D O R A D O S C H E M A T I C S

C o n t r o l B

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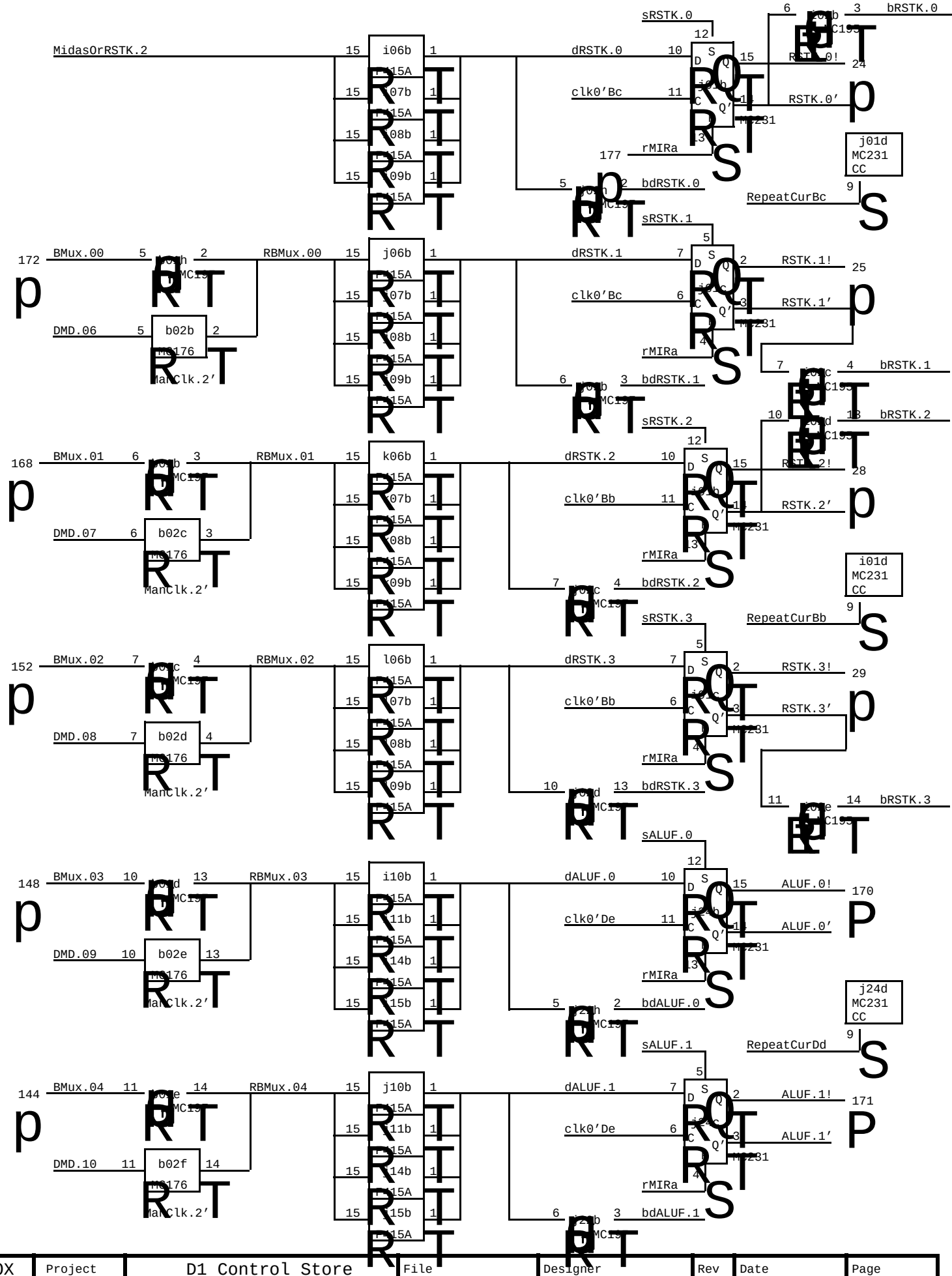
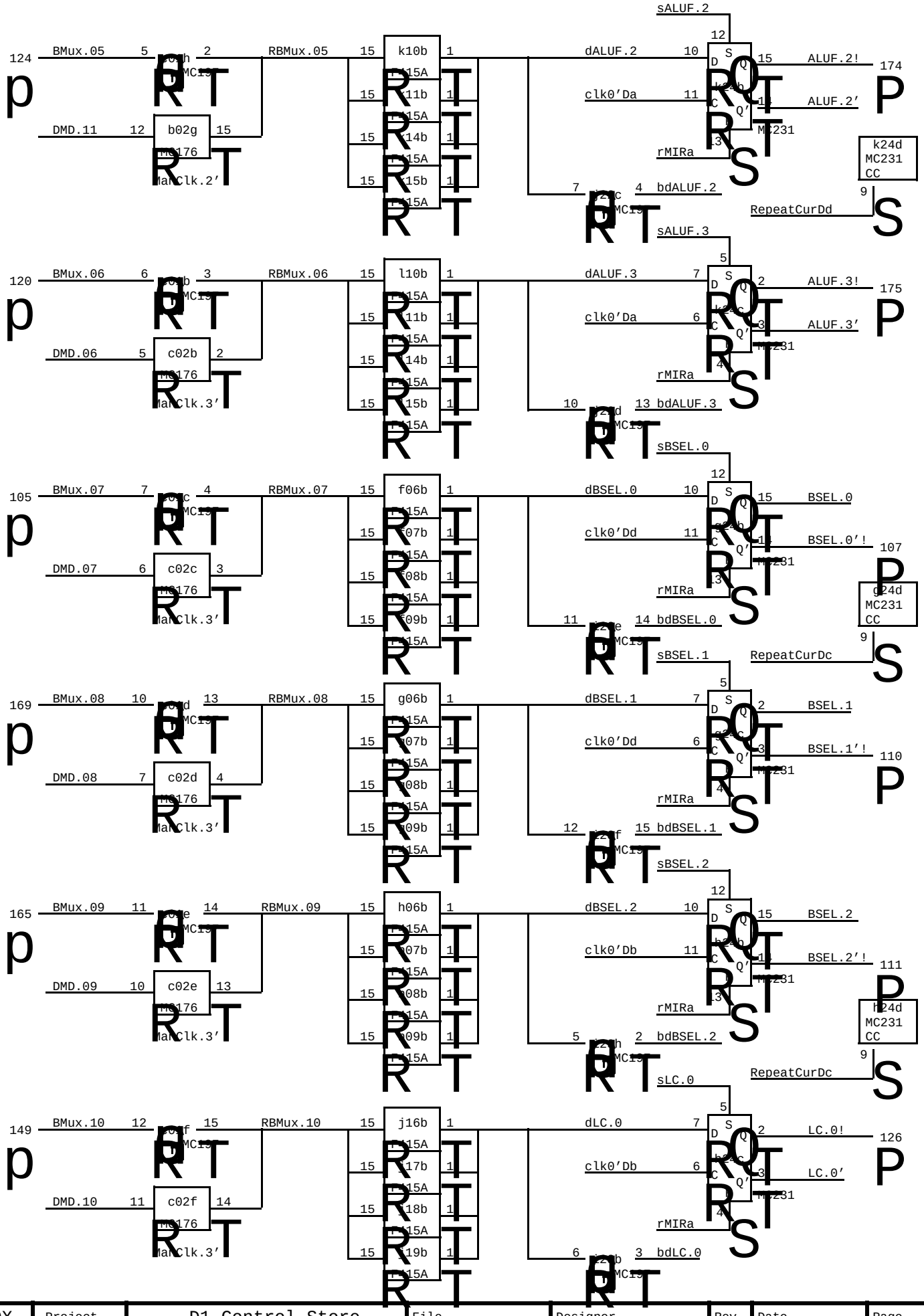
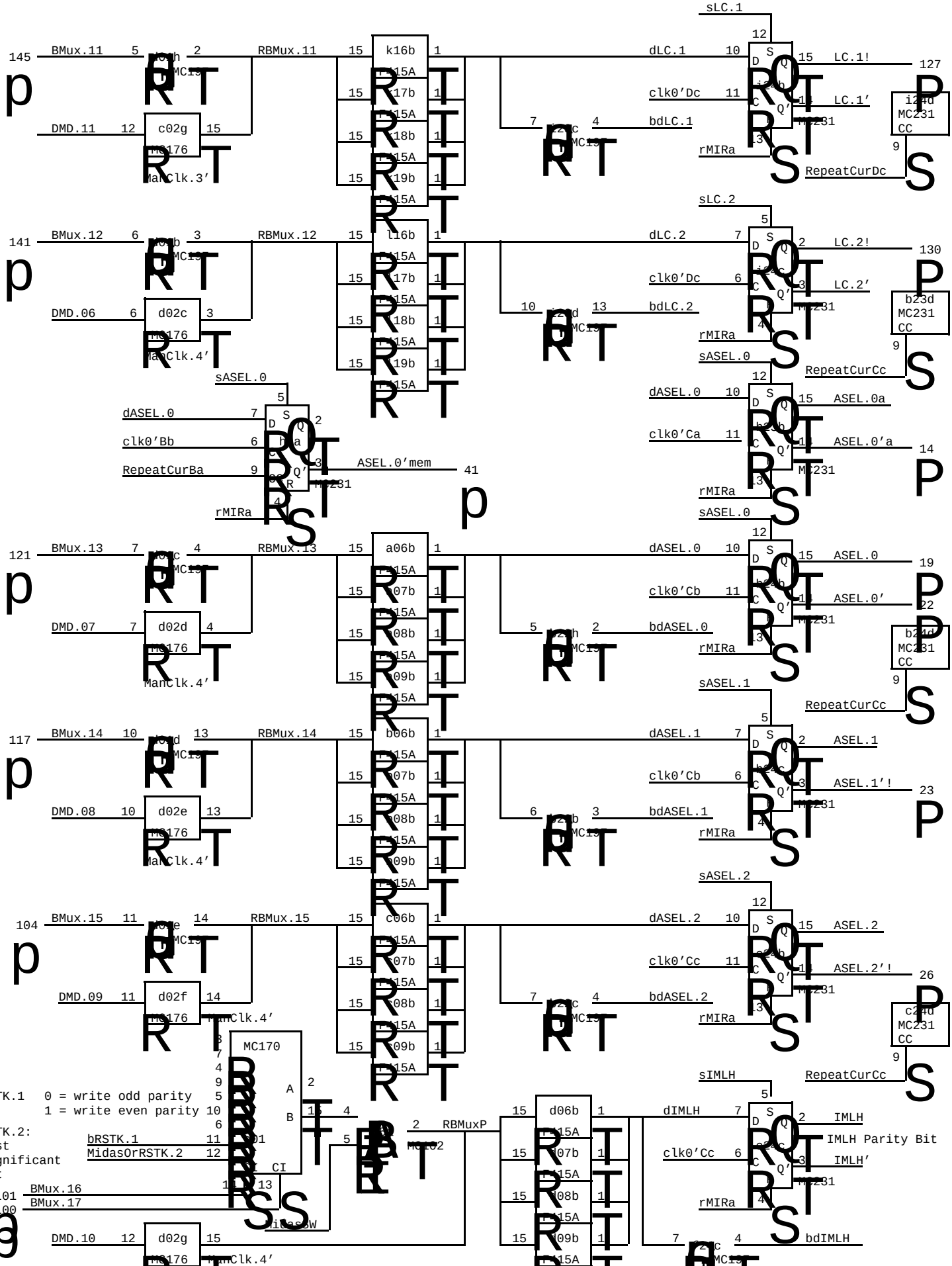
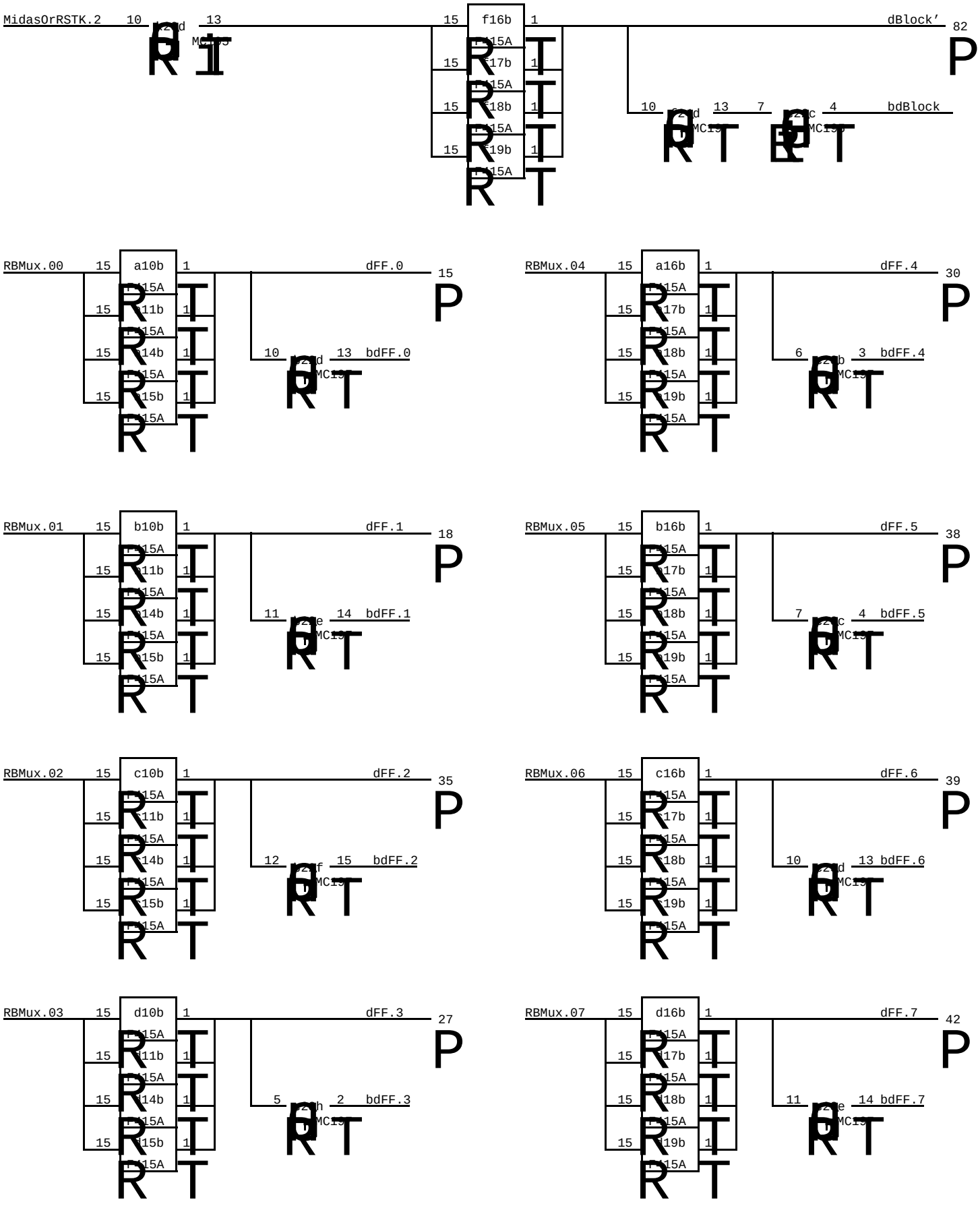

