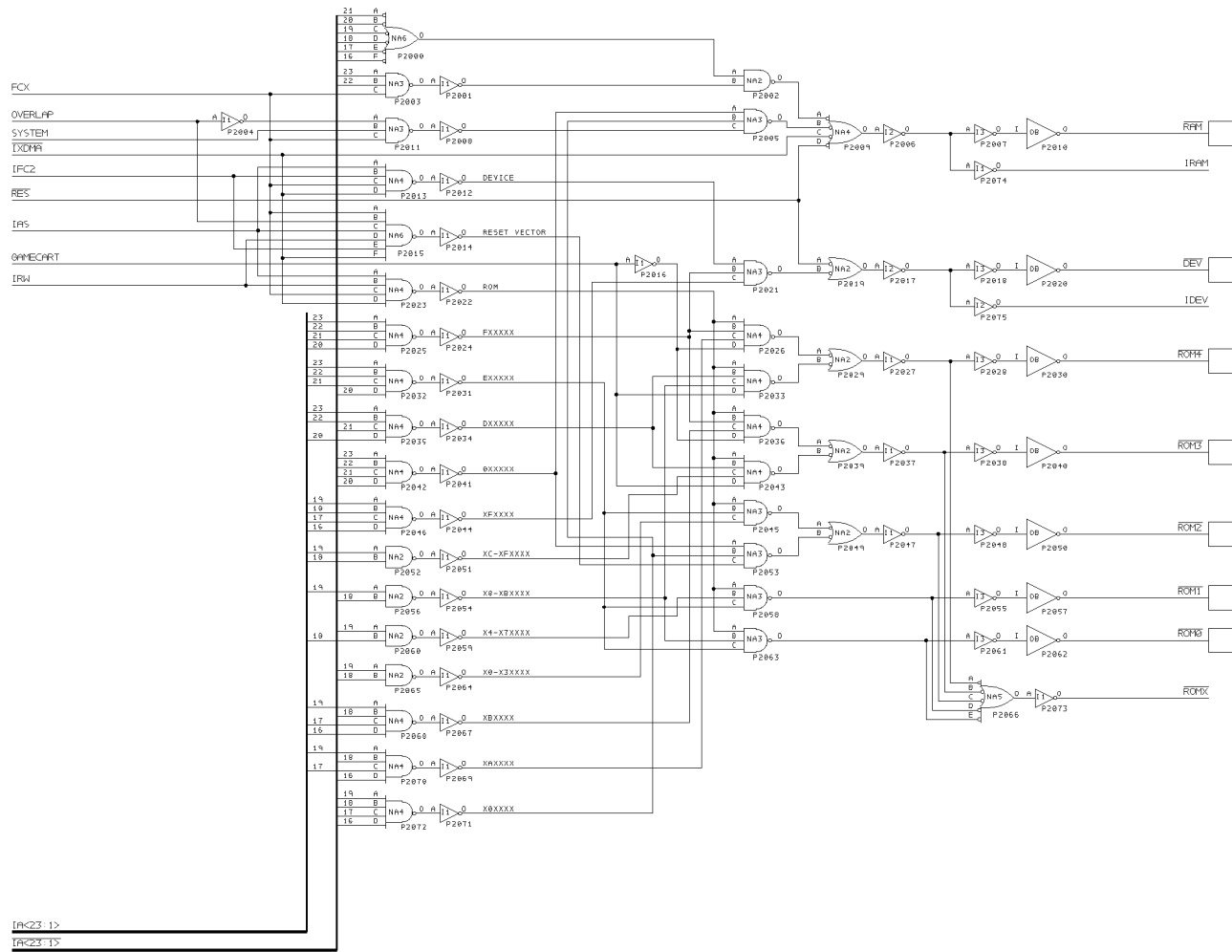
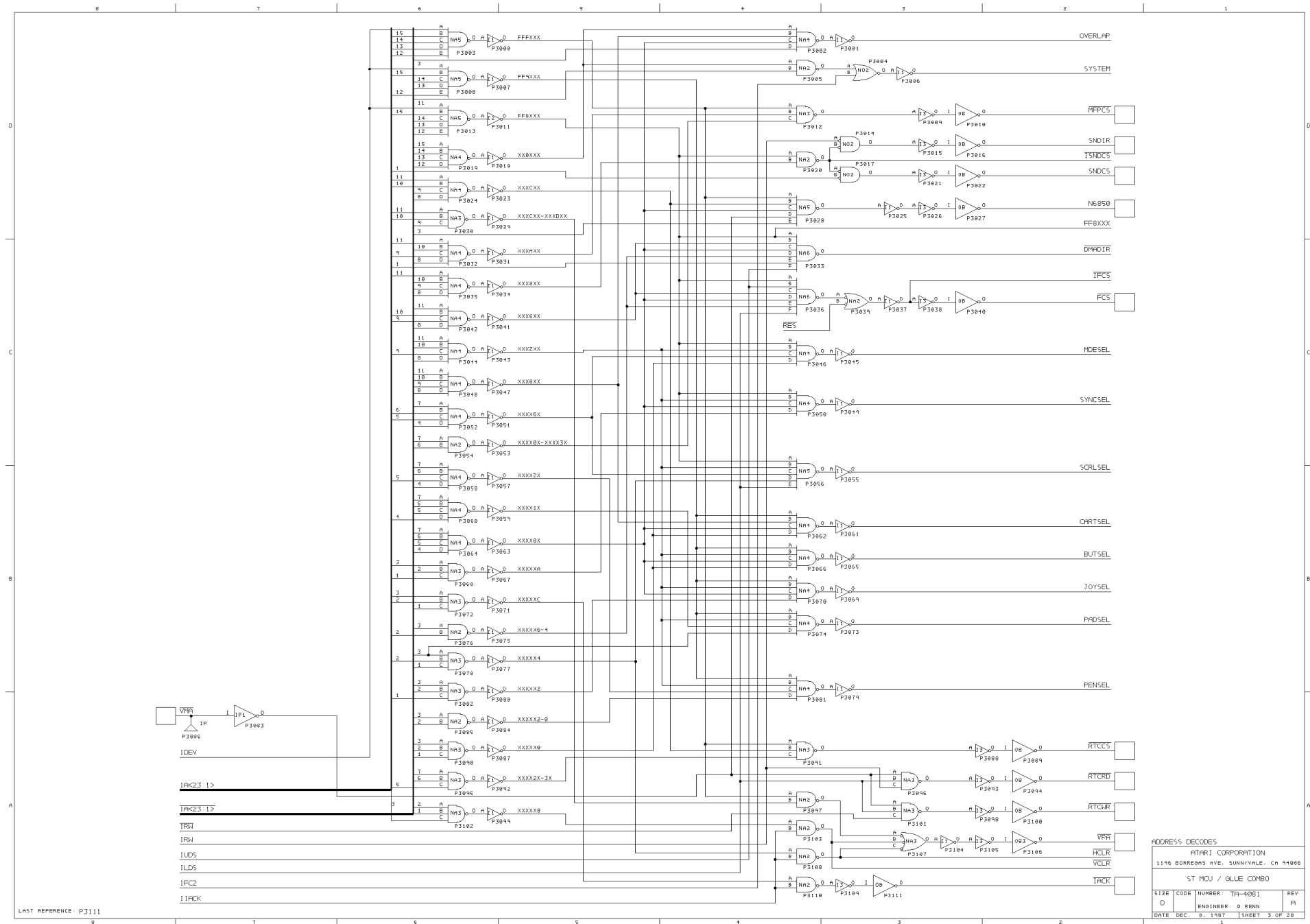
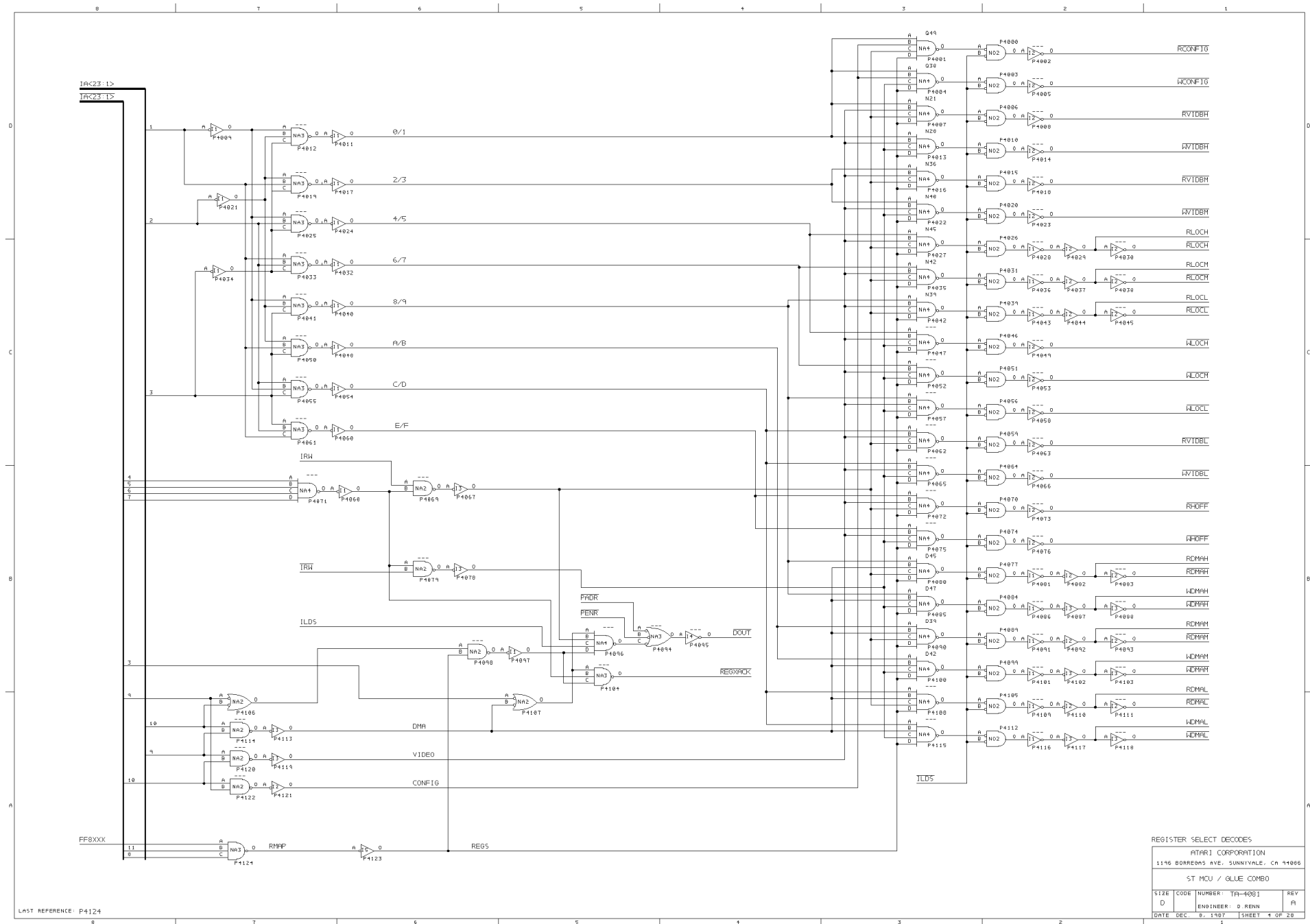


ADDRESS / CONTROL BUS INTERFACE			
ATARI CORPORATION 1196 BORREONS AVE. SUNNYVALE, Ca 91066			
ST MCU / GLUE COMBO			
SIZE	CODE	NUMBER: TA-4081	REV
D		ENGINEER: D. RENN	A
DATE	DEC. 9, 1987	SHEET	1 OF 20

