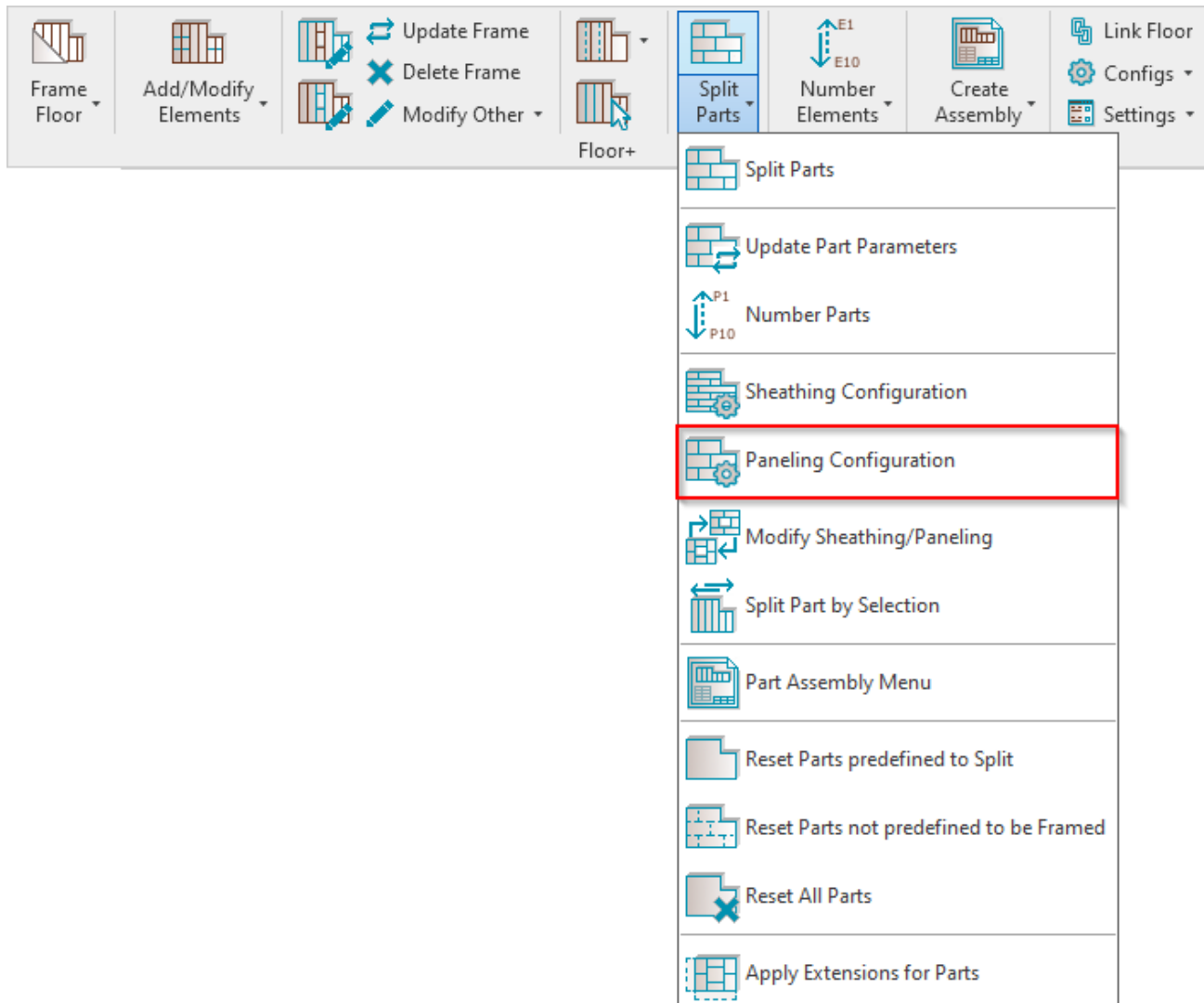


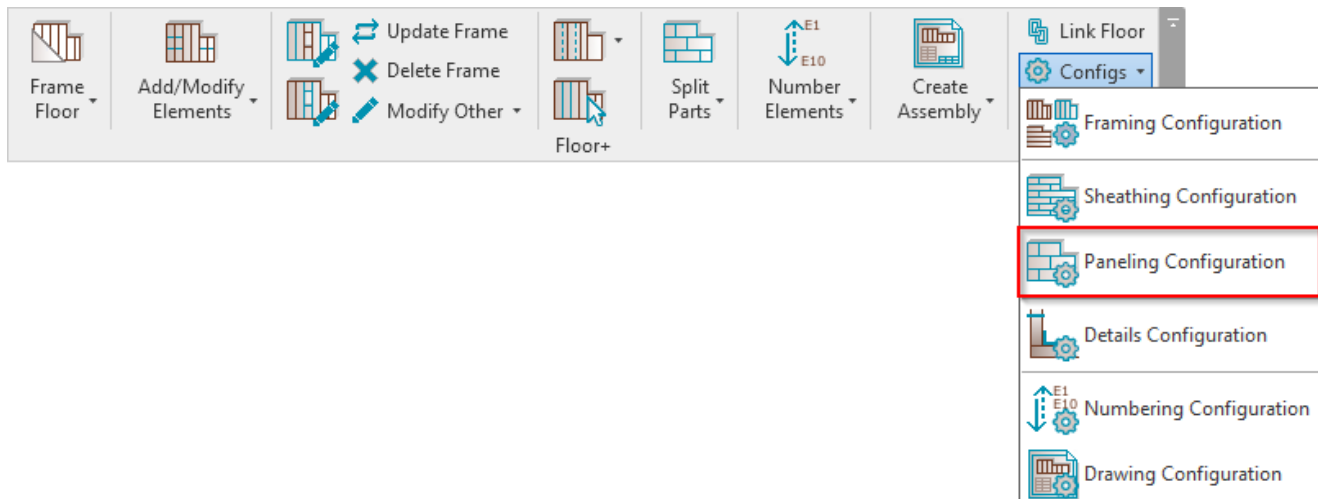
# SHEATHING and PANELING LAYOUTS – Paneling Configuration

