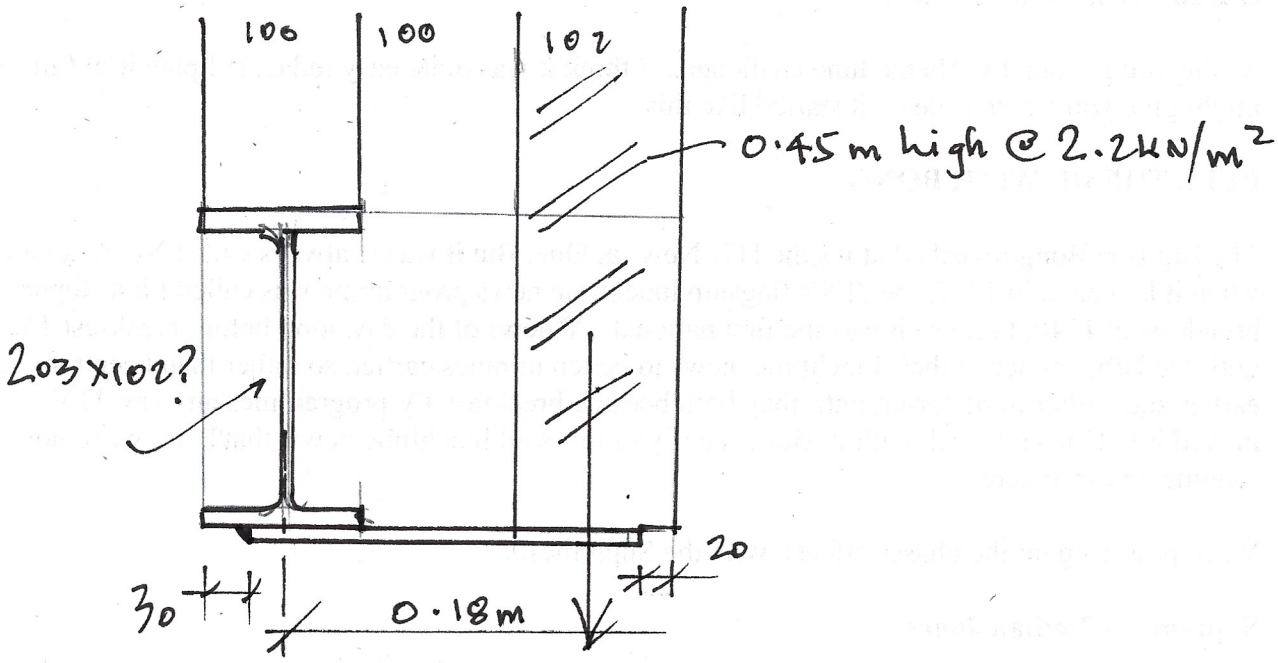

$0.45 \times 2.2 = 1.0 \text{ kN/m}$

$M_2 = 1.0 \times 0.18$

$= 0.18 \text{ kNm}.$

flange force $= \frac{0.18}{0.203}$

$= 0.9 \text{ kN}.$

$M_{ULT} = \frac{1.4 \times 0.9 \times 5.0}{8}$

$= 0.78 \text{ kNm}.$

Resist. by $\frac{1}{2} S_y = \frac{0.78 \times 2}{0.049}$

$= 31.8 \text{ N/mm}^2$

$31.8 \times 0.234 = 7.44 \text{ kNm}$