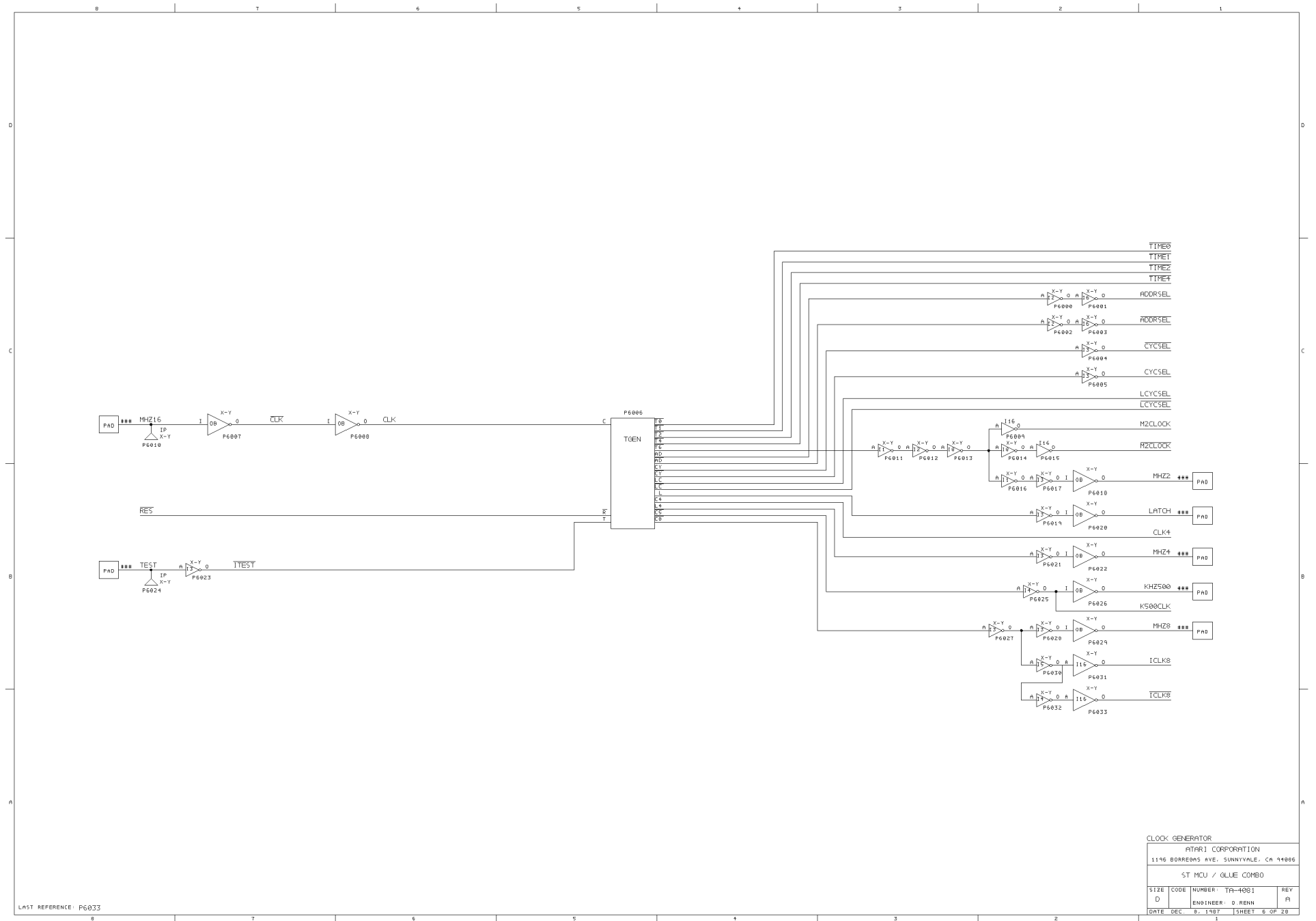


COARSE ADDRESS DECODE			
ATARI CORPORATION			
1116 BORDEGAS AVE. SUNNYVALE, CA 91066			
ST MCU / GLUE COMBO			
SIZE	CODE	NUMBER	REV
D		TA-4081	A
ENGINEER:		O. RENN	
DATE	DEC. 4, 1987	SHEET 2 OF 20	

