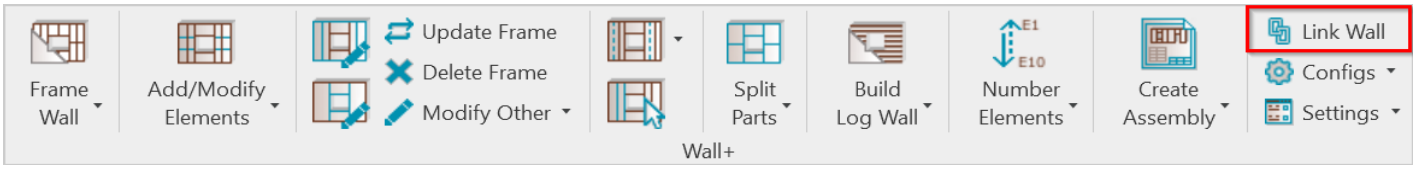
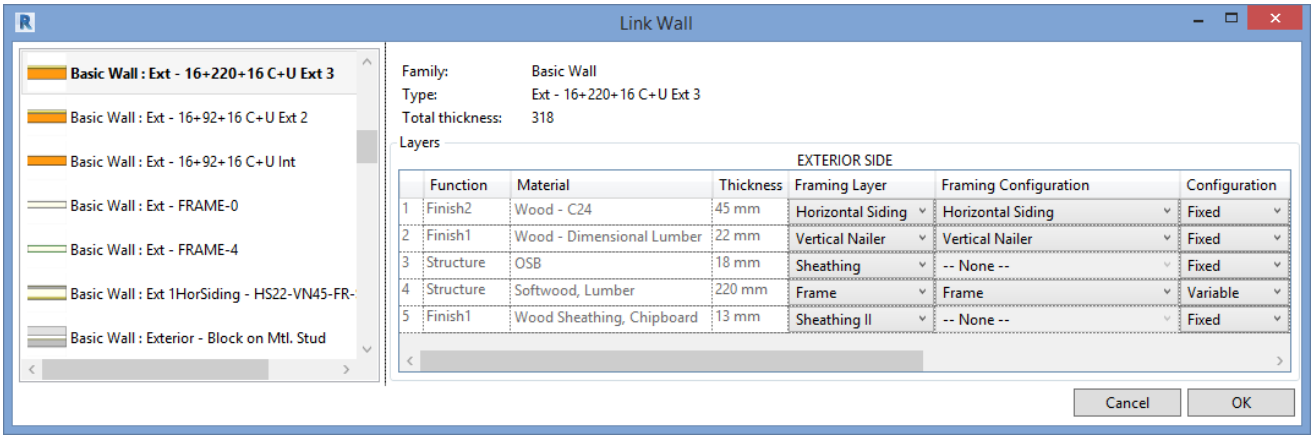
LINK WALL

Modified on: Mon, 26 Oct, 2020 at 9:01 PM

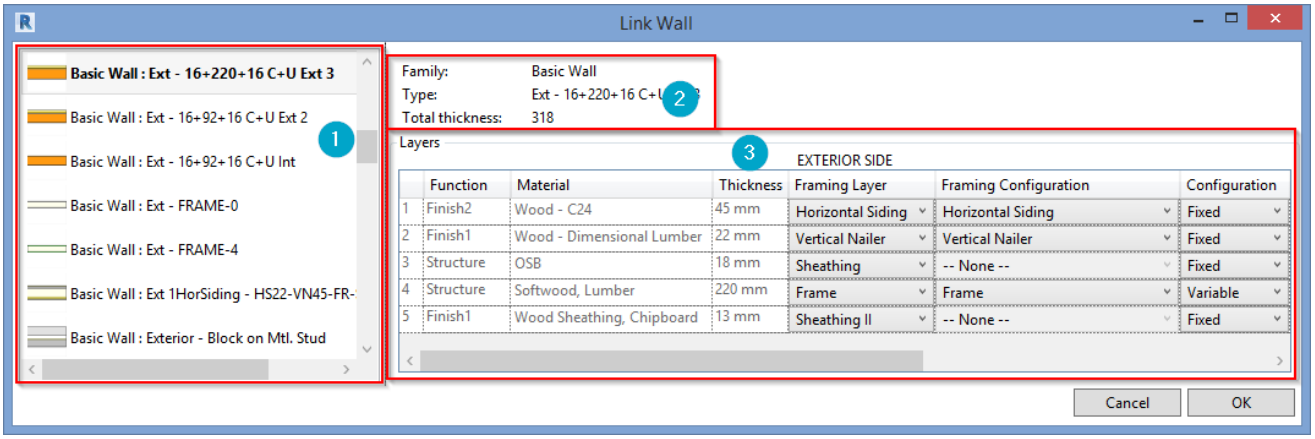
Link Wall



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



Dialog:



In the above dialog, you can see:
1. All wall types from the current project. If you select a wall from the project, it will automatically be selected in this dialog so that you could quickly apply settings.
2. Information of selected type.

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

Information from selected wall type:

Note: Material is mandatory for assigning framing configuration!

Family: Basic Wall
Type: Ext - 16+220+16 C+U Ext 3
Total thickness: 318

Layers

EXTERIOR SIDE

	Function	Material	Thickness	Framing Layer	Framing Configuration	Configuration	Frame
1	Finish2	Wood - C24	45 mm	Horizontal Siding	Horizontal Siding	Fixed	☑
2	Finish1	Wood - Dimensional Lumber	22 mm	Vertical Nailer	Vertical Nailer	Fixed	☑
3	Structure	OSB	18 mm	Sheathing	-- None --	Fixed	☐
4	Structure	Softwood, Lumber	220 mm	Frame	Frame	Variable	☑
5	Finish1	Wood Sheathing, Chipboard	13 mm	Sheathing II	-- None --	Fixed	☐

Framing Layer

Family: Basic Wall
Type: Ext - 16+220+16 C+U Ext 3
Total thickness: 318

Layers

EXTERIOR SIDE

	Function	Material	Thickness	Framing Layer	Framing Configuration	Configuration	Frame
1	Finish2	Wood - C24	45 mm	Horizontal Siding	Horizontal Siding	Fixed	☑
2	Finish1	Wood - Dimensional Lumber	22 mm	Vertical Nailer	Vertical Nailer	Fixed	☑
3	Structure	OSB	18 mm	Sheathing	-- None --	Fixed	☐
4	Structure	Softwood, Lumber	220 mm	Frame	Frame	Variable	☑
5	Finish1	Wood Sheathing, Chipboard	13 mm	Sheathing II	-- None --	Fixed	☐

Select which framing layer has to be created.
Possible options: **Frame**, **Secondary Frame**, **Vertical/Horizontal Nailers**, **Vertical/Horizontal Sidings**, **Wood Logs, Paneling**, and two **Sheathing** layers.

