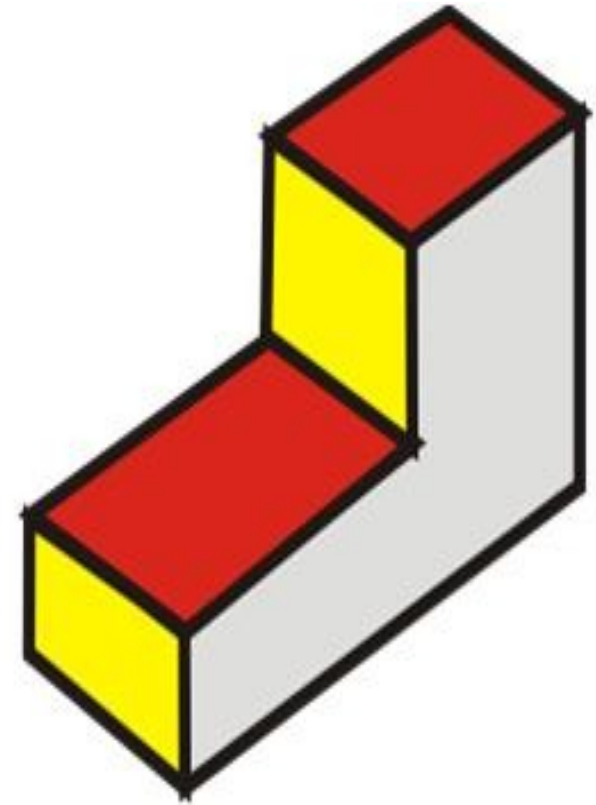


FIRST ANGLE PROJECTION

The aim of engineering **drawing** is to give all necessary information to the user or the manufacturer of the piece

Sometimes not all the information can be described in a single view. To give the necessary information we can draw several views in a single drawing



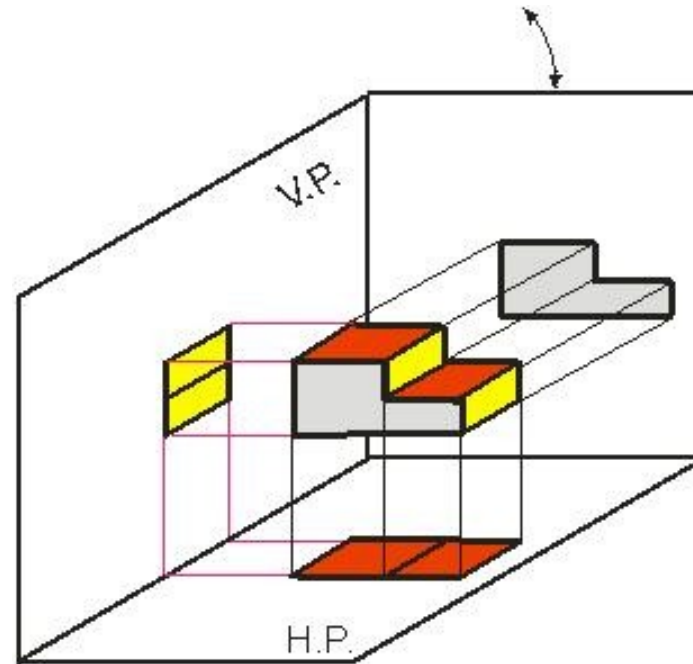
Look at the drawing of the stair

-The front view is from the front. If you look straight at the stair

-The top view is towards the floor. If you look up the stair from the top.