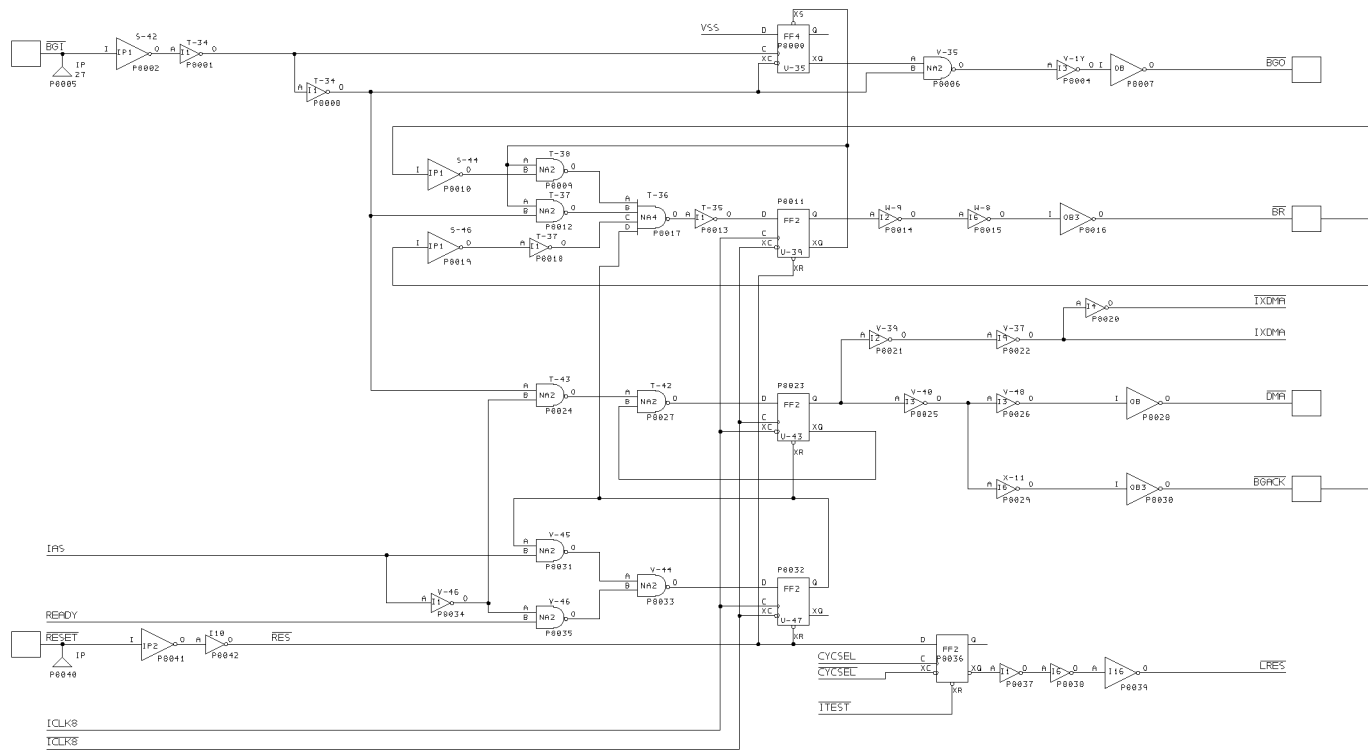








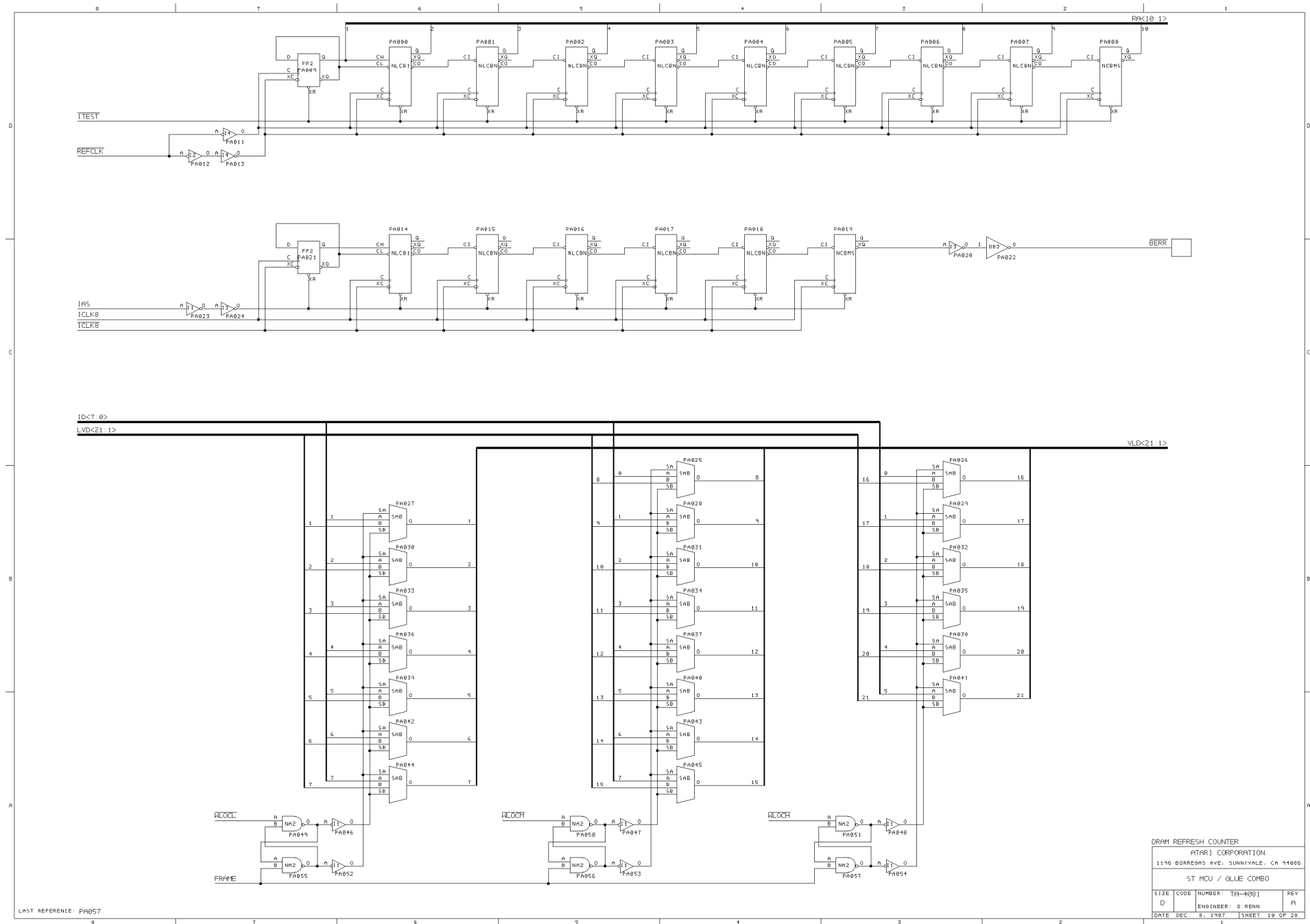


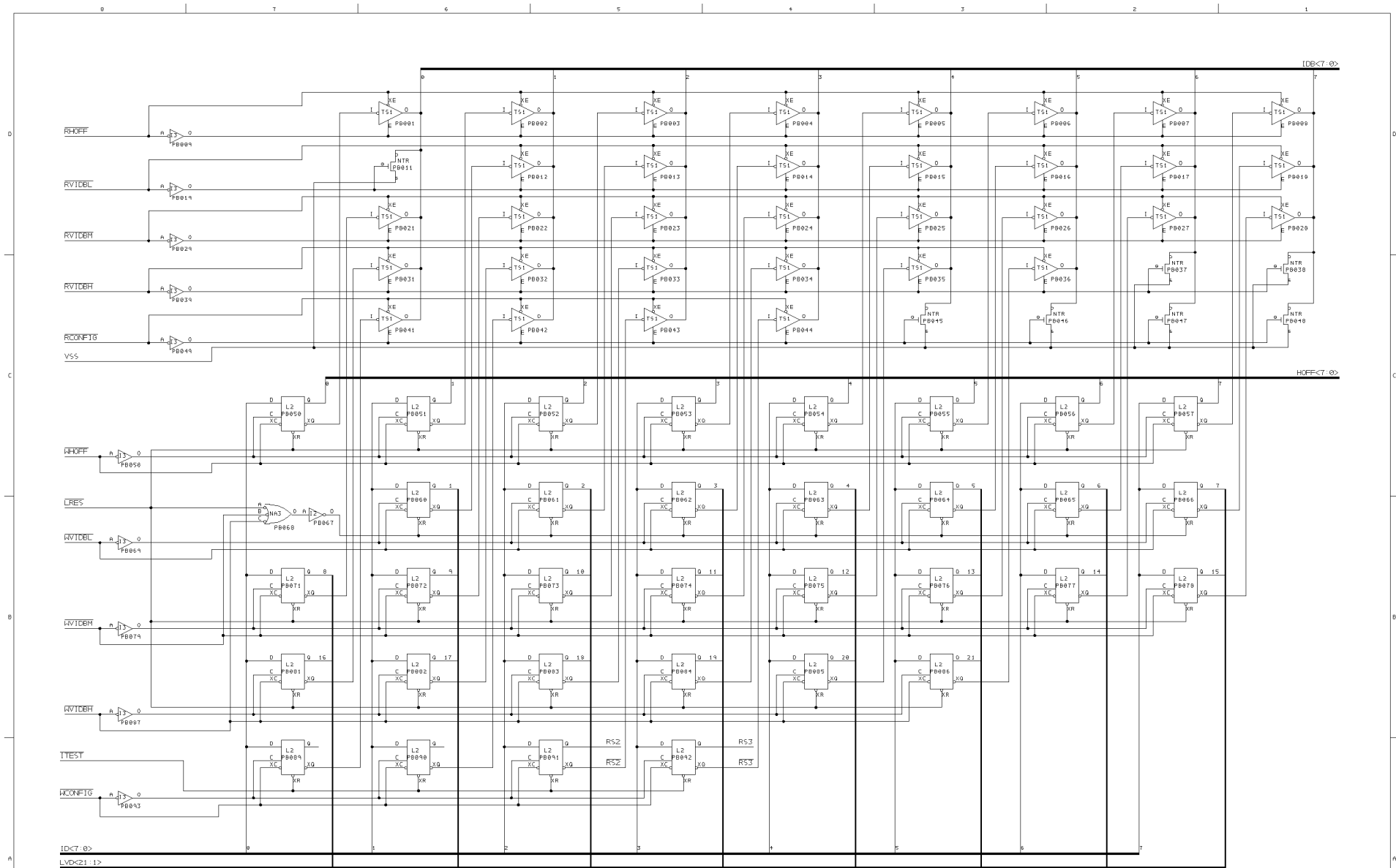


BUS ARBITRATION			
AT&T CORPORATION			
1116 BORREAS AVE. SUNNYVALE, CA 91066			
ST MCU / GLUE COMBO			
SIZE	CODE	NUMBER	REV
D		TA-4081	A
ENGINEER: D. RENN			
DATE	DEC. 8, 1987	SHEET 8 OF 20	

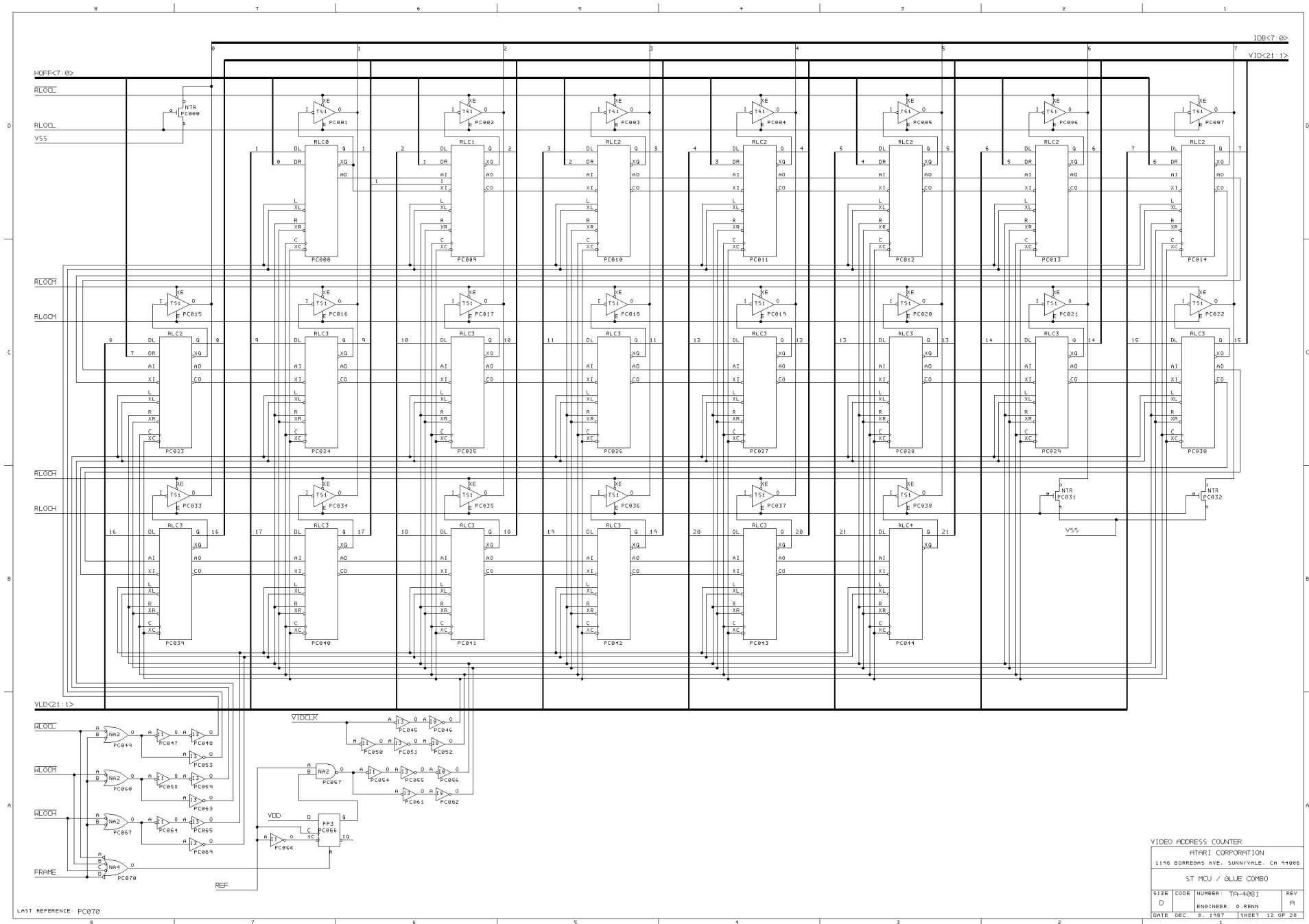


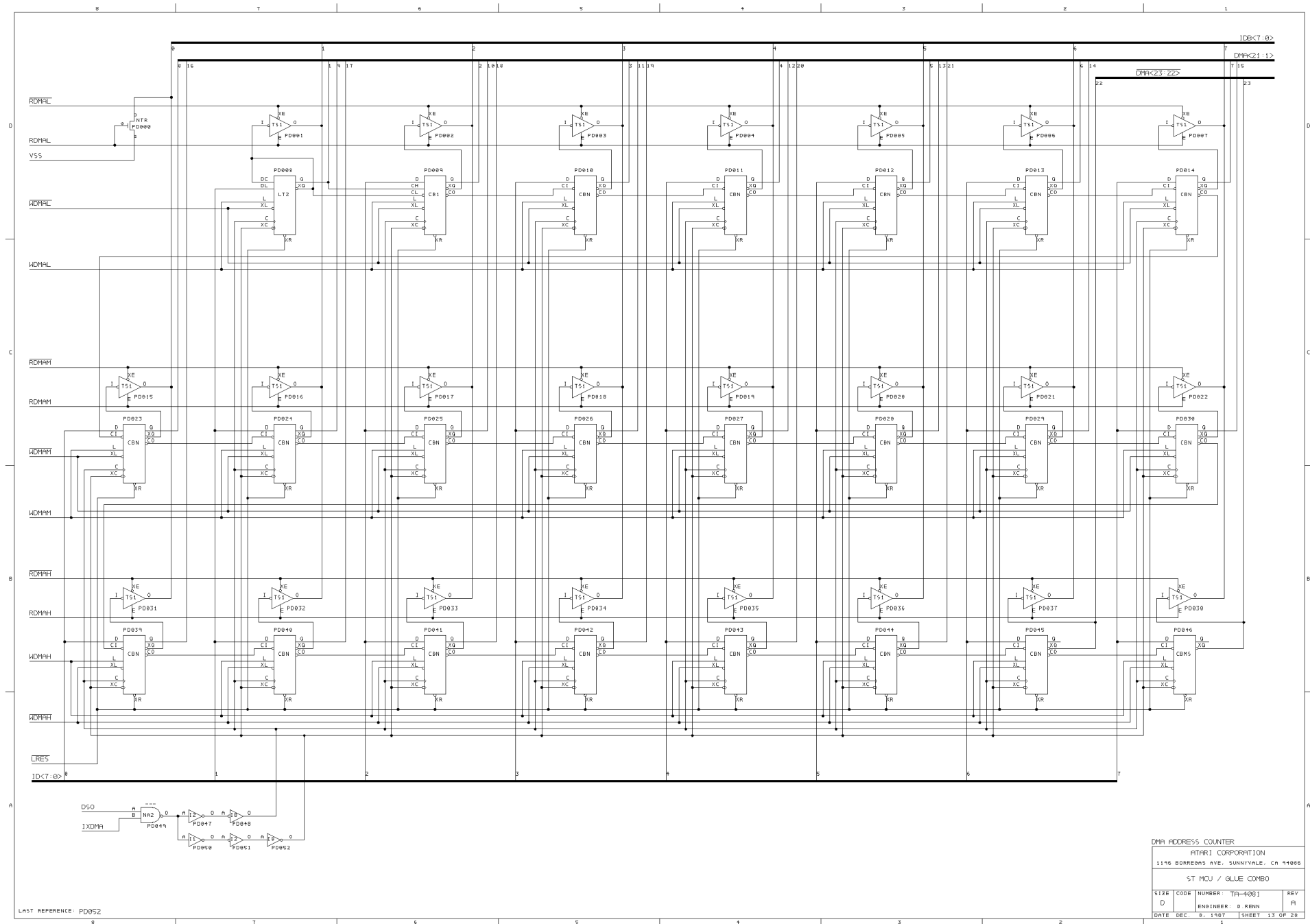




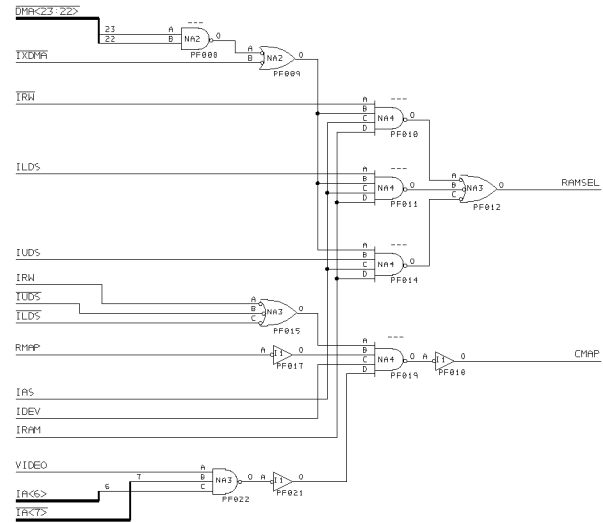
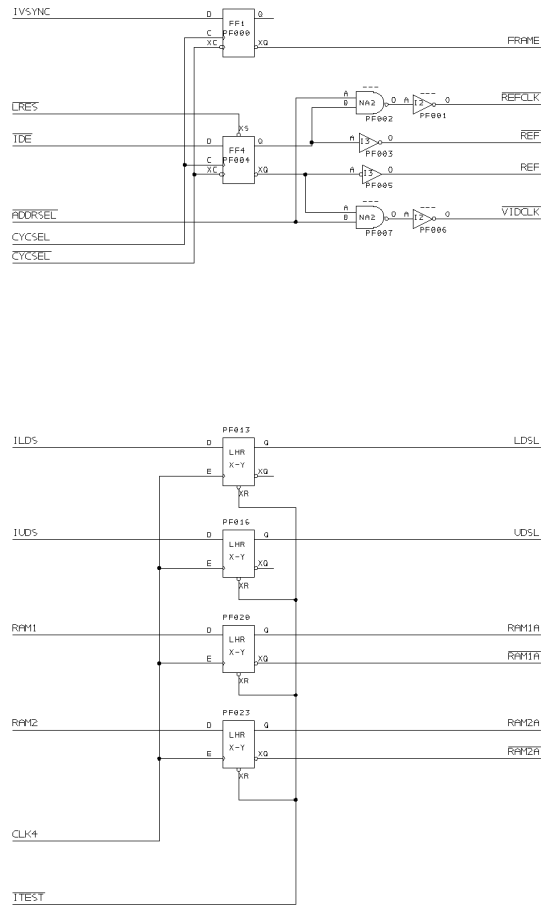


VIDEO REGISTERS			
AT&T CORPORATION			
1146 BORDEGAS AVE. SUNNYVALE, CA 94066			
ST MCU / GLUE COMBO			
SIZE	CODE	NUMBER	REV
D		TA-4081	A
ENGINEER: D. RENN			
DATE DEC. 8, 1987		SHEET 11 OF 28	



