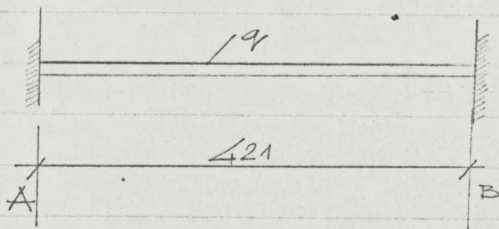


Balk tussen stramien 6 en 7Belasting

$$\begin{aligned} \text{Van Kelderwand in a7} & (3,10 + 0,22) \times 0,20 \times 2400 = 1600 \text{ kg/m} \\ \text{Van Kelder vloer} & (2,12 - 0,22 + 2,52 \times 0,5) \times 1000 = 3160 \text{ kg/m} \\ \text{Van balk in Kelder} & ; 0,5 \times 0,45 \times 2400 = 540 \text{ kg/m} \\ \underline{q_v (=g + u_b)} & = 5200 \text{ kg/m} \end{aligned}$$

Steunpunt A

$$M_A = -5200 \times 4,21^2 \times \frac{1}{12} = -7700 \text{ kgm}$$

$$h = 50 \text{ cm}$$

$$h = 60 \text{ cm}$$

$$k = 0,484 ; \omega = 0,203 ; A = 6,04 \text{ cm}^2$$

$$\text{toegepast } 2\Phi 14 + 2\Phi 18 \rightarrow A = 8,16 \text{ cm}^2$$

$$M_{AB} = -5200 \times 4,21^2 \times \frac{1}{14} = 6590 \text{ kgm}$$

$$\omega = 0,20 ; A = 6,40 \text{ cm}^2$$

$$\text{toegepast } 3\Phi 18 \rightarrow A = 7,62 \text{ cm}^2$$