

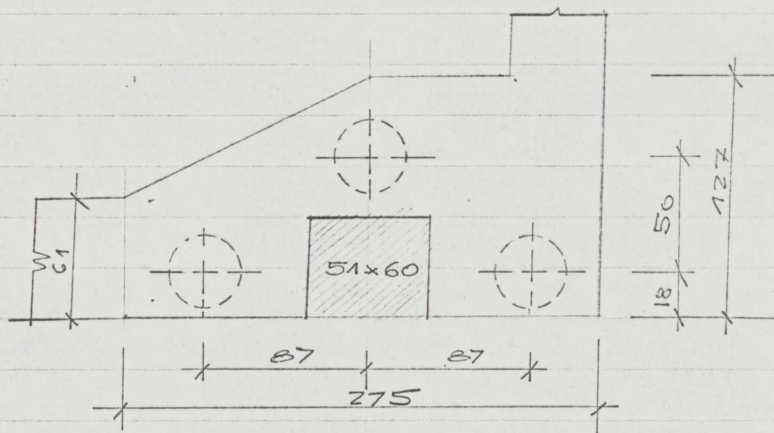
Poer E-6

afmeting:  $l = 2,50 \text{ m}$   
 $b = 61 \text{ cm}$   
 $h = 60 \text{ cm}$

Kolom afm.  $51 \times 60 \text{ cm}$

P zie gewichtsberekening E 6

$P = 109305 \text{ Kg}$



$$M = \frac{1}{6} \times 109305 \times 1,74 = 31700 \text{ kgm}$$

$$w = 60 \text{ cm}; \quad k = 0,364; \quad \omega = 0,358$$

$$b = 51 + 65 = 116 \text{ cm} \quad A = 24,90 \text{ cm}^2$$

$$\text{toegepast } \Phi 18-11^5 A = 22,15 \text{ cm}^2 \text{ (op 1 m')}$$

$$l_1 = 51 \text{ cm}; \quad l_2 = 51 + 30 = 81 \text{ cm}; \quad l_3 = 127 \text{ cm}$$

$$b_1 = 60 \text{ cm}; \quad b_2 = 60 + 2 \times 30 = 120 \text{ cm}; \quad b_3 = 275 \text{ cm}$$

$$\sigma_x = \frac{109305}{81 \times 120} = 11,25 \text{ kg/cm}^2 \text{ (hor)} \quad \sigma_y = 0$$

$$\sigma_z = \frac{54652}{0,95 \times 60 \times 127} = 7,55 \text{ kg/cm}^2 \text{ (vert)}$$

$$\rho = -\frac{11,25}{2} + \sqrt{\left(\frac{11,25}{2}\right)^2 + 7,55^2} = -5,62 + 9,40 = 3,78 \text{ kg/cm}^2$$