

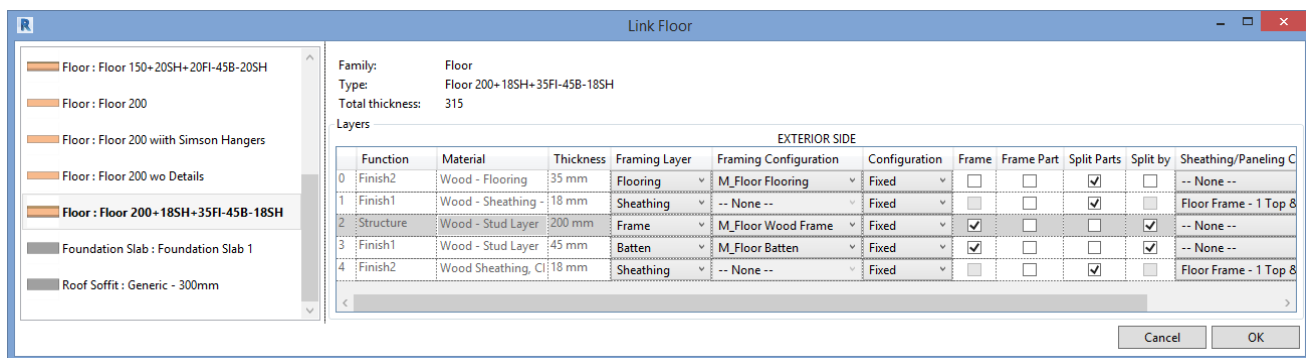
LINK FLOOR

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

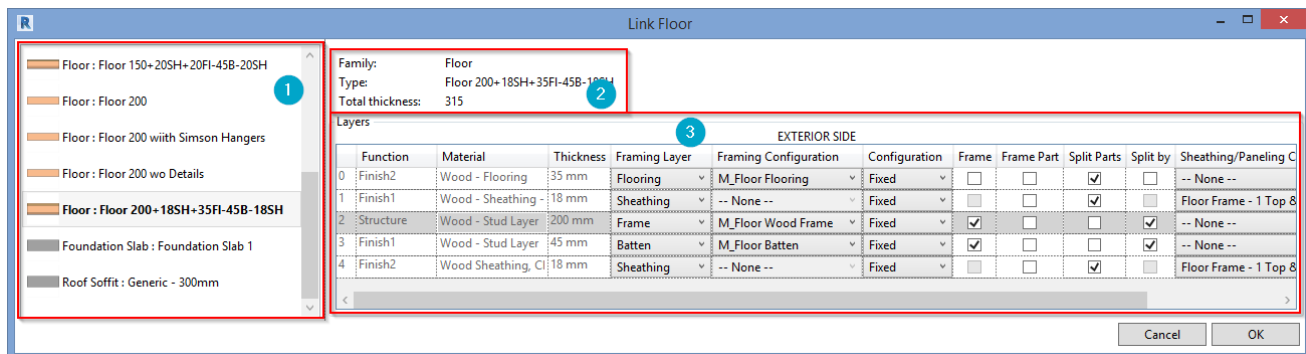
Link Floor



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.



Dialog:



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!

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

Layers

EXTERIOR SIDE							
Function	Material	Thickness	Framing Layer	Framing Configuration	Configuration	Frame	
0	Finish2	Wood - Flooring	35 mm	Flooring	M_Floor Flooring	Fixed	<input type="checkbox"/>
1	Finish1	Wood - Sheathing - plywood	18 mm	Sheathing	-- None --	Fixed	<input type="checkbox"/>
2	Structure	Wood - Stud Layer	200 mm	Frame	M_Floor Wood Frame	Fixed	<input checked="" type="checkbox"/>
3	Finish1	Wood - Stud Layer	45 mm	Batten	M_Floor Batten	Fixed	<input checked="" type="checkbox"/>
4	Finish2	Wood Sheathing, Chipboard	18 mm	Sheathing	-- None --	Fixed	<input type="checkbox"/>

Framing Layer

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

Layers

EXTERIOR SIDE							
Function	Material	Thickness	Framing Layer	Framing Configuration	Configuration	Frame	
0	Finish2	Wood - Flooring	35 mm	Flooring	M_Floor Flooring	Fixed	<input type="checkbox"/>
1	Finish1	Wood - Sheathing - plywood	18 mm	Sheathing	-- None --	Fixed	<input type="checkbox"/>
2	Structure	Wood - Stud Layer	200 mm	Frame	M_Floor Wood Frame	Fixed	<input checked="" type="checkbox"/>
3	Finish1	Wood - Stud Layer	45 mm	Batten	M_Floor Batten	Fixed	<input checked="" type="checkbox"/>
4	Finish2	Wood Sheathing, Chipboard	18 mm	Sheathing	-- None --	Fixed	<input type="checkbox"/>

Select which framing layer has to be created.

