

Beton K 225; Staal Qr 40

$$K_{(vx)} = 0,359 ; w = 0,372 ; A = 6,14 \text{ cm}^2$$

toegepast $\Phi 12 - 18 \rightarrow A = 6,28 \text{ cm}^2$

$$w_{vy} = w_{iy} = 0,2 \text{ pract.} \rightarrow A_{vy} = A_{iy} = 3,60 \text{ cm}^2$$

toegepast $\Phi 10 - 20 \text{ cm} ; A = 3,93 \text{ cm}^2$

Plaat tussen stramien CD en E

Kruisvoet met $l_y = 4,91 \text{ m}$ K 225; Qr 40

$$l_x = 4,50 \text{ m}$$

$$q_f = 870 \text{ kg/m}^2$$

$\frac{l_y}{l_x} = 1,09$ tabel 3.5 Beton kalender S. 205

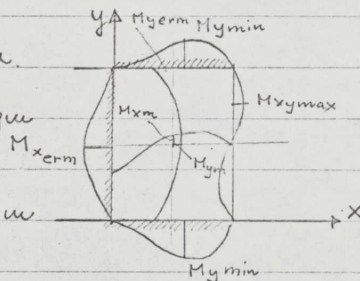
$$l_x = 16,5 \text{ cm} ; l_y = 15,5 \text{ cm}$$

$$M_{x\text{erm}} = - \frac{870 \times 4,50^2}{15,79} = -1130 \text{ kgm}$$

$$M_{y\text{min}} = - \frac{870 \times 4,50^2}{14,94} = -1220 \text{ kgm}$$

$$M_{x\text{m}} = \frac{870 \times 4,50^2}{47,44} = 372 \text{ kgm}$$

$$M_{y\text{m}} = \frac{870 \times 4,50^2}{43,74} = 402 \text{ kgm}$$



$$K_{x\text{erm}} = 0,490 ; w_{\text{pract.}} = 0,20 ; A = 3,60 \text{ cm}^2$$

toegepast $\Phi 10 - 20 ; A = 3,93 \text{ cm}^2$

$$K_{y\text{min}} = 0,47 ; w_{\text{pract.}} = 0,20 ; A = 3,60 \text{ cm}^2$$

toegepast $\Phi 10 - 20 ; A = 3,93 \text{ cm}^2$