
TX PREAMBLE 4 STATE	LNKL PREAM 4 STATE L	E49-16
DATA STATE	LNKL TX DATA STATE L	E49-18
	LNKL TX ENA CRC L	E36-15
	LNKL SEL TX DATA L	E36-16
CRC 1 STATE	NONE - LOW ASSERTED	E51-12
CRC 2 STATE	NONE - LOW ASSERTED	E51-13
RES PTR STATE	LNKL RES TX PNTR L	E38-8
INC PTR STATE	LNKN INC TX PNTR L	E41-12
WRITE STATUS 0 STATE	LNKL TX WR STAT0 L	E51-15
WRITE STATUS 1 STATE	LNKL TX WR STAT1 L	E51-16
DATA REQUEST STATE	LNKL TX REQUEST H	E62-12
	PP TX ACK L	PORT
	BUS READ H	E100-6
	LNKN TX MEM CYCDN H	E41-2
DONE	LNKL TX DONE L	E51-18

TRANSMIT STATE MACHINE-LNKL
STATE DIAGRAM-1

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REVISIONS
CHK CHANGE NO. REV

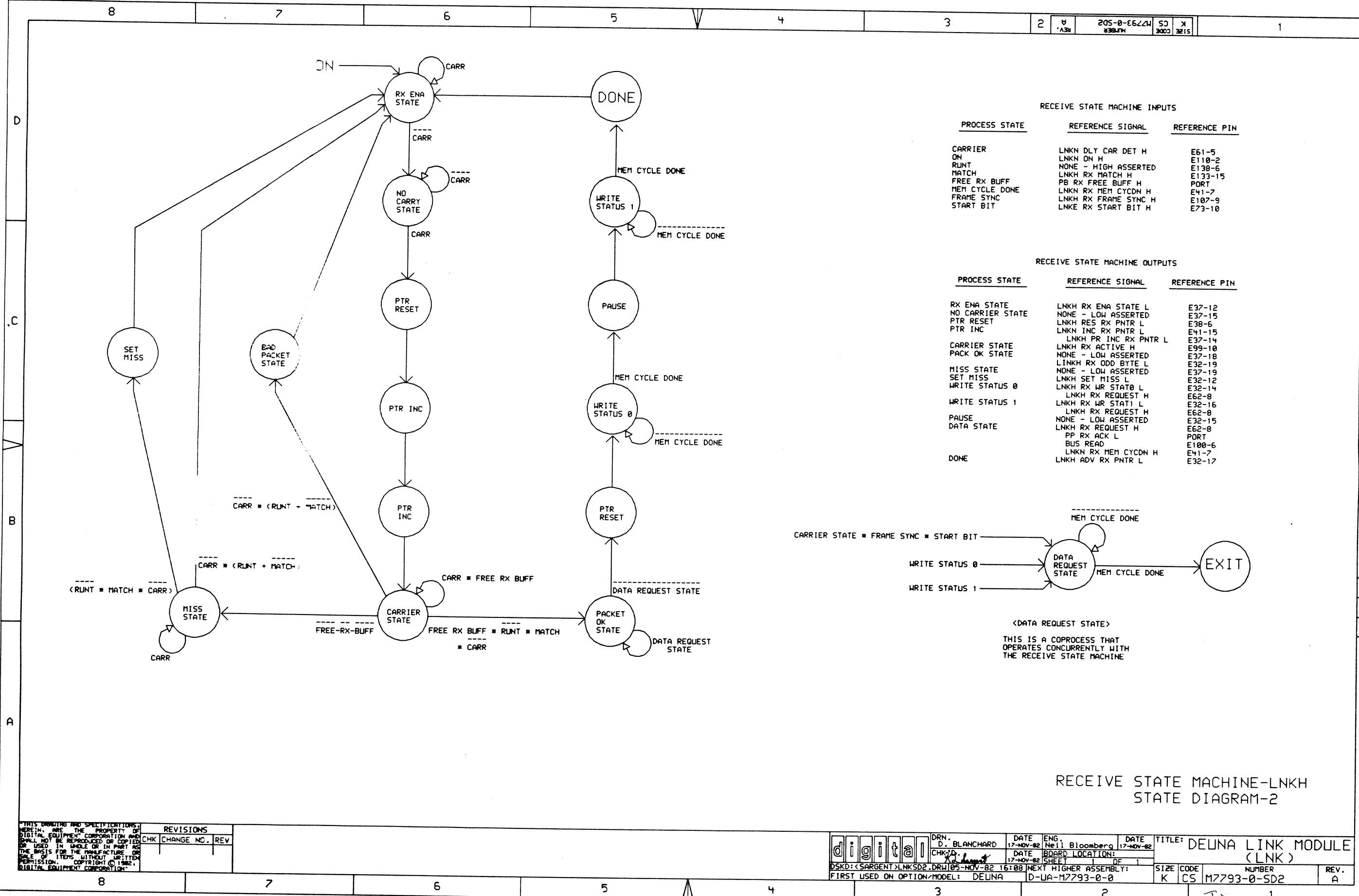
digital
DRN. D. BLANCHARD
CHKD. *[Signature]*

DATE 17-NOV-82	ENG. Neil Bloomberg	DATE 17-NOV-82
DATE 17-NOV-82	BOARD LOCATION: 1	DATE 17-NOV-82
SHEET 1 OF 1		

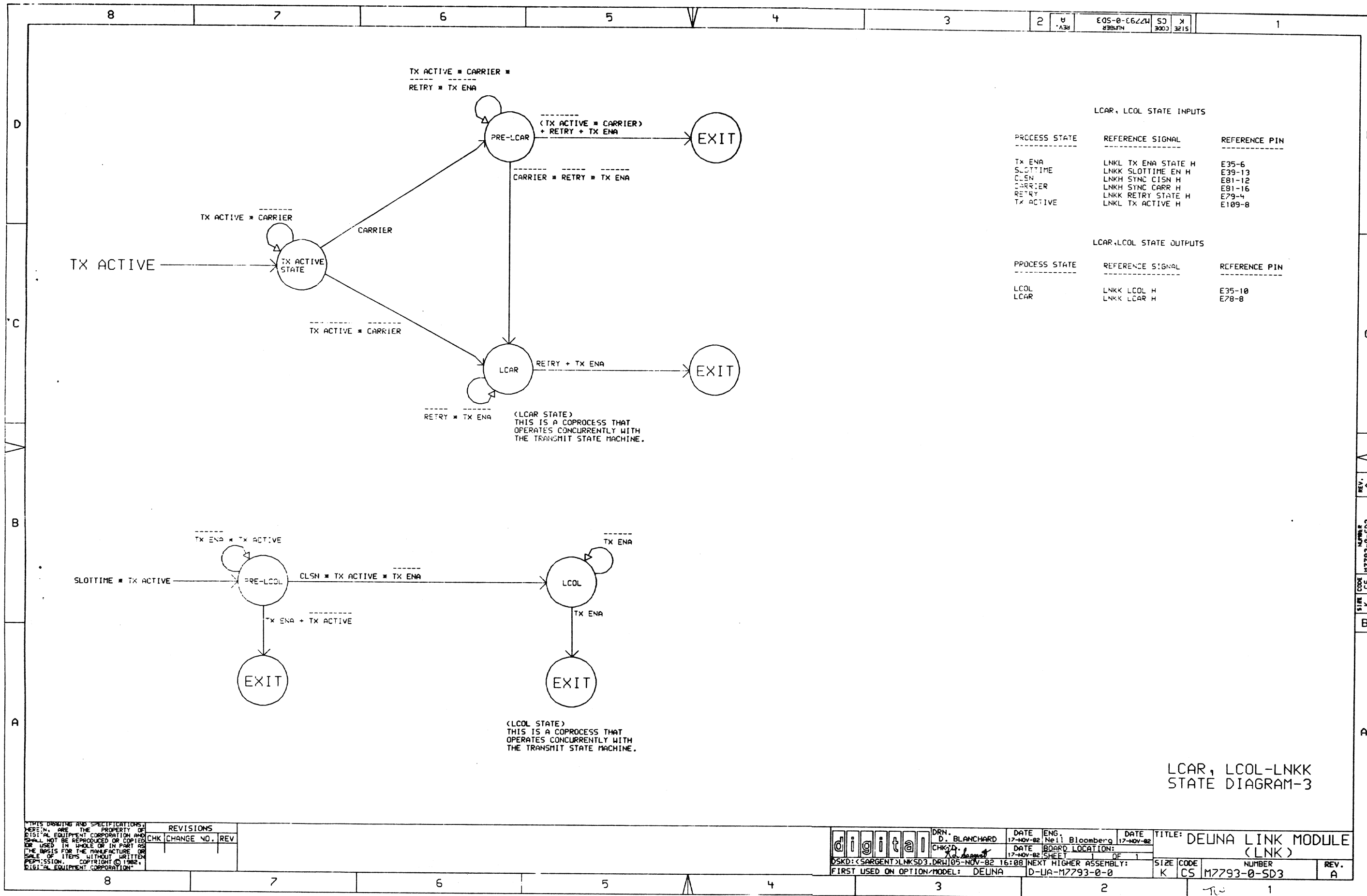
TITLE: DEUNA LINK MODULE (LNK)			
SIZE K	CODE CS	NUMBER M7793-0-SD1	REV. A

