

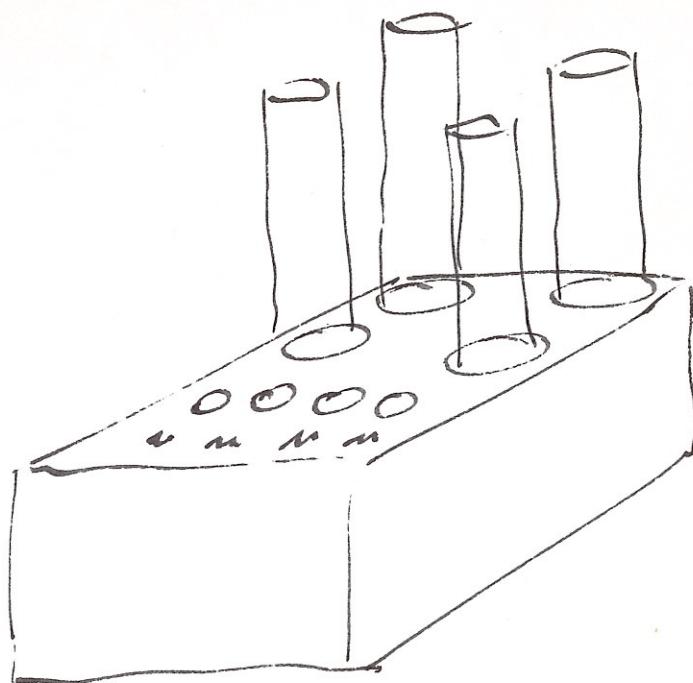
[Optofmofoon]

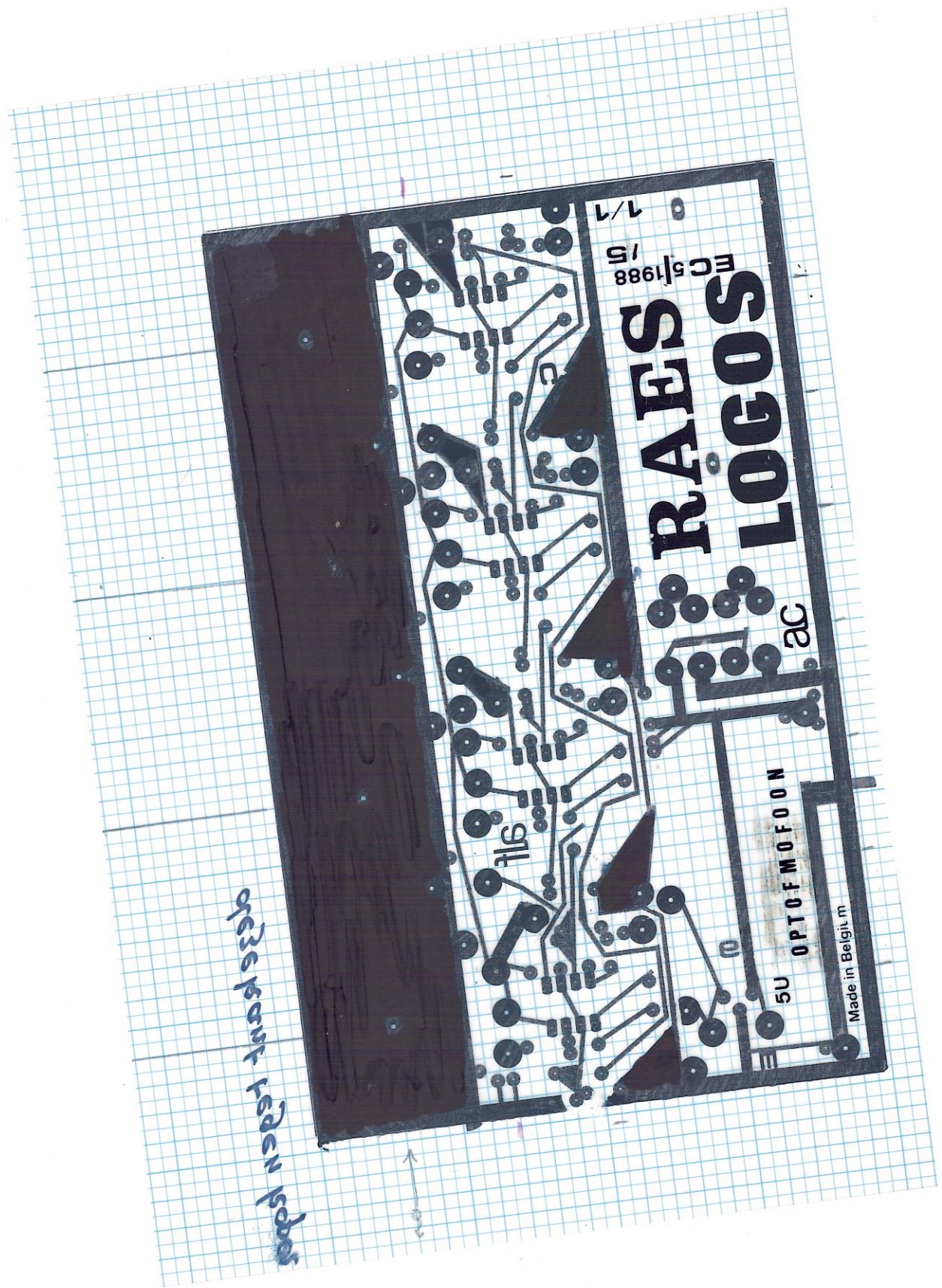
I - IV

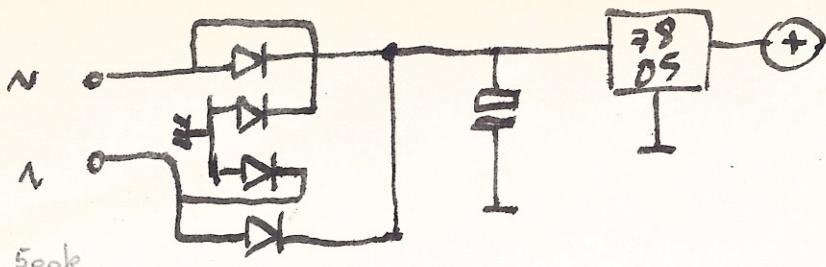
[4x 555 osc.
FM-modulatie]