Framing Configuration

Family: Basic Wall
Type: Ext - 16+220+16 C+U Ext 3
Total thickness: 318

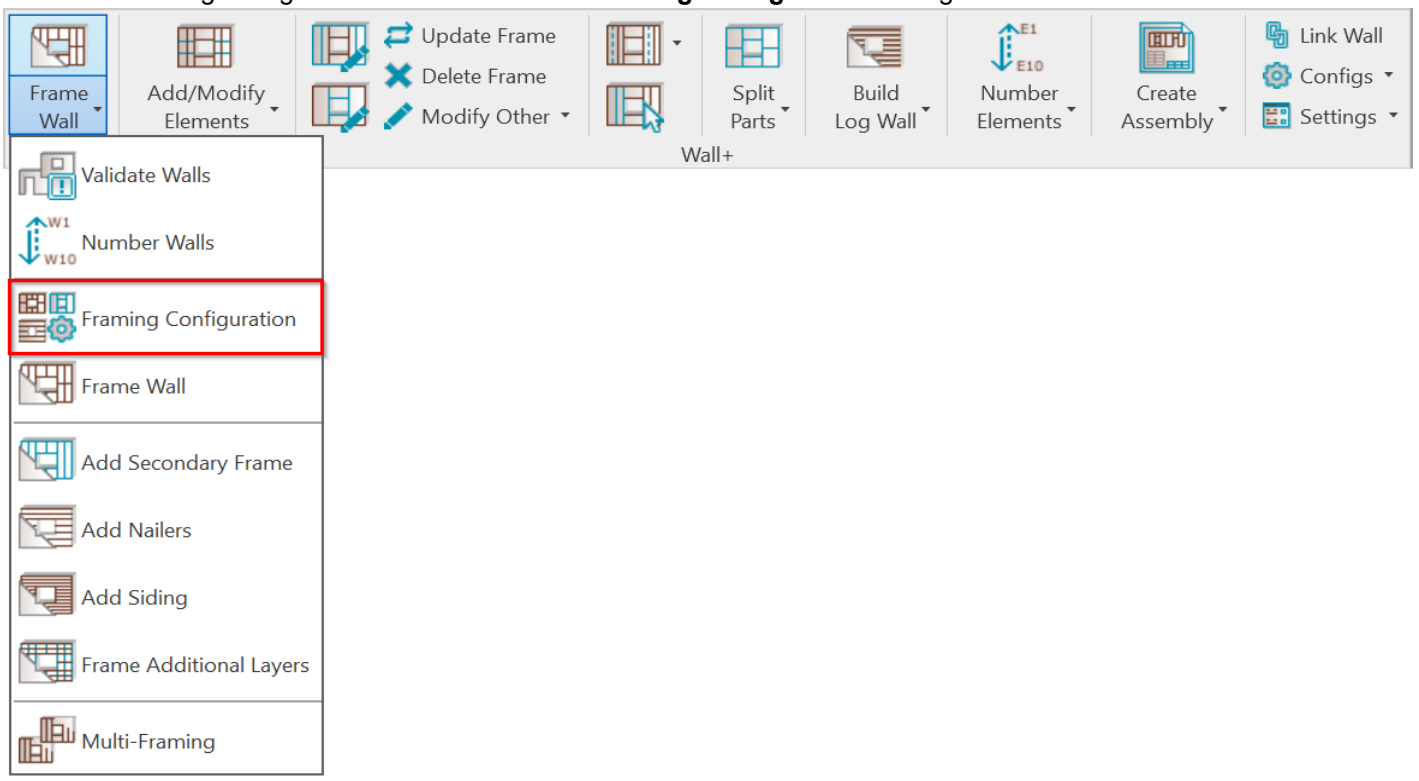
Layers

EXTERIOR SIDE

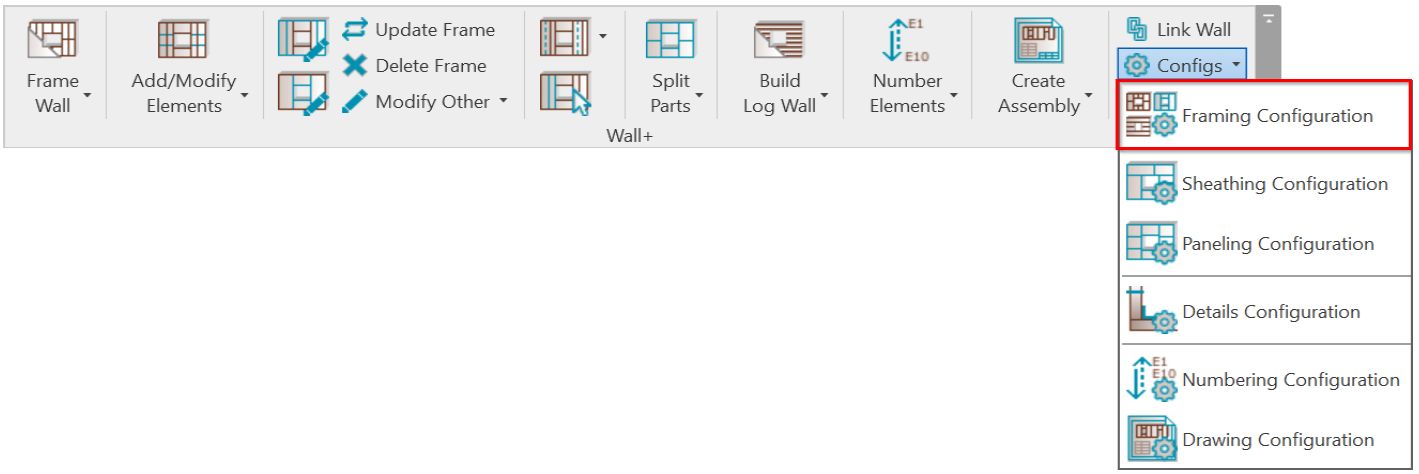
	Function	Material	Thickness	Framing Layer	Framing Configuration	Configuration	Frame
1	Finish2	Wood - C24	45 mm	Horizontal Siding	Horizontal Siding	Fixed	☑
2	Finish1	Wood - Dimensional Lumber	22 mm	Vertical Nailer	Vertical Nailer	Fixed	☑
3	Structure	OSB	18 mm	Sheathing	-- None --	Fixed	☐
4	Structure	Softwood, Lumber	220 mm	Frame	Frame	Variable	☑
5	Finish1	Wood Sheathing, Chipboard	13 mm	Sheathing II	-- None --	Fixed	☐

