Andhra Pradesh State Skill Development Corporation

ARCHITECTURAL MODELING USING REVIT

MODEL LINE
&
MODEL GROUP

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MODEL LINE

The Model line used for reference purpose in the current project, the model visible in all views for example (plan view, elevation view,3D view)

1. Go to Architecture tab > model panel > select on model line option
2. After select on model line ribbon toolbar will be change
3. Activated by draw tools in ribbon bar
4. select a sketching option or Pick Lines to create lines by selecting lines or walls within the model.
5. After you click to specify the start point of a straight model line, you can quickly set its length by typing a value for the temporary dimension that displays with the line. Likewise, you can enter a radius value for circles or curves, 2 radius values for ellipses, or —for polygons— the distance from the center to the vertices or sides.
6. If you want to use a different line style (including line color or weight) than the one shown on the Line **Style** panel, select one from the Line Style drop-down.
   Note: The model line creating only for 2D like wireframe.

MODEL GROUP

In a project view, select the desired elements or existing **groups** you want in the **model group**. The model group used to convert number of selected multiple objects to single object

Procedure:

1. Go to Architecture tab > model panel > select on model group drop down option
2. Select on create group option, then you will get one dialog box on the screen
3. Give the group name (Ex: living room), select on group type is model line > ok
4. Again, one dialog box appears on the screen, select on ADD option
5. By using a cursor select the objects/elements which elements you want to group.
6. After selected elements completed then click on finish option

After creation of model group placing process in project view

1. Go to Architecture tab > model panel > select on placing model group option.
2. Go to Properties pallet, select type selector drop down option you will get the model group in already created group elements available.
3. Select the required group and place the work space..

MODEL GROUP EDITING
1. If you want to open the group in the group editor, select Open in Group Editor.

2. The group editor allows you to add or remove elements from a group, attach detail groups (for model groups), and view group properties.
3. Click to finish

MODEL UNGROUPS PROCESS

Select on any model group in project view (workspace),the ribbon bar it can change select on ungroup option

RENAME A GROUP

In the Project Browser, right-click the group name and click Rename, or select the group and press F2.
Enter a new name for the group, and press Enter.

LOAD AS GROUP INTO OPEN PROJECTS

1. Architecture tab ➤ Model panel ➤ Model Group drop-down ➤ 🔼 (Load as Group into Open Projects)
2. In the Load into Projects dialog, select the projects (or families) to load the group into.
   Note: In order for project or family files to appear in this list, they must be open.
3. Select Attached Details to load detail elements as attached detail groups.
4. Select levels to load levels into the group.
5. Select grids to load grids into the group.
6. Click OK.

LOAD GROUPS

You can load Revit models (*.rvt) into a project as a group, and you can load Revit family files (*.rfa) into the Family Editor as a group.
To load a project or family file as a group

1. Click Insert tab ➤ Load from Library panel ➤ 🔲 (Load as Group).
2. In the Load File as Group dialog, navigate to the Revit project, family, or group you want to load.
3. If you are loading an RVT or RVG file, select whether you want to include attached details, levels, or grids.
4. When you select attached details, detail elements in the file are loaded as attached detail groups.
5. Click Open.
6. The file is loaded as a group, and the group displays in the Project Browser under the Groups branch. You can now place the group in the project or family. See placing groups.

DELETE GROUPS

To delete a group, you must first delete all instances of the group in the project.

1. In the Project Browser, right-click the group, and click Select All Instances ➤ In Entire Project.
2. Click Modify | <group type> Groups tab ➤ Modify panel ➤ ✖ (Delete), or press Delete.
3. All instances of the group are deleted in the project.
4. In the Project Browser, right-click the group, and click Delete.