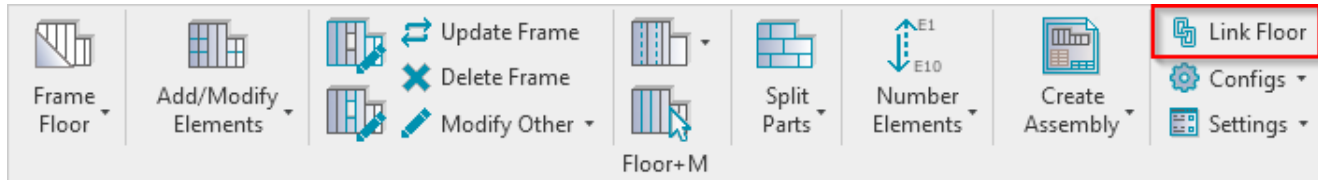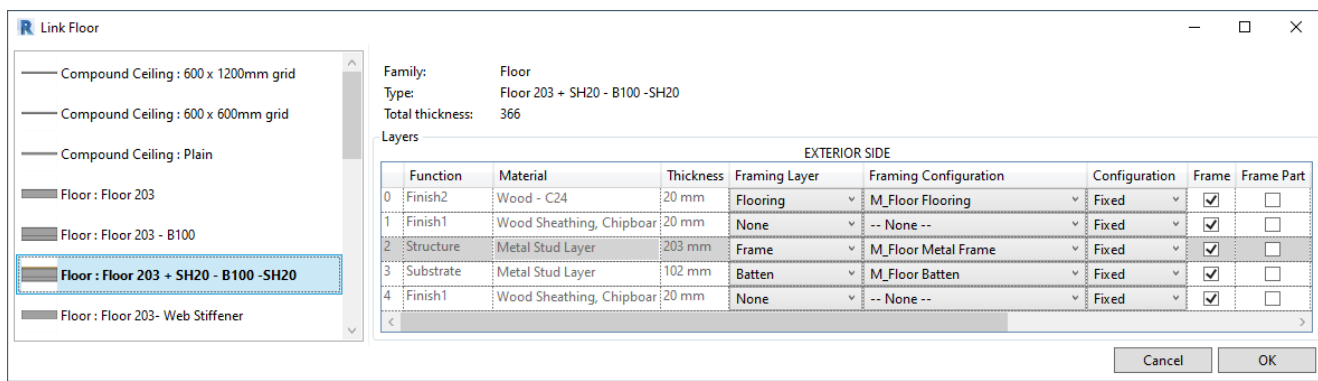# LINK FLOOR

Modified on: Sun, 3 Jan, 2021 at 8:22 PM
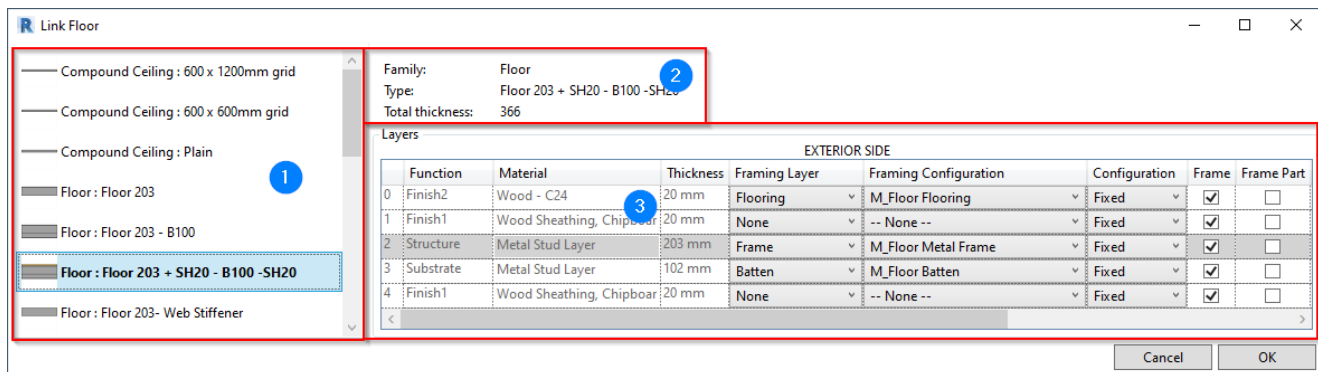
Link Floor

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 203 + SH20 - B100 -SH20
Total thickness: 366

Layers

EXTERIOR SIDE

	Function	Material	Thickness	Framing Layer	Framing Configuration	Configuration	Frame	Frame Part
0	Finish2	Wood - C24	20 mm	Flooring	M_Floor Flooring	Fixed	☑	☐
1	Finish1	Wood Sheathing, Chipboar	20 mm	None	-- None --	Fixed	☑	☐
2	Structure	Metal Stud Layer	203 mm	Frame	M_Floor Metal Frame	Fixed	☑	☐
3	Substrate	Metal Stud Layer	102 mm	Batten	M_Floor Batten	Fixed	☑	☐
4	Finish1	Wood Sheathing, Chipboar	20 mm	None	-- None --	Fixed	☑	☐