DSKD: (SARGENT) LNKS01.DRW/05-NOV-82 16:08 NEXT HIGHER ASSEMBLY: D-UA-M7793-0-0

FIRST USED ON OPTION/MODEL: DEUNA



RECEIVE STATE MACHINE-LNKH
STATE DIAGRAM-2



REVISIONS		
CHK	CHANGE NO.	REV

digital	DRN. D. BLANCHARD	DATE 17-NOV-82	ENG. Neil Bloomberg	DATE 17-NOV-82	TITLE: DEUNA LINK MODULE (LNK)
	CHK'D. <i>[Signature]</i>	DATE 17-NOV-82	BOARD LOCATION: 1	OF 1	
	DSKD: (SARGENT) LNKS03.DRW	05-NOV-82 16:08	NEXT HIGHER ASSEMBLY: D-LA-M7793-0-0	SIZE CODE K CS	NUMBER M7793-0-SD3
FIRST USED ON OPTION/MODEL: DEUNA					

8

7

6

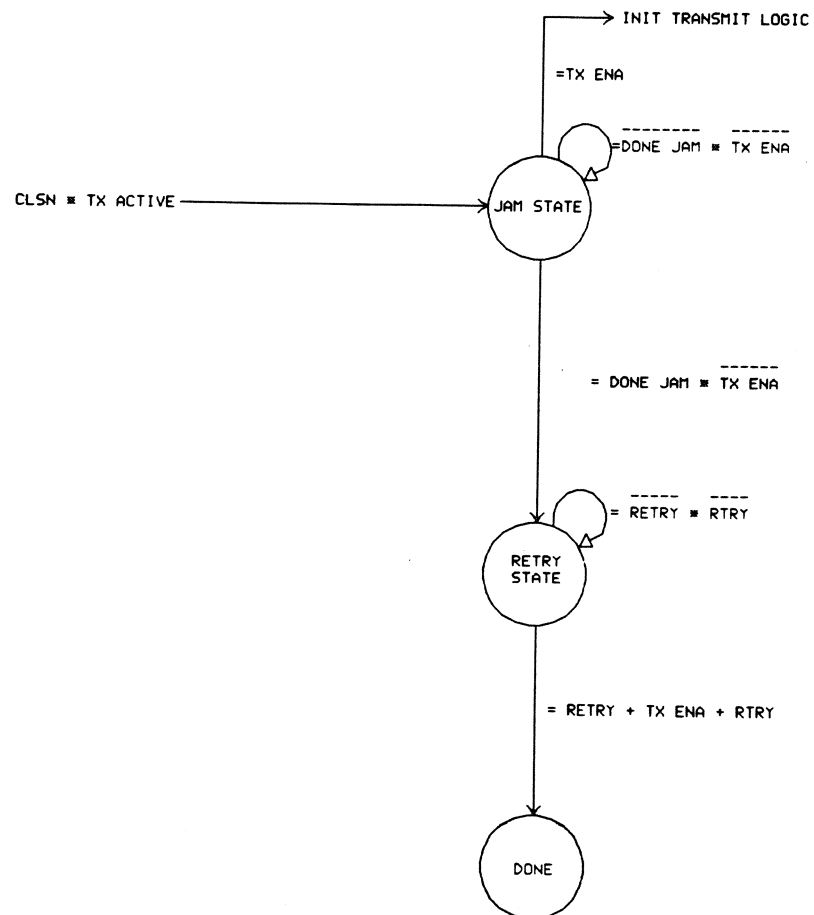
5

4

3

2

1

REV. A
NUMBER M7793-0-SD4
SIZE K CS 3000 3E15

COLLISION BACK OFF STATE INPUTS

PROCESS_STATE

TX ENA
CISN
DONE JAM
RETRY
RTRY

REFERENCE_SIGNAL

LNKL TX ENA STATE H
LNKH SYNC CISN H
LNKK COLLISION JAM H
LNKN RETRY H
LNKK RTRY H

REFERENCE_PIN

E35-6
E81-12
E40-13
E61-15
E21-15

COLLISION BACK OFF STATE OUTPUTS

PROCESS_STATE

RETRY STATE
JAM STATE

REFERENCE_SIGNAL

LNKK RETRY STATE L
LNKK JAM STATE L
LNKK RETRY INIT L

REFERENCE_PIN

E50-18
E50-17
E50-19

DEFINITIONS

RTRY: FAILURE TO TRANSMIT IN 16 ATTEMPTS DUE TO COLLISION

RETRY: PROPER NUMBER OF SLOTTIMES HAS ELAPSED. TIME TO RETRANSMIT

DONE JAM: TELLS JAM STATE 32 BITS HAVE ELAPSED STOP JAMMING

COLLISION BACK OFF STATE-LNKK
STATE DIAGRAM-4

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REVISIONS

CHK CHANGE NO. REV

digital

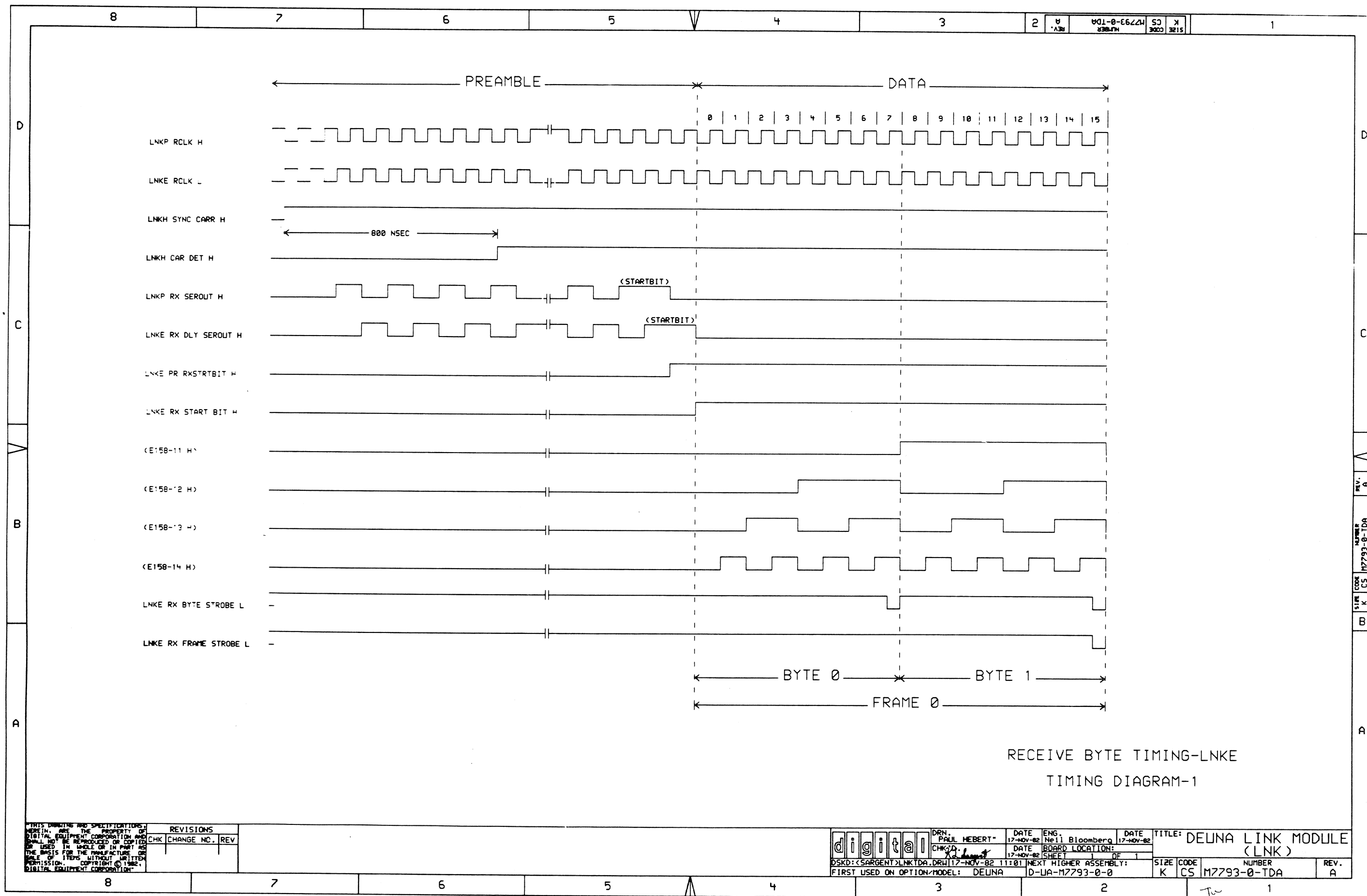
DRN. C. GIROUARD
CHK'D. J. SARGENTDATE 17-NOV-82
DATE 17-NOV-82ENG. Neil Bloomberg
BOARD LOCATION: 1 OF 1DATE 17-NOV-82
SHEET 1 OF 1

