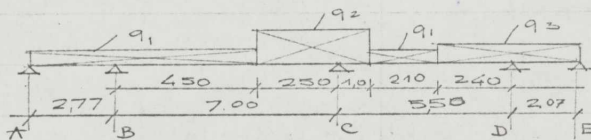


Plattegrond 2° Verdieping

Plaat tussen os A en B

Belasting

$$\begin{aligned}
 \text{e.g. vloer} & 0,18 \times 2400 = 435 \text{ kg/m}^2 \\
 \text{qfw} & = 135 \text{ --} \\
 \text{nb.} & = 300 \text{ --} \\
 \hline
 q_1 & = 870 \text{ kg/m}^2
 \end{aligned}$$

$$\begin{aligned}
 \text{e.g. vloer} & 0,18 \times 2400 = 435 \text{ kg/m}^2 \\
 \text{qfw} & = 65 \text{ --} \\
 \text{nb} & = 1000 \text{ --} \\
 \hline
 q_2 & = 1500 \text{ kg/m}^2
 \end{aligned}$$

$$\begin{aligned}
 \text{e.g. vloer} & = 435 \text{ kg/m}^2 \\
 \text{qfw} & = 135 \text{ --} \\
 \text{metselwerk} & = 300 \text{ --} \\
 \text{nb.} & = 150 \text{ --} \\
 \hline
 q_3 & = 1020 \text{ kg/m}^2
 \end{aligned}$$

Primaire momenten

$$M_{BAq} = -870 \times 2,77^2 \times \frac{1}{8} = \underline{\underline{-837 \text{ kgm}}}$$

$$M_{BAg} = -570 \times 2,77^2 \times \frac{1}{8} = \underline{\underline{-547 \text{ kgm}}}$$

$$\begin{aligned}
 M_{BCq} &= 870 \times 7,0^2 \times \frac{1}{12} + \frac{630 \times 2,50^3}{12 \times 7,0^2} (4 \times 7,0 - \\
 &\quad - 3 \times 2,50) = \underline{\underline{3810 \text{ kgm}}}
 \end{aligned}$$

$$M_{BCg} = 570 \times 7,0^2 \times \frac{1}{12} = \underline{\underline{2330 \text{ kgm}}}$$