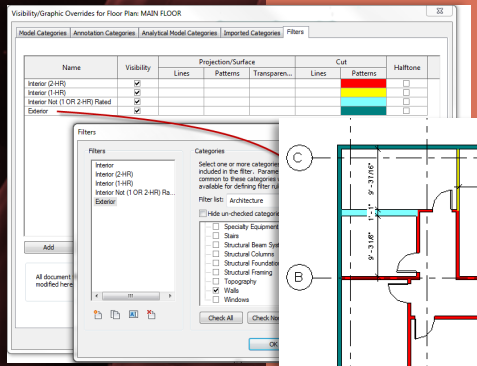
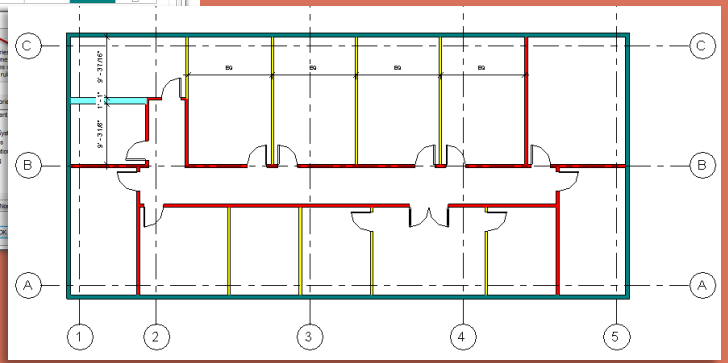
ARCH 2431
Building Technology III
Steel Assembly &
Building Information Modeling (BIM) with Revit





Partitions
Wall Type Display Filters
Color Coded by Fire Rating

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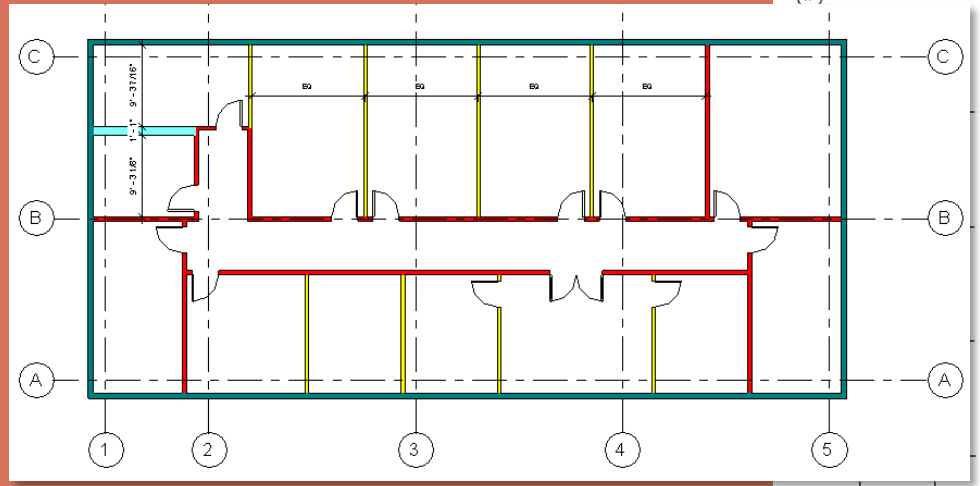
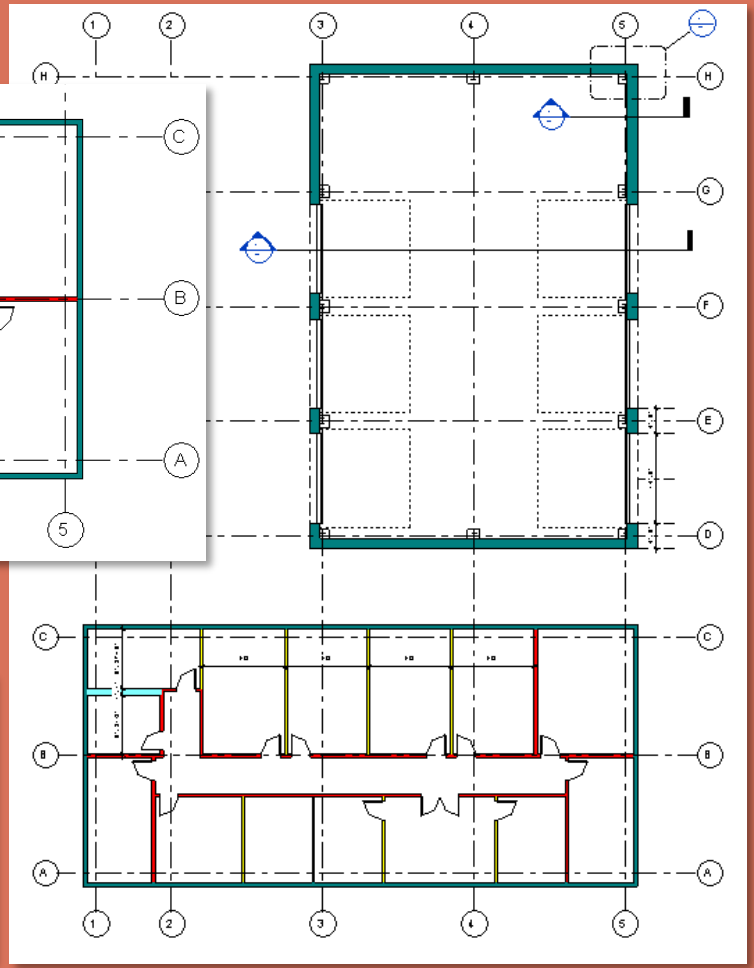
Add Display Filter to Show Rated walls in color