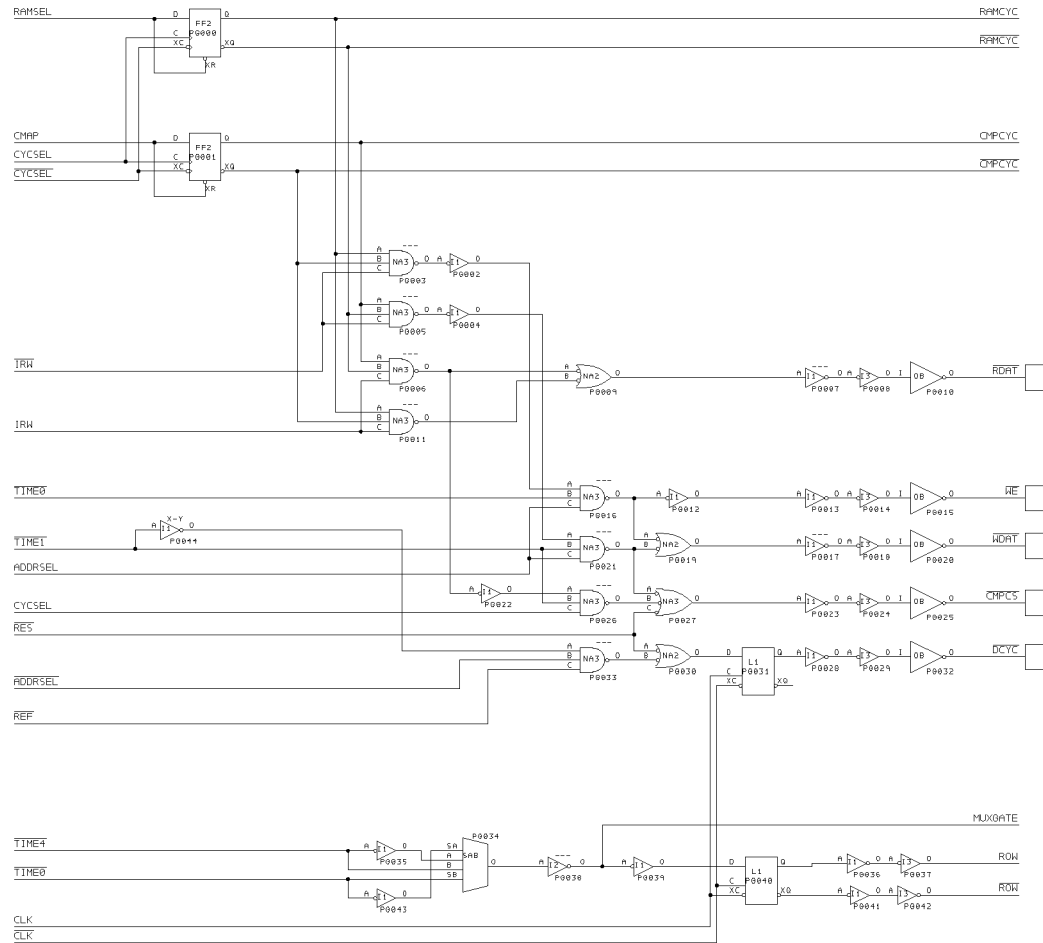






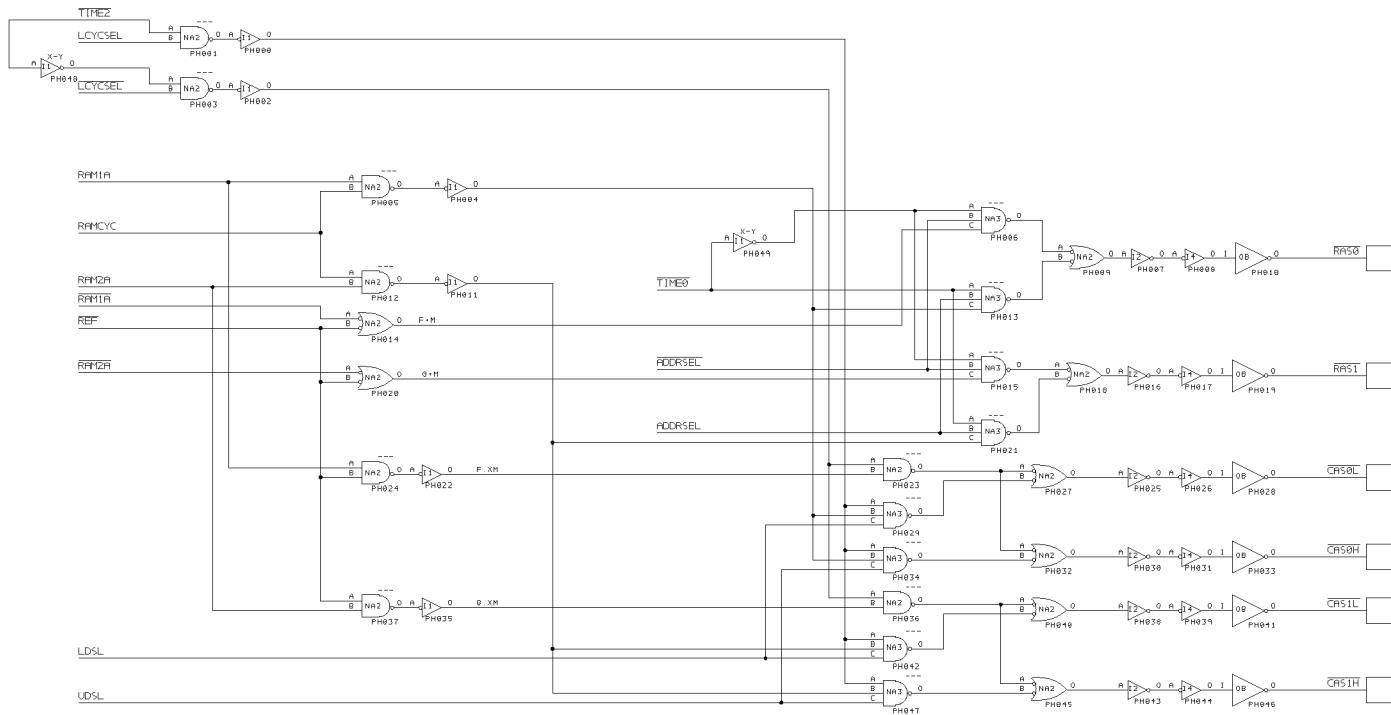
LAST REFERENCE: PF023

MCU CONTROL 1 OF 2			
AT&T CORPORATION			
1146 BORREAS AVE. SUNNYVALE, CA 94066			
ST MCU / GLUE COMBO			
SIZE	CODE	NUMBER	REV
D		TA-4081	A
ENGINEER: D. RENN			
DATE	DEC. 8, 1987	SHEET	15 OF 28



MCU CONTROL 2 OF 2			
AT&T CORPORATION			
1146 BORREAS AVE. SUNNYSIDE, CA 94086			
ST MCU / GLUE COMBO			
SIZE	CODE	NUMBER	REV
D		TA-4081	A
ENGINEER: D. RENN			
DATE	DEC. 8, 1987	SHEET	16 OF 28





LAST REFERENCE: PH049

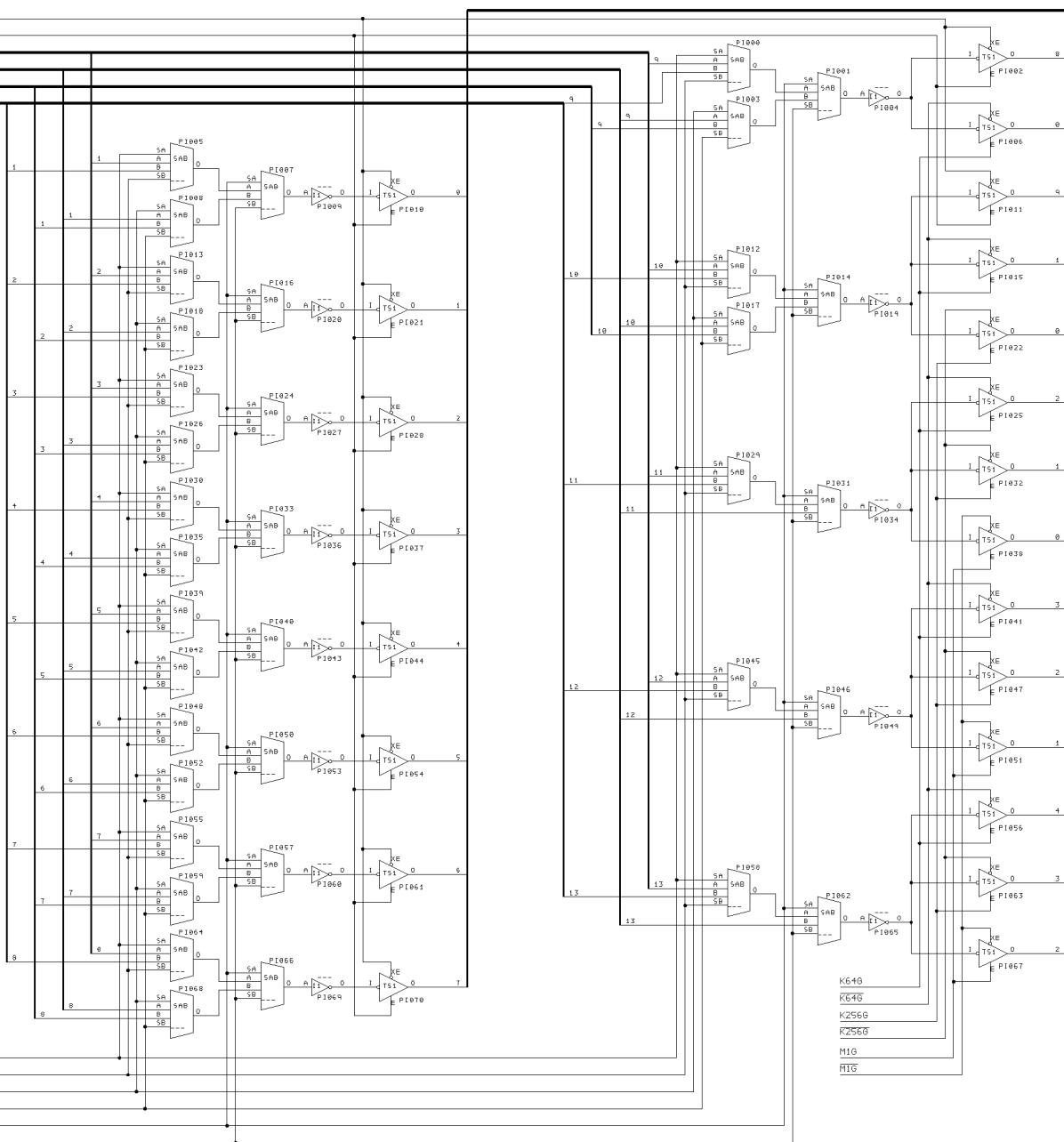
RAS/CAS GENERATOR			
AT&T CORPORATION			
1146 BORREAS AVE. SUNNYVALE, CA 94066			
ST MCU / OLUE COMBO			
SIZE	CODE	NUMBER: TA-4081	REV
D		ENGINEER: G. RENN	A
DATE	DEC. 8, 1987	SHEET 17 OF 28	

ROW  
DMA<13:1>  
VID<13:1>  
RA<13:1>  
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IXDMA  
IXDMA  
REF  
REF  
ADDRSEL  
ADDRSEL

