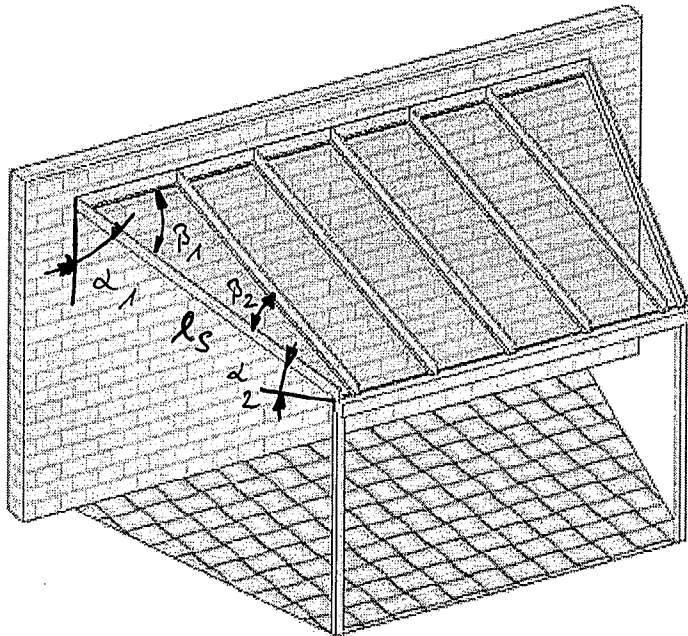
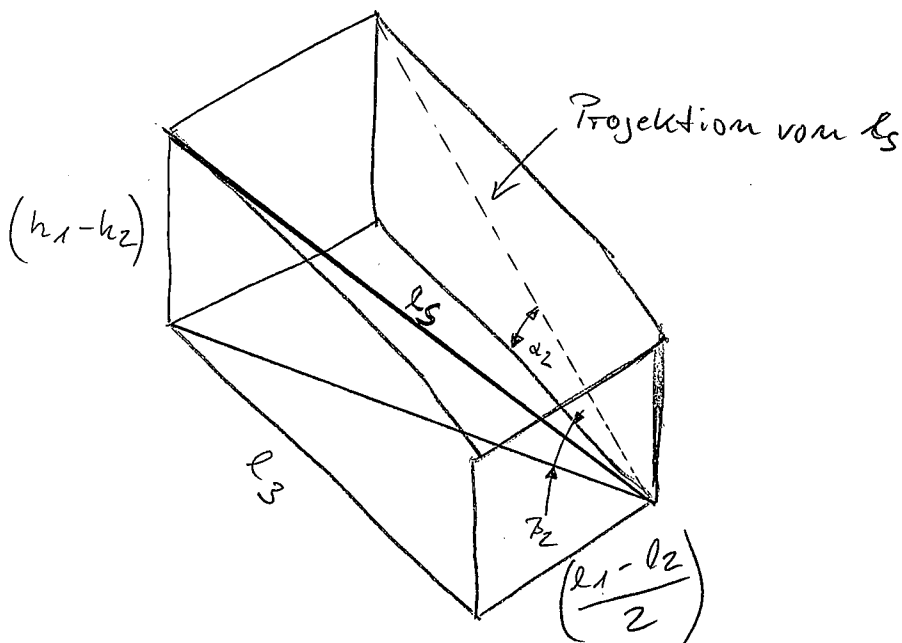


Geg.: l_1, l_2, l_3, h_1, h_2

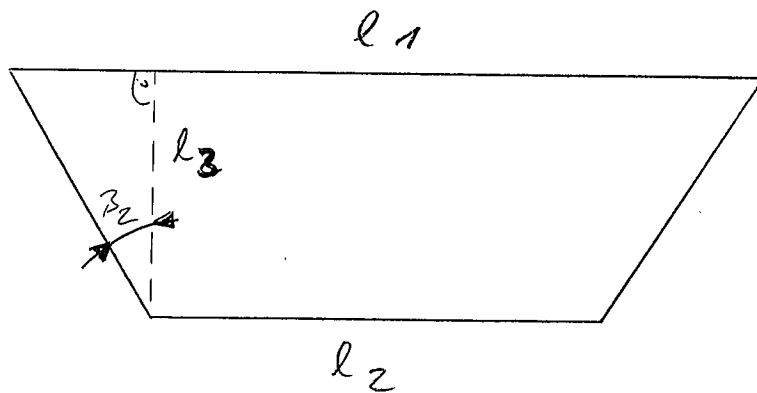


Ges: ~~$\alpha_1, \alpha_2, \beta_1, \beta_2, l_s$~~



$$l_s = \sqrt{(h_1 - h_2)^2 + \left(\frac{l_1 - l_2}{2}\right)^2 + l_3^2}$$

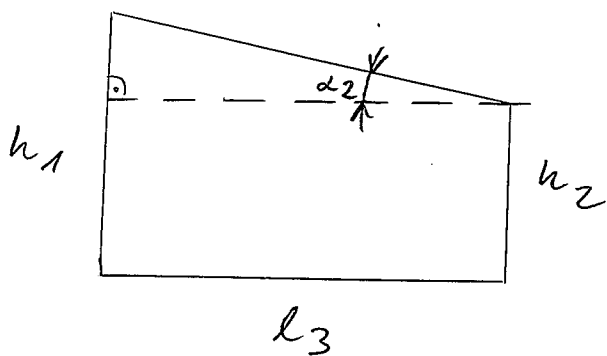
Dach Draufsicht (lotrecht zum Boden)