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

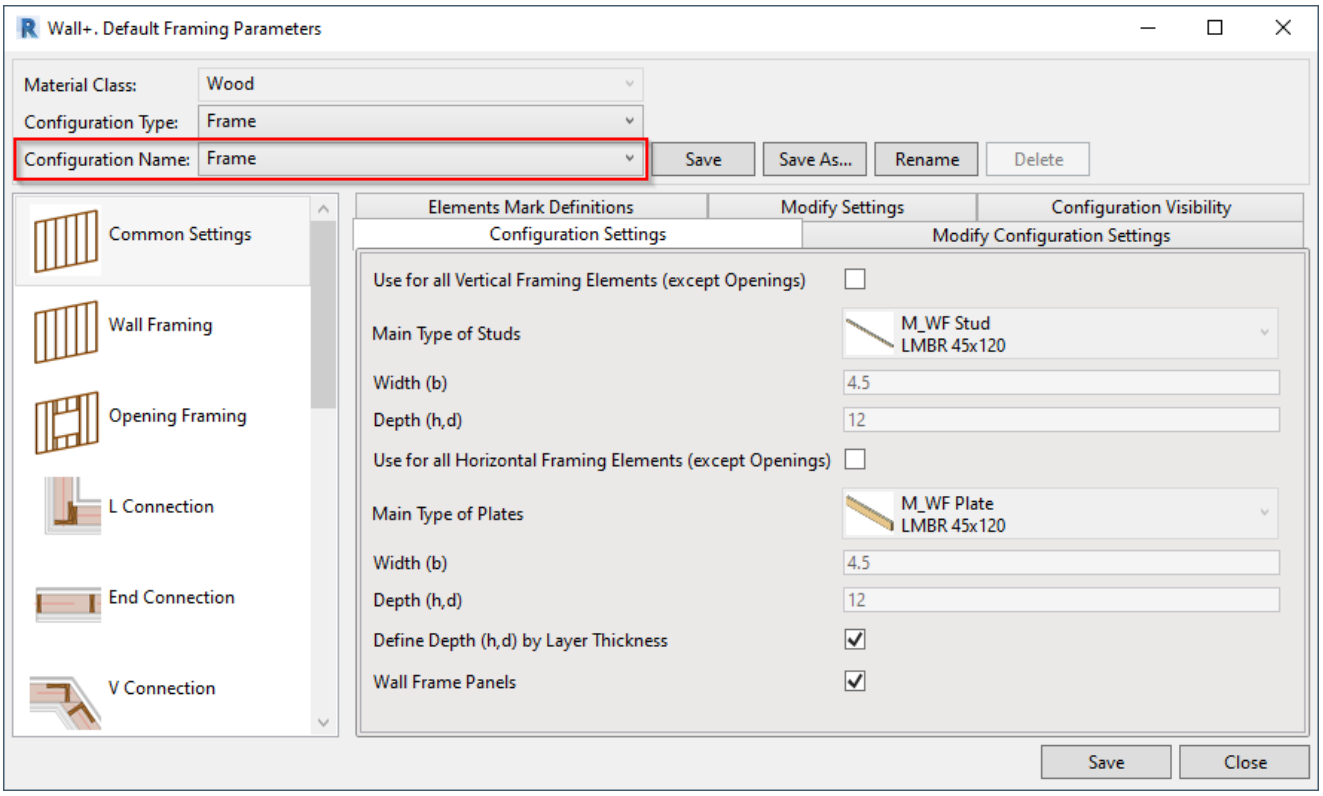
The list of framing configurations comes from the **Framing Configuration** dialog:



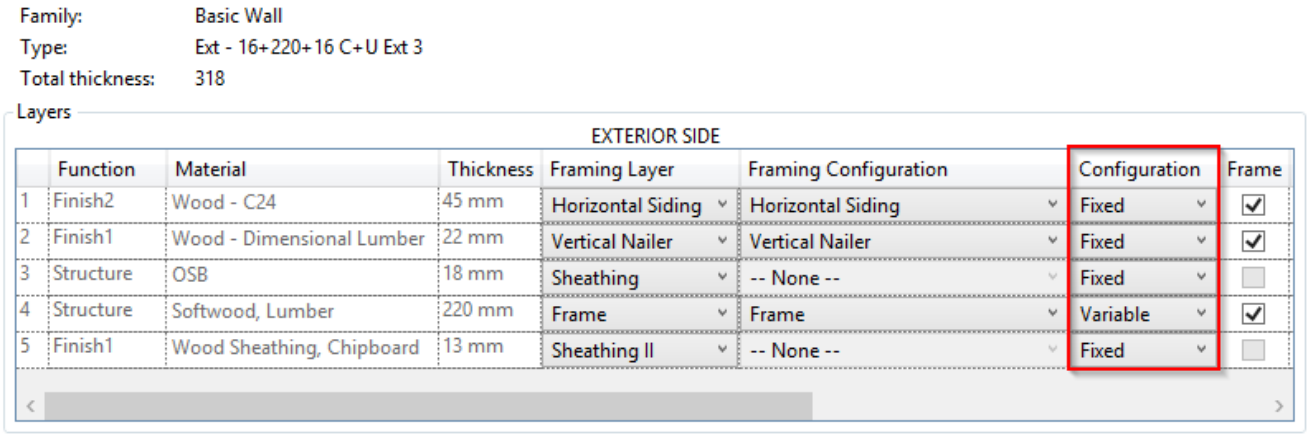
or:



The list of configurations:



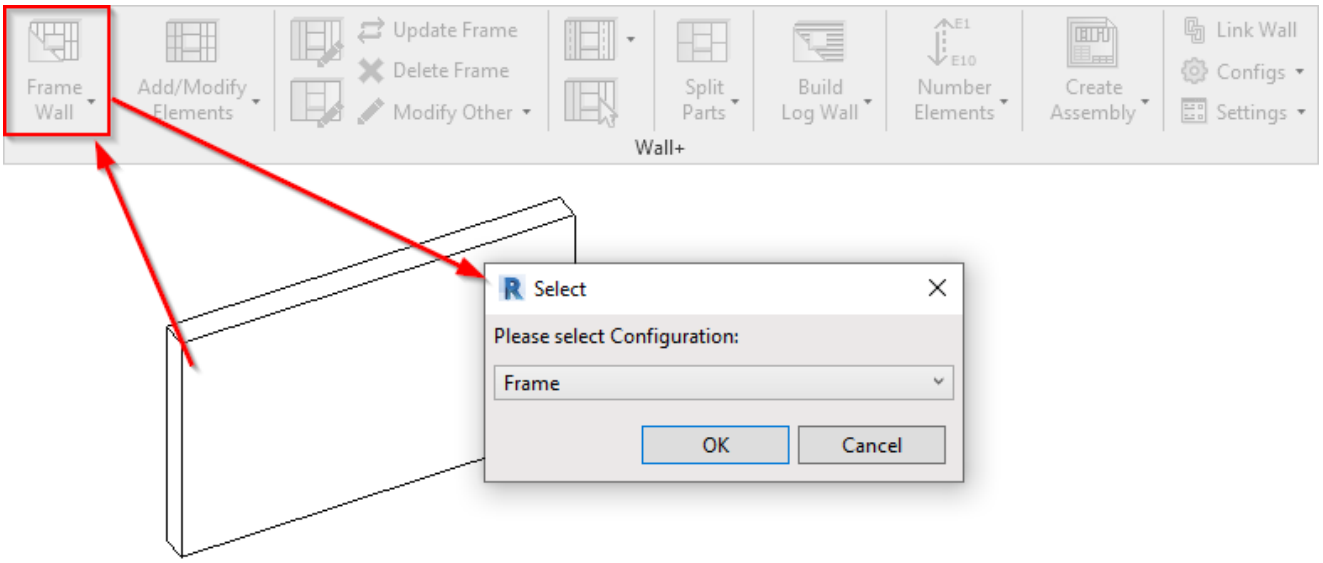
Fixed or Variable Configuration



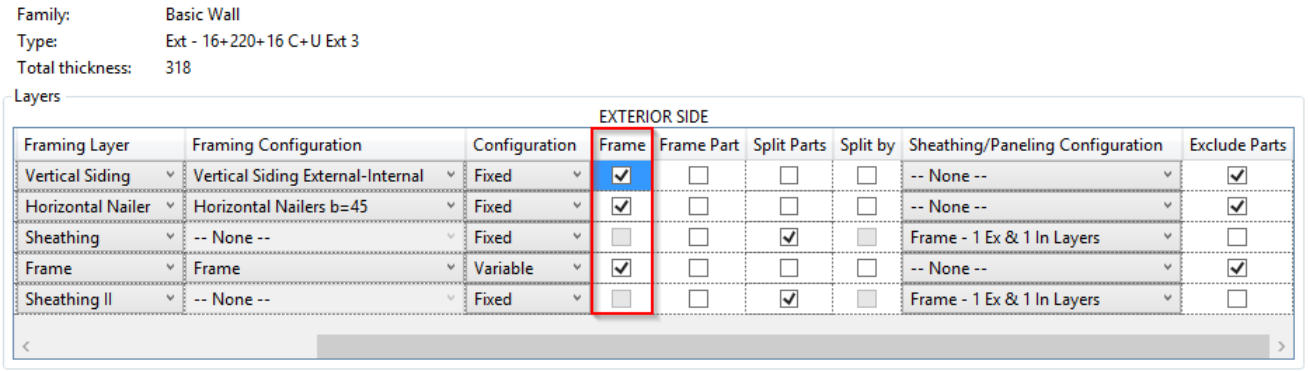
The selected configuration may be FIXED during the framing process or VARIABLE and selected during framing process.

- **Fixed** – after **Frame Wall** command (or when adding additional layers), the software will use the configuration that is set in the **Framing Configuration** column.
- **Variable** – after **Frame Wall** 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:

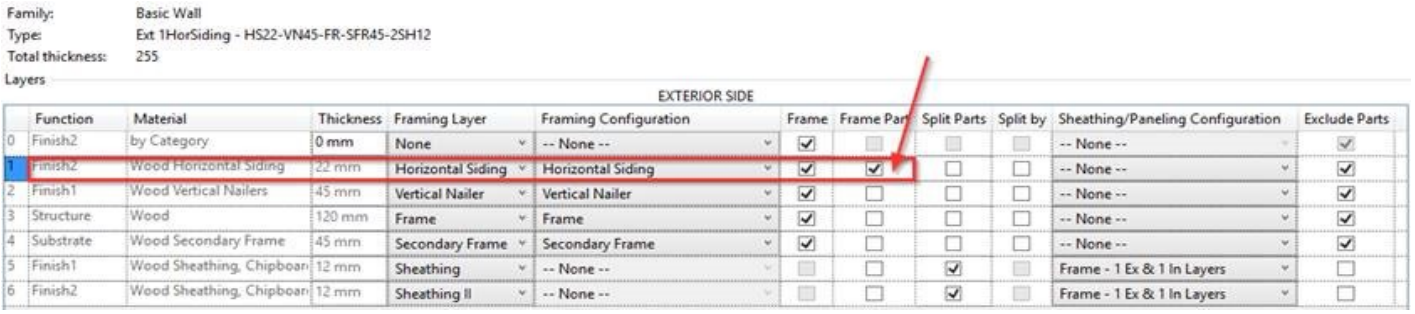


Frame



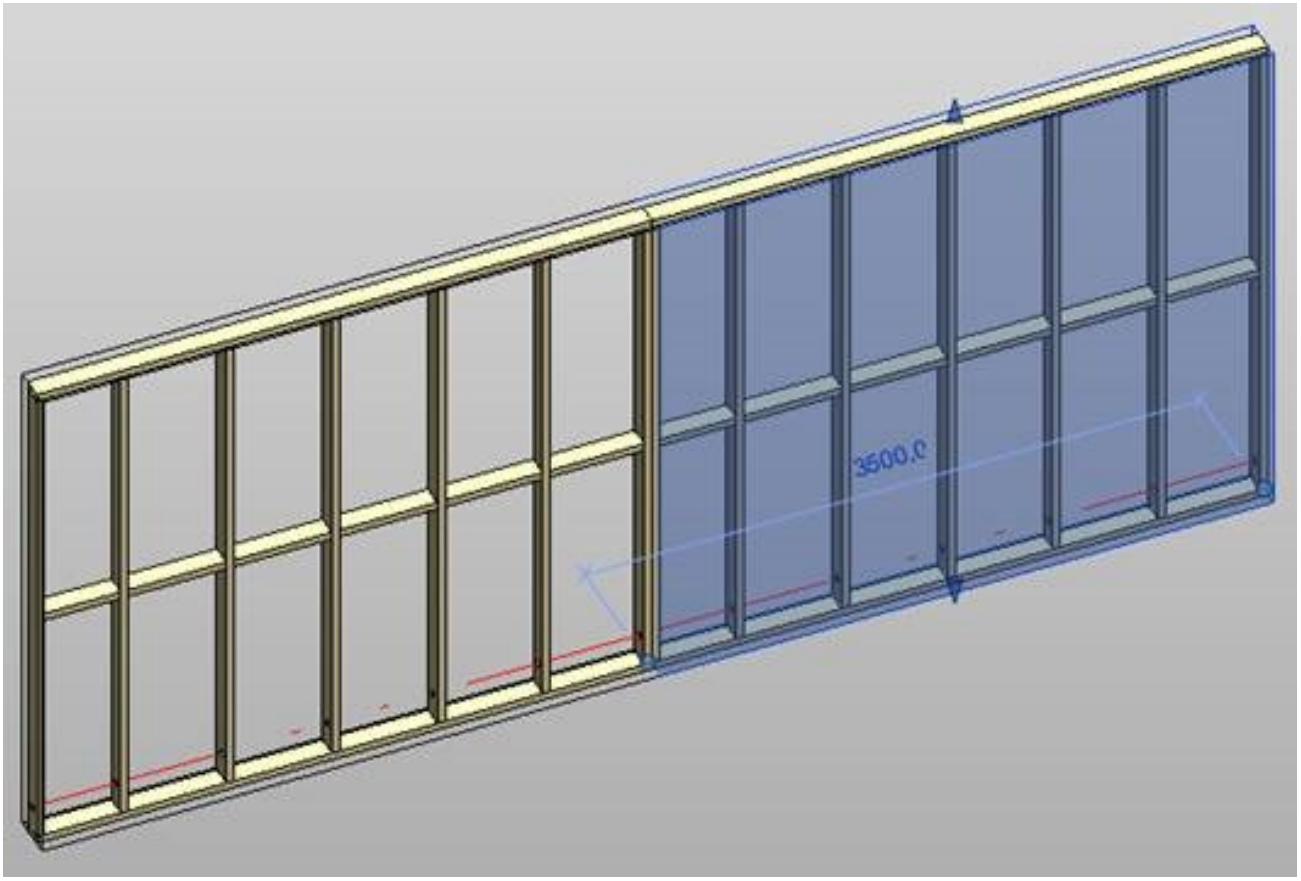
Frame – choose whether layers should be framed during framing process or later. This is very useful if there are many layers in the wall. For example, there might be two nailer layers, but perhaps you only want to frame one of them.