optoflsoon

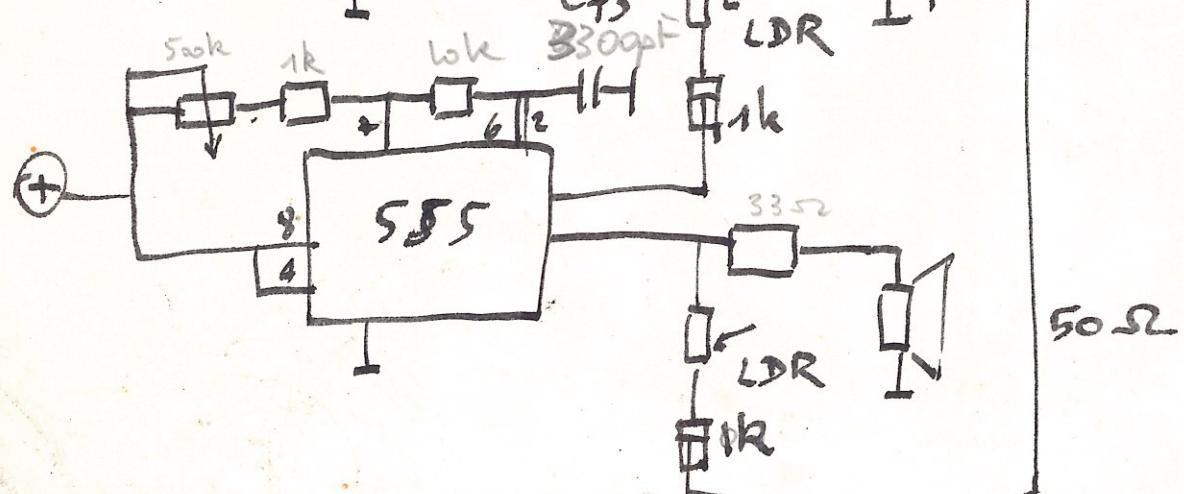
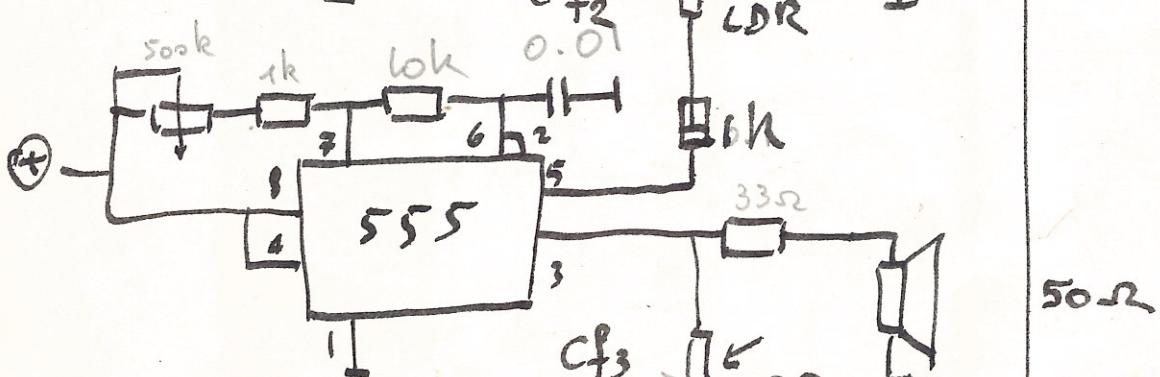
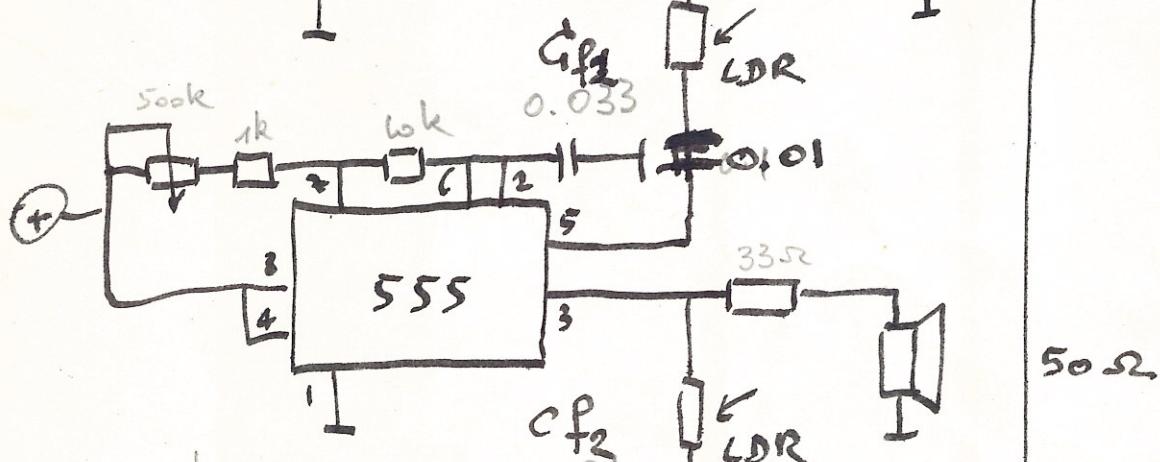
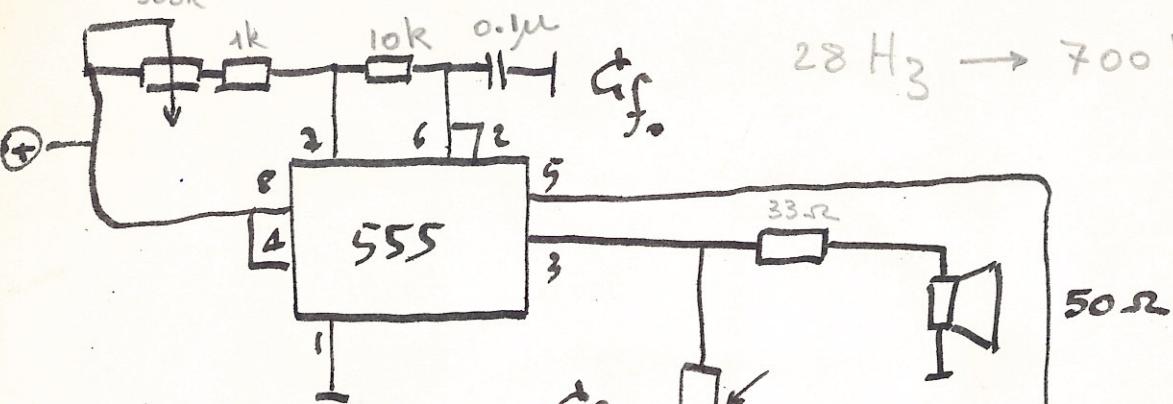
J&M