MidasOrRSTK.2
BMux.00
DMD.06
b02b
ManClk.2'
RBMux.00
i06b
i07b
i08b
i09b
dRSTK.0
clk0'Bc
rMIRa
sRSTK.0
RSTK.0!
RSTK.0'
bRSTK.0
j01d
MC231
CC
RepeatCurBc
bdRSTK.0
BMux.01
DMD.07
b02c
RBMux.01
k06b
k07b
k08b
k09b
dRSTK.1
clk0'Bc
rMIRa
sRSTK.1
RSTK.1!
RSTK.1'
bRSTK.1
bdRSTK.1
BMux.02
DMD.08
b02d
RBMux.02
l06b
l07b
l08b
l09b
dRSTK.2
clk0'Bb
rMIRa
sRSTK.2
RSTK.2!
RSTK.2'
bRSTK.2
bdRSTK.2
i01d
MC231
CC
RepeatCurBb
BMux.03
DMD.09
b02e
RBMux.03
i10b
i11b
i14b
i15b
dALUF.0
clk0'De
rMIRa
sALUF.0
ALUF.0!
ALUF.0'
bdALUF.0
j24d
MC231
CC
RepeatCurDd
BMux.04
DMD.10
b02f
RBMux.04
j10b
j11b
j14b
j15b
dALUF.1
clk0'De
rMIRa
sALUF.1
ALUF.1!
ALUF.1'
bdALUF.1
MC231
XEROX
PARC/CSL
Project
Dorado
D1 Control Store
Bit Slice 00-05
File
ContB01.sil
Designer
Pier
Rev
Cd
Date
7/12/79
Page
01



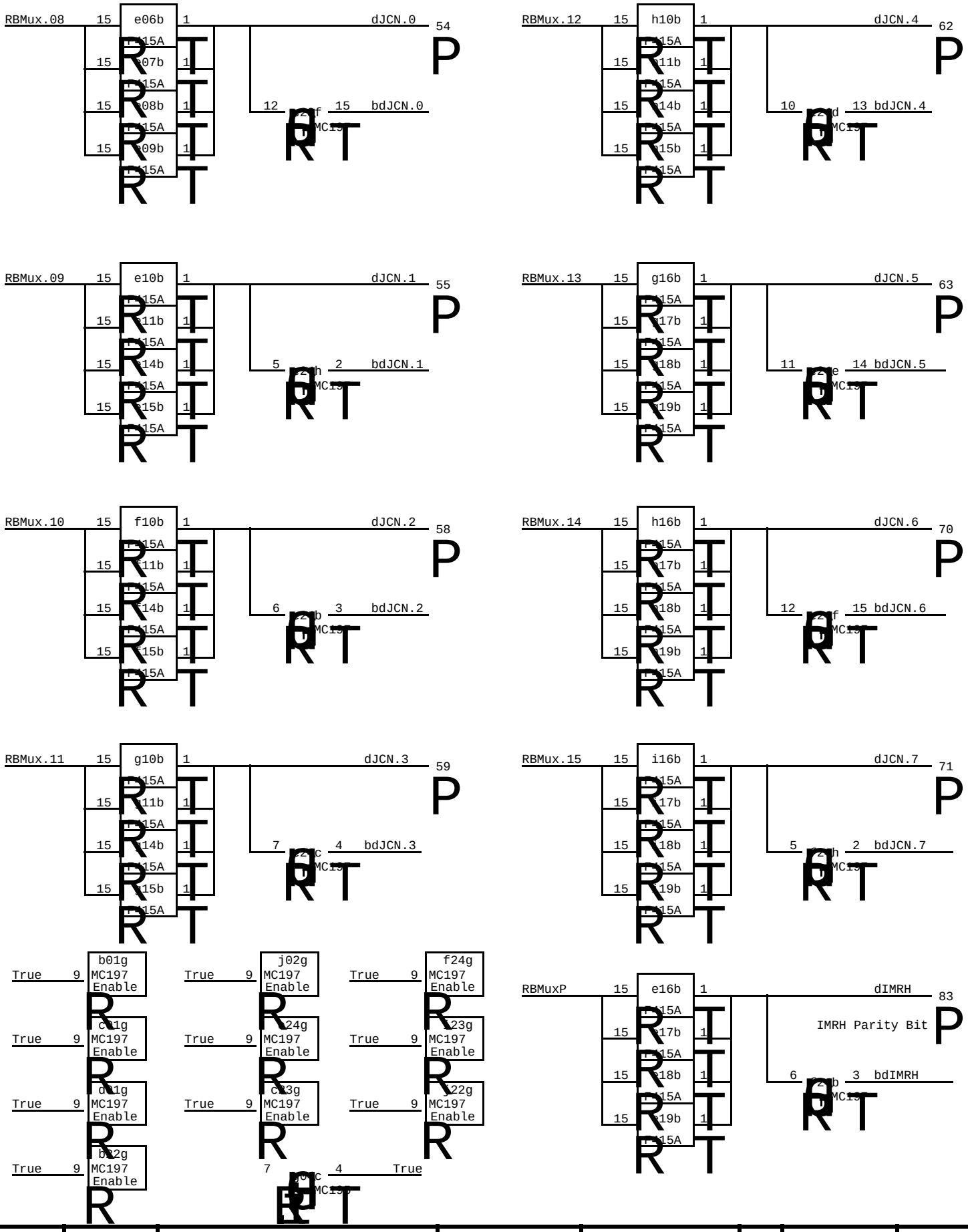
XEROX PARC/CSL	Project Dorado	D1 Control Store Bit Slice 06-11	File ContB02.sil	Designer Pier	Rev Cd	Date 7/12/79	Page 02



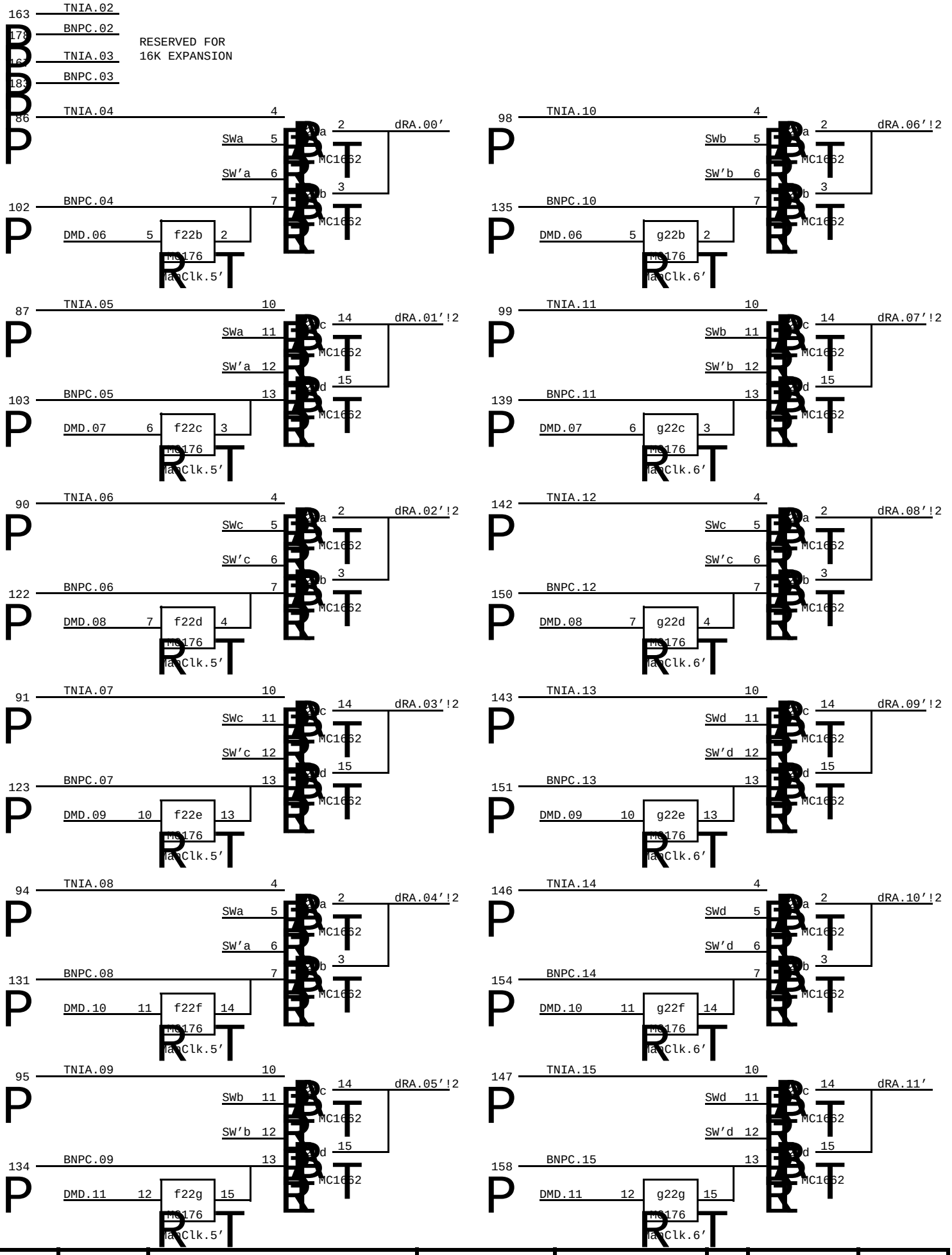
XEROX PARC/CSL	Project Dorado	D1 Control Store Bit Slice 12-17	File ContB03.sil	Designer Pier	Rev Cd	Date 7/12/79	Page 03



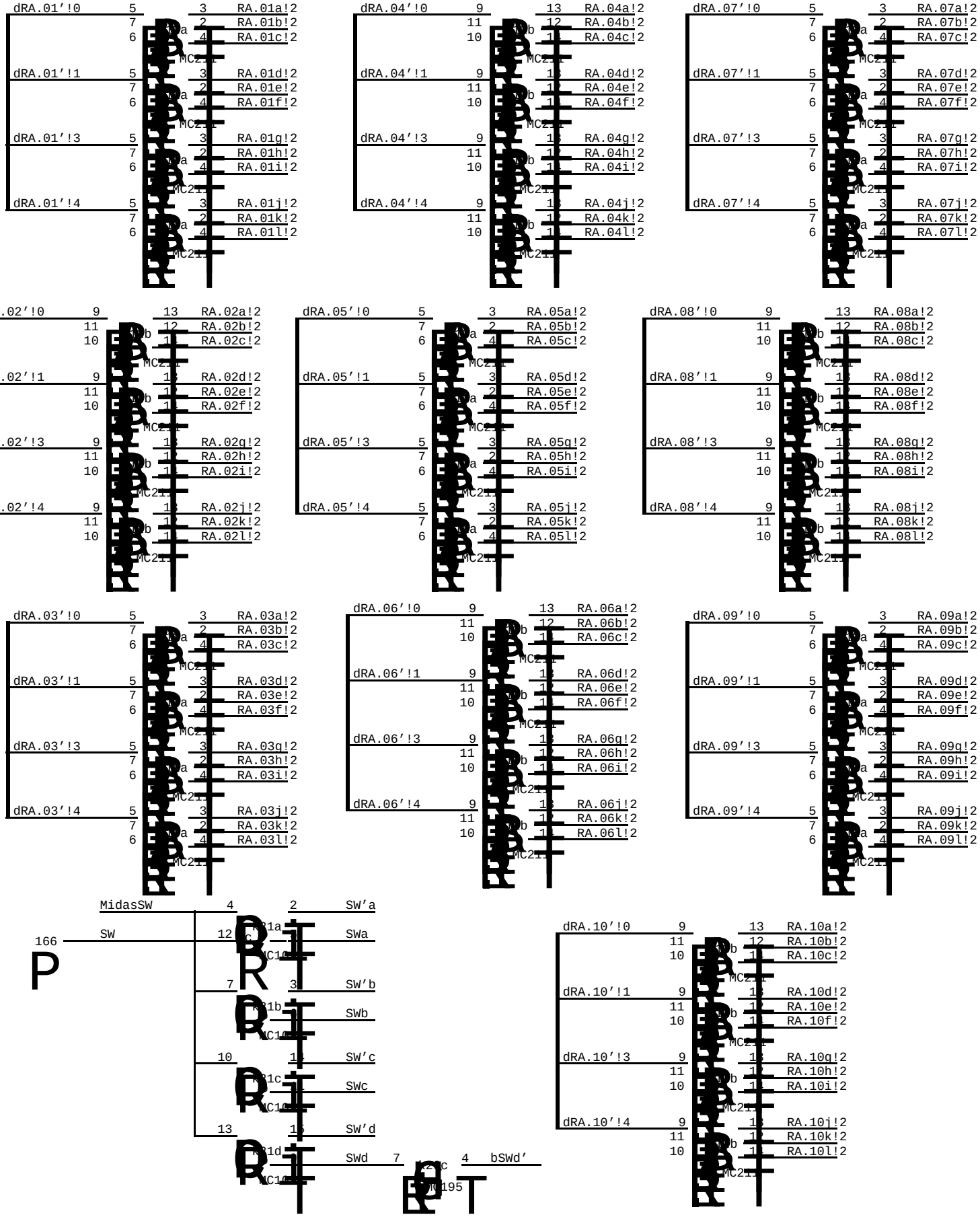
XEROX PARC/CSL	Project Dorado	D1 Control Store Bit Slice 18 to 26	File ContB04.sil	Designer K. Pier	Rev Cd	Date 7/27/79	Page 04



