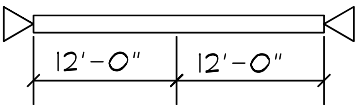


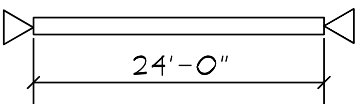
Arch 251 – Structural Analysis for Architects – Test #2

8. Select the appropriate W14 steel column section 24' long, braced at midheight about the weak axis, that supports a load of 350 kips. Top and bottom are pin connected. Use ASTM A36 steel. Show all calculations. (10 pts.)

Answer: Column size _____



Weak axis



Strong axis