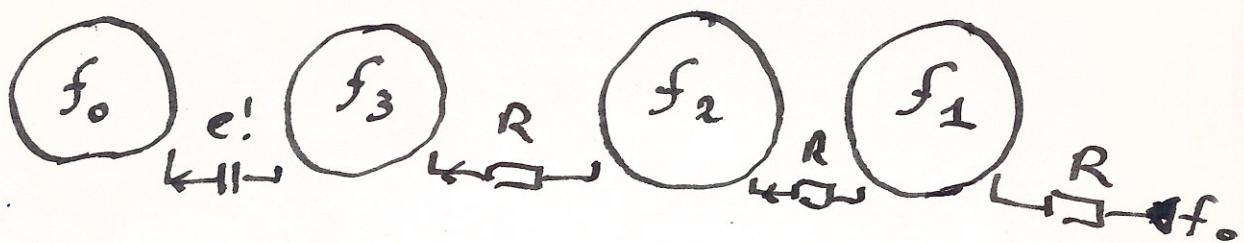




$28\text{ Hz} \rightarrow 700\text{ Hz}$



4-waarden optofmofoon s.



I 100n

33n

10n

3n3

@ J&M

II

III 470n

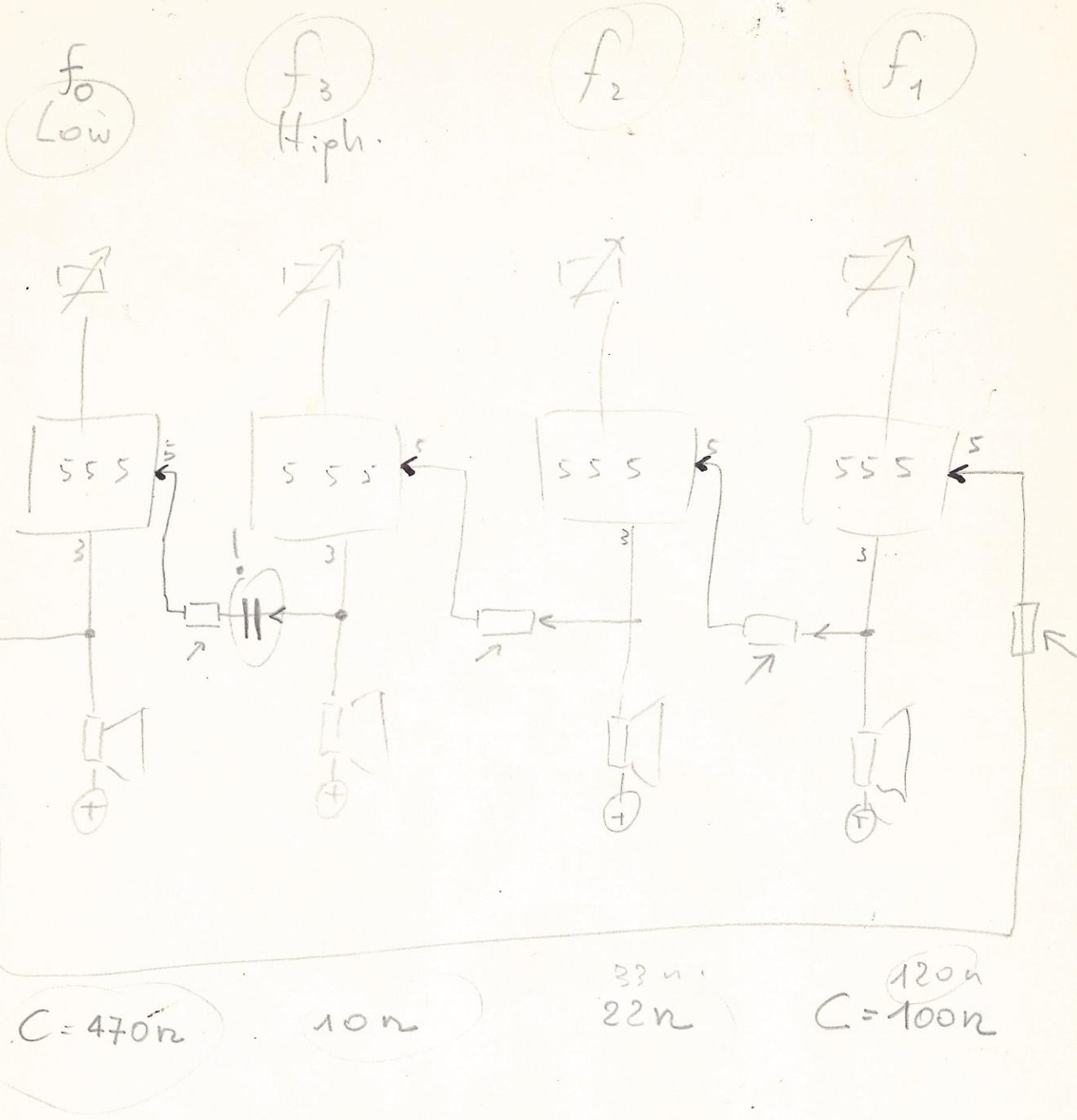
10n

27n

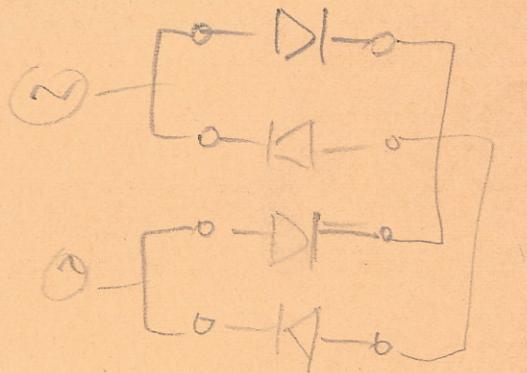
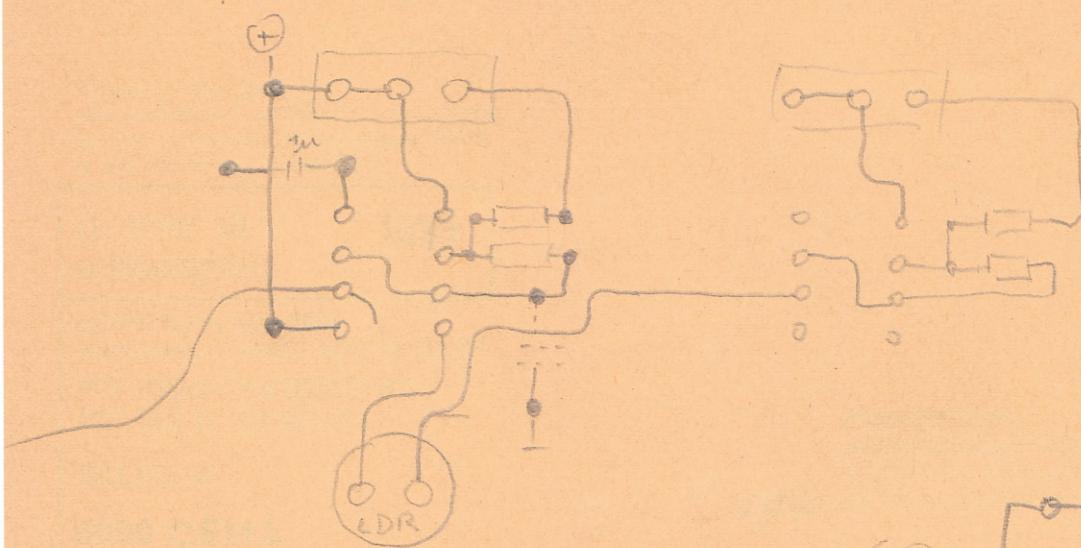
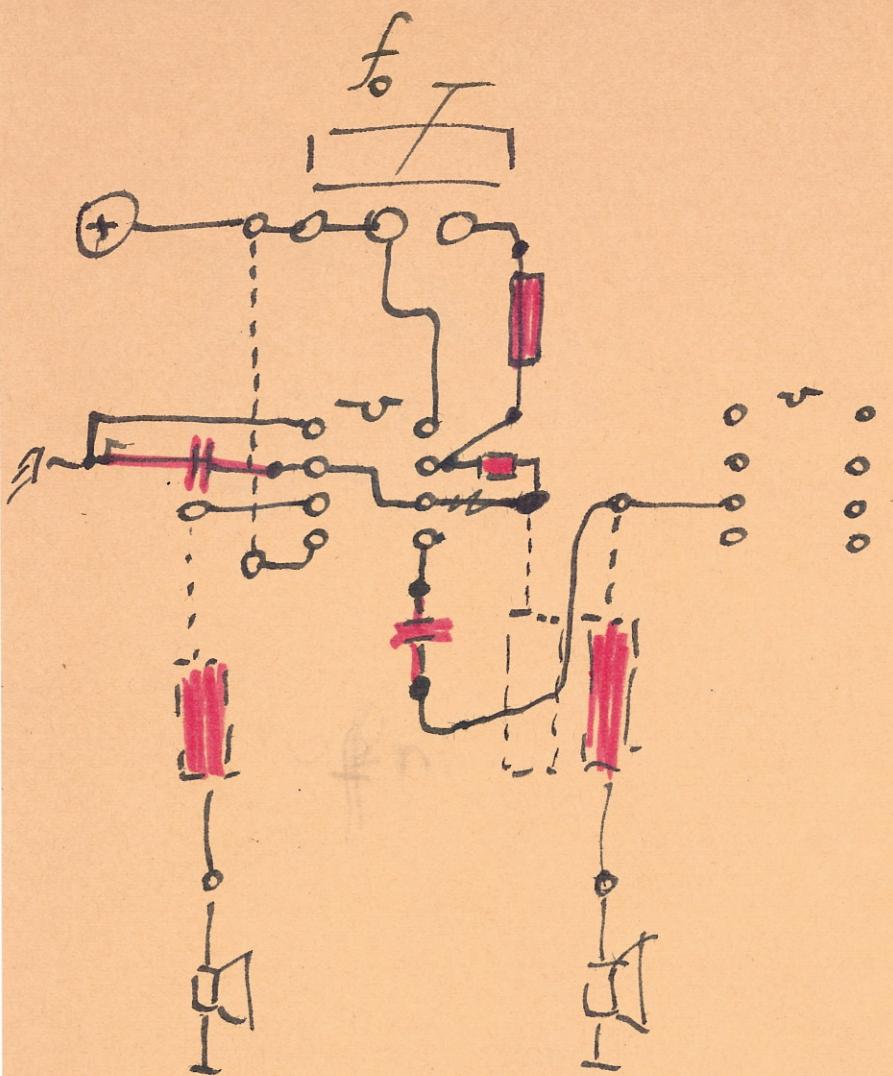
100n