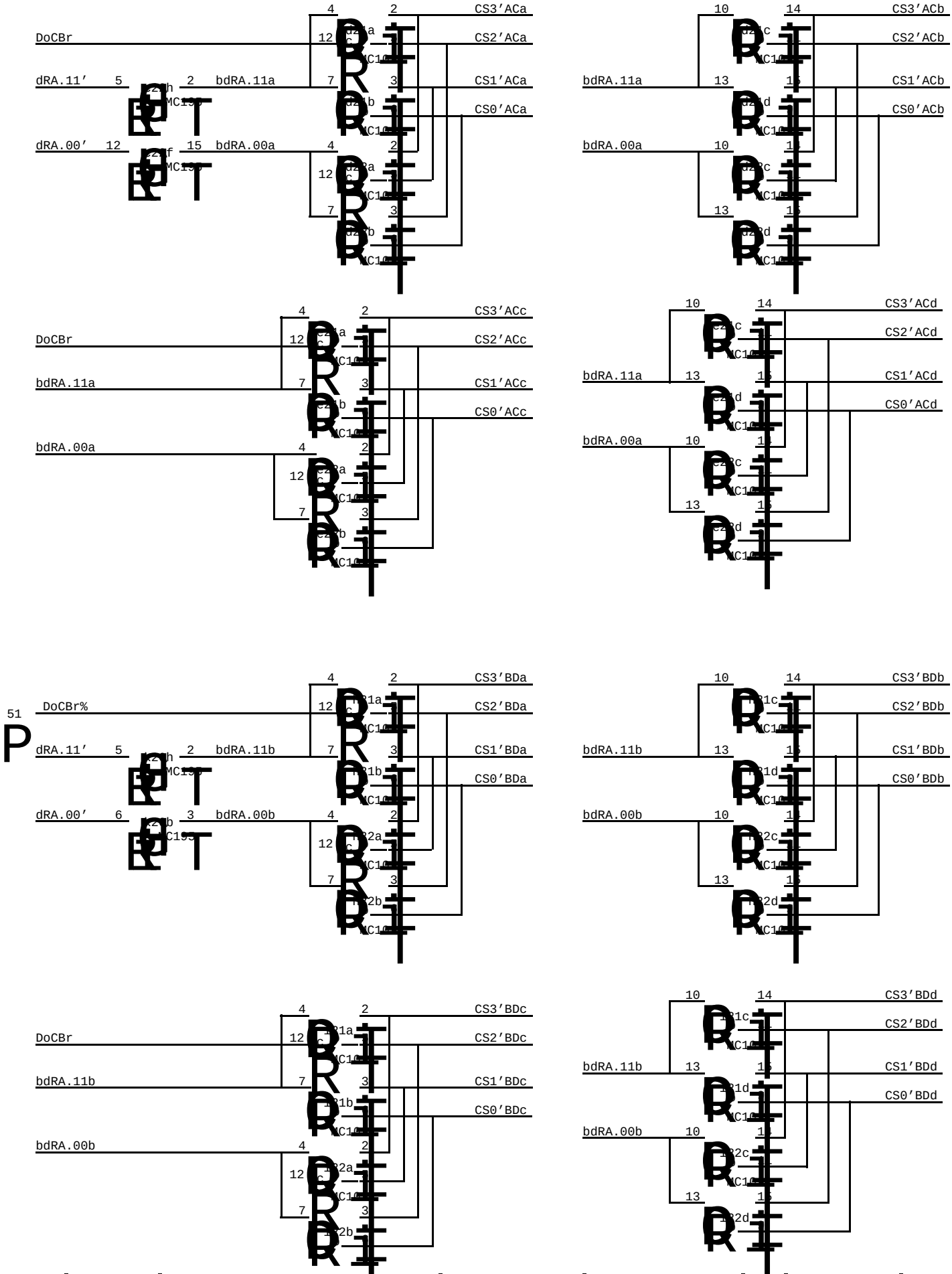
XEROX PARC/CSL	Project: Dorado	D1 Control Store Bit Slice 27-35	File: ContB05.sil	Designer: Pier	Rev: Cd	Date: 7/12/79	Page: 05



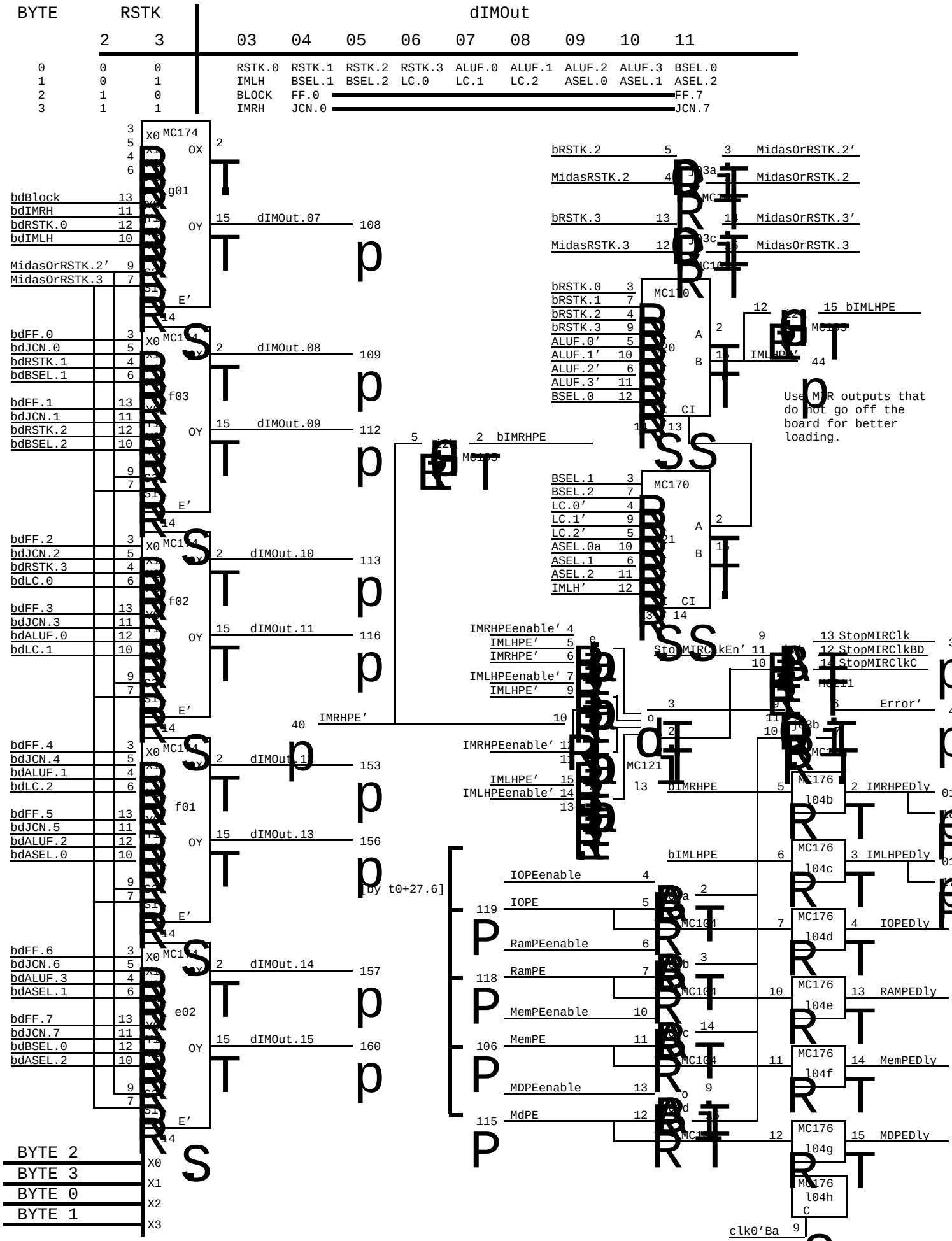
XEROX PARC/CSL	Project Dorado	D1 Control Store Ram Addressing	File ContB06.sil	Designer Pier	Rev Cd	Date 7/12/79	Page 06

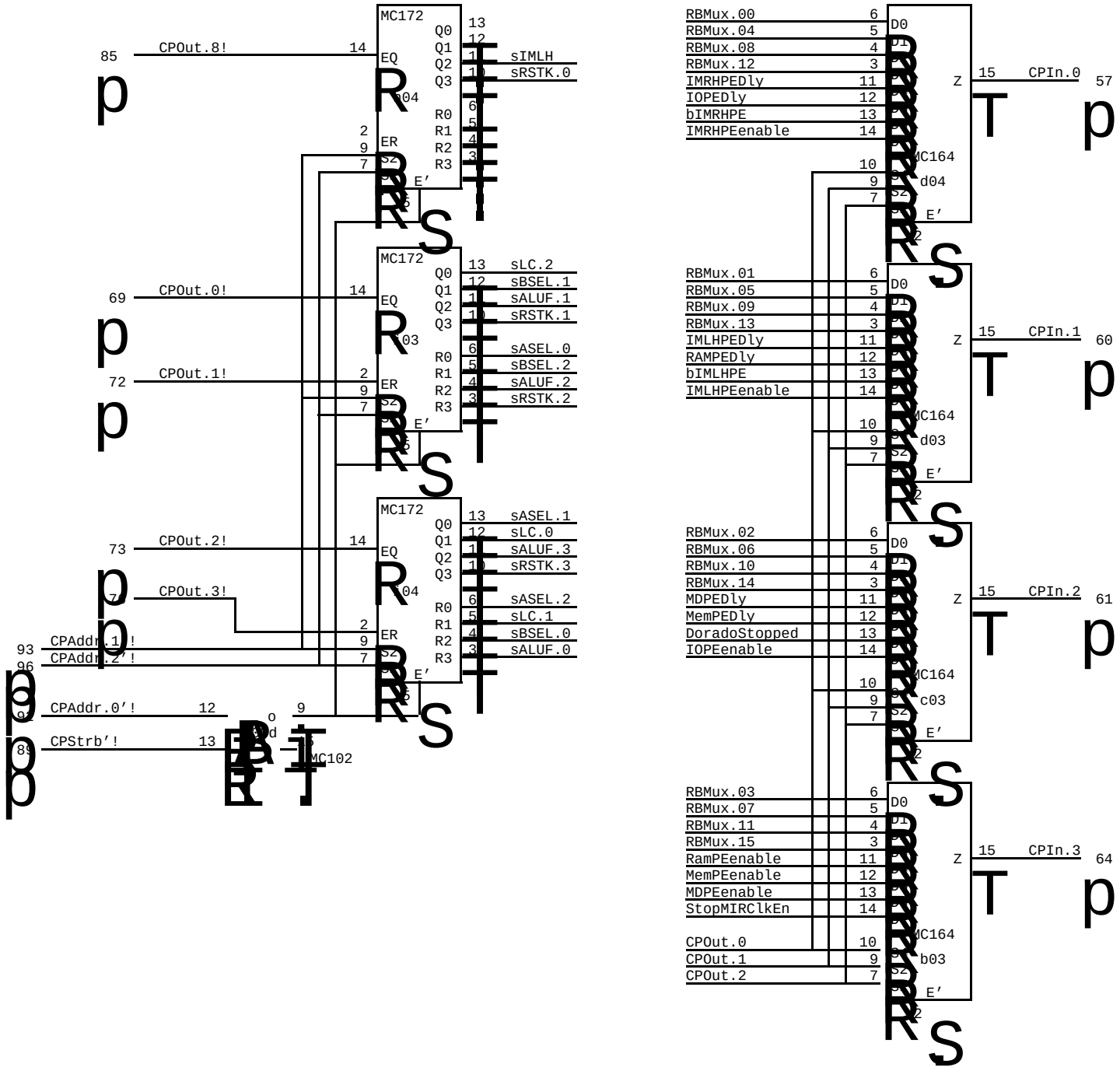


XEROX PARC/CSL	Project Dorado	D1 Control Store Ram Addressing	File ContB07.sil	Designer Pier	Rev Cd	Date 7/12/79	Page 07