Frame Part



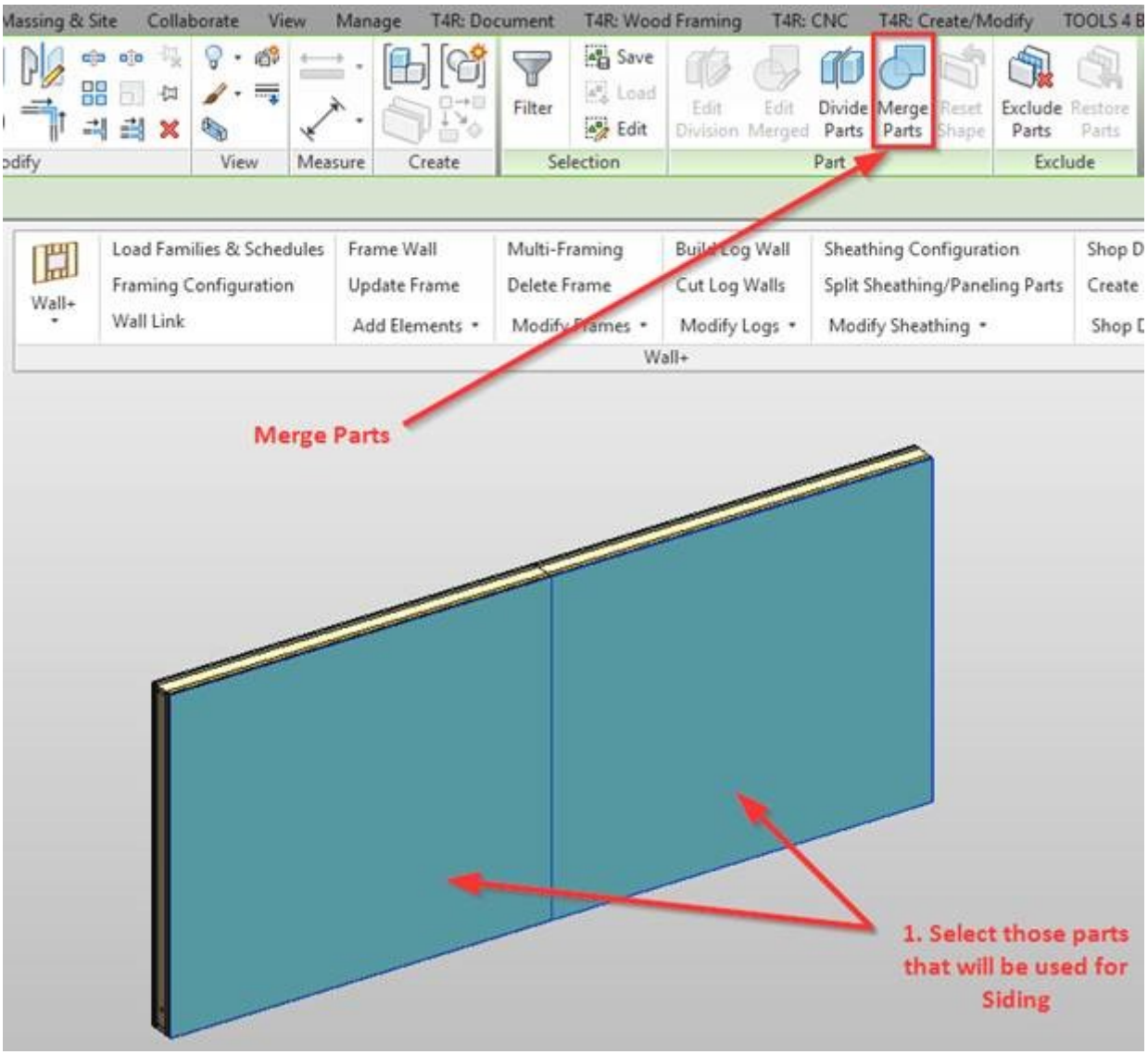
Frame Part – frames separate parts, not the whole wall layer.

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

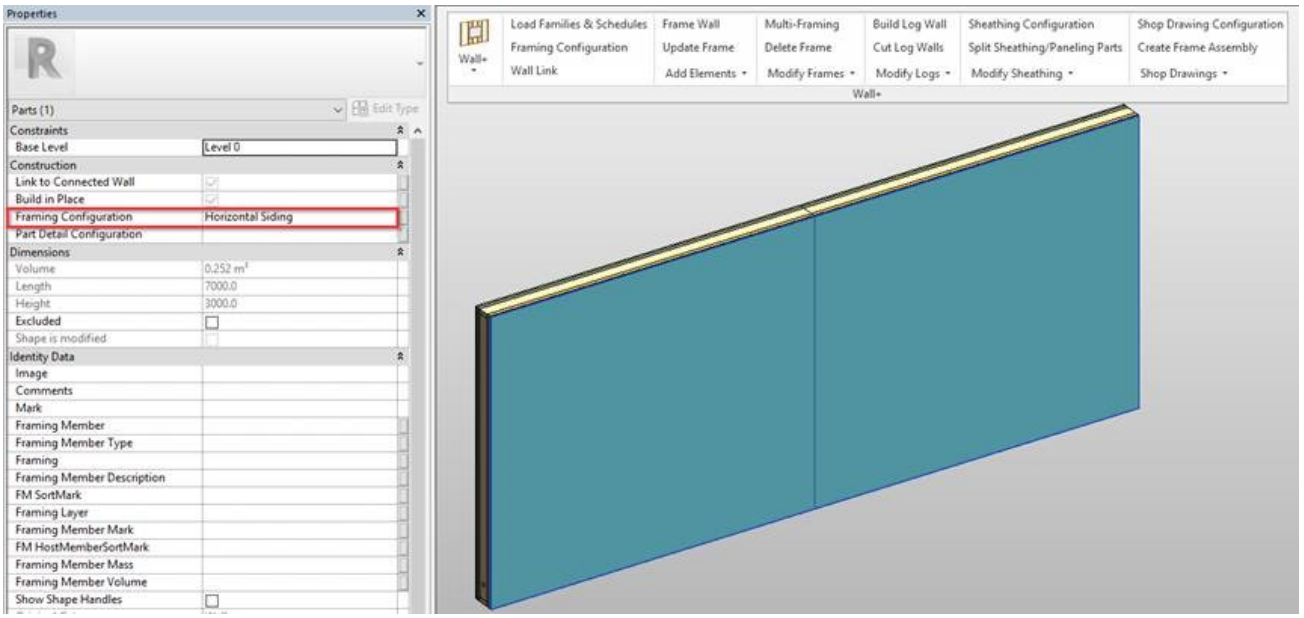


In the previous picture, there are two wall panels framed and the siding needs to be continuous.

