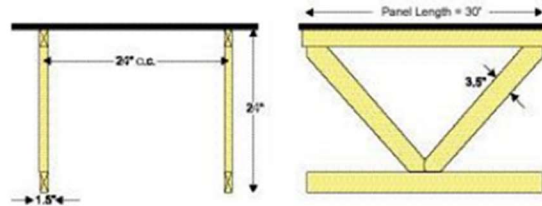


Example – Obstructed Construction

- The truss members in the Figure 2 are 2x4's oriented vertically (2x4):
 - Area of the panel = $24'' \times 30'' = 720 \text{ in}^2$
 - Chords = $2 \times (30'' \times 3.5'') = 210 \text{ in}^2$
 - Webs = $2 \times (25.81'' \times 3.5'') = 181 \text{ in}^2$
 - Total area = $210 + 181 = 391 \text{ in}^2$
 - Area of panel divided by obstructed area = $391/720 = 0.543$ or 54%
- The panel is 46% open, therefore this configuration would be considered **'Obstructed Construction.'**



Example – Unobstructed Construction – 70% Rule

- The truss members in Figure 1 are 2x4's oriented horizontally (4x2):
 - Area of the panel = $24'' \times 30'' = 720 \text{ in}^2$
 - Chords = $2 \times (30'' \times 1.5'') = 90 \text{ in}^2$
 - Webs = $2 \times (25.81'' \times 1.5'') = 77 \text{ in}^2$
 - Total area = $90 + 77 = 167 \text{ in}^2$
 - Area of panel divided by obstructed area = $167/720 = 0.233$ or 23%
- The panel is 77% open, therefore this configuration would be considered **'Unobstructed Construction.'**

