

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



<u>Partitions</u> Wall Type Display Filters Color Coded by Fire Rating

1.9

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Add Display Filter to Show Rated walls in color



- Add Display Filters
- 2-HR
- 1-HR
- Non-Rated
- Exterior
- Discrepancy Corrected
- View
 Template
 Once to 8
- Create & Apply

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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

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• OK

Select View : Main Floor

Visibility/Graphics Overrides > Edit



Revit Tutorial

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Add Display Filter : Apply it to View

Model Categories Annotation Categories Analytical Model Categories Imported Categories Filters Projection/Surface Cut Name Visibility Halftone Patterns Transparen.. Patterns Lines Lines No filters have been applied to this view. Click Add to apply a X Add Filters Select one or more filters to insert. Interior Edit/New... Add and Select -Filter From List Add Remove Up All document filters are defined and Cancel OK Help Edit/N modified here OK Cancel Apply Help Add > Select Filter from the list {c} (B) -(в) (A) {A]

Visibility/Graphic Overrides for Floor Plan: MAIN FLOOR

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

/isib	ility/Graphic Ov	verrides for Flo	or Plan: MAIN	FLOOR					Σ	3
Mo	Model Categories Annotation Categories Analytical Model Categories Imported Categories Filters									
,									- 11	
	Name		Visibility	Pilines	Projection/Surface		C	ut Patterns	Halftone	
	Interior (2-HR)			Override	Override	Override	Override			11
	Fill Pattern Grap Pattern Over ♥ visible Color:			hics			Select Cut Patterns			
	Add		Clear Over	ides	ОК	Cance	P	attern =	Solid Fill	_
	All document modified here	filters are define	d and	Edit/Nev						
	OK Cancel Apply Help									

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

Revit Tutorial



Add Display Filter : Interior Non Rated Partition

Revit Tutorial

- Add Display Filters
- 2-HR
- 1-HR
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- Exterior
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 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

Visil	pility/Graphic Overrides for F	loor Plan: MAIN	FLOOR						8
М	Model Categories Annotation Categories Analytical Model Categories Imported Categories Filters								
		10.11.11	Projection/Surface			Cut			
	Name	Visibility	Lines	Patterns	Transparen	Lines	Patterns	Halftone	
	Interior (2-HR)	✓							
	Interior (1-HR)	✓							
	Interior Not (1 OR 2-HR) Rated		Override	Override	Override	Override			
	Fill Pattern Graphics								
		s RGB 128-255-255 Solid fil			\downarrow	Cut Pattern			
					Pa	Color = Cyan Pattern = Solid Fil			
	Add Remov All document filters are defi modified here	ined and	P Edit/Nev	Down					
					ОК	Cance	Appl	у Н	elp

Add Display Filter : Exterior Walls

Revit Tutorial

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

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



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



Create & Use a View Template

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

Building Technology III

Image: Select	Annotate Analyze Massing & Site Collaborate View Hidden Lines Render ove Hidden Lines Render in Cloud Profile Render Gallery	Create Template Name it "Architectural Plans with Fire Network Stress" Network Stress	5	
Propertie Properties to Current View Propertie Propertie <	Create Template from Current View Creates a view template using the properties of the current view as the basis for the new template. On the View Template dialog, you can further modify the view properties, save the template, and then apply or assign the template to other views. Use view templates to ensure adherence to office standards and	Name: Architectural Plans with Fire Ratings OK Cancel • Select View name from the list • Apply View Template View Templates View Properties		
Display Model Normal F • Select another view • Apply Template to Current Image: Provide the system of the	View Nor → The Rest of the set of the se	Discipline filter: Numb	1/8" = 96 Norma Coarse Show (
Modify View Templates Select Propertie Manage View Templates Manage View Templates Manage View Templates	Apply Template Properties to Current View Applies properties stored in a view template to the current view.	V/G Overrides Analytic V/G Overrides Import V/G Overrides Import Infort V/G Overrides Import V/G Overrides Import Import V/G Overrides Import Import V/G Overrides Import Import V/G Overrides Import	Plan Project	

X

Number of views with

Normal

1/8" = 1'-0"

Show Original

Value

Edit...

Appl

Project North

