LINK FLOOR

Modified on: Sat, 21 Nov, 2020 at 8:42 PM

Link Floor



Link Floor – makes a link between floor type from the project and the configuration. Choose the floor type you want to link and apply framing configuration to the layers.

R					Link Floor	r								- 🗆 🗙
Floor : Floor 150+20SH+20FI-45B-20SH		mily:	Floor											
Floor : Floor 200	To	ype: Floor 200+18SH+35FI-45B-18SH otal thickness: 315												
Floor : Floor 200 wiith Simson Hangers	Lay	yers					EXTERIOR SID	θE						
		Function	Material	Thickness	Framing Layer	r	Framing Configuration		Configuration	Frame	Frame Part	Split Parts	Split by	Sheathing/Paneling C
Floor : Floor 200 wo Details	0	Finish2	Wood - Flooring	35 mm	Flooring	~	M_Floor Flooring	~	Fixed ~			~		None
Floor : Floor 200+18SH+35FI-45B-18SH	1	Finish1	Wood - Sheathing -	18 mm	Sheathing	*	None	~	Fixed ~			-		Floor Frame - 1 Top 8
FIOOT : FIOOT 200+ 165H+55FI-45B- 165H	2	Structure	Wood - Stud Layer	200 mm	Frame	~	M_Floor Wood Frame	~	Fixed ~	✓			✓	None
Foundation Slab : Foundation Slab 1	3	Finish1	Wood - Stud Layer	45 mm	Batten	*	M_Floor Batten	~	Fixed ~	✓			✓	None
	4	Finish2	Wood Sheathing, Cl	18 mm	Sheathing	*	None	~	Fixed ~			-		Floor Frame - 1 Top 8
Roof Soffit : Generic - 300mm	<													······
×								_						· · ·
													Cance	el OK

Dialog:

Floor : Floor 150+20SH+20FI-45B-20SH	Ту	mily: /pe: otal thickness:	Floor Floor 200+18SH+35 315	iFI-45B-102										
Floor : Floor 200	Lay		315			3	EXTERIOR SI	DE						
		Function	Material	Thickness	Framing Laye	r	Framing Configuration		Configuration	Frame	Frame Part	Split Parts	Split by	Sheathing/Paneling
Floor : Floor 200 wo Details	0	Finish2	Wood - Flooring	35 mm	Flooring	Ŷ	M_Floor Flooring	¥	Fixed ×			~		None
Floor : Floor 200+18SH+35FI-45B-18SH	1	Finish1	Wood - Sheathing -	18 mm	Sheathing	*	None	~	Fixed ~			-		Floor Frame - 1 Top
FIOOF : FIOOF 200+ 165H+55FI-45B-165H	2	Structure	Wood - Stud Layer	200 mm	Frame	~	M_Floor Wood Frame	¥	Fixed ~	✓			✓	None
Foundation Slab : Foundation Slab 1	2 3 4	Finish1	Wood - Stud Layer	45 mm	Batten	¥	M_Floor Batten	¥	Fixed ~	-			✓	None
	4	Finish2	Wood Sheathing, Cl	18 mm	Sheathing	~	None	~	Fixed ~			✓		Floor Frame - 1 Top
Roof Soffit : Generic - 300mm					<u></u>				3					5
	~													

In the above dialog, you can see:

1. All floor types from the current project. If you select a floor from the project, it will automatically be selected in this dialog so that you can quickly apply settings.

2. Information of selected type.

3. Information of selected floor layers where you can apply settings.

Information from selected floor type:

Note: Material is mandatory for assigning framing configuration!

