

Fundatieberekening op palen.

Max. toelaatbare paalbel: 100 kN/p. ✓

Balkafm: 350 x 400 mm. ✓

$A_{400 \text{ min}} = 210 \text{ mm}^2$ $M_A = 1.7 + 1.6 \text{ kN.m.}$

Id. toelaatbaar = 64. - kN → $\frac{64000}{b \times h} = 0.55 \text{ N/mm}^2$

Getekend met de T1.59 + PC100^c (printel)



ACHTERGEVELBALK, f.p.u. terras

typ f: A. $h = 3.82 \text{ m}$ afm: 0.35 x 0.40 m

Bel. f.p.u. pui: g.balk = 3.5 kN/m²
 v-pui = 2.5 " "
 m.w: 4 x 0.35 = 1.4 " "
 $q = 7.4 \text{ kN/m}^2$ ✓

Bel. f.p.u. met overlapt b
 g.balk = 3.5 kN/m² ✓
 m.w: 4 x 4.3 = 20.8 " " ✓
 kap + goot
 $q = 25.3 \text{ kN/m}^2$ ✓

P.f.w.z.v. kozijn: $\frac{3.4}{2} + (\text{kap + goot}) = 1.7 \text{ kN}$



$$R_A = \frac{3.82}{2} \times 7.4 + \frac{17.9 \times 0.50 \times 3.87}{3.82} + \frac{1.7 \times 3.82}{3.82} = 14 + 8.5 + 1.5 = 24 \text{ kN} \checkmark$$

$$R_B = 14 + 0.5 + 0.2 = 14.7 \text{ kN} \checkmark$$

Totaal op B = 14.7 + 1.7 = 16.4 kN

$$M_{\text{max}} = \frac{14.7^2}{2 \times 7.4} = 15 \text{ kN.m} \checkmark$$

$A_{400 \text{ min}} = 210 \text{ mm}^2$ ✓ $m < 16 \text{ kN.m.}$

Id. $L_{\text{ass}} \text{ N/mm}^2$ $R < 38 \text{ kN}$