

$$h_0 = h \cdot 0,7 = 4,20 \text{ m} \cdot 0,7 = 2,94 \text{ m}$$

$$m = \frac{h_0}{a} = \frac{2,94 \text{ m}}{15 \text{ cm}} = 19,6 > 12 \quad \underline{\text{SNELLO}}$$

$$\lambda \approx \frac{h_0}{S_{MIN}(i_{min})}$$

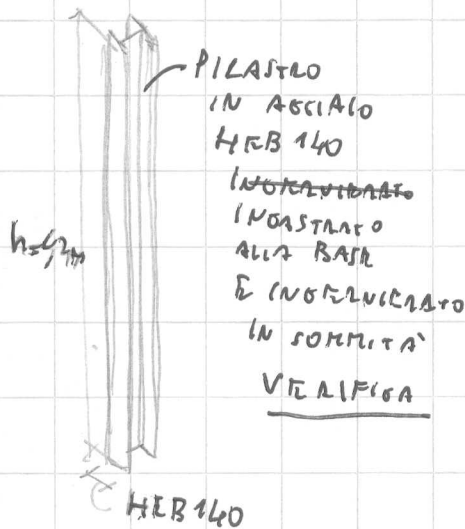
$$\rightarrow S_{MIN} = \sqrt{\frac{I_{MIN}}{A}} = \sqrt{\frac{18 \times 15^3}{12}} = 4,33 \text{ cm}$$

$$\lambda = \frac{h_0}{4,33} = \frac{2,94}{4,33} = 67,8$$

$$\lambda \approx 67,8 \rightarrow w = 1,82$$

$$\sigma_{MAX} = \frac{P \cdot w}{A} = \frac{320 \text{ kN} \cdot 1,82}{15 \times 18 \text{ cm}^2} = 2,02 \frac{\text{kN}}{\text{cm}^2}$$

$$\downarrow \frac{2,02 \text{ kN}}{\text{cm}^2} = 20,2 \frac{\text{N}}{\text{mm}^2} < \bar{\sigma} = 85 \frac{\text{N}}{\text{mm}^2}$$



$$h_0 = h \cdot 0,7 = 4,20 \text{ m} \cdot 0,7 = 2,94 \text{ m}$$

$$m = \frac{h_0}{a} = \frac{2,94 \text{ m}}{14 \text{ cm}} = 21 > 20 \quad \underline{\text{SNELLO}}$$

$$\lambda = \frac{h_0}{S_{MIN}(i_{min})} = \frac{2,94 \text{ m}}{3,58} = 82$$

DA TABELLA

$$\lambda = 82 \rightarrow w = 1,48$$

PER TABELLA B
 ACCIAIO Fe360 $\rightarrow \bar{\sigma} = 160 \frac{\text{N}}{\text{mm}^2}$

$$\sigma_{MAX} = \frac{P \cdot w}{A} = \frac{300 \text{ kN} \cdot 1,48}{43 \text{ cm}^2} = 10,33 \frac{\text{kN}}{\text{cm}^2}$$

$$\downarrow \frac{103,3 \text{ kN}}{\text{cm}^2} = 103 \frac{\text{N}}{\text{mm}^2} < \bar{\sigma} = 160 \frac{\text{N}}{\text{mm}^2}$$

HEB 140

$\rightarrow A = 43 \text{ cm}^2$
 $\rightarrow i_{MIN} = 3,58$