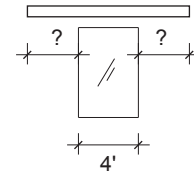
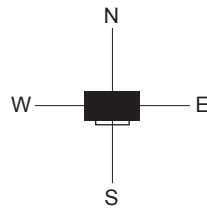


Homework 3

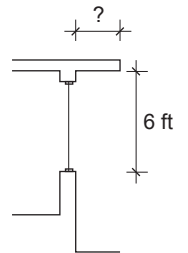
Shading Design

Determine the required horizontal projection for shading of a south facing window with the following conditions:

1. Location: Houston
 Shading time: June 21, 10 am
 Shading type: horizontal exterior
 Building/window azimuth: due south

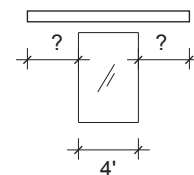
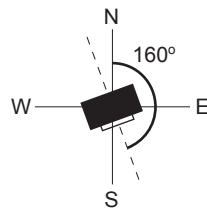


ELEVATION

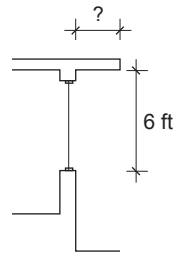


SECTION

2. Location: Houston
 Shading time: May 21, 10 am
 Shading type: horizontal exterior
 Building/window azimuth: 160°

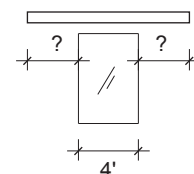
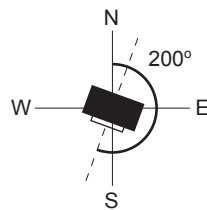


ELEVATION

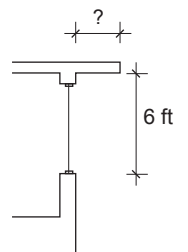


SECTION

3. Location: Houston
 Shading time: May 21, 2 pm
 Shading type: horizontal exterior
 Building/window azimuth: 200°

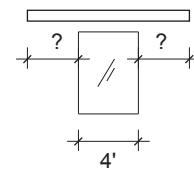
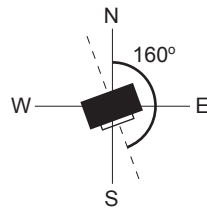


ELEVATION

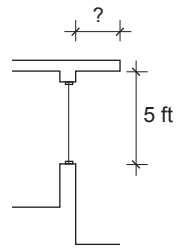


SECTION

4. Location: New York, NY
 Shading time: July 21, 10 am
 Shading type: horizontal exterior
 Building/window azimuth: 160°

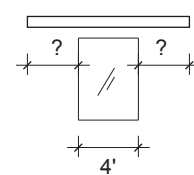
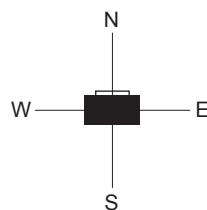


ELEVATION

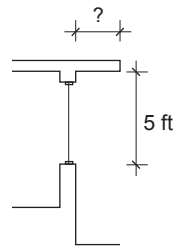


SECTION

5. Location: New York, NY
 Shading time: June 21, 1 pm
 Shading type: horizontal exterior
 Building/window azimuth: 180°



ELEVATION



SECTION