Revit Tutorial

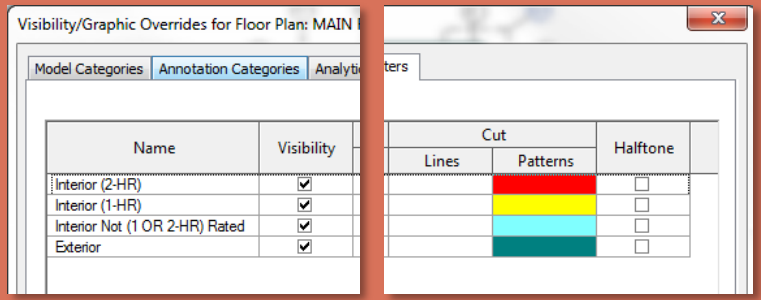
- Add Display Filters
- 2-HR
- 1-HR
- Non-Rated
- Exterior
- Discrepancy Corrected

- View Template
- Create & Apply





- **Color Code Walls by Fire Rating**



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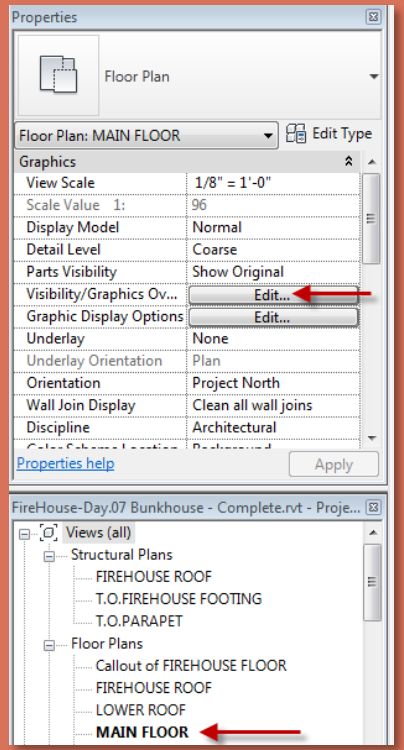
Add Display Filter : Create New Filter (2-HR)

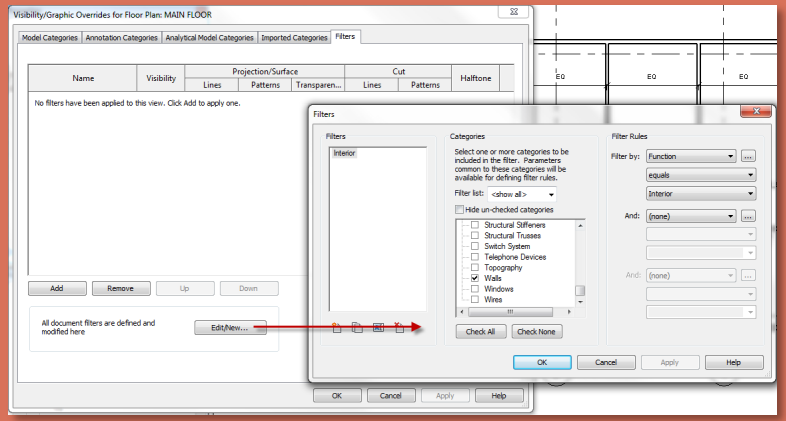
Revit Tutorial

- Add Display Filters
- 2-HR
- 1-HR
- Non-Rated
- Exterior
- Discrepancy Corrected

- View Template
- Create & Apply

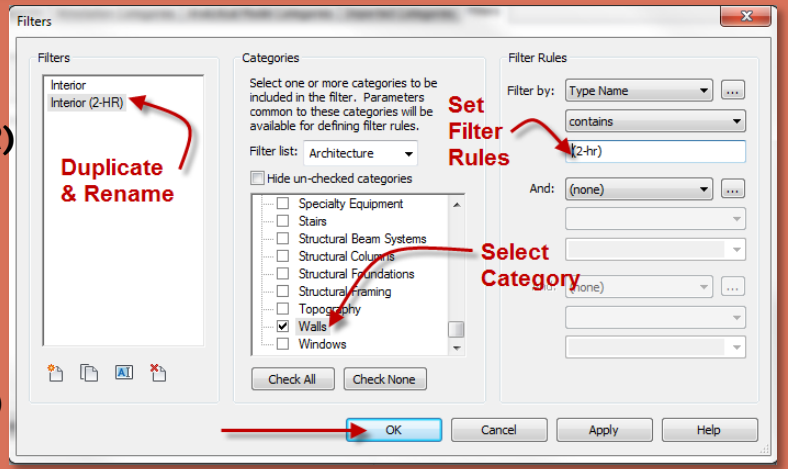


- Select View : Main Floor
- Visibility/Graphics Overrides > Edit



- Filter Edit/New

- Highlight
- Interior > Duplicate
- Rename Interior (2-HR)

