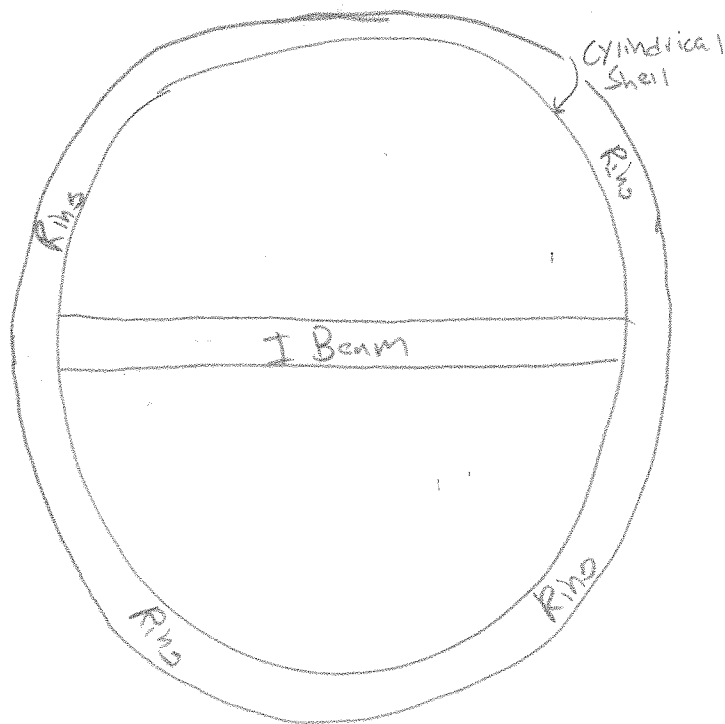
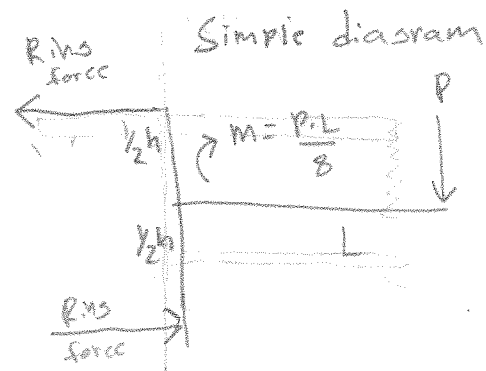
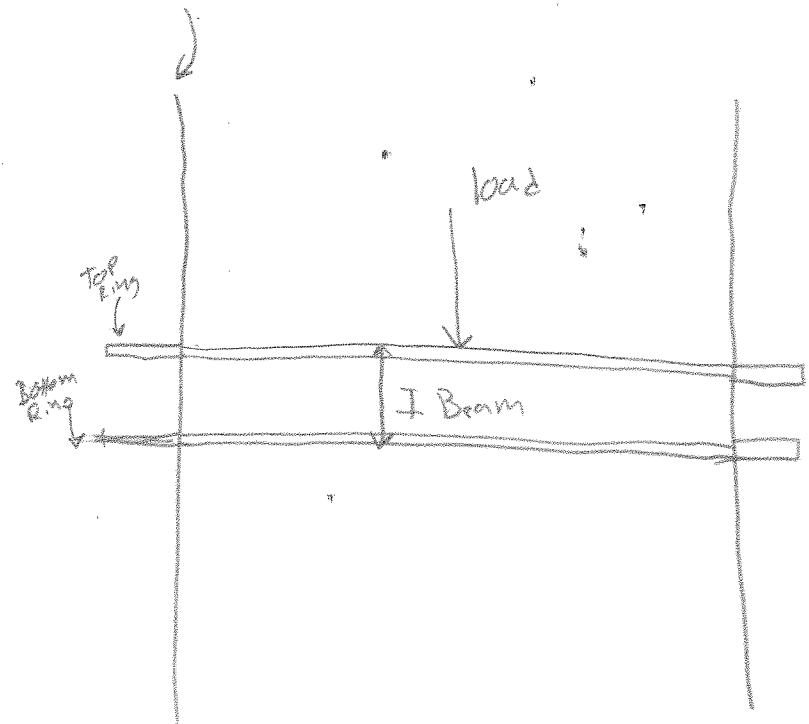


Top



$$M_{\max} (\text{center and ends}) = \frac{P \cdot L}{8}$$

Shell Side



$$\sum M = 0$$

$$M_{\text{ring}} = F_{\text{ring}} \cdot \frac{1}{2} \cdot \frac{1}{2} F_{\text{ring}} \cdot \frac{1}{2} \\ = F_{\text{ring}} \cdot h$$

$$\frac{P \cdot L}{8} = F_{\text{ring}} \cdot h$$

$$F_{\text{ring}} = \frac{\left(\frac{P \cdot L}{8} \right)}{h}$$