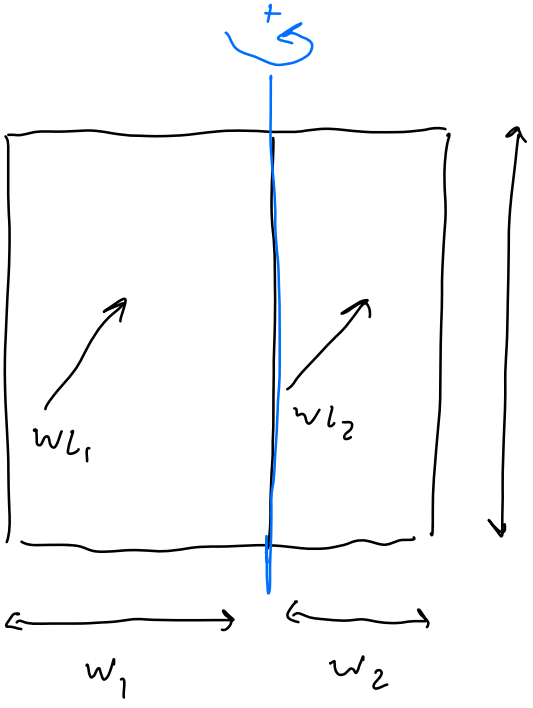
Wind load Calculations



L = Length

w_1 = width 1

w_2 = width 2

WL_1 = wind load 1

WL_2 = wind load 2

$a_1 = w_1 \times L$; area of section 1

$a_2 = w_2 \times L$; area of section 2

WL_1 = Wind Pressure $\times$ a_1

WL_2 = Wind Pressure $\times$ a_2

$$\text{Total Torque From Wind} = \left[\left(\frac{w_1}{2}\right) \times WL_1\right] - \left[\left(\frac{w_2}{2}\right) \times WL_2\right]$$