

Exercise 3-2

1. Open the drawing Pergola_bridge.dwg provided on the companion website.
2. Display the view cube if it is not already displayed. If the UCS icon is not displayed, turn it on by picking **View>Viewport Tools>UCS Icon** in the ribbon.
3. Set the Conceptual visual style current.
4. Pick the top face of the view cube to display a top orthographic view.
5. Right-click on the view cube and select **Perspective with Ortho Faces** in the shortcut menu. The view should slightly change as any effect of perspective projection is removed.
6. In the view cube, pick the triangle to the left of the cube to display the back view.
7. In the view cube, pick the triangle at the bottom of the cube to display the bottom view.
8. Pick the **Home** icon in the view cube to return to the home view. Notice that the perspective projection is set current.
9. Using the faces, triangles, and roll arrows in the view cube, display a top view and then rotate the view 90°.
10. Use a single pick on the view cube compass to display a front view. Then, display the home view.
11. Using the view cube compass, dynamically rotate the view.
12. Select Pergola from the UCS shortcut menu in the view cube. Notice how the orientations of the UCS icon and view cube change. The top face of the cube is always perpendicular to the Z axis of the current UCS.
13. Select Ground from the UCS shortcut menu in the view cube. Notice how the UCS icon and view cube change. Make note of the relationship between the top face of the view cube and the Z axis of the current UCS.
14. Close the drawing without saving.