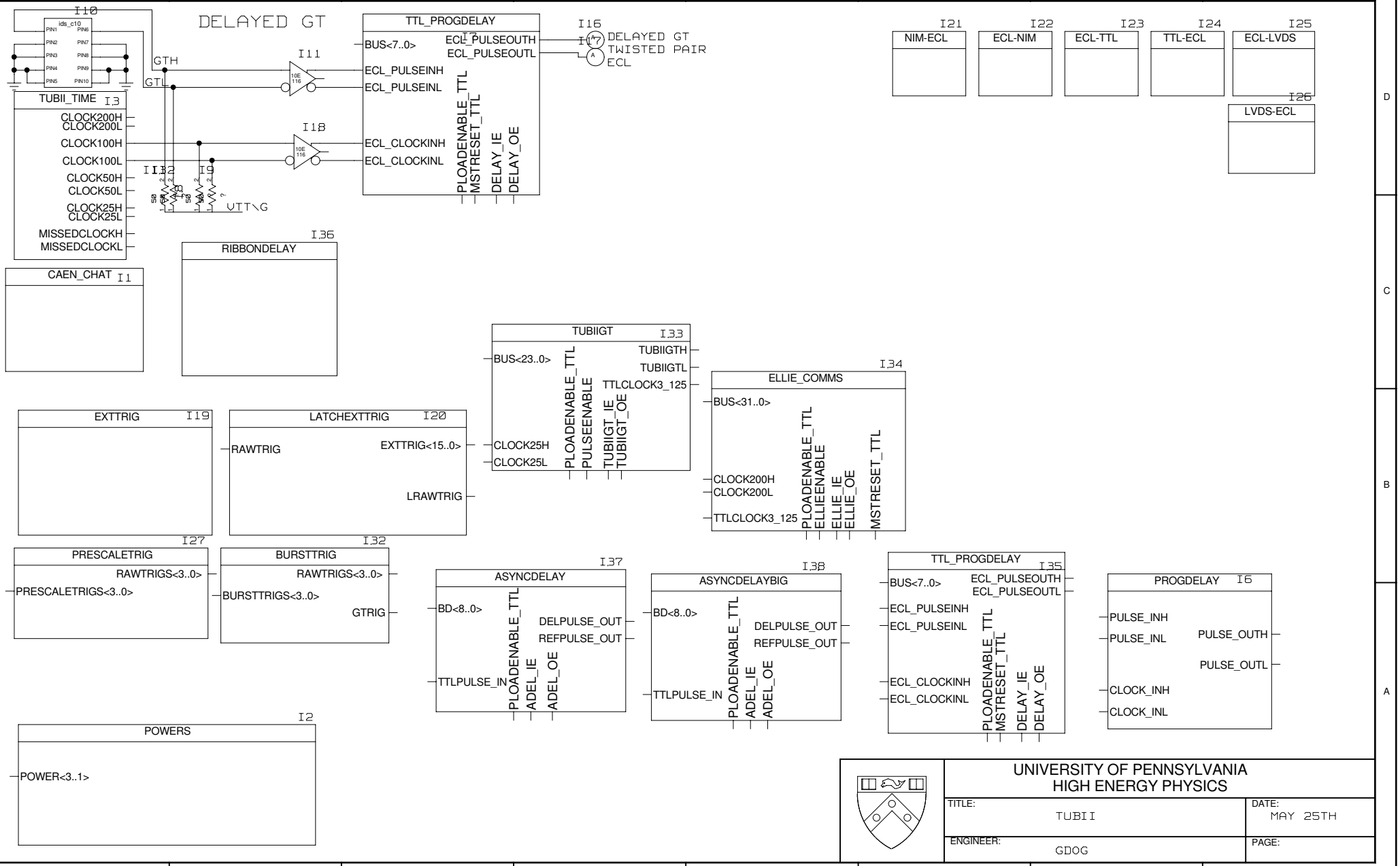
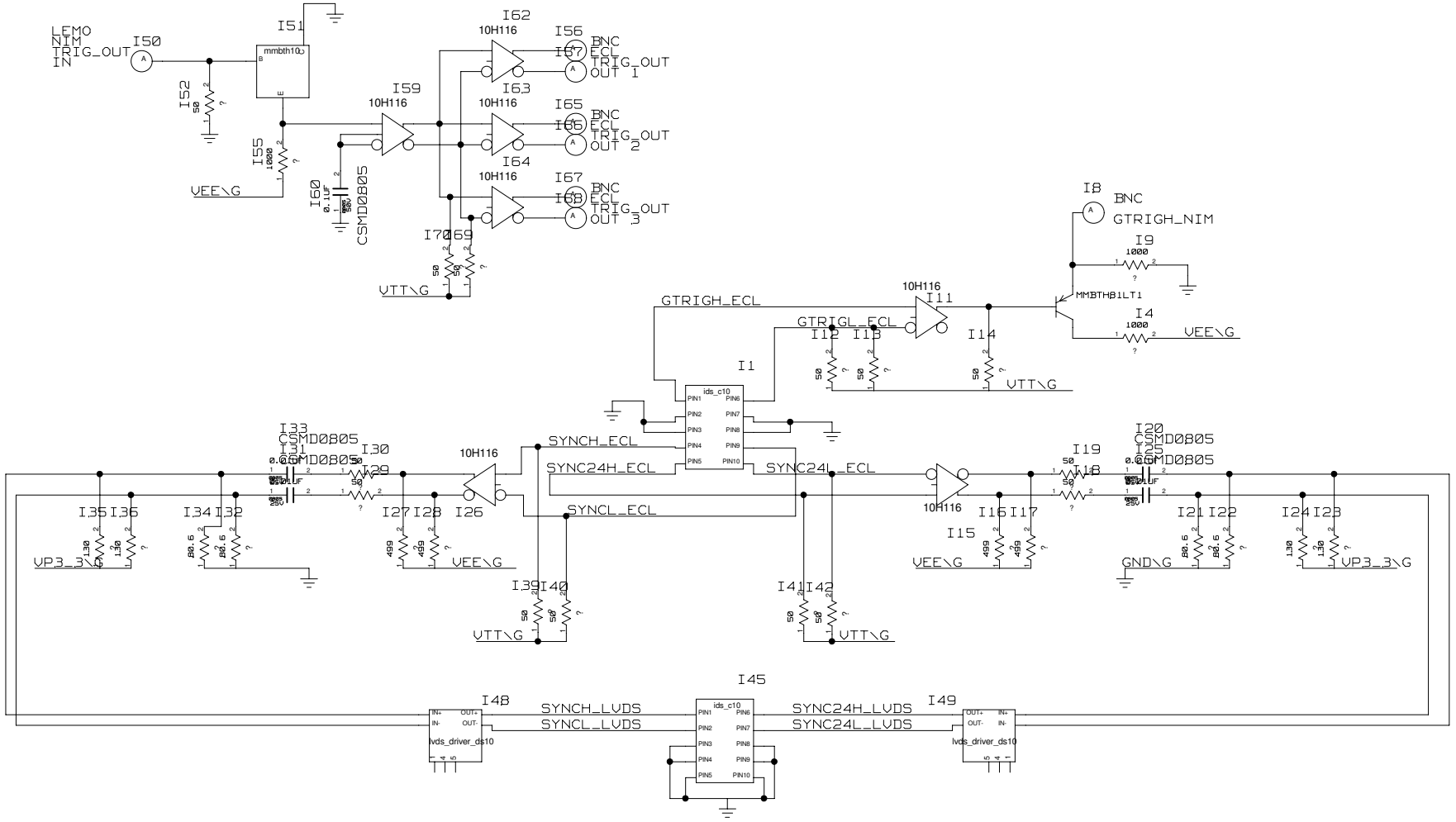
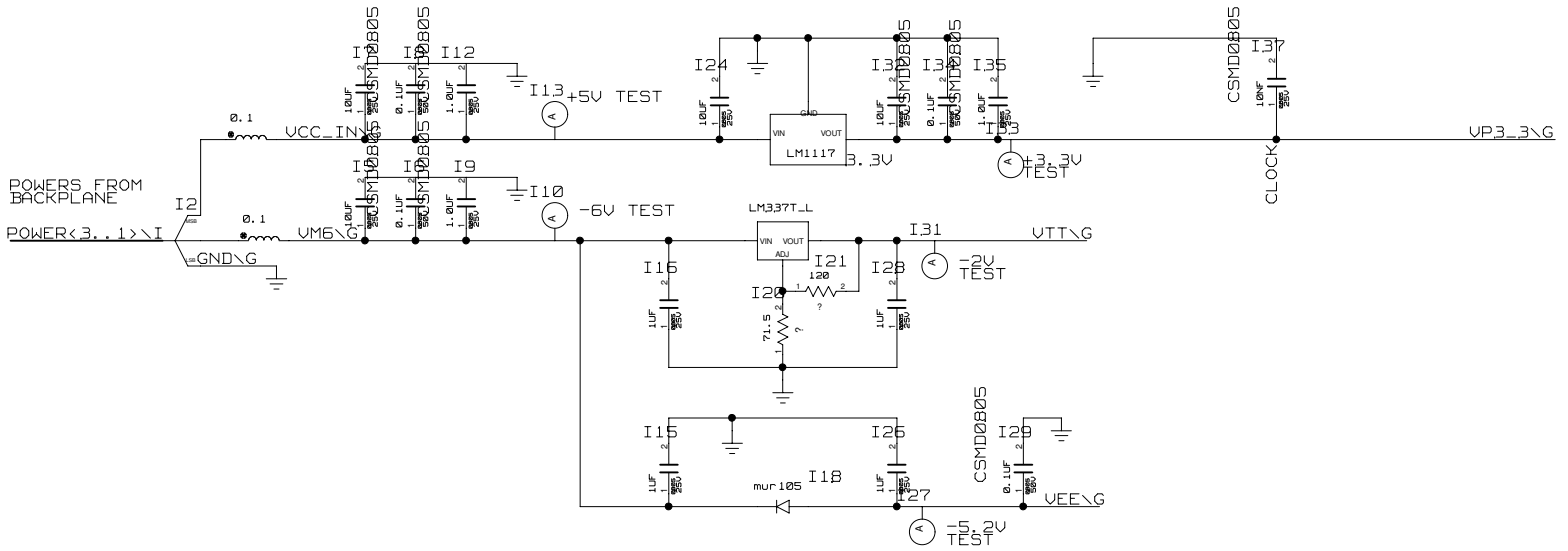

