

FIRST AND THIRD ANGLE PROJECTIONS

In first angle projection the object is placed in the first quadrant. The view obtained reveal that the elevation is above the plan upon revolving the horizontal plane about the line XY, which intersects the vertical and Horizontal planes, until both planes coincide (fig. 10.14). In the third angle projection, where the object is placed in the third quadrant, the plan is above the elevation.

We thus, see that when the same object is placed in the first and third quadrants the views obtained on projection are exactly the same, however, the relative position of the plan and elevation are different.

The views obtained and their relative positions when the same object is placed in both the first and fourth angles are the same, that is, they overlap. In the same vein, views obtained in the third and second angle overlap. It can therefore be seen why we speak of only first and third angle projections.