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

Framing Configuration

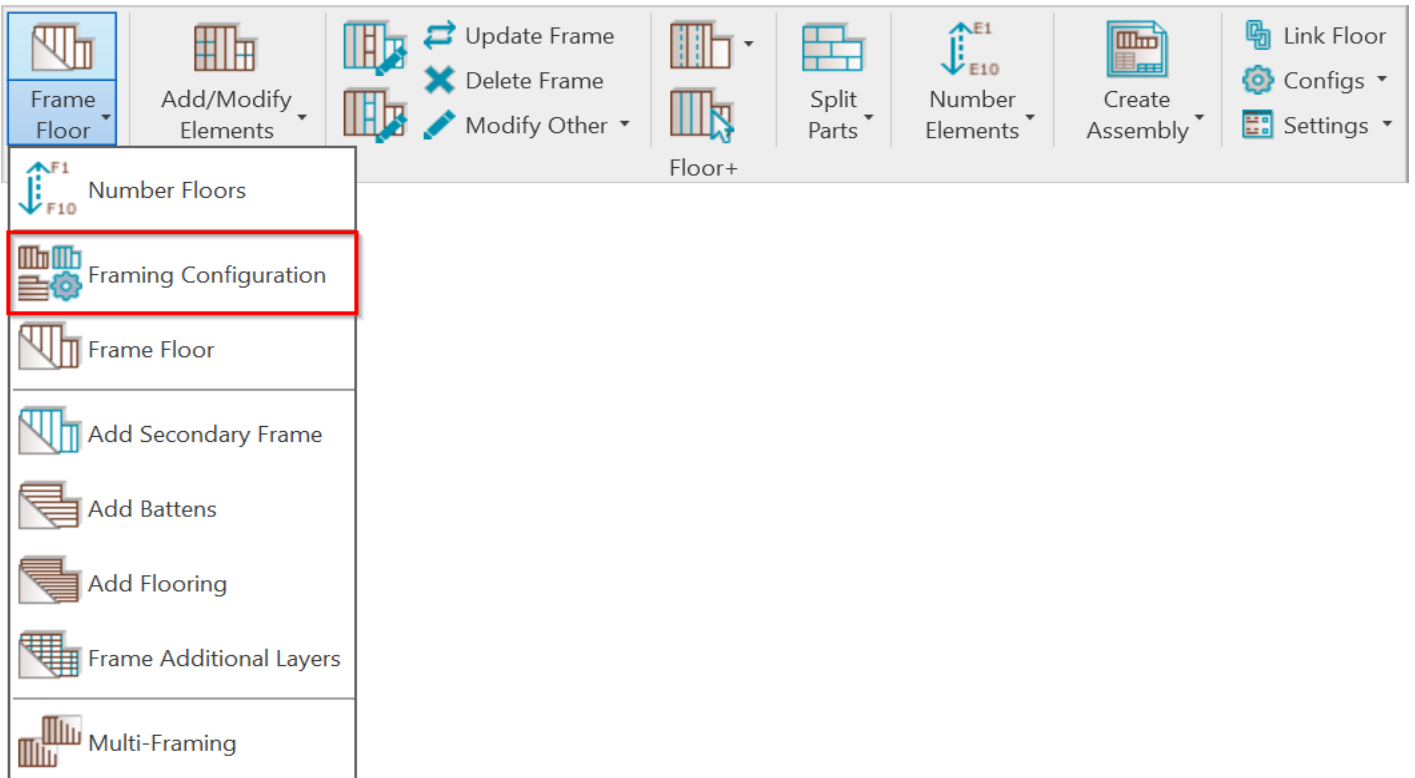
Family: Floor
 Type: Floor 200+ 18SH+ 35FI-45B-18SH
 Total thickness: 315

Layers

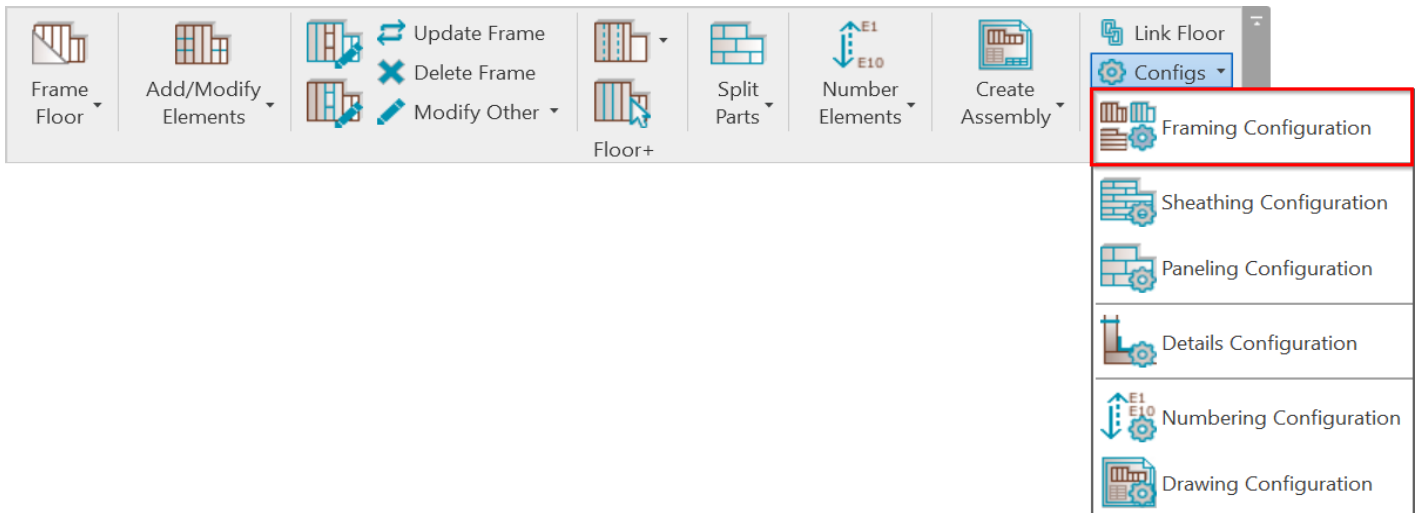
EXTERIOR SIDE							
Function	Material	Thickness	Framing Layer	Framing Configuration	Configuration	Frame	
0	Finish2	Wood - Flooring	35 mm	Flooring	M_Floor Flooring	Fixed	<input type="checkbox"/>
1	Finish1	Wood - Sheathing - plywood	18 mm	Sheathing	-- None --	Fixed	<input type="checkbox"/>
2	Structure	Wood - Stud Layer	200 mm	Frame	M_Floor Wood Frame	Fixed	<input checked="" type="checkbox"/>
3	Finish1	Wood - Stud Layer	45 mm	Batten	M_Floor Batten	Fixed	<input checked="" type="checkbox"/>
4	Finish2	Wood Sheathing, Chipboard	18 mm	Sheathing	-- None --	Fixed	<input type="checkbox"/>

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:



OR:



The list of configurations:

R Floor+ . Default Framing Parameters

Material Class: Wood
 Configuration Type: Frame
 Configuration Name: M_Floor Wood Frame