DELAYED GT
I10
ids_c10
PIN1
PIN2
PIN3
PIN4
PIN5
PIN6
PIN7
PIN8
PIN9
PIN10
GTH
GTL
I11
10E
116
TUBII_TIME
I3
CLOCK200H
CLOCK200L
CLOCK100H
CLOCK100L
CLOCK50H
CLOCK50L
CLOCK25H
CLOCK25L
MISSEDCLOCKH
MISSEDCLOCKL
I18
I12
I19
VTTXG
TTL_PROGDELAY
I17
BUS<7..0>
ECL_PULSEOUTH
ECL_PULSEOUTL
ECL_PULSEINH
ECL_PULSEINL
ECL_CLOCKINH
ECL_CLOCKINL
PLOADENABLE_TTL
MSTRESET_TTL
DELAY_IE
DELAY_OE
I16
DELAYED GT
TWISTED PAIR
ECL
I21
NIM-ECL
I22
ECL-NIM
I23
ECL-TTL
I24
TTL-ECL
I25
ECL-LVDS
I26
LVDS-ECL
CAEN_CHAT
I1
RIBBONDELAY
I36
TUBIIGT
I33
BUS<23..0>
TUBIIGTH
TUBIIGTL
TTLCLOCK3_125
CLOCK25H
CLOCK25L
PLOADENABLE_TTL
PULSEENABLE
TUBIIGT_IE
TUBIIGT_OE
ELLIE_COMMS
I34
BUS<31..0>
CLOCK200H
CLOCK200L
TTLCLOCK3_125
PLOADENABLE_TTL
ELLIEENABLE
ELLIE_IE
ELLIE_OE
MSTRESET_TTL
EXTTRIG
I19
LATCHEXTTRIG
I20
RAWTRIG
EXTTRIG<15..0>
LRAWTRIG
CLOCK25H
CLOCK25L
PRESCALETRIG
I27
RAWTRIGS<3..0>
PRESCALETRIGS<3..0>
BURSTTRIG
I32
RAWTRIGS<3..0>
BURSTTRIGS<3..0>
GTRIG
ASYNCDELAY
I37
BD<8..0>
TTLPULSE_IN
PLOADENABLE_TTL
ADEL_IE
ADEL_OE
DELPULSE_OUT
REFPULSE_OUT
ASYNCDELAYBIG
I38
BD<8..0>
TTLPULSE_IN
PLOADENABLE_TTL
ADEL_IE
ADEL_OE
DELPULSE_OUT
REFPULSE_OUT
TTL_PROGDELAY
I35
BUS<7..0>
ECL_PULSEOUTH
ECL_PULSEOUTL
ECL_PULSEINH
ECL_PULSEINL
ECL_CLOCKINH
ECL_CLOCKINL
PLOADENABLE_TTL
MSTRESET_TTL
DELAY_IE
DELAY_OE
PROGDELAY
I6
PULSE_INH
PULSE_INL
CLOCK_INH
CLOCK_INL
PULSE_OUTH
PULSE_OUTL
POWERS
I2
POWER<3..1>
UNIVERSITY OF PENNSYLVANIA
HIGH ENERGY PHYSICS
TITLE:
TUBII
DATE:
MAY 25TH
ENGINEER:
GDOG
PAGE:

CAEN CONVERSATIONS

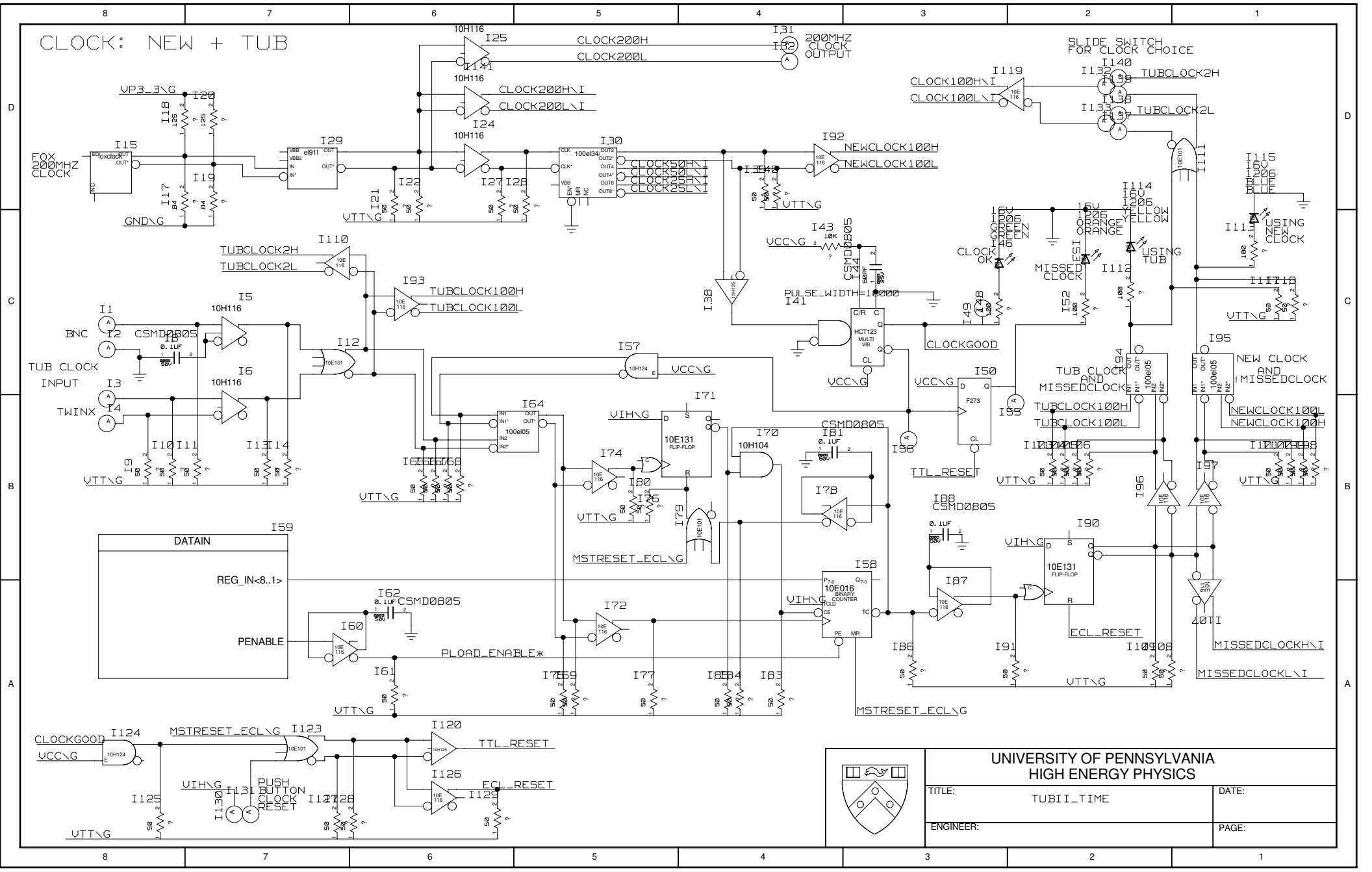


UNIVERSITY OF PENNSYLVANIA HIGH ENERGY PHYSICS	
TITLE:	DATE:
ENGINEER:	PAGE:

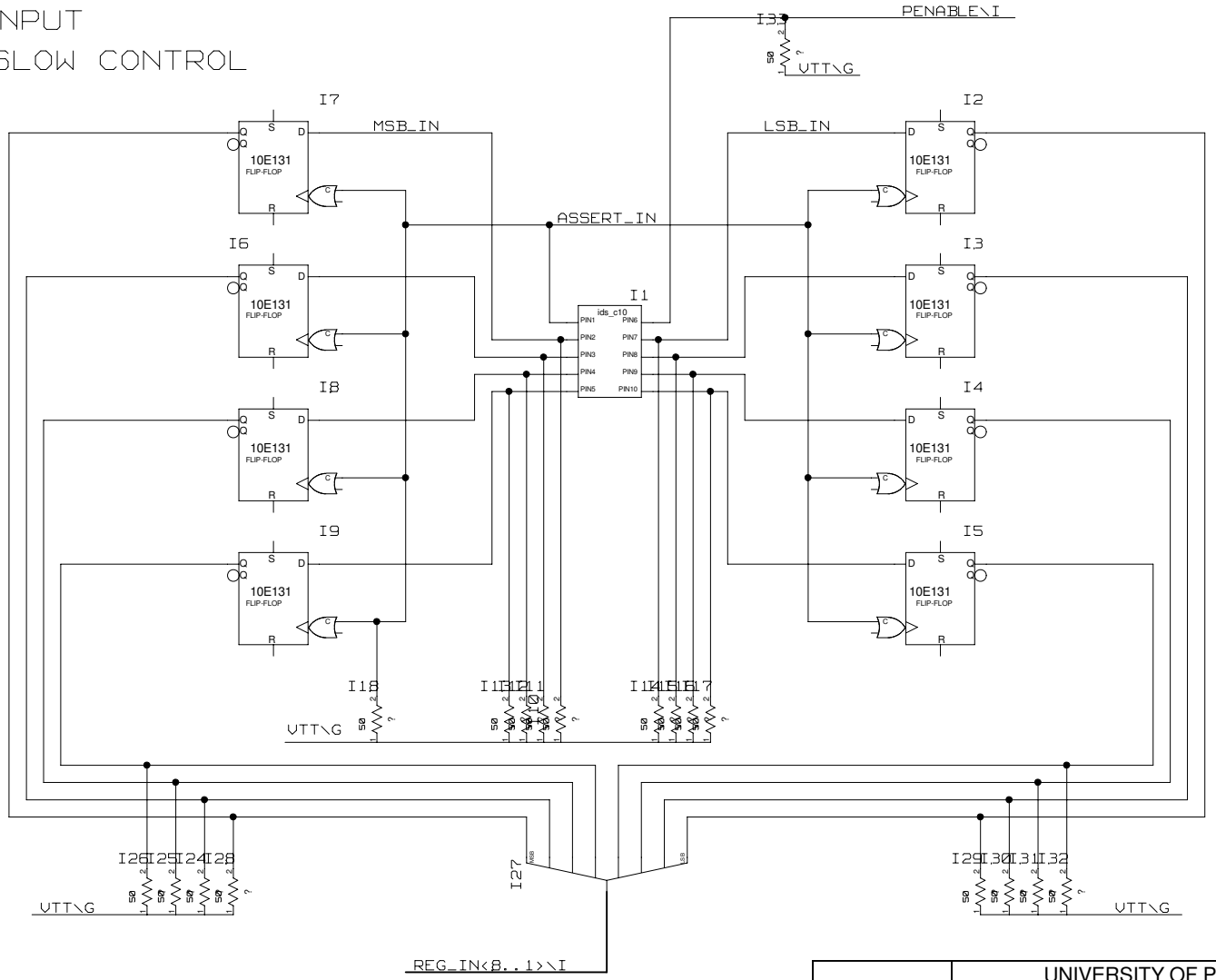


UNIVERSITY OF PENNSYLVANIA
HIGH ENERGY PHYSICS

TITLE:	DATE:
ENGINEER:	PAGE:

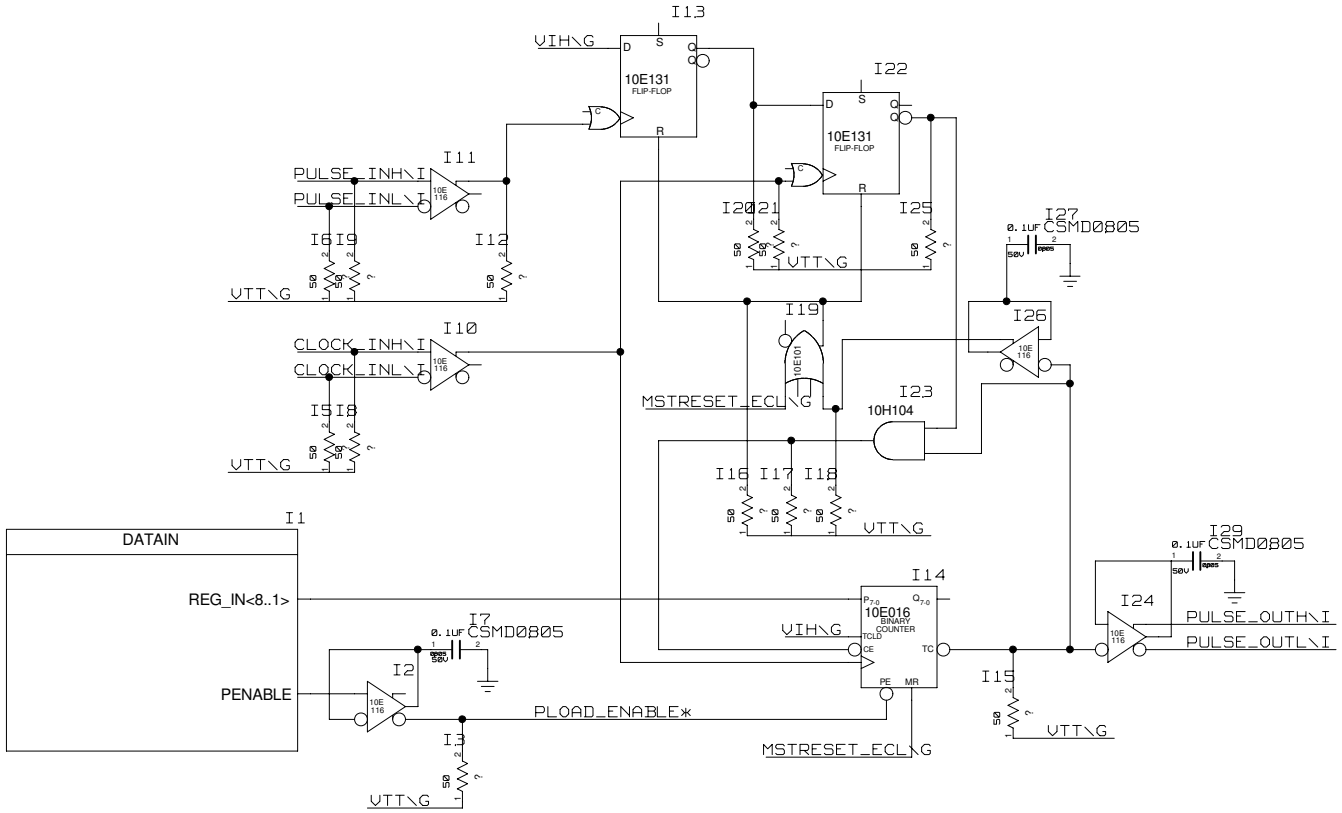

CLOCK: NEW + TUB
FOX 200MHZ CLOCK
BNC
TUB CLOCK INPUT
TWINX
200MHZ CLOCK OUTPUT
CLOCK200H
CLOCK200L
CLOCK200H\I
CLOCK200L\I
CLOCK50H\I
CLOCK50L\I
CLOCK25H\I
CLOCK25L\I
NEWCLOCK100H
NEWCLOCK100L
TUBCLOCK2H
TUBCLOCK2L
TUBCLOCK100H
TUBCLOCK100L
SLIDE SWITCH FOR CLOCK CHOICE
CLOCK100H\I
CLOCK100L\I
CLOCKGOOD
PULSE_WIDTH=10000
TTL_RESET
ECL_RESET
MSTRESET_ECL\G
PLOAD_ENABLE*
REG_IN<8..1>
PENABLE
DATAIN
PUSH BUTTON CLOCK RESET
TUB CLOCK AND MISSEDCLOCK
NEW CLOCK AND MISSEDCLOCK
MISSEDCLOCKH\I
MISSEDCLOCKL\I
CLOCK OK
MISSED CLOCK
USING TUB
USING NEW CLOCK
VTT\G
VCC\G
VIH\G
GND\G
VP3_3\G
UNIVERSITY OF PENNSYLVANIA
HIGH ENERGY PHYSICS
TITLE: TUBII_TIME
DATE:
ENGINEER:
PAGE:

DATA INPUT
FROM EG SLOW CONTROL

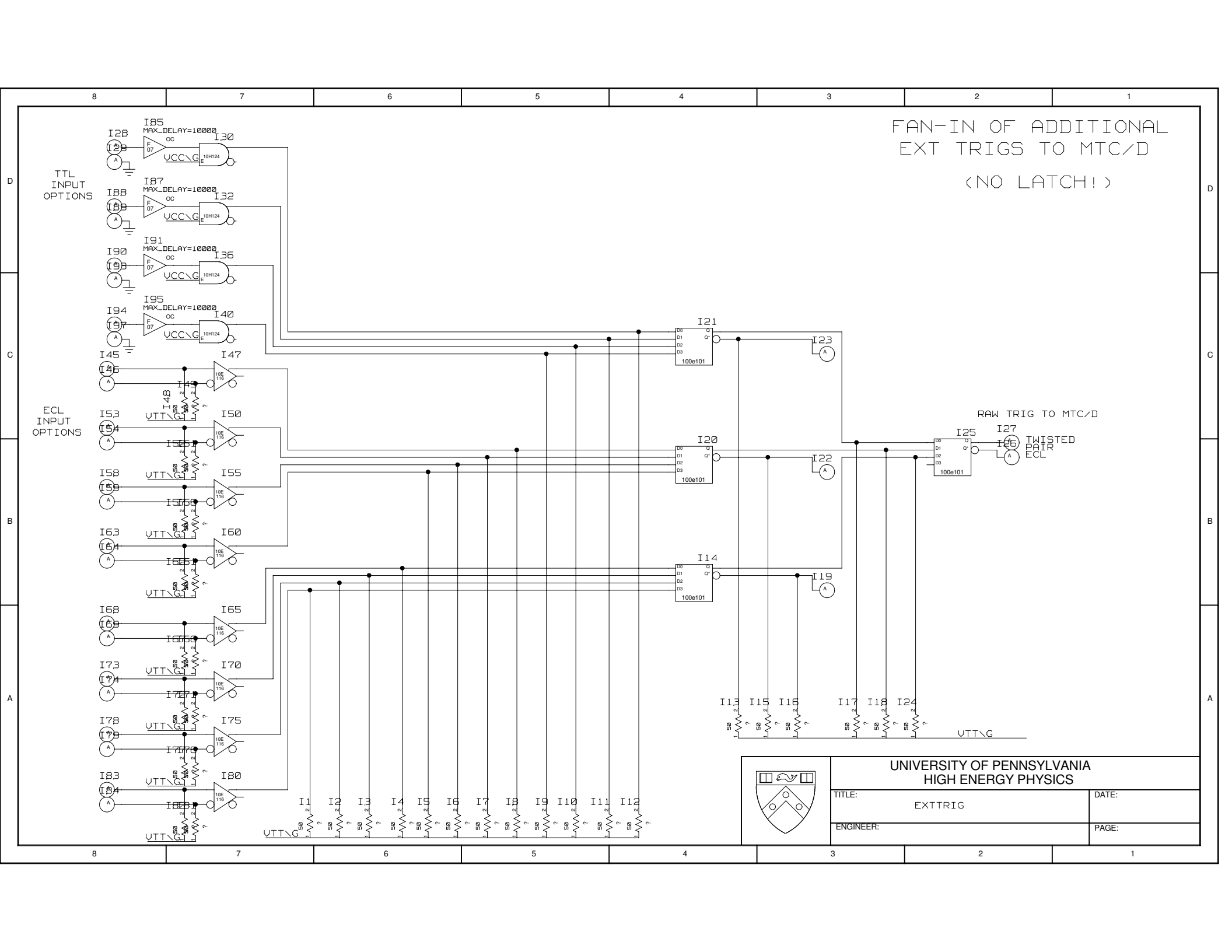


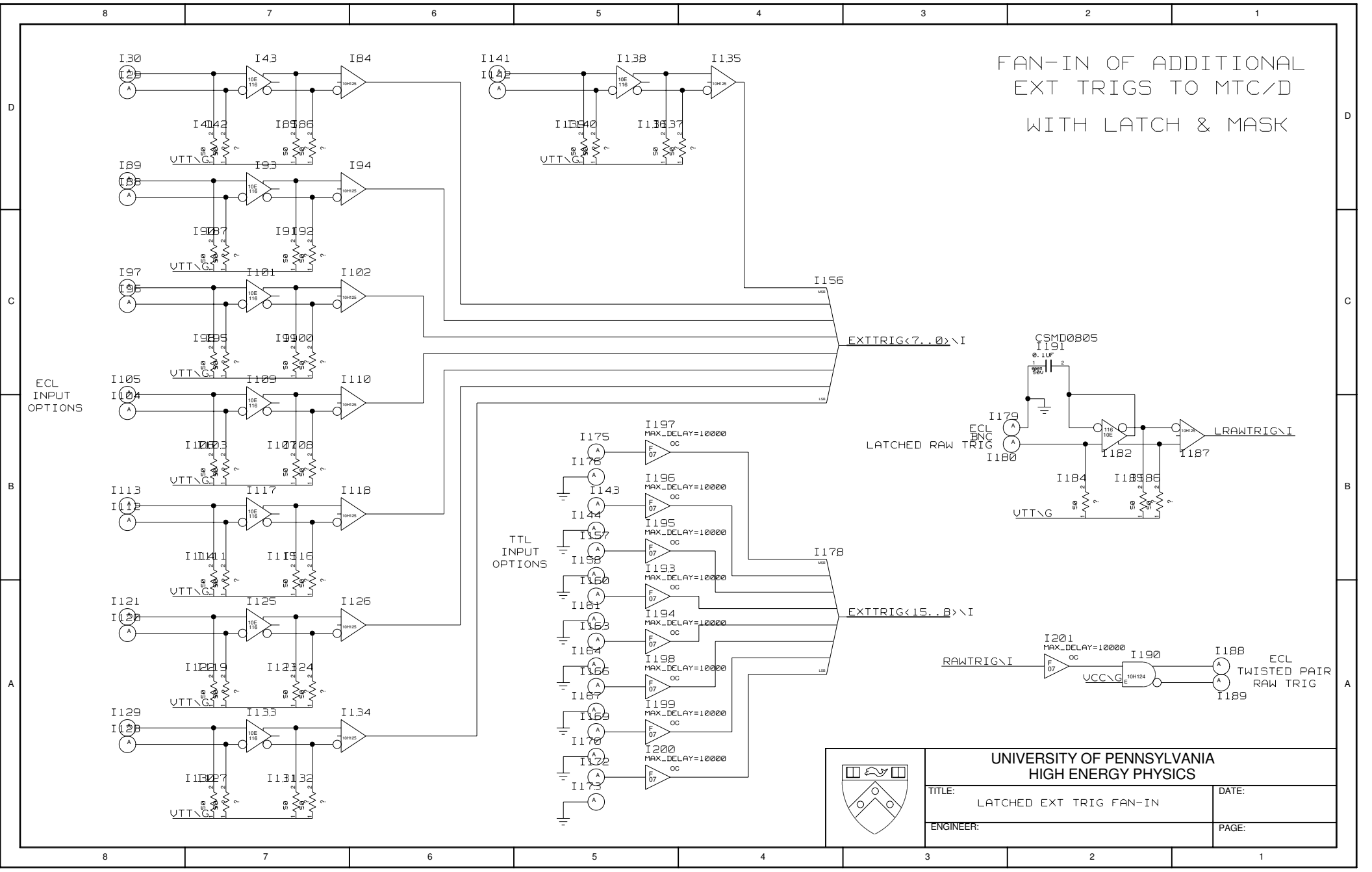
UNIVERSITY OF PENNSYLVANIA HIGH ENERGY PHYSICS	
TITLE: DATAIN	DATE:
ENGINEER:	PAGE:

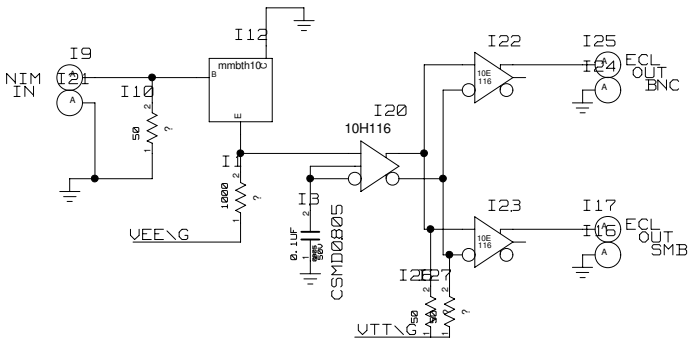
GENERIC PROGRAMMABLE DELAY



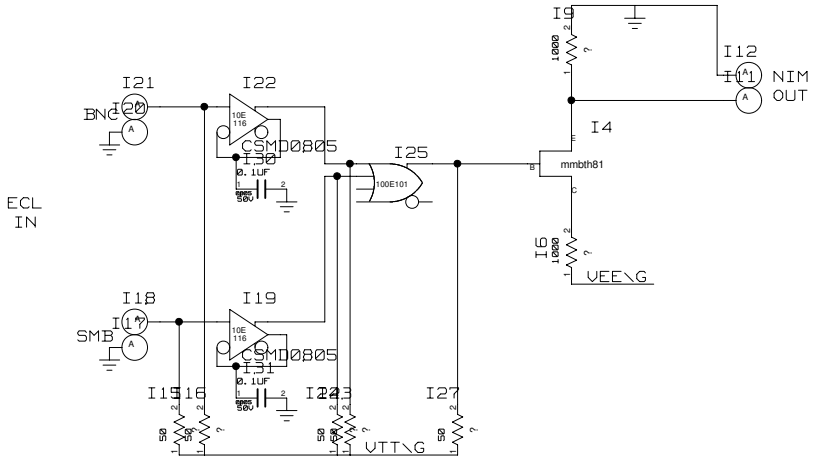
UNIVERSITY OF PENNSYLVANIA HIGH ENERGY PHYSICS	
TITLE: PROGDELAY	DATE:
ENGINEER:	PAGE:


FAN-IN OF ADDITIONAL
EXT TRIGS TO MTC/D
(NO LATCH!)
TTL
INPUT
OPTIONS
ECL
INPUT
OPTIONS
RAW TRIG TO MTC/D
TWISTED
PAIR
ECL
VTT\G
100e101
10H124
10E
116
F
07
OC
MAX_DELAY=10000
UNIVERSITY OF PENNSYLVANIA
HIGH ENERGY PHYSICS
TITLE:
EXTTRIG
DATE:
ENGINEER:
PAGE:

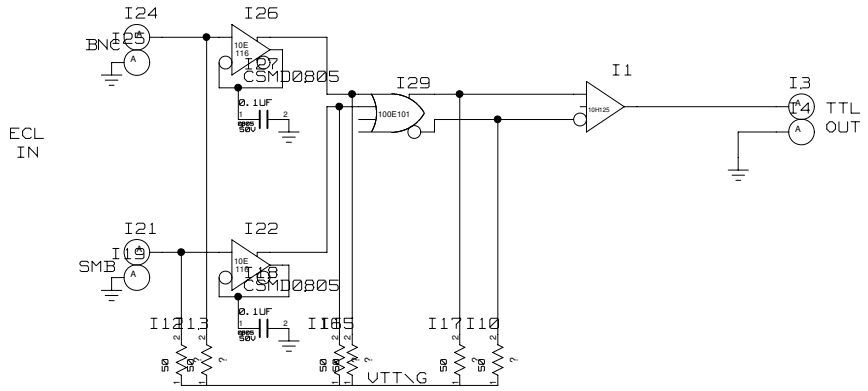

FAN-IN OF ADDITIONAL
EXT TRIGS TO MTC/D
WITH LATCH & MASK
ECL
INPUT
OPTIONS
TTL
INPUT
OPTIONS
EXTTRIG<7..0>\I
EXTTRIG<15..8>\I
LATCHED RAW TRIG
ECL
BNC
CSMD0805
0.1UF
LRAWTRIG\I
RAWTRIG\I
VCC\G
VTT\G
MAX_DELAY=10000
OC
ECL
TWISTED PAIR
RAW TRIG
UNIVERSITY OF PENNSYLVANIA
HIGH ENERGY PHYSICS
TITLE:
LATCHED EXT TRIG FAN-IN
DATE:
ENGINEER:
PAGE:



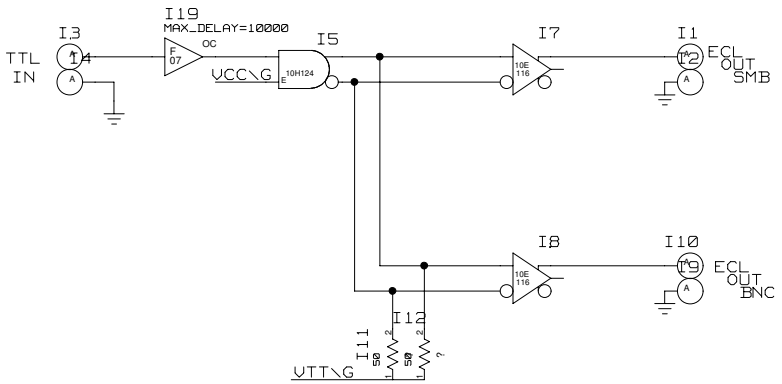
UNIVERSITY OF PENNSYLVANIA HIGH ENERGY PHYSICS		
TITLE: NIM-ECL CONVERSION		DATE:
ENGINEER:		PAGE:



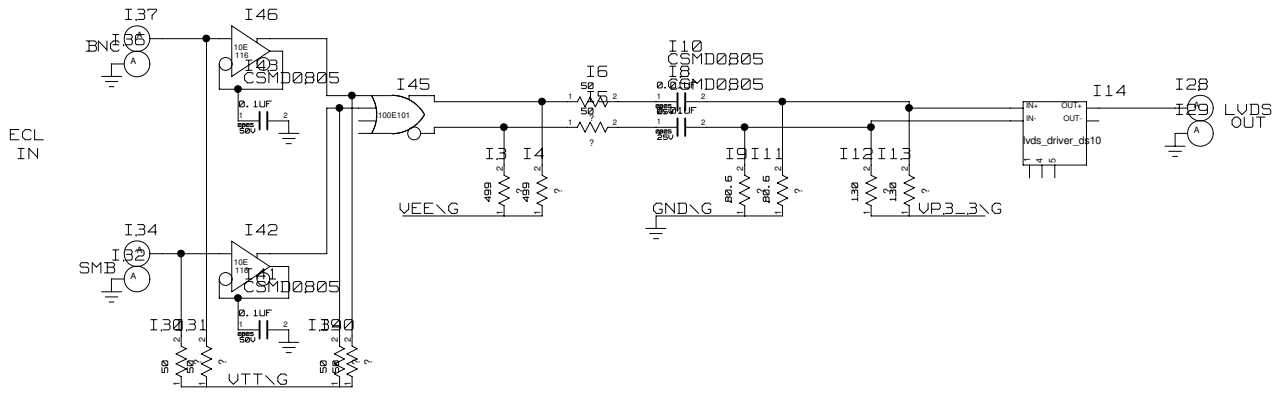
UNIVERSITY OF PENNSYLVANIA HIGH ENERGY PHYSICS	
TITLE: ECL-NIM CONVERSION	DATE:
ENGINEER:	PAGE:



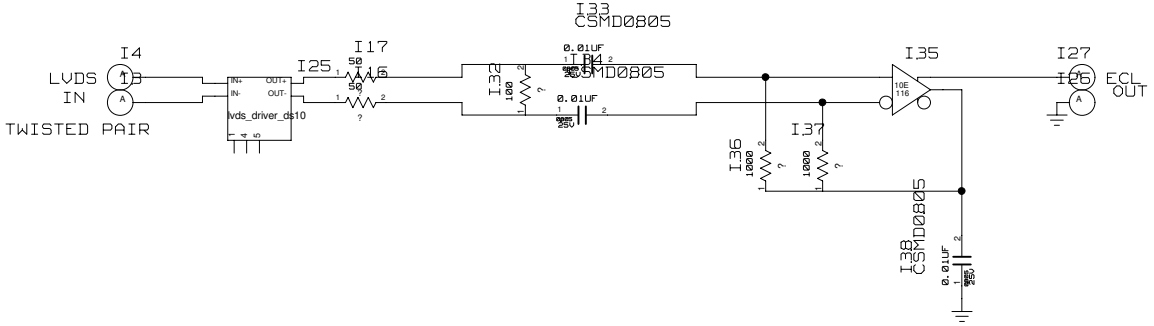
	UNIVERSITY OF PENNSYLVANIA HIGH ENERGY PHYSICS	
TITLE: ECL-TTL CONVERSION		DATE:
ENGINEER:		PAGE:



UNIVERSITY OF PENNSYLVANIA HIGH ENERGY PHYSICS		
TITLE: TTL-ECL CONVERSION		DATE:
ENGINEER:		PAGE:



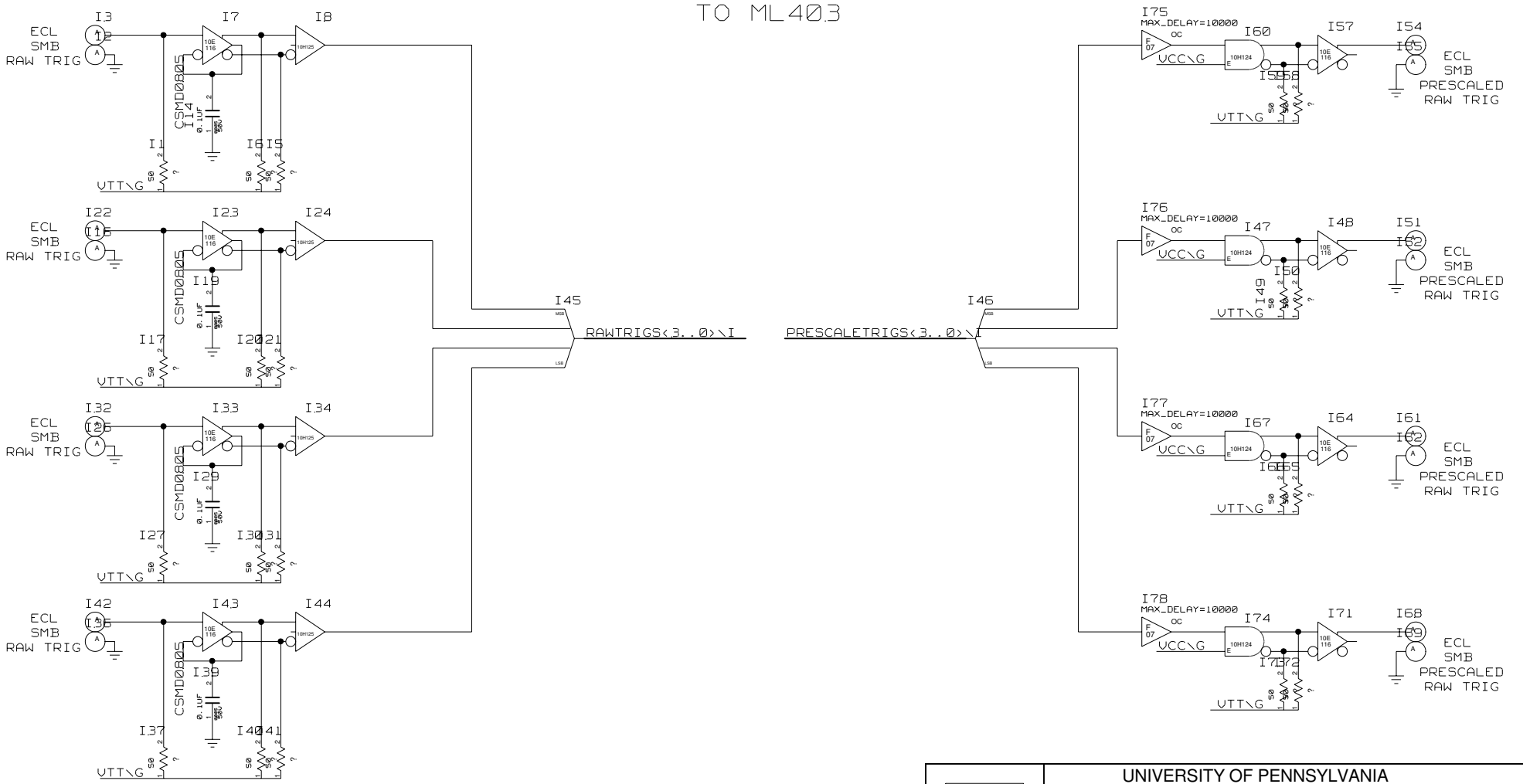
UNIVERSITY OF PENNSYLVANIA HIGH ENERGY PHYSICS	
TITLE: ECL-LVDS CONVERSION	DATE:
ENGINEER:	PAGE:



UNIVERSITY OF PENNSYLVANIA
HIGH ENERGY PHYSICS

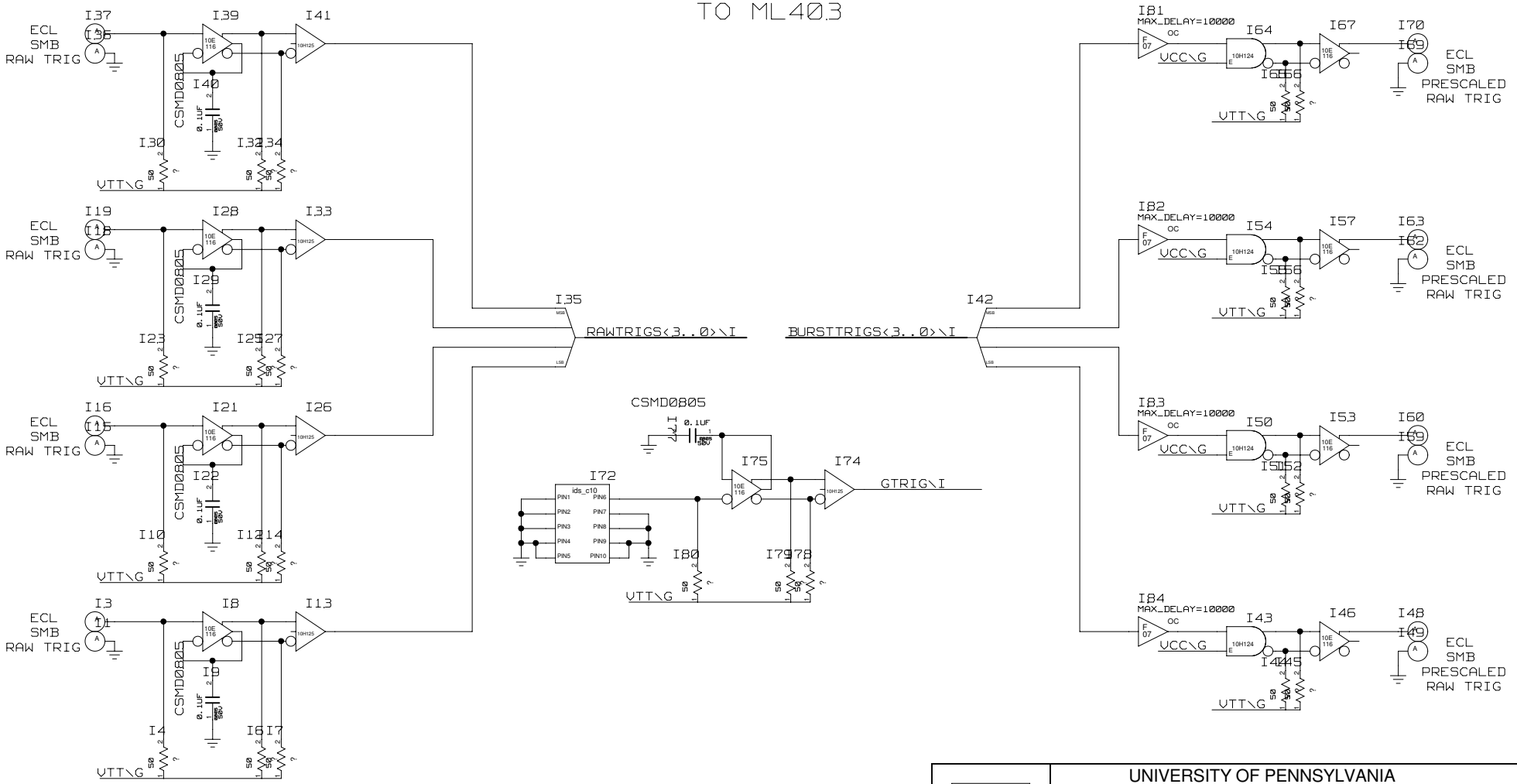
TITLE: LVDS-ECL CONVERSION	DATE:
ENGINEER:	PAGE:

