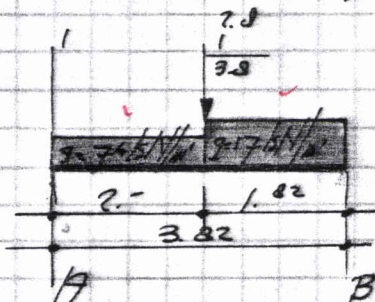


VOORGEVELBALK

type: A (aansluiting met schuur) $l_b = 3.82$
 afm: 0.35 x 0.40 m Bel. t.p.u. pui, als oekrafgaaf.
 $q = 7.4 \text{ kN/m} \checkmark$

Bel. t.p.u. schuur / w.c.
 a.g. balk = 3.50 kN/m
 mw. 4.0 + 3.0 = 12.75 " "
 toev. = 0.75 " "
 $q = 17.0 \text{ kN/m} \checkmark$

P. tw. 2 v. kozijn: $\frac{2}{3} \times (\text{kap} + \text{goot}) = 1 \text{ kN}$
 P. uit zijgevel balk v. schuur = 2.8 kN \checkmark



$$R_A = \frac{3.82}{2} \times 7.4 + \frac{1/2 \times 1.82^2 \times 9.6}{3.82} + \frac{3.4 \times 1.82}{3.82} = 14 + 4 + 1.6 = 19.6 \text{ kN} \checkmark$$

$$R_B = 14 + 13.5 + 2 = 29.5 \text{ kN} \checkmark$$

$$B \text{ Totaal op } A = 19.6 + 1 = 20.6 \text{ kN}$$

$$M_{\text{max}} = \frac{29.5^2}{2 \times 17} = 2.6 \text{ kNm} \checkmark$$

$$\frac{m_u}{b \cdot l^2} = \frac{1.7 \times 2.6}{0.35 \times 0.35^2} = 1030 \text{ kN/m}^2 \quad A_{400} = 331 \text{ mm}^2$$

$2 \times 710 + 2 \times 712 = 380 \text{ mm}^2$

$$\sigma_d < 0.55 \text{ N/mm}^2 \quad R < 38 \text{ kN}$$

type: B. $l_b = 2 \times 3.82 \text{ m}$ afm: 0.35 x 0.40 m

Bel. t.p.u. pui, als achtergevel.
 $q = 7.4 \text{ kN/m} \checkmark$

Bel. t.p.u. metselw. a.g. balk = 3.5 kN/m
 mw. 4.2 + 4.7 = 20.8 " "
 Kap + goot = 1.0 " "
 $q = 25.3 \text{ kN/m} \checkmark$