q_d = $1{,}35 \times 3{,}9$ = $5{,}3$ kN/m'

F_g = PEHANT = $1{,}4 \times 0{,}4\ (2{,}0 - 0{,}5)$ = $0{,}85$ kN

F_d = $1{,}35 \times 0{,}85$ = $1{,}2$ kN

MOMENT : $+M_d = 1/8 \times 2{,}8^2 \times 5{,}3 + 1/4 \times 2{,}8 \times 1{,}2$ = $6{,}1$ kNm

$\sigma_d = 6{,}1 \times 10^6 / 79 \times 10^3 = 78$ N/mm^2

KIP DOOR KORTE OVERSP. NIET MAATGEVEND

ZAKKING : $u_t = 5/48 \times 6{,}1/1{,}3 \times 10^6 \times 2800^2 / 210000 \times 349 \times 10^6 = 5{,}2$ mm

$u_t/L = 5{,}2/2800 = 0.0019$ (GOEDKEUR)

REACTIES : $R_d = 2{,}8/2 \times 5{,}3 + 1.2/2 = 8{,}0$ kN

OPLEGVLAK : 100×100 mm

$\sigma_d = 8{,}0 \times 3/2 \times 10^3 / 100 \times 100 = 1{,}2$ N/mm^2

STEEN : $15{,}0$ N/mm^2
MORTEL : $2{,}5$ " $\Big) f_{rep} = 3{,}0$ N/mm^2

$f_{vd} = f_{rep}/\gamma_m \times \gamma_n = 3{,}0/1{,}8 \times 1{,}3 = 2{,}15$ N/mm^2 (GOEDKEUR)

PEHANT : 400×100 mm NAAST VOORDEUR $L = 2{,}5$ m'

BELASTINGEN : $R_d = 8{,}0 + 1{,}0/2 \times 5{,}3 = 10{,}7$ kN

KNIK $e_0 = 10$ mm $e_0/h_t = 10/100 = 0{,}1$

$L_c/h_t = 2500/100 = 25$ $\quad C = 0{,}26$

$\sigma_d = 10{,}7 \times 10^3 / 0{,}26 \times 400 \times 100 = 1{,}0$ N/mm^2 (GOEDKEUR)