

$$T_A = T_B = 6995 \times 4,06 \times \frac{1}{2} = 14000 \text{ kg}$$

$$M_A = M_B = -6995 \times 4,06^2 \times \frac{1}{12} = -9600 \text{ kg}$$

$$M_{A-B} = 6995 \times 4,06^2 \times \frac{1}{24} = 8220 \text{ kg}$$

Stempunt A en B

$$M_A = 9600 \text{ kgm}$$

$$K = 225$$

$$b = 70 \text{ cm}$$

$$Q_v = 40$$

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

$$\omega_{\min} = 0,2 ; A = 9,10 \text{ cm}^2$$

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

$$\text{MstA: } 10,70 \times 0,20 = 2,14 \text{ km } f_c = 18 \text{ cm}^2 + 2\Phi 22 \text{ c.c. etc.}$$

Veldwapening A-B

$$M_{A-B} = 8220 \text{ kg}$$

$$b = 70 \text{ cm}$$

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

$$\omega_{\min} = 0,2 ; A = 9,10 \text{ cm}^2$$

$$\text{toegepast } 4\Phi 18 ; A = 10,16 \text{ cm}^2$$

Schuine trekkradut t_{pv} A en B.

$$M_A = 9600 \text{ kgm} ; K = 0,20 ; K_z = 0,966$$

$$b = 70 \text{ cm}$$

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

$$T_A = 14000 \text{ kg}$$

$$\sigma_B = \frac{14000}{60 \times 50 \times 0,966} = 4,65 \text{ kg/cm}^2 < 7 \text{ kg/cm}^2$$

Tek Φ