@ SL

IV



Model III



kostprijs :

Punt 250,-

Transp 200,-

7805 50,-

Elco 60,-

4 x IN6002 40,-

4 pot's. 200,-

8 R's 16,-

4 555's 200,-

4 speakers 320,-

4 LDR's 400,-

4 R's 1W 40,-

Soleen 60,-

Netshoes 50,-

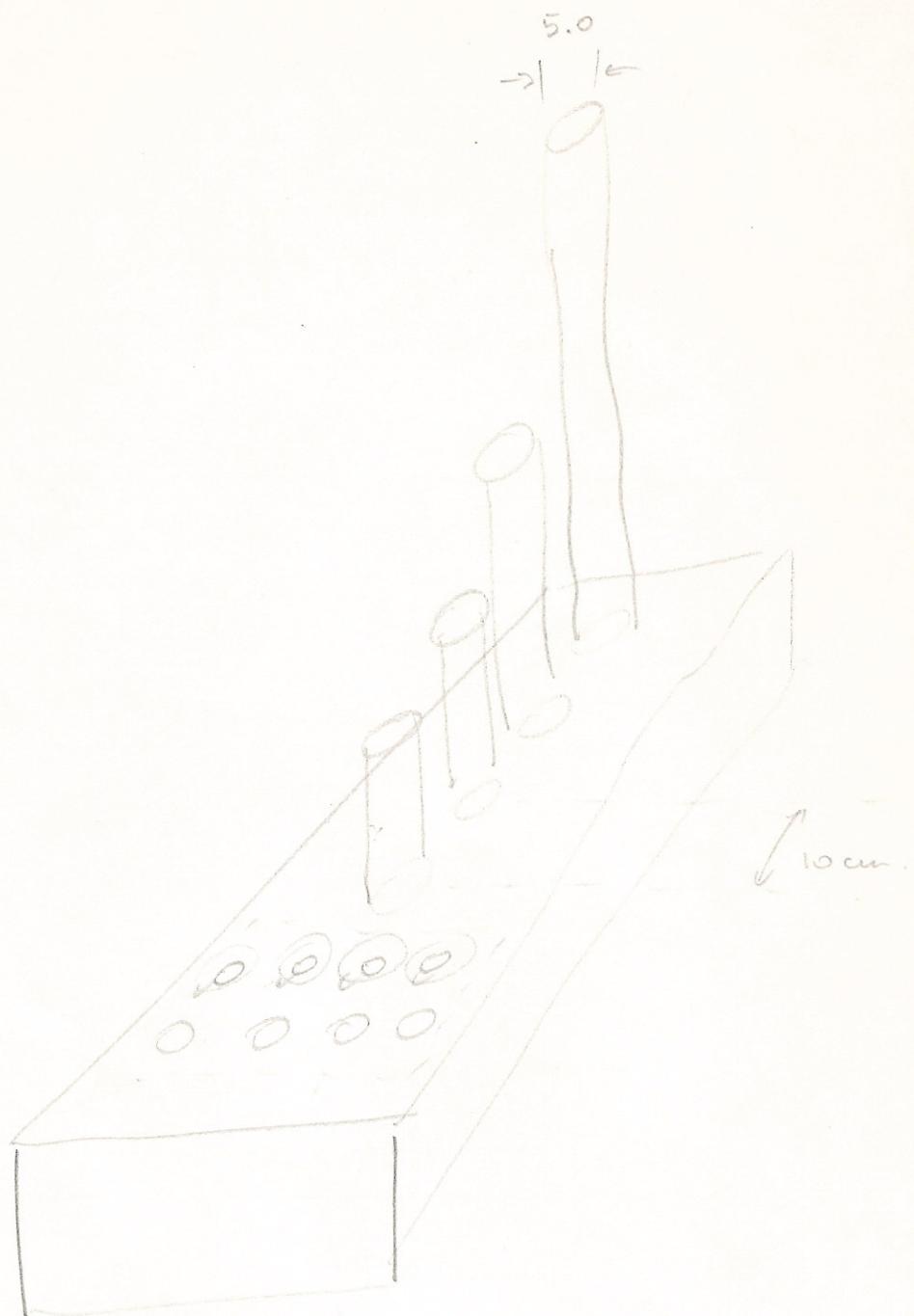
1926,-

→ Verkoopprijs

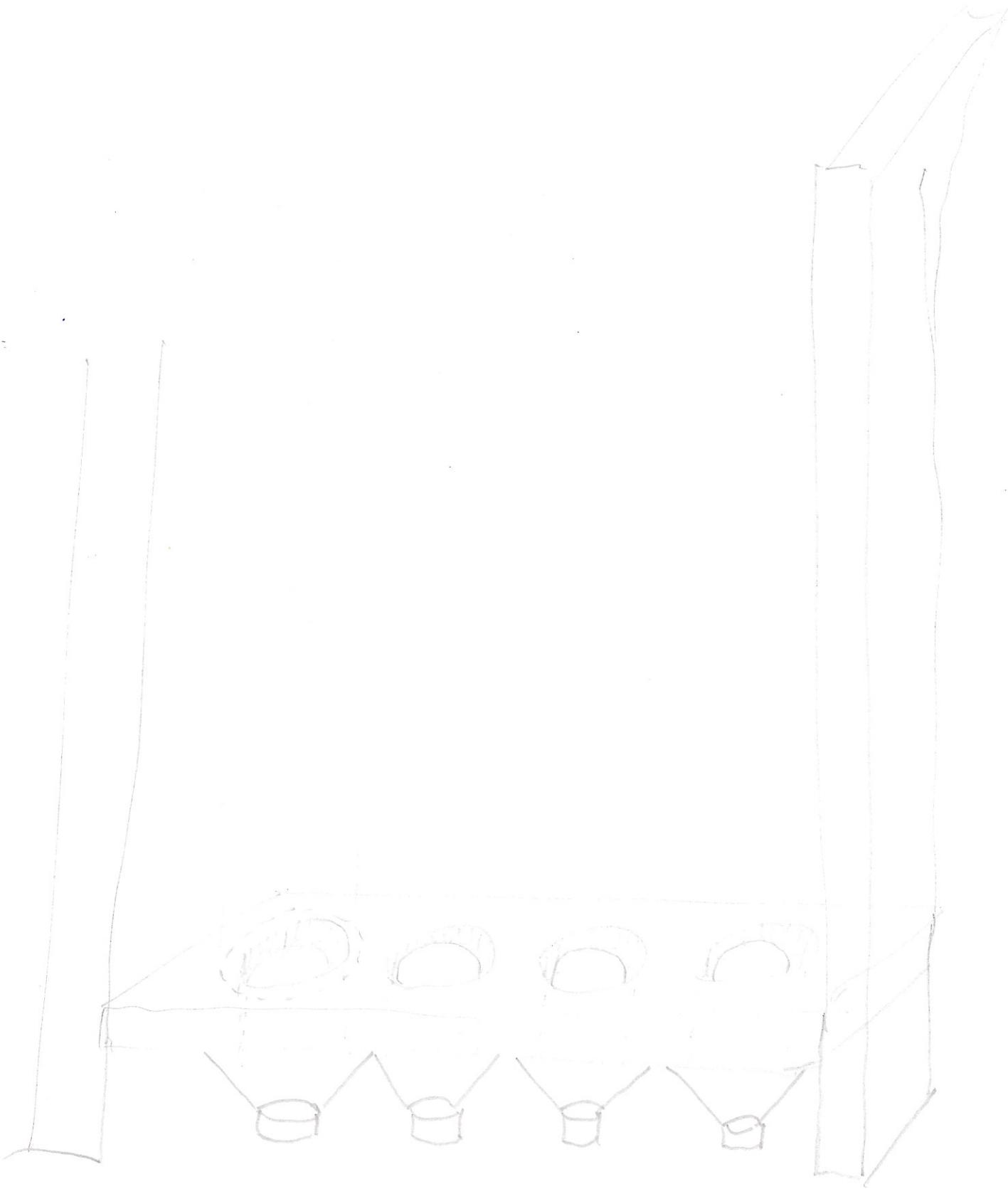