315								
		EXTERIOR SI)F					
/laterial	Thickness			Framing Configuration		Configuration	Fr	rame
Vood - Flooring	35 mm	Flooring	~	M_Floor Flooring	~	Fixed V	T	
/ood - Sheathing - plywoc	18 mm	Sheathing	~	None	V	Fixed Y		
Vood - Stud Layer	200 mm	Frame	v	M_Floor Wood Frame	v	Fixed Y		✓
Vood - Stud Layer	45 mm	Batten	~	M_Floor Batten	v	Fixed Y		✓
/ood Sheathing, Chipboar	18 mm	Sheathing	v	None	V	Fixed Y		
	/ood - Flooring /ood - Sheathing - plywoc /ood - Stud Layer /ood - Stud Layer	/ood - Flooring 35 mm /ood - Sheathing - plywoc 18 mm /ood - Stud Layer 200 mm	Material Thickness Framing Layer /ood - Flooring 35 mm Flooring /ood - Sheathing - plywoot 18 mm Sheathing /ood - Stud Layer 200 mm Frame /ood - Stud Layer 45 mm Batten	/ood - Flooring 35 mm Flooring × /ood - Sheathing - plywoc 18 mm Sheathing × /ood - Stud Layer 200 mm Frame × /ood - Stud Layer 45 mm Batten ×	Material Thickness Framing Layer Framing Configuration Vood - Flooring 35 mm Flooring M_Floor Flooring Vood - Sheathing - plywoc 18 mm Sheathing None Vood - Stud Layer 200 mm Frame M_Floor Wood Frame Vood - Stud Layer 45 mm Batten M_Floor Batten	Material Thickness Framing Layer Framing Configuration /ood - Flooring 35 mm Flooring v M_Floor Flooring v /ood - Sheathing - plywoc 18 mm Sheathing v None v /ood - Stud Layer 200 mm Frame v M_Floor Wood Frame v /ood - Stud Layer 45 mm Batten v M_Floor Batten v	Material Thickness Framing Layer Framing Configuration Configuration Vood - Flooring 35 mm Flooring M_Floor Flooring Fixed Vood - Sheathing - plywoo 18 mm Sheathing None Fixed Vood - Stud Layer 200 mm Frame M_Floor Wood Frame Fixed Vood - Stud Layer 45 mm Batten M_Floor Batten Fixed	Material Thickness Framing Layer Framing Configuration Configuration Framing Layer Vood - Flooring 35 mm Flooring M_Floor Flooring Fixed Fixed Vood - Sheathing - plywoc 18 mm Sheathing None Fixed Vood - Stud Layer 200 mm Frame M_Floor Wood Frame Fixed Vood - Stud Layer 45 mm Batten M_Floor Batten Fixed Vood - Vood Frame Fixed Vood - Vood Frame Fixed Vood - Vood Frame Vood - Vood Frame Fixed Fixed Vood - Vood Frame Fixed Fixed Vood - Vood Frame Fixed Fixed Fixed Fixed Fixed Fixed Fixed Fixed Fixed </td

Framing Layer

Ту То	iamily: Floor Type: Floor 200+18SH+35FI-45B-18SH Total thickness: 315 ayers									
Lay	yers			EXTERIOR S	IDE	_				
	Function	Material	Thickness	Framing Layer		Framing Configuration		Configur	ation	Frame
0	Finish2	Wood - Flooring	35 mm	Flooring	×	M_Floor Flooring	Ý	Fixed	~	
1	Finish1	Wood - Sheathing - plywoo	18 mm	Sheathing	¥	None	V	Fixed	~	
2	Structure	Wood - Stud Layer	200 mm	Frame	¥	M_Floor Wood Frame	Ŷ	Fixed	×	✓
3	Finish1	Wood - Stud Layer	45 mm	Batten	¥	M_Floor Batten	¥	Fixed	~	✓
4	Finish2	Wood Sheathing, Chipboar	18 mm	Sheathing	¥	None	V	Fixed	×	
<										1

Select which framing layer has to be created.

Possible options: Frame, Secondary Frame, Flooring, Battens, Paneling, and two Sheathing layers.

Framing Configuration



	Function	Material	Thickness	Framing Layer		Framing Configuration		Configura	ation	Frame
)	Finish2	Wood - Flooring	35 mm	Flooring	~	M_Floor Flooring	~	Fixed	~	
1	Finish1	Wood - Sheathing - plywoo	18 mm	Sheathing	~	None	V	Fixed	~	
2	Structure	Wood - Stud Layer	200 mm	Frame	~	M_Floor Wood Frame	~	Fixed	~	✓
3	Finish1	Wood - Stud Layer	45 mm	Batten	~	M_Floor Batten	~	Fixed	~	✓
4	Finish2	Wood Sheathing, Chipboar	18 mm	Sheathing	~	None	v	Fixed	~	

Framing Configuration – select framing configuration with the definition of all framing parameters. There are default configurations that come with **Floor+**, but you can also create your own.

