

Pictorial Drafting

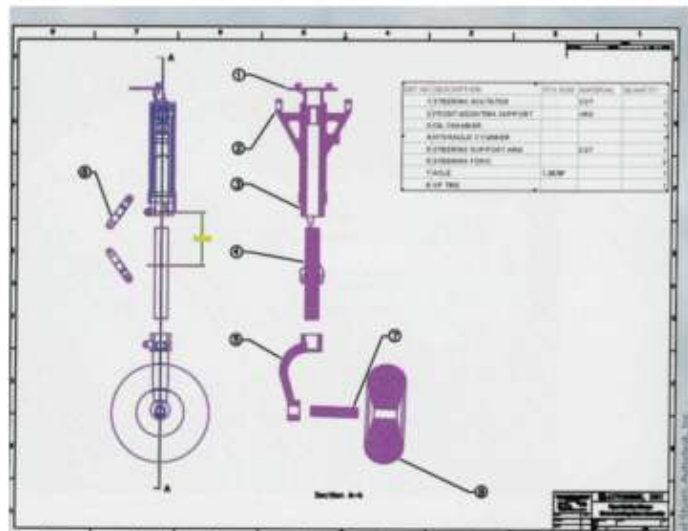
Adding Realism

Why Pictorial?

- Normally we see objects as 3 Dimensional – having length, width and thickness (or width, depth and height).
- In pictorial drafting 1 view can represent the object.
- Pictorial views are frequently used for illustrative purposes in advertising.
- The majority of parts are too complicated to be described properly by a pictorial view, therefore 95% of drawings are done in Multiview Drawing or Orthographic Projection (such as – top, front, right side).
- With Computer Aided Drafting and Design it is now possible to draw in 3 dimensional and print in 2D in orthographic views.



Pictorial Drawing

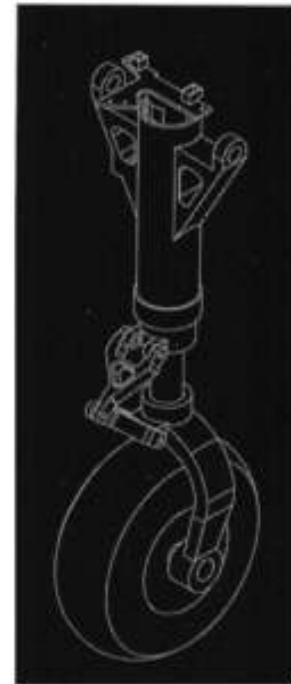
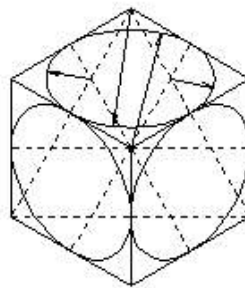
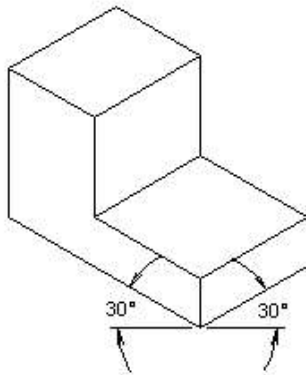


Orthographic Drawing

Pictorial Types?

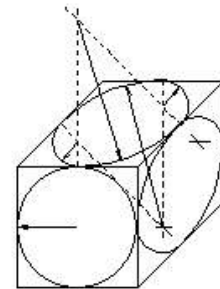
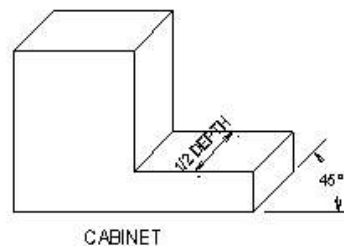
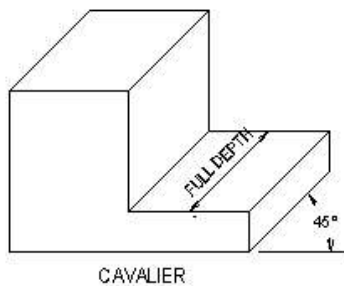
ISOMETRIC

- Is usually drawn with both sides at 30 degrees and 90 degree vertical lines
- Is a very fast method to make fairly realistic 3D drawings
- Gives a 2 Point Perspective look
- Good to use if there is circles (holes or cylinders) on the side faces



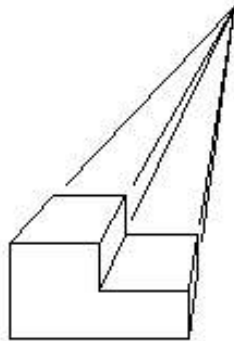
OBLIQUE

- Is usually drawn using the front view and the right side at 45 degrees and 90 degree vertical lines
- Is a very fast method to make fairly realistic 3D drawings – Cabinet Oblique tends to look more realistic
- Gives a 1 Point Perspective look
- Is very good to use if there are circles (holes or cylindrical shapes) on the front faces
- Can look awkward depending on the shape and difficult to do with circles on the sides

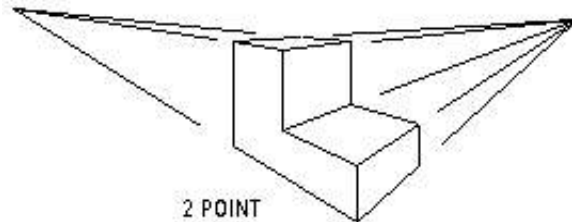


PERSPECTIVE

- Is the slowest method to draw but is the most realistic 3D drawing
- One Point Perspective is the fastest method of Perspective and is good for room perspectives
- Two Point Perspective takes longer but is the best method for house exteriors that look realistic
- Three Point Perspective is seldom used but can give some interesting perspectives depending on the placement of the vanishing points



Note: 1 Point is similar to Oblique



Note: 2 Point is similar to Isometric

