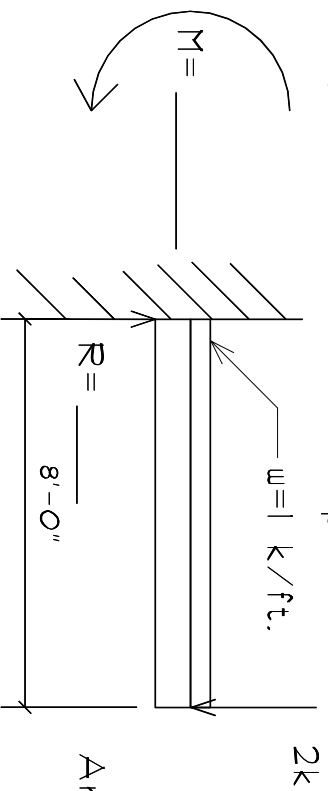


5. Assuming A36 steel, select the most economical W8 section. Check the shear stress and determine the deflection at the free end.  $F_b = 22$  ksi,  $F_y = 14.5$  ksi,  $E = 29,000$  ksi. Show all calculations. (10 pts.)



Answer: Beam size \_\_\_\_\_