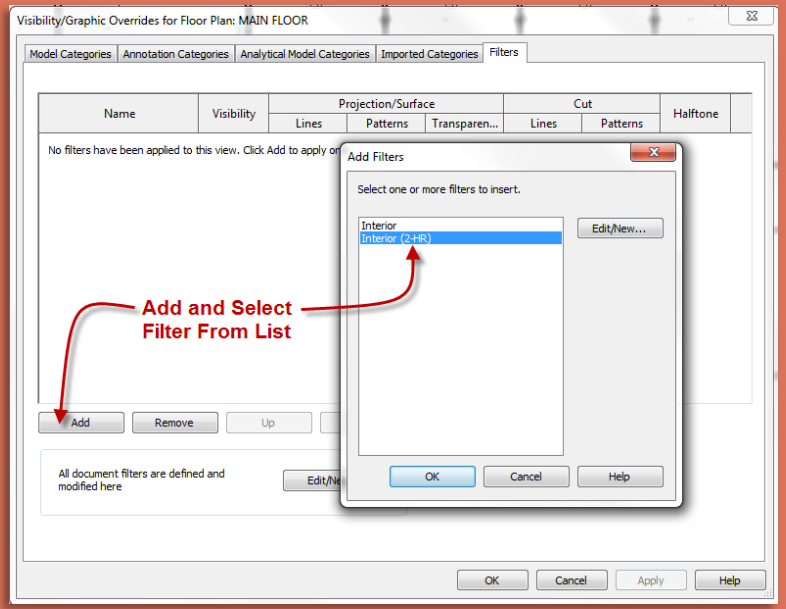


- Filters
- Category > Walls
- Filter Rules
- Type Name > Contains > (2-HR)
- OK

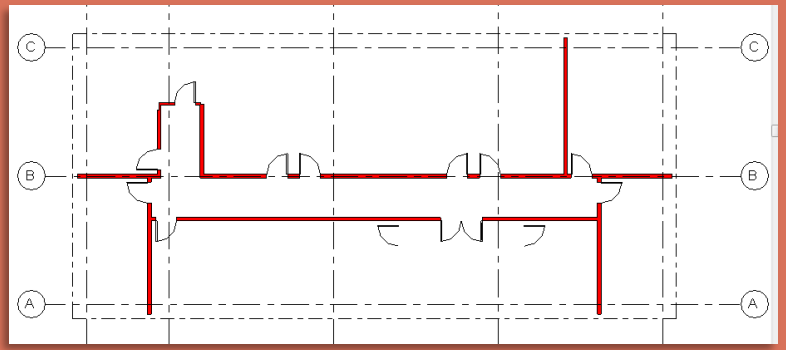
Add Display Filter : Apply it to View

Revit Tutorial

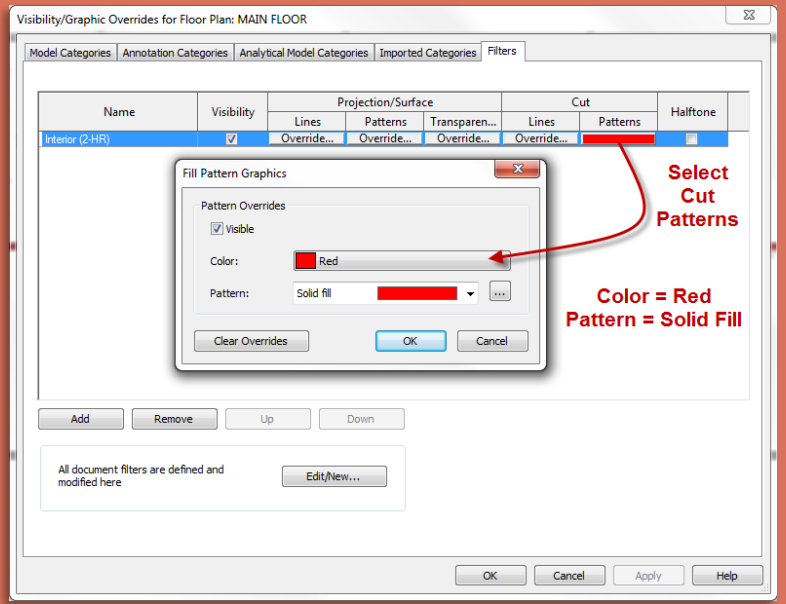
- Add Display Filters
- 2-HR
- 1-HR
- Non-Rated
- Exterior
- Discrepancy Corrected
- View Template
- Create & Apply



- Add > Select Filter from the list



- Add the color properties
- Cut > Patterns
  - Color = Red
  - Pattern = Solid Fill



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Add Display Filter : Duplicate & Apply to View (1-HR)

Revit Tutorial

- Add Display Filters
- 2-HR
- 1-HR
- Non-Rated
- Exterior
- Discrepancy Corrected

- View Template
- Create & Apply

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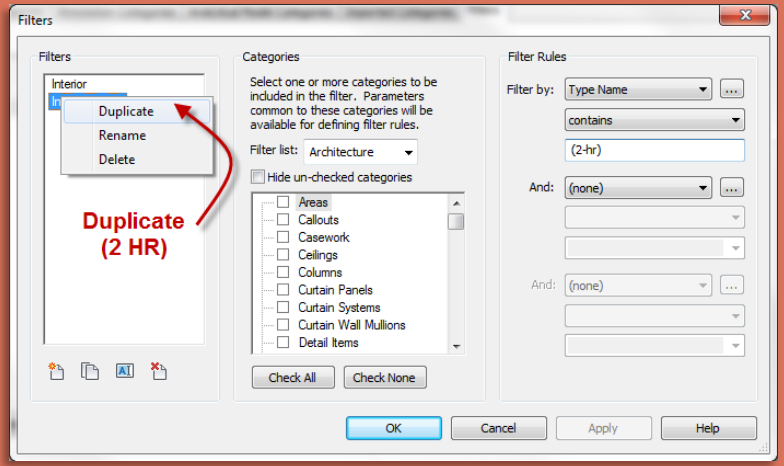