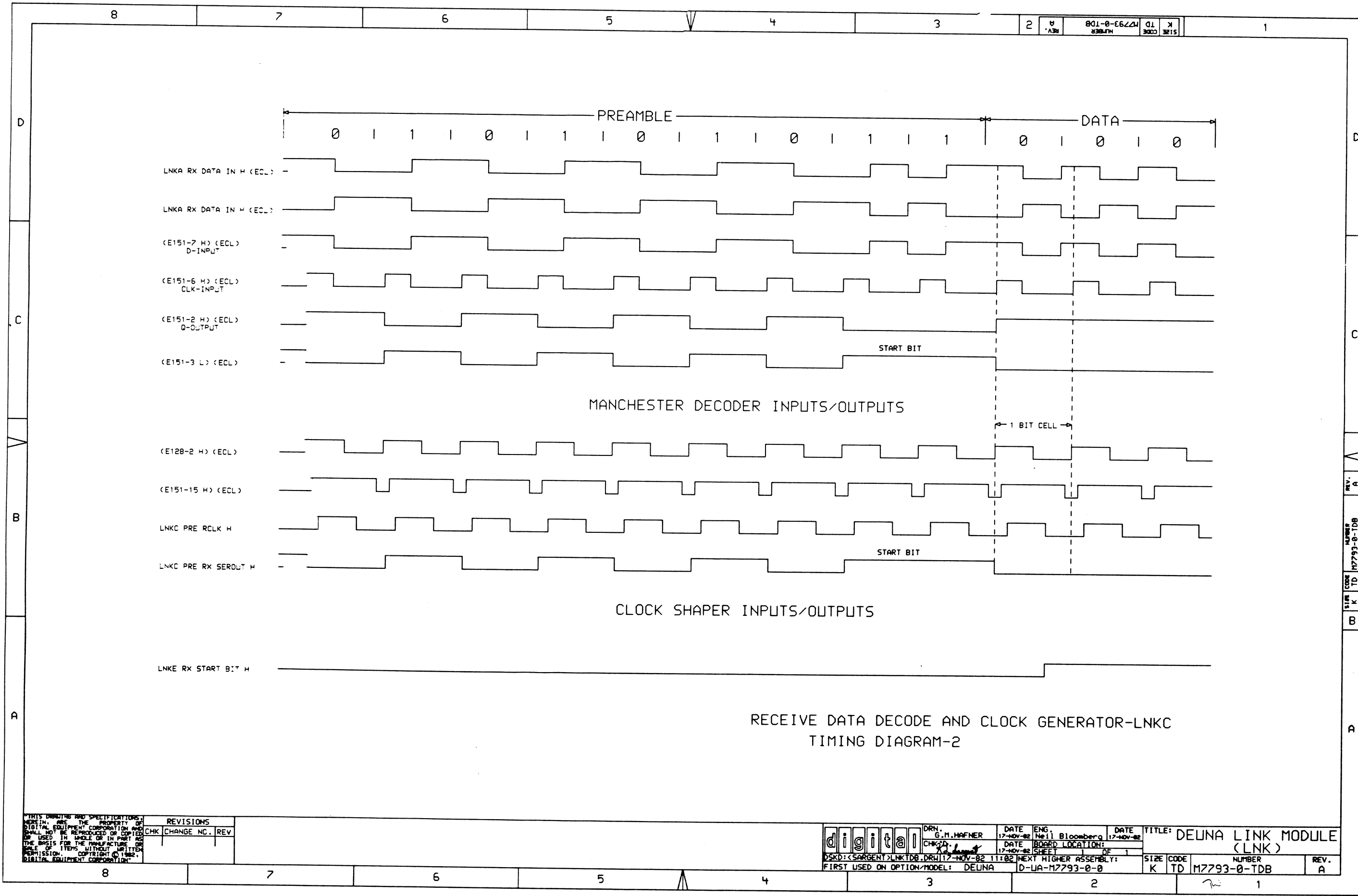
TITLE: DEUNA LINK MODULE (LNK)

DSKD: <SARGENT>LNKSD4.DRW/05-NOV-82 16:08 NEXT HIGHER ASSEMBLY: FIRST USED ON OPTION/MODEL: DEUNA D-UA-M7793-0-0

SIZE CODE K CS M7793-0-SD4

REV. A

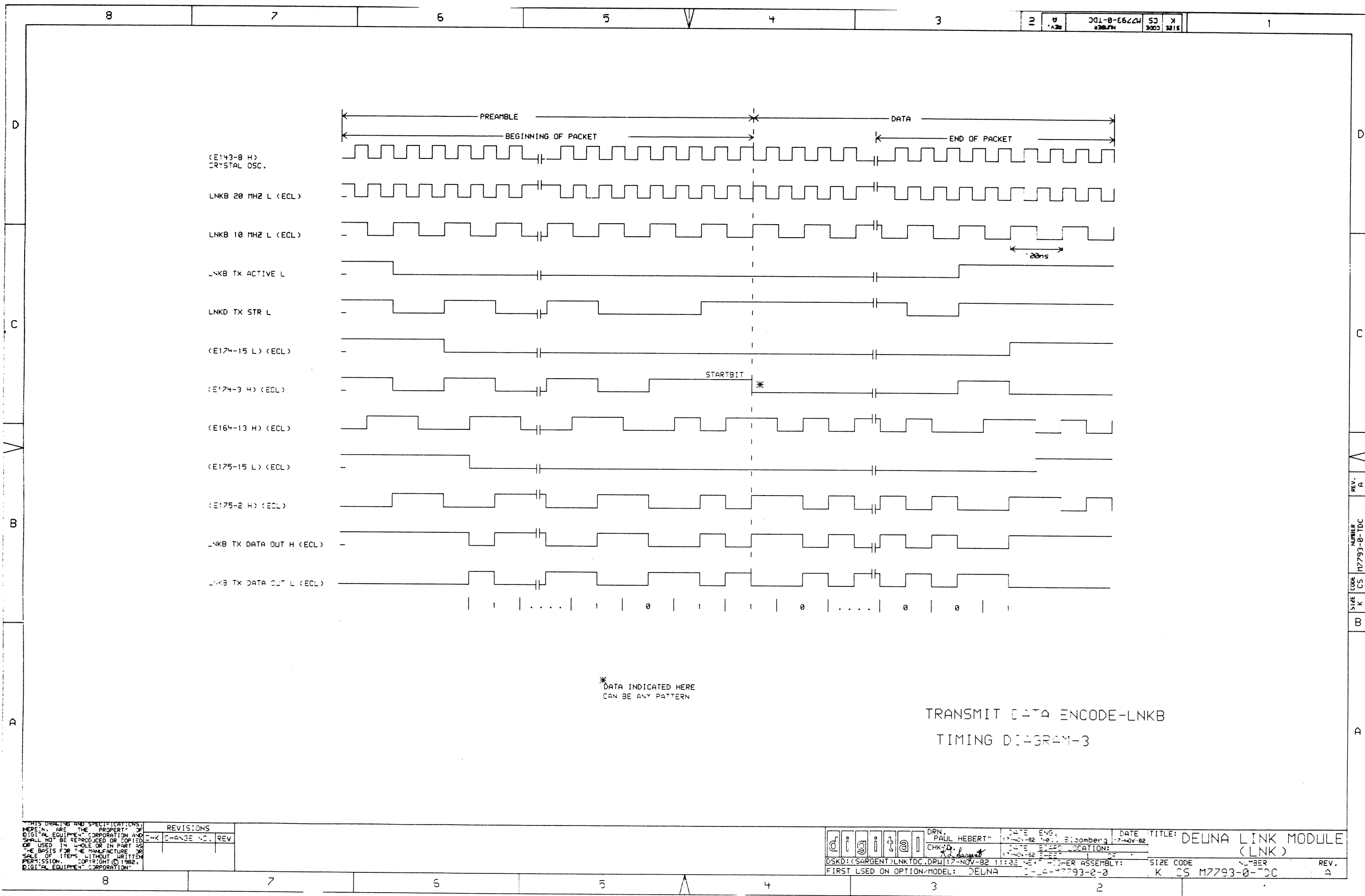




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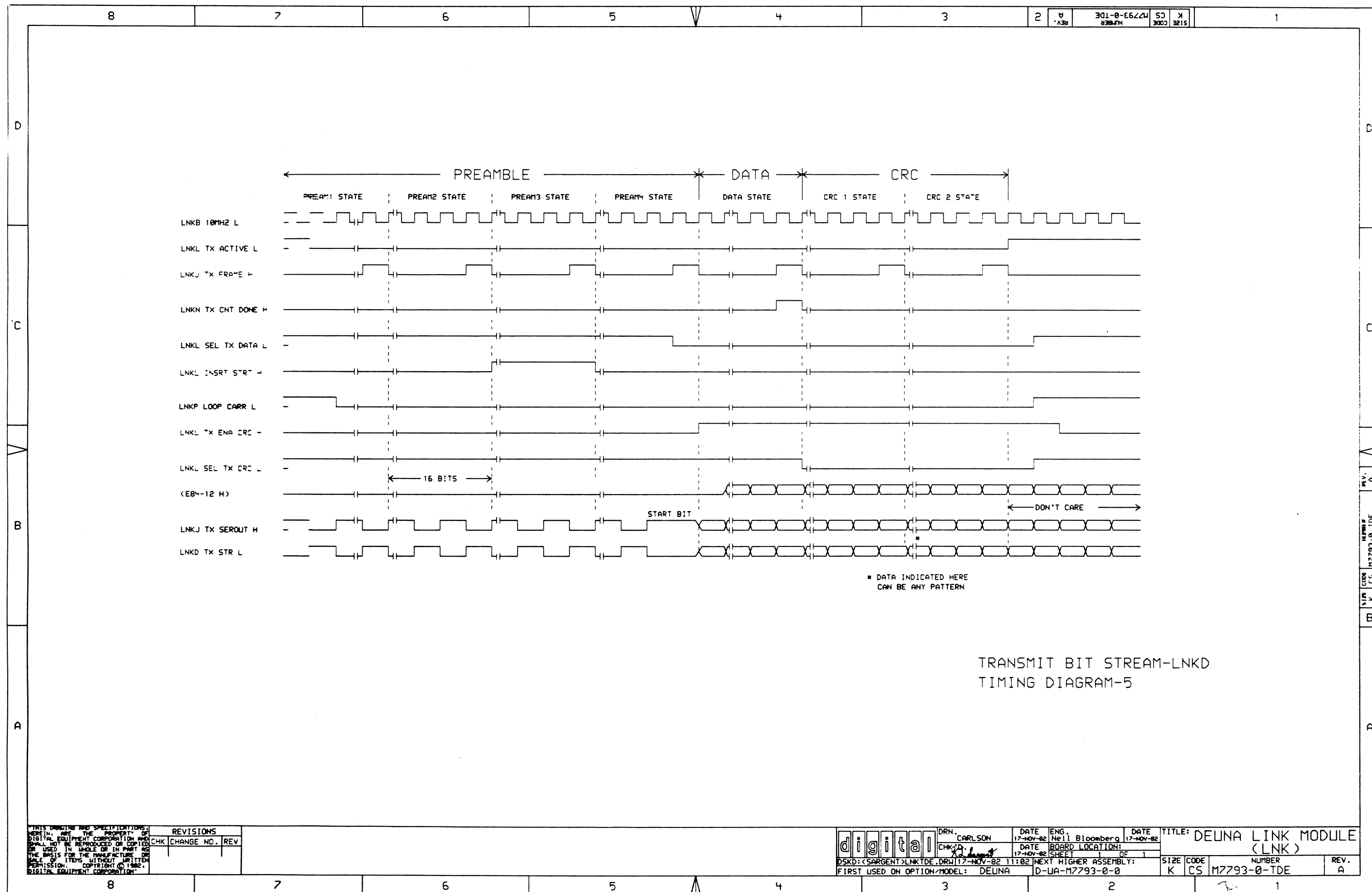
REVISIONS		
CHK	CHANGE NO.	REV

