

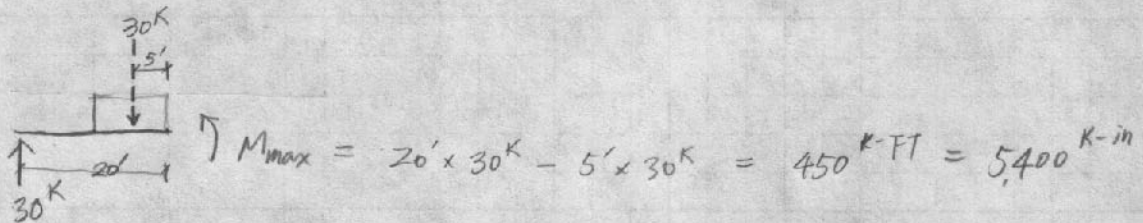
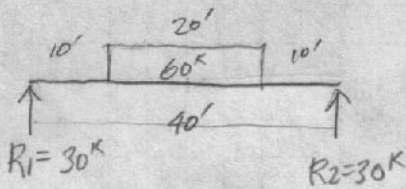
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14-1(3) g.



$$f_b = 30 \text{ ksi} \geq \frac{5,400 \text{ k-in}}{S}$$

$$\therefore S \geq \frac{5,400}{30} = 180 \text{ in}^3$$

FROM D-35 Choose W24x84 : $S = 196 \text{ in}^3$