SHEATHING and PANELING LAYOUTS – Paneling Configuration

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Paneling Configuration





Paneling Configuration – allows you to configure and save settings for the paneling layouts. These settings can be saved and linked with floor layer using Link Floor.



Using Paneling Configuration you can predefine insulation and paneling setting for your Revit project.

Insulation or panels are created using Revit Parts. In order to see the panels or insulation, you have to select Show Parts or Show Both in View Properties \rightarrow Parts Visibility.

Properties	×
3D View	-
3D View: {3D}	✓ Call Edit Type
Graphics	\$
View Scale	3/8" = 1'-0"
Scale Value 1:	32
Detail Level	Medium
Parts Visibility	Show Both
Visibility/Graphics Overrides	Show Parts
Graphic Display Options	Show Original
Discipline	Show Both

These settings can be saved and linked with floor layer using Link Floor.

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R Link Floor										-	
Floor : Floor 150+20SH+20FI-45B-20SH	Family:	Floor									
Floor : Floor 200	Type: Floor 200+18SH+35FI-458-18SH Total thickness: 315										
Floor : Floor 200 wiith Simson Hangers	Layers					EXTERIC	OR SIDE				
		Thickness	Framing Layer	Framing Configuration	Configuration	Frame	Frame Part	Split Parts	Split by	Sheathing/Paneling Configuration	Exclude Parts
Floor : Floor 200 wo Details	oring	35 mm	Flooring *	M_Floor Flooring ×	Fixed ×		~	~		Panel v	
Eleor - Eleor 200+185H+35EL45B-185H	eathing - plywoc	18 mm	Sheathing *	None V	Fixed *			✓		Floor Frame - 1 Top & 1 Bottom Layers 💙	
	ıd Layer	200 mm	Frame Y	M_Floor Wood Frame 💉	Fixed Y	✓			✓	None *	✓
Foundation Slab : Foundation Slab 1	id Layer	45 mm	Batten ×	M_Floor Batten ×	Fixed ~	✓			✓	None	✓
	thing, Chipboar	18 mm	Sheathing *	None 🗸	Fixed ~			✓		Floor Frame - 1 Top & 1 Bottom Layers 🛛 👻	
Roof Soffit : Generic - 300mm											
~	<										>
	·									Cancel	OK

R Floor+M. Paneling Configuration								-		×
Configuration : Panel	 Save 	Duplicate	Rename	Delet	e					
Paneling Dimensions	Paneling Dime	nsions								
	Vertical ——					Horizont	al	 		
	Width 600	-				Width	150			
Paneling Layout	Length 180	0				Length	10000			
	Preview —									
Division Profile										
~										
Mark Settings										
Opening										
End Connection										
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Paneling Dimensions

Paneling Dimensions	Paneling Dimensions	
	Vertical	Horizontal
	Width 600	Width 150
~ Paneling Layout	Length 1800	Length 10000
	C Preview	
~ Division Profile		
~ Mark Settings		
Opening		
End Connection		
		· · · · · · · · · · · · · · · · · · ·

Paneling Dimensions – predefine vertical and horizontal paneling sizes (Width and Length).

Paneling Layout

Paneling Dimensions	Paneling Layout Special Layout	
	Paneling Layout	
	Parallel to Stud/Joist	Perpendicular to Stud/Joist
A Paneling Layout	Build in Place	
	Bottom/Base Extension 0 Apply Horizontally	Top/End Extension 0 Apply
~	Sloped Bottom/Base Extension 0 Apply Horizontally	Sloped Top/End Extension 0 Apply
~ Division Profile	Division Horizontal Offset 0	Division Vertical Offset 50
	Placement Direction From Start v	Second Row Overlap Distance 0
	Vertical Elements Cut Panels	Horizontal Elements Cut Panels
~ Mark Settings	Add First Split Line	Add Last Split Line
	Align with Studs/Joists	Always Try to Merge Parts None Y
~	Allow to Split on Second King/Joist 🔽	Including Parts with Different Edges
Opening	Vertical Split by "Split Part"	
	Vertical Split Limits Throughout V	Vertical Split On Opening Side Opening Side v
	Horizontal Split by "Split Part"	Minimal Width of Opening for Split 0
End Connection	Split by "Split Part Priority"	Horizontal Split On Opening Side
	Split by "Part Division Profile" (beta)	Split by Steeped Top Ridge
	Complete Sheets in First Row 🗹	Split by Steeped Bottom Ridge

Paneling Layout - predefine settings for creating the paneling.

Read more about every feature here >> (https://agacad.freshdesk.com/support/solutions/articles/44002140223sheathing-and-paneling-layouts-%E2%80%93-paneling-configuration-%E2%80%93-paneling-layout)

Special Layout

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Paneling Dimensions	Paneling Layout Special Layout	
	C Split Settings	
	Enable Special Layout 🔽	
	Split Type Split by side of openings ~	
Paneling Layout	'Following Split Function - 'Split by Parameter - by Priority	J
~~	Split by Openings	ן
Division Profile	Window	
	Minimal Distance from Window 0	
	Minimum Window Width 0	
• Mark Settings	Door	
Mark Settings	Minimal Distance from Door 0	
	Minimum Door Width 0	
	Generic Openings	
Opening	Minimal Distance from Generic Opening 0	
	Minimum Generic Opening Width 0	
	System Openings	
End Connection	Minimal Distance from System Opening 0	
	Minimum System Opening Width 0	
	Fit opening in complete split segment	

Special Layout – place for applying special layout that can't be defined with regular **Paneling Dimensions**. To enable all possible options switch on **Enable Special Layout**.