1. Turn on **Parts Visibility** in Revit's **View Properties**, and modify (as needed) the part that will be used for siding. 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 Wall** dialog, tick **Frame Parts** for that layer:

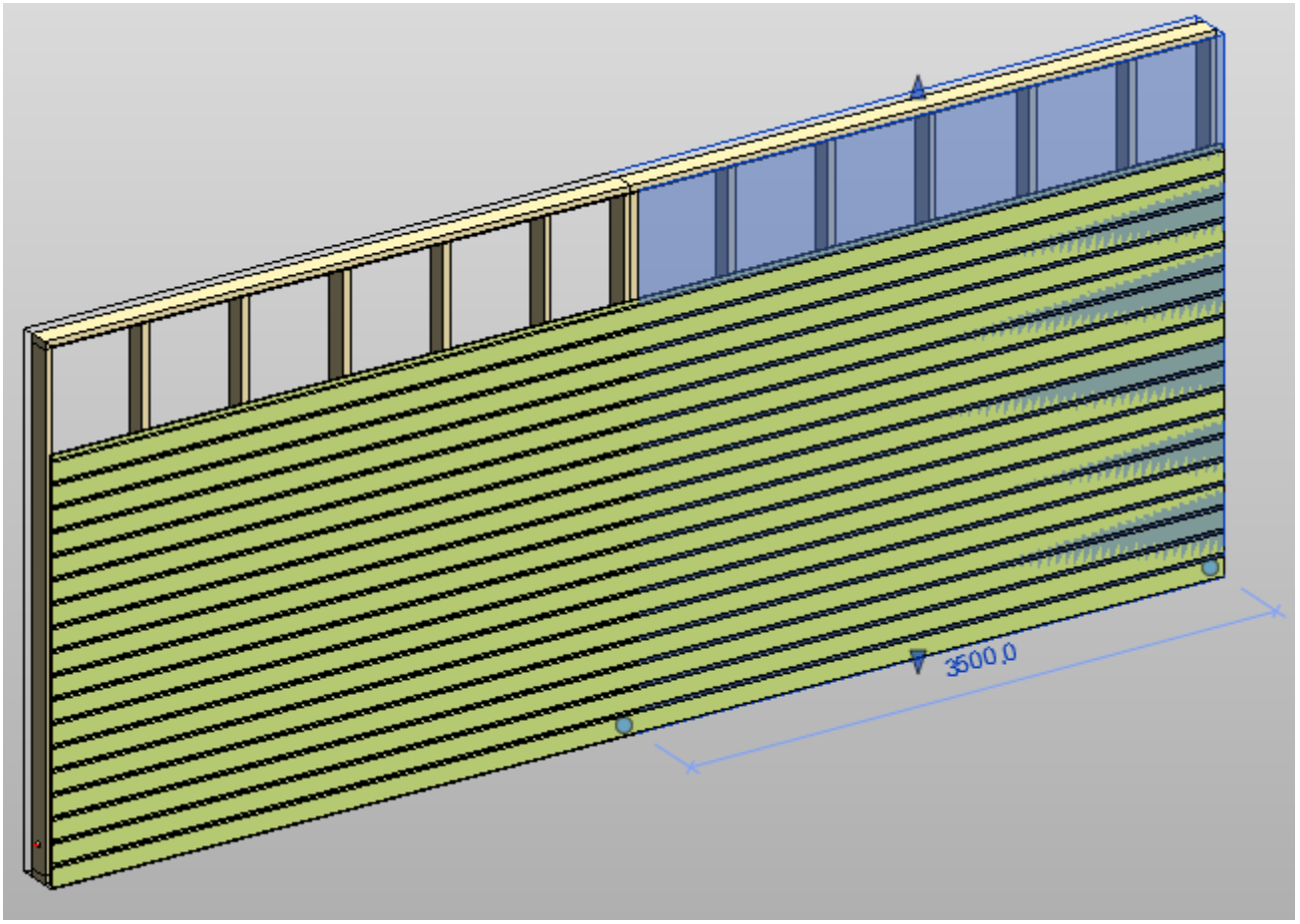
Family: Basic Wall
Type: Ext 1HorSiding - HS22-VN45-FR-SFR45-2SH12
Total thickness: 255
Layers

EXTERIOR SIDE

	Function	Material	Thickness	Framing Layer	Framing Configuration	Frame	Frame Part	Split Parts	Split by	Sheathing/Paneling Configuration	Exclude Parts
0	Finish2	by Category	0 mm	None	-- None --	☑	☐	☐	☐	-- None --	☑
1	Finish2	Wood Horizontal Siding	22 mm	Horizontal Siding	Horizontal Siding	☑	☑	☐	☐	-- None --	☑
2	Finish1	Wood Vertical Nailers	45 mm	Vertical Nailer	Vertical Nailer	☑	☐	☐	☐	-- None --	☑
3	Structure	Wood	120 mm	Frame	Frame	☑	☐	☐	☐	-- None --	☑
4	Substrate	Wood Secondary Frame	45 mm	Secondary Frame	Secondary Frame	☑	☐	☐	☐	-- None --	☑
5	Finish1	Wood Sheathing, Chipboar	12 mm	Sheathing	-- None --	☐	☐	☑	☐	Frame - 1 Ex & 1 In Layers	☐
6	Finish2	Wood Sheathing, Chipboar	12 mm	Sheathing II	-- None --	☐	☐	☑	☐	Frame - 1 Ex & 1 In Layers	☐

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

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



Split Parts

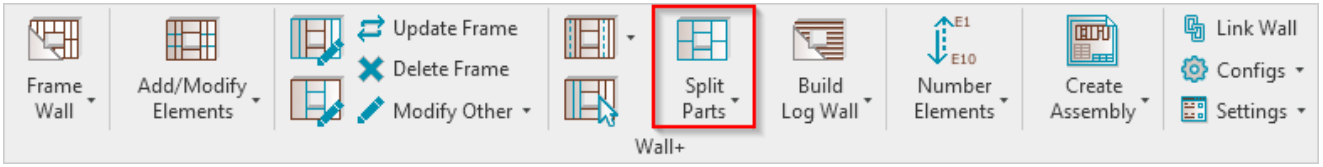
Family: Basic Wall
Type: Ext 3VerSiding - VS22-HN45-FR-SFR45-SH12
Total thickness: 234

