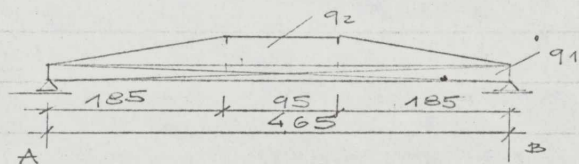


K 225; QR 40

Balk in as 7 en ||Belasting.

$$\begin{aligned} \text{Balk eig. gewicht} & (0,40 \times 0,45 + 0,16 \times 0,12) \times 2400 = 480 \text{ kg/m} \\ \text{Dan dak} & 4,14 \times 0,5 \times 220 = 455 \text{ kg/m} \\ \text{Dan metswerk} & 4,30 \times 360 + 0,33 \times 180 = 1610 \text{ kg/m} \\ & \underline{q_1 = 2545 \text{ kg/m}} \end{aligned}$$

 $q_2$  zie pag. 98 ;

$$q_2 = 1150 \text{ Kg}$$

$$M_{A-B} = 2545 \times 4,65^2 \times \frac{1}{8} + \frac{1150 \times (3 \times 4,65^2 - 4 \times 1,85^2)}{24} =$$

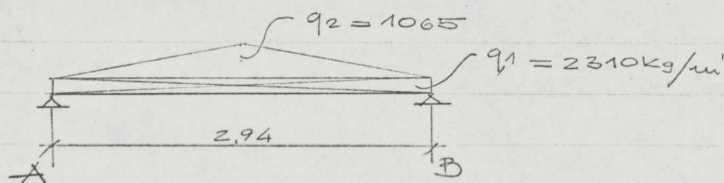
$$M_{A-B} = 9250 \text{ Kgm}$$

Wapening:

$$b = \frac{3}{2} \times 45 + \frac{1}{2} \times 40 = 87,5 \text{ cm.}$$

$$h = 42 \text{ cm}; \quad K = 0,395; \quad W = 0,304; \quad A = 11,20 \text{ cm}^2$$

$$\text{toegepast } 6 \text{ } \Phi 16 \quad A = 12,06 \text{ cm}^2$$

Balk in as || dilatatie (directiekamer)

$$\begin{aligned} \text{Balk eig. gewicht} & (0,40 \times 0,45 + 0,16 \times 0,12) \times 2400 = 480 \text{ kg/m} \\ \text{Dan dak} & = 220 \text{ kg/m} \\ \text{Dan metswerk} & \text{zie boven!} = 1610 \text{ kg/m} \\ & \underline{q_1 = 2310 \text{ kg/m}} \end{aligned}$$