digital	DRN. G.M. HAFNER	DATE 17-NOV-82	ENG. Neil Bloomberg	DATE 17-NOV-82	TITLE: DEUNA LINK MODULE (LNK)
	CHK'D. [Signature]	DATE 17-NOV-82	BOARD LOCATION: 1 OF 1		
DSKD: (SARGENT) LNKTDB.DRW		17-NOV-82 11:02	NEXT HIGHER ASSEMBLY: D-LA-M7793-0-0		
FIRST USED ON OPTION/MODEL: DEUNA		SIZE CODE K TD		NUMBER M7793-0-TDB	REV. A



* DATA INDICATED HERE
CAN BE ANY PATTERN

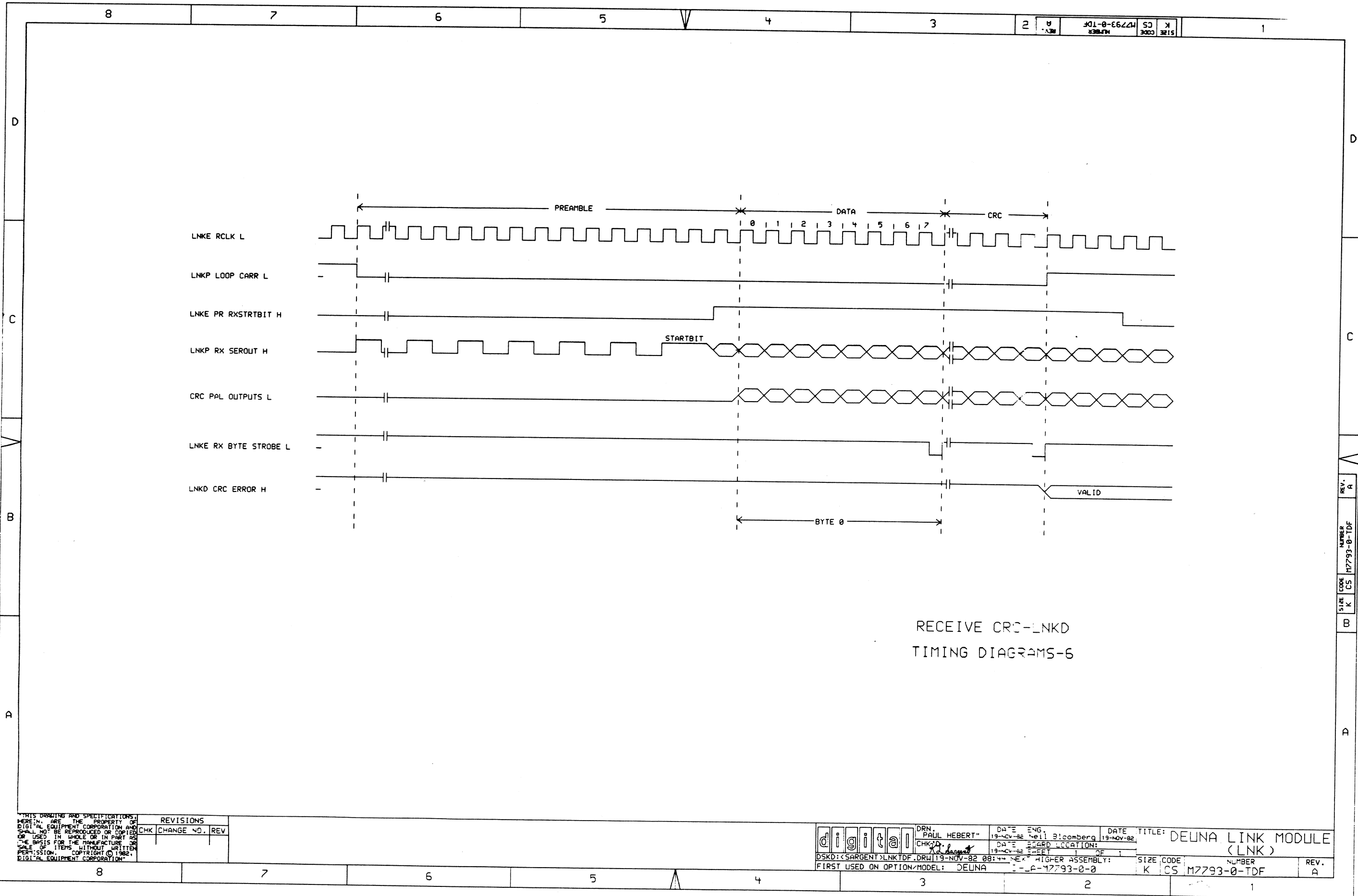
TRANSMIT DATA ENCODE-LNKB
TIMING DIAGRAM-3



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REVISIONS		
CHK	CHANGE NO.	REV

digital	DRN.	DATE	ENG.	DATE	TITLE: DEUNA LINK MODULE (LNK)				
	CARLSON	17-NOV-82	Neil Bloomberg	17-NOV-82					
	CHKD.	DATE	BOARD LOCATION:						
	X-1	17-NOV-82	SHEET 1 OF 1						
OSKD: <SARGENT>LNKTDE.DRW117-NOV-82 11:02 NEXT HIGHER ASSEMBLY:					SIZE	CODE	NUMBER	REV.	
FIRST USED ON OPTION/MODEL: DEUNA					D-UA-M7793-0-0	K	CS	M7793-0-TDE	A