LAST REFERENCE: P1070

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K2566  
M10  
M10

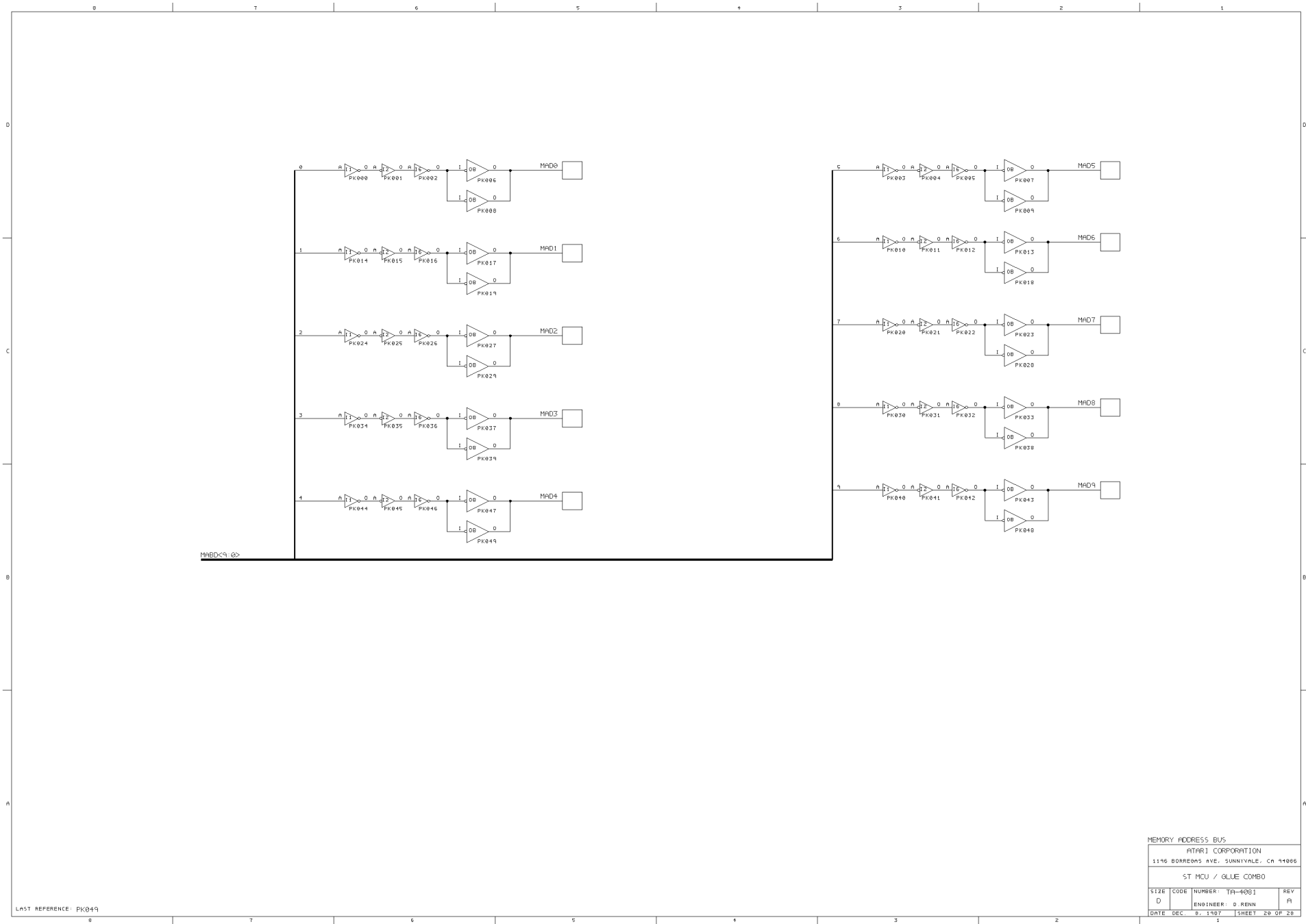
MEMORY ADDRESS MUX 1 OF 2			
AT&T CORPORATION			
1146 BORREAS AVE. SUNNYVALE, CA 94066			
ST MCU / OLUE COMBO			
SIZE	CODE	NUMBER	REV
D		TA-4081	A
ENGINEER		O. RENN	
DATE		DEC. 8, 1987	
		SHEET 10 OF 28	

IAC21-14>  
 VIO<21-14>  
 DMAC21-14>  
 IxDMA  
 IxDMA  
 ADDRSEL  
 ADDRSEL  
 K64G  
 R64G  
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 PITG

MEMOC9-2>  
 SADDRK21-17>

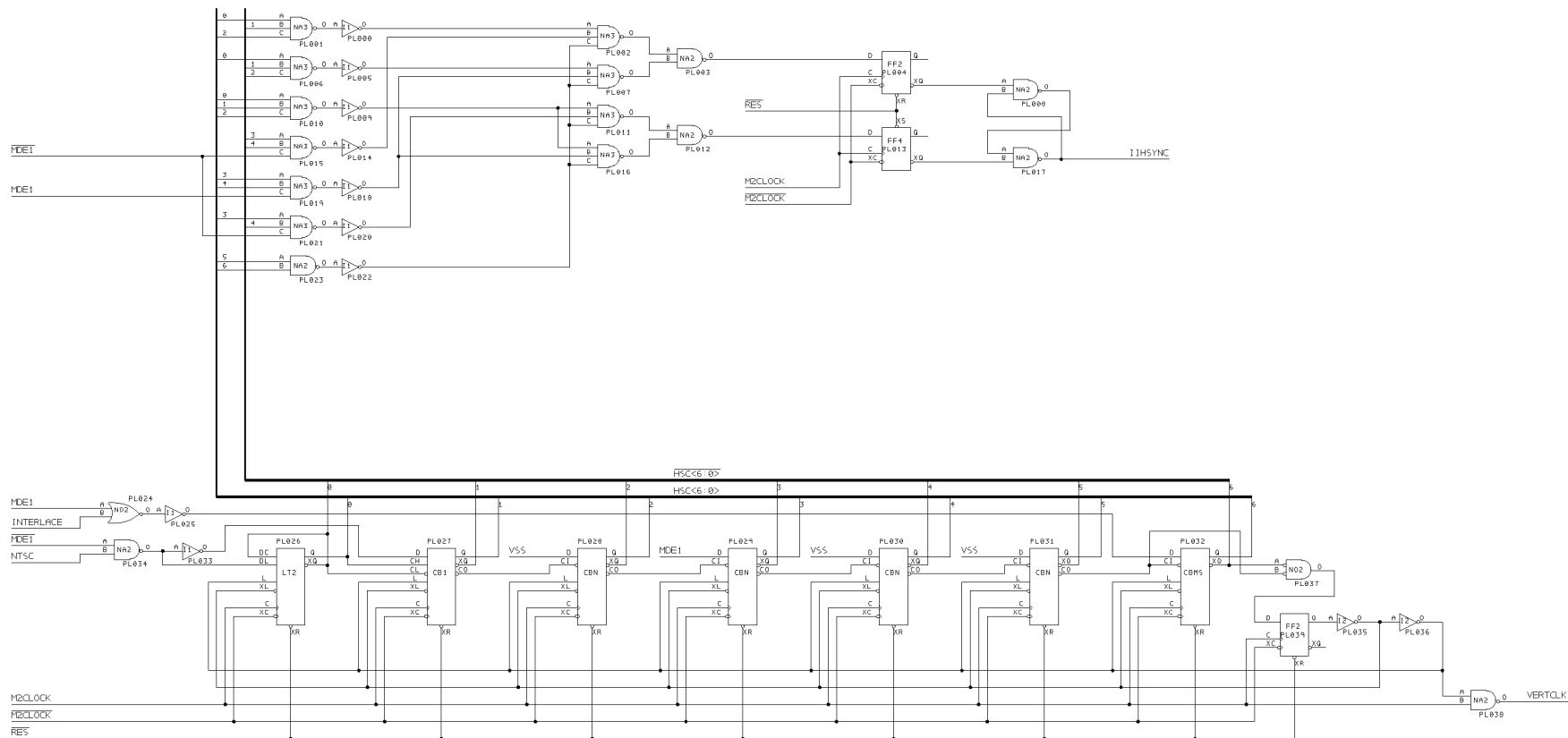
MEMORY ADDRESS MUX 2 OF 2			
AT&T CORPORATION			
1146 BORREANS AVE. SUNNYVALE, CA 94086			
ST MCU / GLUE COMBO			
SIZE	CODE	NUMBER	REV
D		TA-4081	A
ENGINEER: O. RENN			
DATE	DEC. 8, 1987	SHEET	14 OF 28

LAST REFERENCE: PJ041



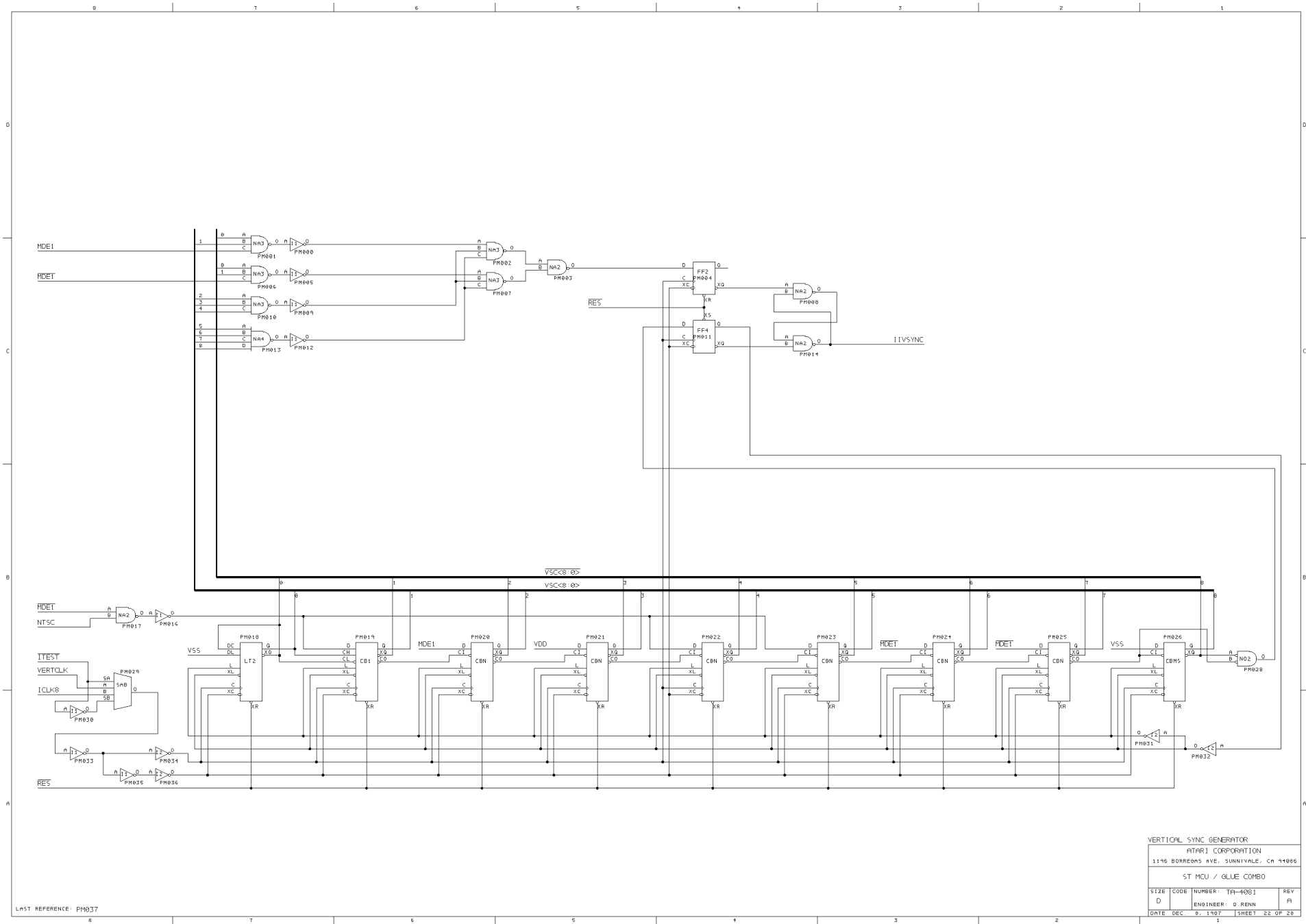
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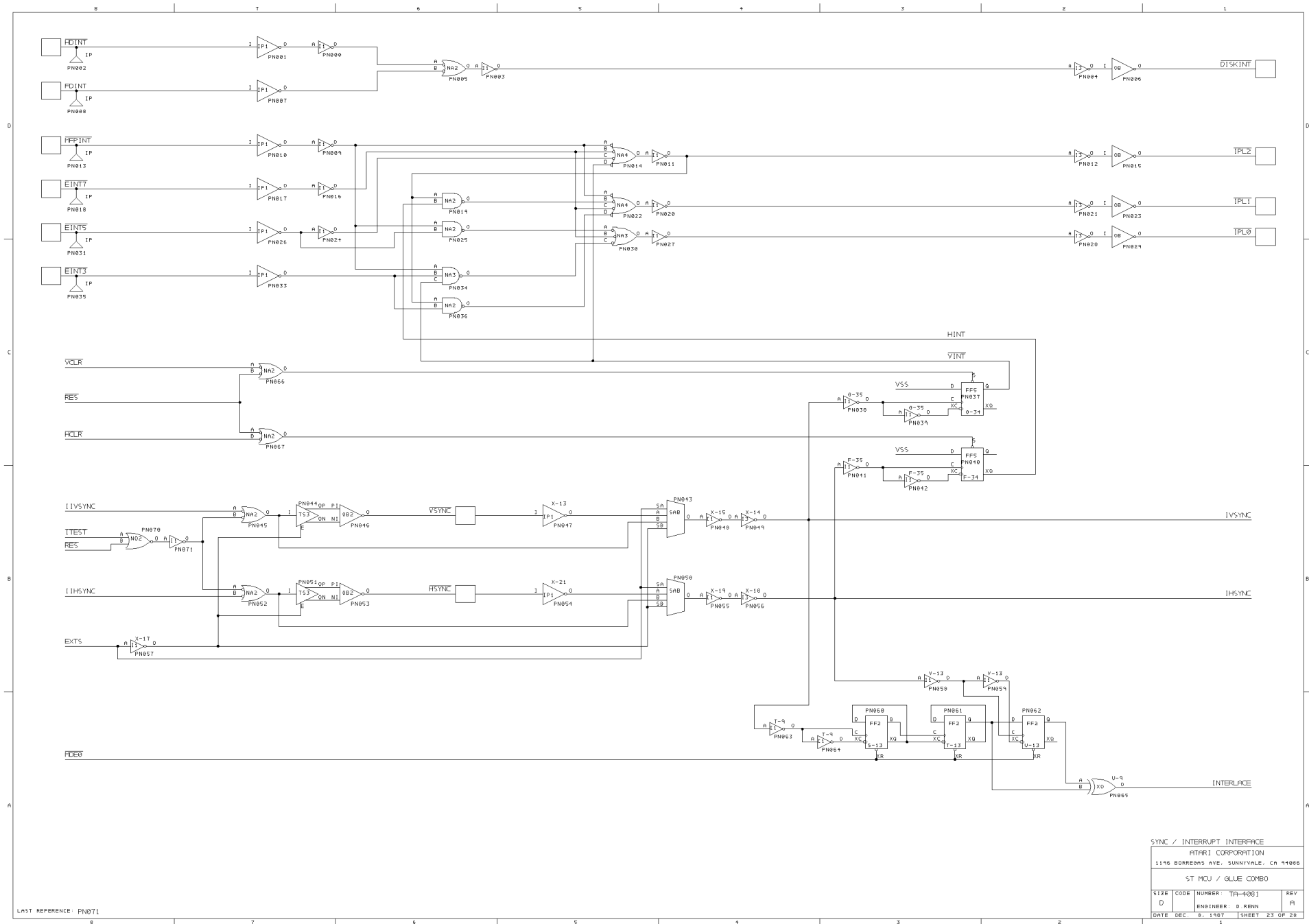
MEMORY ADDRESS BUS			
ATARI CORPORATION			
1146 BORREAS AVE. SUNNYSIDE, CA 94086			
ST MCU / GLUE COMBO			
SIZE	CODE	NUMBER	REV
D		ENGINEER: O. RENN	A
DATE	DEC. 8, 1987	SHEET 20 OF 28	



