

Steps In Multiview Drawing

- Carefully tape down your paper
- Layout a border and title block
- Locate the center of your drawing area
- Calculate the formulas for distance 1 and distance 2.
- Layout a drawing box from the formulas

$$D1 = \frac{W+D+S}{2}$$

$$D2 = \frac{H+D+S}{2}$$

- Draw the Front view (Project construction lines)
 - Layout the overall height from the lower left hand corner of the drawing box
 - Layout the overall width from the lower left hand corner of the drawing box
 - Draw in the details (all object, hidden, centerlines, etc.) to the front view
- Draw the Top view
 - Overall width should already be laid out at upper left hand of drawing box
 - Layout the overall depth from the upper left hand corner of drawing box
 - Draw in the details to the top view. Project width dimensions from the front view to the top view whenever possible. This increases speed and accuracy.

- Draw the Right Side view
 - Draw a 45 degree line down from the upper right hand corner of the drawing box
 - The overall height should already be laid out in the lower right hand of the drawing box.
 - Layout the overall depth by projecting the depth from the Top view to the 45 degree line, then straight down to the Right Side view.
 - Draw the details in the right side view. Project height dimensions across from the Front view whenever possible, and depth dimensions from the Top view whenever possible.

- Carefully darken in all visible lines in your views
- Carefully darken the border and titleblock lines
- Add guidelines for lettering and letter the titleblock in 1/8" letters. Add a title in 3/16" letters.
- Check over the entire drawing for errors. Correct as necessary. Carefully remove tape from the paper without tearing the corners. Erase any stray marks or smudges. (NEVER erase your construction lines!)