



Andhra Pradesh State Skill Development Corporation



ARCHITECTURAL MODELING USING REVIT

CAMERA VIEWS



CAMERA & HIDE ELEMENT

CAMERA VIEW:

To see the interior view of any room just place a camera and then we can see a 3d perspective view of that room. To place the camera just follow the following procedure.

1. Open a plan, section, or elevation view.
2. Click View tab ► Create panel ► 3D View drop-down ► Camera.
3. Click in the drawing area to place the camera.
4. Drag the cursor to the desired target and click to place it.

Revit creates a perspective 3D view and assigns a name to the view: 3D View1, 3D View2, and so on. To rename the view, in the Project Browser right-click it, and select Rename.



This is how the camera view will be displayed by clicking on the created 3D View in the project browser. You can adjust your view portion just by dragging the grip points in the 3D View.

SECTION BOX:

You can use a section box to limit the viewable portion of a 3D view. When you enable a section box in a 3D view, the only change to the view is the addition of the section box. After you enable the section box, you can modify its extents using drag controls in the 3D view.

To enable a section box the procedure is:

1. Open a 3D view.
2. On the Properties palette, under Extents, select the Section Box option.
3. Click OK.

4. Select the section box and use the drag controls to modify the extents, as necessary. The following image shows the section box selected with the blue arrow drag controls visible.



This is how we can create a section box for better visibility of interior parts in 3D View.

HIDING ELEMENTS:

You can hide individual elements or categories of elements in a view permanently or temporarily. When you hide an element that is used as a reference.

Hide an element when you do not want it to appear in a view.

1. In the drawing area, select the element to hide.
2. Click **Modify** tab ► **View** panel ► **Hide in View** drop-down ► **Hide Elements/Hide Category**
3. Alternatively, right-click the element, and click **Hide in View** ► **Elements, Category, or By Filter**.

If you select **Hide Elements**, the element is hidden in the view.

If you select **Hide Category**, all elements of that category are hidden in the view.

If you select **Hide by Filter**, the **Filters** tab on the **Visibility/Graphic Overrides** dialog displays for modifying, adding, or removing filters.

This is how you can hide the elements. To unhide/ reveal the hidden elements we will discuss it now.

UNHIDE HIDDEN ELEMENTS:




Take a temporary look at hidden elements or unhide them.

On the **View Control Bar**, click (Reveal Hidden Elements).

The Reveal Hidden Elements icon and the drawing area display a color border to indicate that you are in Reveal Hidden Element mode. All hidden elements display in color, and visible elements display in half-tone.



To unhide hidden elements

1. Select the element.
2. Do one of the following:
 - Click Modify | <Element> tab ► Reveal Hidden Elements panel ►  (Unhide Element) or  (Unhide Category).
 - Right-click the element, and click Unhide in View ► Elements or Category.
- Note: The Unhide Element and Unhide Category options become active when you select an element that was hidden by element or, a category that was hidden by category.
3. On the View Control Bar, click  to exit Reveal Hidden Elements mode.