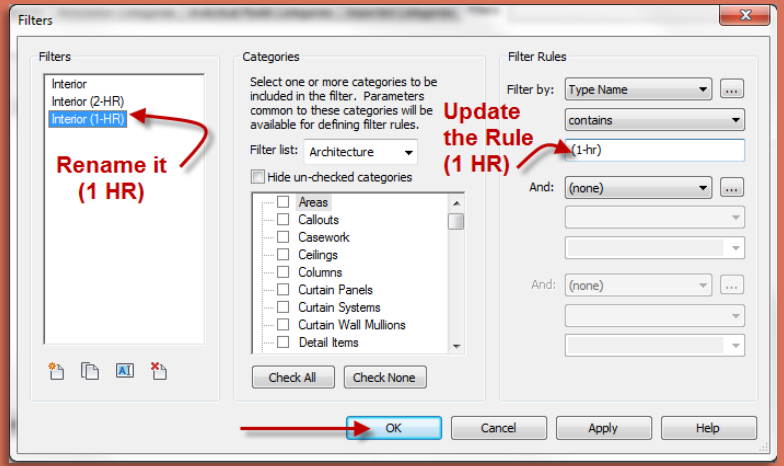

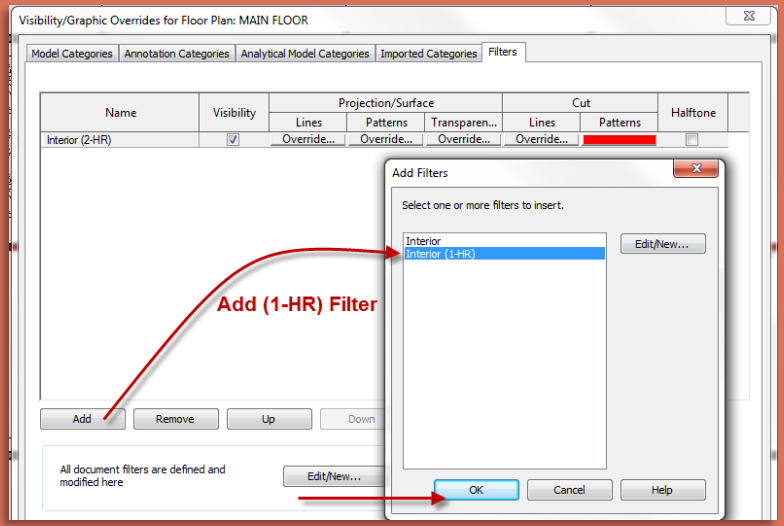

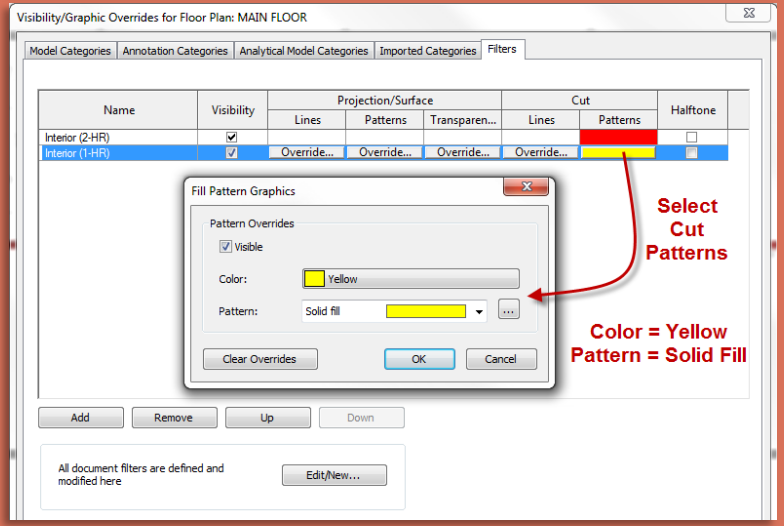

Add Display Filter : Interior Non Rated Partition

Revit Tutorial

- Add Display Filters
- 2-HR
- 1-HR
- Non-Rated
- Exterior
- Discrepancy Corrected
- View Template
- Create & Apply