Framing Layer

Family: Floor
Type: Floor 203 + SH20 - B100 -SH20
Total thickness: 366

Layers

EXTERIOR SIDE

	Function	Material	Thickness	Framing Layer	Framing Configuration	Configuration	Frame	Frame Part
0	Finish2	Wood - C24	20 mm	Flooring	M_Floor Flooring	Fixed	☑	☐
1	Finish1	Wood Sheathing, Chipboar	20 mm	None	-- None --	Fixed	☑	☐
2	Structure	Metal Stud Layer	203 mm	Frame	M_Floor Metal Frame	Fixed	☑	☐
3	Substrate	Metal Stud Layer	102 mm	Batten	M_Floor Batten	Fixed	☑	☐
4	Finish1	Wood Sheathing, Chipboar	20 mm	None	-- None --	Fixed	☑	☐

Select which framing layer has to be created.
Possible options: **Frame**, **Secondary Frame**, **Flooring**, **Battens**, **Paneling**, and two **Sheathing** layers.
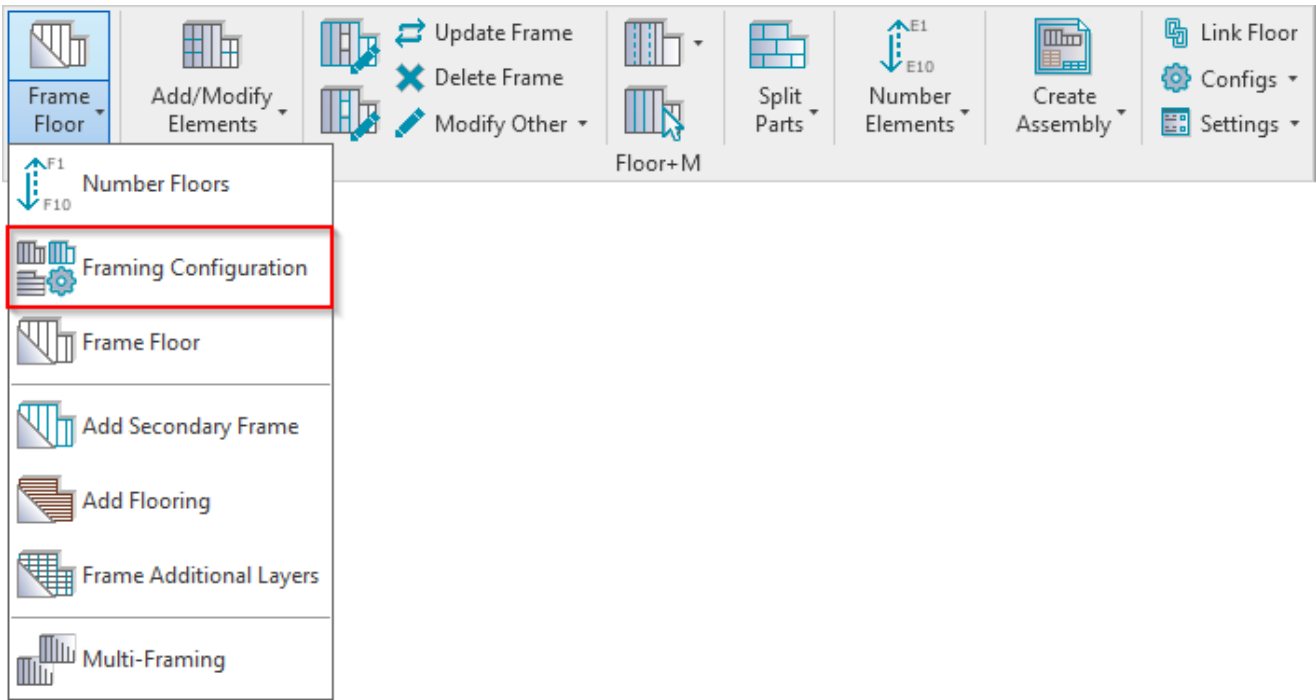
Framing Configuration

Family: Floor
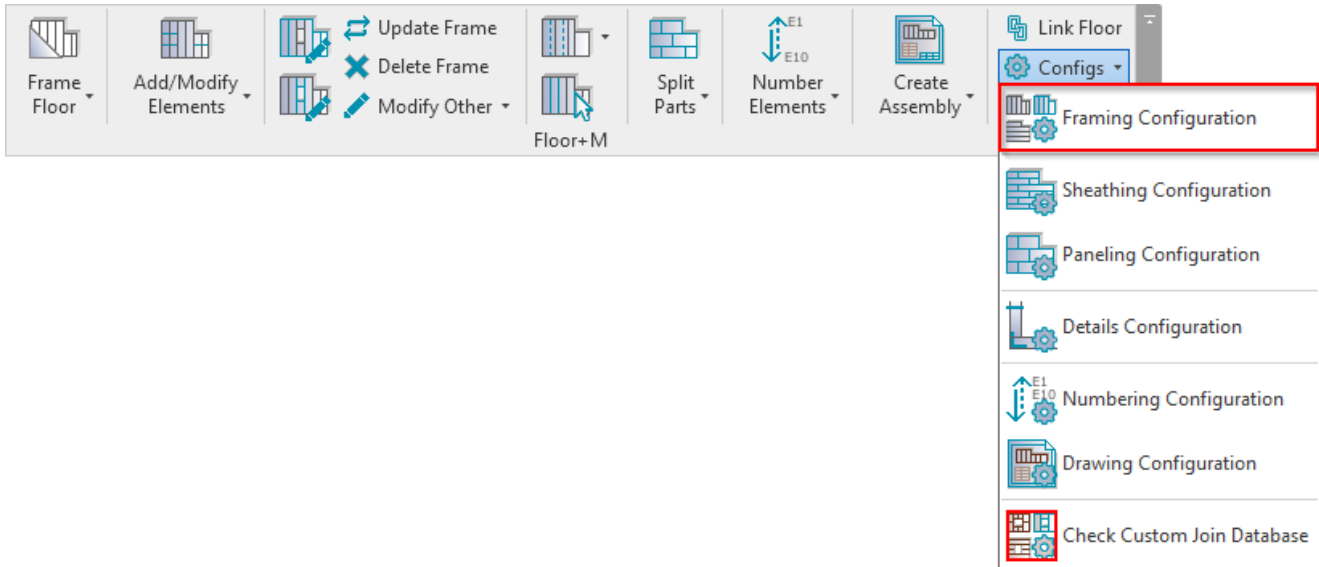Type: Floor 203 + SH20 - B100 -SH20
Total thickness: 366

