

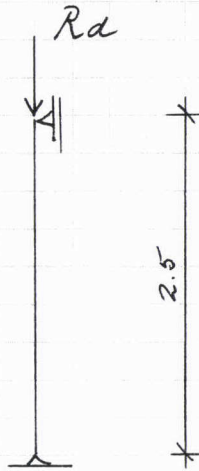


VP constructeurs BV

Blad no.: 21

Project no.: _____

Kolom in achtergevel



R_d uit legger achtergevel: 60.68 kN

HE160A : $A = 3877 \text{ mm}^2$
 $i_2 = 39.8 \text{ mm}$

$$\lambda_y = \frac{2500}{39.8} = 62.8$$

$$\lambda_{y \text{ rel}} = \frac{62.8}{93.9} = 0.67 \longrightarrow \omega_{buc} = 0.74$$

$$N_{c;u;d} = 0.74 \cdot 3877 \cdot 235 = 674 \text{ kN.}$$

$$u.c. = \frac{61}{674} = 0.1 < 1.0 \quad \text{Voldoet.}$$