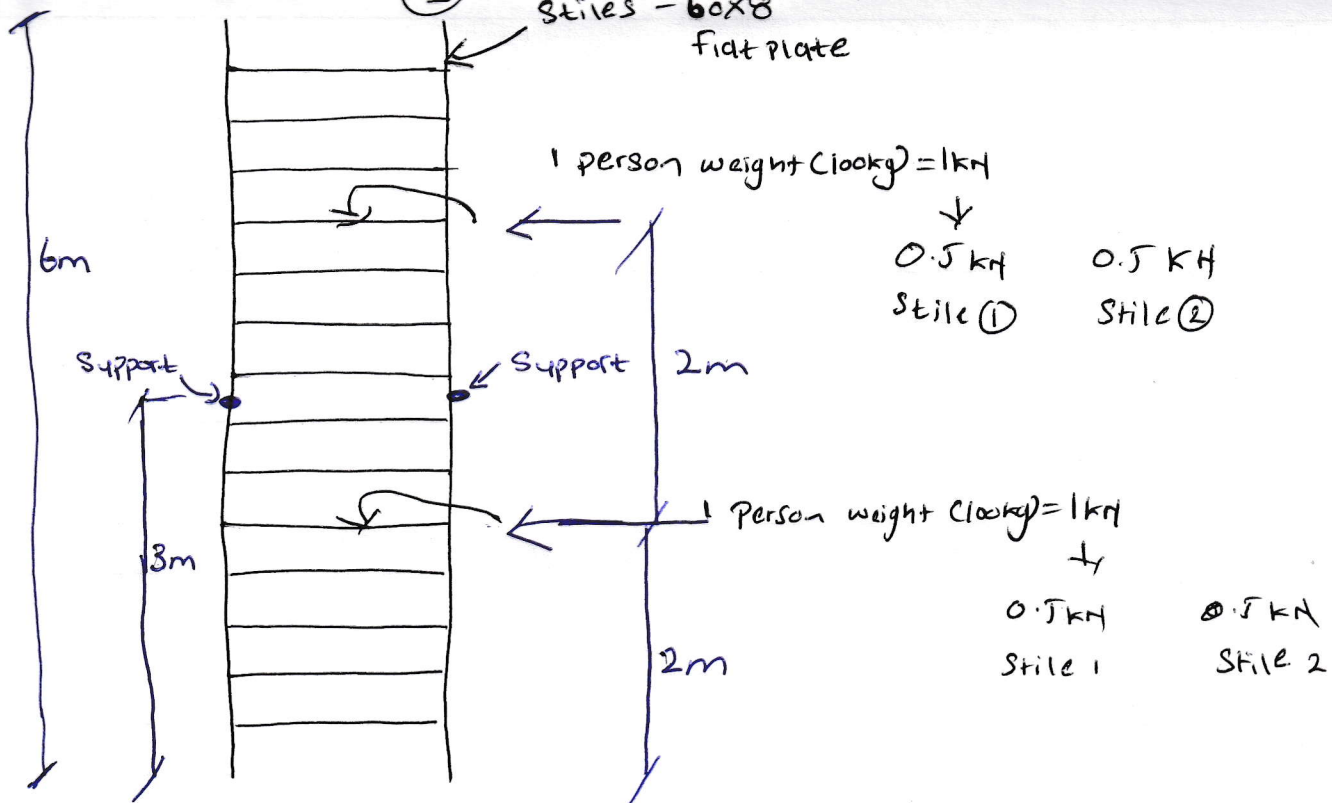
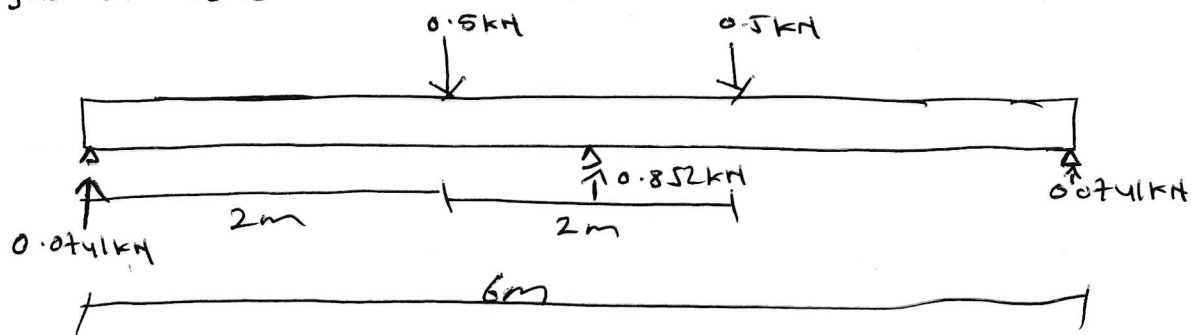




Analysis of Stile

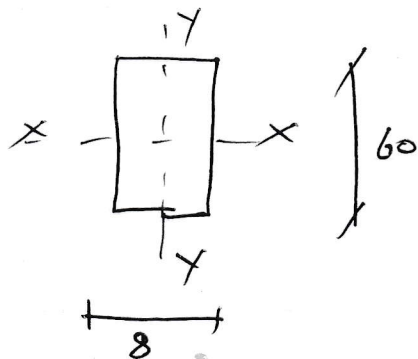


$$M = 0.278 \text{ kNm}$$

$$\text{Deflection} = 2.75 \text{ mm}$$

$$\text{Allowable deflection} = \frac{6000}{200} = 30 \text{ mm}$$

Flat plate 60x8



$$\text{moment Inertia } I_{xx} = 144000 \text{ mm}^4$$

$$\text{Plastic modulus} = 7200 \text{ mm}^3$$

$$\text{Moment resistance flat Plat } 60 \times 8$$

$$= \frac{7200 \times \text{material grade (235)}}{10^6}$$

$$= 1.692 \text{ kNm}$$