Layers

EXTERIOR SIDE

	Function	Material	Thickness	Framing Layer	Framing Configuration	Configuration	Frame	Frame Part
0	Finish2	Wood - C24	20 mm	Flooring	M_Floor Flooring	Fixed	☑	☐
1	Finish1	Wood Sheathing, Chipboar	20 mm	None	-- None --	Fixed	☑	☐
2	Structure	Metal Stud Layer	203 mm	Frame	M_Floor Metal Frame	Fixed	☑	☐
3	Substrate	Metal Stud Layer	102 mm	Batten	M_Floor Batten	Fixed	☑	☐
4	Finish1	Wood Sheathing, Chipboar	20 mm	None	-- None --	Fixed	☑	☐

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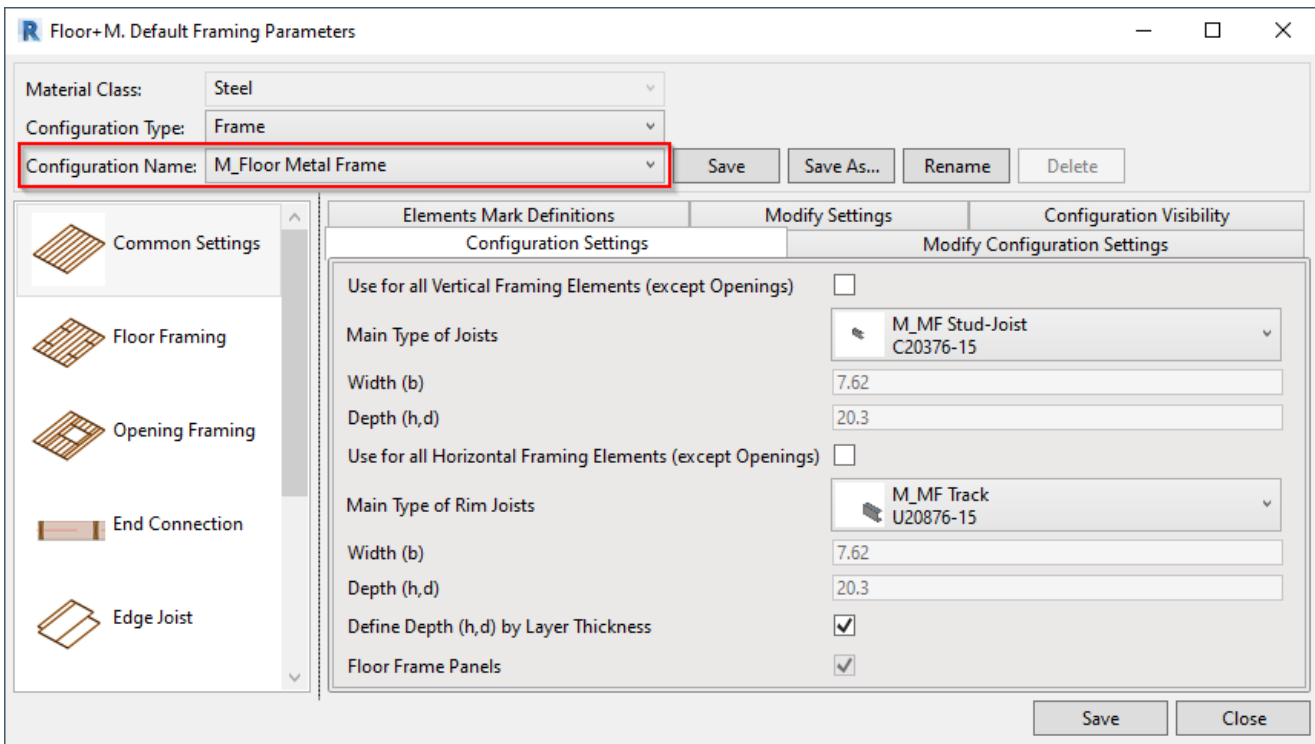
The list of framing configurations comes from the **Framing Configuration** dialog:

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 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