bestuelpunt : 3.500,-

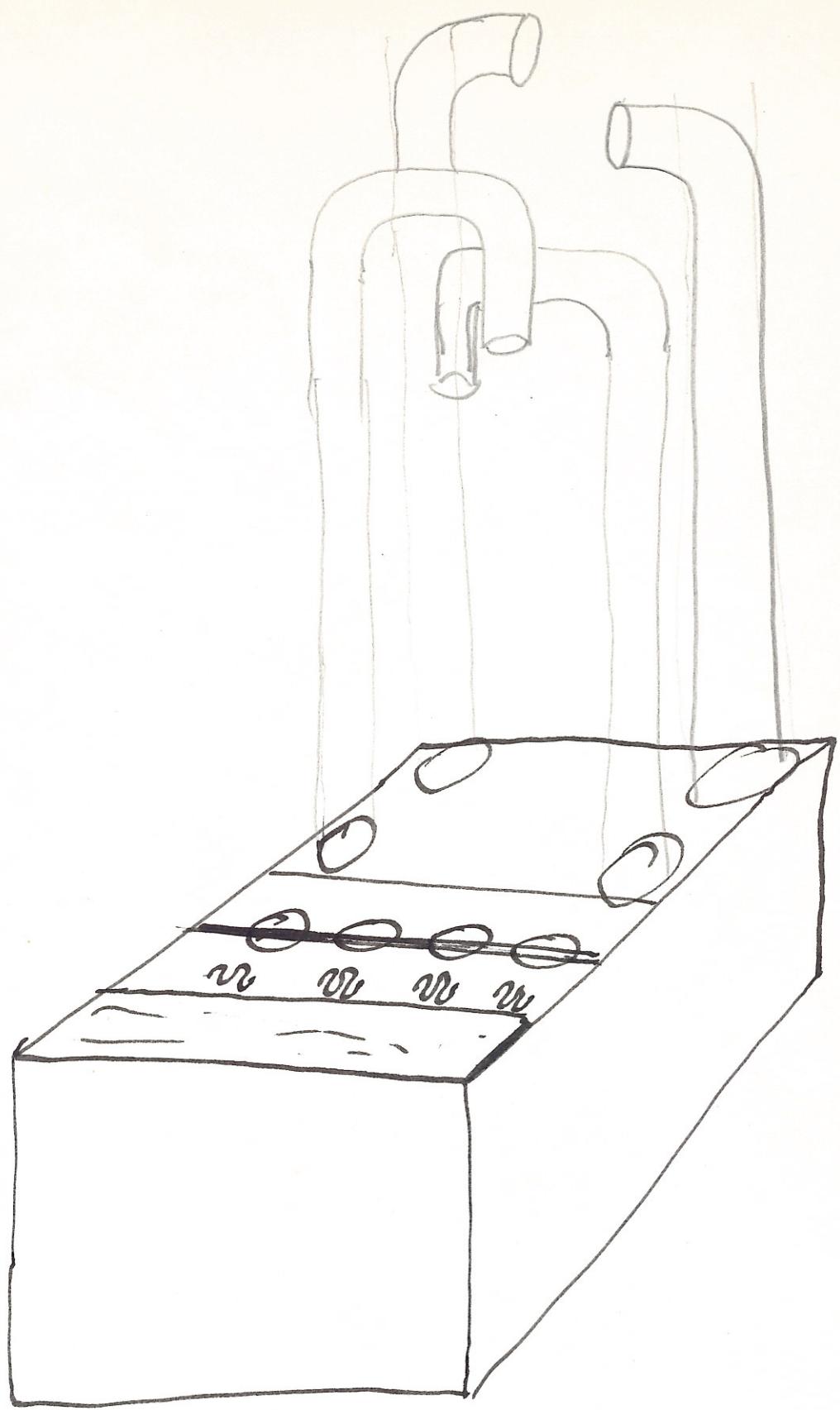
Pure bouwstof : 5.000,-

Model II



print EC 5/1988 12





2



6.5



40.0



6.5



6.5



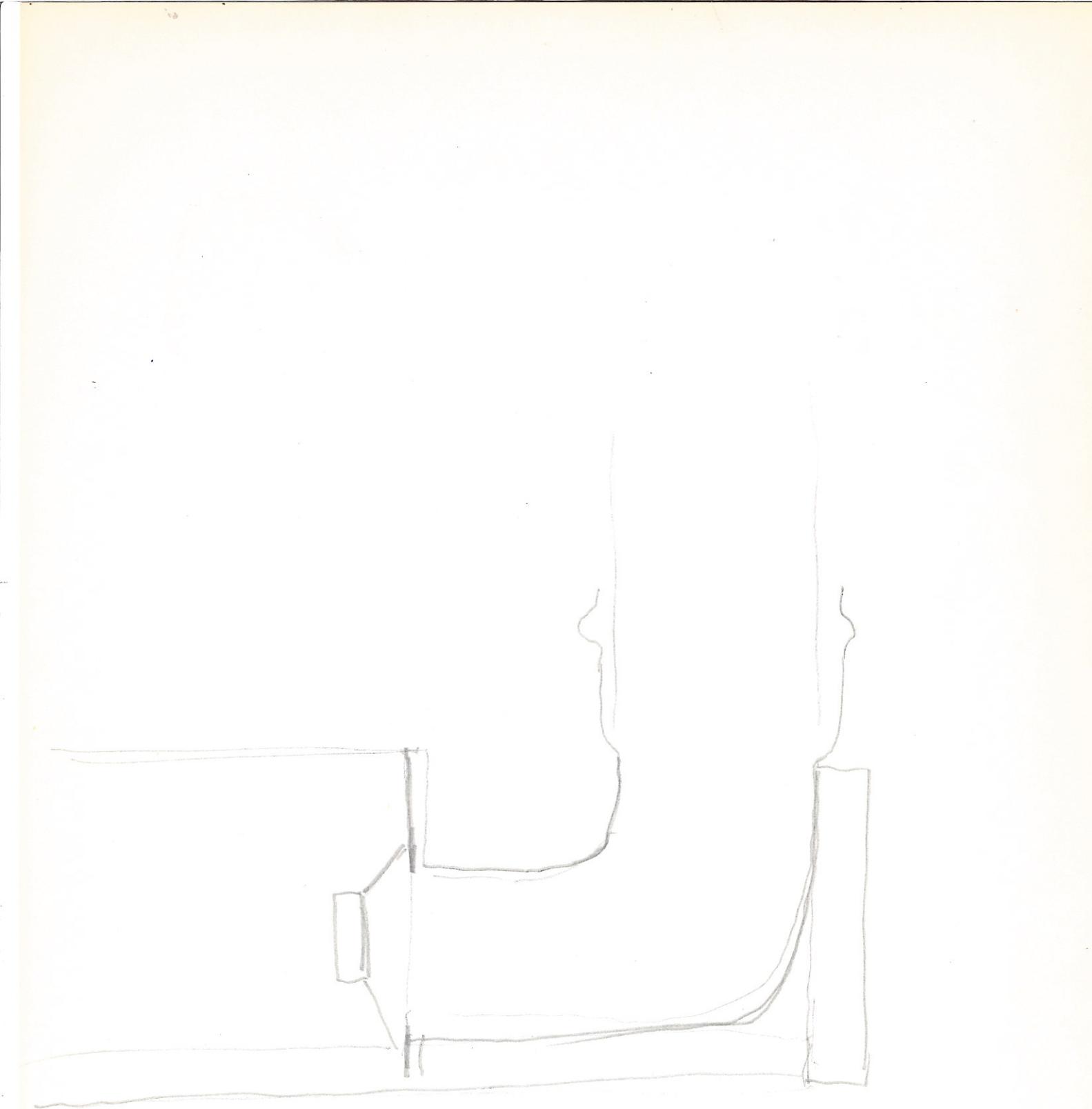
— 16.0 —



6.5



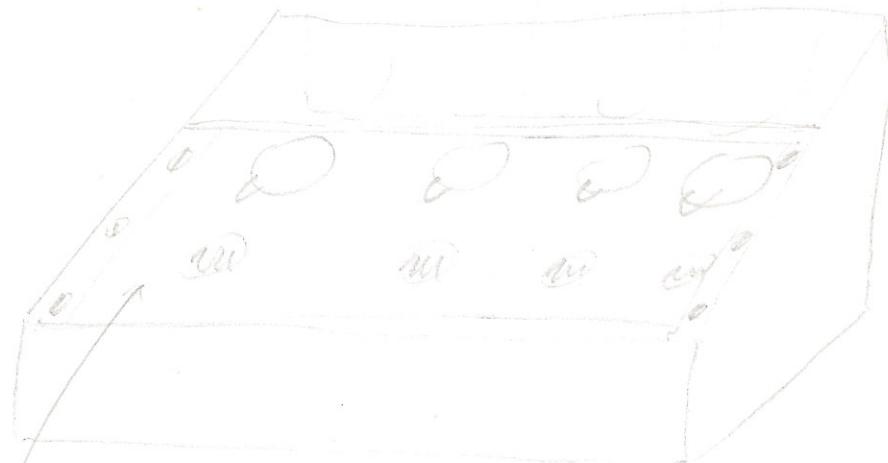
