\[ H_{\text{elev}} = \tan(A_{\text{elev}}) \times D_{\text{wall}} \]

**EXAMPLE**

Choose or measure \( A_{\text{elev}} \) minimum desired or possible (if limited by trees) elevation (assume 25°)

Measure \( D_{\text{wall}} \) distance from telescope center to wall (assume 60")

Measure \( H_{\text{scope}} \) height of telescope centerline above floor

Calculate \( H_{\text{elev}} \)

\( \tan(25^\circ) = 0.466 \)

\( H_{\text{elev}} = 0.466 \times 60 \)

\( H_{\text{elev}} = 27.96" \)

Wall may be 27.96" above telescope centerline height (\( H_{\text{scope}} \))

Add \( H_{\text{scope}} \) to \( H_{\text{elev}} \) for total wall height