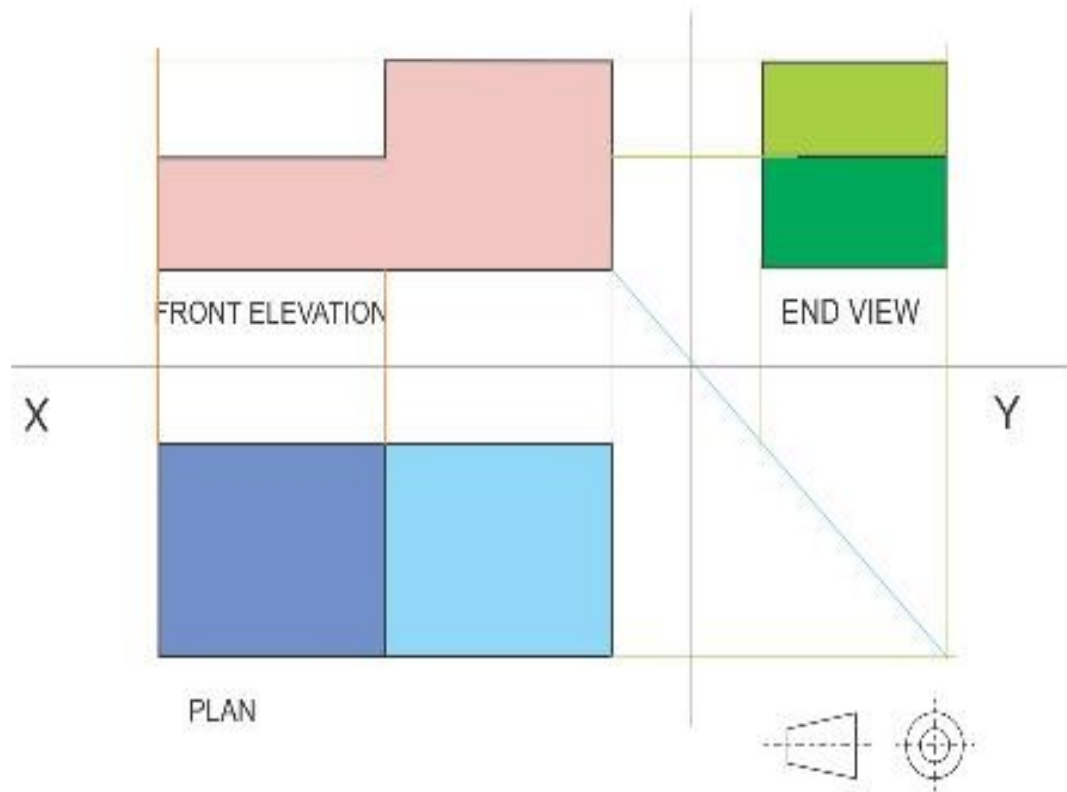
Like a bird

-The left side view if you look at the stair from the left side

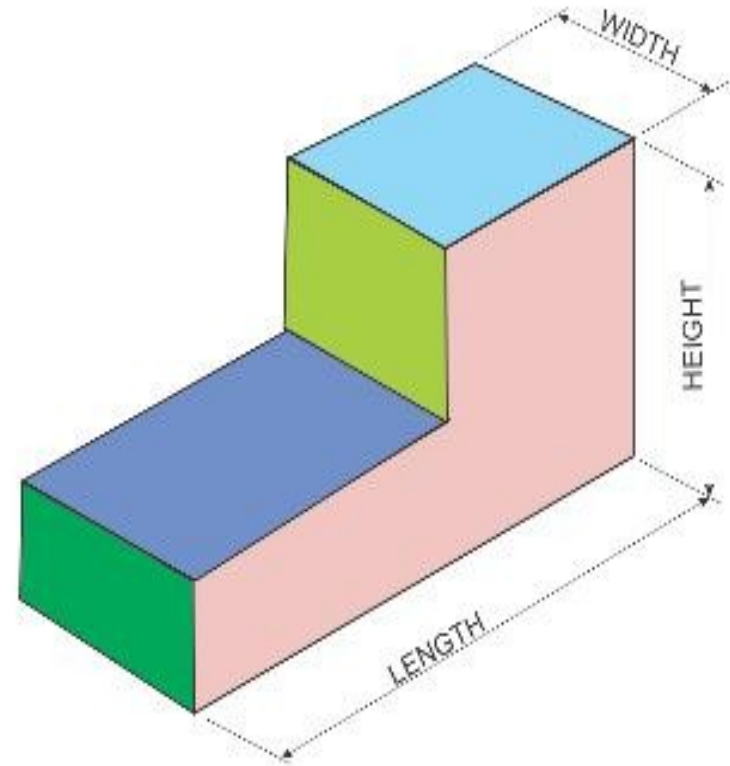


- If depend we put te views it its called or “third angle projection or “first angle projection “

