**MECHANICAL ENGINEERING DEPARTMENT**

Course No.: UTA015 Course Title: ENGG. DRAWING

**Tutorial No. 8 (AutoCAD)**
**(Perspective Projections)**

**(Time: 4 Hours)**

1. Draw 1-point perspective view from the orthographic projections of a component given in Figure 1.

[**Note:** Take Station Point (SP) 150mm below Picture Plane (PP) and 60mm towards right side of right most edge of top view. Also take Horizon Line (HL) and Ground Line (GL) at a distance of 30 mm and 130 mm from PP]

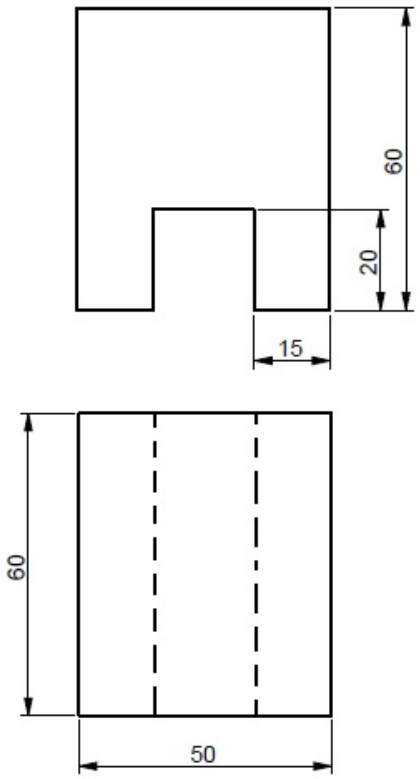


**Fig: 1**

2. Draw 2-point perspective view of the components from orthographic projections shown in figure 2 below.

[**Note:** Take Station Point (SP) at 2W distance below Picture Plane (PP), where W is the diagonal width of top view. Also take Horizon Line (HL) and Ground Line (GL) at a distance of 25 mm and 130 mm from PP]

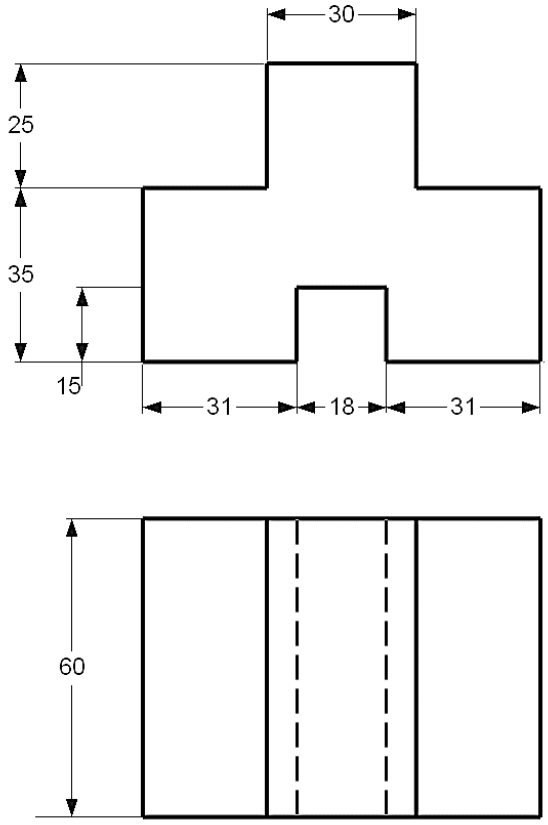


**Fig: 2**

3. Draw 2-point perspective view of the components from orthographic projections shown in figure 3 below.

[**Note:** Take Station Point (SP) at 2W distance below Picture Plane (PP), where W is the diagonal width of top view. Also take Horizon Line (HL) and Ground Line (GL) at a distance of 25 mm and 130 mm from PP]

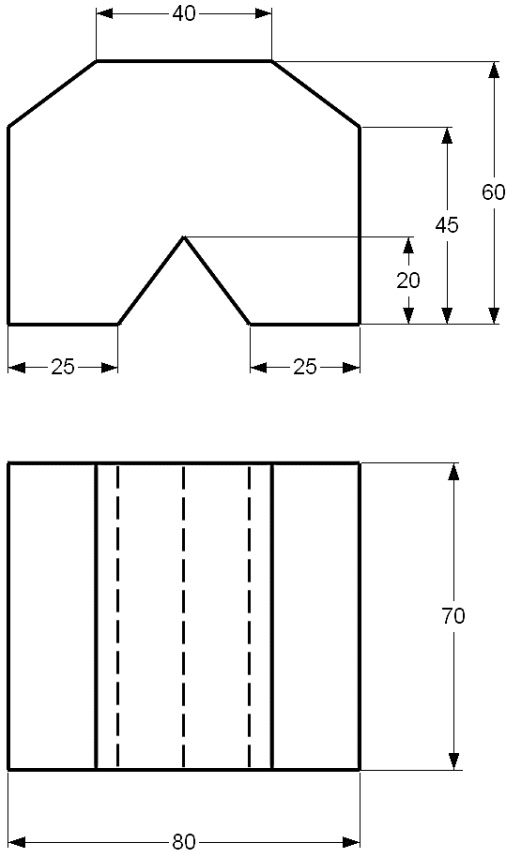


**Fig. 3**

4. Draw 2-point perspective view of the components from isometric projection shown in figure 4 below.

[**Note:** Take Station Point (SP) at 2W distance below Picture Plane (PP), where W is the diagonal width of top view. Also take Horizon Line (HL) and Ground Line (GL) at a distance of 25 mm and 130 mm from PP]

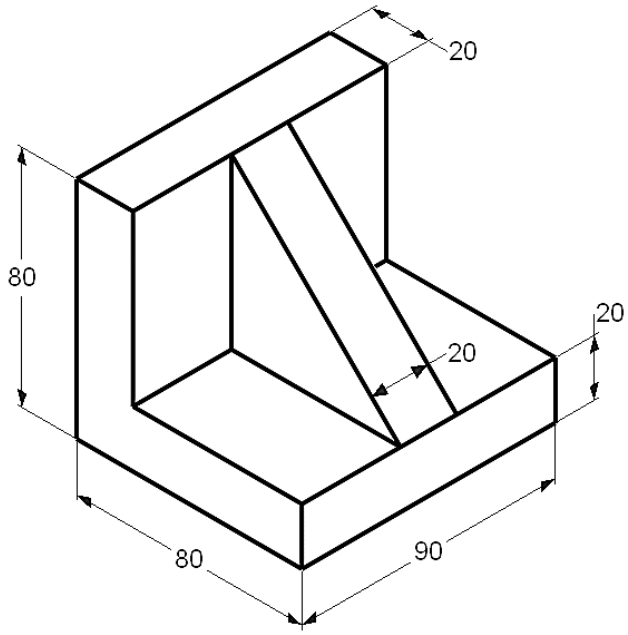


**Fig. 4**