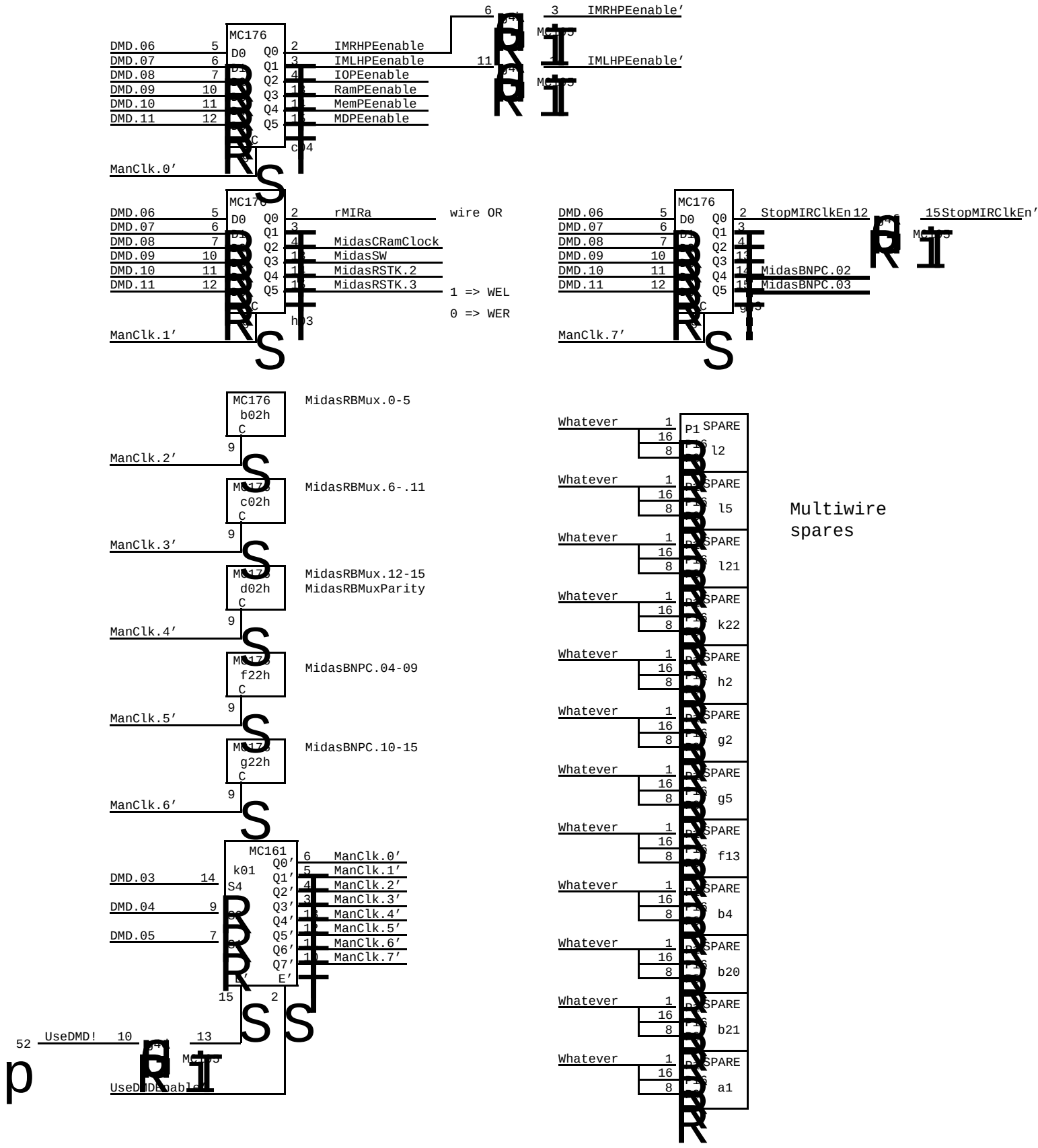


XEROX PARC/CSL	Project Dorado	D1 Control Store Chip Selects	File ContB08.sil	Designer Pier	Rev Cd	Date 7/12/79	Page 08

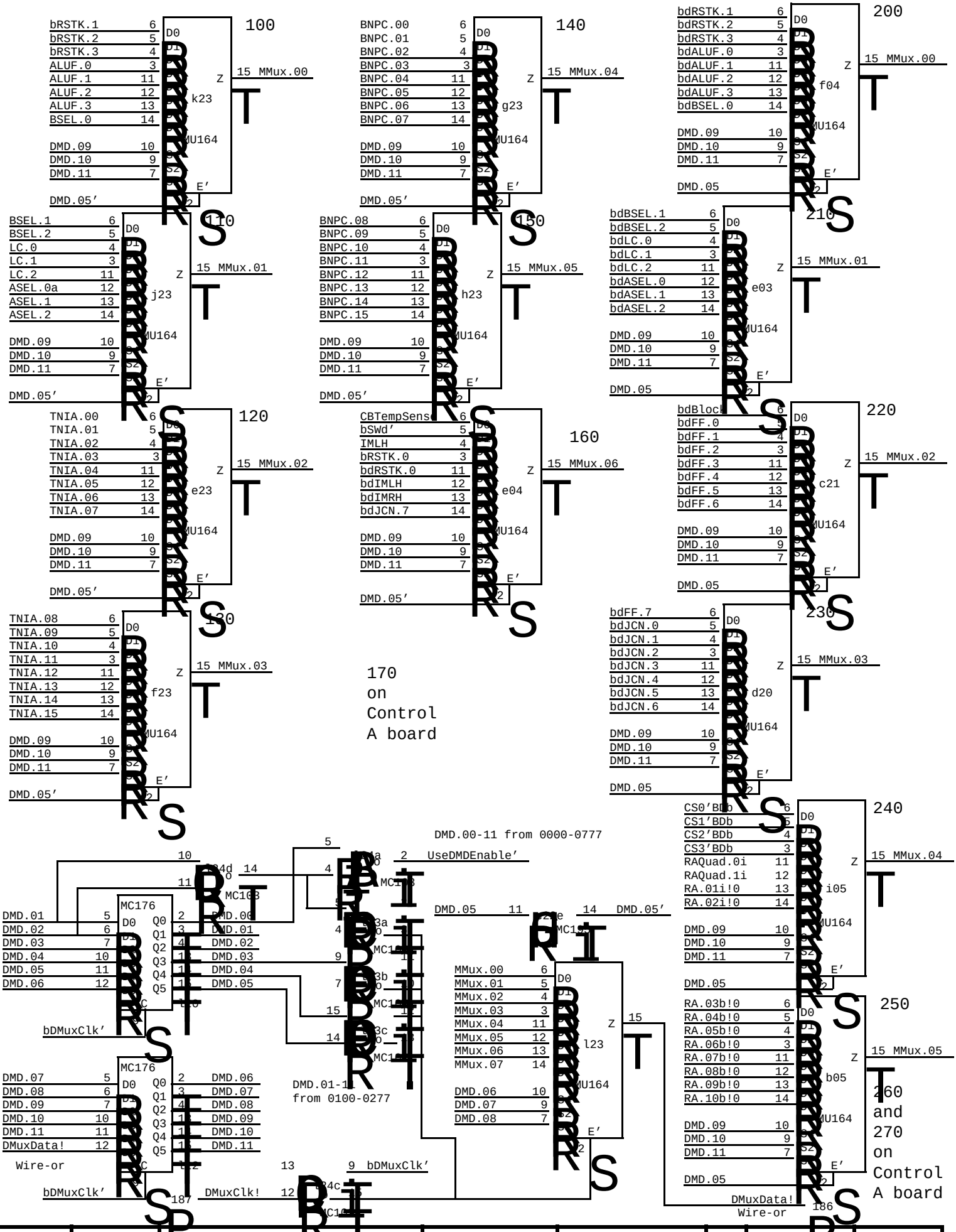

BYTE RSTK dIMOut
2 3 03 04 05 06 07 08 09 10 11
0 0 0 RSTK.0 RSTK.1 RSTK.2 RSTK.3 ALUF.0 ALUF.1 ALUF.2 ALUF.3 BSEL.0
1 0 1 IMLH BSEL.1 BSEL.2 LC.0 LC.1 LC.2 ASEL.0 ASEL.1 ASEL.2
2 1 0 BLOCK FF.0 FF.7
3 1 1 IMRH JCN.0 JCN.7
BYTE 2
BYTE 3
BYTE 0
BYTE 1
bdBlock
bdIMRH
bdRSTK.0
bdIMLH
MidasOrRSTK.2'
MidasOrRSTK.3
bdFF.0
bdJCN.0
bdRSTK.1
bdBSEL.1
bdFF.1
bdJCN.1
bdRSTK.2
bdBSEL.2
bdFF.2
bdJCN.2
bdRSTK.3
bdLC.0
bdFF.3
bdJCN.3
bdALUF.0
bdLC.1
bdFF.4
bdJCN.4
bdALUF.1
bdLC.2
bdFF.5
bdJCN.5
bdALUF.2
bdASEL.0
bdFF.6
bdJCN.6
bdALUF.3
bdASEL.1
bdFF.7
bdJCN.7
bdBSEL.0
bdASEL.2
dIMOut.07
dIMOut.08
dIMOut.09
dIMOut.10
dIMOut.11
dIMOut.12
dIMOut.13
dIMOut.14
dIMOut.15
IMRHPE'
bRSTK.2
MidasRSTK.2
bRSTK.3
MidasRSTK.3
MidasOrRSTK.2'
MidasOrRSTK.2
MidasOrRSTK.3'
MidasOrRSTK.3
bRSTK.0
bRSTK.1
bRSTK.2
bRSTK.3
ALUF.0'
ALUF.1'
ALUF.2'
ALUF.3'
BSEL.0
bIMLHPE
IMLHPE'
Use MIR outputs that do not go off the board for better loading.
BSEL.1
BSEL.2
LC.0'
LC.1'
LC.2'
ASEL.0a
ASEL.1
ASEL.2
IMLH'
bIMRHPE
IMRHPEenable'
IMLHPE'
IMRHPE'
IMLHPEenable'
IMLHPE'
IMLHPEenable'
StopMIRClkEn'
StopMIRClk
StopMIRClkBD
StopMIRClkC
Error'
IOPEenable
IOPE
RamPEenable
RamPE
MemPEenable
MemPE
MDPEenable
MdPE
IMRHPEDly
IMLHPEDly
IOPEDly
RAMPEDly
MemPEDly
MDPEDly
clk0'Ba
[by t0+27.6]
XEROX PARC/CSL
Project Dorado
Control Store Read Multiplexer & Processor Control Signals
File ContB09.sil
Designer Pier
Rev Cd
Date 7/12/79
Page 09



XEROX PARC/CSL	Project: Dorado	D1 Control Store sMIR and CPI interfaces	File: ContB10.sil	Designer: Pier	Rev: Cd	Date: 7/12/79	Page: 10



XEROX PARC/CSL	Project: Dorado	Control Store Manifold Interface	File: ContB11.sil	Designer: Pier	Rev: Cd	Date: 7/12/79	Page: 11