The list of framing configurations comes from the Framing Configuration dialog:

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Frame Floor Elements Mod	ate Frame te Frame ify Other • Floor+	Split Parts Elements	Create Assembly
Image: Number Floors Image: Framing Configuration			
Frame Floor			
Add Secondary Frame			
Add Battens			
Frame Additional Layers			
Multi-Framing			
or:			
Frame Floor Add/Modify Elements Modify Oth	ne Split	LineLineNumberCreateElementsAssembly	Link Floor Configs Framing Configuration

The list of configurations:

Lo

Sheathing Configuration

Paneling Configuration

Details Configuration

Numbering Configuration

Drawing Configuration

🥂 Floor+. Default Fran	ming Parameter	s			-		×
Material Class: Configuration Type:	Wood Frame	v •					
Configuration Name:	M_Floor Wood	Frame v	Save	Save As Rename	Delete		
Common S	^ Settings	Elements Mark Definitions Configuration Settings	1	Modify Settings Modify Config	Configuration Vi guration Settings	sibility	
Floor Frami	ing	Use for all Vertical Framing Elements (ex Main Type of Joists	cept Openin <u>c</u>	Js) M_WF Joist LMBR 45x150			~
Opening Fr	aming	Width (b) Depth (h,d) Use for all Horizontal Framing Elements	; (except Oper	4.5 15			
End Conne	ction	Main Type of Rim Joists		M_WF Rim-Bridgi LMBR 45x150	ng Joist		*
Edge Joist		Width (b) Depth (h,d)		4.5 15			
Bridging/N	ogging	Define Depth (h,d) by Layer Thickness Floor Frame Panels		✓			
		L			Save	Clo	se

Fixed or Variable Configuration

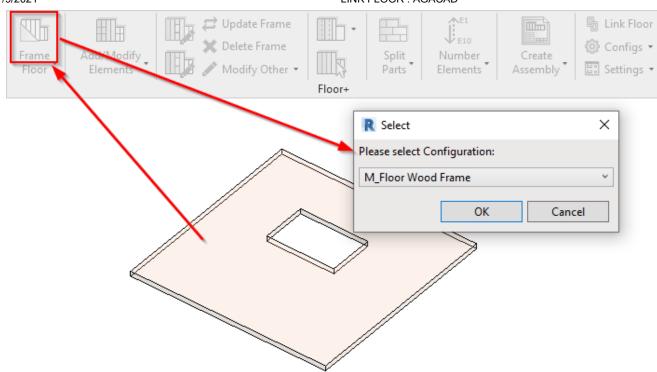
Tyj Tof	amily: Floor Type: Floor 200+18SH+35FI-45B-18SH Total thickness: 315 ayers								
Lay	CI3			EXTERIOR SIDE					
	Function	Material	Thickness	Framing Layer	Framing Configuration		Configuratio	n	Frame
0	Finish2	Wood - Flooring	35 mm	Flooring ~	M_Floor Flooring	×	Fixed	×	
1	Finish1	Wood - Sheathing - plywoo	18 mm	Sheathing Y	None	~	Fixed	×	
2	Structure	Wood - Stud Layer	200 mm	Frame v	M_Floor Wood Frame	~	Fixed	×	✓
3	Finish1	Wood - Stud Layer	45 mm	Batten v	M_Floor Batten	~	Fixed	~	v
4	Finish2	Wood Sheathing, Chipboar	18 mm	Sheathing ×	None	~	Fixed	~	

The selected configuration may be FIXED during the framing process or VARIABLE and selected during framing process.

