

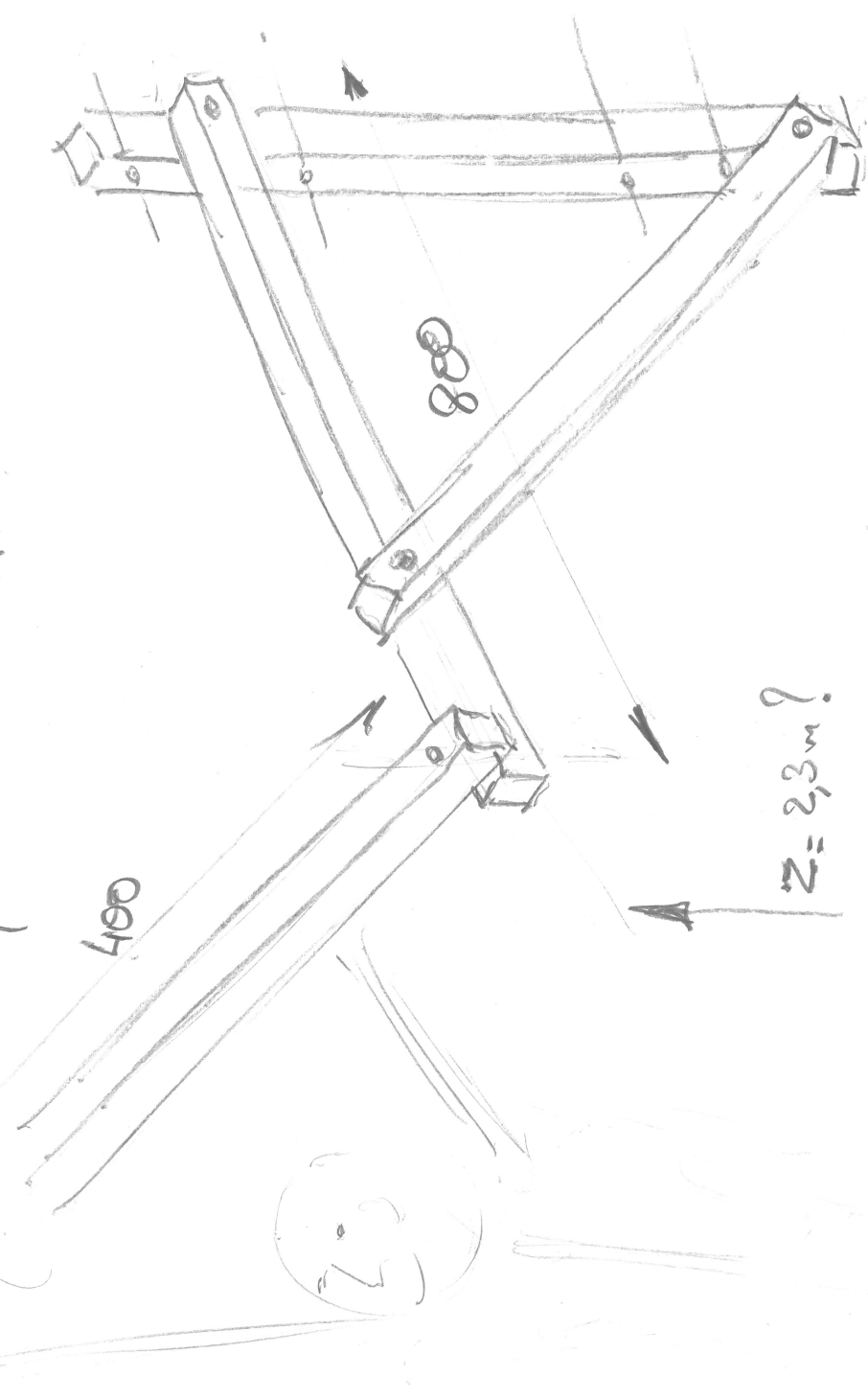
(2 axes simples)
 , charge centrale

$$Mf = \frac{F \cdot l}{4} = \frac{2000 \cdot 800}{4} = 400000 \text{ Nmm}$$

$$\sigma = \frac{Mf}{Iy} = \frac{400000}{37670} \approx 10.6 \text{ N/mm}^2$$

$$\tau = \frac{Mf}{Iz} = \frac{400000}{185} \approx 2162 \text{ N/mm}^2$$

Centric pour XZ



$z = 23 \text{ m}?$