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.
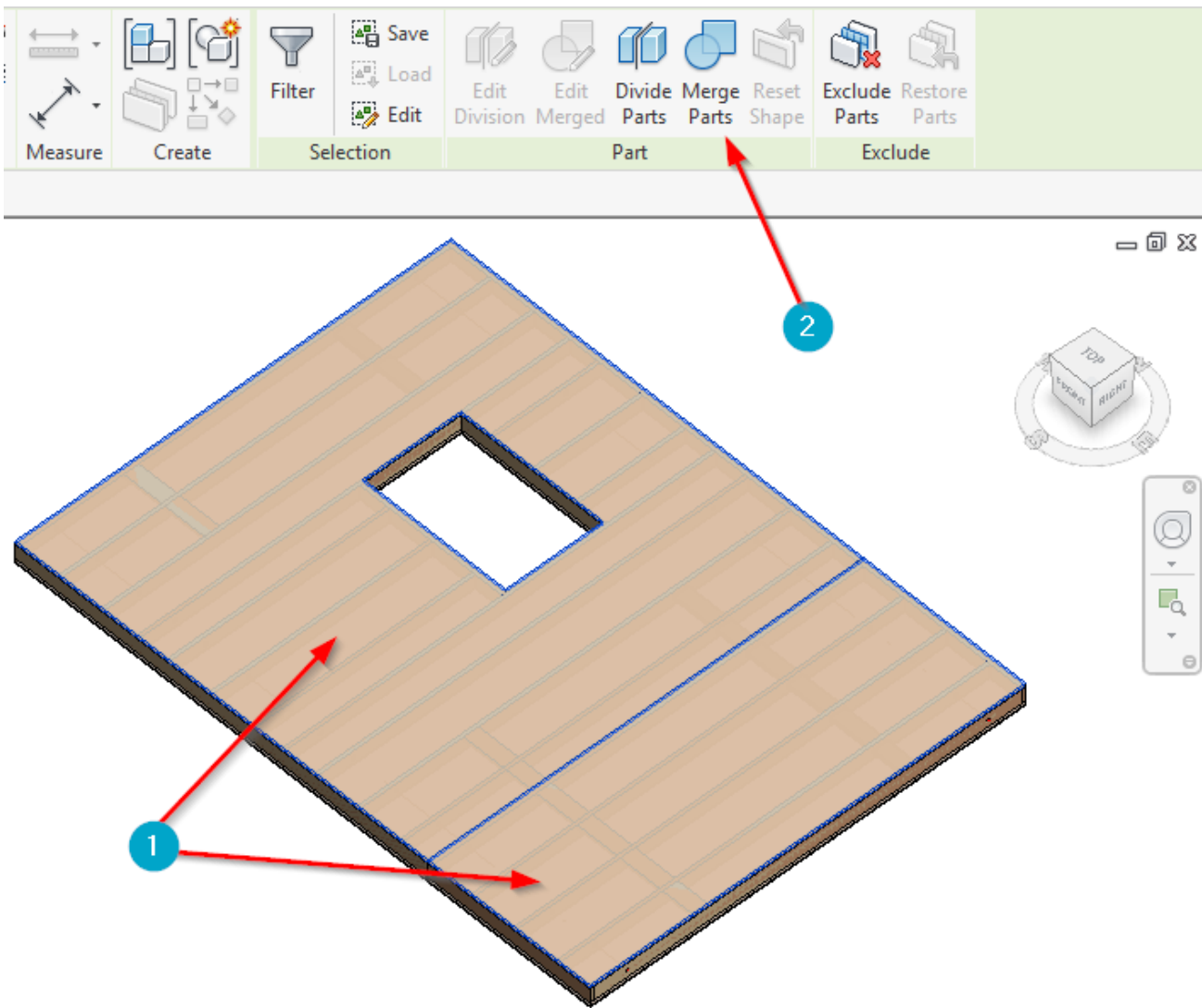
Frame Part