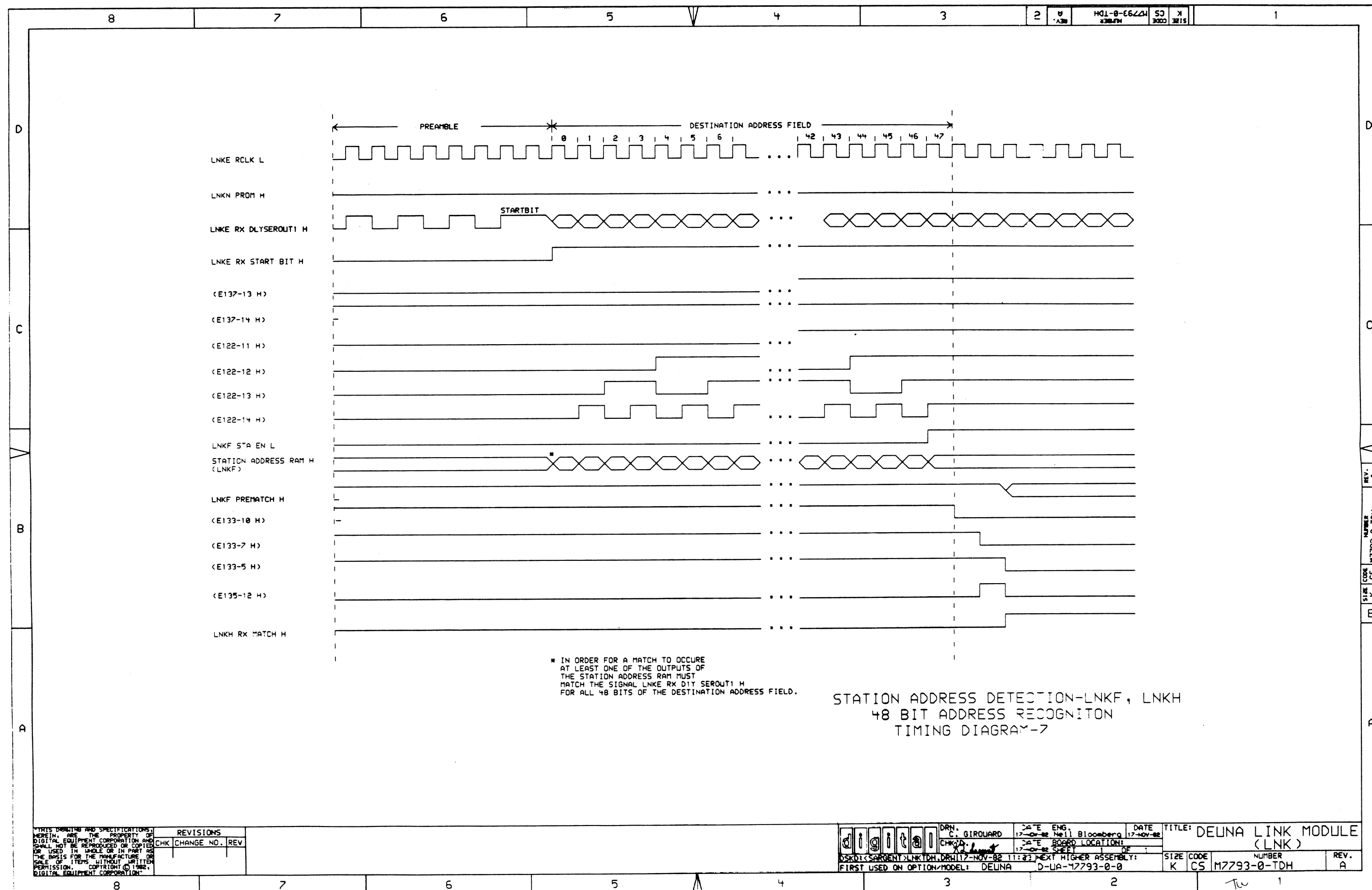


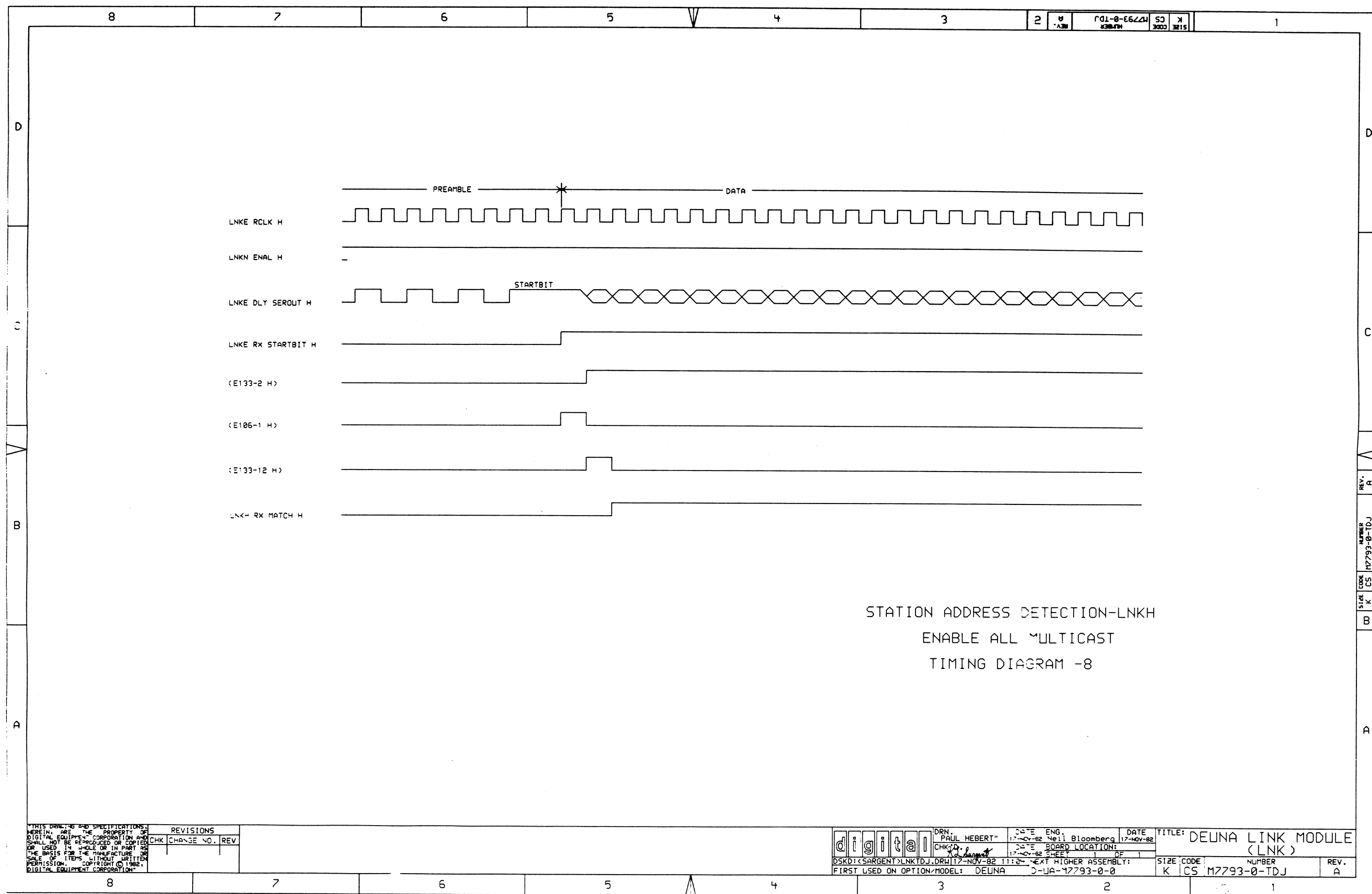
RECEIVE CRC-LNKD
TIMING DIAGRAMS-6

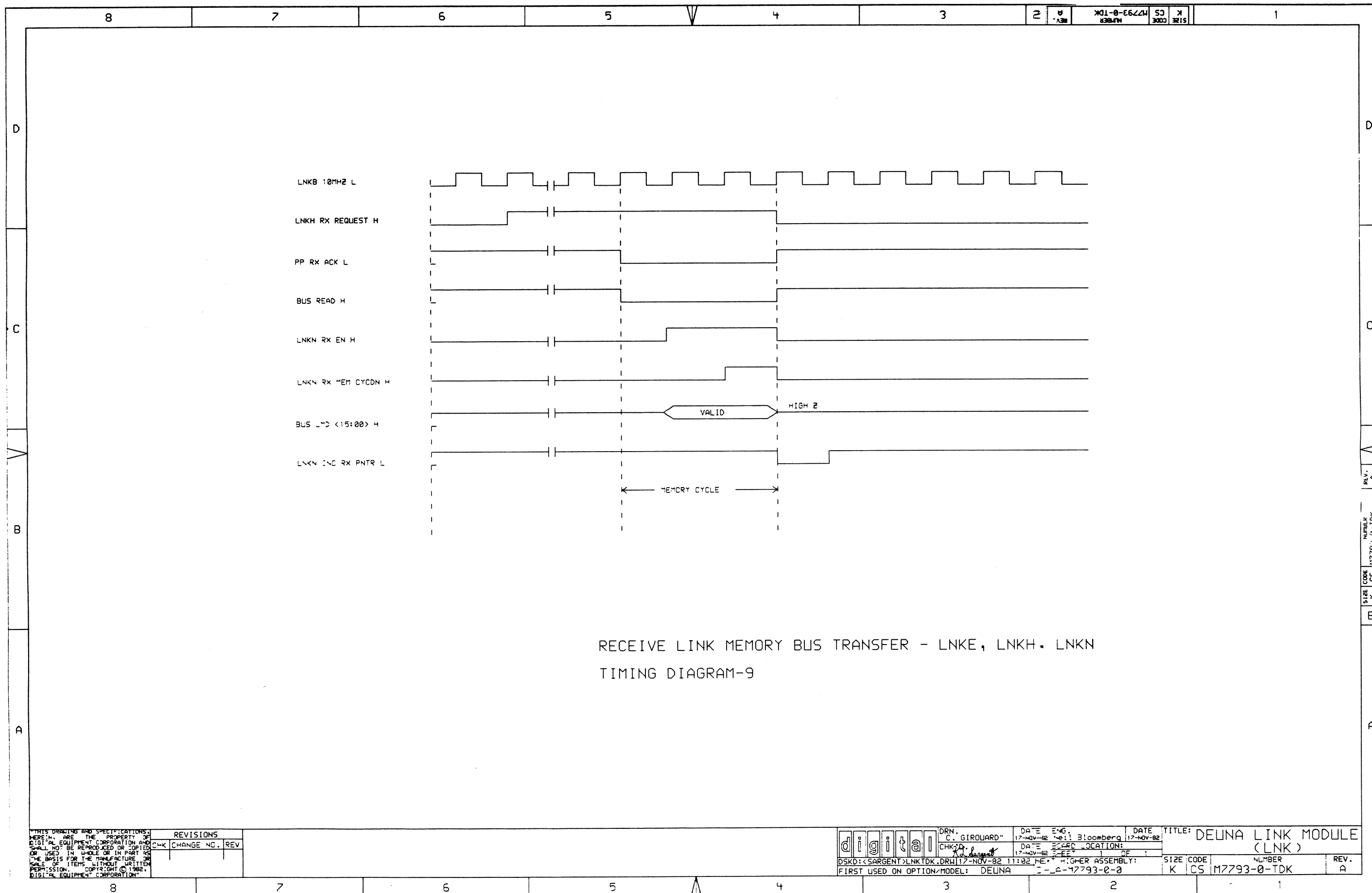
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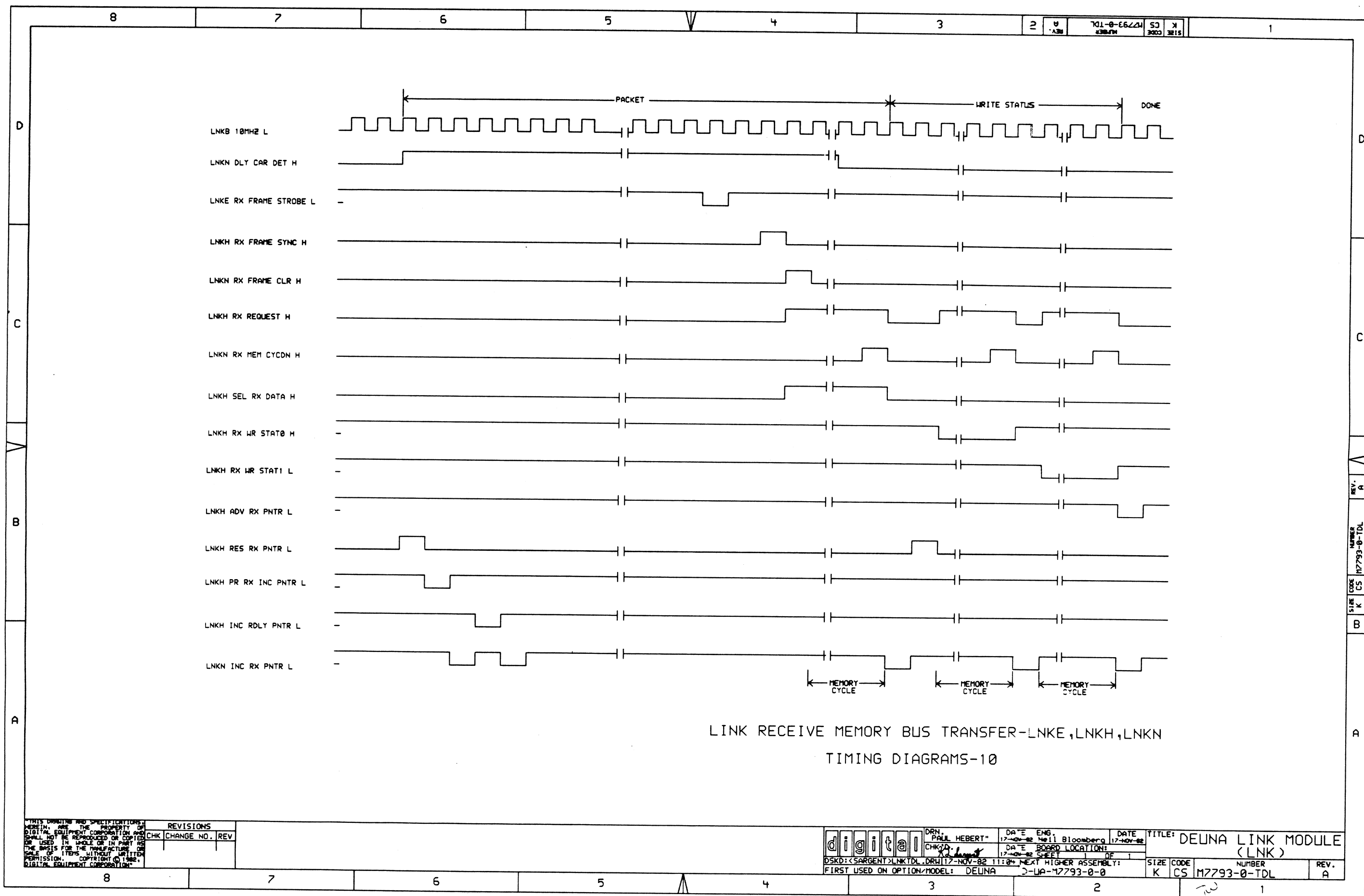
REVISIONS		
CHK	CHANGE NO.	REV