- Fixed after Frame Floor command (or when adding additional layers), the software will use the configuration that is set in the Framing Configuration column.
- Variable after Frame Floor command (or when adding additional layers), the software will ask you which configuration you'd like to use:

If configuration is variable, then you can select any framing configuration from the list during the framing process:

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Frame

Family:	Floor
Type:	Floor 200+18SH+35FI-45B-18SH
Total thickness:	315
Lavers	

	Function	Material	Thickness	Framing Layer		Framing Configuration		Configura	tion	Fram
)	Finish2	Wood - Flooring	35 mm	Flooring	~	M_Floor Flooring	×	Fixed	~	
	Finish1	Wood - Sheathing - plywoo	18 mm	Sheathing '	~	None	v	Fixed	¥	
2	Structure	Wood - Stud Layer	200 mm	Frame '	~	M_Floor Wood Frame	¥	Fixed	~	-
3	Finish1	Wood - Stud Layer	45 mm	Batten v	~	M_Floor Batten	¥	Fixed	~	-
1	Finish2	Wood Sheathing, Chipboar	18 mm	Sheathing	~	None	V	Fixed	~	

Frame - choose whether layers should be framed during the framing process or later. This is very useful if there are many layers in the floor. For example, there might be two batten layers, but perhaps you only want to frame one of them.

Frame Part

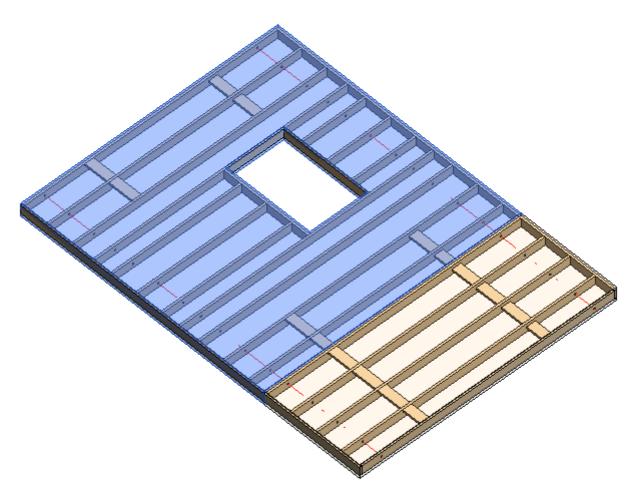
Family:	Floor
Туре:	Floor 200+18SH+35FI-45B-18SH
Total thickness:	315

- 1	a	v	e	rs
		3	-	

-					EXTERI	OR SIDE				
Framing Layer	Framing Configuration		Configuratio	n	Frame	Frame Part	Split Parts	Split by	Sheathing/Paneling Configuration	Exclude Part
Flooring	 M_Floor Flooring 	Ý	Fixed	~		✓	-		None	
Sheathing	 None 	V	Fixed	~			-		Floor Frame - 1 Top & 1 Bottom \vee	
Frame	 M_Floor Wood Frame 	Ŷ	Variable	~	✓			✓	None	✓
Batten	 M_Floor Batten 	Ŷ	Fixed	~	~			✓	None	✓
Sheathing	 None 	\vee	Fixed	~			-		Floor Frame - 1 Top & 1 Bottom \vee	

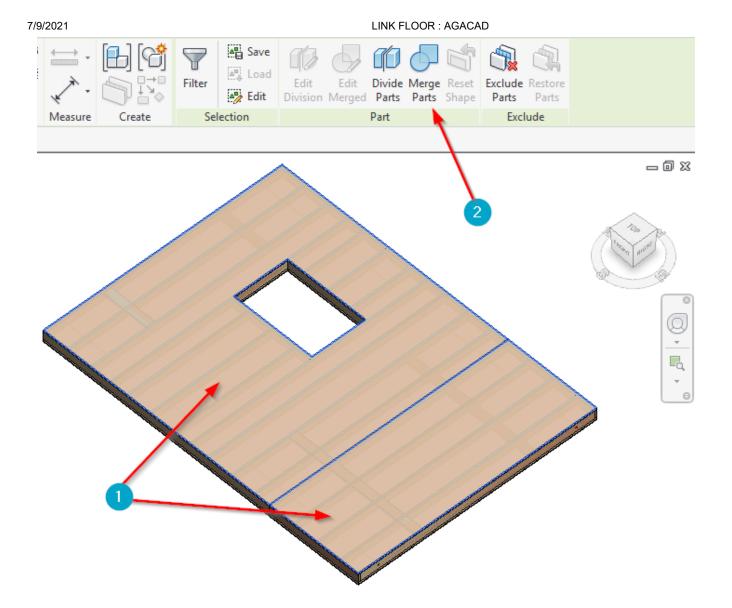
Frame Part – frames separate parts, not the whole floor layer.