100
bRSTK.1 6
bRSTK.2 5
bRSTK.3 4
ALUF.0 3
ALUF.1 11
ALUF.2 12
ALUF.3 13
BSEL.0 14
DMD.09 10
DMD.10 9
DMD.11 7
DMD.05'
k23
15 MMux.00
110
BSEL.1 6
BSEL.2 5
LC.0 4
LC.1 3
LC.2 11
ASEL.0a 12
ASEL.1 13
ASEL.2 14
DMD.09 10
DMD.10 9
DMD.11 7
DMD.05'
j23
15 MMux.01
120
TNIA.00 6
TNIA.01 5
TNIA.02 4
TNIA.03 3
TNIA.04 11
TNIA.05 12
TNIA.06 13
TNIA.07 14
DMD.09 10
DMD.10 9
DMD.11 7
DMD.05'
e23
15 MMux.02
130
TNIA.08 6
TNIA.09 5
TNIA.10 4
TNIA.11 3
TNIA.12 11
TNIA.13 12
TNIA.14 13
TNIA.15 14
DMD.09 10
DMD.10 9
DMD.11 7
DMD.05'
f23
15 MMux.03
140
BNPC.00 6
BNPC.01 5
BNPC.02 4
BNPC.03 3
BNPC.04 11
BNPC.05 12
BNPC.06 13
BNPC.07 14
DMD.09 10
DMD.10 9
DMD.11 7
DMD.05'
g23
15 MMux.04
150
BNPC.08 6
BNPC.09 5
BNPC.10 4
BNPC.11 3
BNPC.12 11
BNPC.13 12
BNPC.14 13
BNPC.15 14
DMD.09 10
DMD.10 9
DMD.11 7
DMD.05'
h23
15 MMux.05
160
CBTempSens 6
bSWd' 5
IMLH 4
bRSTK.0 3
bdRSTK.0 11
bdIMLH 12
bdIMRH 13
bdJCN.7 14
DMD.09 10
DMD.10 9
DMD.11 7
DMD.05'
e04
15 MMux.06
170
on
Control
A board
200
bdRSTK.1 6
bdRSTK.2 5
bdRSTK.3 4
bdALUF.0 3
bdALUF.1 11
bdALUF.2 12
bdALUF.3 13
bdBSEL.0 14
DMD.09 10
DMD.10 9
DMD.11 7
DMD.05
f04
15 MMux.00
210
bdBSEL.1 6
bdBSEL.2 5
bdLC.0 4
bdLC.1 3
bdLC.2 11
bdASEL.0 12
bdASEL.1 13
bdASEL.2 14
DMD.09 10
DMD.10 9
DMD.11 7
DMD.05
e03
15 MMux.01
220
bdBlock 6
bdFF.0 5
bdFF.1 4
bdFF.2 3
bdFF.3 11
bdFF.4 12
bdFF.5 13
bdFF.6 14
DMD.09 10
DMD.10 9
DMD.11 7
DMD.05
c21
15 MMux.02
230
bdFF.7 6
bdJCN.0 5
bdJCN.1 4
bdJCN.2 3
bdJCN.3 11
bdJCN.4 12
bdJCN.5 13
bdJCN.6 14
DMD.09 10
DMD.10 9
DMD.11 7
DMD.05
d20
15 MMux.03
240
CS0'BDb 6
CS1'BDb 5
CS2'BDb 4
CS3'BDb 3
RAQuad.0i 11
RAQuad.1i 12
RA.01i!0 13
RA.02i!0 14
DMD.09 10
DMD.10 9
DMD.11 7
DMD.05
i05
15 MMux.04
250
RA.03b!0 6
RA.04b!0 5
RA.05b!0 4
RA.06b!0 3
RA.07b!0 11
RA.08b!0 12
RA.09b!0 13
RA.10b!0 14
DMD.09 10
DMD.10 9
DMD.11 7
DMD.05
b05
15 MMux.05
260
and
270
on
Control
A board
MC176
DMD.01 5
DMD.02 6
DMD.03 7
DMD.04 10
DMD.05 11
DMD.06 12
bDMuxClk'
MC176
DMD.07 5
DMD.08 6
DMD.09 7
DMD.10 10
DMD.11 11
DMuxData! 12
Wire-or
bDMuxClk'
DMD.00-11 from 0000-0777
UseDMDEnable'
DMD.01-11
from 0100-0277
DMD.05 11
DMD.05' 14
MMux.00 6
MMux.01 5
MMux.02 4
MMux.03 3
MMux.04 11
MMux.05 12
MMux.06 13
MMux.07 14
DMD.06 10
DMD.07 9
DMD.08 7
l23
15
bDMuxClk' 9
DMuxClk! 12
DMuxData!
Wire-or
XEROX
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Project
Dorado
Control Store
Midas Interface
File
ContB12.sil
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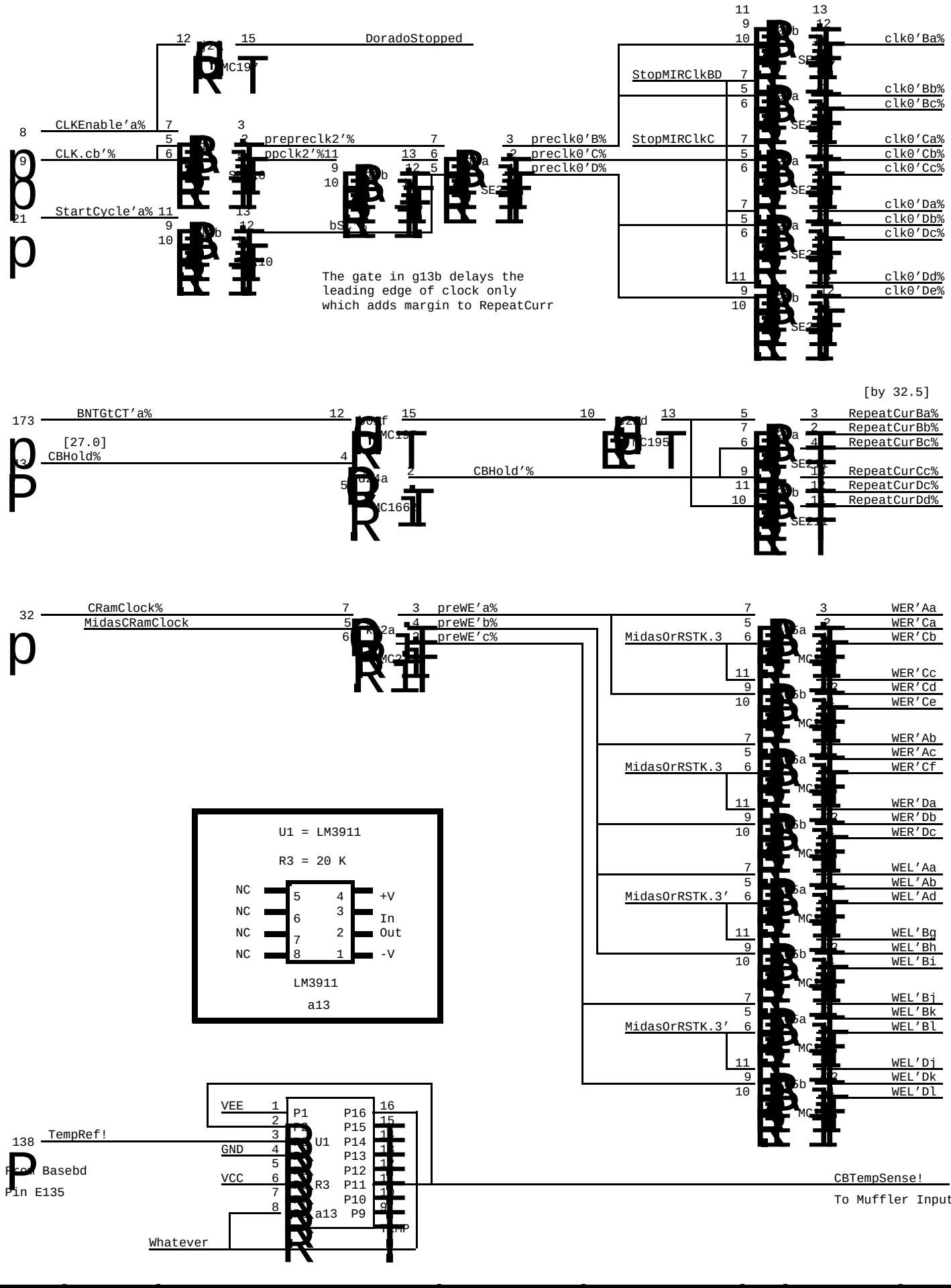
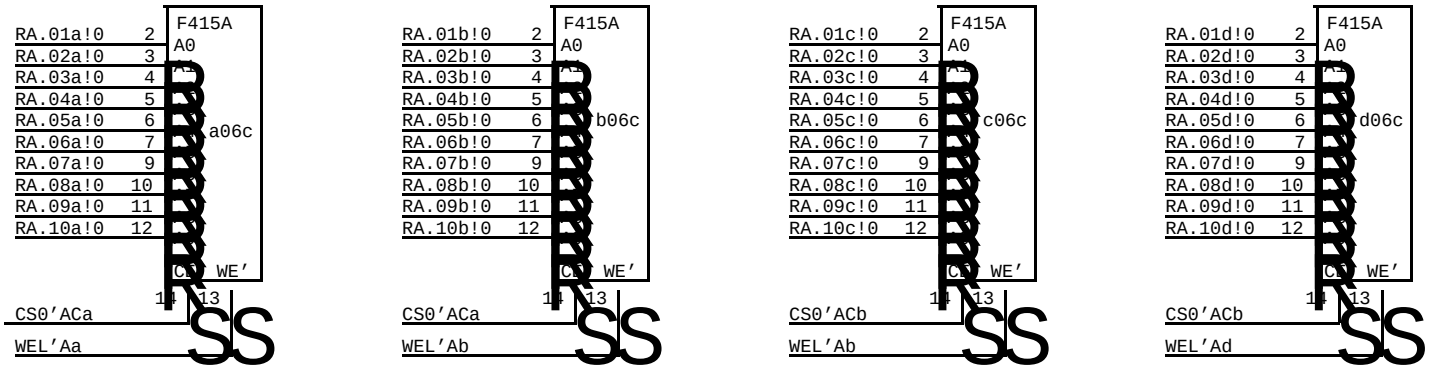
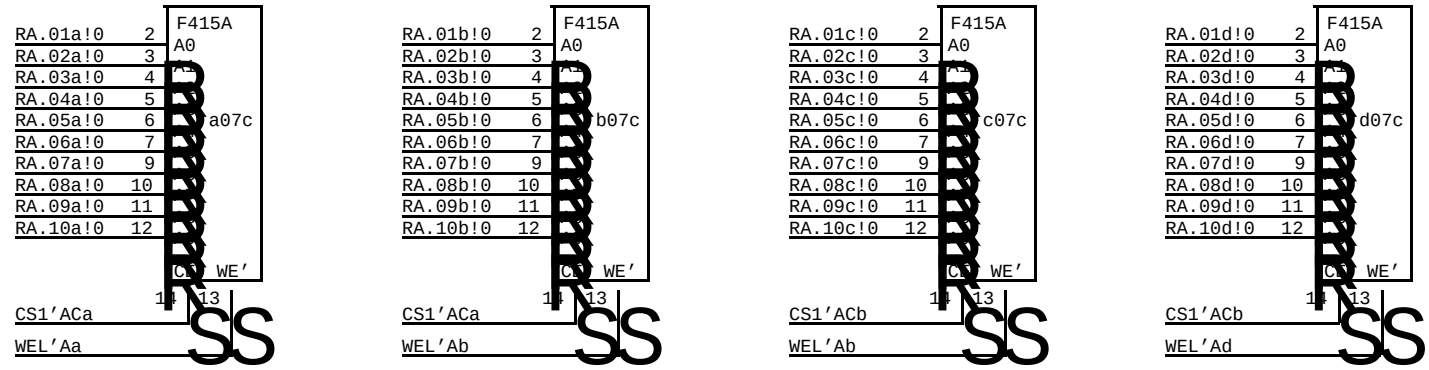


XEROX	Project	D1 Control Store	File	Designer	Rev	Date	Page
PARC/CSL	Dorado	Clocks	ContB13.sil	Pier	Cd	7/12/79	13