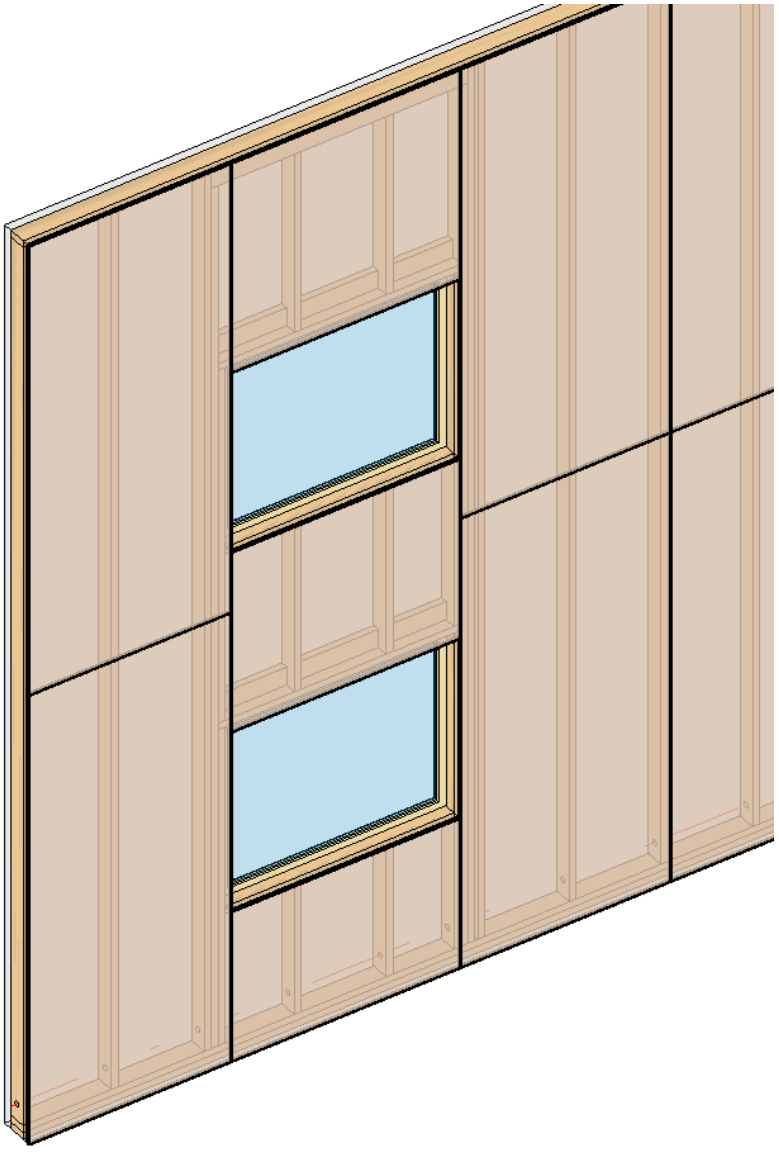
Layers

EXTERIOR SIDE

Thickness	Framing Layer	Framing Configuration	Configuration	Frame	Frame Part	Split Parts	Split by	Sheathing/Paneling Configuration	Exclude Parts
12 mm	Sheathing	-- None --	Variable	☐	☐	☑	☐	3. Horizontal 3000 _ Horizontal N	☐
45 mm	Horizontal Nailer	Horizontal Nailers b=45	Fixed	☑	☐	☐	☐	-- None --	☑
120 mm	Frame	Frame	Variable	☑	☐	☐	☐	-- None --	☑
45 mm	Secondary Frame	Secondary Frame	Fixed	☑	☐	☐	☑	-- None --	☑
12 mm	None	-- None --	Fixed	☐	☐	☐	☐	-- None --	☑

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 wall, for example, two sheathing/paneling layers and you only want to split one.





Split by

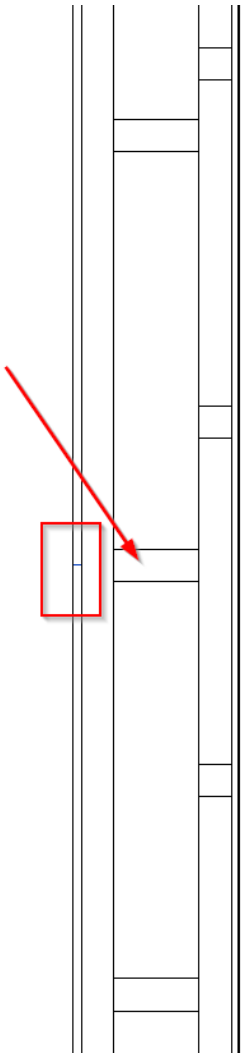
Family: Basic Wall
Type: Ext 3VerSiding - VS22-HN45-FR-SFR45-SH12
Total thickness: 234

Layers

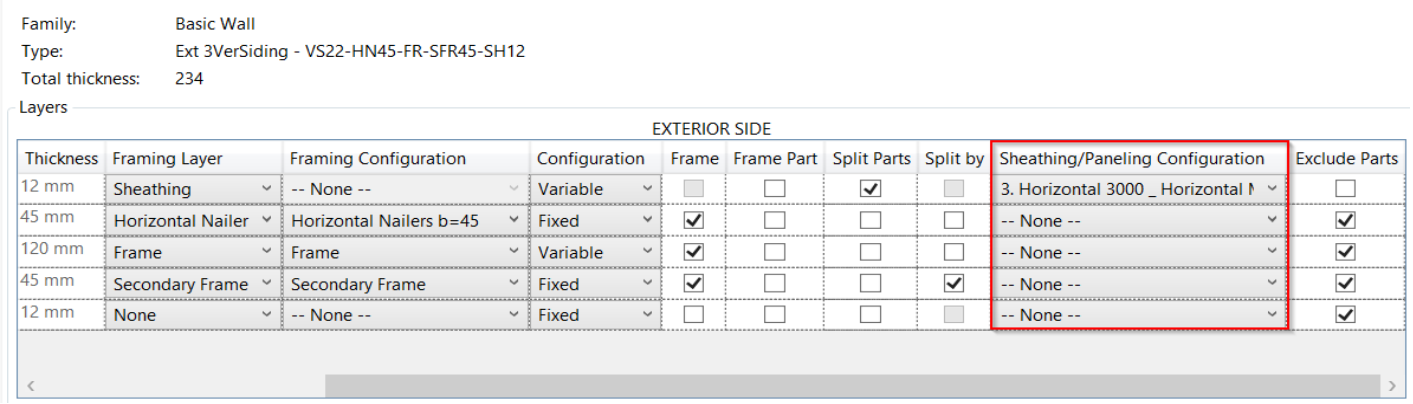
EXTERIOR SIDE

Thickness	Framing Layer	Framing Configuration	Configuration	Frame	Frame Part	Split Parts	Split by	Sheathing/Paneling Configuration	Exclude Parts
12 mm	Sheathing	-- None --	Variable	☐	☐	☑	☐	3. Horizontal 3000 _ Horizontal N	☐
45 mm	Horizontal Nailer	Horizontal Nailers b=45	Fixed	☑	☐	☐	☐	-- None --	☑
120 mm	Frame	Frame	Variable	☑	☐	☐	☐	-- None --	☑
45 mm	Secondary Frame	Secondary Frame	Fixed	☑	☐	☐	☑	-- None --	☑
12 mm	None	-- None --	Fixed	☐	☐	☐	☐	-- None --	☑