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.
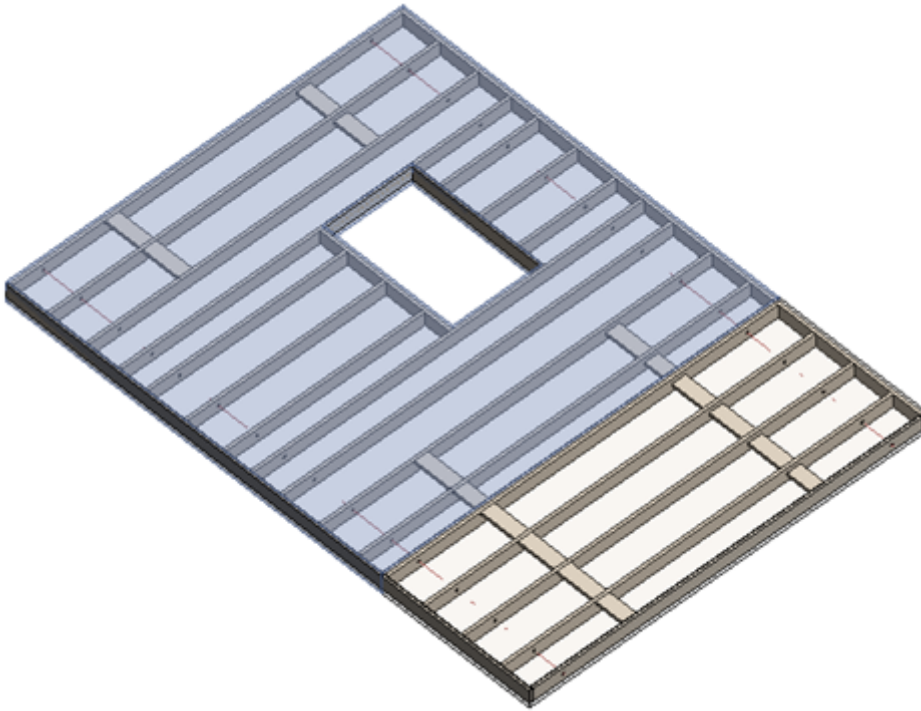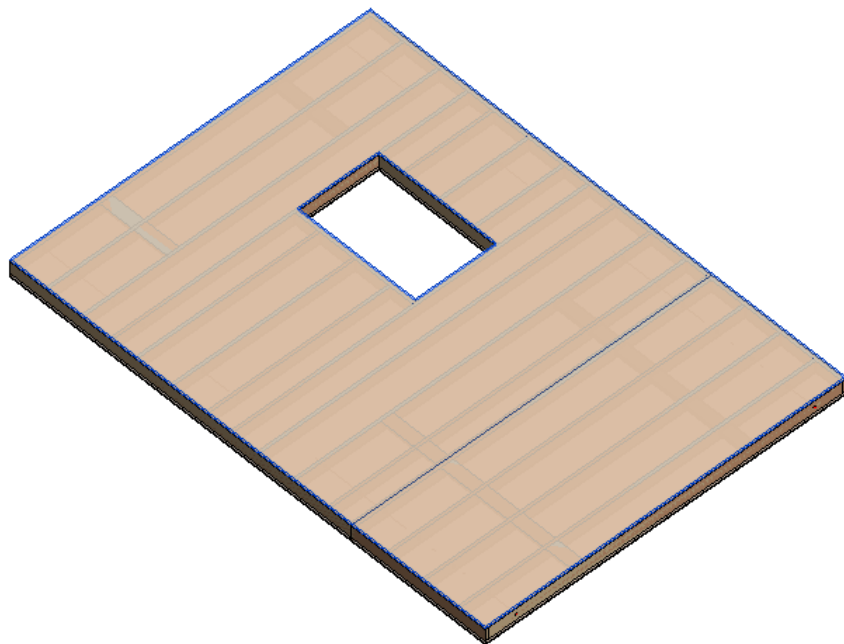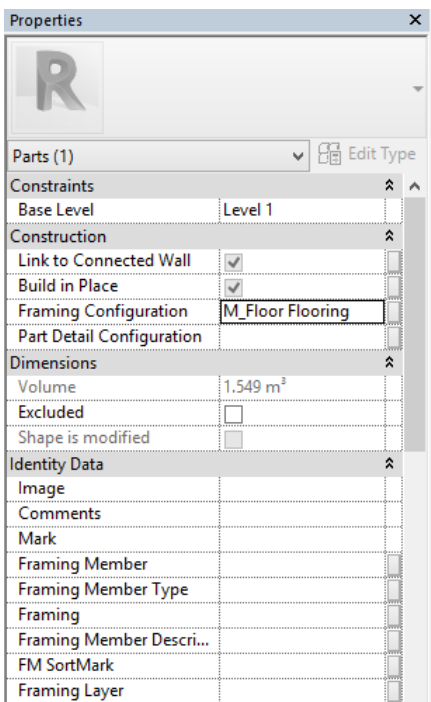

In the above picture, there are two floor panels framed and the flooring needs to be continuous.

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:
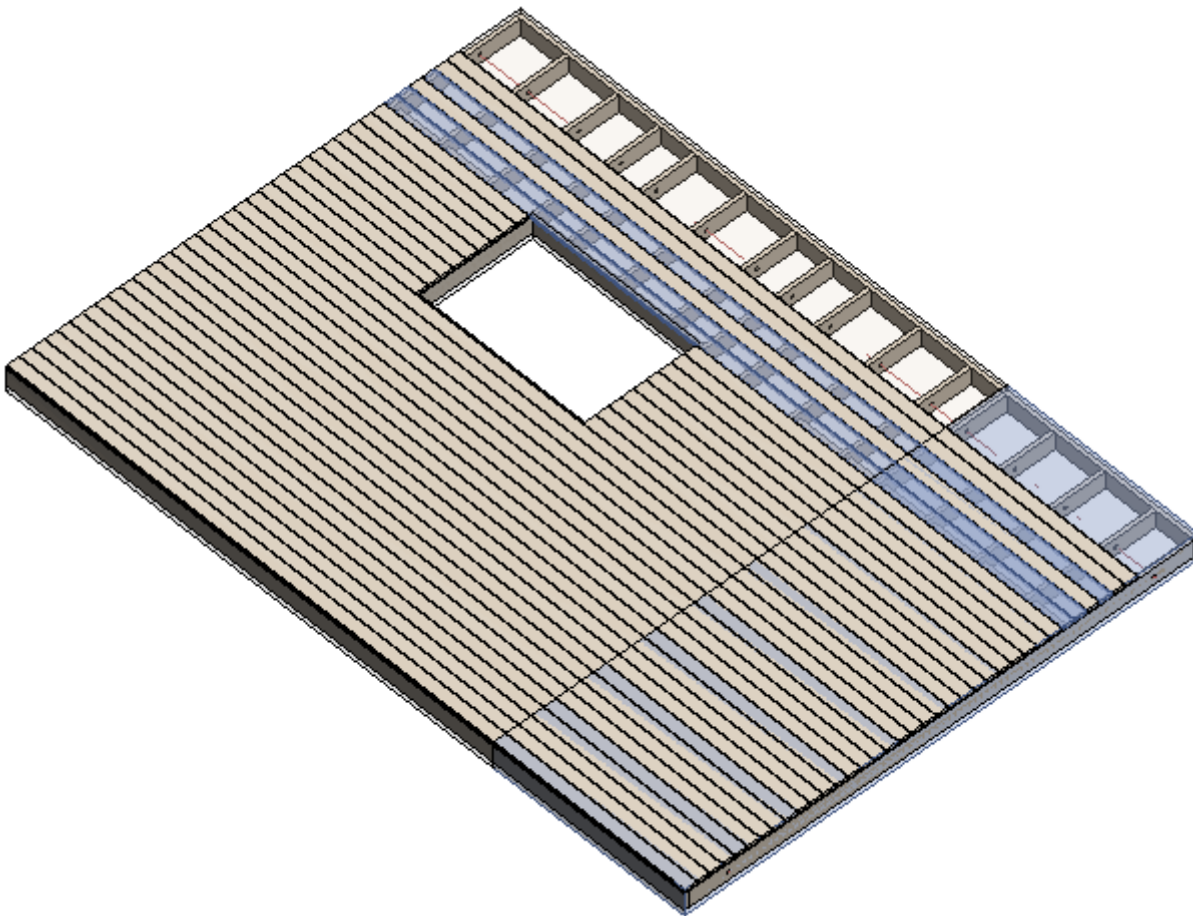
Family:	Floor
Type:	Floor 203 + SH20 - B100 -SH20
Total thickness:	366

