

FORS SCHEMATIC  
1 OF 3

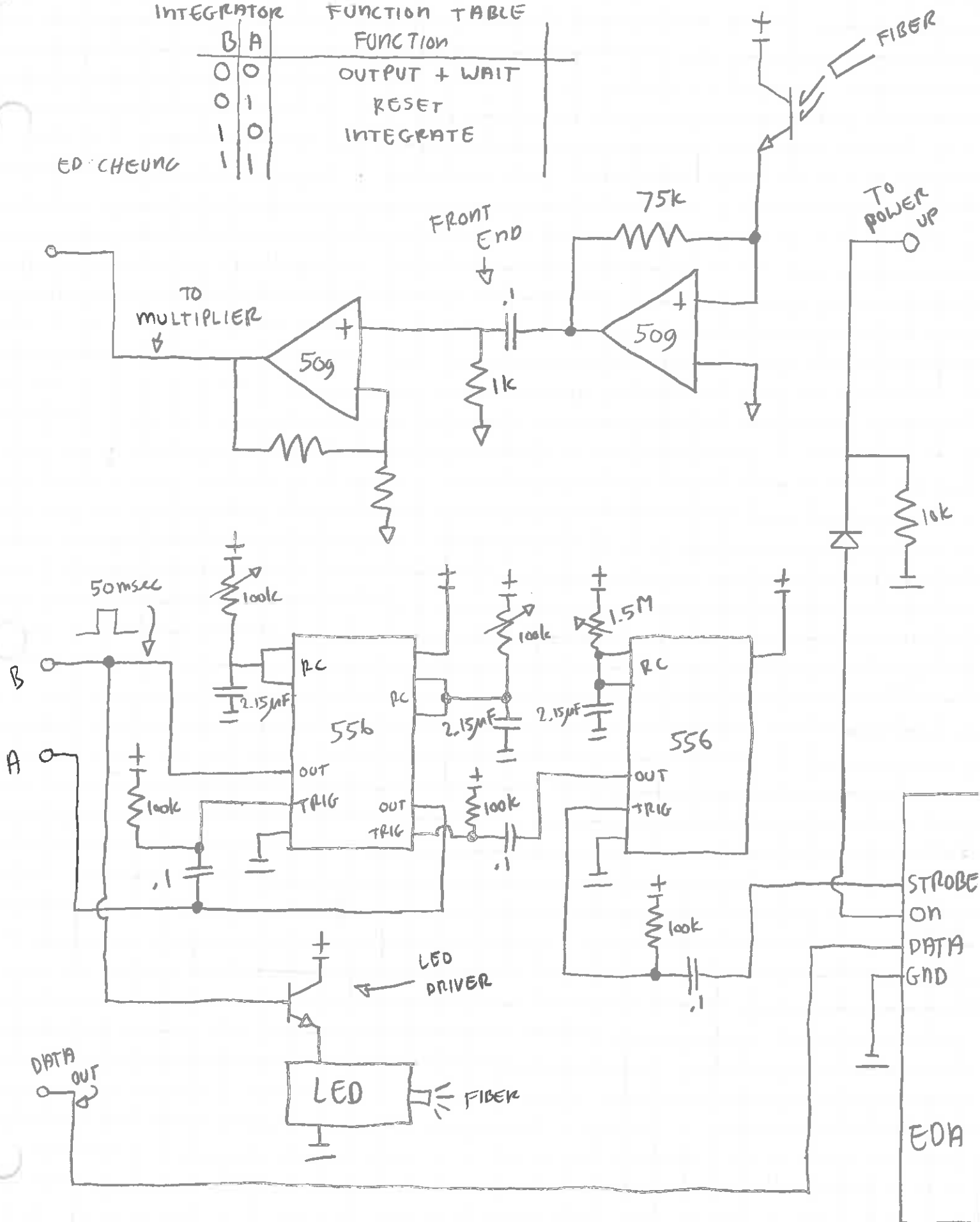
JAN 85

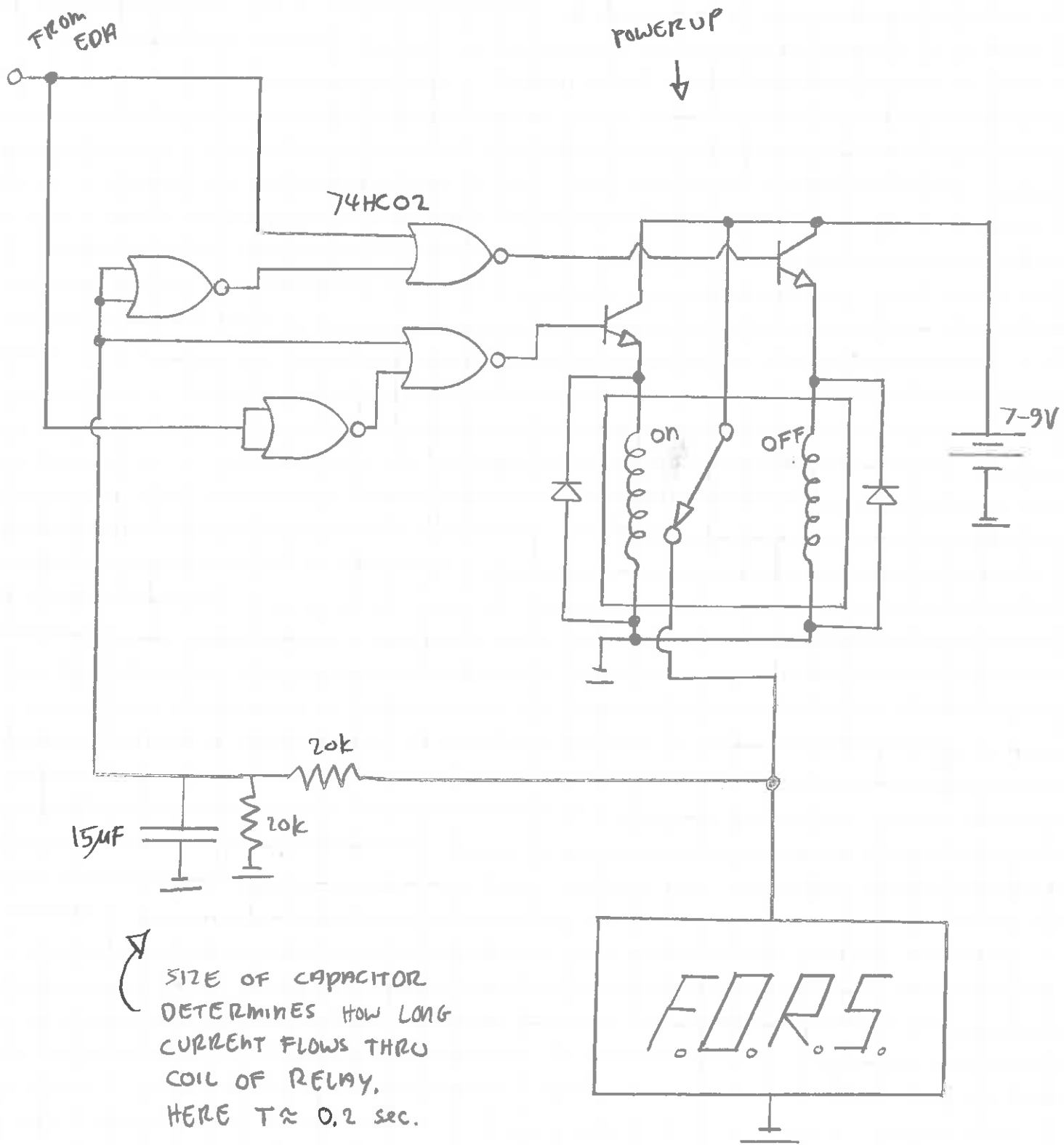
INTEGRATOR

FUNCTION TABLE

B	A	FUNCTION
0	0	OUTPUT + WAIT
0	1	RESET
1	0	INTEGRATE
1	1	

ED CHEUNG





SIZE OF CAPACITOR DETERMINES HOW LONG CURRENT FLOWS THRU COIL OF RELAY. HERE  $T \approx 0.2$  sec.

ED CHEUNG

FORS SCHEMATIC  
3 OF 3

JAN 85

# PC Board I

ED LIEBUNG  
FEB 1985

has been completed, it includes:

multiplier  
diff amp  
integrator  
output stage  
all timers  
and virtual ground.