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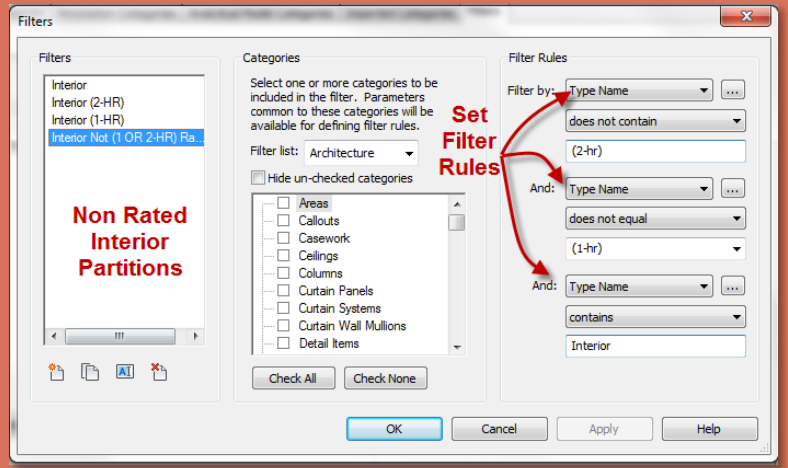
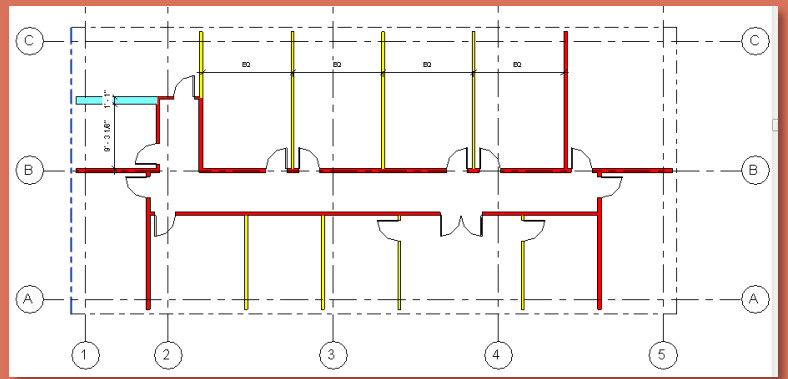
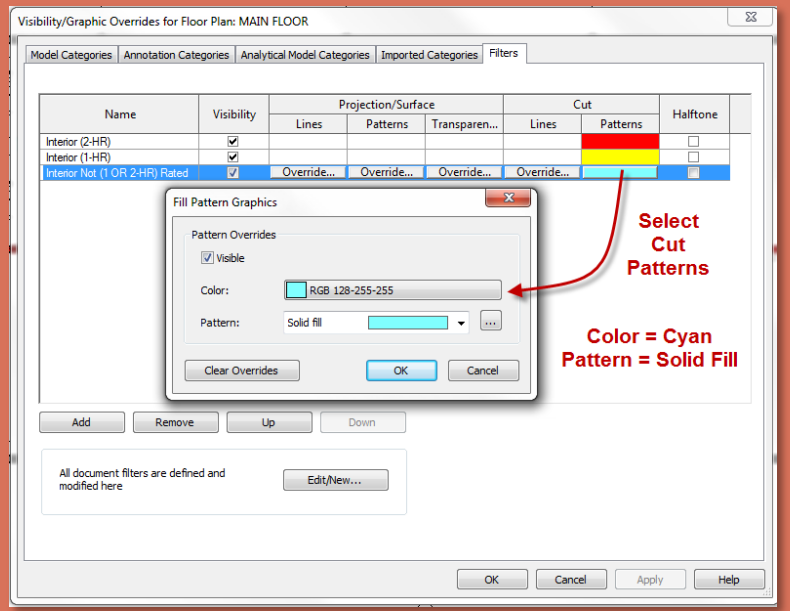


- Type Name > Does not Contain > (2-HR)
  - and
- Type Name > does not equal > (1-HR)
  - and
- Type Name > contains > Interior