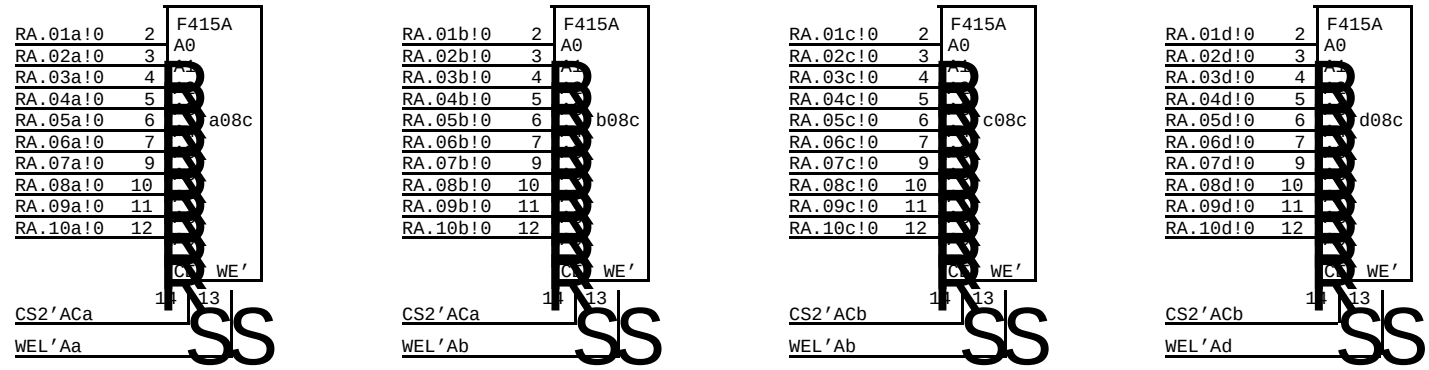
0 to 3777 Even



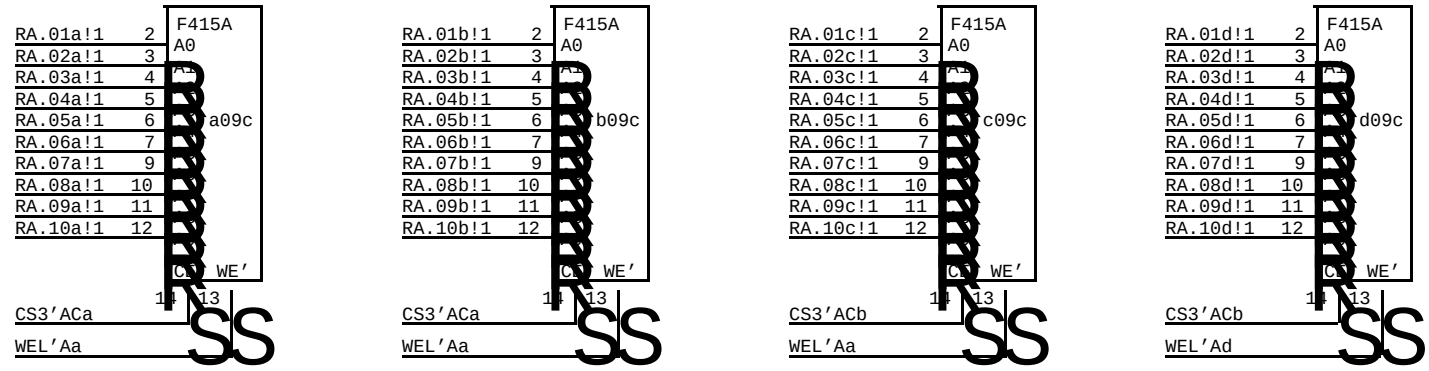
0 to 3777 Odd



4000 to 7777 Even

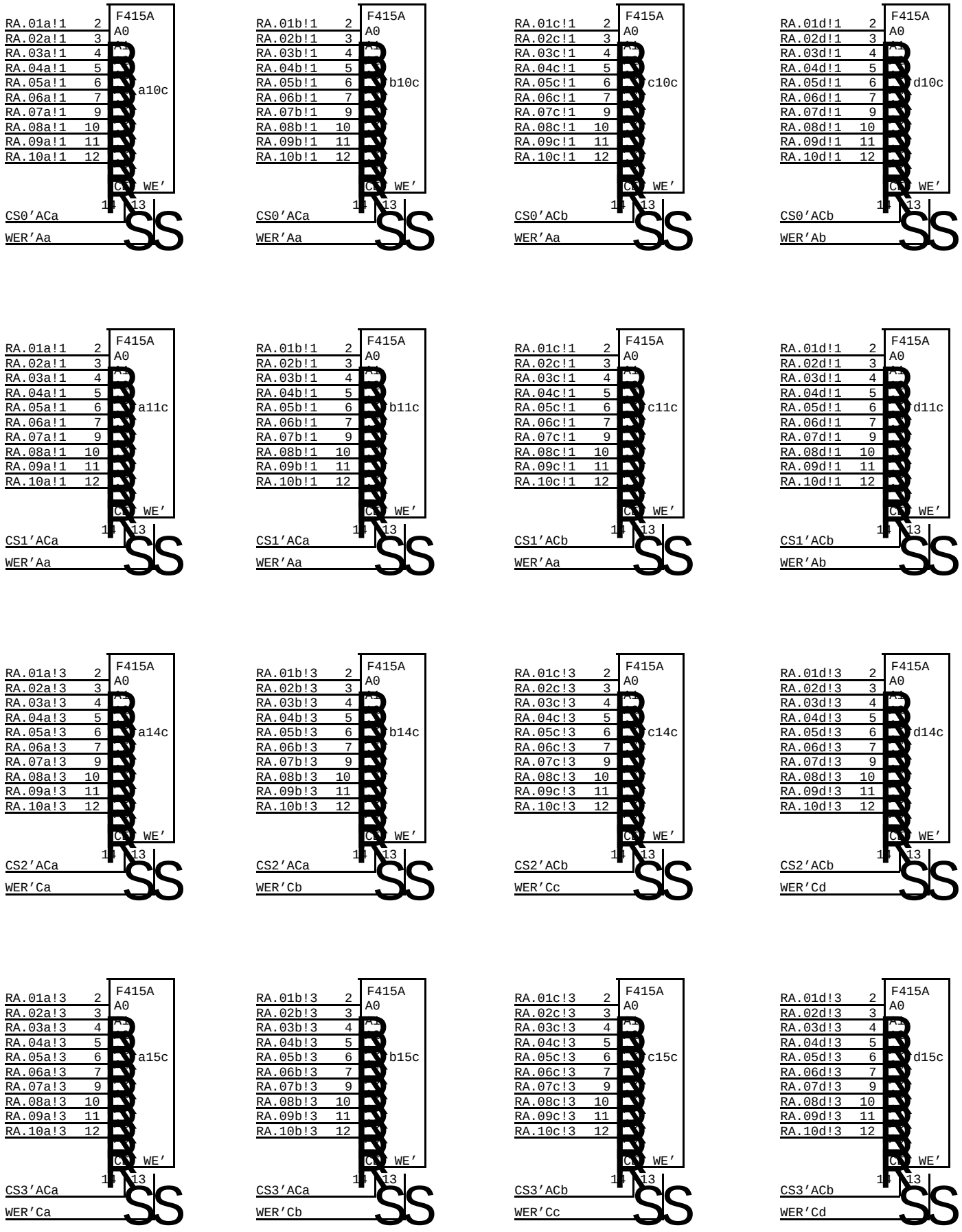


4000 to 7777 Odd

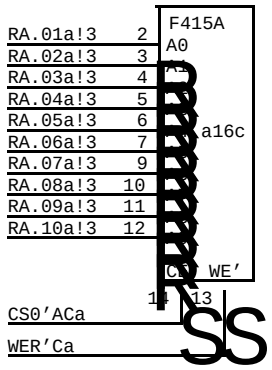


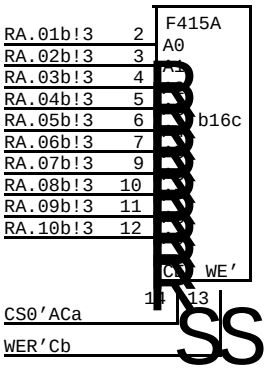
ASEL.0 ASEL.1 ASEL.2 IMLH

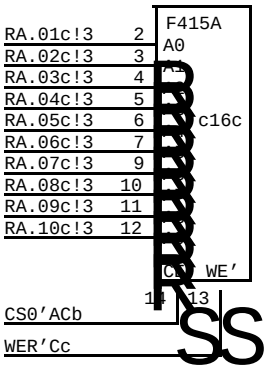
XEROX PARC/CSL	Project Dorado	D1 Control Store ASEL.0 to ASEL.2, & IMLH	File ContB14.sil	Designer Pier	Rev Cd	Date 7/12/79	Page 14

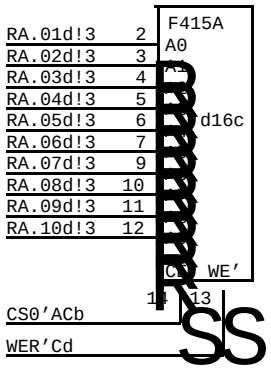


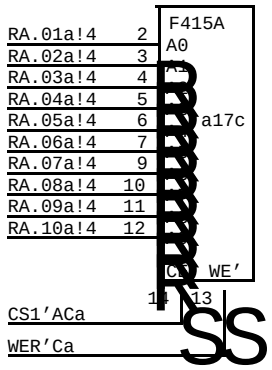
XEROX PARC/CSL	Project Dorado	D1 Control Store FF.0 to FF.3	File ContB15.sil	Designer Pier	Rev Cd	Date 7/12/79	Page 15

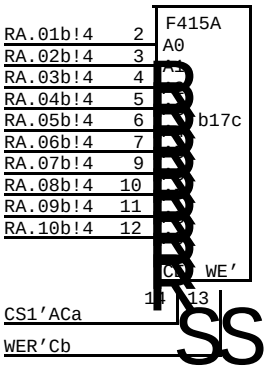


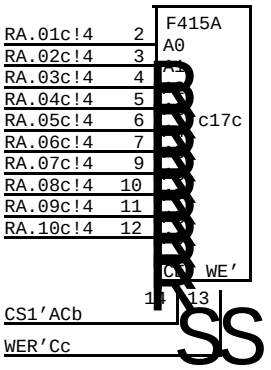


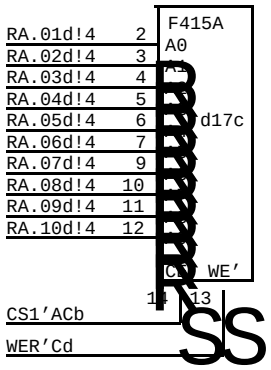


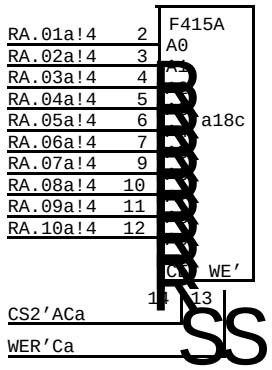


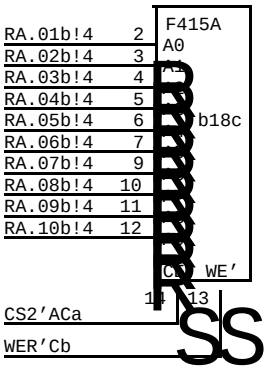


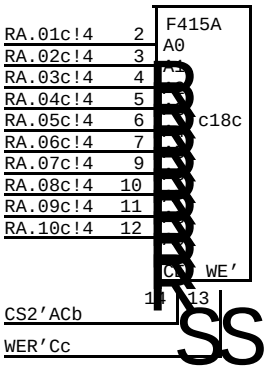


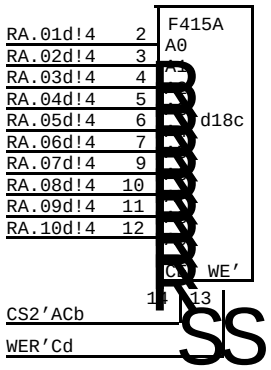


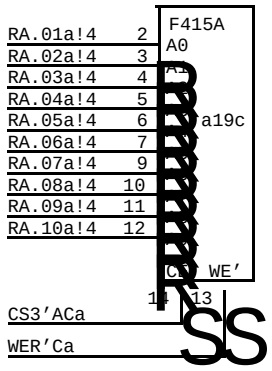


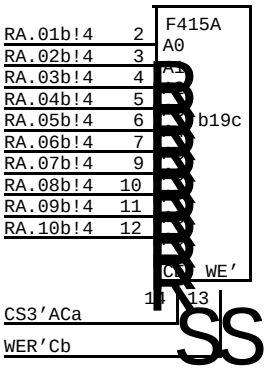


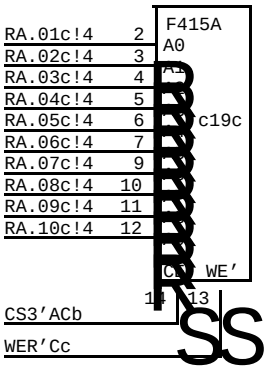


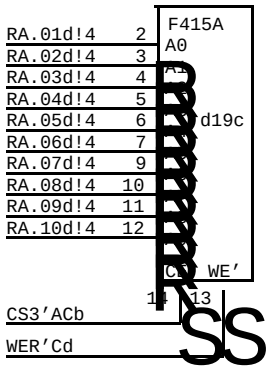






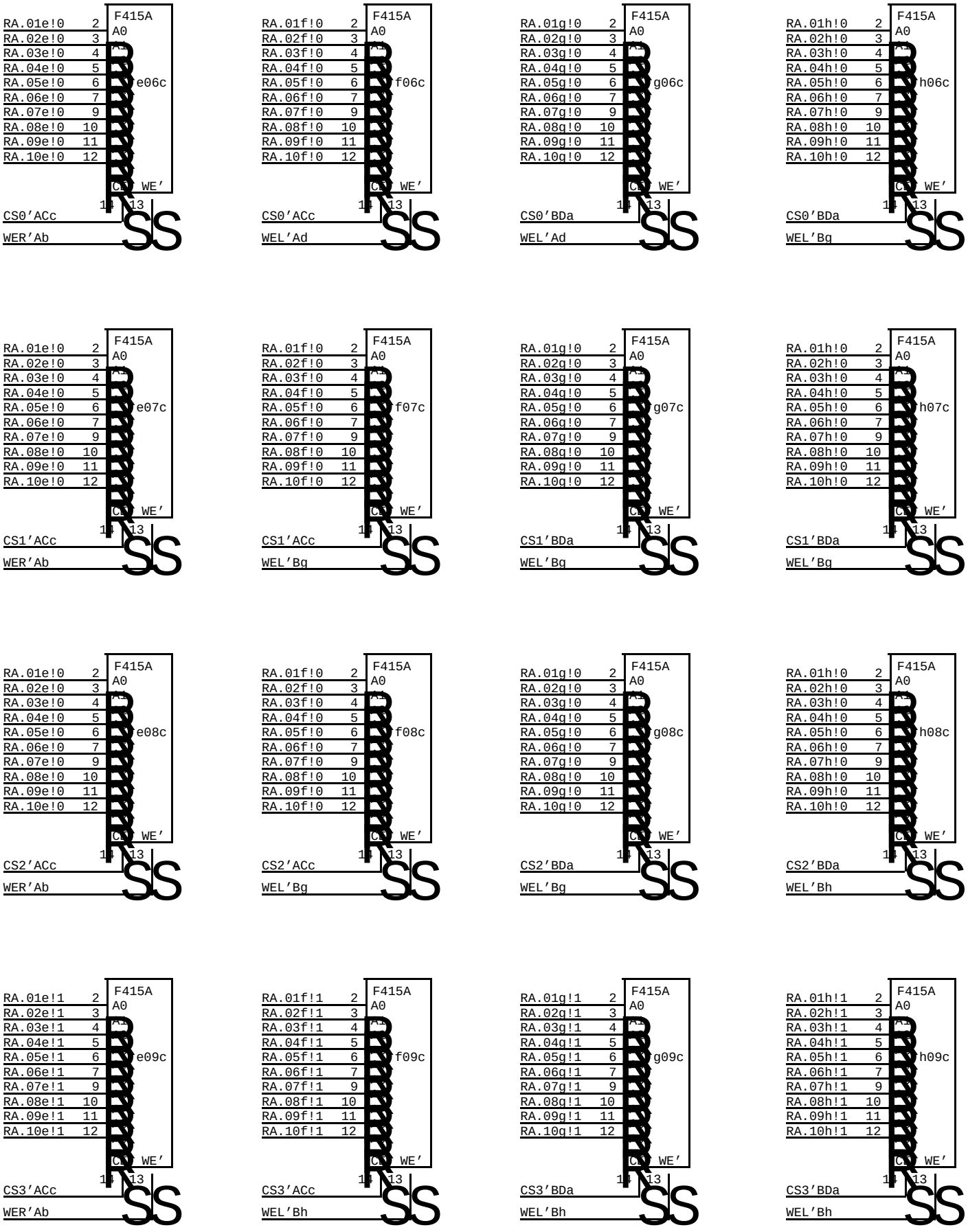






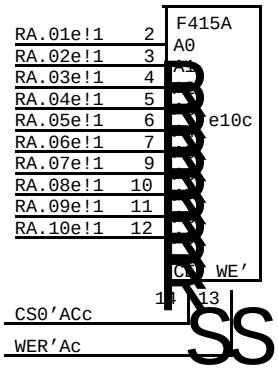
FF.4 FF.5 FF.6 FF.7

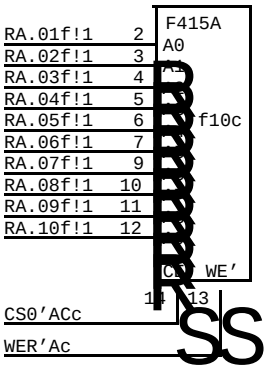
XEROX PARC/CSL	Project Dorado	D1 Control Store FF.4 to FF.7	File ContB16.sil	Designer Pier	Rev Cd	Date 7/12/79	Page 16

