

Creating a Two-Point Perspective

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2. Draw the horizon line (HL) and the ground line (GL).
3. Draw a vertical line (line of sight) from the center of vision (CV) toward the bottom of the sheet to locate the station point.
4. Draw line SP-B parallel to the end of the top view and line SP-C parallel to the front of the top view. (Use a 30°-60° triangle.) See Figure 12-63B.
5. Drop vertical lines from the picture plane to the horizon line to locate vanishing point left (VPL) and vanishing point right (VPR). Draw the front or side view of the object on the ground line as shown in Figure 12-63B.
6. Begin to block in the perspective view by projecting vertical dimensions from the front view to the line of sight (also called the *measuring line*) and then to the vanishing points. See Figure 12-63C.
7. Finish blocking in the view by projecting lines from points 1 and 2 on the top view to the station point. Where these lines cross the picture plane, drop vertical lines to the perspective view to establish the length and width dimensions. Project point 1' to VPL and point 2' to VPR.
8. Add detail by following the procedure described in steps 6 and 7. See Figure 12-63D.
9. Darken all necessary lines and erase construction lines to finish the drawing.

Creating a Two-Point Perspective

Figure 12-62 shows an object in multiview and isometric drawings. Figure 12-63 shows how to draw this same object with a two-point bird's-eye perspective view.

1. Draw an edge view of the picture plane (PP). See Figure 12-63A. Allow enough space at the top of the sheet for the top view. Draw the top view with one corner touching the PP. In this case, the front and side of the top view form angles of 30° and 60°, respectively. Other angles may be used, but 30° and 60° seem to give the best appearance on the finished drawing. The side with the most detail is usually placed along the smaller angle for a better view.

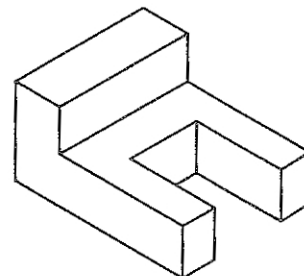
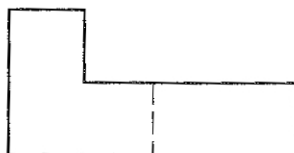
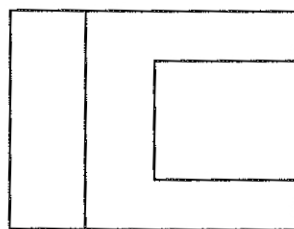


Figure 12-62

Multiview and isometric drawings of an object to be drawn in two-point perspective.

Figure 12-63

Procedure for making a two-point perspective drawing (bird's-eye view).