Save Save As... Rename Delete

Common Settings
 Floor Framing
 Opening Framing
 End Connection
 Edge Joist
 Bridging/Nogging

Elements Mark Definitions
 Configuration Settings
 Modify Settings
 Configuration Visibility
 Modify Configuration Settings

Use for all Vertical Framing Elements (except Openings)

Main Type of Joists: M_WF Joist LMBR 45x150
 Width (b): 4.5
 Depth (h,d): 15

Use for all Horizontal Framing Elements (except Openings)

Main Type of Rim Joists: M_WF Rim-Bridging Joist LMBR 45x150
 Width (b): 4.5
 Depth (h,d): 15

Define Depth (h,d) by Layer Thickness

Floor Frame Panels

Save Close

Fixed or Variable Configuration

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

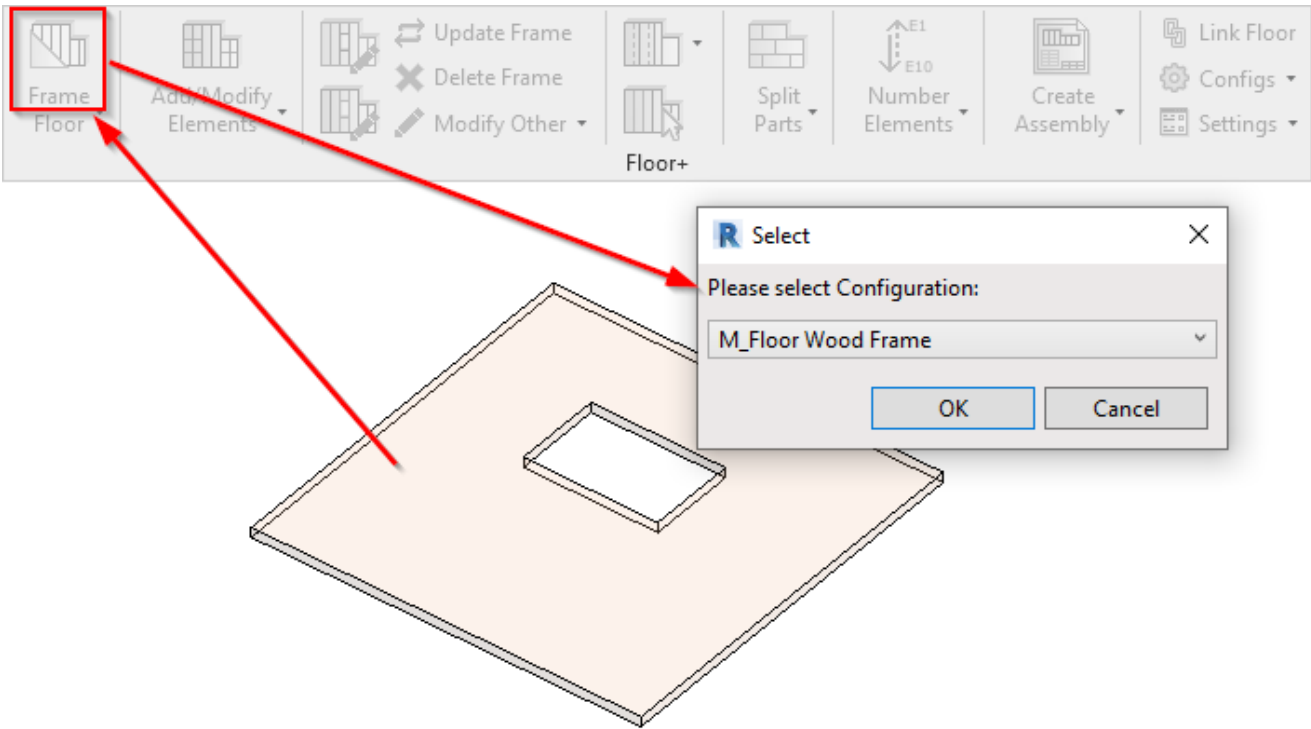
Layers

EXTERIOR SIDE							
	Function	Material	Thickness	Framing Layer	Framing Configuration	Configuration	Frame
0	Finish2	Wood - Flooring	35 mm	Flooring	M_Floor Flooring	Fixed	<input type="checkbox"/>
1	Finish1	Wood - Sheathing - plywoc	18 mm	Sheathing	-- None --	Fixed	<input type="checkbox"/>
2	Structure	Wood - Stud Layer	200 mm	Frame	M_Floor Wood Frame	Fixed	<input checked="" type="checkbox"/>
3	Finish1	Wood - Stud Layer	45 mm	Batten	M_Floor Batten	Fixed	<input checked="" type="checkbox"/>
4	Finish2	Wood Sheathing, Chipboar	18 mm	Sheathing	-- None --	Fixed	<input type="checkbox"/>

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:



Frame

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

Layers

EXTERIOR SIDE							
	Function	Material	Thickness	Framing Layer	Framing Configuration	Configuration	Frame
0	Finish2	Wood - Flooring	35 mm	Flooring	M_Floor Flooring	Fixed	<input type="checkbox"/>
1	Finish1	Wood - Sheathing - plywo	18 mm	Sheathing	-- None --	Fixed	<input type="checkbox"/>
2	Structure	Wood - Stud Layer	200 mm	Frame	M_Floor Wood Frame	Fixed	<input checked="" type="checkbox"/>
3	Finish1	Wood - Stud Layer	45 mm	Batten	M_Floor Batten	Fixed	<input checked="" type="checkbox"/>
4	Finish2	Wood Sheathing, Chipboar	18 mm	Sheathing	-- None --	Fixed	<input type="checkbox"/>

