

Projection method of drawings (Third angle projection)

A single projection drawing cannot fully represent a three-dimensional object.

Since the object is three-dimensional, it is necessary to project it onto at least two projection planes in order to grasp its shape. Projection diagrams are classified into several types according to the projection method, but third angle projection is used in TAKACHI.

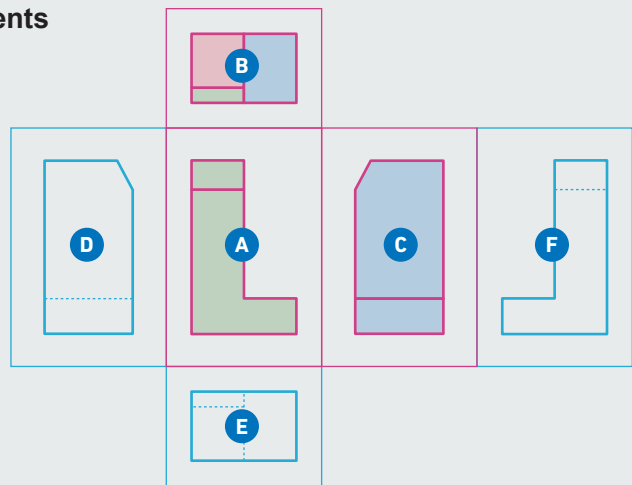
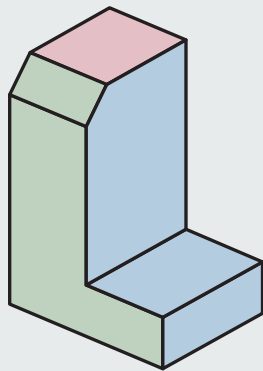
What is Third angle projection ?

Third angle projection is a type of orthographic projection used in technical drawing.

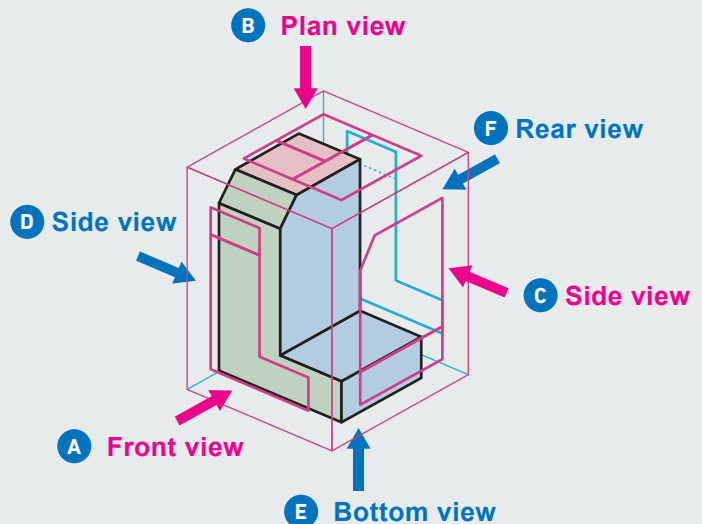
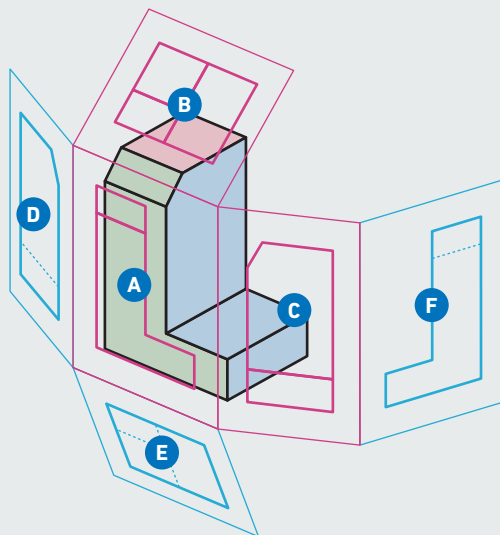
It is typically composed of **three views** : **A Front view**, **B Plan view**, and **C or D Side view**.

3-view drawing

● Components



● How Third angle projection works



A single projection drawing cannot fully represent a three-dimensional object.

Due to its inherent three-dimensionality, an object requires projection onto at least two planes to accurately convey its shape.

The most common approach, known as three-view projection, utilizes front, top, and side views to provide the minimum necessary information.

The arrangement or position of the views is flexible as long as symbols or arrows clearly indicate their orientation.

Unnecessary projections can be omitted.