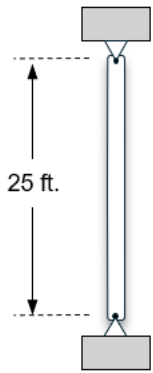
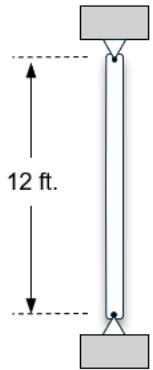


**Classroom Problem 4.3-1:** Use AISC Equation E3-2 or E3-3 and determine the nominal axial compressive strength of a **W14 x 68** of **A992** steel ( $F_y=50 \text{ ksi}$  and  $F_u=65 \text{ ksi}$ ) with pinned ends. Also, compute the design strength for **LRFD**.



**Classroom Problem 4.3-2:** Use AISC Equation E3-2 or E3-3 and determine the nominal axial compressive strength of a **W14 x 68** of **A992** steel ( $F_y=50 \text{ ksi}$  and  $F_u=65 \text{ ksi}$ ) with pinned ends. Also, compute the design strength for **LRFD**.



**Classroom Problem 4.3-3:** Determine the nominal axial compressive strength of a **HSS 8 x 6 x 1/2** of **A992** steel ( $F_y=50 \text{ ksi}$  and  $F_u=65 \text{ ksi}$ ) with one end pinned and the other fixed. Also, compute the design strength for **LRFD**.

