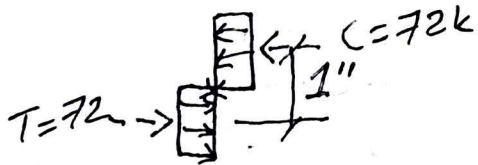


$$q = \frac{VQ}{I} = \frac{6k(3 \text{ in}^2)(0.5)}{\frac{(3)(2)^3}{12}}$$

$$q = \underline{4.5 \text{ kips/in}}$$

PLASTIC

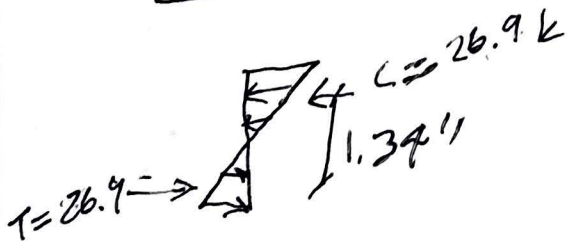


$$M = \frac{PL}{4} = \frac{12k(12'')}{4} = 36 \text{ k}\cdot\text{in}$$

$$\frac{36 \text{ k}\cdot\text{in}}{1''} = 36 \text{ kip}$$

$$\frac{36 \text{ kip}}{6''} = \underline{6 \text{ kips/in}}$$

ELASTIC



$$\frac{36 \text{ k}\cdot\text{in}}{1.34} = 26.9 \text{ k}$$

$$\frac{26.9 \text{ k}}{6''} \approx \underline{4.5 \text{ k/in}}$$