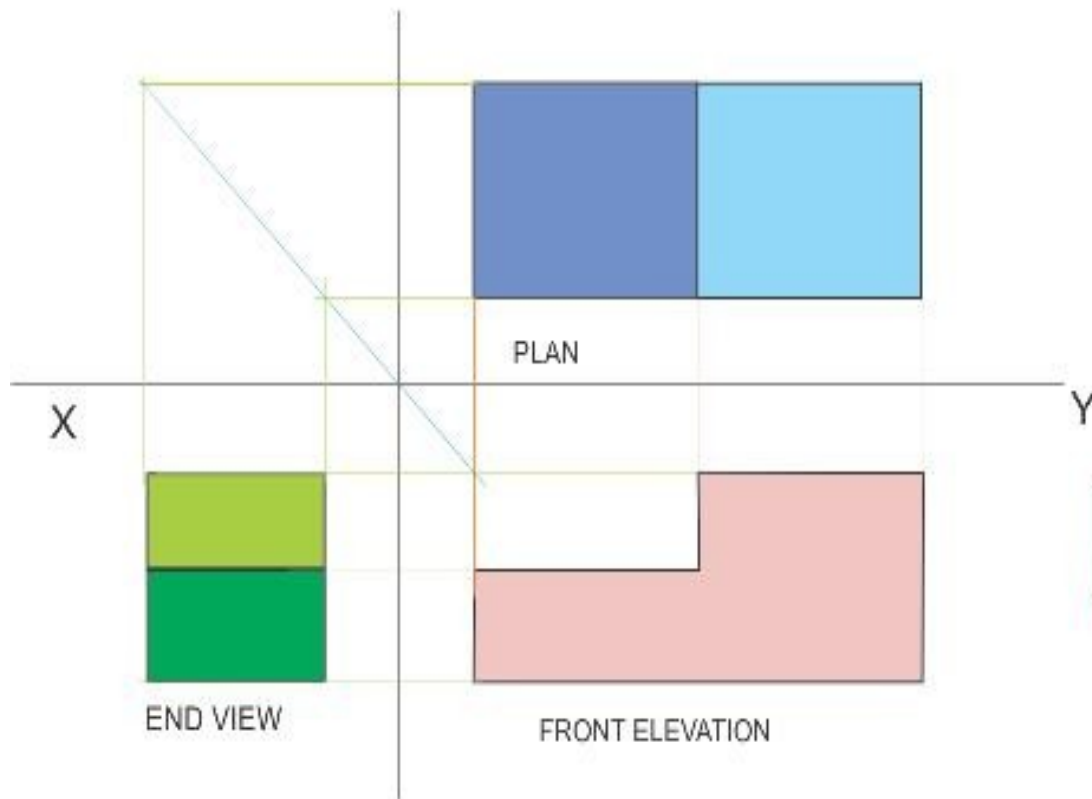
First Angle Orthographic Projection



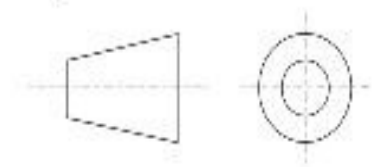
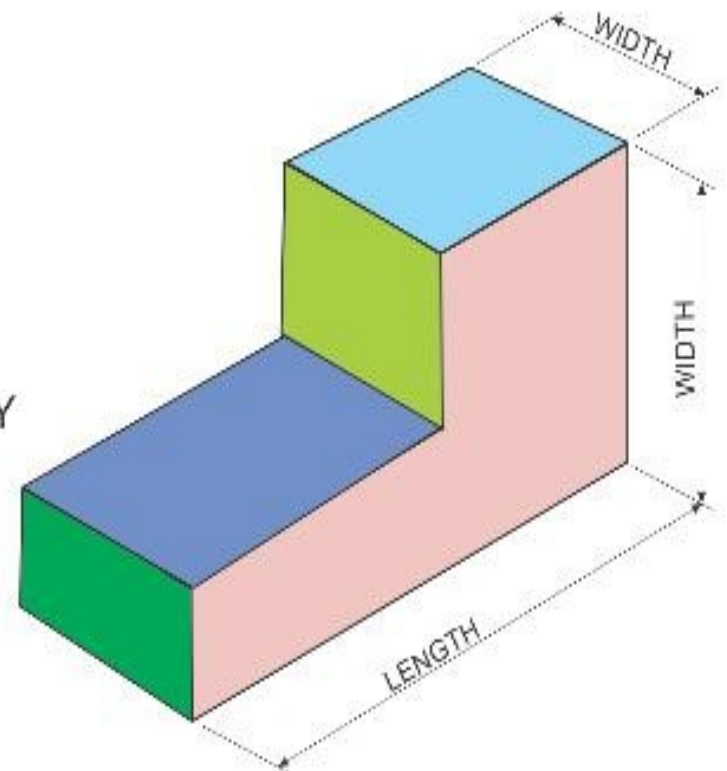
Isometric projection