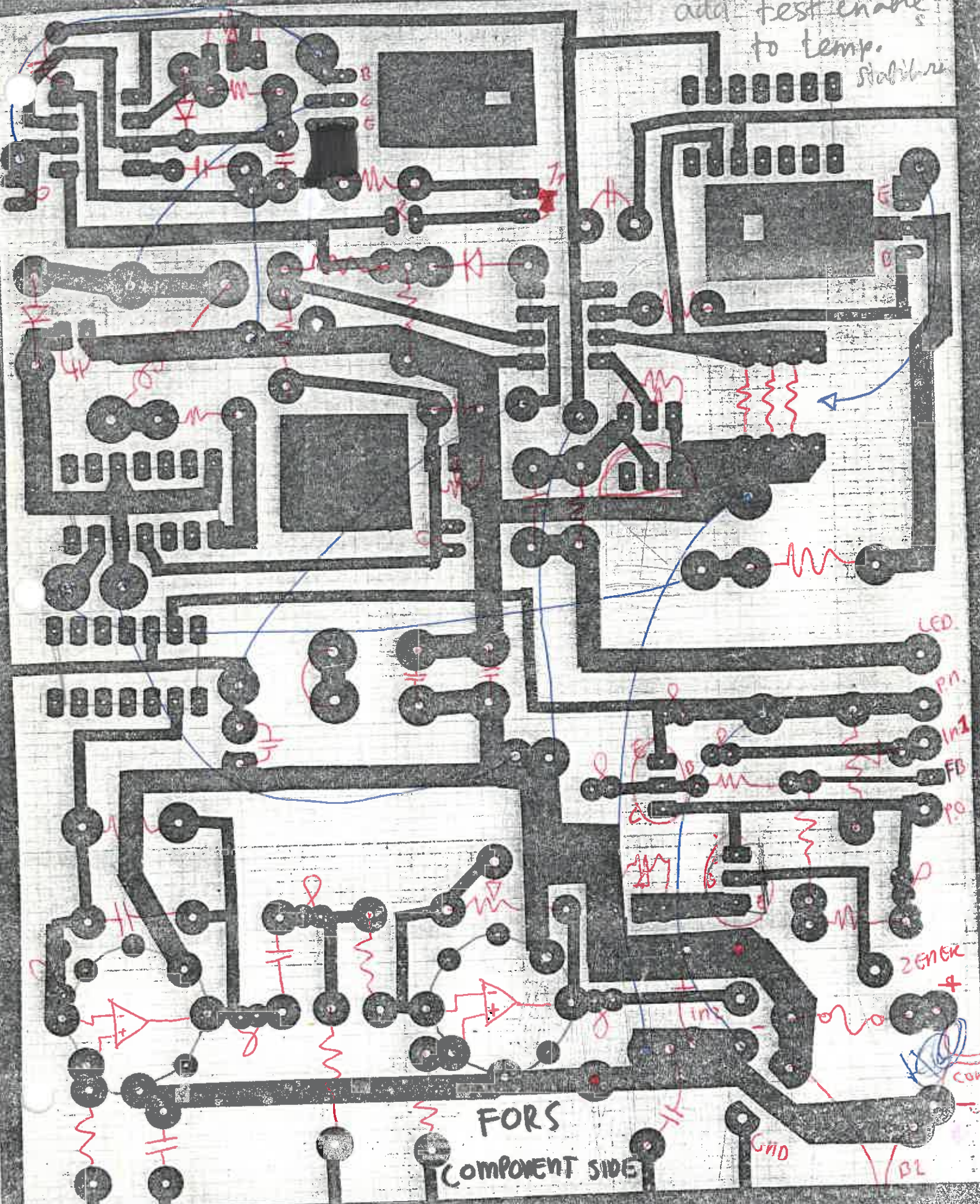
The second board will have:

LED Drive  
Front End  
Piezo oscillator  
and maybe power up circuit.

The first board is  $4\frac{6}{16}$ " by  $5\frac{5}{16}$ " large, the second one will be smaller. When the LED Drive is known we will start the second board. Estimated time of completion is eight days. (Board one took eight also).



add test enable  
to temp.  
stabilize



LED

P.N.

IN2

FB

P.O.

