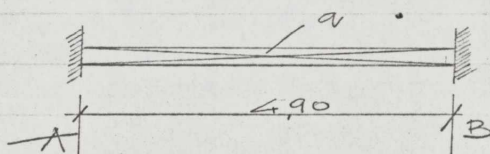


Balk in stramien 1 (Kelder)

Belasting

$$\begin{aligned}
 \text{Tau Kelderboer } 1000 \times 2,94 \times \frac{1}{2} &= 1470 \text{ Kg/m}' \\
 \text{Tau Kelderwand } (3,45 + 0,21) \times 0,20 \times 2400 &= 1760 \text{ Kg/m}' \\
 \text{Tau balk in str 1; } 0,45 \times 0,20 \times 2400 &= 220 \text{ Kg/m}' \\
 \hline
 q &= 3450 \text{ Kg/m}'
 \end{aligned}$$

$$T_A = T_B = 3450 \times 4,90 \times \frac{1}{2} = 8450 \text{ Kg}$$

$$M_A = M_B = -3450 \times 4,90^2 \times \frac{1}{12} = -6890 \text{ Kg m}$$

$$M_{AB} = 3450 \times 4,90^2 \times \frac{1}{24} = 5910 \text{ Kg m}$$

Steunpunt A en B

$$M_A = -6890 \text{ Kg m}$$

$$b = 40 \text{ cm}$$

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

$$k_y = 0,457$$

$$k_z = 0,961$$

$$w = 0,227$$

$$; A = 54,5 \text{ cm}^2$$

$$\text{toegepast. } 3 \text{ F } 16 ; A = 6,03 \text{ cm}^2$$