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

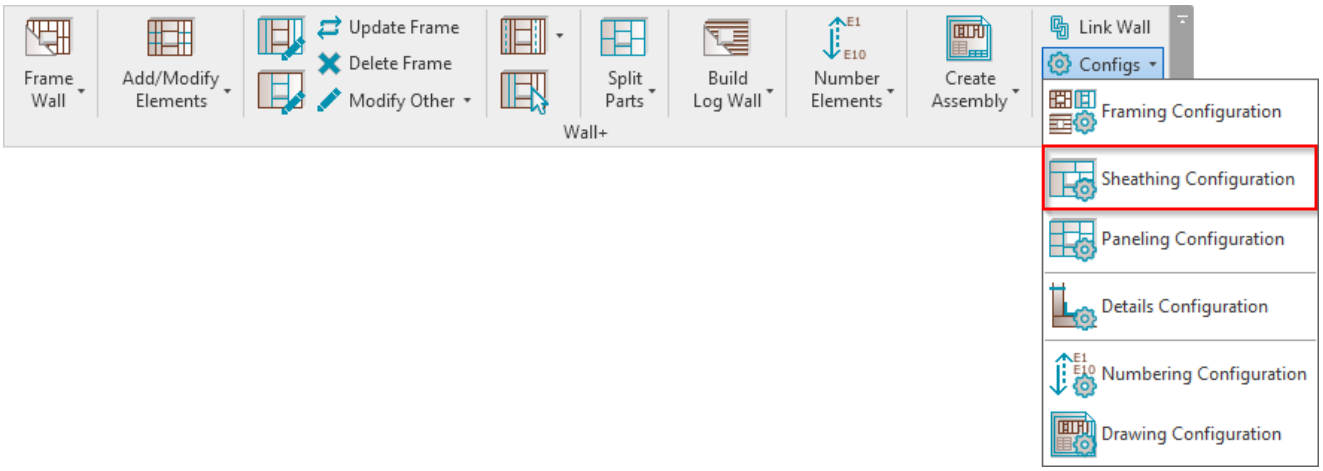


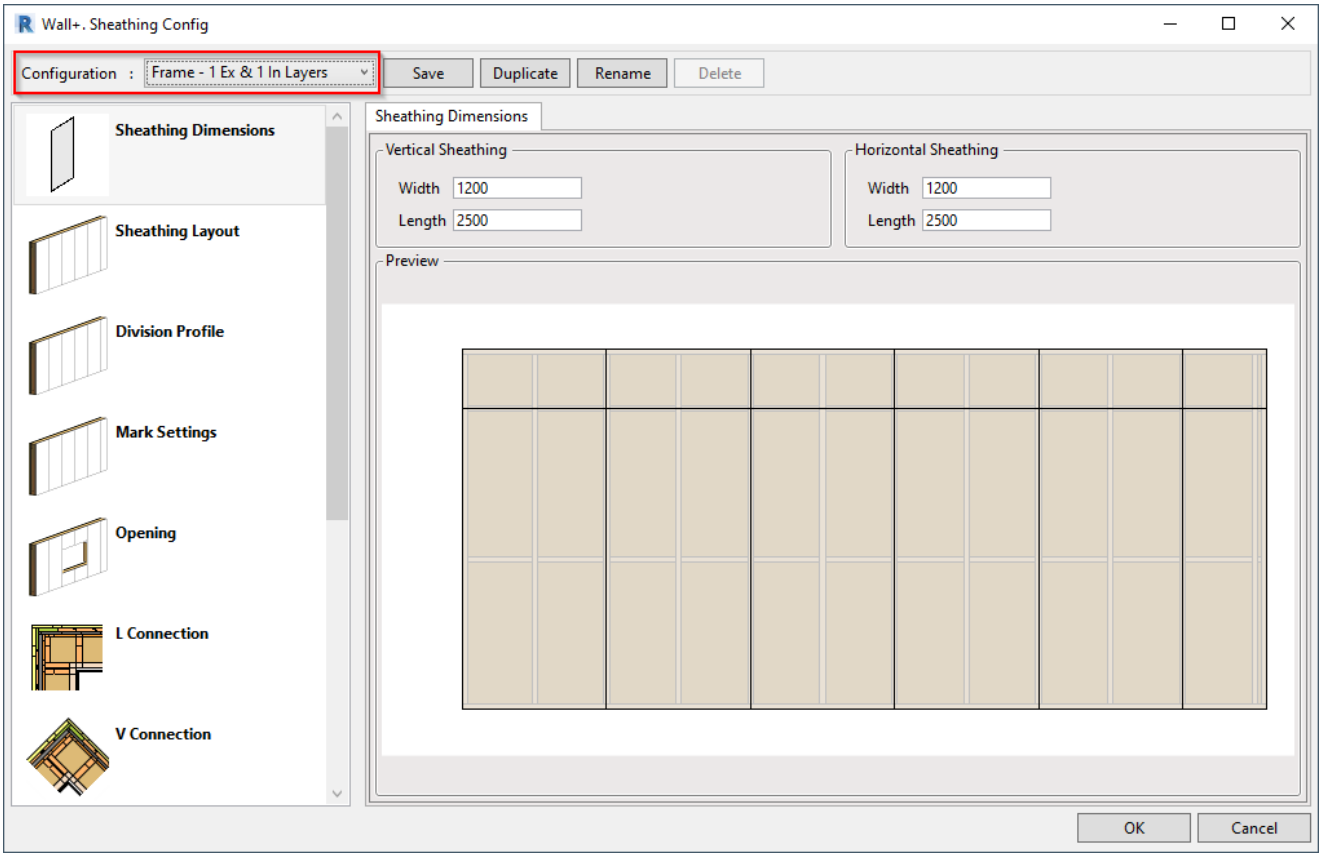
Sheathing/Paneling Configuration



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

The list of sheathing/paneling configurations comes from here:



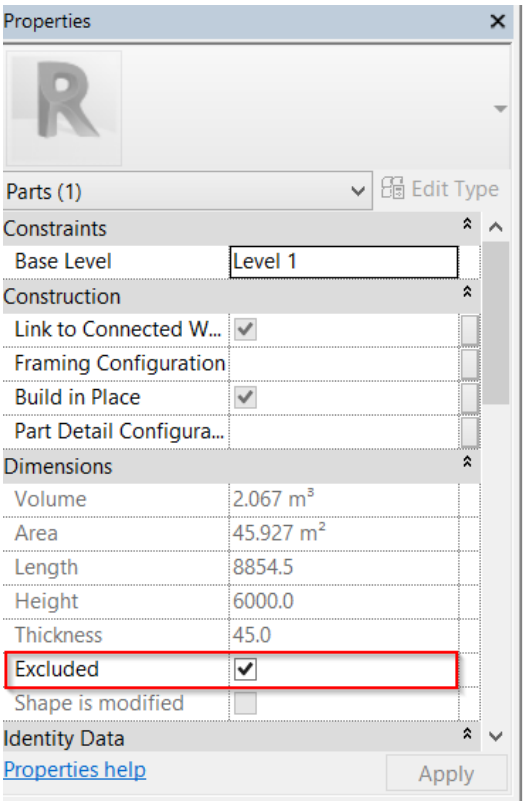
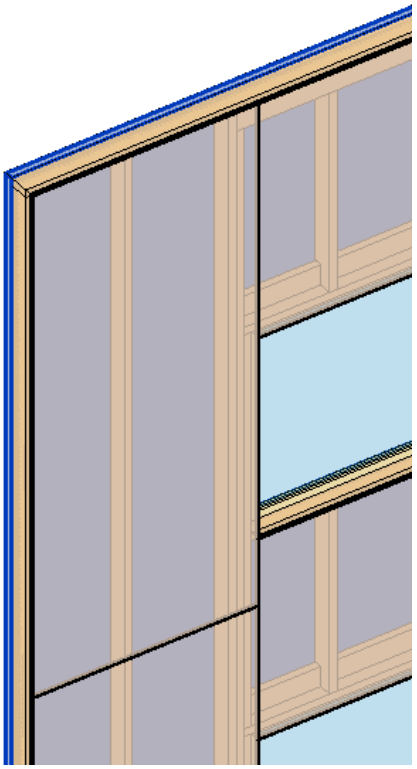


Exclude Parts

Family: Basic Wall
Type: Ext 3VerSiding - VS22-HN45-FR-SFR45-SH12
Total thickness: 234

Layers

EXTERIOR SIDE

Thickness	Framing Layer	Framing Configuration	Configuration	Frame	Frame Part	Split Parts	Split by	Sheathing/Paneling Configuration	Exclude Parts
12 mm	Sheathing	-- None --	Variable	☐	☐	☑	☐	3. Horizontal 3000 _ Horizontal N	☐
45 mm	Horizontal Nailer	Horizontal Nailers b=45	Fixed	☑	☐	☐	☐	-- None --	☑
120 mm	Frame	Frame	Variable	☑	☐	☐	☐	-- None --	☑
45 mm	Secondary Frame	Secondary Frame	Fixed	☑	☐	☐	☑	-- None --	☑
12 mm	None	-- None --	Fixed	☐	☐	☐	☐	-- None --	☑

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