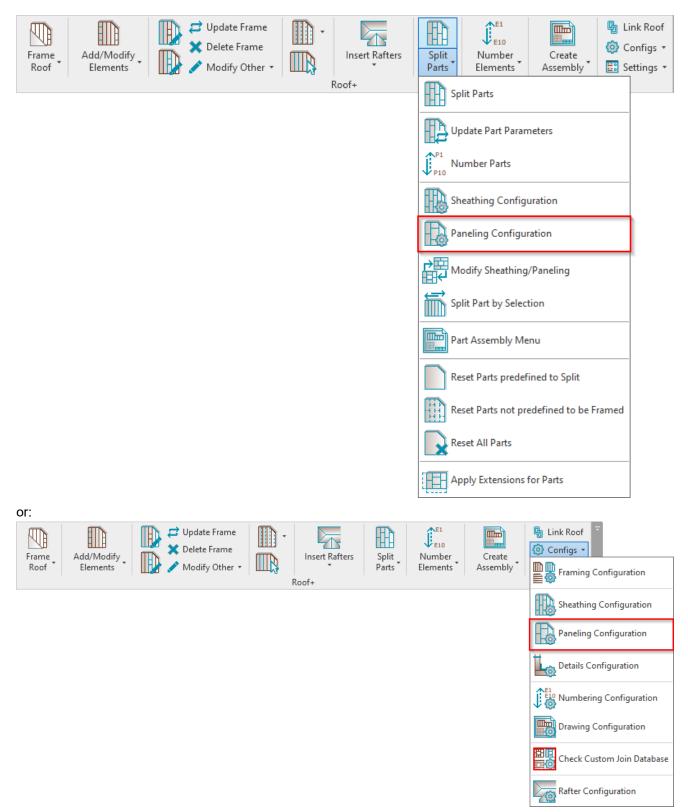
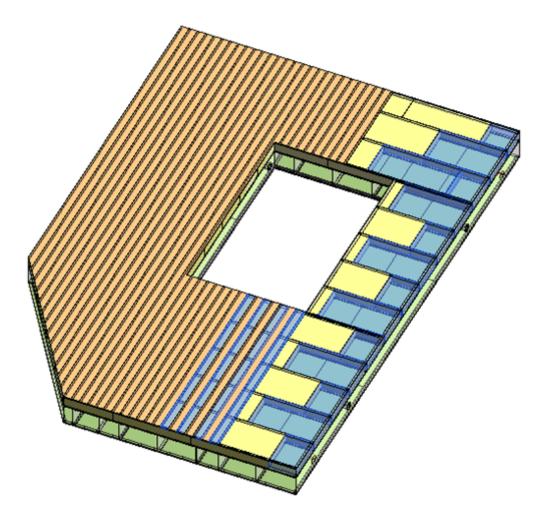
SHEATHING and PANELING LAYOUTS – Paneling Configuration

Modified on: Sun, 17 Jan, 2021 at 6:46 PM

Paneling Configuration

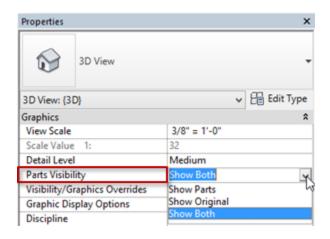


Paneling Configuration – allows you to configure and save settings for the paneling layouts. These settings can be saved and linked with roof layer using Link Roof.



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.



These settings can be saved and linked with roof layer using Link Roof.

R Link Roof Basic Roof : Roof 300 - for Rafters	Type: Ro	asic Roof pof 300 - for I	Rafters								- 0 💌
Basic Roof : Roof 300 - Frame Panel	Total thickness: 45 Layers	50			EXTERIOR SIDE						
	erial	Thickness	Framing Layer	Framing Configuration	Configuration	Frame	Frame Part	Split Parts	Split by	Sheathing/Paneling Configuration	Exclude Parts
	ing	50.00 mm	Roofing ~	M_Roof Paneling	Fixed ~	~	~	~		Panel v	
	d - Cherry	30.00 mm	Batten v	M_Roof_Panel Battens	Fixed Y	V	✓			None	1
	d - C24	48.00 mm	Secondary Frame 👻	M_Roof_Panel Secondary Frame	Fixed Y	-	~			Panel v	1
	d - Sheathing - particle	9.00 mm	Sheathing Y	None	Fixed Y					Roof Frame - 1 Top & 1 Bottom I 💉	
	ture - Wood Joist/Raft	300.00 mm	Frame v	M_Roof_Rafter Main Frame	Fixed Y	✓	✓			Panel Y	v
	d - Sheathing - plywoo	13.00 mm	Paneling ~	None	Fixed Y					Panel v	✓
	<					~					>
										Cancel	ОК

R Roof+. Paneling Configuration		-		×
Configuration : Panel	Save Duplicate Rename Delete			
Paneling Dimensions	Paneling Dimensions Vertical Width 1200 Width 1200			
Paneling Layout	Length 2500 Length 2500			
Division Profile				
Mark Settings				
Opening				
End Connection				
L]	ОК		Cance	el