- Cut > Patterns
  - Color = Cyan
  - Pattern = Solid Fill



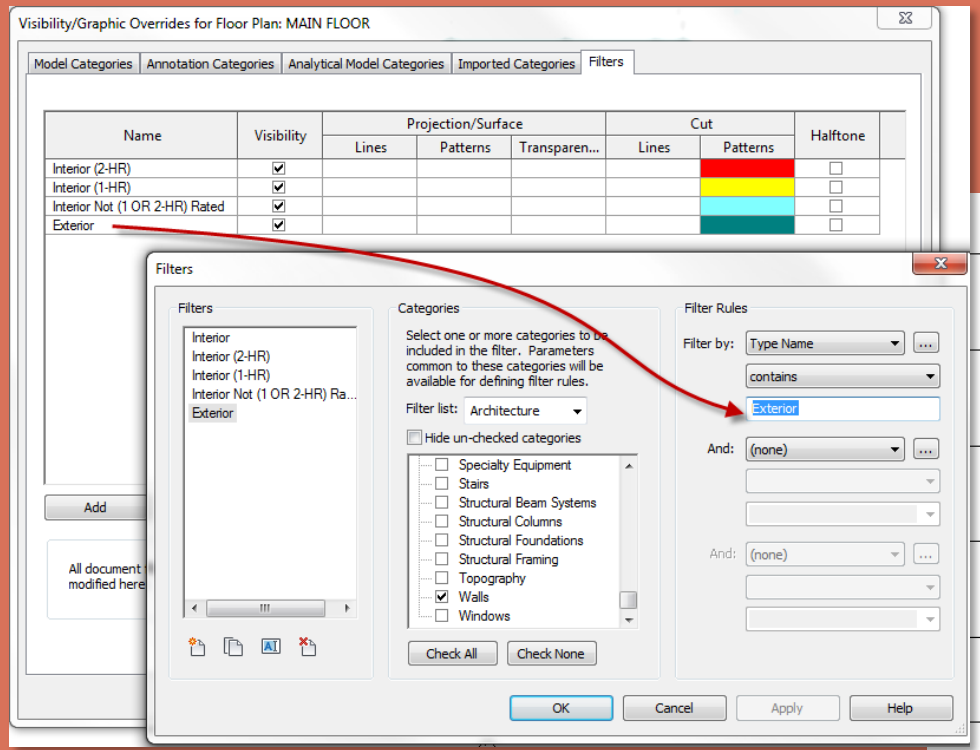


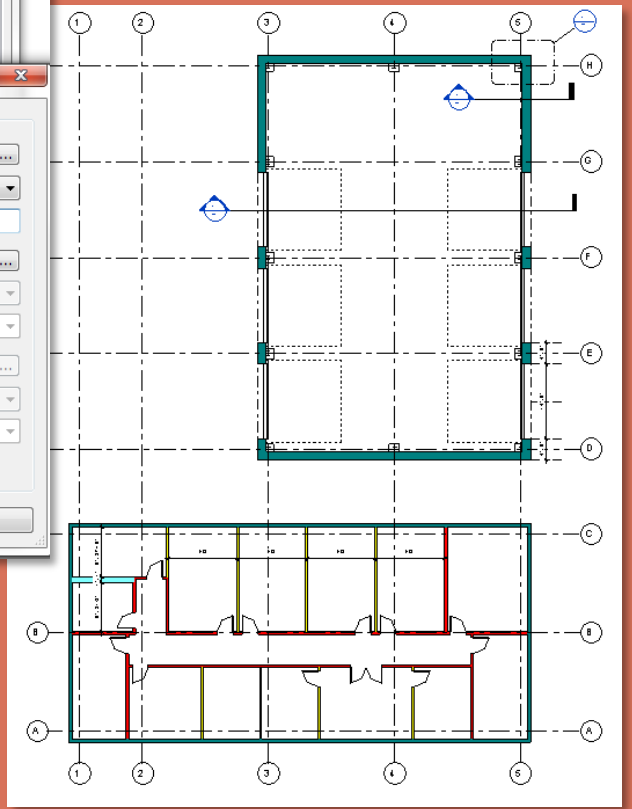
Add Display Filter : Exterior Walls

Revit Tutorial

- Add Display Filters
- 2-HR
- 1-HR
- Non-Rated
- Exterior
- Discrepancy Corrected

- View Template
- Create & Apply





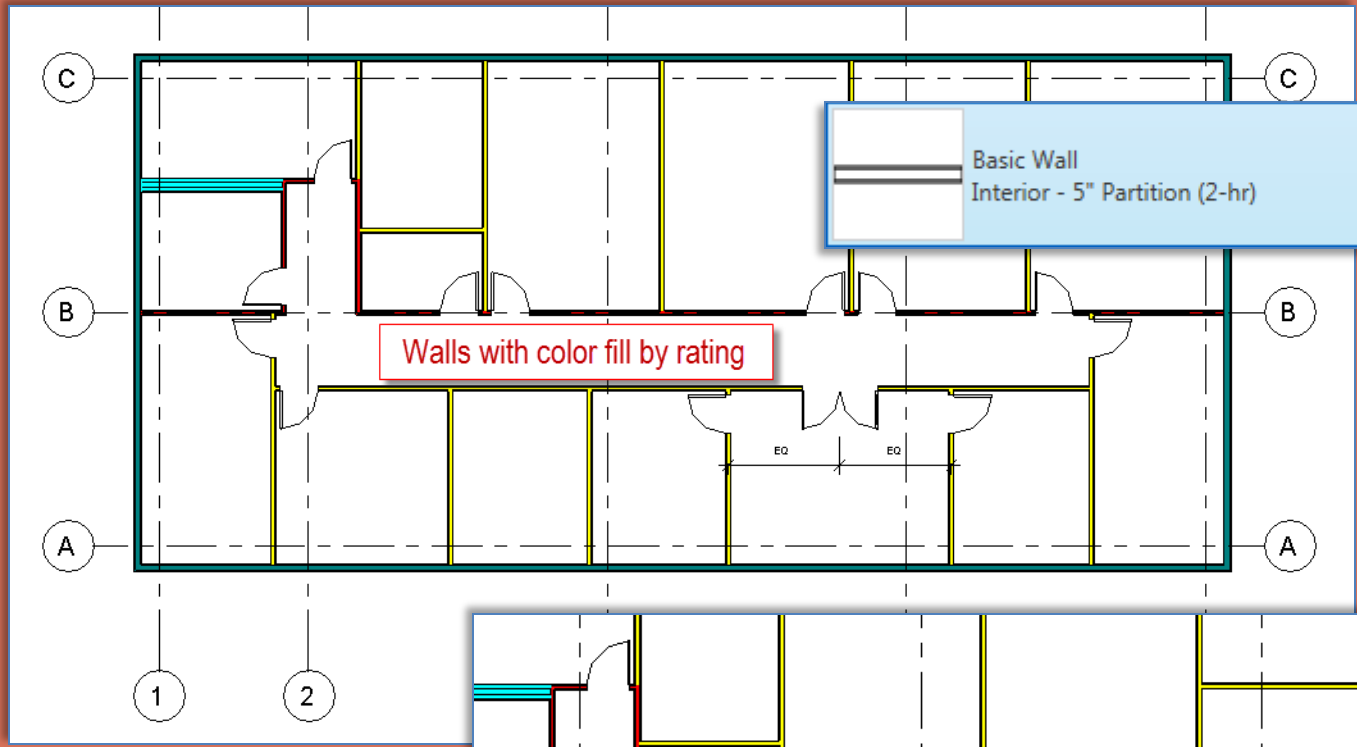
- Exterior Fill
  - Cut > Patterns
    - Color = Teal
    - Pattern = Solid Fill

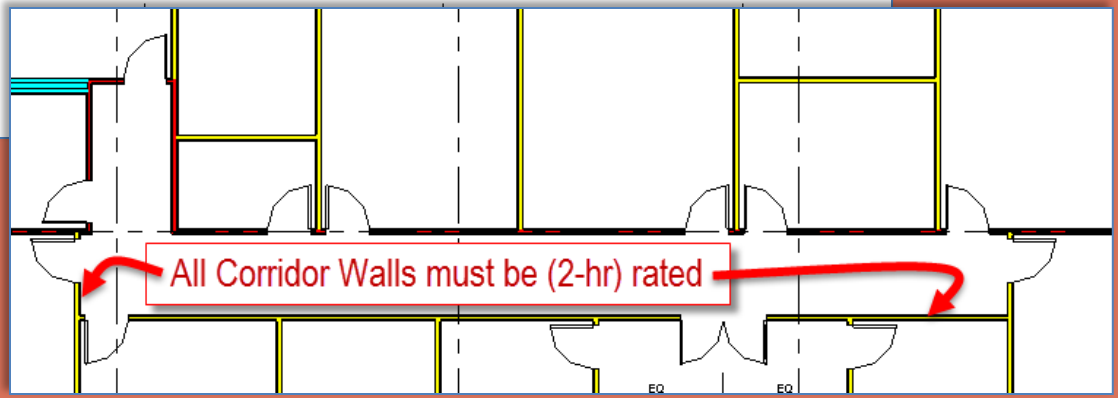
All corridors must be (2-HR) Rated : Discrepancy