PRESCALE TRIGGER:
INPUTS AND OUTPUTS
TO ML403

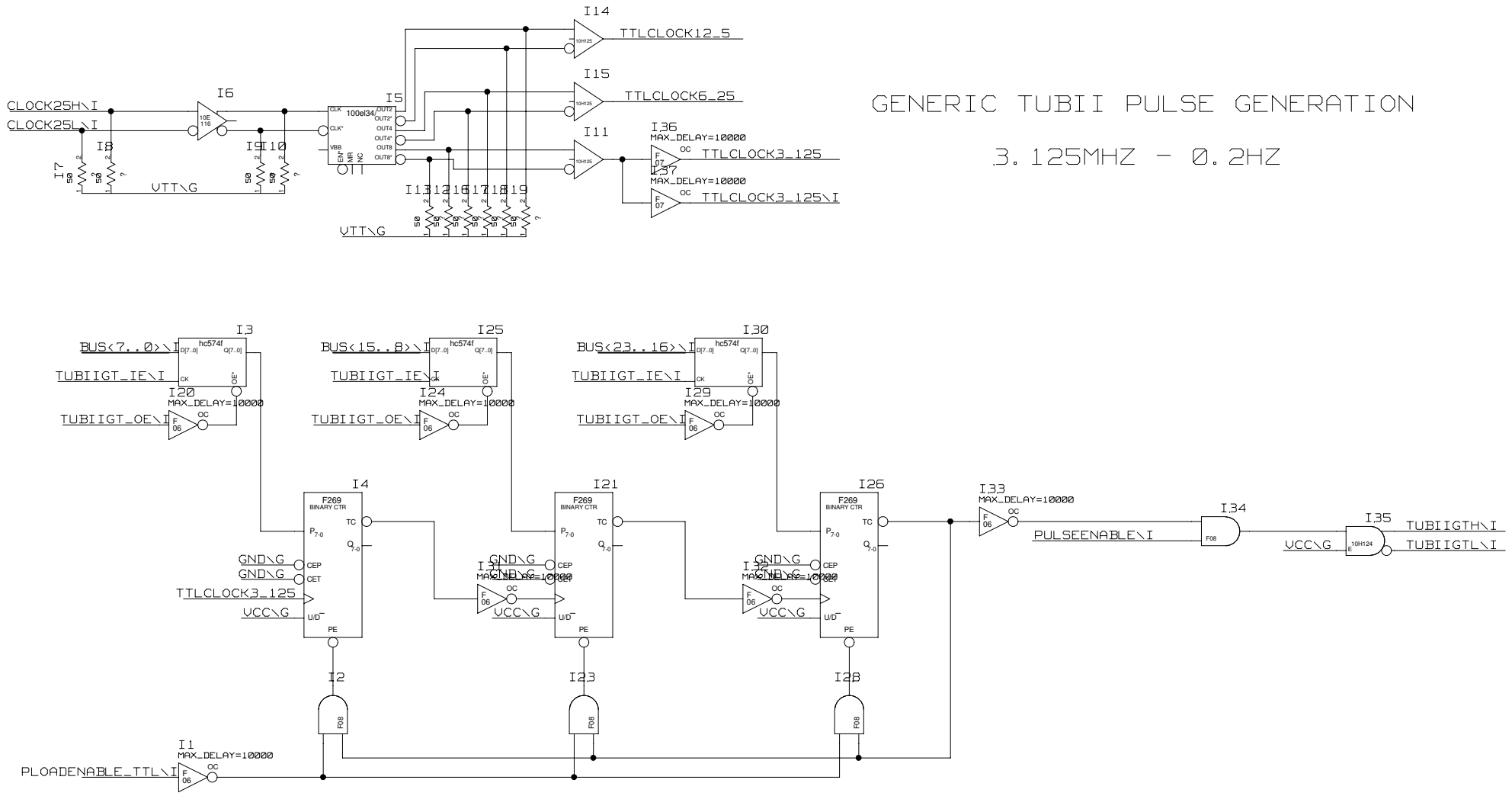


UNIVERSITY OF PENNSYLVANIA HIGH ENERGY PHYSICS	
TITLE: PRESCALETRIG	DATE:
ENGINEER:	PAGE:

BURST TRIGGER:
INPUTS AND OUTPUTS
TO ML40.3

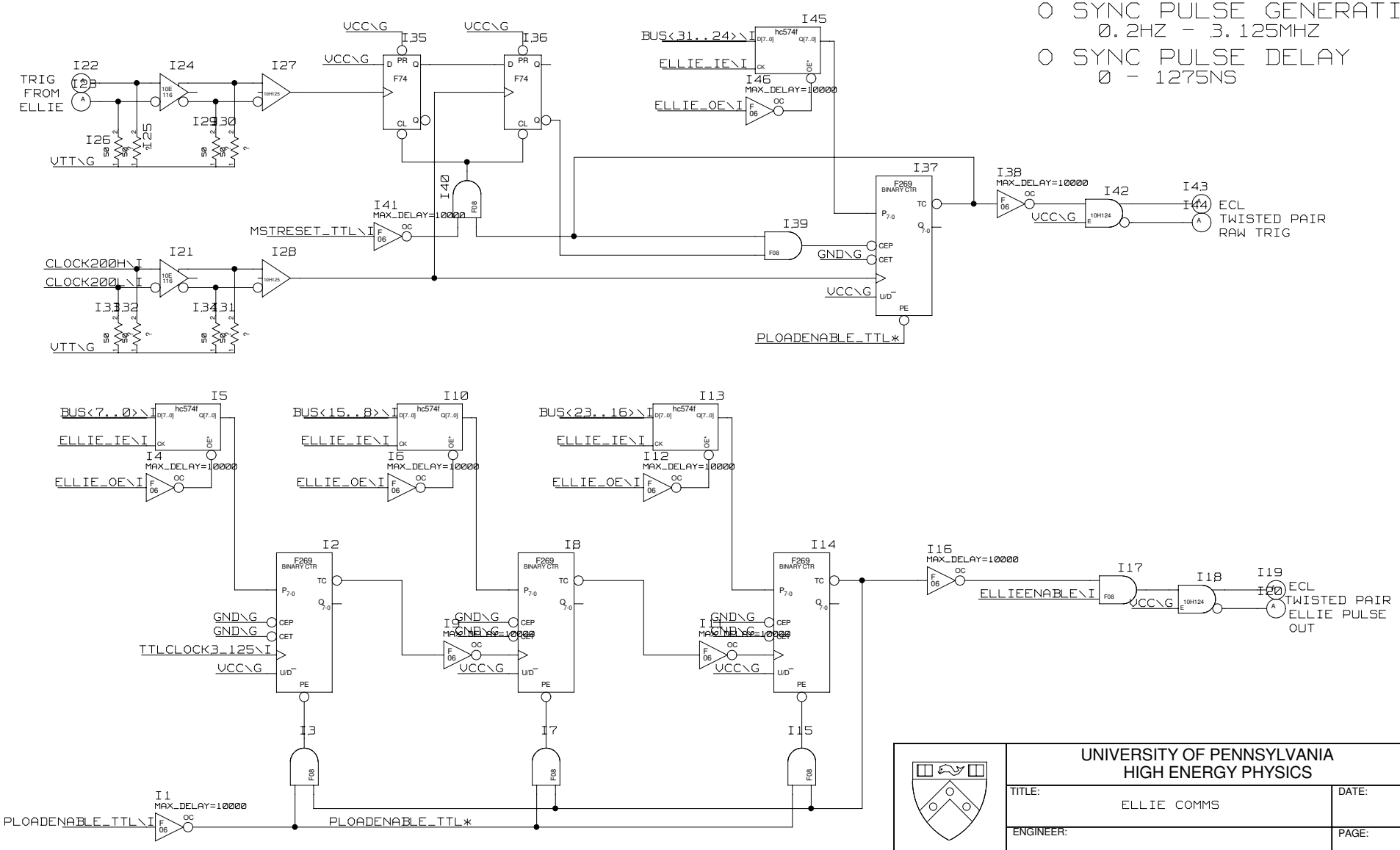


UNIVERSITY OF PENNSYLVANIA HIGH ENERGY PHYSICS	
TITLE: BURST TRIGGER	DATE:
ENGINEER:	PAGE:


GENERIC TUBII PULSE GENERATION
3.125MHZ - 0.2HZ
CLOCK25H\I
CLOCK25L\I
VTT\G
TTLCLOCK12_5
TTLCLOCK6_25
TTLCLOCK3_125
TTLCLOCK3_125\I
MAX_DELAY=10000
BUS<7..0>\I
BUS<15..8>\I
BUS<23..16>\I
TUBIIGT_IE\I
TUBIIGT_OE\I
GND\G
VCC\G
PULSEENABLE\I
PLOADENABLE_TTL\I
TUBIIGTH\I
TUBIIGTL\I
UNIVERSITY OF PENNSYLVANIA
HIGH ENERGY PHYSICS
TITLE:
TUBII GT
DATE:
ENGINEER:
PAGE:

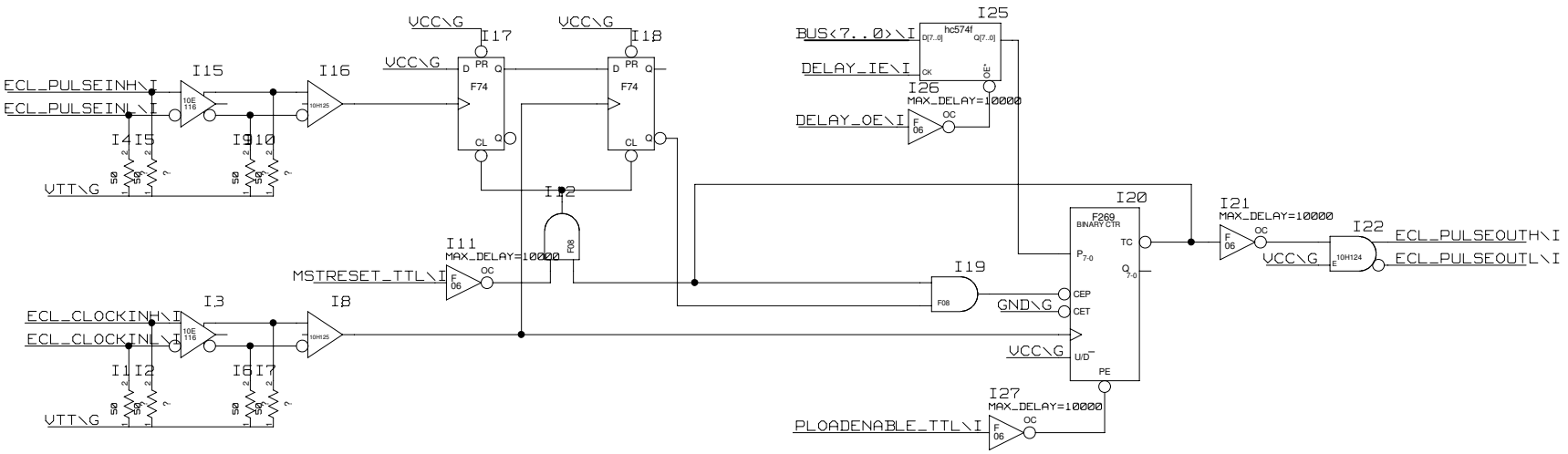
ELLIE COMMS

- SYNC PULSE GENERATION
  0.2HZ - 3.125MHZ
- SYNC PULSE DELAY
  0 - 1275NS



UNIVERSITY OF PENNSYLVANIA HIGH ENERGY PHYSICS	
TITLE: ELLIE COMMS	DATE:
ENGINEER:	PAGE:

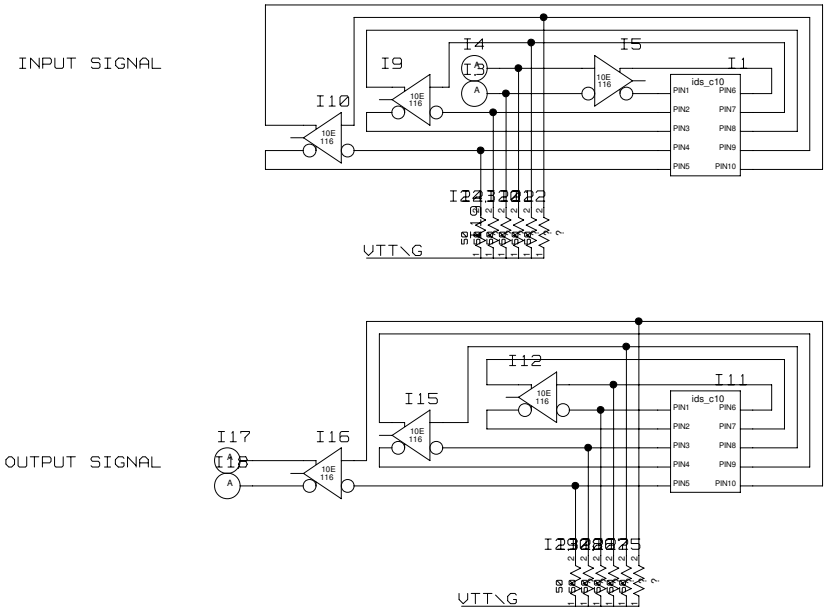
PROGRAMMABLE DELAY
IN TTL
(CONTROLLED BY ML40.3)



UNIVERSITY OF PENNSYLVANIA
HIGH ENERGY PHYSICS

TITLE: TTL PROGRAMMABLE DELAY	DATE:
ENGINEER:	PAGE:

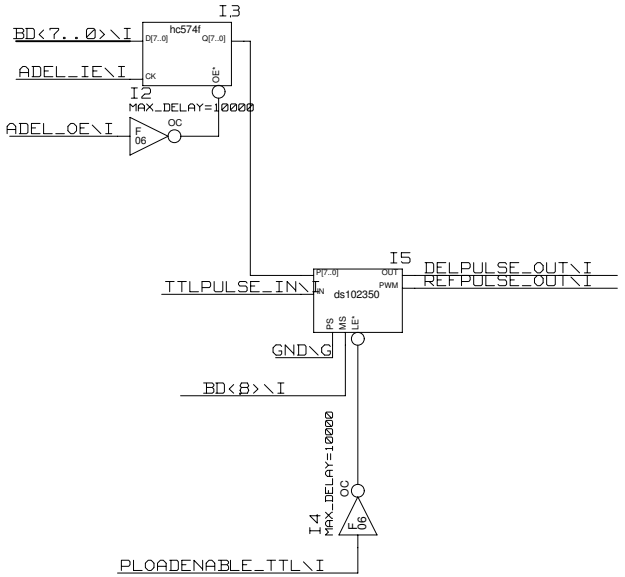
RIBBON-CABLE DELAY



UNIVERSITY OF PENNSYLVANIA HIGH ENERGY PHYSICS	
TITLE: RIBBON DELAY	DATE:
ENGINEER:	PAGE:

ASYNCHRONOUS DELAY

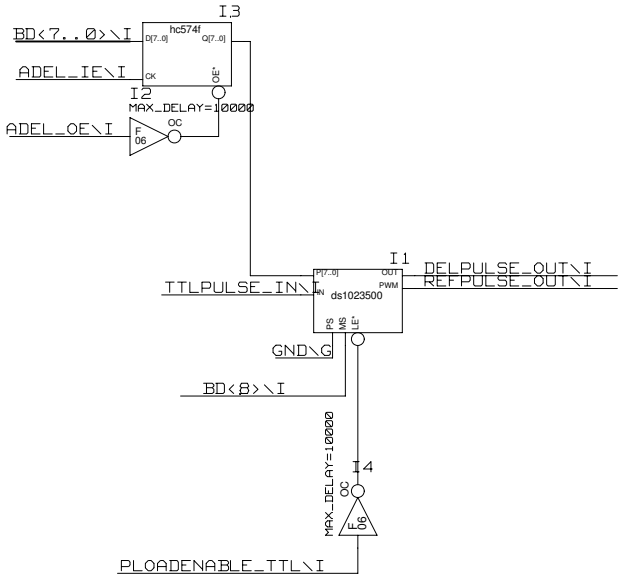
0 – 127.5 NS DELAY
IN 0.5NS STEPS



UNIVERSITY OF PENNSYLVANIA HIGH ENERGY PHYSICS		
TITLE: ASYNC DELAY		DATE:
ENGINEER:		PAGE:

ASYNCHRONOUS DELAY

0 - 1275 NS DELAY
IN 5.0NS STEPS



UNIVERSITY OF PENNSYLVANIA HIGH ENERGY PHYSICS	
TITLE: LARGER ASYNC DELAY	DATE:
ENGINEER:	PAGE: