



$$M = \frac{1}{6} \times (109735 - 40000) \times 2,00 = 23200 \text{ kgm}$$

$$h = 60 \text{ cm}; \quad b = 35 + 65 = 100 \text{ cm}$$

$$K = 0,394; \quad \omega = 0,309; \quad A = 18,50 \text{ cm}^2$$

$$\text{toegepast } \Phi 18-13; \quad A = 19,55 \text{ cm}^2$$

$$h_1 = 35 \text{ cm}; \quad h_2 = 35 + 30 = 65 \text{ cm}; \quad h_3 = 120 \text{ cm}$$

$$b_1 = 60 \text{ cm}; \quad b_2 = 60 + 2 \times 30 = 120 \text{ cm}; \quad b_3 = 240 \text{ cm}$$

$$G_x = \frac{109735}{65 \times 120} = 13,81 \text{ kg/cm}^2 \quad G_y = 0$$

$$q = \frac{54867}{0,95 \times 60 \times 120} = 7,68 \text{ kg/cm}^2$$

$$\int - - \frac{13,81}{2} + \sqrt{\left(\frac{13,81}{2}\right)^2 + 7,68^2} = -6,95 + 10,68 = 3,73 \text{ kg/cm}^2$$