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

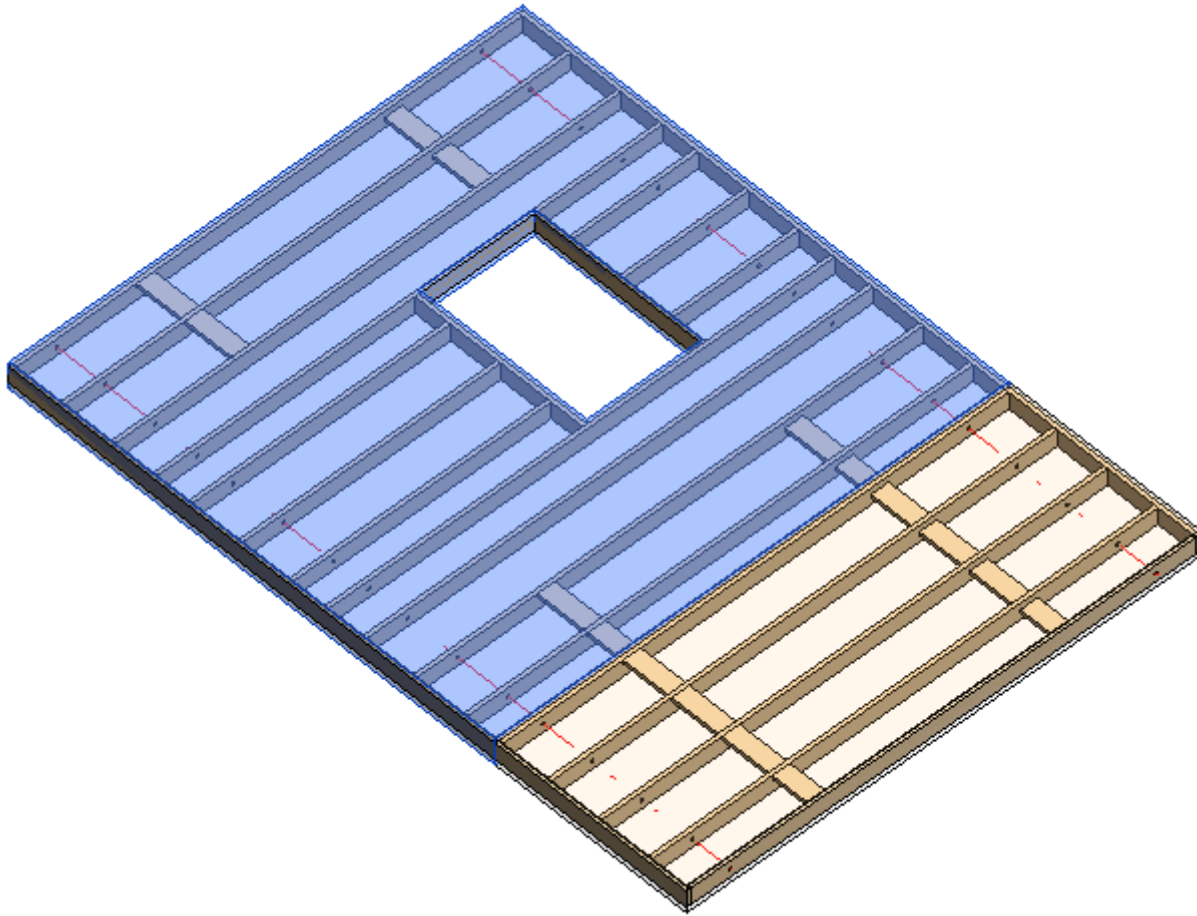
Family: Floor
 Type: Floor 200+18SH+35FI-45B-18SH
 Total thickness: 315

Layers

EXTERIOR SIDE									
Framing Layer	Framing Configuration	Configuration	Frame	Frame Part	Split Parts	Split by	Sheathing/Paneling Configuration	Exclude Parts	
Flooring	M_Floor Flooring	Fixed	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	-- None --	<input type="checkbox"/>	
Sheathing	-- None --	Fixed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Floor Frame - 1 Top & 1 Bottom	<input type="checkbox"/>	
Frame	M_Floor Wood Frame	Variable	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-- None --	<input checked="" type="checkbox"/>	
Batten	M_Floor Batten	Fixed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-- None --	<input checked="" type="checkbox"/>	
Sheathing	-- None --	Fixed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Floor Frame - 1 Top & 1 Bottom	<input type="checkbox"/>	

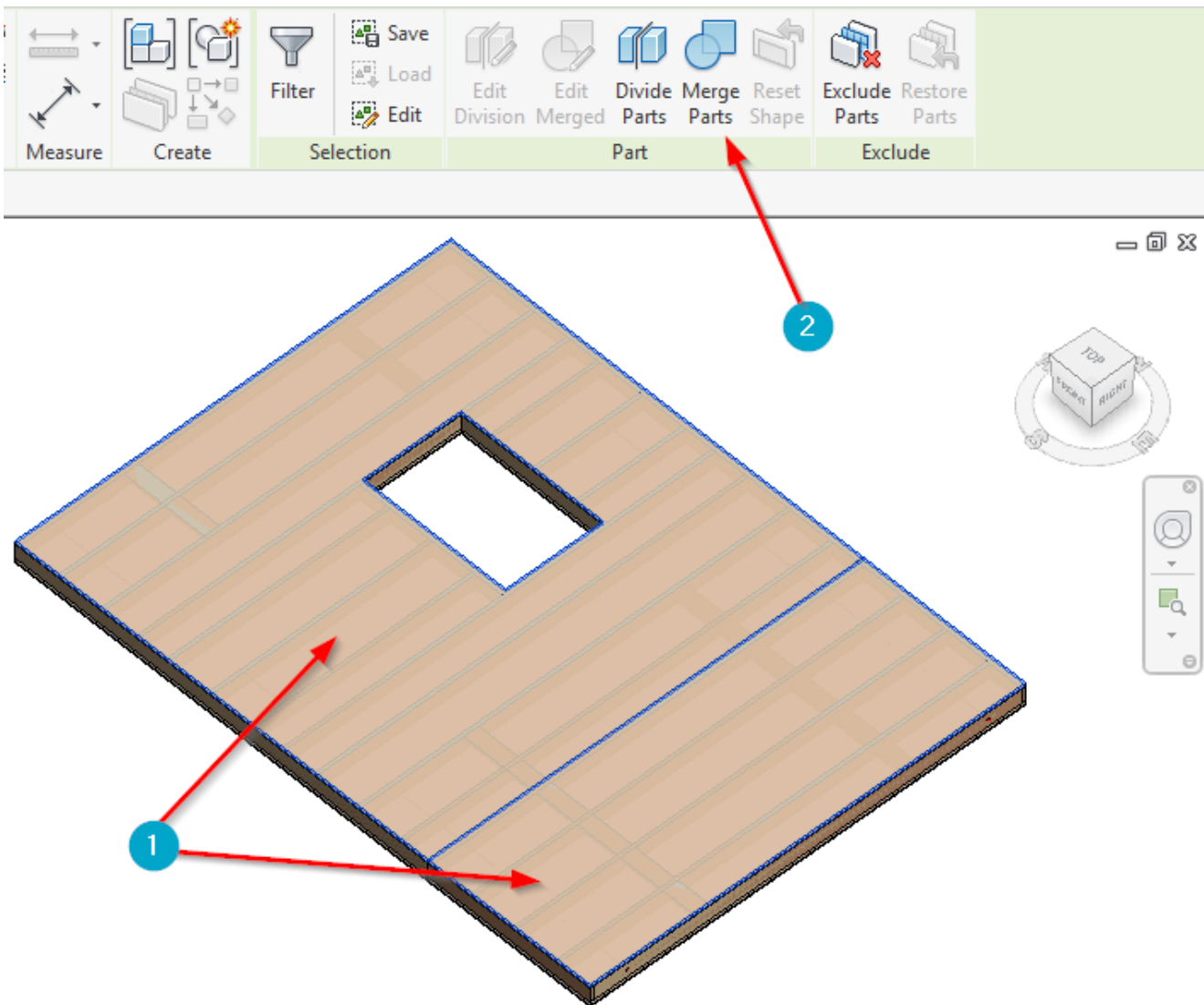
Frame Part – frames separate parts, not the whole floor layer.

