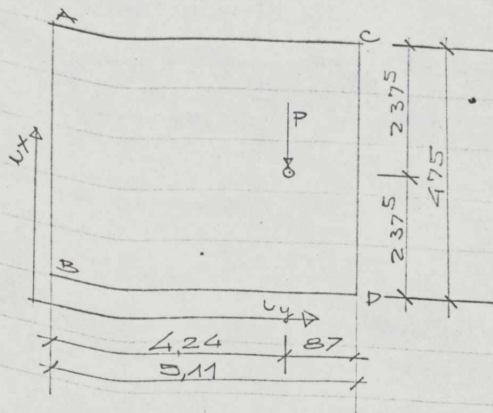


K 225, QR40

803-93

Kruisvloer Kruis. Begane Grond



Belasting

e.g. plaste $0,40 \times 2400 = 960 \text{ kg/m}^2$
 afw. $= 135 \text{ kg/m}^2$
 mb. $= 300 \text{ kg/m}^2$
 $q = 1395 \text{ kg/m}^2$

$P = 61850 \text{ kg}$ zie pag. ; afm. kolom: $l_x = 40 \text{ cm}$;
 $\frac{l_y}{l_x} = \frac{511}{475} = 1,07$ $l_y = 34 \text{ cm}$;

geval. II tabel XII G.B.V.

$\frac{l_x}{l_x} = \frac{40}{475} = 0,084$;

$\frac{l_y}{l_y} = \frac{34}{511} = 0,066$;

$M_x = \frac{-0,061 \times 0,084 - 0,020 \times 0,066 + 0,134}{0,084 + 0,066 + 0,40} \times 61850 = 14200 \text{ kgm}$

$M_y = \frac{-0,017 \times 0,084 - 0,066 \times 0,066 + 0,130}{0,084 + 0,066 + 0,390} \times 61850 = 14200 \text{ kgm}$

$M_{ix} = \frac{0,057 \times 0,084 + 0,141 \times 0,066 - 0,362}{0,084 + 0,066 + 1,086} \times 61850 = -14820 \text{ kgm}$

$M_{iy} = \frac{0,120 \times 0,084 + 0,063 \times 0,066 - 0,333}{0,084 + 0,066 + 1,001} \times 61850 = -18080 \text{ kgm}$