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	✔	✔	☐	☐	-- None --	✔
Sheathing	-- None --	Fixed	☐	☐	☐		Floor Frame - 1 Top & 1 Bottom Layers	✔
Frame	M_Floor Metal Frame	Fixed	✔	☐	☐	☐	-- None --	✔
Batten	M_Floor Batten	Fixed	✔	☐	☐	☐	-- None --	✔
Sheathing	-- None --	Fixed	☐	☐	☐		Floor Frame - 1 Top & 1 Bottom Layers	✔

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:
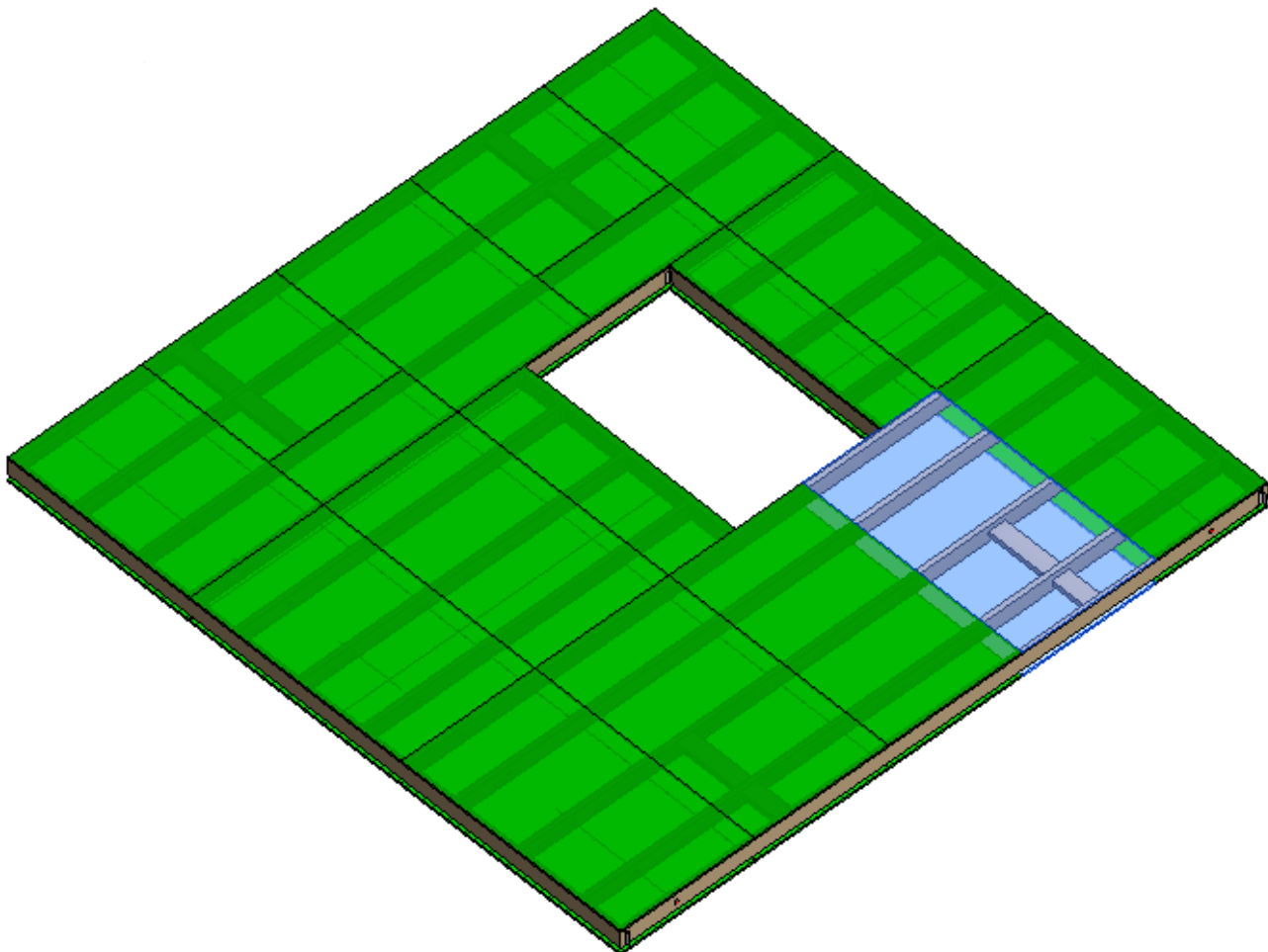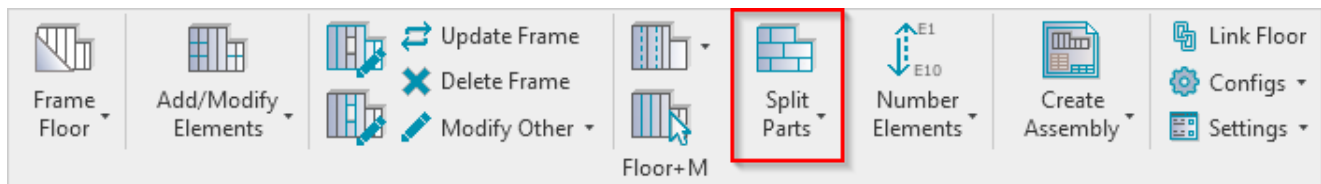