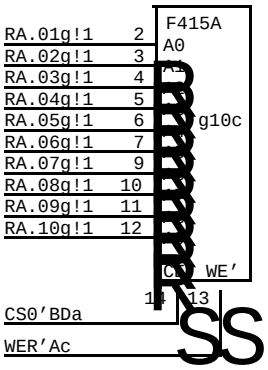


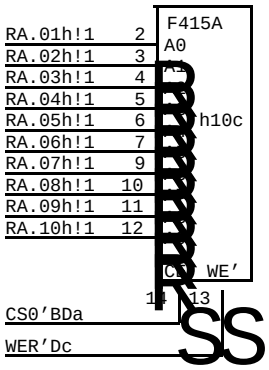
JCN.0 BSEL.0 BSEL.1 BSEL.2

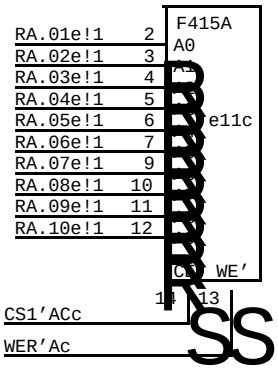
XEROX PARC/CSL	Project Dorado	D1 Control Store JCN.0 & BSEL.0 to BSEL.2	File ContB17.sil	Designer Pier	Rev Cd	Date 7/12/79	Page 17

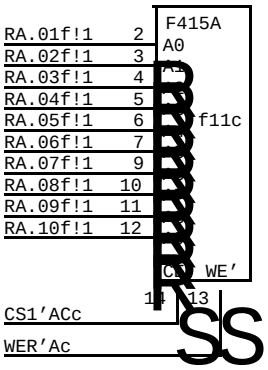


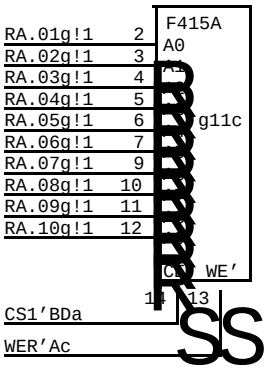


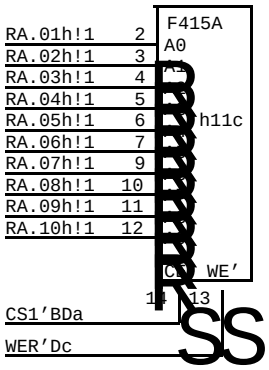


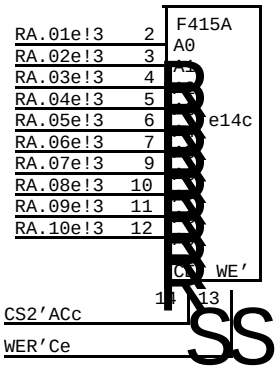


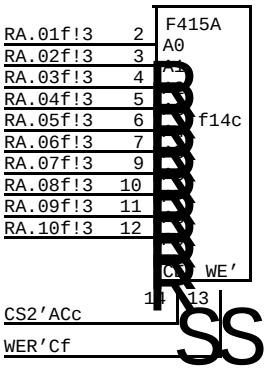


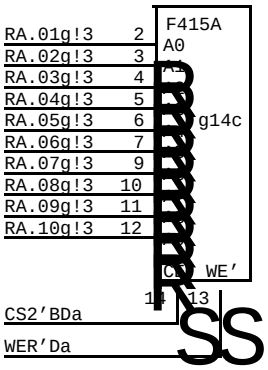


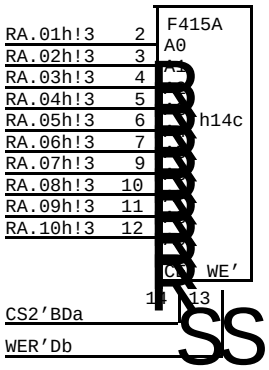


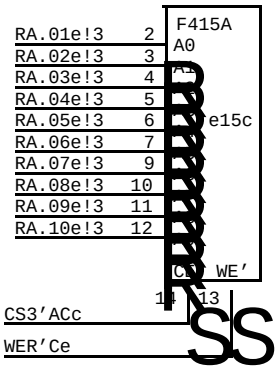


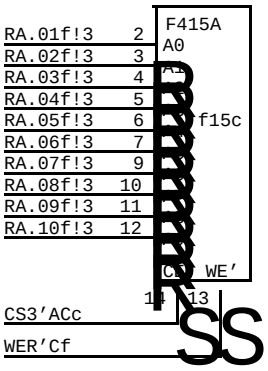


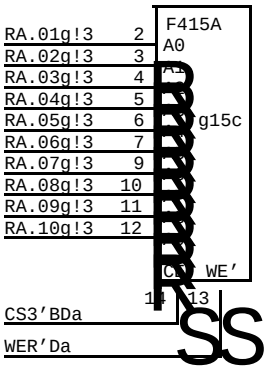


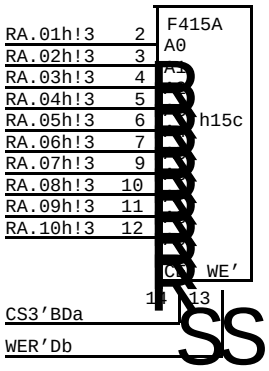






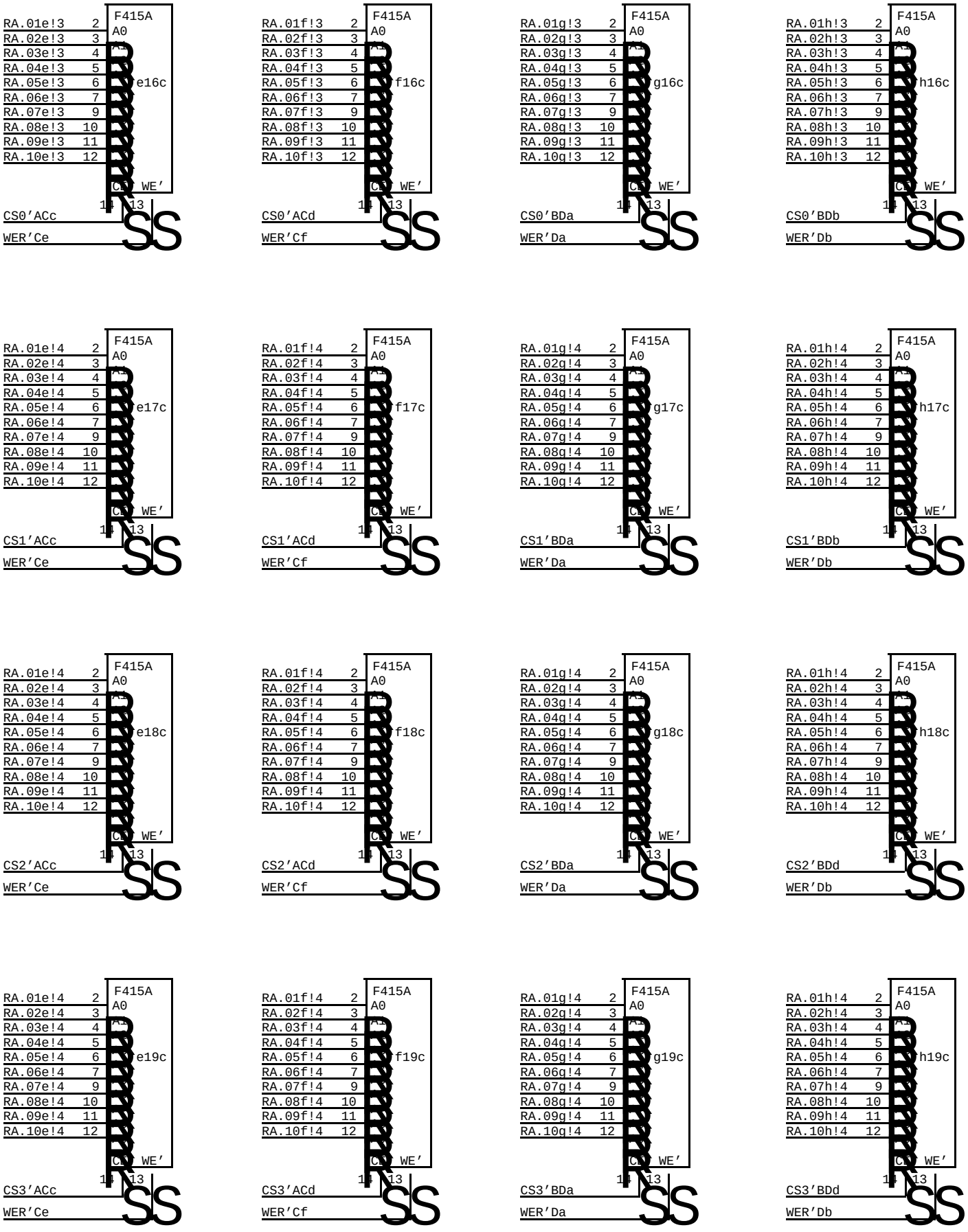






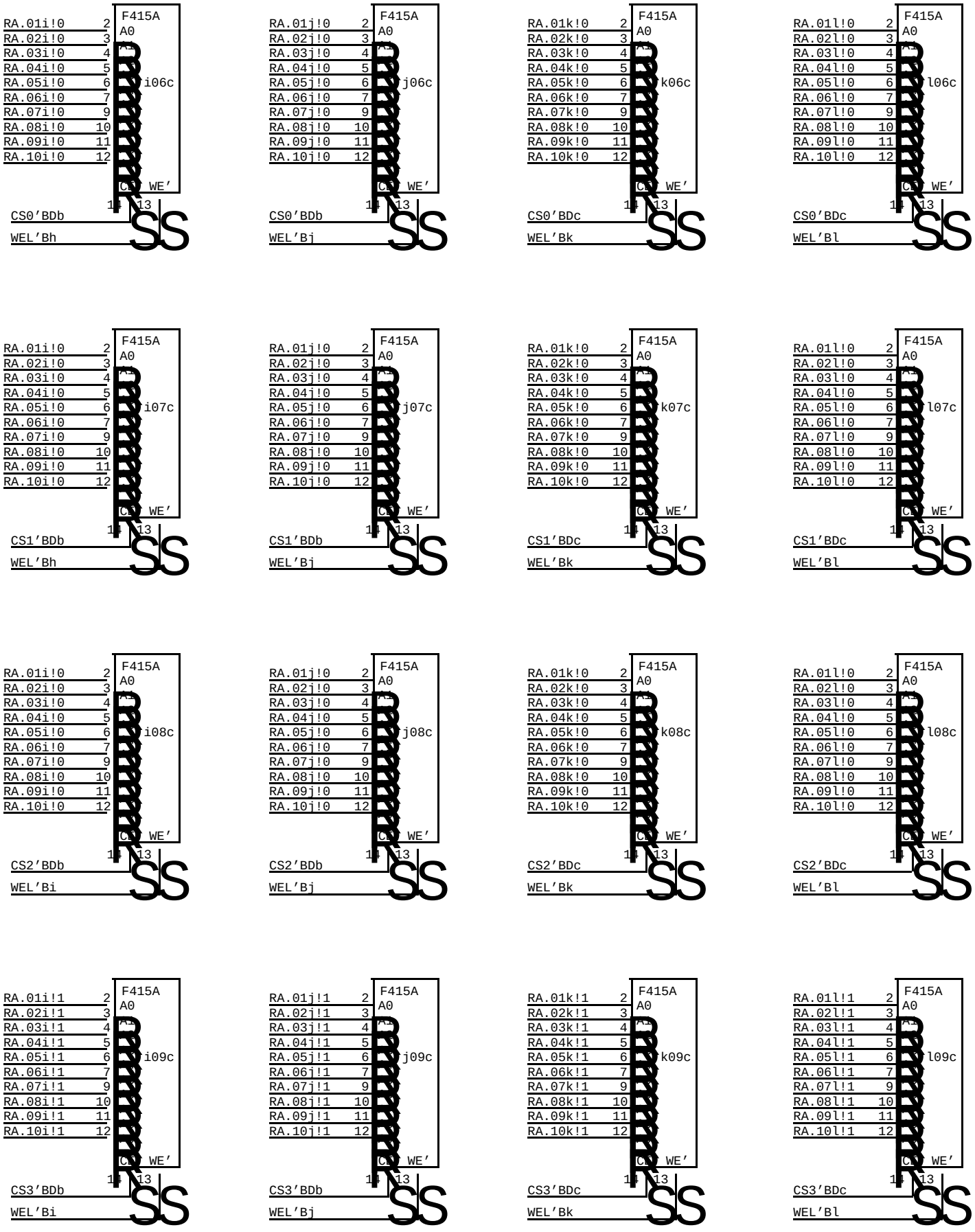
JCN.1 JCN.2 JCN.3 JCN.4

XEROX PARC/CSL	Project Dorado	D1 Control Store JCN.1 to JCN.4	File ContB18.sil	Designer Pier	Rev Cd	Date 7/12/79	Page 18



