

Veldwapening A-B

$$M_{A-B} = 9653 \text{ kgm}$$

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

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

$$k = 0,432 ; \omega = 0,252 ; A = 7,51 \text{ cm}^2$$

$$\text{toegepast } 5 \Phi 14 ; A = 7,70 \text{ cm}^2$$

Steunpunt B

$$M_B = 12000 \text{ kgm}$$

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

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

$$k = 0,387 ; \omega = 0,317 ; A = 9,50 \text{ cm}^2$$

$$\text{toegepast } 2 \Phi 14 + 3 \Phi 18 ; A = 10,70 \text{ cm}^2$$

Veldwapening BC

$$M_{BC} = 3435 \text{ kgm}$$

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

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

$$\omega_{\min} = 0,2 ; A = 6,50 \text{ cm}^2$$

$$\text{toegepast } 5 \Phi 14 ; A = 7,70 \text{ cm}^2$$

$$M_A = 19095 \text{ kgm} \quad k = 0,307 ; k_z = 0,914$$

$$\sigma_A = \frac{20970}{60 \times 50 \times 0,914} = 7,65 \text{ kg/cm}^2$$

$$D_z = 60 \times 50 \times 7 \times 0,914 = 19200 \text{ kg}$$

practisch opbuigen!