## SHEATHING and PANELING LAYOUTS – Sheathing Configuration

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### **Sheathing Configuration**





#### SHEATHING and PANELING LAYOUTS – Sheathing Configuration : AGACAD

**Sheathing Configuration** – allows you to configure and save settings for sheathing layouts. These settings can be saved and linked with floor layer using **Link Floor**.

R Link Floor										-		×
Floor : Floor 150+20SH+20FI-45B-20SH	Family: Type:	Floor Floor 20	0+18SH+35FI-45	iB-18SH								
Floor : Floor 200	Total thickness:	otal thickness: 315										
Floor : Floor 200 wiith Simson Hangers	Layers					EXTERIO	R SIDE					
		Thickness	Framing Layer	Framing Configuration	Configuration	Frame	Frame Part	Split Parts	Split by	Sheathing/Paneling Configuration	Exclude	e Parts
Floor : Floor 200 wo Details	oring	35 mm	Flooring Y	M_Floor Flooring ×	Fixed Y		✓	-		Panel v		1
Floor - Floor 200+185H+35FL45B-185H	eathing - plywor	18 mm	Sheathing Y	None V	Fixed ~			1		Floor Frame - 1 Top & 1 Bottom Layers 🛛 👻		]
	id Layer	200 mm	Frame ×	M_Floor Wood Frame 💉	Fixed ~	✓			<b>√</b>	None ×	-	1
Foundation Slab : Foundation Slab 1	id Layer	45 mm	Batten v	M_Floor Batten ×	Fixed ~	✓			✓	None	1	1
	thing, Chipboar	18 mm	Sheathing Y	None V	Fixed ~			-		Floor Frame - 1 Top & 1 Bottom Layers 🛛 👻		]
Roof Soffit : Generic - 300mm												
~	<											>
										Cancel	O	к

R Floor+M. Sheathing Config		-		×
Configuration : Floor Frame - 1 Top & 1 Bot	X     Save     Duplicate     Rename     Delete			
Sheathing Dimensions	Sheathing Dimensions			
	Vertical Sheathing Horizontal Sheathing			
	Width 1200 Width 1200			
Sheathing Layout	Length 3000 Length 3000			
	Preview			
-				,
Division Profile				
• Mark Settings				
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Opening				-
End Connection				
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## **Sheathing Dimensions**

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Sheathing Dimensions	Sheathing Dimensions	
	Vertical Sheathing	Horizontal Sheathing
	Width 1200	Width 1200
a Sheathing Layout	Length 3000	Length 3000
	~ Preview	
Division Profile		
Mark Cattings		
Mark Settings		
Opening		
5.10		
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Sheathing Dimensions - predefine vertical and horizontal sheathing sizes (Width and Length).

#### **Sheathing Layout**

Sheathing Dimensions	Bottom Sheathing Top Sheathing			
	First Bottom Layer	]	Second Bottom Layer	
	Parallel to Stud/Joist	$\checkmark$	Parallel to Stud/Joist	$\checkmark$
Sheathing Layout	Perpendicular to Stud/Joist		Perpendicular to Stud/Joist	
	Build in Place		Build in Place	
	Bottom/Base Extension	0 Apply	Bottom/Base Extension	0 Apply
Division Profile	Sloped Bottom/Base Extension	0 Apply	Sloped Bottom/Base Extension	0 Apply
	Top/End Extension	0 Apply	Top/End Extension	0 Apply
	Sloped Top/End Extension	0 Apply	Sloped Top/End Extension	0 Apply
Mark Cattings	Placement Direction	From Start	Placement Direction	From End
Mark Settings	Vertical Elements Cut Panels		Vertical Elements Cut Panels	
	Horizontal Elements Cut Panels		Horizontal Elements Cut Panels	
	Second Row Overlap Distance	1200	Second Row Overlap Distance	1200
Opening	Align with Studs/Joists		Align with Studs/Joists	
	Split by Secondary Custom Studs/Joists Axis		Split by Secondary Custom Studs/Joists Axis	
	Allow to Split on Second King/Joist		Allow to Split on Second King/Joist	
	Always Try to Merge Parts Verti	cally & Horizontall	Always Try to Merge Parts Vert	ically & Horizontall
	Including Parts with Different Edges		Including Parts with Different Edges	

Sheathing Layout – predefine settings for Top and Bottom sheathing layers.