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.

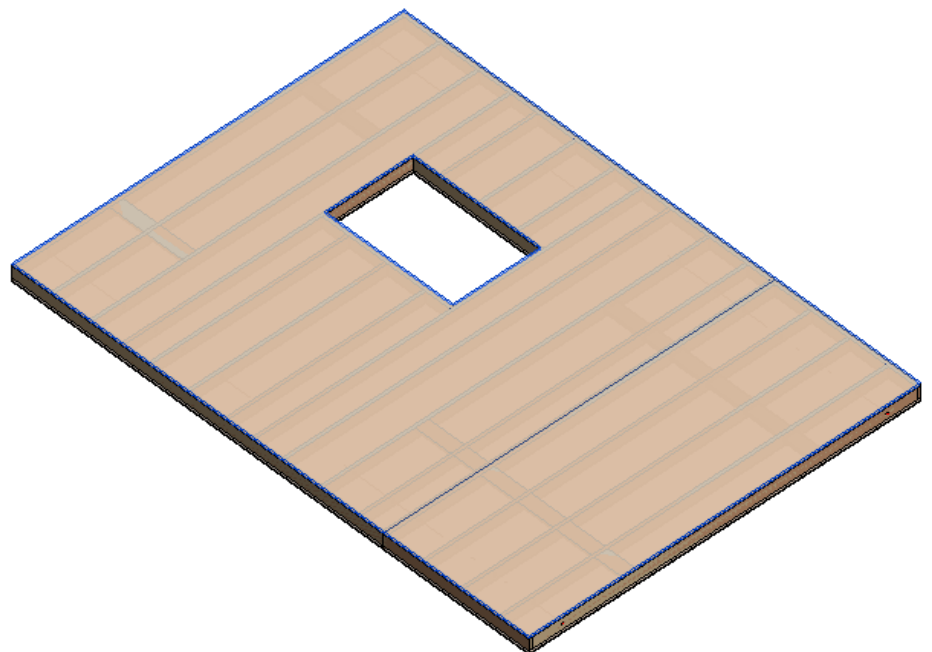
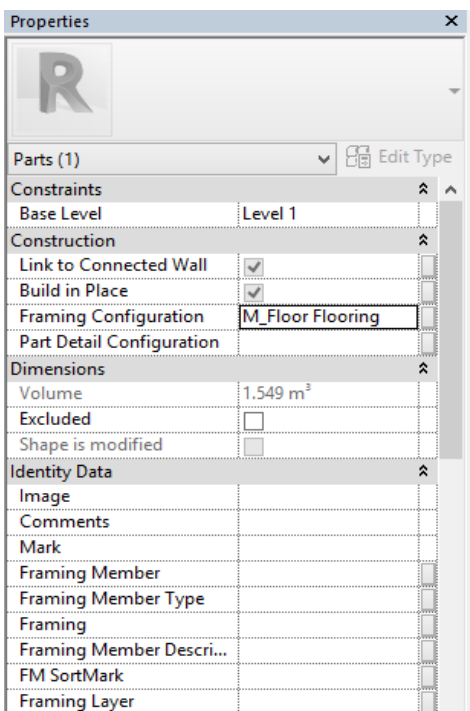


In the above picture, there are two floor panels framed and the flooring needs to be continuous.