Modified on: Sun, 17 Jan, 2021 at 6:35 PM

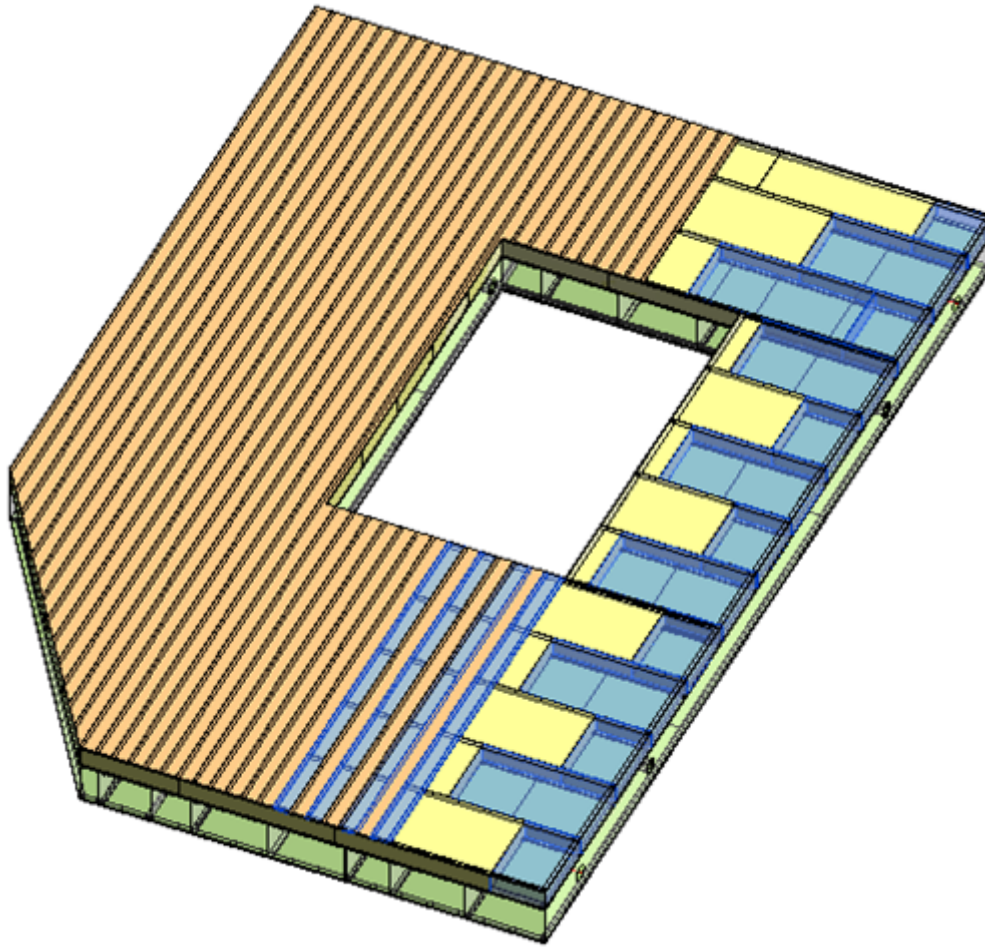
## Paneling Configuration



OR:

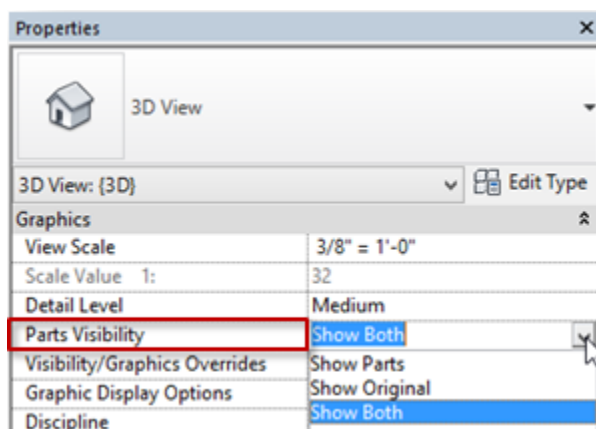


**Paneling Configuration – allows you to configure and save settings for the paneling layouts. These settings can be saved and linked with floor layer using Link Floor.**



**Using Paneling Configuration you can predefine insulation and paneling setting for your Revit project.**

**Insulation or panels are created using Revit Parts. In order to see the panels or insulation, you have to select Show Parts or Show Both in View Properties → Parts Visibility.**



**These settings can be saved and linked with floor layer using Link Floor.**

Link Floor

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

Layers

EXTERIOR SIDE										
	Thickness	Framing Layer	Framing Configuration	Configuration	Frame	Frame Part	Split Parts	Split by	Sheathing/Paneling Configuration	Exclude Parts
oring	35 mm	Flooring	M_Floor Flooring	Fixed	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Panel	<input type="checkbox"/>
athing - plywood	18 mm	Sheathing	-- None --	Fixed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Floor Frame - 1 Top & 1 Bottom Layers	<input type="checkbox"/>
id Layer	200 mm	Frame	M_Floor Wood Frame	Fixed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-- None --	<input checked="" type="checkbox"/>
d Layer	45 mm	Batten	M_Floor Batten	Fixed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	-- None --	<input checked="" type="checkbox"/>
thing, Chipboard	18 mm	Sheathing	-- None --	Fixed	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Floor Frame - 1 Top & 1 Bottom Layers	<input type="checkbox"/>