Paneling Dimensions

7/9/2021

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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		
Paneling Layout	Build in Place					
	Bottom/Base Extension	0	Apply Horizontally	Top/End Extension	0	Apply Horizontally
	Sloped Bottom/Base Extension	24	 Apply Horizontally 	Sloped Top/End Extension	-24	Apply Horizontally
Division Profile	Division Horizontal Offset	0		Division Vertical Offset	0	
	Placement Direction	From Start		Second Row Overlap Distance	0	
	Vertical Elements Cut Panels			Horizontal Elements Cut Panels		
	Add First Split Line			Add Last Split Line		
Mark Settings	Align with Studs/Joists			Always Try to Merge Parts	None v	1
	Allow to Split on Second King/Jois	t 🖌		Including Parts with Different Edges		1
Opening	Vertical Split by "Split Part"				· 🖵	
	Vertical Split Limits	Throughout v		Vertical Split On Opening Side	None 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" (bet			Split by Steeped Top Ridge		
	Complete Sheets in First Row			Split by Steeped Bottom Ridge		
				L		

Paneling Layout – predefine settings for creating the paneling.

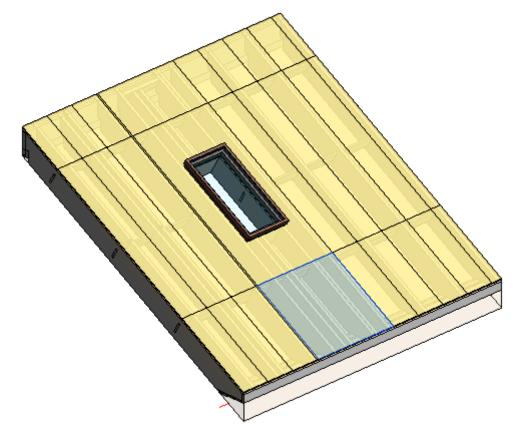
Read more about every feature here >> (https://agacad.freshdesk.com/support/solutions/articles/44002140223sheathing-and-paneling-layouts-%E2%80%93-paneling-configuration-%E2%80%93-paneling-layout)

Special Layout

SHEATHING and PANELING LAYOUTS - Paneling Configuration : AGACAD

Paneling Dimensions	Paneling Layout Special Layout					
	Split Settings Enable Special Layou	ıt 🔽				
	Split Type Split from start	~				
Paneling Layout	'Following Split Function - 'Split by Parameter - by Priority	y 🗆				
	Split by Openings					
Division Profile	Window					
	Minimal Distance from Window 300					
	Minimum Window Width 0					
Mark Settings	Door					
Mark Settings	Minimal Distance from Door 100					
	Minimum Door Width 0					
	Generic Openings					
Opening	Minimal Distance from Generic Opening 100					
	Minimum Generic Opening Width 0					
	System Openings					
End Connection	Minimal Distance from System Opening 200					
	Minimum System Opening Width 0					
	✓ Fit opening in complete split segment					
	Split Spacing					
	Spacing 3000					
	Maximum Spacing 0					
	Minimum Length of Splited Wall 0					

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**.



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 None ~ Horizontal Profile Edge Mirrored
Mark Settings	Horizontal Profile Along Flip
Opening	
End Connection	

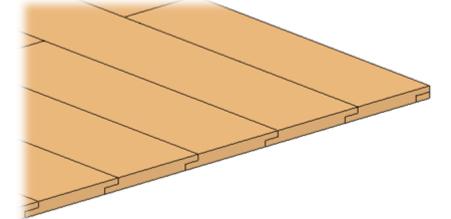
Horizontal/Vertical Gap – specifies the distance between divided horizontal and vertical parts. The default value is 0, which results in no gap.

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

0.3	30" 0.40	
	0.4	

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	

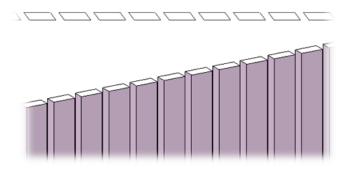
Horizontal/Vertical Division Profile – apply the pre-loaded profile you select from the drop-down list to part edges along dividers. The default value is None.

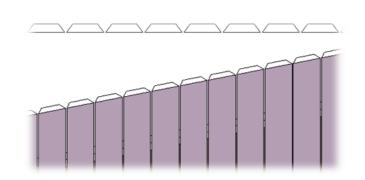


15	3/2021	SHEATHING and PANELING I
	Paneling Layout	
	Vertical Gap	0.3
	Vertical Division Profile	None ~
	Vertical Profile Edge Mirrored	
	Vertical Profile Along Flip	
	Horizontal Gap	0.4
	Horizontal Division Profile	M_Notch: Notch ~
	Horizontal Profile Edge Mirrored	
	Horizontal Profile Along Flip	
1		

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

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ticked

Mark Settings

7/9/2021

Roof+. Paneling Configuration					-		×
Configuration : Panel	✓ Sav	ve Duplicate	Rename	Delete			
Paneling Dimensions	Mark Settin	gs					
	Mark Setti	ngs					
		Member	Panel]		
Paneling Layout		Member Descriptio Member Type	n Panel Panel] 1		
		Member Mark	PNL]		
Division Profile		Configuration]		
	Part Det	ail Configuration]		
	Preview -						
Mark Settings							
Opening							_
End Connection							
					\sim		
				((+)		
					Ú		
					OK	Can	cel