Revit Tutorial

- Add Display Filters
- 2-HR
- 1-HR
- Non-Rated
- Exterior
- Discrepancy Corrected

- View Template
- Create & Apply





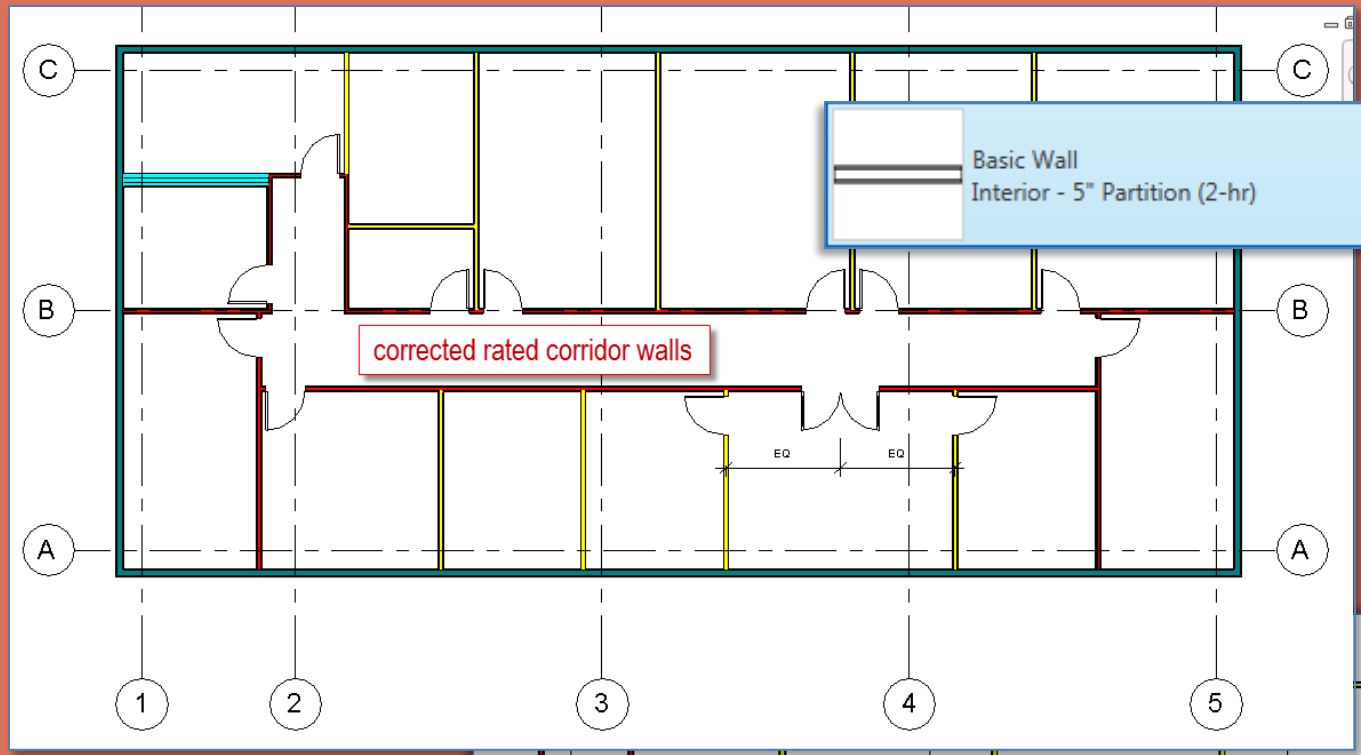
- Use color fill to determine if walls are properly rated
- Split & replace corridor walls with (2-HR) Rated partition type
- Interior 5'' Partition (2-hr)

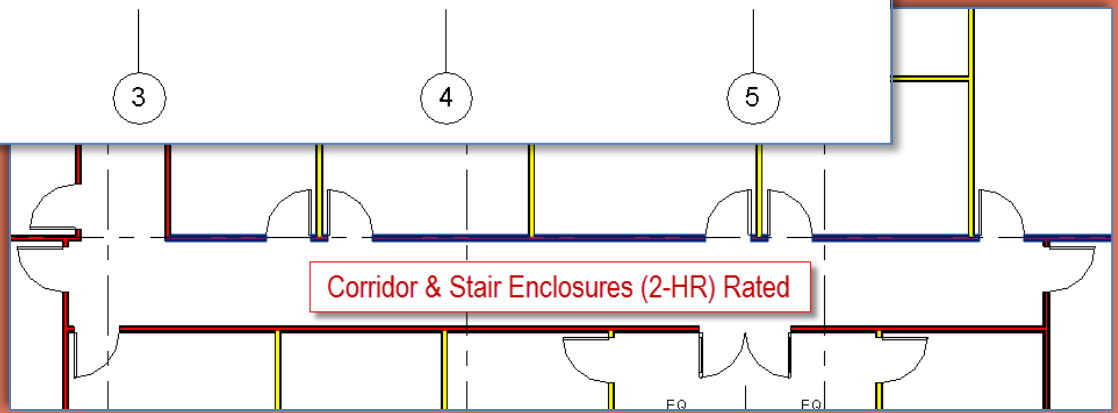
All corridors must be (2-HR) Rated : Corrected

