



# Andhra Pradesh State Skill Development Corporation



# ARCHITECTURAL MODELING USING REVIT COLOUR SCHEME

## COLOUR SCHEMES

### WHAT IS COLOUR SCHEME?

Colors schemes are useful for graphically illustrating categories of spaces. To use color schemes, in Revit architecture you must have rooms or areas defined in the project.



Here the color scheme applies to the background of the view only. For example, in a floor plan view, it applies the color scheme to the floor only. In a section view, it applies the color scheme to the background walls or surfaces only. The color scheme is not applied to foreground elements in the view.

You can apply color schemes based on any parameter value for the following:


- rooms
- areas

### PROCEDURE TO CREATE COLOUR SCHEME:

Create a color scheme by selecting the category and specifying the color scheme definitions.




1. Click Architecture tab ► Room & Area panel drop-down ► Color Schemes.
2. In the Edit Color Scheme dialog, select the category for which to create a color scheme:
  - Areas (Gross Building)
  - Areas (Rentable)
  - Rooms
  - Ducts, HVAC Zones, Pipes, Spaces (MEP)

Here I am Selecting Rooms category.

3. Select an existing scheme which is below the category. Then right-click and click Duplicate, or click  (Duplicate) under Schemes.
4. In the New color scheme dialog, enter a name for the new color scheme, and click OK. Then the name will display in the color scheme list.
5. In the Scheme Definition field, enter a title for the color fill legend. The title displays above the legend when you apply the color scheme legend to a view.
6. From the Color list, select the parameter to use as the basis of the color scheme.

7. To color by a specific parameter value or by a range of values, select By Value or By Range. Note: By Range is not available for all parameters. For example it is available for area parameters.

When you select By Range, the units display format appears next to the Edit Format button. If necessary, click Edit Format to change the format. In the Format dialog, clear Use project settings, and select the appropriate format settings.

8. Modify color scheme definition values as necessary. The following list of values will be their in colour scheme.
  - At least: Edit the low end range value. This value only displays when you select By Range.
  - Less than: This is a read-only value. This value only displays when you select By Range.
  - Caption: Edit the legend text. This value only displays when you select By Range.
  - Value: This is a read-only value. This value only displays when you select By Value.
  - Visible: Indicates whether the value is colored and visible in the color fill legend.
  - Color: Specify the color option for the value. Click to change the color.
  - Fill Pattern: Specify the fill pattern for the value. Click to change the fill pattern.
  - Preview: Shows a preview of the color and fill pattern.
  - In Use: Indicates whether the value is in use in the project. This is a read-only value for all list items, except any custom values you add.
  - Select a row by clicking the row number. Click  or  to move the row up or down in the list. These options are available when you select By value.
9. Optionally, click  to add a new value to the scheme definition.
10. To allow coloring of elements (such as rooms and areas) in linked models, select Include elements from links.
11. Click OK.

This is how we can create a colour scheme according to our requirements.

## PROCEDURE TO APPLY COLOUR SCHEME:

Apply a color scheme to the background of the view only or to all model elements in the view.

To do so first go to the view where you want to apply colour scheme and follow the



procedure.

## Procedure:

1. On the Properties palette, in instance parameters click on the Color Scheme cell.
2. In the Edit Color Scheme dialog, under Schemes, select a category and color scheme.
3. Click OK.

This is the way to apply the created colour scheme to the plan.

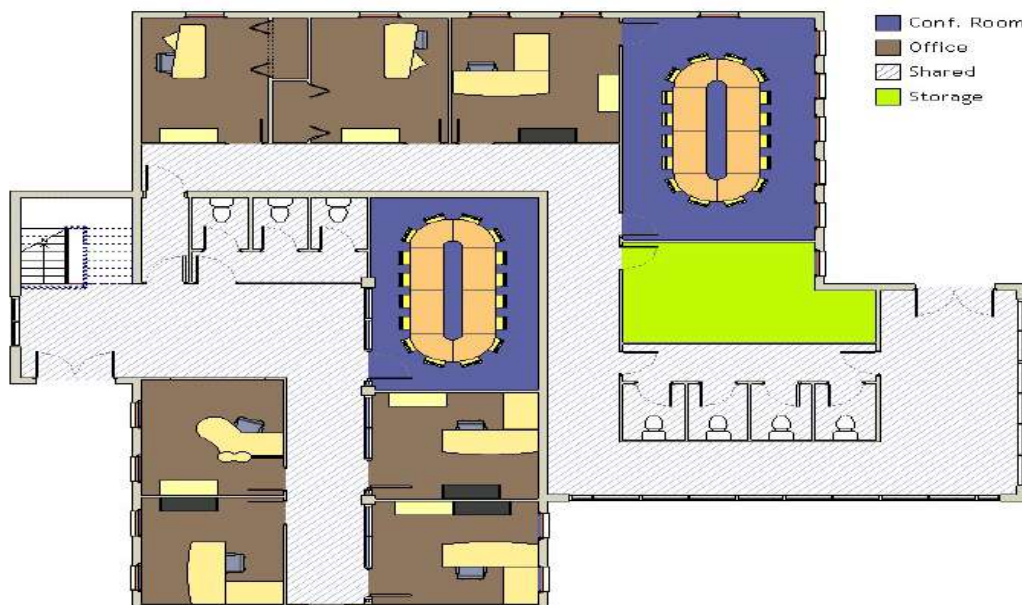
## PROCEDURE TO REMOVE APPLIED COLOUR SCHEME:

You can edit the Color Scheme property for the view to select a different color scheme or remove the color scheme from the view.

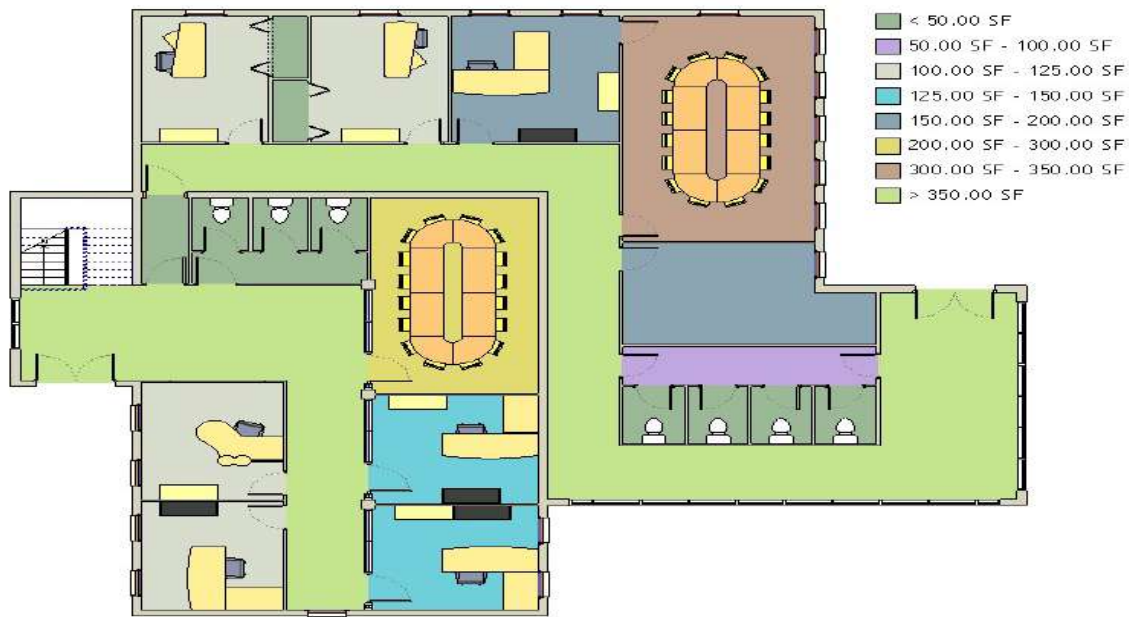
1. On the Properties palette, in instance parameters click the value box for the Color Scheme parameter.
2. In the Edit Color Scheme dialog, select (none) from the list, and click OK.

## Examples

The following image shows a plan view with a color scheme that uses a specific value defined for each room (for example, Office and Storage as values of the room's Department parameter).



The next image shows a plan view with a color scheme applied by a range of values (in this example, square footage)



## COLOR FILL LEGENDS:

For views that use color schemes, color fill legends provide a key to the color representation.

Color schemes apply colors that you specify to rooms and areas in a floor plan or section view.

Color schemes can also be specified for pipes and ducts. You can add a color fill legend to the colored view to identify what the colors represent.

Place the color fill legend anywhere in the drawing area to describe the color scheme used in the view.

1. Open a floor plan view or section view.
2. Click Annotate tab ► Color Fill panel ► Legend.
3. Click in the drawing area to place the color fill legend.
4. In the Choose Space Type and Color Scheme dialog, select the space type and color scheme, and click OK.

Color fill legends can be placed anywhere in the floor plan. Multiple color fill legends can be placed in a view. If you do not want a color fill legend to display in a view to which you have applied a color scheme, you can select the legend and delete it.

You can resize color fill legends using drag controls. You can also resize the swatches in the color fill legend, show or hide the legend title, modify the order of items in the legend, and modify the graphic appearance of the swatches.