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

7/9/2021	SHEATHING and PANELI	NG LAYOUTS – Paneling Configura	tion : AGACAD	
	- 0 × ^	Properties		×
		R		*
	FRONT	Parts (1)	✓ Contraction Edit T	ype
	A A	Comments		^
	1	Mark		
)		Framing Member Description	Panel	
		Framing Member Volume	42.58 CF	
		Framing Member Type	Panel	
	E	Framing Member Mark	PNL	
		FM SortMark	PNL - 11	
		Framing Member	Panel	
		Framing	Roof	
		FM HostMemberSortMark	Roof Framing Ra	
		Framing Layer	Paneling	
		Framing Member Mass		
		Show Shape Handles		
		Original Category	Roofs	
		Original Family	Basic Roof	
Shadaa		Original Type	Roof Framing Ra	
		Material By Original	✓	
		Material	Roofing	
		Construction	Finish	
		Dissing		•

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.

Example: Insulation fasteners are automatically added to every insulation:

Mark Settings	
Mark Settings	
Framing Member	Panel
Framing Member Description	Panel
Framing Member Type	Panel
Framing Member Mark	PNL
Framing Configuration	
Part Detail Configuration	Insulation Fastener

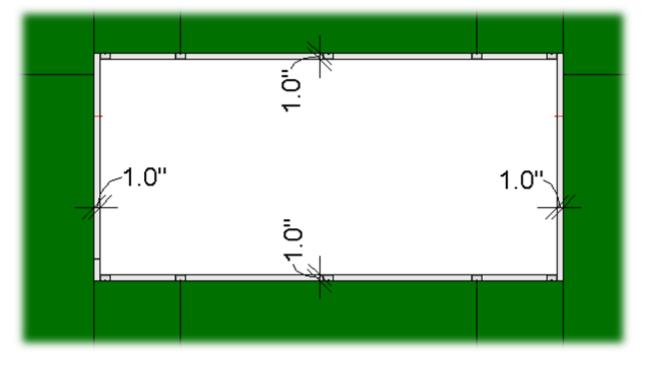
SHEATHING and PANELING LAYOUTS - Paneling Configuration : AGACAD

- D-XX ^ Properties	×
R	÷
Parts (1) V 🗄 Edit	Туре
Constraints	* ^
Base Level Level 5]
Construction	*
Assembly Created-Updated	
Assembly Mass	
Element Mass	
O Framing Configuration	
Details Created-Updated 2017-01-23 09:04:37	
Part Detail Configuration Insulation Fastener	
Uimensions	*
Volume 1.27 CF	
Area 7.75 SF	
Length 120.00	
Height 600.00	

Opening

R Roof+. Paneling Configuration		-		×
Configuration : Panel	Save Duplicate Rename Delete			
Paneling Dimensions	Opening			
	Opening			
	*Additional Offset from Framing Configuration			
Paneling Layout	Bottom Offset 1 Top Offset 1			
	Left Offset 1			
Division Profile	Right Offset 1			
	Preview			
~				
Mark Settings				
Opening				_
				-
End Connection				
	ОК	(Cano	:el

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



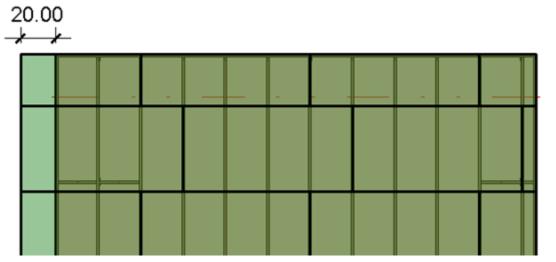
End Connection

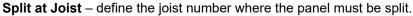
Roof+. Paneling Configuration		-		×
Configuration : Panel	Save Duplicate Rename Delete			
Paneling Dimensions	Free End - Start Free End - End			
	End Connection			
	Layer Extension -24			
Paneling Layout	Split at Joist None Build in Place			
	Excluded			
Division Profile	Offset Distance 0			
	Preview			
×				
Mark Settings				
Opening				_
				-
End Connection				
	0	(Canc	el

End Connection – predefine paneling settings for roof end connections.

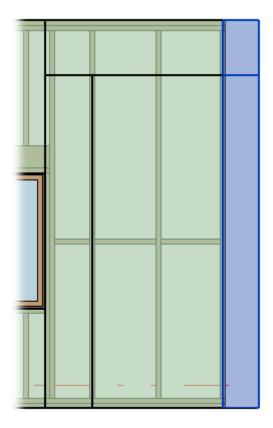
Layer Extension – distance from a roof face.

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









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



SHEATHING and PANELING LAYOUTS - Paneling Configuration : AGACAD

Properties		×		
R		Ŧ		
Parts (1)	🗸 🕄 Ed	lit Type		
Constraints		* ^		
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 – removes the panel (part) from the model. Excluded panels are only visible when under the cursor and will not be included in schedules.