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:



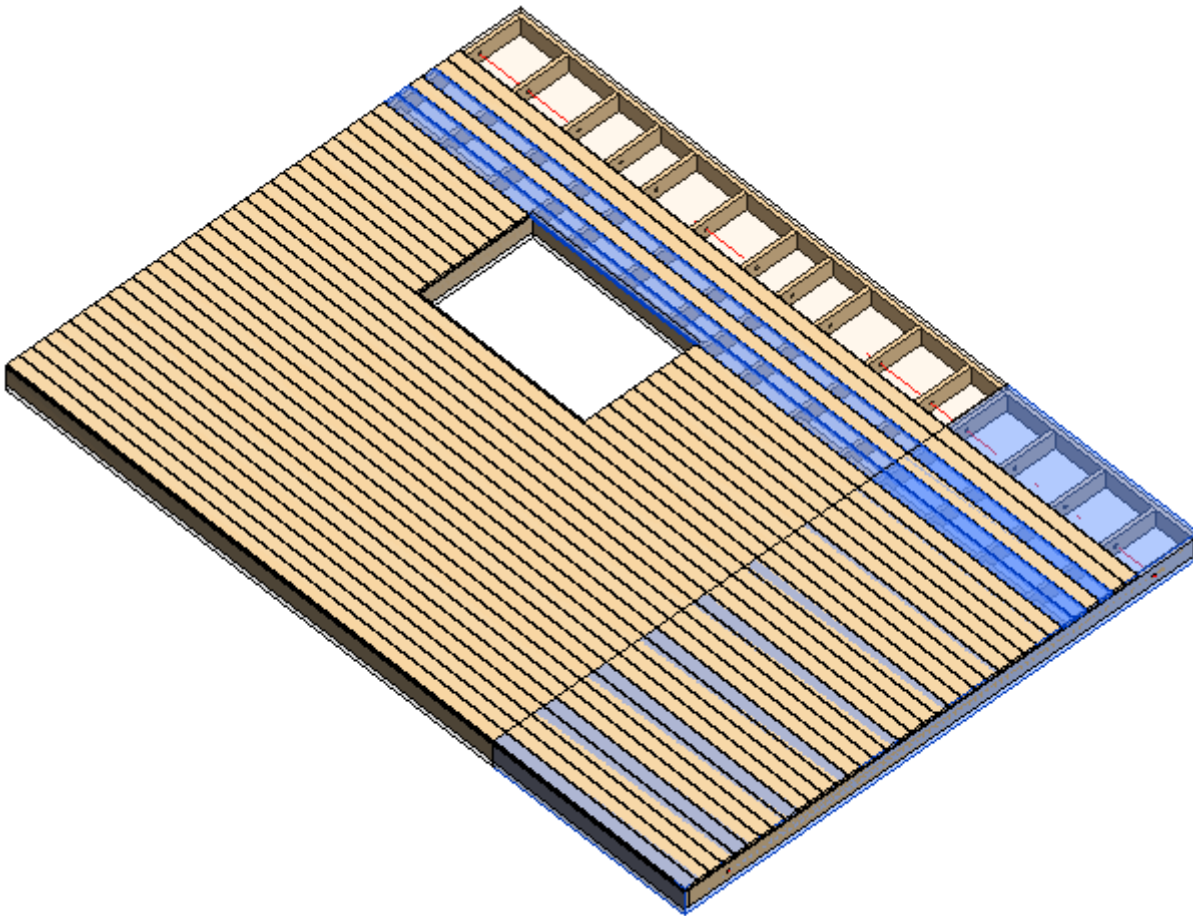
2. In the **Link Floor** dialog, tick **Frame Parts** for that layer:

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

EXTERIOR SIDE									
Framing Layer	Framing Configuration	Configuration	Frame	Frame Part	Split Parts	Split by	Sheathing/Paneling Configuration	Exclude Parts	
Flooring	M_Floor Flooring	Fixed	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	-- None --	<input type="checkbox"/>	
Sheathing	-- None --	Fixed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Floor Frame - 1 Top & 1 Bottom	<input type="checkbox"/>	
Frame	M_Floor Wood Frame	Variable	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-- None --	<input checked="" type="checkbox"/>	
Batten	M_Floor Batten	Fixed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-- None --	<input checked="" type="checkbox"/>	
Sheathing	-- None --	Fixed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Floor Frame - 1 Top & 1 Bottom	<input type="checkbox"/>	

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:

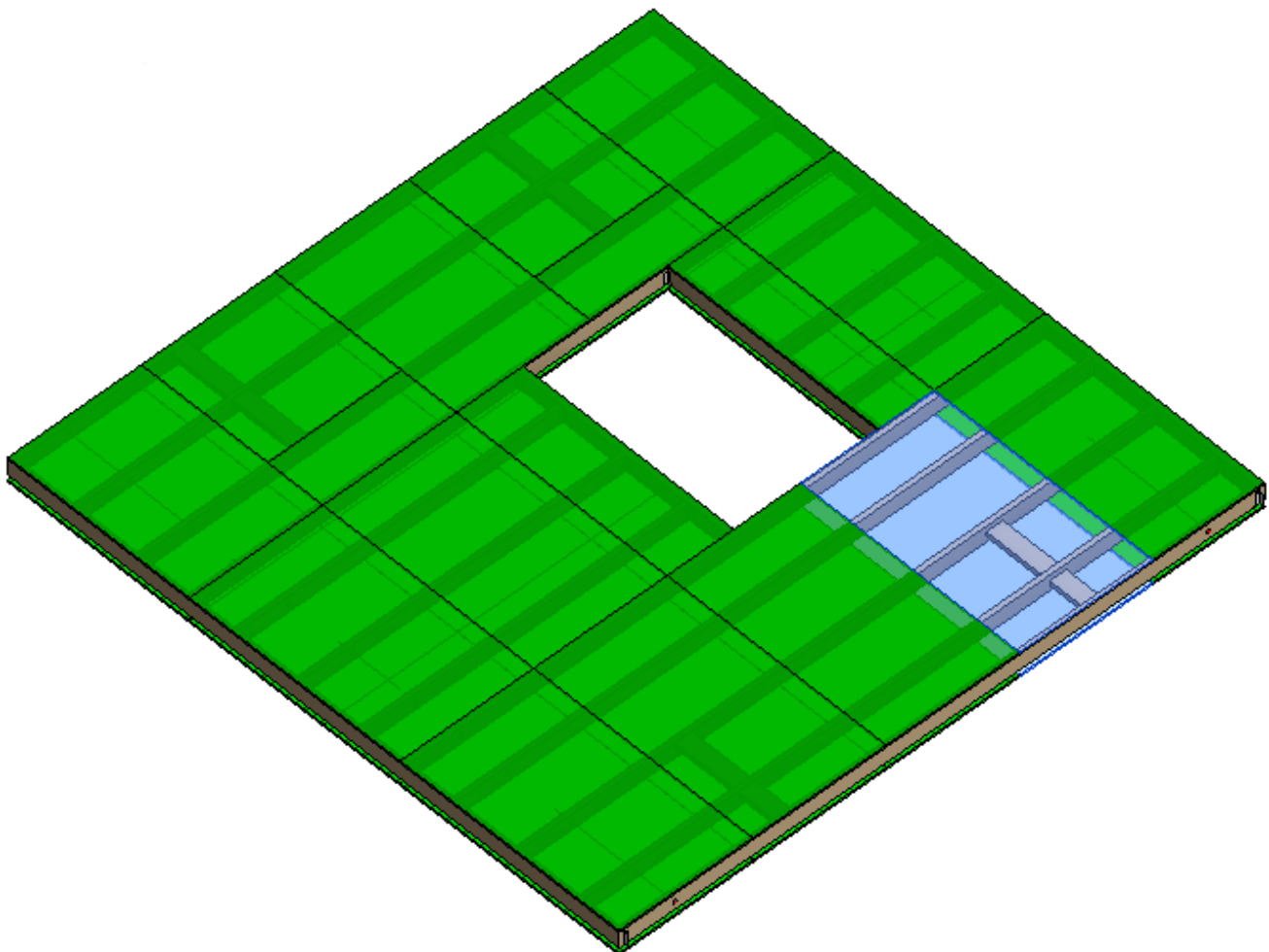


Split Parts

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

EXTERIOR SIDE									
Framing Layer	Framing Configuration	Configuration	Frame	Frame Part	Split Parts	Split by	Sheathing/Paneling Configuration	Exclude Parts	
Flooring	M_Floor Flooring	Fixed	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	-- None --	<input type="checkbox"/>	
Sheathing	-- None --	Fixed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Floor Frame - 1 Top & 1 Bottom	<input type="checkbox"/>	
Frame	M_Floor Wood Frame	Variable	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-- None --	<input checked="" type="checkbox"/>	
Batten	M_Floor Batten	Fixed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-- None --	<input checked="" type="checkbox"/>	
Sheathing	-- None --	Fixed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Floor Frame - 1 Top & 1 Bottom	<input type="checkbox"/>	

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.

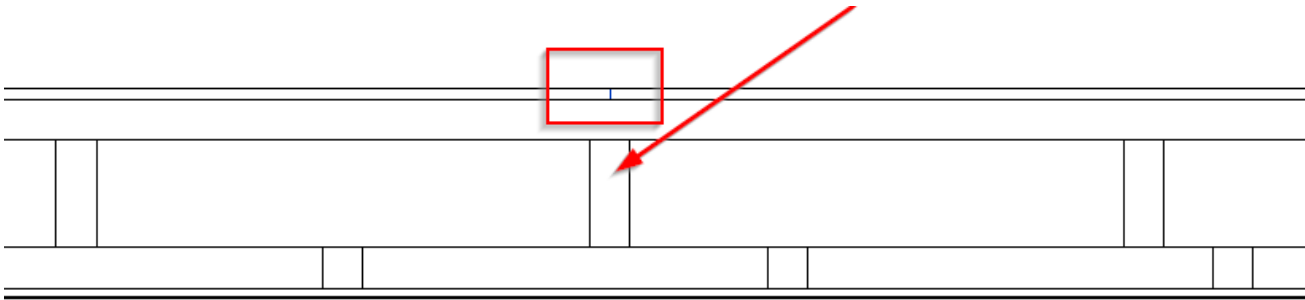


Split by

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

EXTERIOR SIDE									
Framing Layer	Framing Configuration	Configuration	Frame	Frame Part	Split Parts	Split by	Sheathing/Paneling Configuration	Exclude Parts	
Flooring	M_Floor Flooring	Fixed	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	-- None --	<input type="checkbox"/>	
Sheathing	-- None --	Fixed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Floor Frame - 1 Top & 1 Bottom	<input type="checkbox"/>	
Frame	M_Floor Wood Frame	Variable	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-- None --	<input checked="" type="checkbox"/>	
Batten	M_Floor Batten	Fixed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-- None --	<input checked="" type="checkbox"/>	
Sheathing	-- None --	Fixed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Floor Frame - 1 Top & 1 Bottom	<input type="checkbox"/>	

