Andhra Pradesh State Skill Development Corporation

Skill AP
APSSDC

Skill AP
Learn Anytime Anywhere
Andhra Pradesh State Skill Development Corporation

ARCHITECTURAL MODELING USING REVIT

SHEET CREATION

SHEET CREATION

SHEETS:

In Revit, you create a sheet view for each sheet in the construction document set (also called a drawing set or a sheet set). You can then place multiple drawings or schedules on each sheet view.

PROCEDURE TO CREATE SHEET:

1. Open the project.
2. Click View tab ➤ Sheet Composition panel ➤ Sheet.
3. Select a title block, as follows:
    a. In the New Sheet dialog, select a title block from the list. If the list does not show the desired title block, click Load. In the Library folder, open the Title Blocks folder, or navigate to the folder where the title block resides. Select the title block to load, and click Open. Select None to create a Sheet without a title block.
    b. Click OK.
4. Enter information in the title block of the sheet.
5. Add views to the sheet. To add views just drag the view and place it in the sheet where you want.
6. Change the default number and name that Revit assigned to the sheet. See Rename a Sheet. The sheet number and name display in the Project Browser under Sheets (all).

ADDING OF VIEWS TO SHEET:

Create duplicates of a single view to add that view to more than one sheet.

You can add one or more views of a building to a sheet, including floor plans, site plans, ceiling plans, elevations, 3D views, sections, detail views, drafting views, and rendered views. Each view can be placed on one sheet only. To add a particular view to multiple sheets in a project, create duplicate views, and place each one on a different sheet. To quickly open and identify the sheet a view is placed on, in the Project Browser, right-click the view name, and click Open Sheet.

Note: You can also place legends and schedules (including view lists and sheet lists) on sheets. Legends and schedules can be placed on multiple sheets.

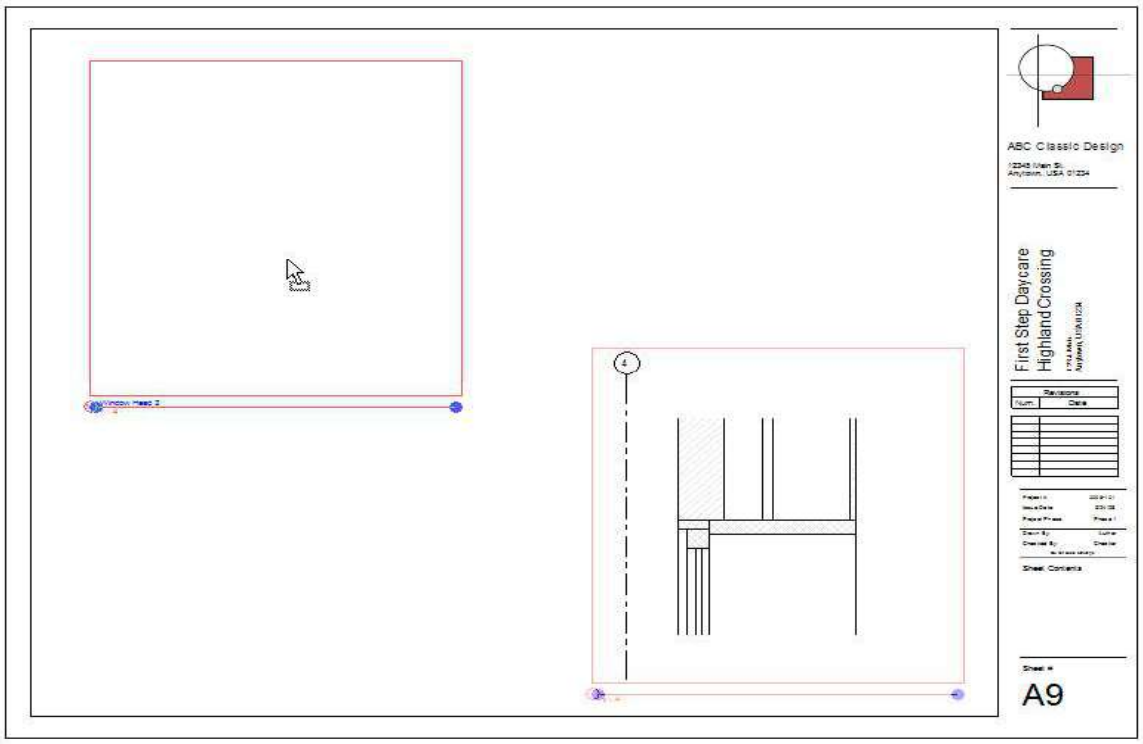
You can apply standard settings to a view on a sheet by using a viewport type. For example, you can create a viewport type that does not display a view title on a sheet, or that uses a different color and weight for the line that separates the drawing from its title.

