

veld c.

$$l_y = 253^5 \text{ cm} \quad b_x = 62^5 \text{ cm} \quad l_y/l_x = 253^5/152^5 = 1.67$$

$$l_x = 152^5 \text{ cm} \quad b_y = 138 \text{ cm}$$

$$h_b = 12^5 \text{ cm} \quad P.S. = 4400 \text{ kgf} \quad q = 500 \text{ kgf/m}^2$$

tabel XII - I

$$m_x = a_1 = -0.0062 \quad m_y = a_1 = -0.001$$

$$a_2 = -0.0052 \quad a_2 = -0.116$$

$$a_3 = 0.258 \quad a_3 = 0.178$$

$$a_4 = 0.775 \quad a_4 = 0.536$$

tabel XII - VII

$$m_{ix} = a_1 = 0.024$$

$$a_2 = 0.249$$

$$a_3 = -0.520$$

$$a_4 = 1.561$$

$$m_x = \frac{-0.062 \times \frac{0.62^5}{1.52^5} - 0.052 \times \frac{1.38}{2.53^5} + 0.258}{\frac{0.62^5}{1.52^5} + \frac{1.38}{2.53^5} + 0.775} \times 4400 =$$

$$\frac{-0.02254 - 0.02283 + 0.258}{0.41 + 0.544 + 0.775} \times 4400 = \underline{\underline{520 \text{ kgfm}}}$$

$$m_y = \frac{-0.001 \times \frac{0.62^5}{1.52^5} - 0.116 \times \frac{1.38}{2.53^5} + 0.178}{\frac{0.62^5}{1.52^5} + \frac{1.38}{2.53^5} + 0.536} \times 4400 =$$

$$\frac{-0.00041 - 0.063 + 0.178}{0.41 + 0.544 + 0.536} \times 4400 = \underline{\underline{340 \text{ kgfm}}}$$

$$m_{ix} = \frac{0.024 \times \frac{0.62^5}{1.52^5} + 0.249 \times \frac{1.38}{2.53^5} - 0.520}{\frac{0.62^5}{1.52^5} + \frac{1.38}{2.53^5} + 1.561} \times 4400 =$$

$$\frac{0.00985 + 0.1355 - 0.520}{0.41 + 0.544 + 1.561} \times 4400 = \underline{\underline{656 \text{ kgfm}}}$$

belasting b.q.v. q tabel VIII - VB

$$m_{ix} = m_{yx} = 0.086 \times 500 \times 1.525^2 = 100 \text{ kgfm}$$

$$m_{vy} = 0.020 \times 500 \times 1.525^2 = 23 \text{ kgfm}$$