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



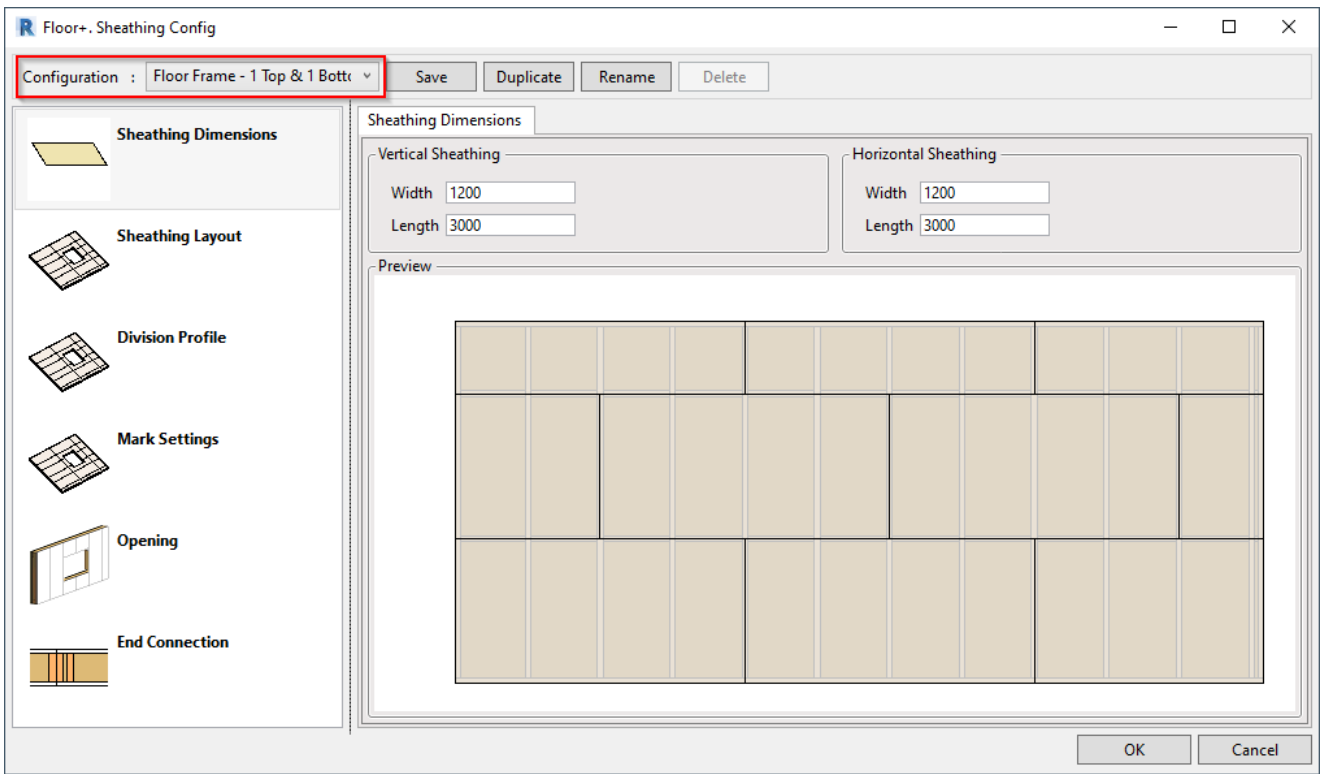
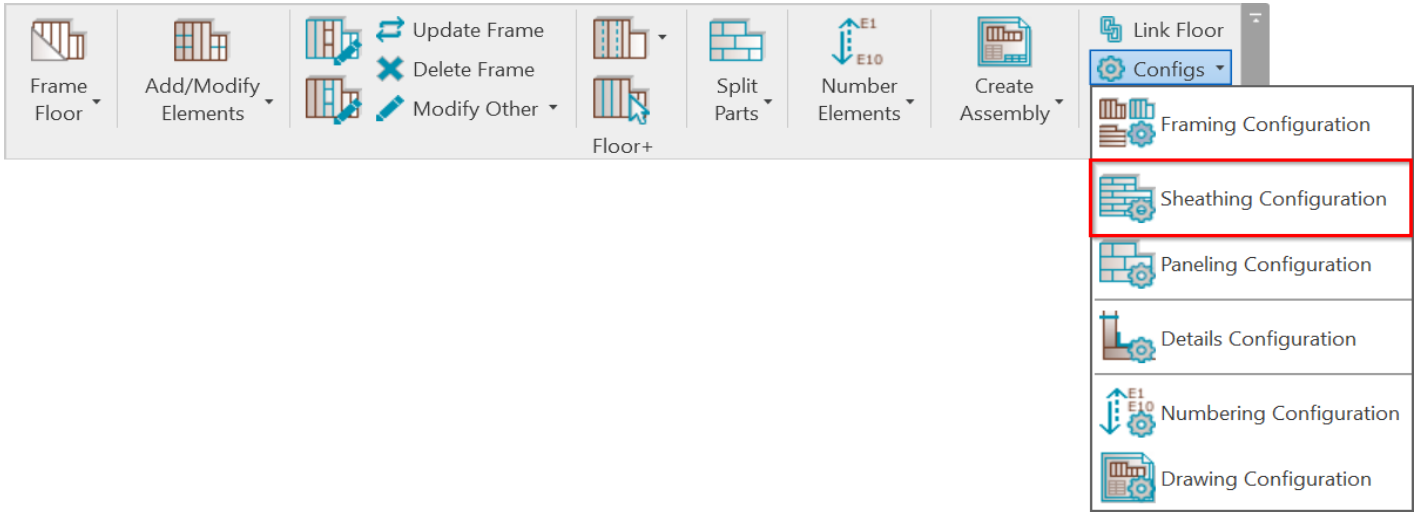
Sheathing/Paneling Configuration

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

EXTERIOR SIDE									
Framing Layer	Framing Configuration	Configuration	Frame	Frame Part	Split Parts	Split by	Sheathing/Paneling Configuration	Exclude Parts	
Flooring	M_Floor Flooring	Fixed	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	-- None --	<input type="checkbox"/>	
Sheathing	-- None --	Fixed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Floor Frame - 1 Top & 1 Bottom	<input type="checkbox"/>	
Frame	M_Floor Wood Frame	Variable	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-- None --	<input checked="" type="checkbox"/>	
Batten	M_Floor Batten	Fixed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-- None --	<input checked="" type="checkbox"/>	
Sheathing	-- None --	Fixed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Floor Frame - 1 Top & 1 Bottom	<input type="checkbox"/>	

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

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

Layers

EXTERIOR SIDE									
Framing Layer	Framing Configuration	Configuration	Frame	Frame Part	Split Parts	Split by	Sheathing/Paneling Configuration	Exclude Parts	
Flooring	M_Floor Flooring	Fixed	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	-- None --	<input type="checkbox"/>	
Sheathing	-- None --	Fixed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Floor Frame - 1 Top & 1 Bottom	<input type="checkbox"/>	
Frame	M_Floor Wood Frame	Variable	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-- None --	<input checked="" type="checkbox"/>	
Batten	M_Floor Batten	Fixed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-- None --	<input checked="" type="checkbox"/>	
Sheathing	-- None --	Fixed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Floor Frame - 1 Top & 1 Bottom	<input type="checkbox"/>	

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)

Constraints

Base Level: Level 1

Construction

Link to Connected Wall:

Build in Place:

Framing Configuration:

Part Detail Configuration:

Dimensions

Volume: 0.050 m³

Area: 2.494 m²

Thickness: 20.0

Excluded:

Shape is modified:

Identity Data

Image:

Comments:

Mark:

Framing Member: Framing Sheathing

Framing Member Type: Sheathing

Framing: Floor

Framing Member Descri...: Sheathing