LAST REFERENCE: PL039

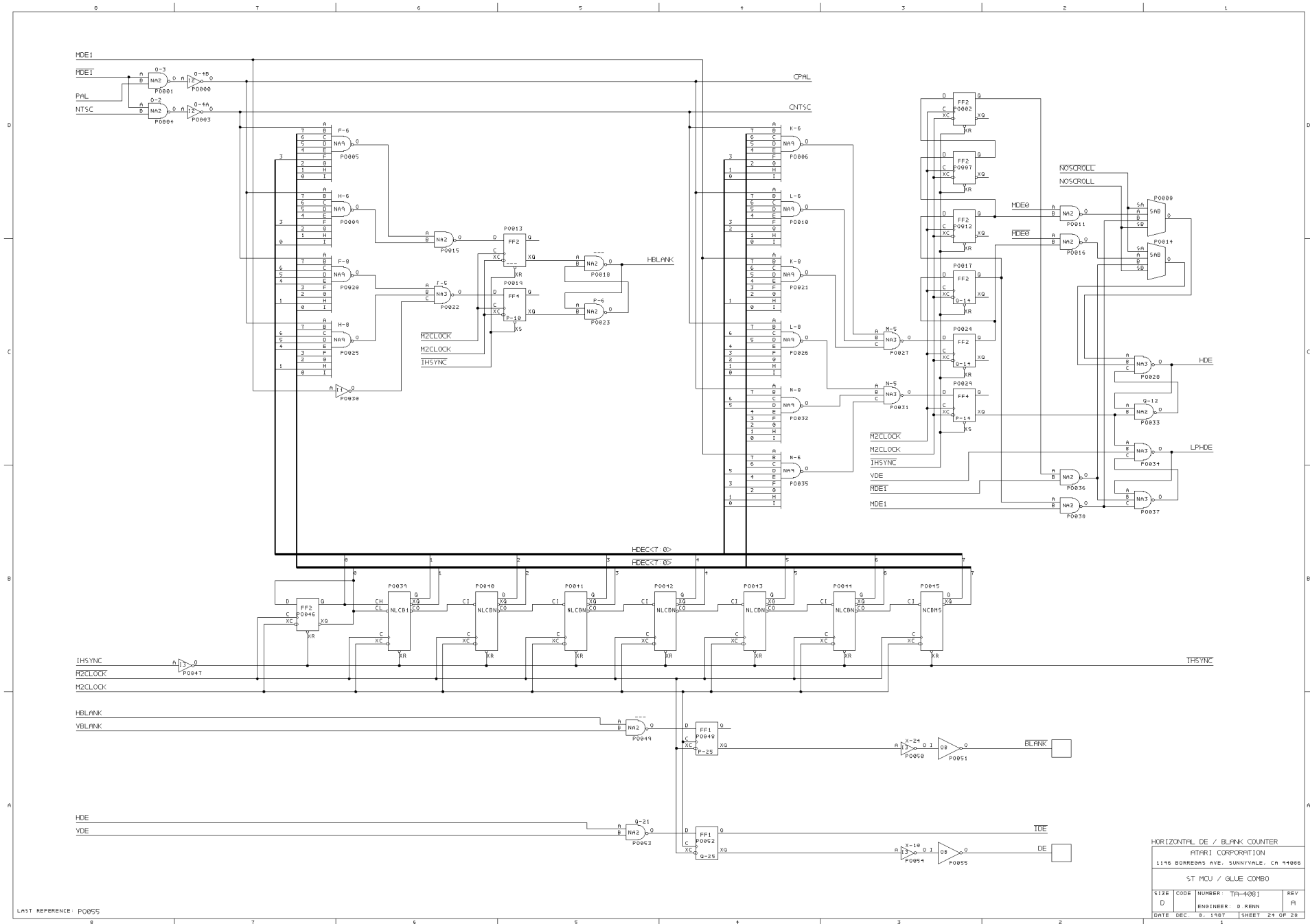
HORIZONTAL SYNC GENERATOR			
ATARI CORPORATION			
1146 BORREAS AVE. SUNNYVALE, CA 94086			
ST MCU / GLUE COMBO			
SIZE	CODE	NUMBER: TA-4081	REV
D		ENGINEER: D. RENN	A
DATE	DEC. 8, 1987	SHEET 21 OF 28	



