

K 225 ; QR40 803-155

Stutaving Φ

$$M = 8910 \text{ kgm} \quad h = 16,5 \text{ cm} ; b = 1,00 \text{ m}$$

$$K_{\text{toelet}} = 0,213 \rightarrow \omega = 1,181$$

$$M_{\text{rest}} = 8910 - 6050 = 2860 \text{ kgm}$$

$$N' = \frac{286000}{16,5} = 17350 \text{ kg}$$

$$A_d = A' = \frac{17350}{2220} = 7,82 \text{ cm}^2$$

$$\omega_{\text{totaal}} = 1,181 \times 1,25 = 1,475$$

$$A_{\text{boven}} = 26,50 + 7,82 \times 1,25 = 36,28 \text{ cm}^2$$

$$\text{toegepast } \Phi 22-10 \quad A = 38,01 \text{ cm}^2$$

$$A_{\text{onder}} = 7,82 \times 1,25 = 9,78 \text{ cm}^2$$

$$\text{toegepast } \Phi 12-10$$

Strook A (bij stutaving A)

$$l = 1,65 \text{ m} ; b = 50 \text{ cm} ; h = 16,5 \text{ cm}$$

Belasting

$$\text{e.g. + nb} = 870 \text{ kg/m}^2$$

$$\text{van reactie } R_{A(\text{trap})} = 4790 \text{ kg/m}^2$$

$$q_f = 5660 \text{ kg/m}^2$$

$$R_A = 5660 \times 1,65 \times \frac{1}{2} = 4670 \text{ kg}$$

$$M_{\text{strook}} = 5660 \times 1,65^2 \times \frac{1}{10} = 1540 \text{ kgm}$$

Wapruing

$$M = 1540 \text{ kgm} ; h = 16,5 \text{ cm} ; b = 0,5 \text{ m}$$

$$K = 0,297 \quad \omega = 0,563 \quad A = 9,23 \text{ cm}^2$$

$$\text{toegepast } 5\Phi 16 \quad A = 10,05 \text{ cm}^2$$