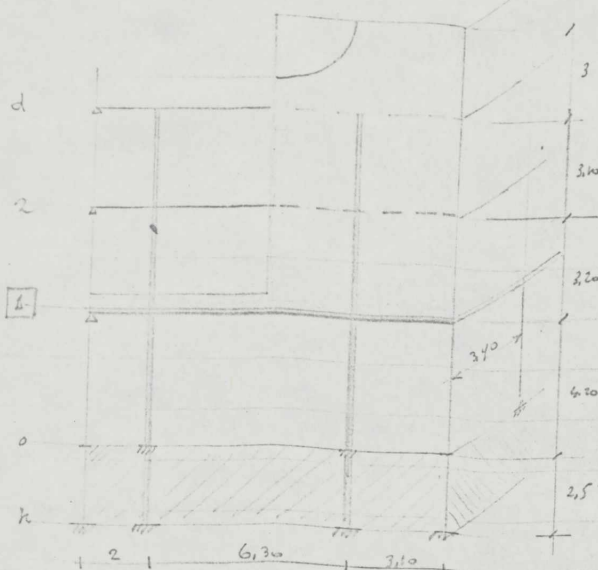


Gevel mets 1. (Handlammorplein)

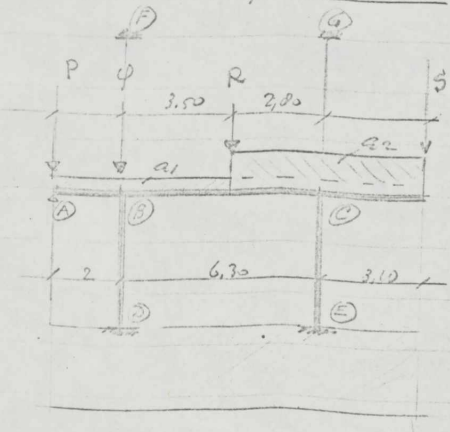
4.



$a_2$ : metsels  $9.3 \times 4.20 = 3900 \text{ Blm}$   
 dak  $1.75 \times 2.20 = 380 \text{ Blm}$   
 1+2 wind  $1.75 \times 8.70 \times 2 = 3040 \text{ Blm}$   
 Equipt-hoels  $0.70 \times 7.0 \times 2.95 = 1100 \text{ Blm}$   
 $a_2 = 8420 \text{ Blm}$

$a_2 - a_1 = 8420 - 2920 = 5500 \text{ Blm}$   
 $S = \text{Vnvlip} \frac{1}{2} \text{ (dak)} = \frac{1}{2} \times 3.10 \times 1.320 = 1730 \text{ Blm}$   
 Vnvlip + Equipt:  $(700 + 1100) \times 3.50 \times \frac{1}{2} = 2375 \text{ Blm}$   
 $S = 4100 \text{ Blm}$

● Staal 1' vande prof. Zy gevel. (sta 1)



$P = 0.40 \times 0.20 \times 400 = 1320 \text{ Blm}$   
 $0.150 \times 12 \times 400 = 240 \text{ Blm}$   
 $\frac{3.10}{2} \times 7 \times 400 = 4900 \text{ Blm}$   
 dak: Van Lijp  $a_2$ :  $5.70 \times 400 = 1170 \text{ Blm}$   
 2' wind:  $3.10 \times \frac{2}{2} \times 8.70 = 1520 \text{ Blm}$   
 pui:  $\frac{1}{2} \times (3 \times 100) = 300 \text{ Blm}$   
 $P = 9450 \text{ Blm}$   
 $a_1 = (1.75 \times 8.70) + 3 \times 100 + 1100 = 2920 \text{ Blm}$

●  $Q = \text{Equipt-hoel: } 0.60 \times 60 \times 24 \times 7 = 6020 \text{ Blm}$   
 2' wind:  $\frac{1}{2} \times 8.70 \times 5.50 \times \frac{1}{2} = 4160 \text{ Blm}$   
 pui:  $300 \times 5.50 = 820 \text{ Blm}$   
 $Q = 11000 \text{ Blm}$

$R = \text{Vnvlah: } 1170 \text{ Blm}$   
 2' wind:  $2660 \text{ Blm}$   
 pui:  $520 \text{ Blm}$   
 $R = 4350 \text{ Blm}$

$k_{BA} : k_{BC} : k_{BD} : k_{BF} = \frac{3}{4} \times \frac{1}{2} : \frac{1}{6.30} : \frac{1}{4.20} : \frac{1}{3.2} = 0.375 : 0.158 : 0.237 : 0.31 = 35 : 15 : 22$

$k_{CB} : k_{CE} : k_{CG} = \frac{1}{6.3} : \frac{1}{4.20} : \frac{1}{3.2} = 0.158 : 0.237 : 0.31 = 22\% : 34\% : 44\%$

$PRM_{BA} = \frac{1}{8} \times 2920 \times 2^2 = 1460 \text{ Blm}$ ;  $PRM_{BC} = \frac{1}{2} \times 6.30^2 \times 2920 + 0.02 \times 5500 \times 6.3^2 + 4350 \times \frac{3.5 \times 2.2^2}{6.3^2}$   
 ( $\times \frac{1}{6} = 20/63 = 0.45$ )  $\rightarrow = 9600 + 4350 + 3000 = 16950 \text{ Blm}$

$PRM_{CB} = \frac{1}{2} \times 6.30^2 \times 2920 + 0.0507 \times 6.3^2 \times 5500 + 4350 \times \frac{3.5^2 \times 2.2}{6.3^2}$   
 $= 9600 + 11000 + 3750 = 24350 \text{ Blm}$

$PRM_C = \frac{1}{2} \times 3.10^2 \times 8420 + 4100 \times 3.10 = 40300 + 12700 = 53000 \text{ Blm} \text{ (Hoot)}$

Dit overstekmoment zal worden verdeeld over  $L_1 = 3.10 \text{ m}$  en  $L_2 = 3.40 \text{ m}$   
 (zie hiervoor blad 10.)

