



Project S.R.	Made By	Check by	Date	Sheet No. of Sheets	Supv
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### LOCATION OF RESULTANT WIND FORCE

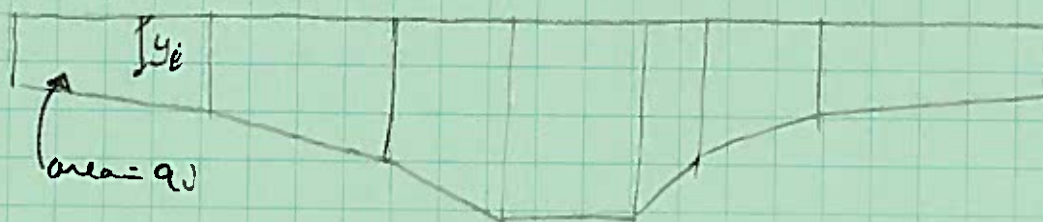
$$\bar{y} = \frac{\sum a_i w y_i}{\sum a_i w}$$

w = wind pressure

y<sub>i</sub> = centroid

a<sub>i</sub> = area

wind pressure normal to page



assume linear change in depth so a<sub>i</sub> is a trapezoid