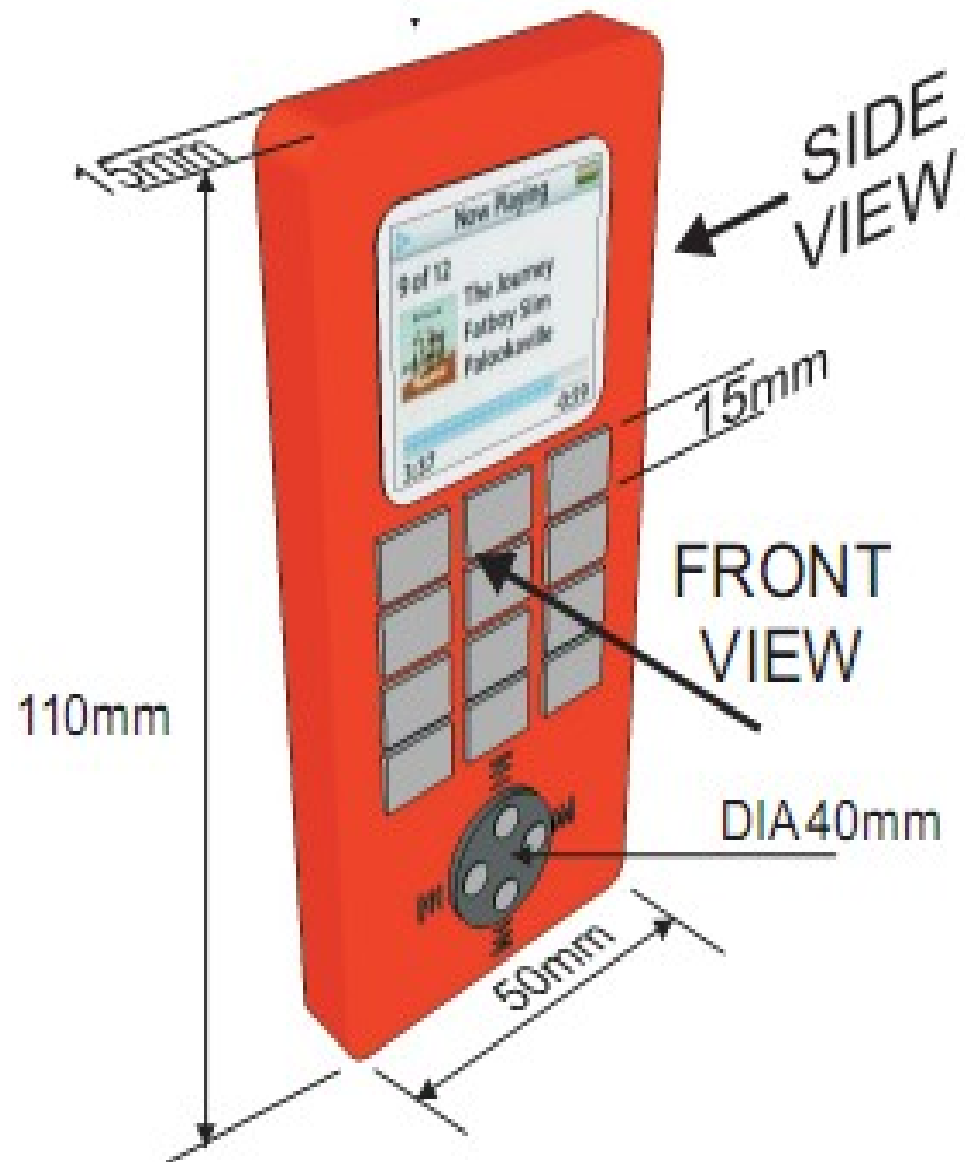


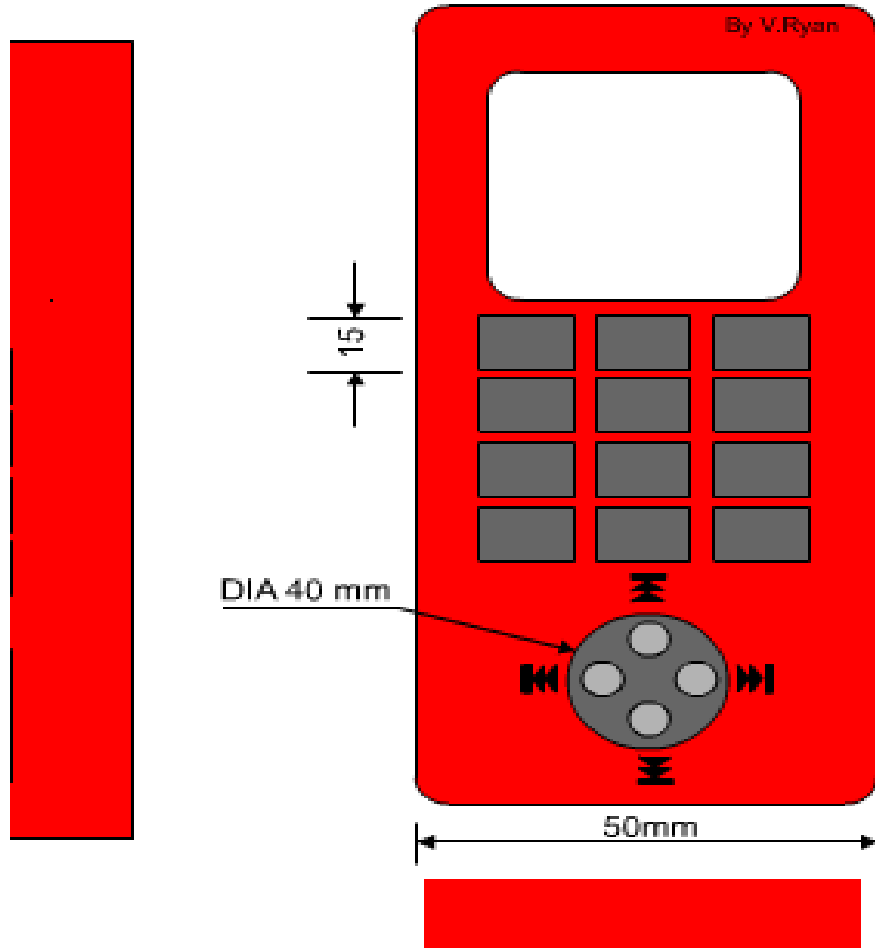
Third Angle