

$$N = 0.5 \times 11.9 \times 5.1 = 30.3 \text{ kN}$$

$$N_d = 0.5 \times 14.6 \times 5.1 = 37.2 "$$

$$M_{knoop} = 4.4 \text{ kN.m.}$$

$$M_d = 5.4 "$$

$$l_k = 2 \times 2500 \text{ mm.}$$

### latei boven erker

e.g. plat: 1.6 x 1 =	1.6 kN/m	}	2.5
e.g. kap: 60% x 1 x 1 =	0.6 "		
e.g. latei	0.3 "		
Sar. bel. plat: 1.6 x 1 =	1.6 "	}	2.2
" " kap: 60% x 1 x 1 =	0.6 "		
$q = 4.7 "$			

$$q_{cl} = 1.2 \times 2.5 + 1.3 \times 2.2 = 5.9 \text{ kN/m}$$

$$M = 0.125 \times 5.9 \times 4.2^2 = 13 \text{ kN.m}$$

$$\hat{W} = 13 \times 10^6 : 235 = 55 \times 10^3 \text{ mm}^3$$

$$\hat{I} = 2.5 \times 4.7 \times 4.2^3 \times 10^4 = 871 \times 10^4 \text{ mm}^4$$

$$f < 0.0025 l$$

Toepassen HE 140 A  $f = 9 \text{ mm}$

100 mm opleggen