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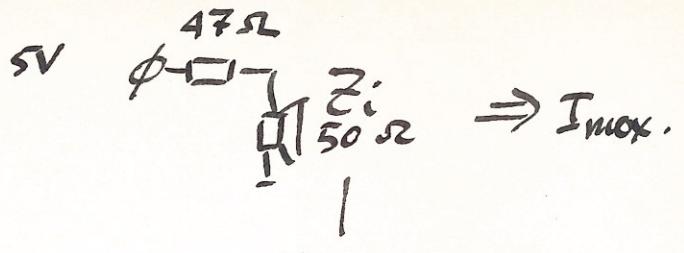
o o → pre.

o

o



plexiglass



SSS $I_{out \ max} = 200mA$

• dissipatie = 600 mW max !

$L_S = 50\Omega$ bij $V_o = 5V$.

$$\rightarrow I_o = \frac{5}{50} = 100mA.$$

$$\rightarrow R_b = 50\Omega + 33\Omega$$

$$\Rightarrow P_o = V_o \cdot I_o$$

$$I_o = \frac{5}{83} = 60mA$$

$$= 5 \cdot 0.06 =$$

$$\boxed{300mW}$$

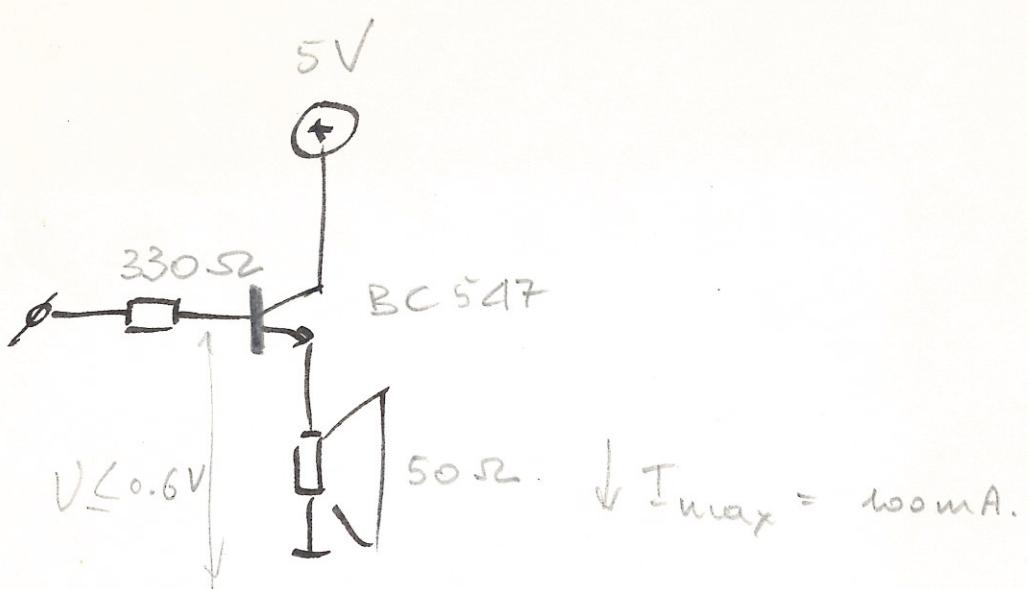
$$f_{low} = \frac{1.46}{(500k + 20k) \cdot C} = 280 Hz.$$

$C = 10nF$



$$6952 Hz.$$

Luc Van Den Broeck
⇒ Teweekstelling.



$$U_{max} = 5V - 1,2 = 3,8 \sim 4V$$

$$P_{max} = 4 \times 0.1 = \underline{\underline{0.4W}}$$