Orthographic Projection

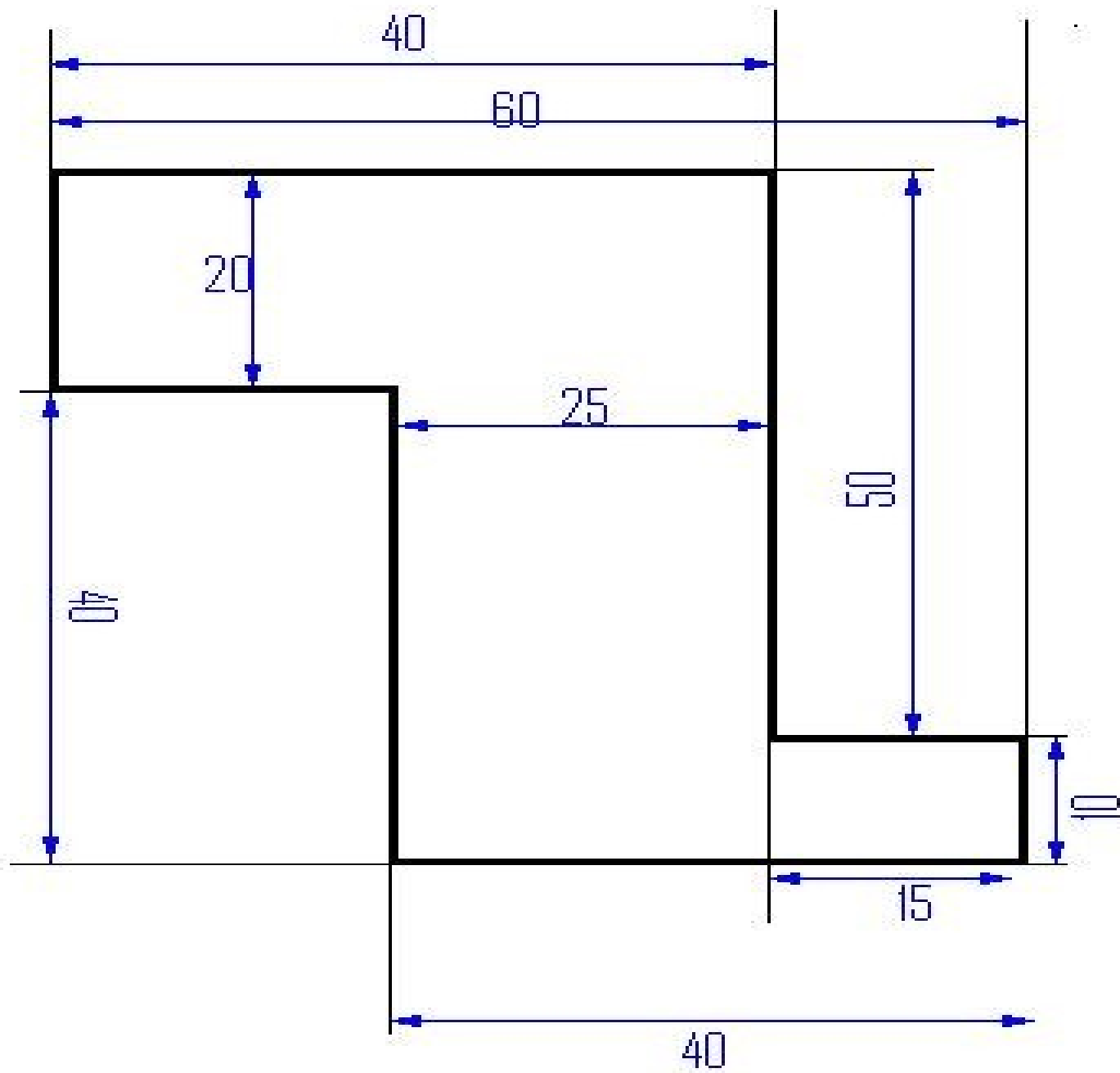


Isometric projection









Types of lines

- **Edges**-the lines that separate two sides
- Hidden edges-a line can be seen
- axis-