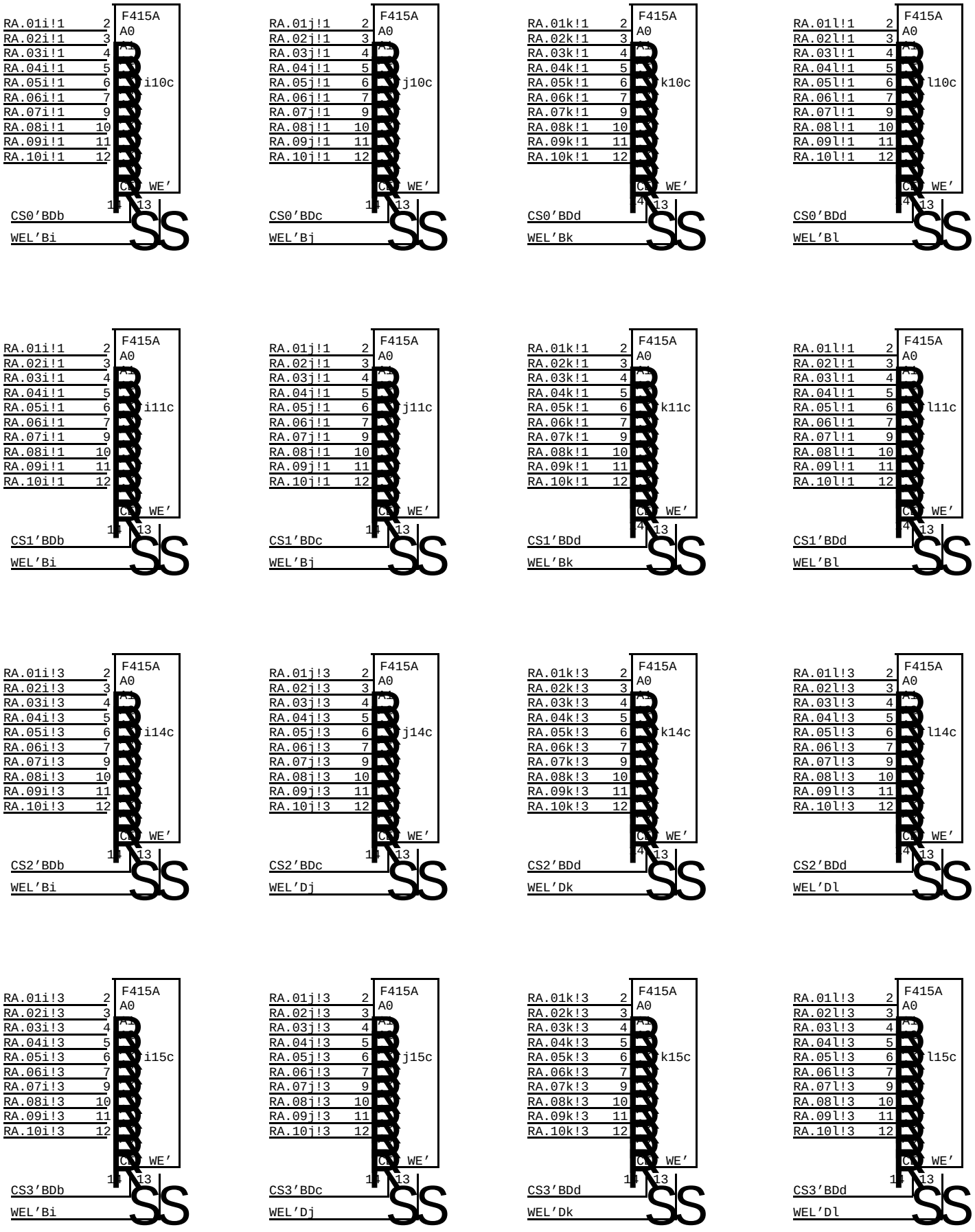
IMRH BLK' JCN.5 JCN.6

XEROX PARC/CSL	Project Dorado	D1 Control Store IMRH, BLK', JCN.5 to JCN.6	File ContB19.sil	Designer Pier	Rev Cd	Date 7/12/79	Page 19



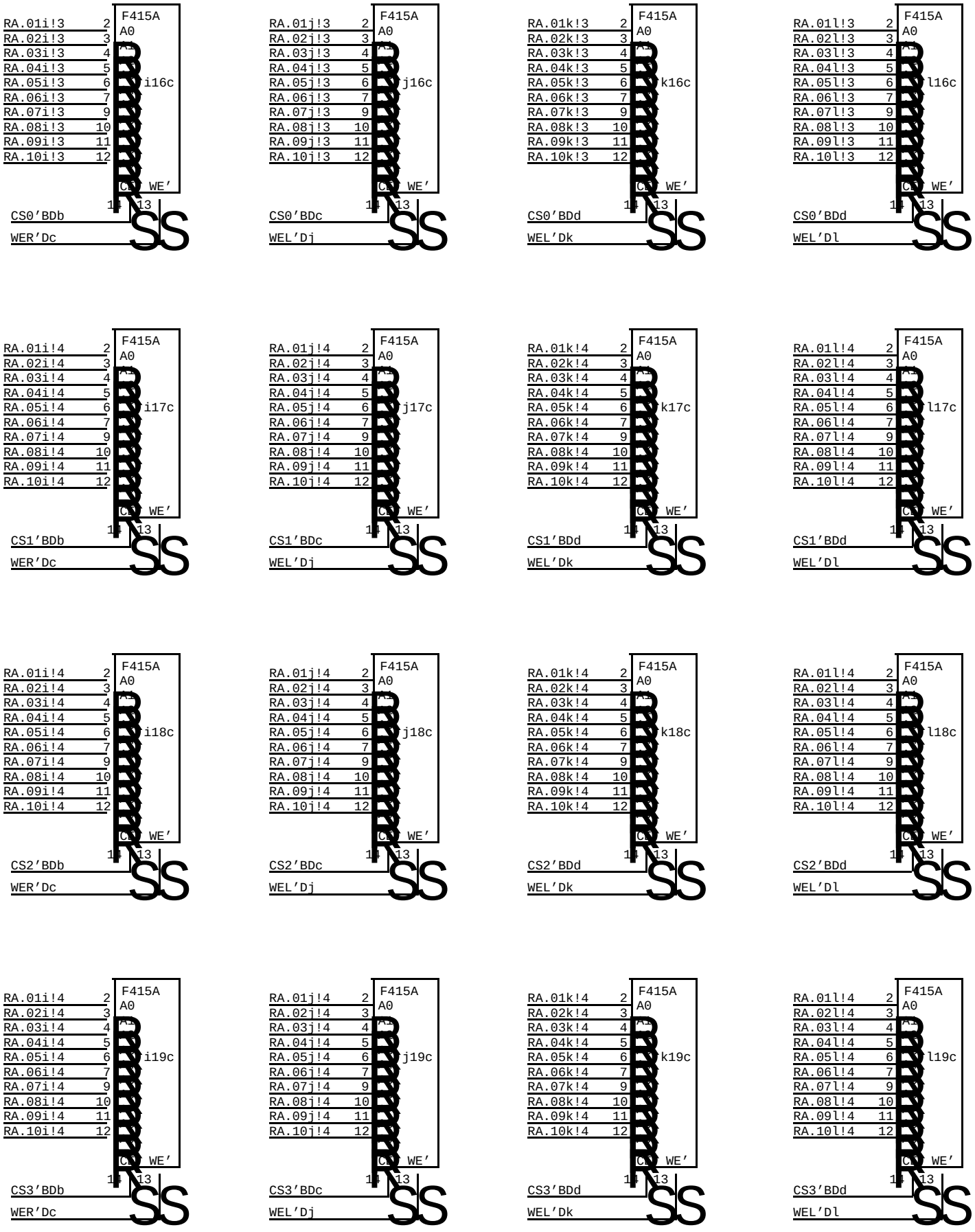
RSTK.0 RSTK.1 RSTK.2 RSTK.3

XEROX PARC/CSL	Project Dorado	D1 Control Store RSTK.0 to RSTK.3	File ContB20.sil	Designer Pier	Rev Cd	Date 7/12/79	Page 20



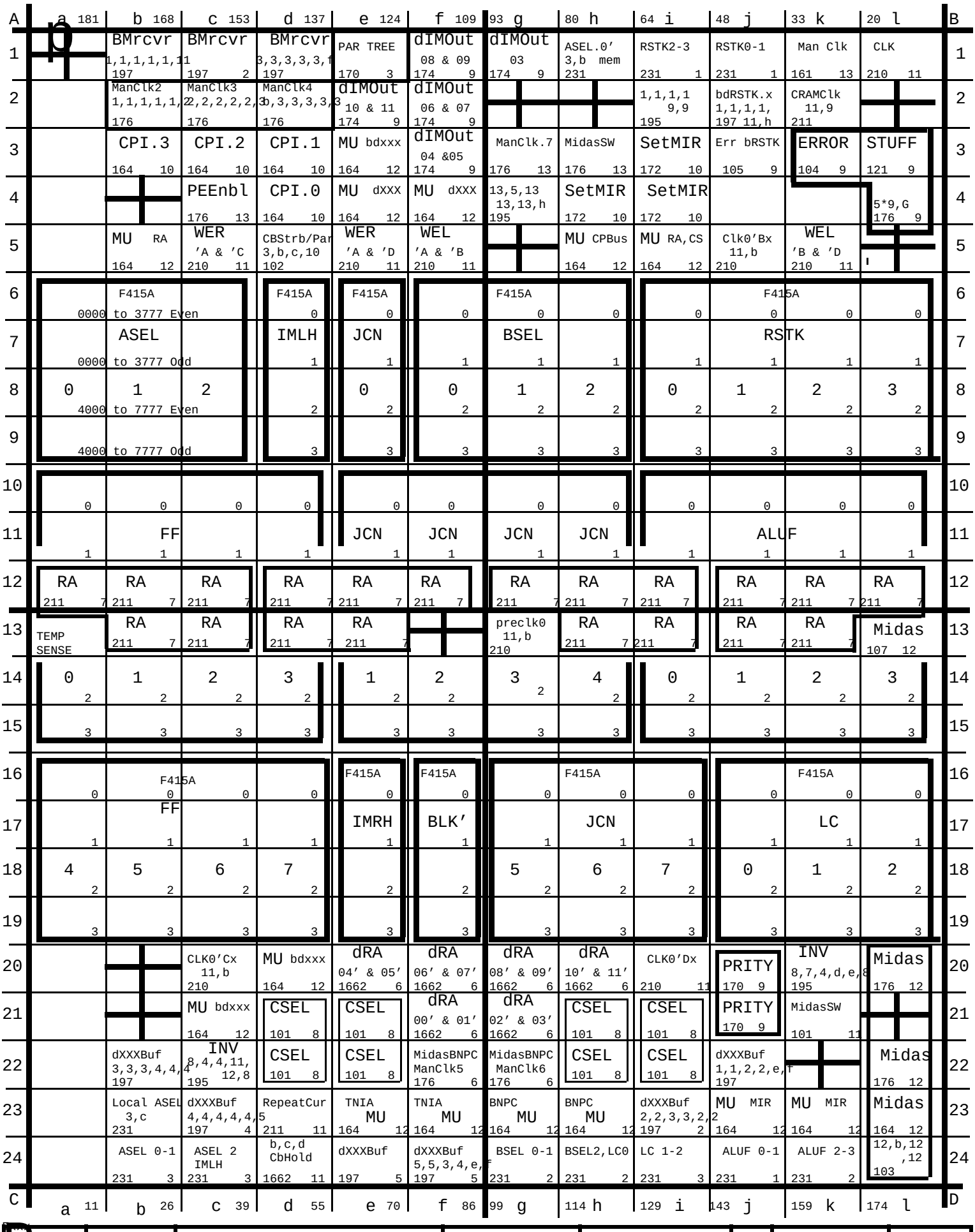
ALUF.0 ALUF.1 ALUF.2 ALUF.3

XEROX PARC/CSL	Project Dorado	D1 Control Store ALUF.0 to ALUF.3	File ContB21.sil	Designer Pier	Rev Cd	Date 7/12/79	Page 21



JCN.7 LC.0 LC.1 LC.2

XEROX PARC/CSL	Project Dorado	D1 Control Store JCN.7 & LC.0 to LC.2	File ContB22.sil	Designer Pier	Rev Cd	Date 7/12/79	Page 22



XEROX PARC/CSL	Project	Reference	File	Designer	Rev	Date	Page
	Dorado	CB Layout	ContB23.sil	Pier	Cd	7/12/79	23