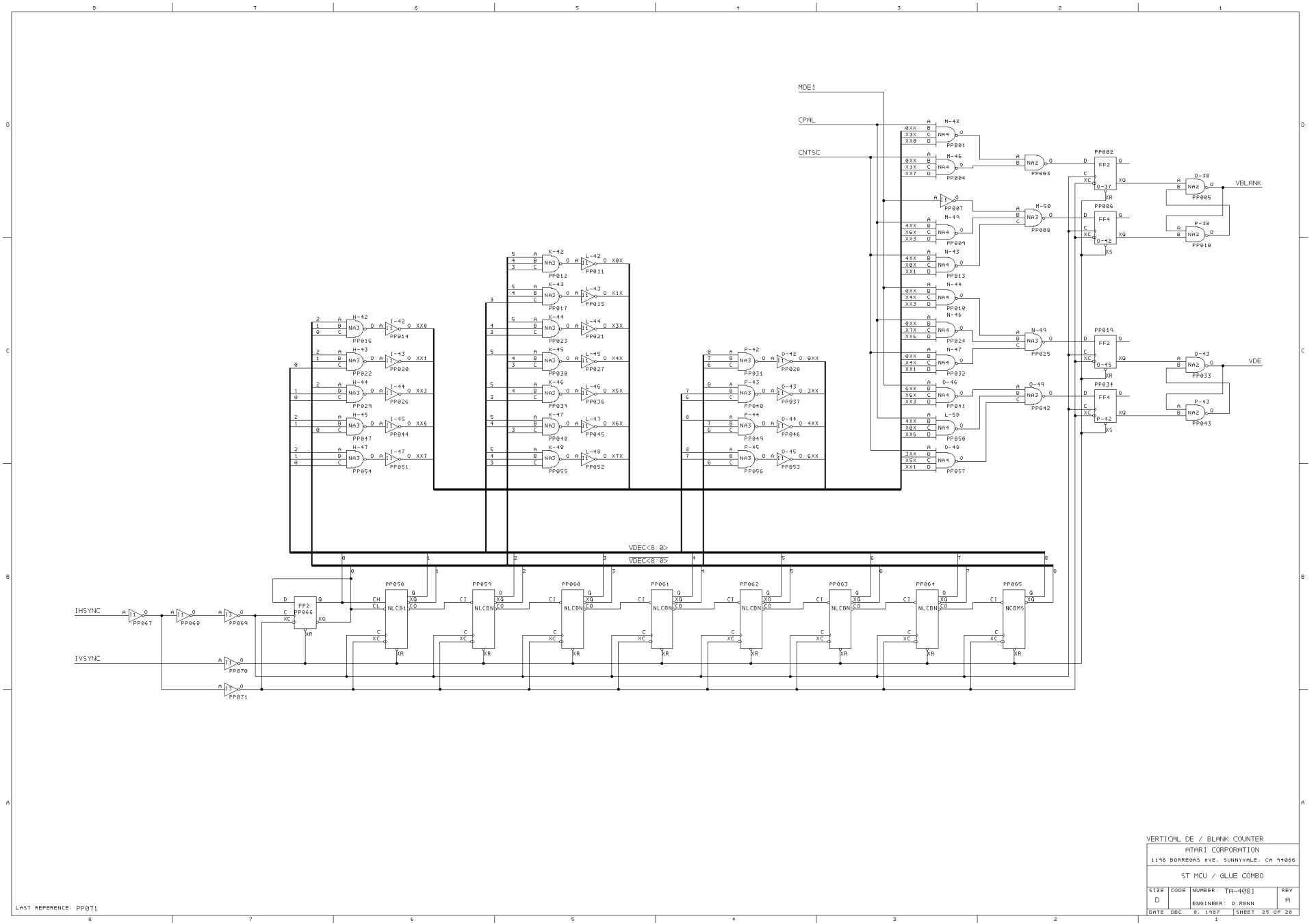


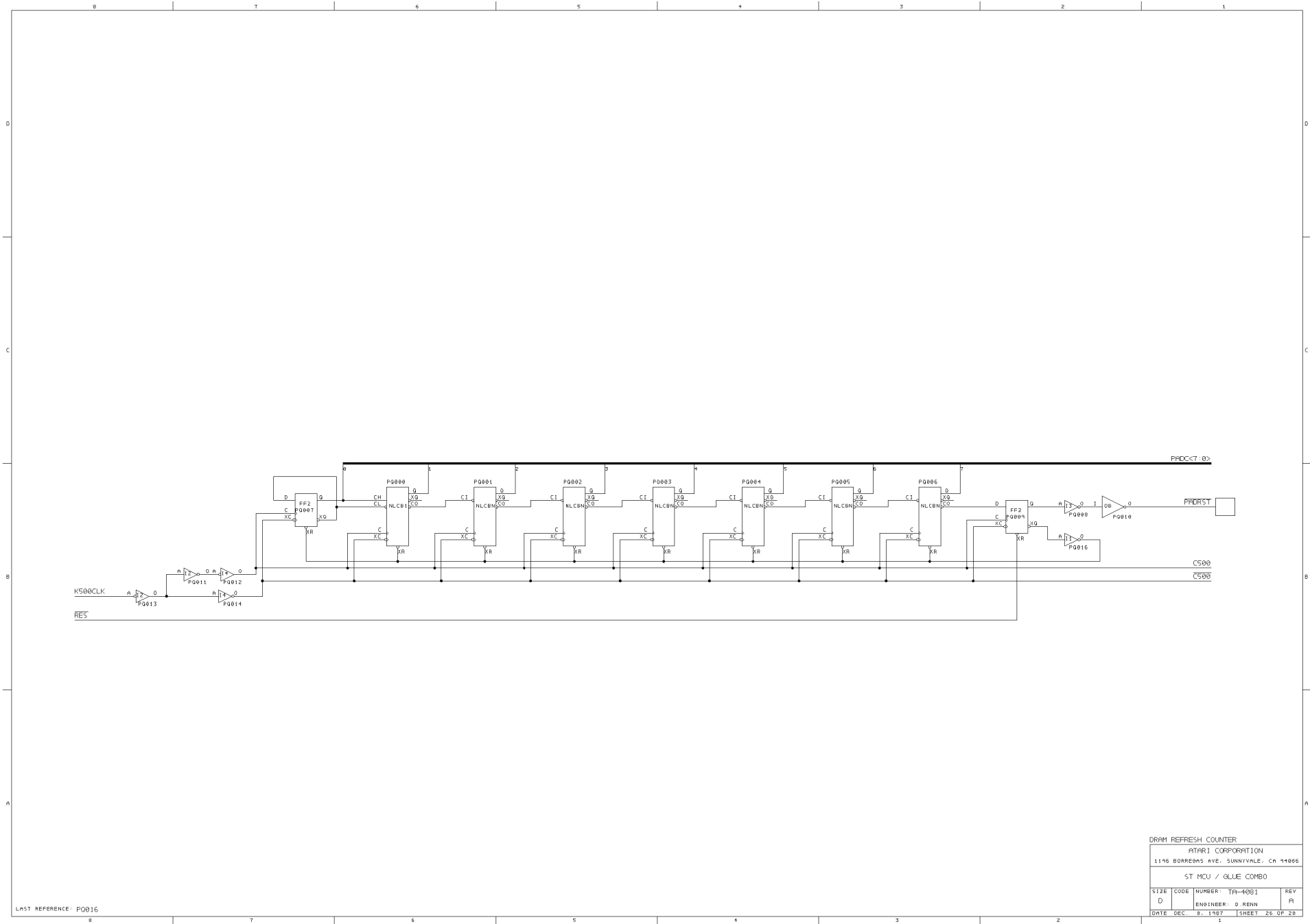
LAST REFERENCE: PN071

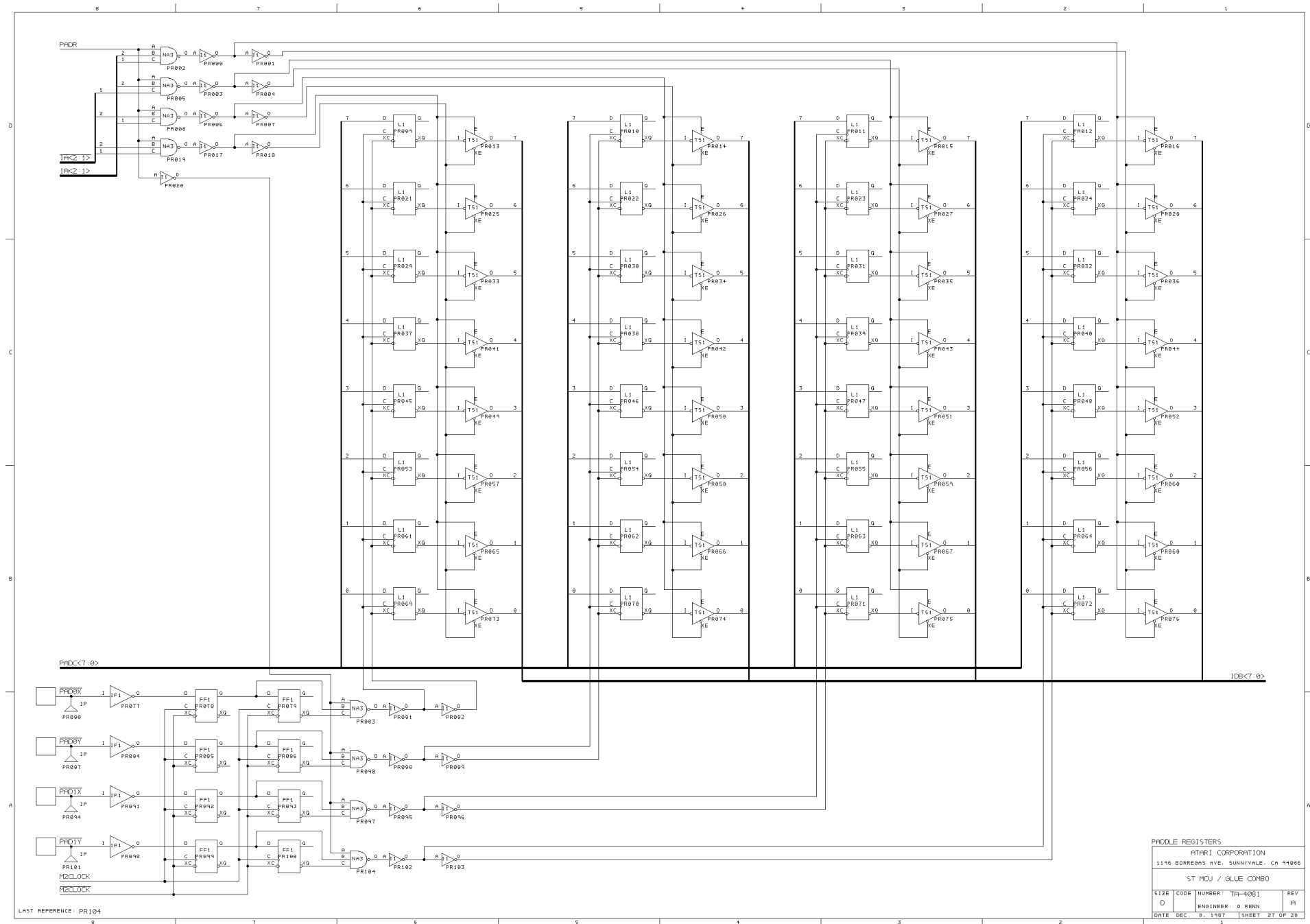
SYNC / INTERRUPT INTERFACE			
ATARI CORPORATION			
1146 BORDEGAS AVE. SUNNYSIDE, CA 94086			
ST MCU / GLUE COMBO			
SIZE	CODE	NUMBER	REV
D		TA-4081	A
ENGINEER:		O. RENN	
DATE	DEC. 8, 1987	SHEET 23 OF 28	

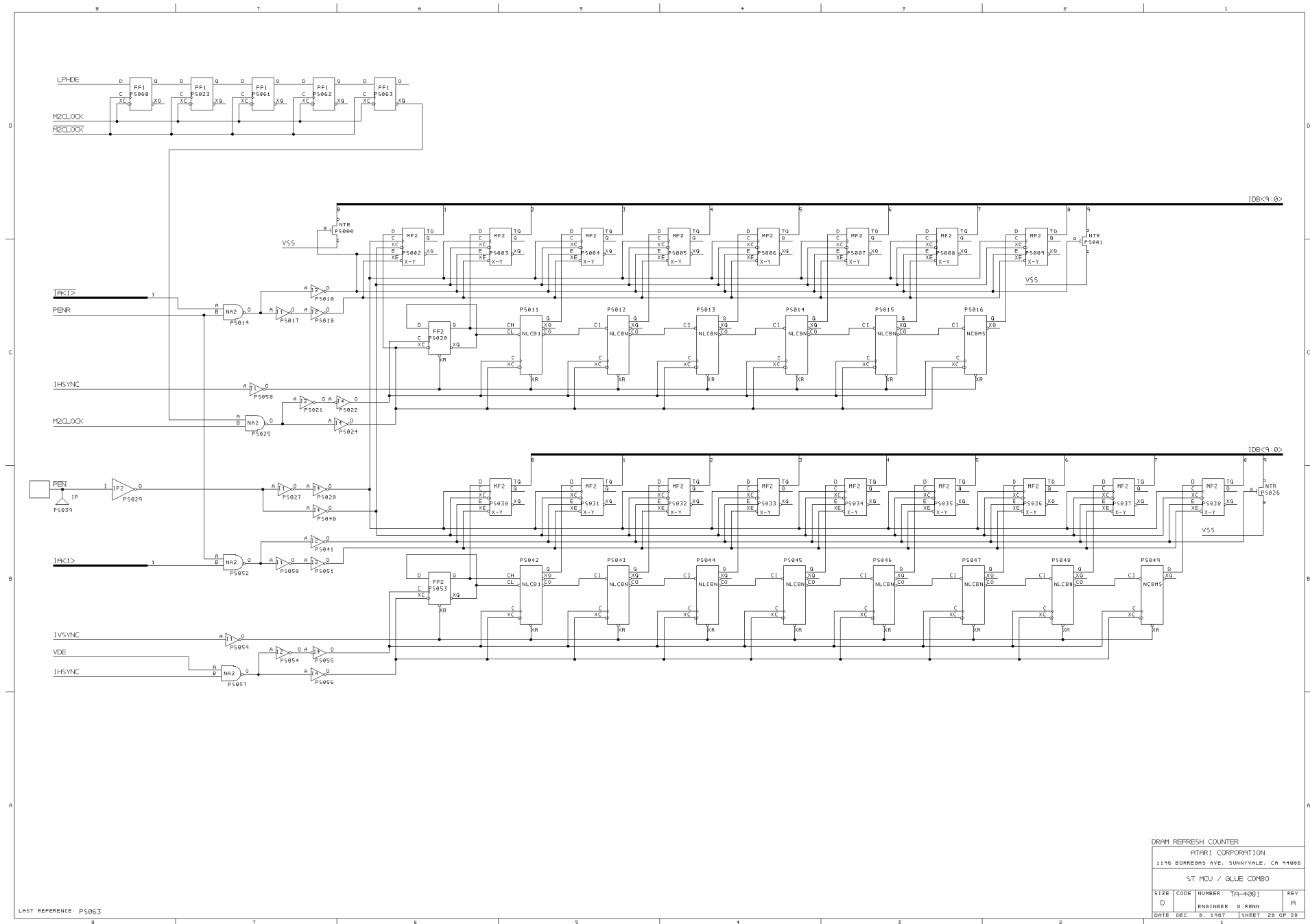


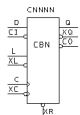
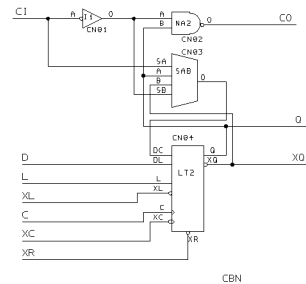
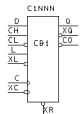
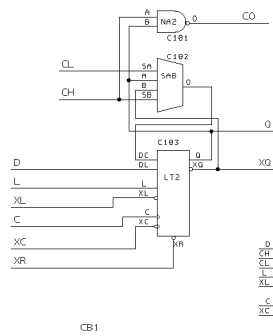
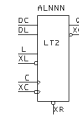
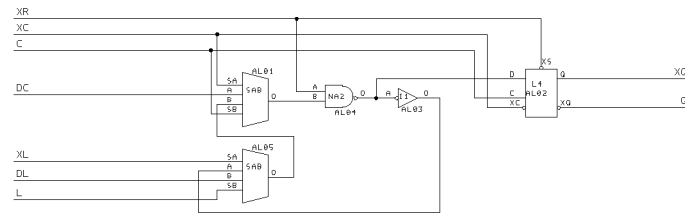