<u>Read more about every feature here >> (https://agacad.freshdesk.com/support/solutions/articles/44002140222-</u> sheathing-and-paneling-layouts-%E2%80%93-sheathing-configuration-%E2%80%93-sheathing-layout)

# **Division Profile**

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Sheathing Dimensions	Bottom Sheathing Top Sheathing	
	First Inner Profile	Second Inner Profile
Sheathing Layout	Vertical Gap 0 Vertical Division Profile None Vertical Profile Edge Mirrored M_Tapered Notch	Vertical Gap 0 Vertical Division Profile None v : Tapered Notch Vertical Profile Edge Mirrored
	Vertical Profile Along Flip M_Angled Step: A M_Notch: Notch	Ngled Step Vertical Profile Along Flip
Division Profile	Horizontal Gap Notch: Notch	Horizontal Gap 0
	Horizontal Division Profile	Horizontal Division Profile None v
~~	Horizontal Profile Edge Mirrored	Horizontal Profile Edge Mirrored
Mark Settings	Horizontal Profile Along Flip	Horizontal Profile Along Flip
	Preview	
Opening		
End Connection		<u>п</u>
		L.

Division Profile – apply the pre-loaded profile and settings to part edges along dividers.



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



**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.

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

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## **Mark Settings**

	Sheathing Dimensions	Bottom Sheathing Top Sheathin	ig				
	Sheathing Dimensions	First Bottom Layer	]	Second Bottom Layer			
		Framing Member	Framing Sheathing	Framing Member	Framing Sheathing		
~	Sheathing Layout	Framing Member Description	Sheathing	Framing Member Description	Sheathing		
E		Framing Member Type	Sheathing	Framing Member Type	Sheathing		
-4		Framing Member Mark	SHB	Framing Member Mark	SHB		
~	Division Profile	Framing Configuration		Framing Configuration			
E S	,	Part Detail Configuration		Part Detail Configuration			
		CNC Configuration		CNC Configuration			
	Mark Settings	Preview					
P	Opening						
	End Connection		L				
	:						

Mark Settings – predefine default values for these parameters for later use in schedules and tags.

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-	_ 0 % ^	Properties		>
	Z	R		,
	-	Parts (1)	✓ Carl Edit Ty	ype
	19	Excluded		~
		Shape is modified		
		Identity Data	\$	:
	$\sim$	Image		
	11217	Comments		
	NH	Mark		
	A/Zª	Framing Member	Framing Sheathing	
	Contraction of the local diversity of the loc	Framing Member Type	Sheathing	
		Framing	Floor	
		Framing Member Description	Sheathing	
		FM SortMark	SH - 11	
	1	Framing Layer	Sheathing	
		Framing Member Mark	SH	
		FM HostMemberSortMark	F-11	
		Framing Member Mass		
		Framing Member Volume	32.98 CF	
HHL THE		Show Shape Handles		

## Opening

Sheathing Dimensions	Bottom Sheathing Top Sheathing	
sincatining billicitisions	First Bottom Layer	Second Bottom Layer
Sheathing Layout	*Additional Offset from Framing Configu Bottom Offset 1 Top Offset 1 Left Offset 1	*Additional Offset from Framing Configuration   Bottom Offset   Top Offset   Left Offset
Division Profile	Right Offset 1	Right Offset 1
Mark Settings		
Opening		
End Connection		

**Opening** – predefine top, bottom, left, and right sheathing offsets from opening.



## **End Connection**

End Connection – predefine sheathing settings for floor end connections.

Layer Extension – distance from floor face.





Split at Joist - define the joist number at which the sheathing must be split.

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



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



**Excluded** – removes the sheathing (part) from the model. Excluded sheathings 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		<b>^</b>			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		*			