



BEMESSUNG:  $b|d|h = 1.70|45|44$

$M_{min1} = -31.5 \text{ Mpm}; k_n = 41 \sqrt{\frac{31.5}{1.70}} = 97.5; f_{IIIb} = \frac{0.47 \cdot 31.5}{0.41} = 36.1 \text{ cm}^2 \therefore 12 \phi 20$   
 $M_{min2} = -10.9 \text{ Mpm}; k_n = 41 \sqrt{\frac{10.9}{1.70}} = 16.2; f_{IIIb} = \frac{0.45 \cdot 10.9}{0.41} = 12.0 \text{ cm}^2 \therefore 4 \phi 20$   
 $M_{max} = +5.0 \text{ Mpm}; k_n = 41 \sqrt{\frac{5.0}{1.70}} = 24.0; f_{IIIb} = \frac{0.44 \cdot 5.0}{0.41} = 5.4 \text{ cm}^2 \therefore 3 \phi 16$

$Q_{max} = \text{STAB 6}$   
 $Q = 31.83$   
 $\tau = \frac{31.830}{170 \cdot 0.9 \cdot 42} = 4.96 \text{ kp/cm}^2$

5.98	9.26	7.02	5.74	5.44	5.60	5.84	6.37	7.04	7.65	8.15	8.58
11.05	8.43	6.47	5.44	5.49	5.65	5.99	6.59	7.25	7.83	8.30	8.71
10.15	7.67	6.05	5.41	5.55	5.73	6.17	6.82	7.46	8.00	8.44	8.83
9.26	7.02	5.74	5.44	5.60	5.84	6.37	7.04	7.65	8.15	8.58	8.98
36.44	32.38	25.28	22.03	22.08	22.82	24.37	26.82	29.40	31.63	33.47	30.60

FUNDAMENTBREITE  
 $b = 1.70 \text{ m}$

$\sigma = \frac{\sqrt{36.5}}{1.70} = 21.5 \frac{\text{MP}}{\text{m}^2}$   
 $M = \frac{21.5 \cdot 0.77^2}{2} = 6.4 \text{ Mpm/m}$   
 $k_n = 42 \sqrt{6.4} = 16.6$   
 $f_{IIIb} = \frac{0.38 \cdot 6.4}{0.42} = 5.81 \text{ cm}^2/\text{m} \rightarrow R 589$

HAUS A MO-EW  
 ACHSE ②  
 WIE  
 HAUS G (MORO)  
 FUNDAMENT IN  
 ACHSE ①