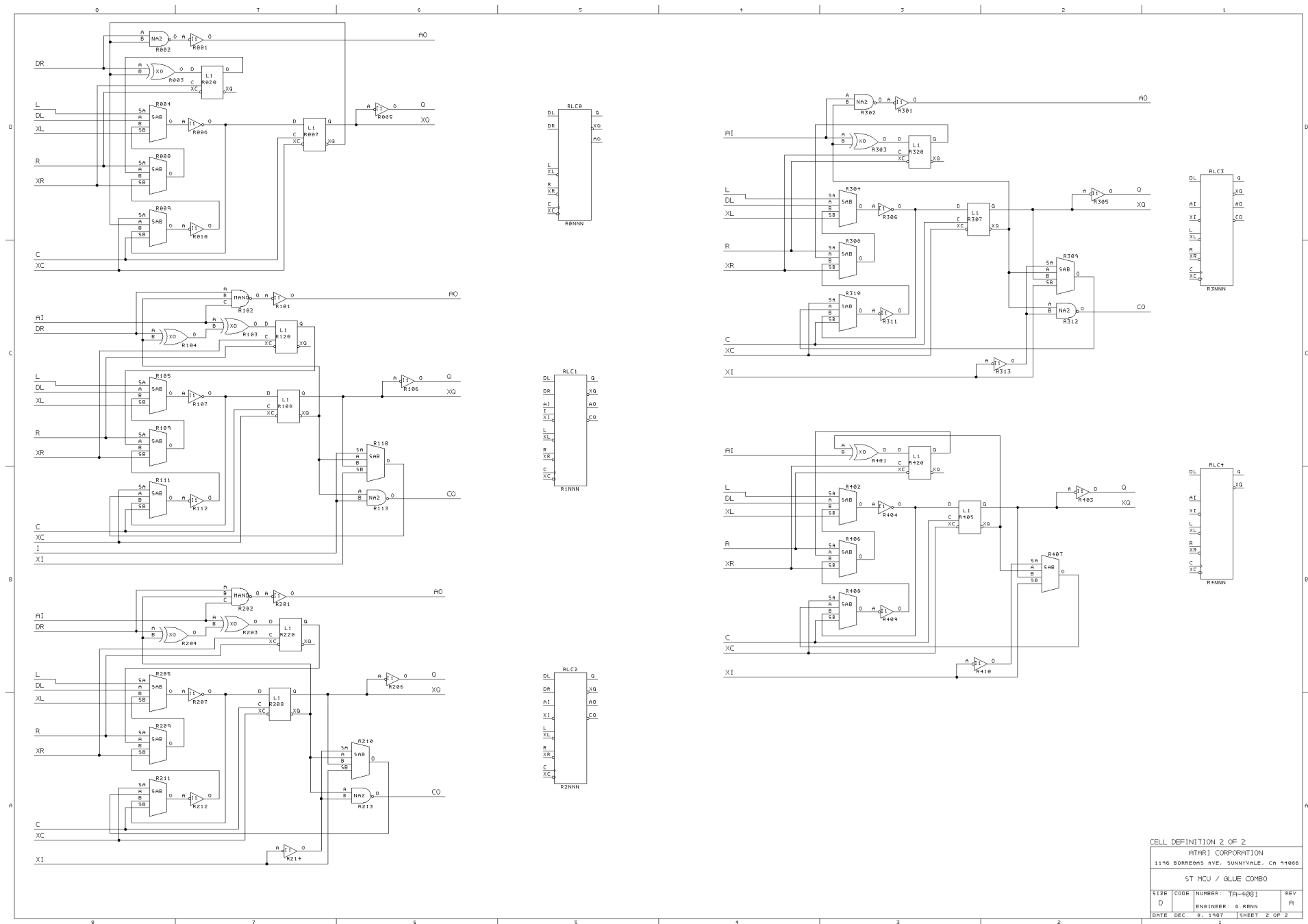




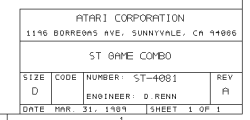


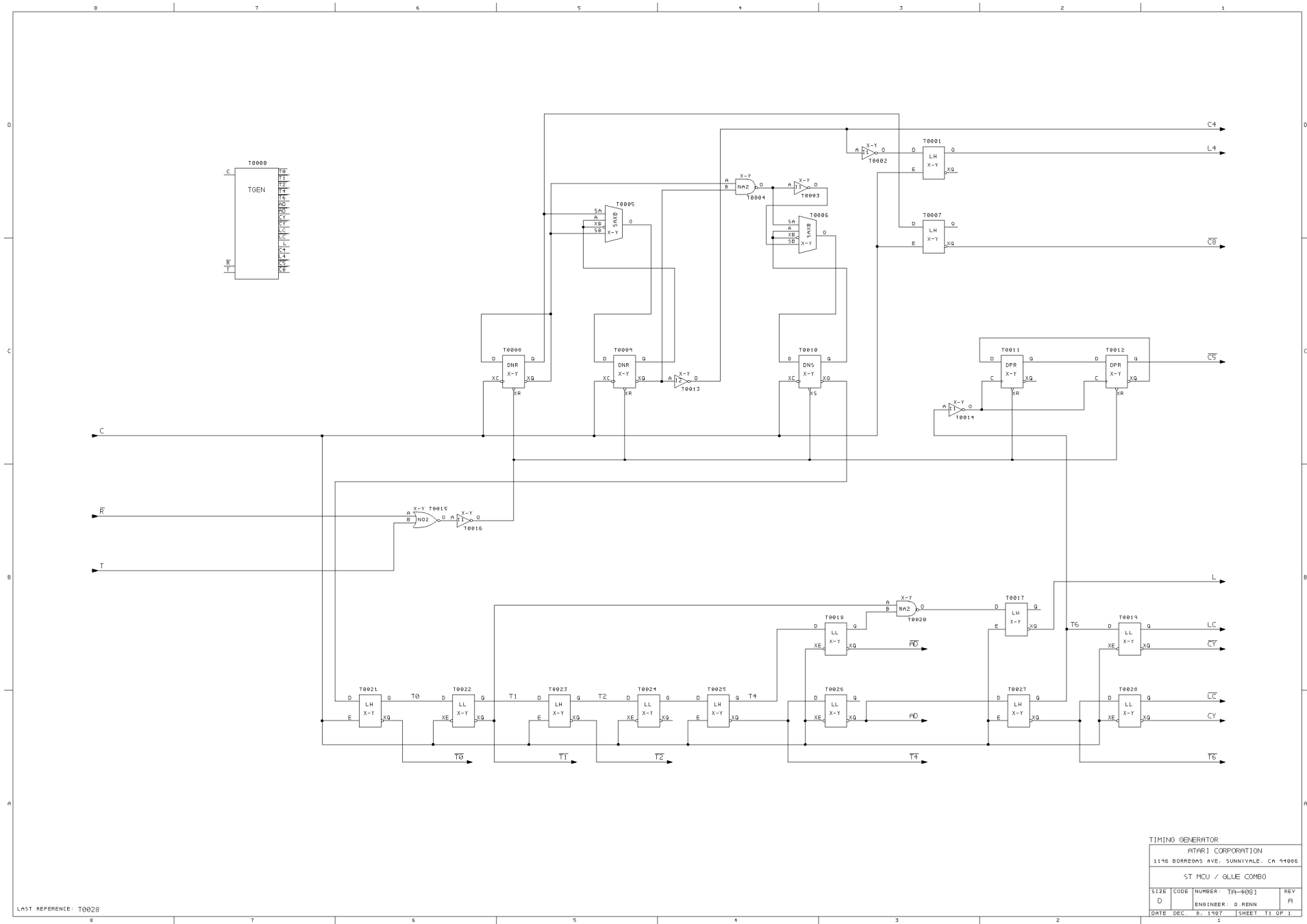






CELL DEFINITION 2 OF 2			
[AT&T] CORPORATION			
1146 BORREANS AVE. SUNNYVALE, Ca 94066			
ST MCU / GLUE COMBO			
SIZE	CODE	NUMBER: TA-4081	REV
D		ENGINEER: D. RENN	A
DATE	DEC. 8, 1987	SHEET 2 OF 2	

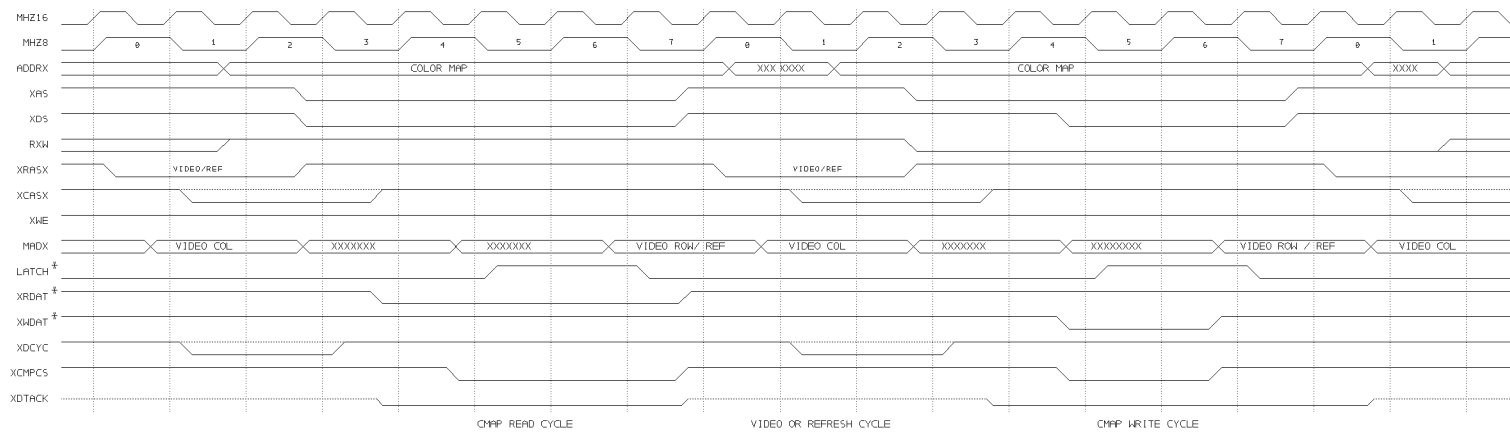
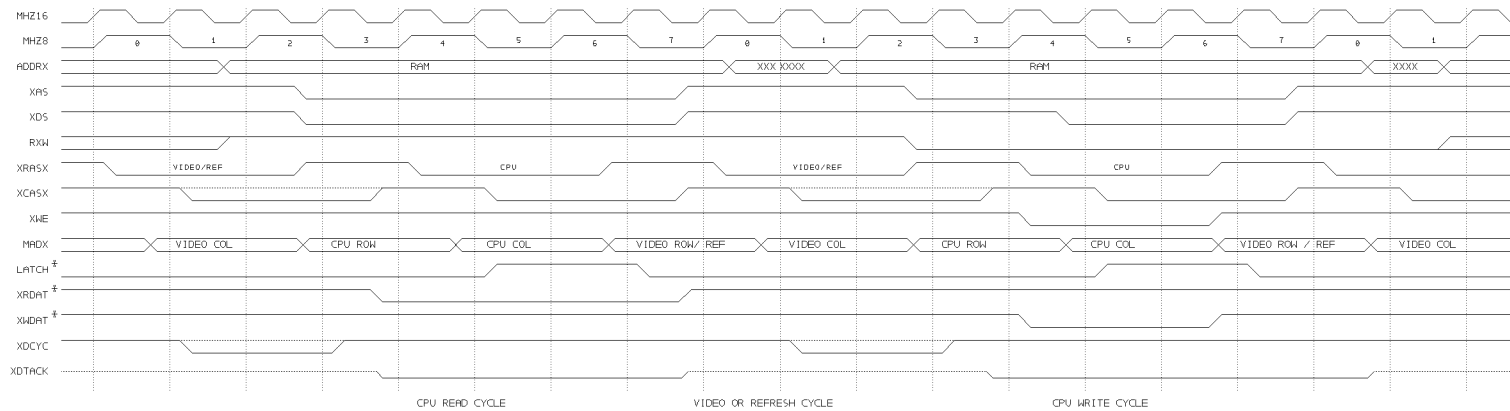




TIMING GENERATOR			
ATARI CORPORATION			
1146 BORREAS AVE. SUNNYVALE, CA 94086			
ST MCU / GLUE COMBO			
SIZE	CODE	NUMBER	REV
D		TA-4081	A
ENGINEER: D. RENN			
DATE	DEC. 8, 1987	SHEET	T1 OF 3

LAST REFERENCE: T0028





† OUTPUTS IN MODE 0 ONLY

TA-3001 ST CUSTOM MCU SYNCHRONOUS TIMING

REGISTER ACCESSES PRODUCE  
ASYNCHRONOUS OUTPUT ON  
XDACK AND D0-D7.

ATARI CORPORATION				
1196 BORREAS, SUNNYVALE, CA 94086				
TITLE: ST CUSTOM MCU TIMING				
CUSTOMER: INTERNAL				
SIZE	CODE	NUMBER	TA-3001	REV
D		ENGINEER:	JOHN HORTON	A
DATE		MAY 18, 1987		SHEET 1 OF 1