Split Type – all possible layout rule.

Division Profile

Paneling Dimensions	Paneling Layout
Paneling Layout	Vertical Gap 0.3 Vertical Division Profile None ~ Vertical Profile Edge Mirrored
Division Profile	Horizontal Gap 0.4
	Horizontal Division Profile Notch: Notch ~
~	Horizontal Profile Edge Mirrored
Mark Settings	Horizontal Profile Along Flip
	Preview
Opening	
End Connection	

Horizontal/Vertical Gap – specifies the distance between divided horizontal and vertical parts. The default value is 0, which results in no gap.

Note that if Always Try to Merge Parts is ticked ON, Gap will not be applicable.



Paneling Layout

Vertical Gap	0.3
Vertical Division Profile	None V
Vertical Profile Edge Mirrored	
Vertical Profile Along Flip	
Horizontal Gap	0.4
Horizontal Division Profile	M_Notch: Notch ~
Horizontal Profile Edge Mirrored	d 🗌
Horizontal Profile Along Flip	

Horizontal/Vertical Division Profile – apply the pre-loaded profile you select from the drop-down list to part edges along dividers. The default value is None.



Pa	neling Layout	
٢		
	Vertical Gap	0.3
	Vertical Division Profile	None ~
	Vertical Profile Edge Mirrored	
	Vertical Profile Along Flip	
-	Horizontal Gap	0.4
	Horizontal Division Profile	M_Notch: Notch ~
	Horizontal Profile Edge Mirrored	
	Horizontal Profile Along Flip	

Horizontal/Vertical Profile Edge Mirrored – specify how the profiles on the other side of a divider gap will be oriented.





ticked

Mark Settings

Paneling Dimensions	Mark Settings
	Mark Settings
	Framing Member Panel
Paneling Layout	Framing Member Description Panel
	Framing Member Type Panel
~~	Framing Member Mark PNL
Division Profile	Framing Configuration
	Part Detail Configuration
	CNC Configuration
Mark Settings	Preview
4	
Opening	
End Connection	

Mark Settings – predefine default values for these parameters. The parameters can be later used in schedules and tags.

	∧ Properties		>	×
	R			
	Parts (1)	~	🗟 Edit Type	
	Identity Data		* ^	
	Image			
	Comments	**************************************		
	Mark	0		
3	Framing Member	Panel		
	Framing Member Type	Panel		
13/	Framing	Floor		
	Framing Member Description	Panel		
	FM SortMark	PNL - 6		i l
	Framing Layer	Paneling		
	Framing Member Mark	PNL		
	FM HostMemberSortMark			
	Framing Member Mass			
	Framing Member Volume	46.92 CF		

Part Detail Configuration and **Framing Configuration** – you can predefine default configurations to be added to every part.

Detail configuration comes from <u>Smart Details (http://www.aga-cad.com/products/bim-solutions/smart-details)</u>. Smart **Details** can instantly add any number of face-specific intelligent details – which adapt to host-element changes – throughout BIM models.

Opening

Paneling Dimensions	Opening
	Opening
Paneling Layout	*Additional Offset from Framing Configuration Bottom Offset 1 Top Offset 1 Left Offset 1
Division Profile	Right Offset
Mark Settings	
Opening	
End Connection	

Opening – predefine top, bottom, left, and right paneling offsets from the opening.



End Connection

Paneling Dimensions	Free End - Start Free End - End
	End Connection
Paneling Layout	Layer Extension 20 Split at Joist None × Build in Place
	Excluded
Division Profile	Offset Distance 0
	Preview
Mark Settings	
Opening	
End Connection	

End Connection – predefine paneling settings for floor end connections.

Layer Extension – distance from a floor face.

Example: For the free end connection **Layer Extension** = 20:





Example: **Split at Joist** = 1:



Build in Place – writes Yes/No information into the panel instance parameter if it is build-in-place or is prefabricated with whole floor frame. Later this parameter can be used in schedules or view filters.



Excluded – removes the panel (part) from the model. Excluded panels are only visible when under the cursor and will not be included in schedules.

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Properties		×			
R		Ŧ			
Parts (1)	🗸 🖓 Ed	lit Type			
Constraints		^			1
Base Level	Level 2				
Construction		\$			
Link to Connected Wall	~				
Framing Configuration					
Build in Place	✓				
Part Detail Configuration					
Assembly Mass					
Element Mass					
Assembly Created-Updated					
Details Created-Updated					
DC					
Dimensions		\$			
Volume	0.012 m³				
Area	0.968 m²				
Length	322.5				
Height	3000.0				
Thickness	12.0			 	
Excluded	✓				l
Shape is modified					
Identity Data		\$			