When framing a prefabricated floor panel in Revit, the **Frame Part** function is useful when you have parts of the floor that do not belong to the prefabricated panel, e.g., flooring that will be built in place. Here's a workflow showing how you can frame the parts.



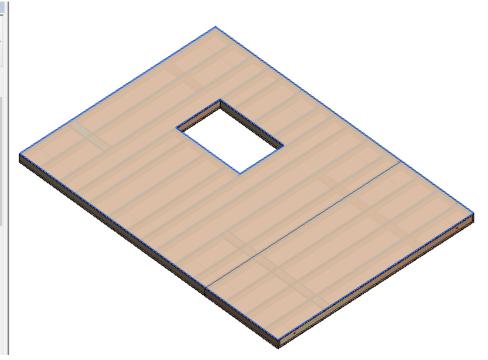
In the above picture, there are two floor panels framed and the flooring needs to be continuous.

1. Turn on Parts Visibility in Revit's View Properties. Then select and merge the parts:



You can also write a framing configuration name for that part in the Framing Configuration parameter:

Properties	>
R	
Parts (1)	🗸 🖓 Edit Type
Constraints	\$ /
Base Level	Level 1
Construction	\$
Link to Connected Wall	✓
Build in Place	✓
Framing Configuration	M_Floor Flooring
Part Detail Configuration	
Dimensions	\$
Volume	1.549 m³
Excluded	
Shape is modified	
Identity Data	\$
Image	
Comments	
Mark	
Framing Member	
Framing Member Type	
Framing	
Framing Member Descri	
FM SortMark	
Framing Layer	



2. In the Link Floor dialog, tick Frame Parts for that layer:

Family:

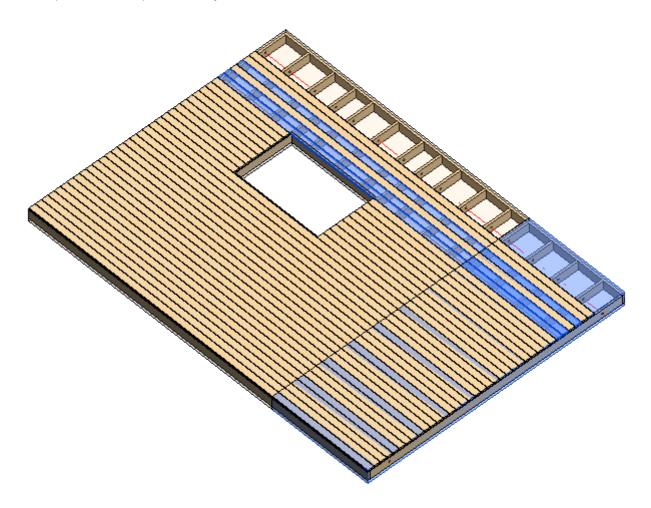
Floor

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otal thickness:	31	5									
ayers					E	XTERIO	OR SIDE				
Framing Layer		Framing Configuration		Configuration	F	rame	Frame Part	Split Parts	Split by	Sheathing/Paneling Configuration	Exclude Part
Flooring	¥	M_Floor Flooring	~	Fixed	~		✓	~		None	
Sheathing	×	None	\vee	Fixed	~			-		Floor Frame - 1 Top & 1 Bottom 🛛 👻	
Frame	¥	M_Floor Wood Frame	~	Variable	~	✓			✓	None	✓
Batten	¥	M_Floor Batten	~	Fixed	~	✓			✓	None	 ✓
Sheathing	¥	None	\vee	Fixed	~			√		Floor Frame - 1 Top & 1 Bottom \vee	
<		6									

3. Going back to the original view, select the part and use Add Flooring.

As a result, you'll have split floor panels (with the main frame, battens, and so on) and a separate flooring layer that is not split or can be split differently:

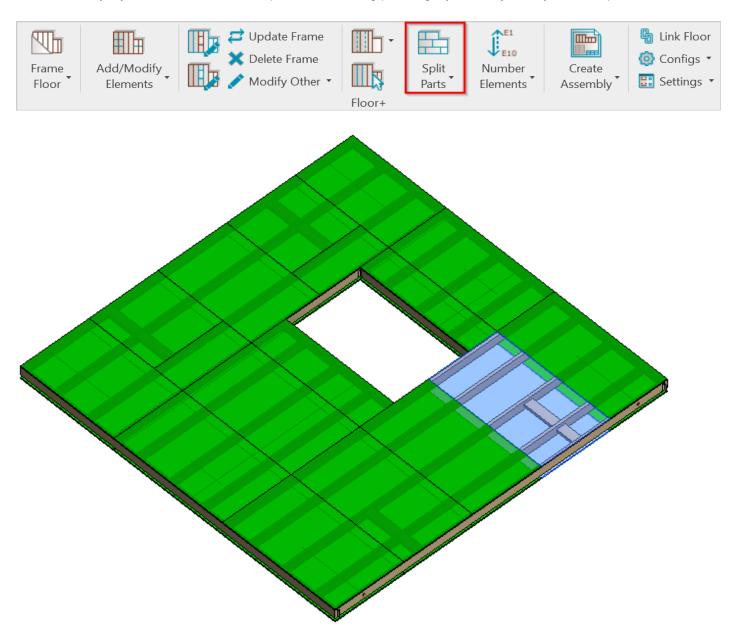


Split Parts

Family: Type: Total thickness:	Flo Flo 31	or 200+18SH+35FI-45B-18SH								
Layers					EXTER	RIOR SIDE		_		
Framing Layer		Framing Configuration		Configuration	Fram	e Frame Part	Split Parts	Split by	Sheathing/Paneling Configuration	Exclude Parts
Flooring	×	M_Floor Flooring	¥	Fixed ~		~	-		None V	
Sheathing	¥	None	~	Fixed Y			√		Floor Frame - 1 Top & 1 Bottom \vee	
Frame	¥	M_Floor Wood Frame	¥	Variable Y	-			✓	None	✓
Batten	¥	M_Floor Batten	~	Fixed ~	~			✓	None	✓
Sheathing	¥	None	v	Fixed Y			v		Floor Frame - 1 Top & 1 Bottom 🗡	
<										>

Split Parts – select if parts need to be split after using **Split Parts** function or should be split later. This is very useful if there are many layers in the floor, for example, two sheathing/paneling layers and you only want to split one.

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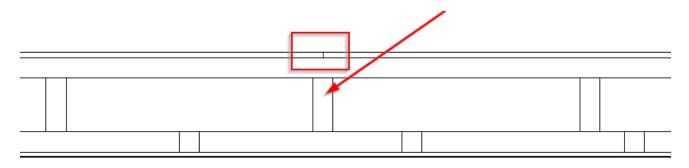
Split by