Split Parts

Family: Floor
Type: Floor 203 + SH20 - B100 -SH20
Total thickness: 366

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	☑	☑	☐	☐	-- None --	☑
Sheathing	-- None --	Fixed	☐	☐	☑	☐	Floor Frame - 1 Top & 1 Bottom Layers	☑
Frame	M_Floor Metal Frame	Fixed	☑	☐	☐	☐	-- None --	☑
Batten	M_Floor Batten	Fixed	☑	☐	☐	☐	-- None --	☑
Sheathing	-- None --	Fixed	☐	☐	☑	☐	Floor Frame - 1 Top & 1 Bottom Layers	☑

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.
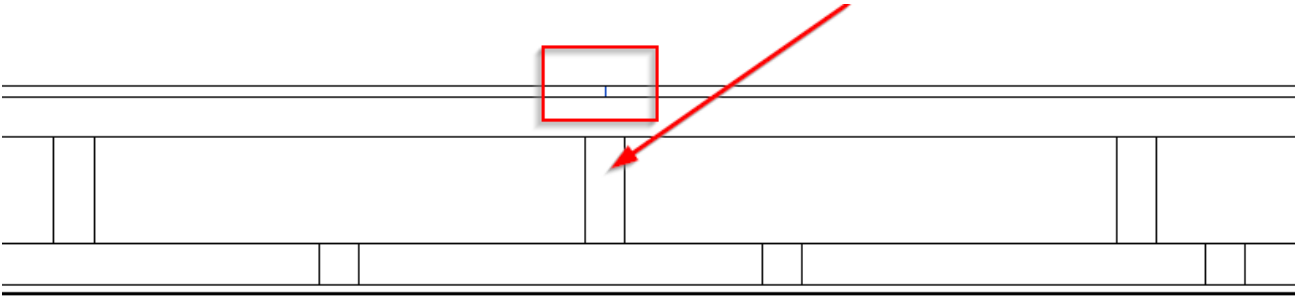

Split by

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 **Floor+M**, but you can also create your own.