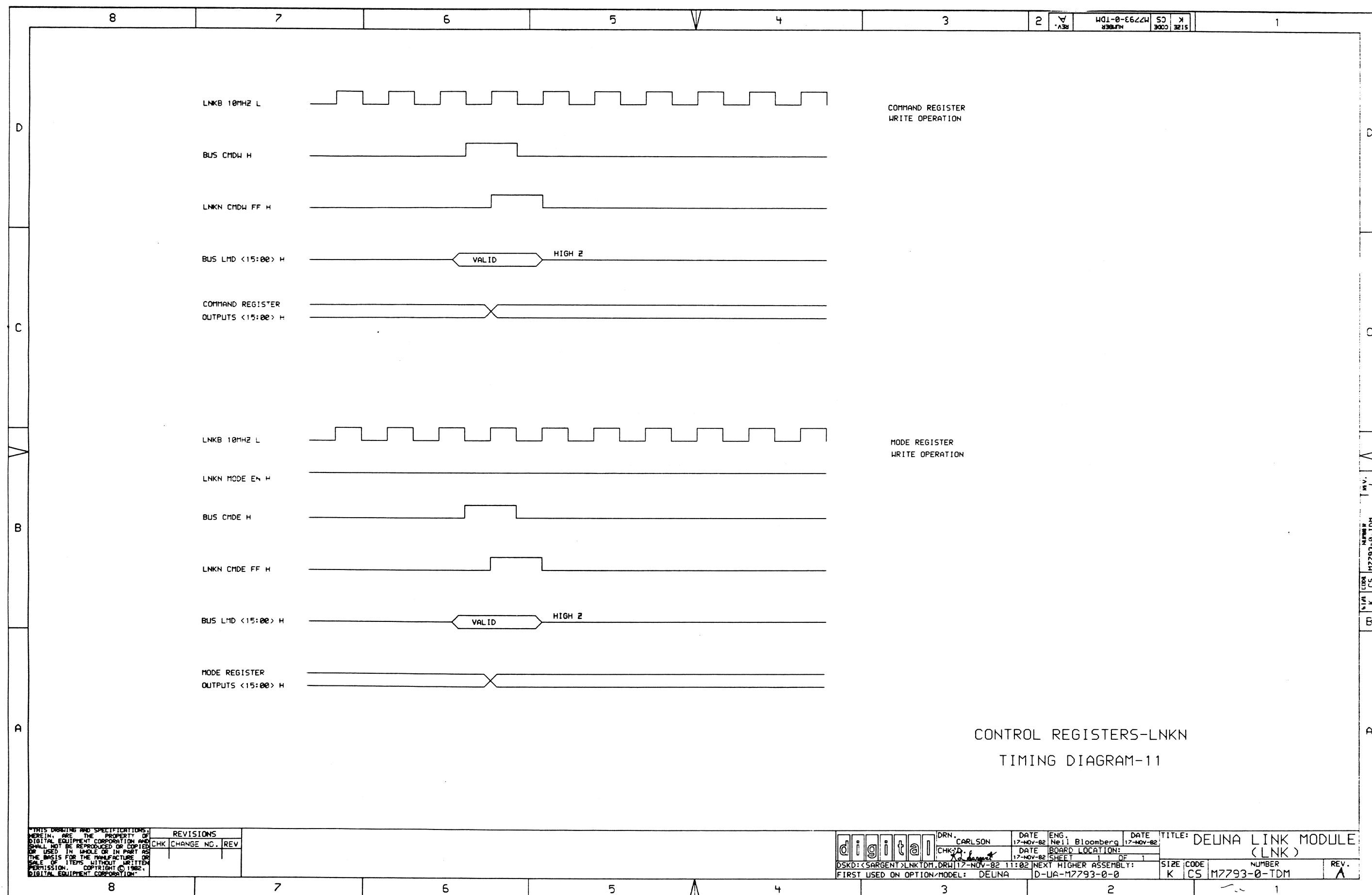
digital	DRN. PAUL HEBERT	DATE ENG. 19-nov-82	DATE 19-nov-82	TITLE: DEUNA LINK MODULE (LNK)		
	CHK'D. <i>X2 Sargent</i>	DATE ECARD LOCATION: 19-nov-82	DATE 19-nov-82			
DSKD: <SARGENT>LNKTD. DRW 19-NOV-82 08:44		NEXT HIGHER ASSEMBLY: DEUNA		SIZE CODE K CS	NUMBER M7793-0-TDF	REV. A
FIRST USED ON OPTION/MODEL: DEUNA		-A-17793-0-0				