F1----

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Family:	FIG	oor									
Туре:	Flo	oor 200+18SH+35FI-45B-18SH									
Total thickness:	31	5									
ayers											
						EXTERI	OR SIDE				
Framing Layer		Framing Configuration		Configurat	ion	Frame	Frame Part	Split Parts	Split by	Sheathing/Paneling Configuration	Exclude Par
Flooring	Ŷ	M_Floor Flooring	~	Fixed	×		✓	✓		None	
Sheathing	×	None	V	Fixed	~			✓		Floor Frame - 1 Top & 1 Bottom 💙	
Frame	¥	M_Floor Wood Frame	~	Variable	~	✓			✓	None	✓
Batten	×	M_Floor Batten	~	Fixed	~	✓			✓	None	✓
Sheathing	¥	None	V	Fixed	~			✓		Floor Frame - 1 Top & 1 Bottom \vee	
¢											
````											

Split by - select framing layer to be used for splitting sheathing/paneling.

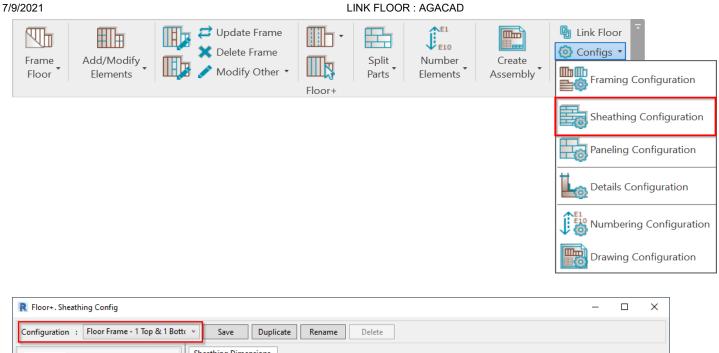


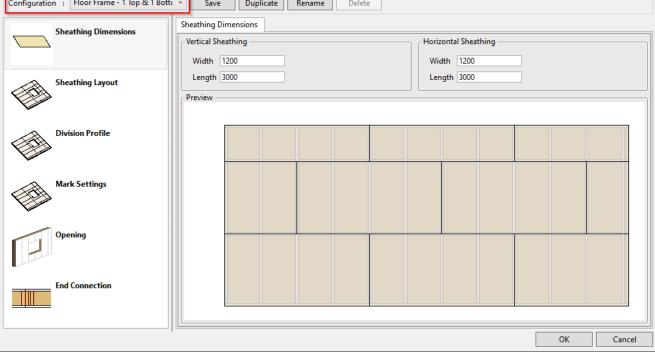
## Sheathing/Paneling Configuration

amily: Type:	Flo	or 200+18SH+35FI-45B-18SH									
otal thickness:	31	5									
ayers					E	XTERI	OR SIDE				
Framing Layer		Framing Configuration		Configuration	on F	rame	Frame Part	Split Parts	Split by	Sheathing/Paneling Configuration	Exclude Par
Flooring	Ŷ	M_Floor Flooring	Ŷ	Fixed	~		✓	✓		None V	
Sheathing	¥	None	V	Fixed	~			✓		Floor Frame - 1 Top & 1 Bottom \vee	
Frame	Y	M_Floor Wood Frame	Ŷ	Variable	~	✓			✓	None	✓
	~	M_Floor Batten	Ŷ	Fixed	~	<b>√</b>			✓	None	✓
Batten								·			

**Sheathing/Paneling Configuration** – select sheathing/paneling configuration with definition of all sheathing/paneling parameters. There are default configurations that come with **Floor+**, but you can also create your own.

The list of sheathing/paneling configurations comes from here:





# **Exclude Parts**

ype: otal thickness:	Flo 31	oor 200+ 18SH+ 35FI-45B-18SH 5								
ayers					EXTE	RIOR SIDE				
Framing Layer		Framing Configuration		Configuration	n Fram	e Frame Part	Split Parts	Split by	Sheathing/Paneling Configuration	Exclude Part
Flooring	¥	M_Floor Flooring	¥	Fixed	× 🗆	✓	~		None V	
Sheathing	¥	None	V	Fixed	× 🗌		✓		Floor Frame - 1 Top & 1 Bottom 🛛 🗸	
Frame	Y	M_Floor Wood Frame	¥	Variable	~ <b>√</b>			✓	None	✓
Batten	Y	M_Floor Batten	¥	Fixed	~ <b>√</b>			✓	None	✓
Sheathing	¥	None	$\vee$	Fixed	× 🗌		<b>v</b>		Floor Frame - 1 Top & 1 Bottom	

**Exclude Parts –** select the parts that need to be excluded from the floor. You can exclude parts from the project so that they will not be included in material takeoffs, schedules, and other lists or calculations.

Properties		;
R		
Parts (2)	▼ 🔠 Edi	t Type
Constraints		*
Base Level	Level 1	
Construction		*
Link to Connected Wall	<b>v</b>	
Build in Place	<b>v</b>	
Framing Configuration		
Part Detail Configuration		
Dimensions		*
Volume	0.050 m³	
Area	2.494 m²	
Thickness	20.0	
Excluded	✓	
Shape is modified		
Identity Data		*
lmage		
Comments		
Mark		
Framing Member	Framing Sheathing	
Framing Member Type	Sheathing	
Framing Framing Member Descri	Floor	
Framing Member Descri	Sheathing	