The list of sheathing/paneling configurations comes from here:
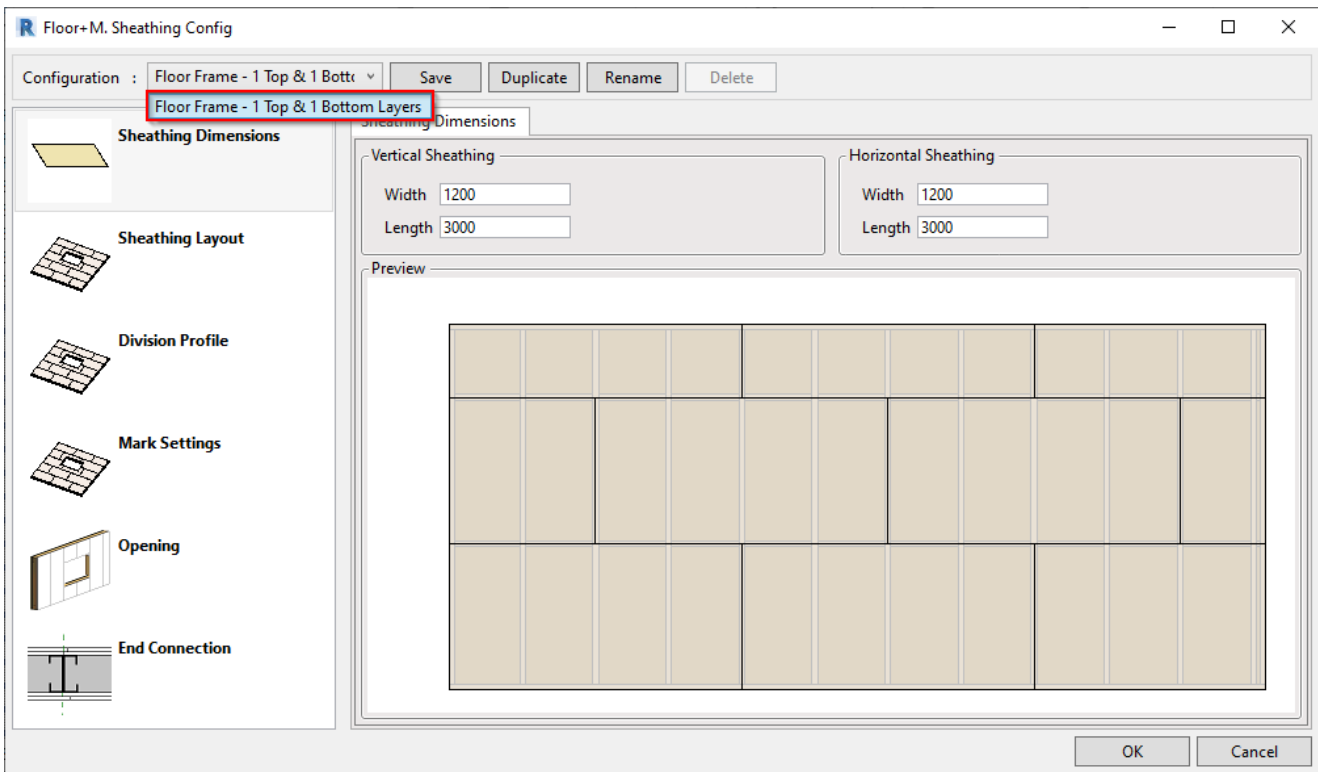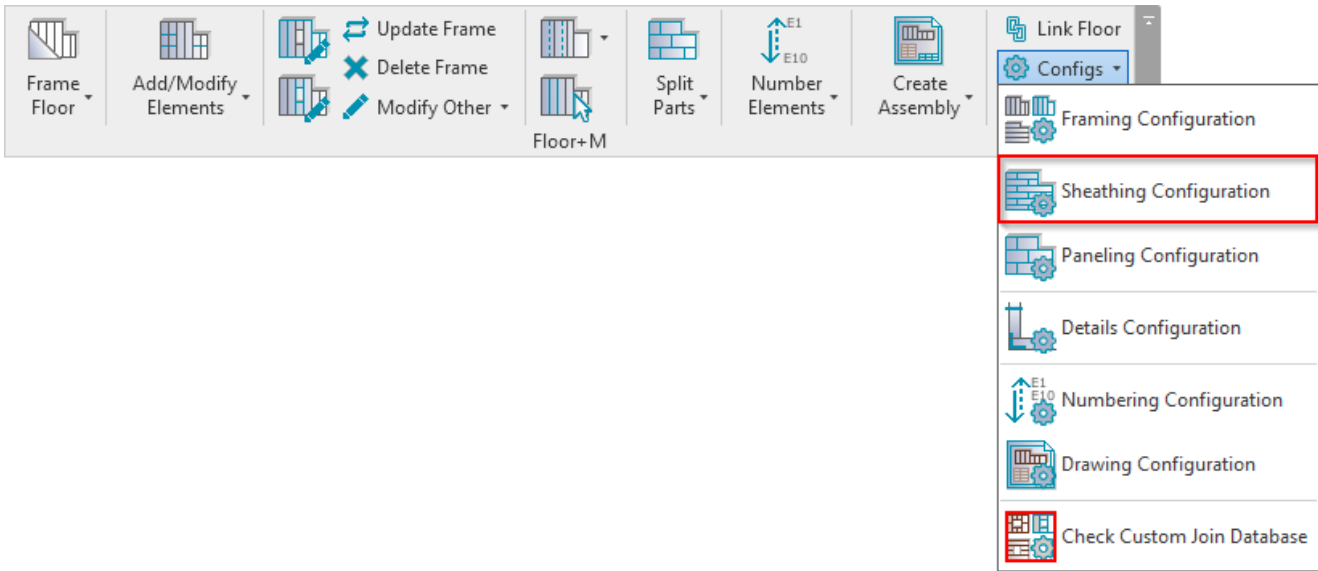
Exclude Parts

Family:	Floor
Type:	Floor 203 + SH20 - B100 -SH20
Total thickness:	366

Layers

	Framing Layer	Framing Configuration	Configuration	Frame	Frame Part	Split Parts	Split by	Sheathing/Paneling Configuration	Exclude Parts
	Flooring ∨	M_Floor Flooring ∨	Fixed ∨	☑	☐	☐	☐	-- None -- ∨	☑
	Sheathing ∨	-- None -- ∨	Fixed ∨	☐	☐	☑		Floor Frame - 1 Top & 1 Bottom ∨	☑
	Frame ∨	M_Floor Metal Frame ∨	Fixed ∨	☑	☐	☐	☑	-- None -- ∨	☑
	Batten ∨	M_Floor Batten ∨	Fixed ∨	☑	☐	☐	☐	-- None -- ∨	☑
	Sheathing ∨	-- None -- ∨	Fixed ∨	☐	☐	☑		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.