ZENER

+

CON


FORS

COMPONENT SIDE

GND

BL

Notes

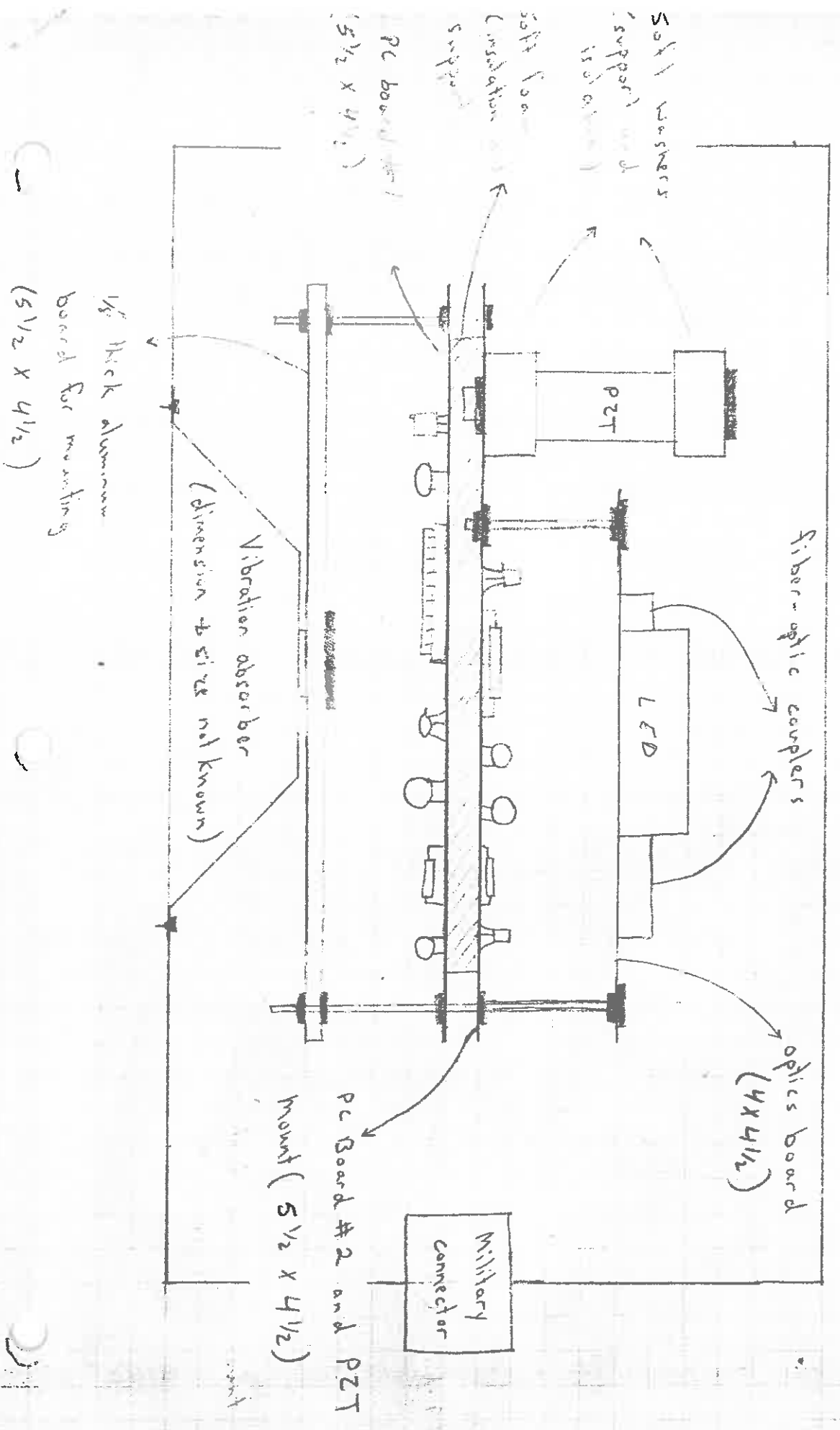
- 1) Box would be  $8\frac{1}{2} \times 6\frac{1}{2}$  in the base, and its height would depend on the height of the vibration absorbers.
- 2) To avoid stress on the fiber, there would be some loose fiber (attached to one of the walls).
- 3) The fiber from the loop would enter the box from the side closest to the fiber ends on the loop.
- 4) Vibration absorber would have to be mounted on the bottom of the box. 
- 5) Mounting of components on optics board is not finalized



2

F.O.R.S.

Front View (drawn to scale)





F.O.R.S.

Top View