$$\tan \beta_2 = \frac{l_1 - l_2}{2} \cdot \frac{1}{l_3}$$

$$\Rightarrow \beta_2 = \arctan \frac{l_1 - l_2}{2 \cdot l_3}$$

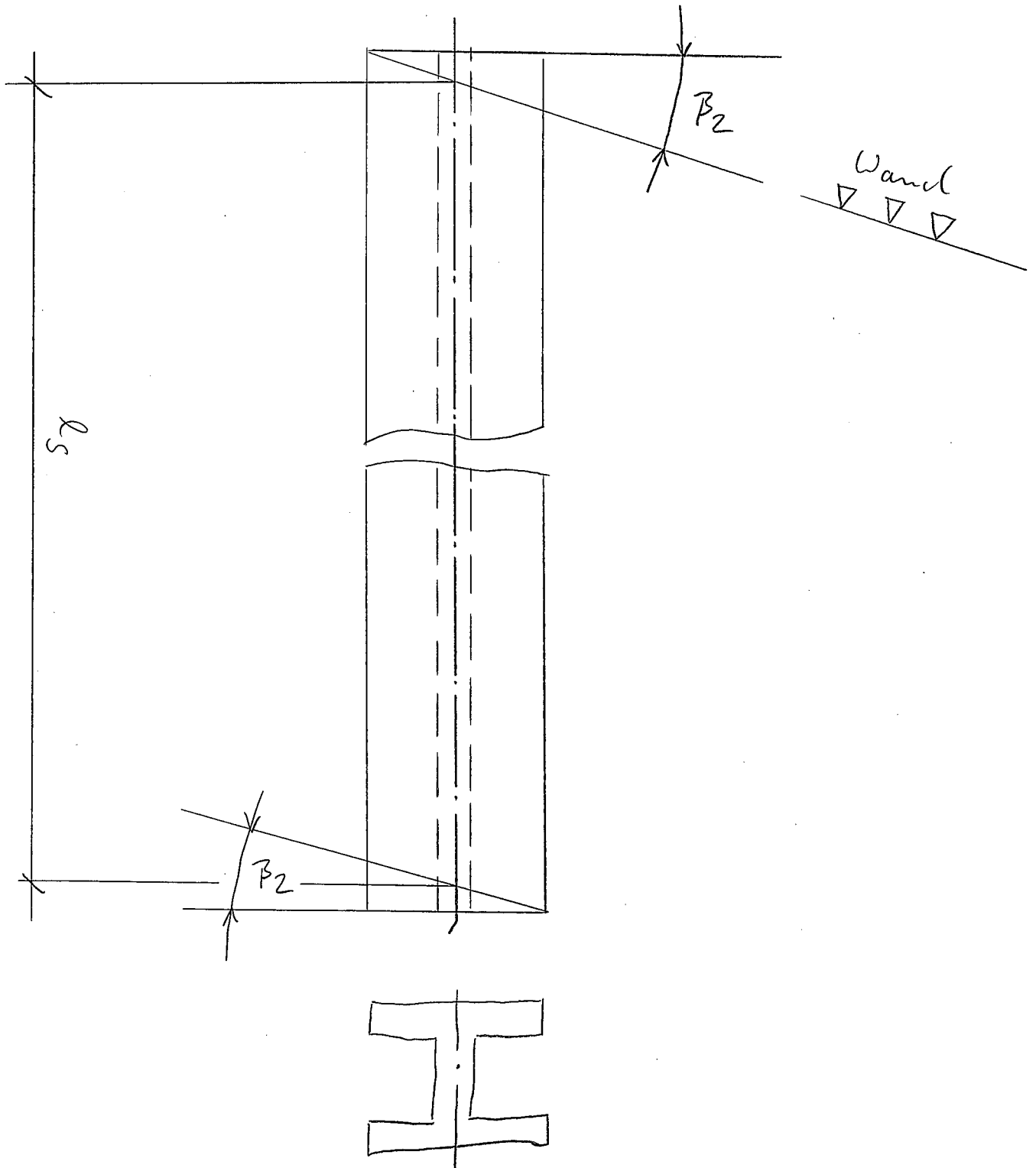
Dach Seitenansicht (parallel zur Wand)



$$\tan \alpha_2 = \frac{h_1 - h_2}{l_3}$$

$$\Rightarrow \alpha_2 = \arctan \left(\frac{h_1 - h_2}{l_3} \right)$$

Schnittwinkel Draufsicht linker Sparten
(lotrecht zum Boden)



Schnittwinkel Seitenansicht linker Sparren
(parallel zur Wand)