To add views to a sheet

1. Open the sheet.

2. To add a view to the sheet, use one of the following methods:
    - In the Project Browser, expand the list of views, locate the view, and drag it onto the sheet.
    - Click View tab ➤ Sheet Composition panel ➤ (Place View). In the Views dialog, select a view, and click Add View to Sheet.
3. As you move the cursor over the sheet in the drawing area, a viewport for the selected view moves with it. Click to place the viewport in the desired location. Use the Align views on the sheet for precise placement on sheets. Use Snap to Sheet to snap between datums in the model viewport and annotations on the sheet.
4. Repeat Steps 2 and 3 to add more views to the sheet, if desired.
5. If needed, you can modify the individual views on the sheet as follows:
    - To change the view title that displays on the sheet, double-click the title, and edit it.
    - To move the view to a new location on the sheet, select its viewport, and drag it. You can align views to grid lines for precise placement.

Example



You can now do any of the following:Change the scale of the view.

- Add dimensions to the view.
- Add text notes to the view.
- Pan the view.

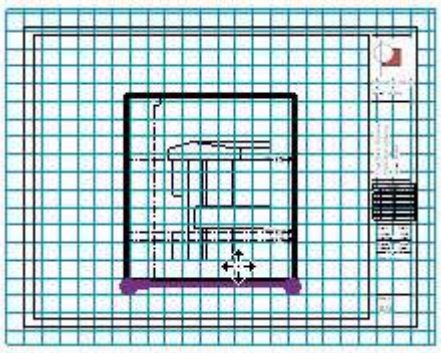
ALIGN VIEWS ON A SHEET:

Guide grids help arrange views so that they appear in the same location from sheet to sheet. You can display the same guide grid in different sheet views. Guide grids can be shared between sheets.

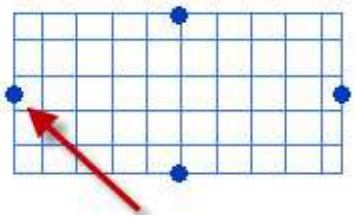
When new guide grids are created, they become available in the instance properties of sheets and can be applied to sheets. It is recommended to create only a few guide grids and then apply them to sheets. When you change the guide grid's properties/extents in one sheet, all the sheets which use that grid are updated accordingly.

To align views to grid lines on the current sheet

1. Open a sheet view.
2. Click View tab ➤ Sheet Composition panel ➤ (Guide Grid).
3. In the Assign Guide Grid dialog, select Create new, enter a name, and click OK.



4. Click and drag the extent controls to specify the extents of the guide grid.



5. The default guide grid extents match the sheet extents plus an offset. If the sheet is empty, the extents will be 36” by 24” (900 mm by 600 mm).(Optional) Drag additional views onto the sheet.
6. Select a placed viewport, and on the ribbon click (Move).
7. Snap to the crop regions or datums in the viewports and move them into alignment with the guide grid lines to specify a precise location on the sheet. No constraints will be created between the guide grid and other elements on the sheet. Note: You can only snap to the intersection of datums (reference planes or grids) that are parallel to the guide grid. You cannot snap to non-orthogonal datums, such as arc grids or angled reference planes.

To apply a guide grid to a sheet

1. Open a sheet view.
2. Click View tab ➤ Sheet Composition panel ➤ (Guide Grid).
3. In the Assign Guide Grid dialog, select Choose existing, select a guide grid to add to the sheet, and click OK.

To change the line styles for guide grids

1. In a project, click Manage tab ➤ Settings panel ➤ (Object Styles).
2. Click the Annotation Objects tab.
3. Under Category, select Guide Grid.
4. Use the Line Weight, Line Color, and Line Pattern columns to specify the desired settings.
5. Click OK.

To modify guide grids

1. Select a guide grid.
2. Click Modify | Guide Grid tab ➤ Properties panel ➤ (Properties).
3. On the Properties palette, under Dimensions, specify Guide Spacing.
4. Under Identity Date, specify the guide grid Name.
5. Click Apply.