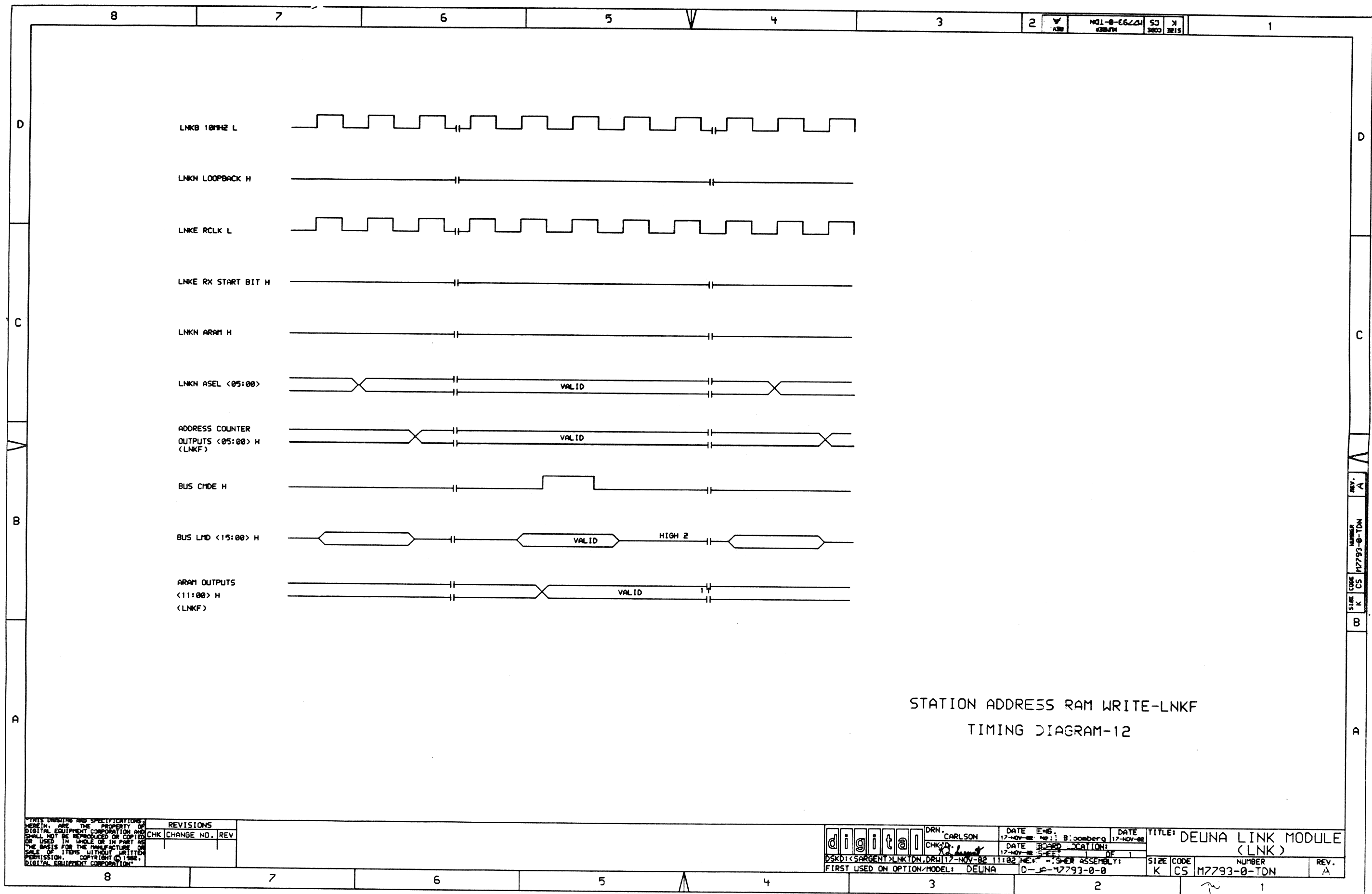


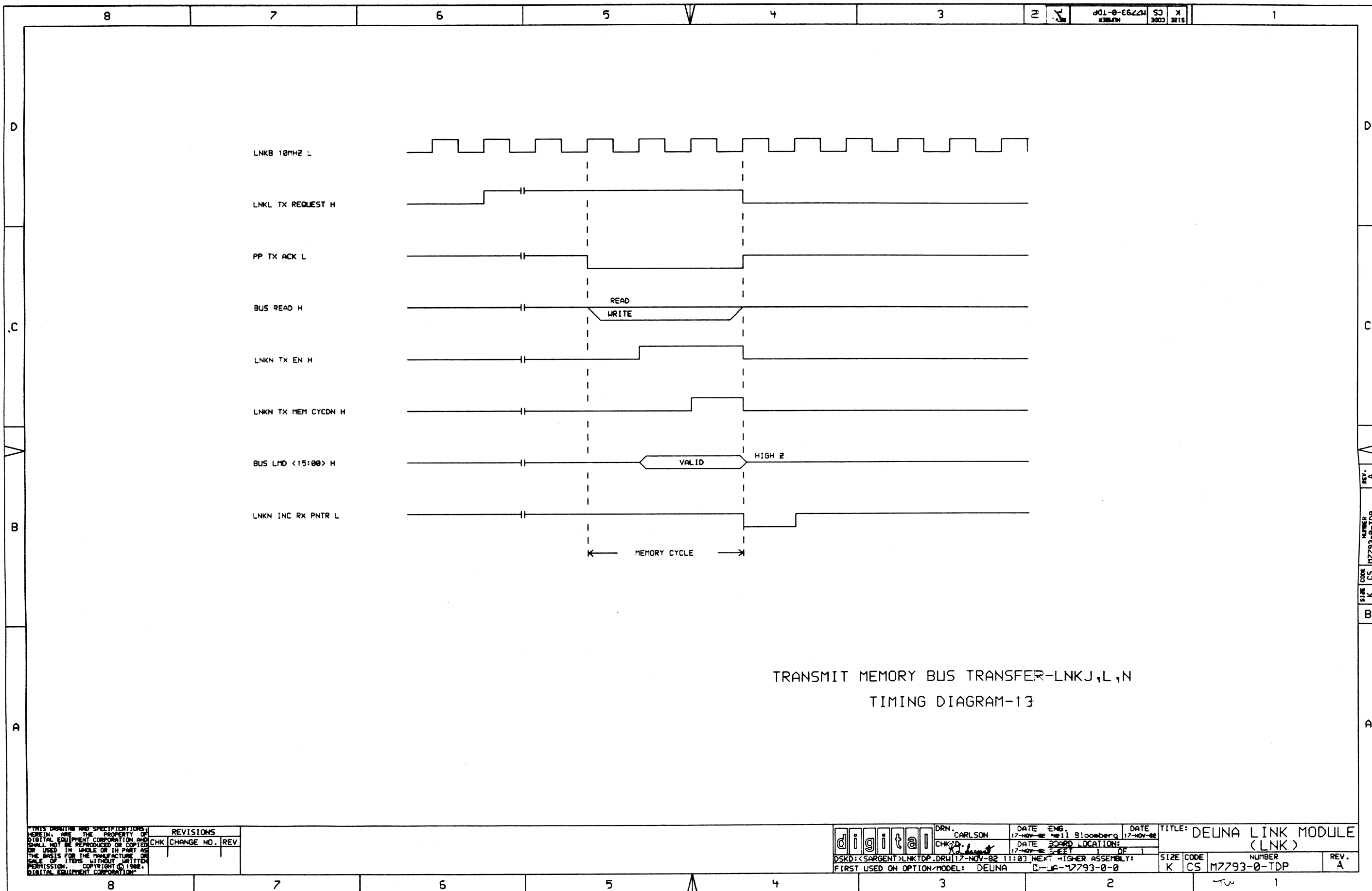


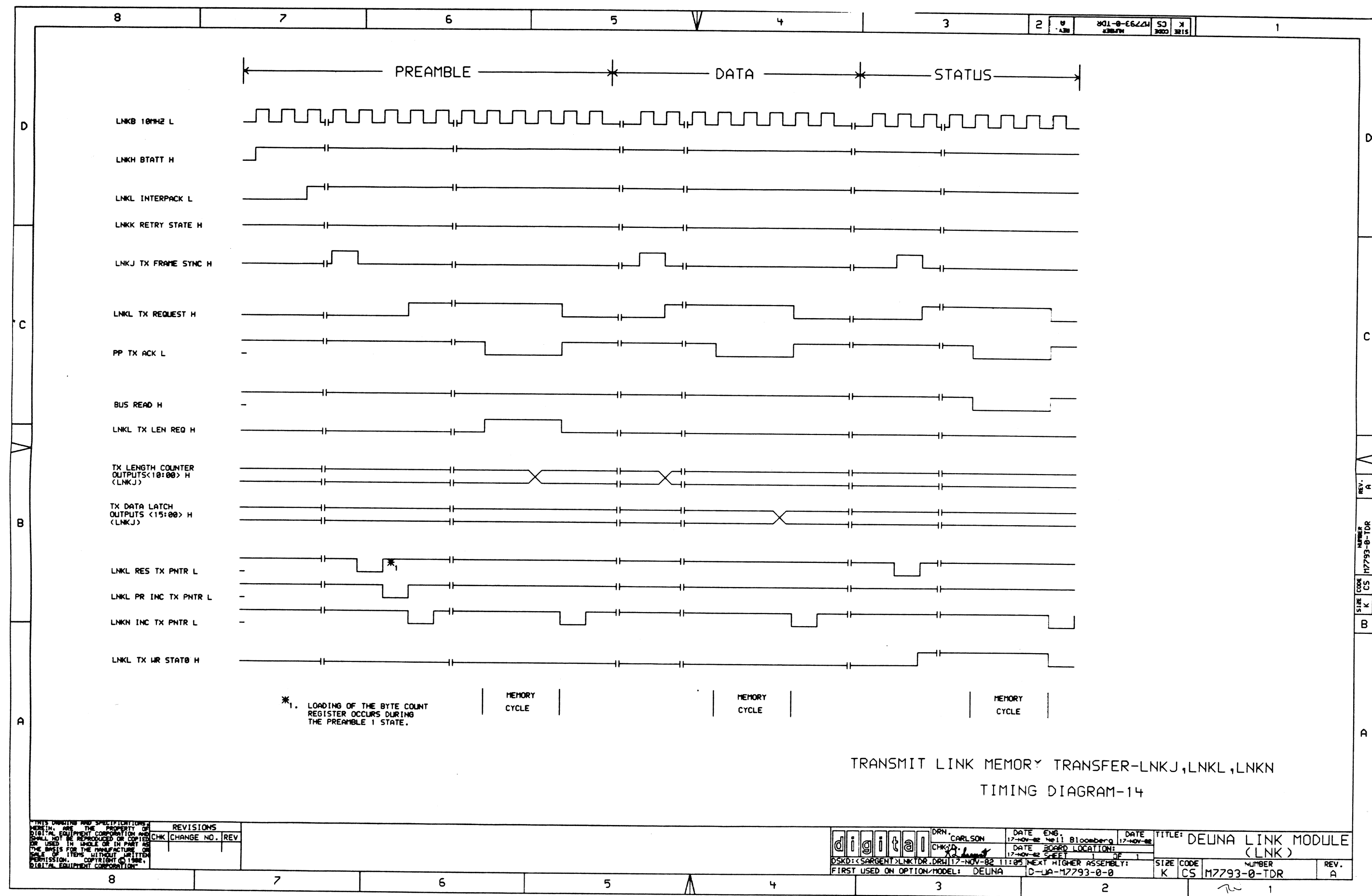
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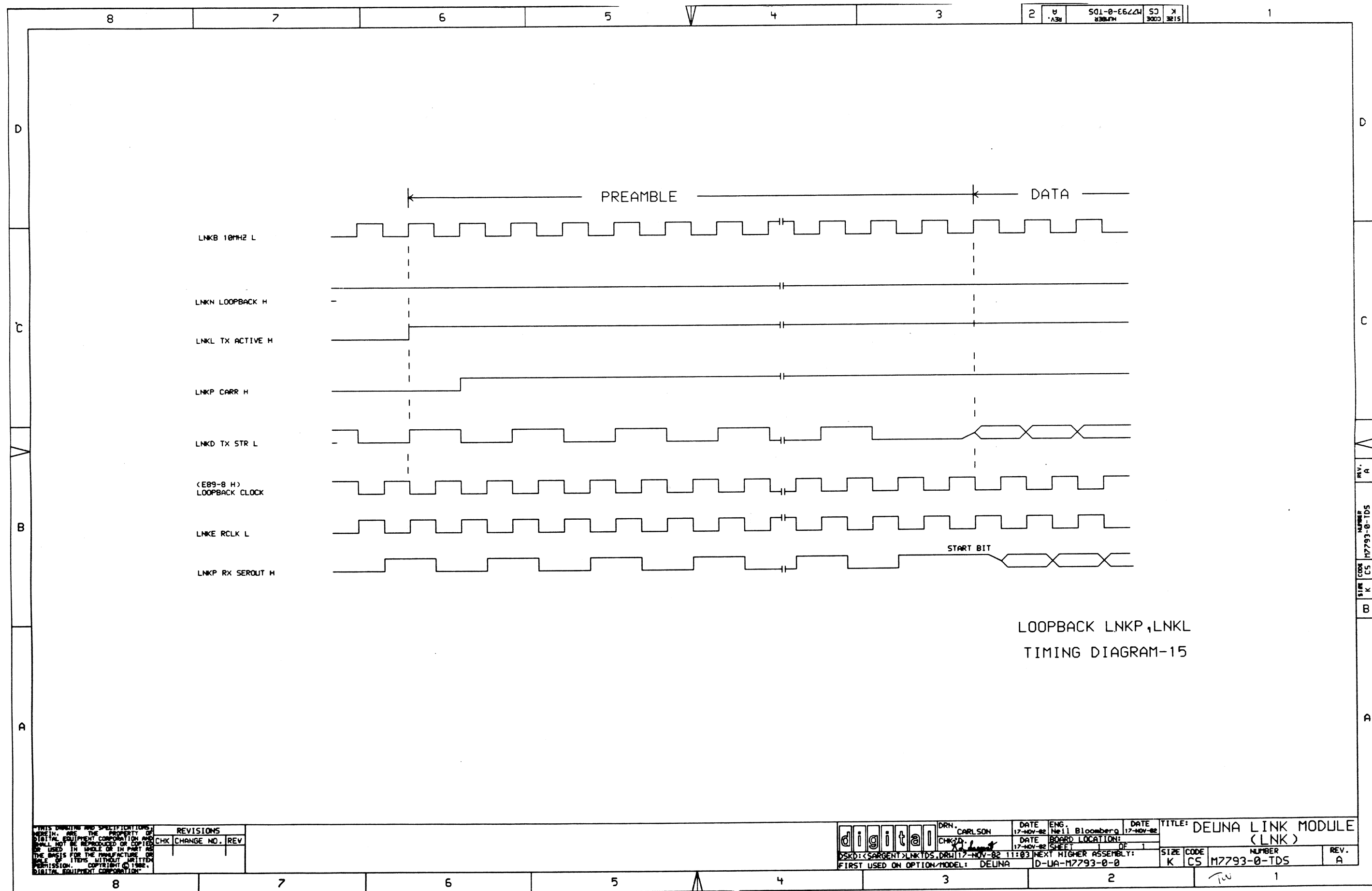
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CHK CHANGE NO. REV

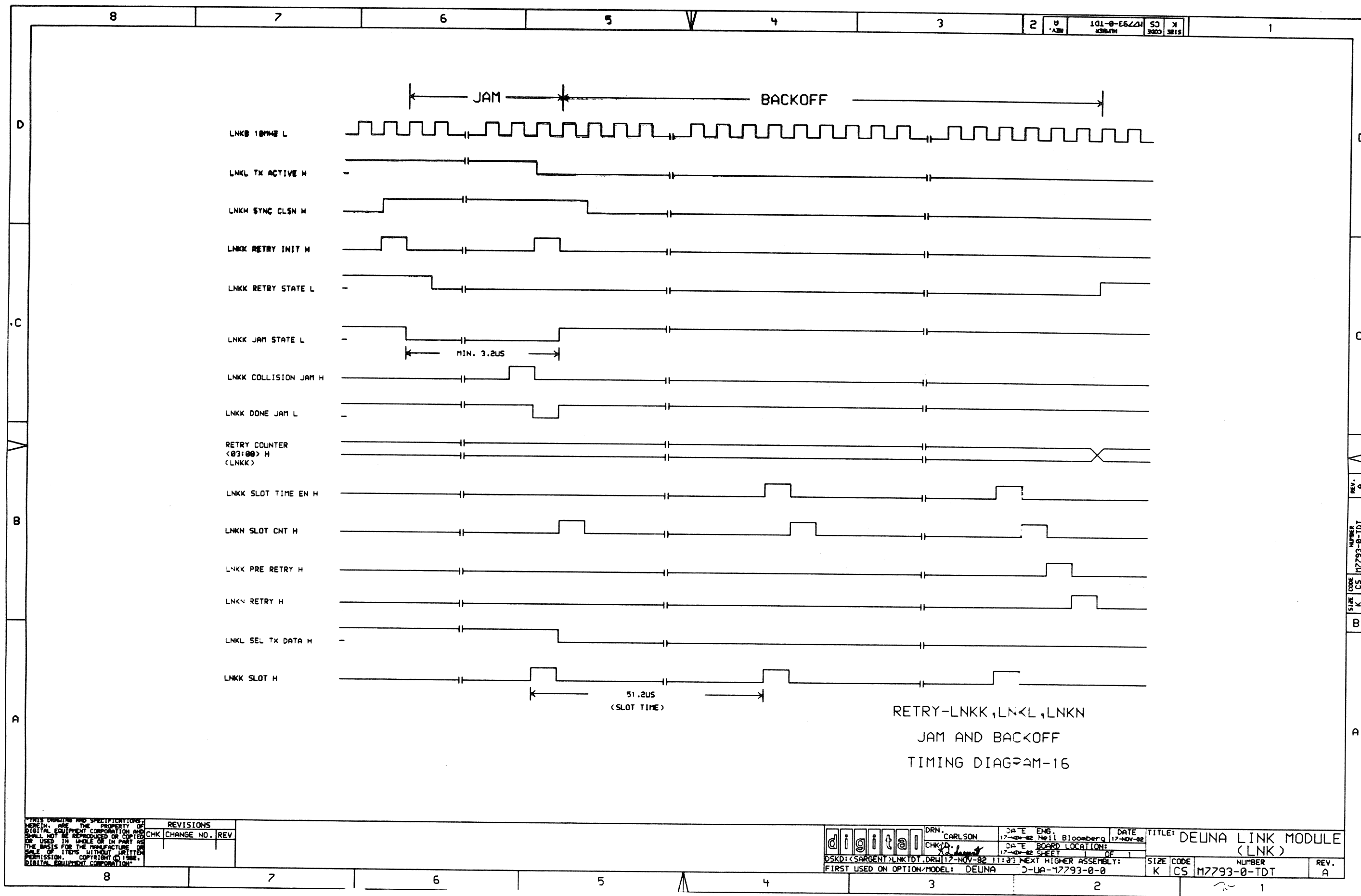
digital DRN. CARLSON DATE 17-NOV-82 ENG. Neil Bloomberg DATE 17-NOV-82
CHK'D. 17-NOV-82 SHEET 1 OF 1
DSKD: <SARGENT>LNK TDM.DRW17-NOV-82 11:02 NEXT HIGHER ASSEMBLY:
FIRST USED ON OPTION/MODEL: DELUNA D-UA-M7793-0-0
TITLE: DELUNA LINK MODULE (LNK)
SIZE CODE NUMBER REV.
K CS M7793-0-TDM A

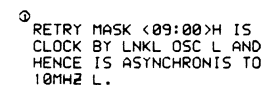












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digit

DRN.
PAUL HEBERT
CHK: *R. J. Lamm*

DATE	17-NOV-42	TIME	11:40
LOCATION	17-NOV-42	TIME	11:40

DATE	17-NOV-82
------	-----------

TITLE: DEUNA LINK MODULE
(LNK)

DSKD: <SARGENT>LNKTDU.DRW17-NOV-82 11:05	FILE NAME: ASSEMBLY:	SIZE CODE	NUMBER	REV.
FIRST USED ON OPTION MODEL: DELNA	17-NOV-82 11:05	K	05 M7793-0-TDU	A