Revit Tutorial

- Add Display Filters
- 2-HR
- 1-HR
- Non-Rated
- Exterior
- Discrepancy Corrected

- View Template
- Create & Apply



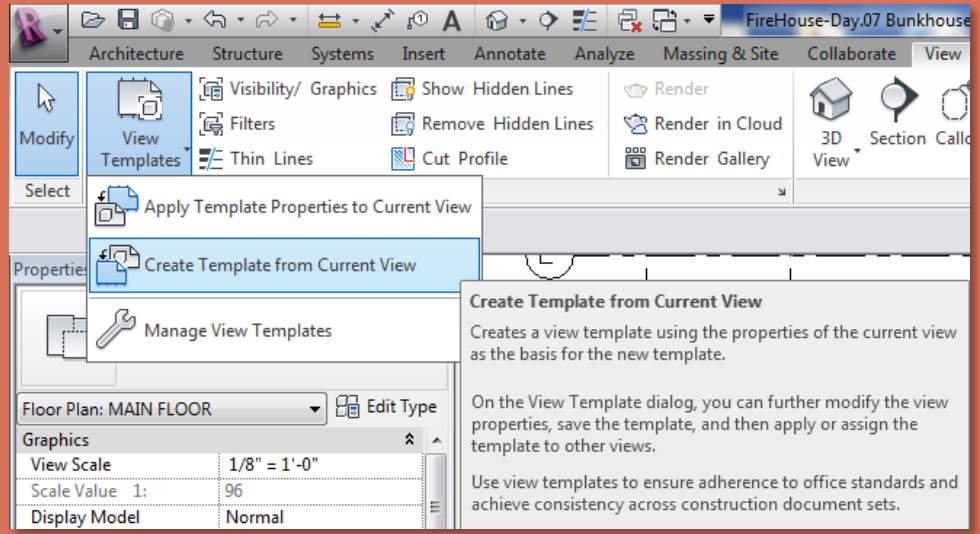


- Use color fill to determine if walls are properly rated
- Split & replace corridor walls with (2-HR) Rated partition type
- Interior 5'' Partition (2-hr)

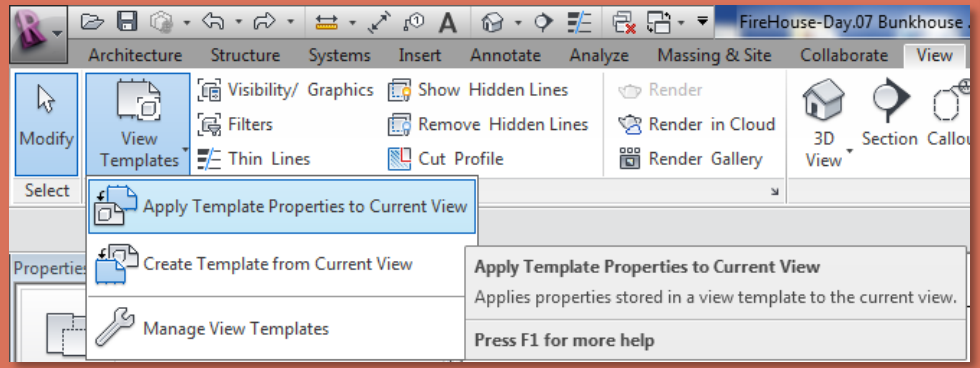
Create & Use a View Template

Revit Tutorial

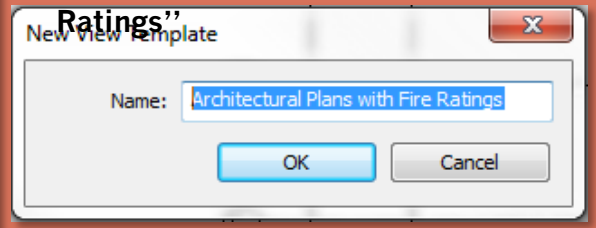
- Add Display Filters
- 2-HR
- 1-HR
- Non-Rated
- Exterior
- Discrepancy Corrected
- View Template
- Create & Apply



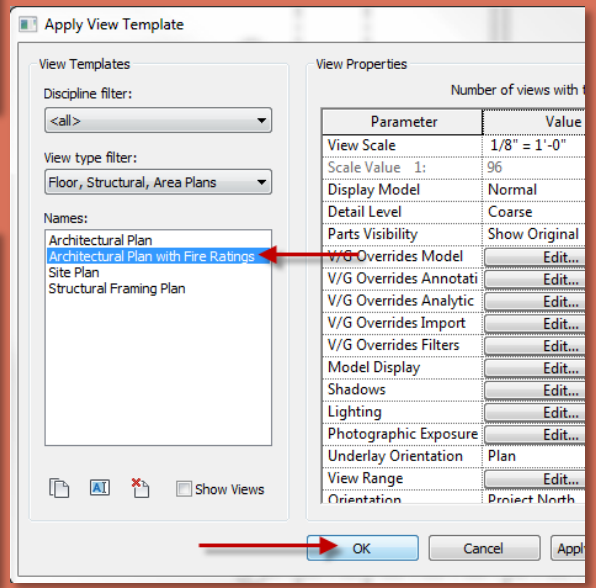
- Select another view
- Apply Template to Current View



- Create Template
- Name it "Architectural Plans with Fire Ratings"



- Select View name from the list



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That's all Folks!