Cancel OK

Floor+, Paneling Configuration

Configuration : **Panel** Save Duplicate Rename Delete

Paneling Dimensions

Paneling Layout

Division Profile

Mark Settings

Opening

End Connection

Paneling Dimensions

Vertical

Width 600

Length 1800

Horizontal

Width 150

Length 6000

Preview

OK Cancel

## Paneling Dimensions

Paneling Dimensions

Paneling Layout

Division Profile

Mark Settings

Opening

End Connection

Paneling Dimensions

Vertical

Width 600

Length 1800

Horizontal

Width 150

Length 6000

Preview

**Paneling Dimensions** – predefine vertical and horizontal paneling sizes (Width and Length).

---

# Paneling Layout

Paneling Dimensions

Paneling Layout

Division Profile

Mark Settings

Opening

End Connection

Paneling LayoutSpecial Layout

Paneling Layout

Parallel to Stud/Joist☐

Build in Place☐

Bottom/Base Extension0 ☐ Apply Horizontally

Sloped Bottom/Base Extension0 ☐ Apply Horizontally

Division Horizontal Offset0

Placement DirectionFrom Start

Vertical Elements Cut Panels☐

Add First Split Line☒

Align with Studs/Joists☐

Allow to Split on Second King/Joist☐

Vertical Split by "Split Part"☐

Vertical Split LimitsThroughout

Horizontal Split by "Split Part"☐

Split by "Split Part Priority"☐

Split by "Part Division Profile" (beta)☐

Complete Sheets in First Row☒

Perpendicular to Stud/Joist☒

Top/End Extension0 ☐ Apply Horizontally

Sloped Top/End Extension0 ☐ Apply Horizontally

Division Vertical Offset0

Second Row Overlap Distance0

Horizontal Elements Cut Panels☐

Add Last Split Line☐

Always Try to Merge PartsNone

Including Parts with Different Edges☐

Vertical Split On Opening SideNone

Minimal Width of Opening for Split0

Horizontal Split On Opening Side☐

Split by Steepest Top Ridge☐

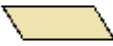
Split by Steepest Bottom Ridge☐

**Paneling Layout** – predefine settings for creating the paneling.


[Read more about every feature here >>](https://agacad.freshdesk.com/support/solutions/articles/44002140223-sheathing-and-paneling-layouts-%E2%80%93-paneling-configuration-%E2%80%93-paneling-layout) (https://agacad.freshdesk.com/support/solutions/articles/44002140223-sheathing-and-paneling-layouts-%E2%80%93-paneling-configuration-%E2%80%93-paneling-layout)

# Special Layout


**Paneling Dimensions**




**Paneling Layout**




**Division Profile**




**Mark Settings**



**Opening**



**End Connection**



**Paneling Layout** **Special Layout**

**Split Settings**

Split Type: Split from start

'Following Split Function - 'Split by Parameter - by Priority ☐

☒ **Enable Special Layout**

**Split by Openings**

**Window**

Minimal Distance from Window:

Minimum Window Width:

**Door**

Minimal Distance from Door:

Minimum Door Width:

**Generic Openings**

Minimal Distance from Generic Opening:

Minimum Generic Opening Width:

**System Openings**

Minimal Distance from System Opening:

Minimum System Opening Width:

☒ Fit opening in complete split segment

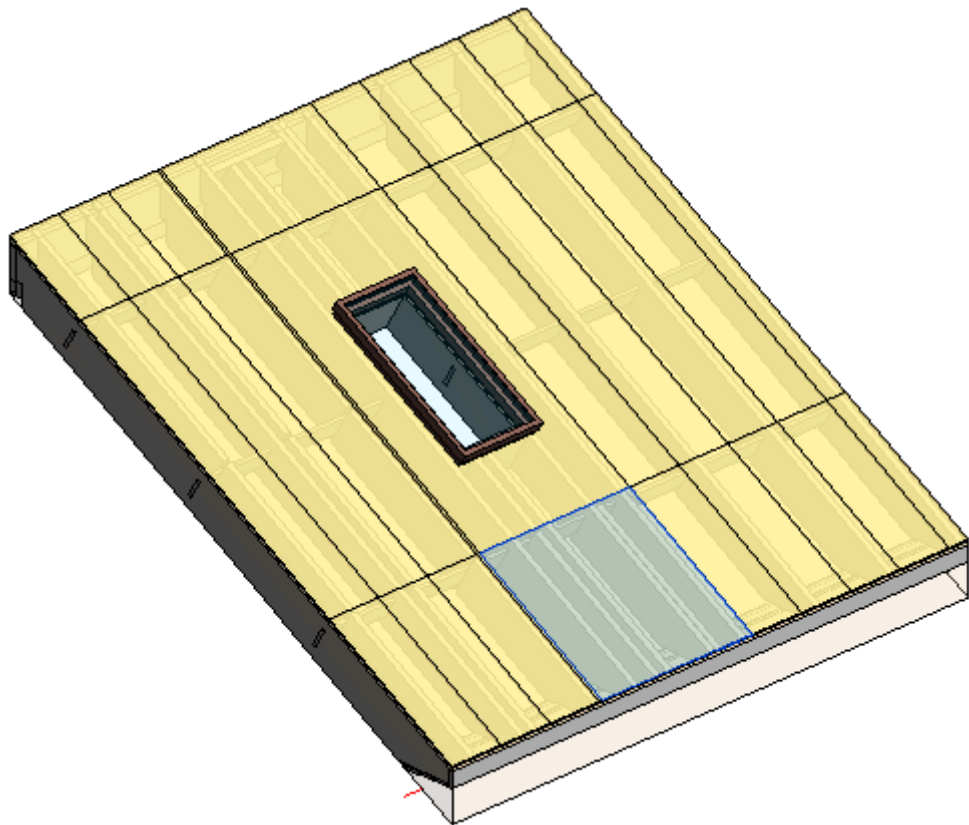
**Split Spacing**

Spacing:

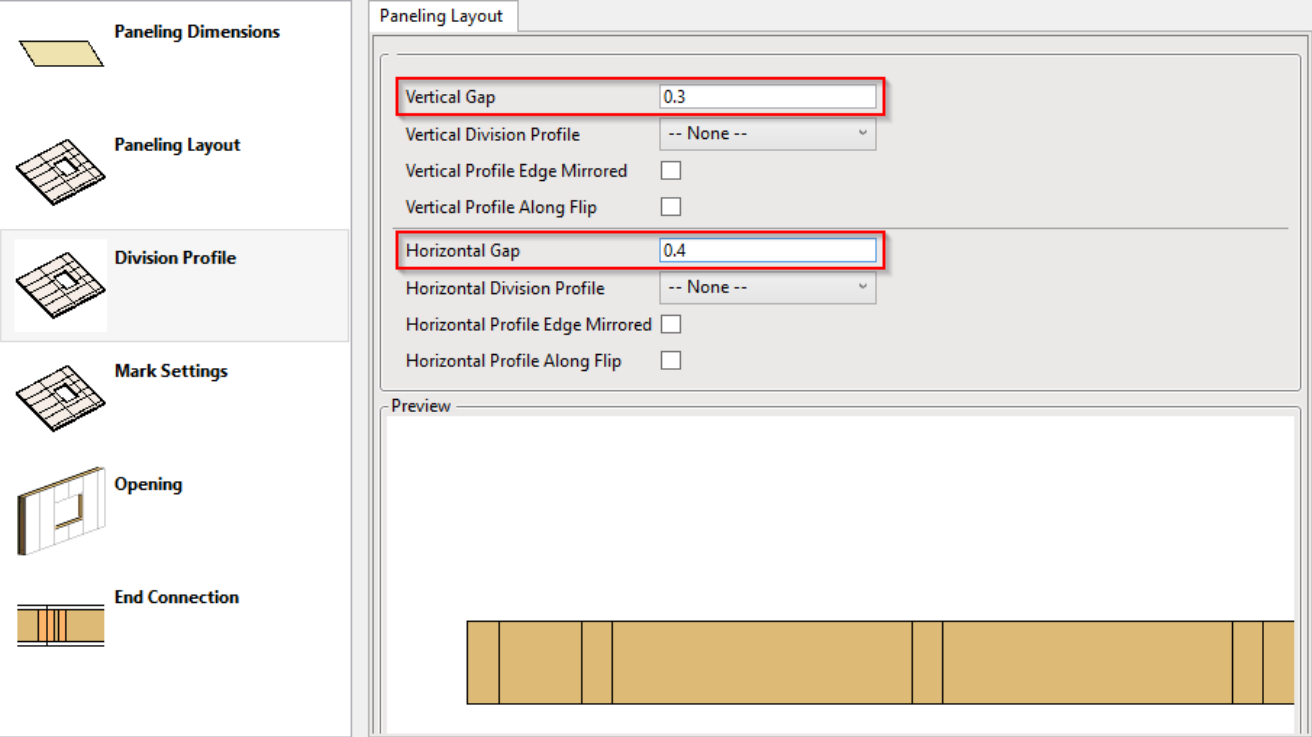
Maximum Spacing:

Minimum Length of Splited Wall:

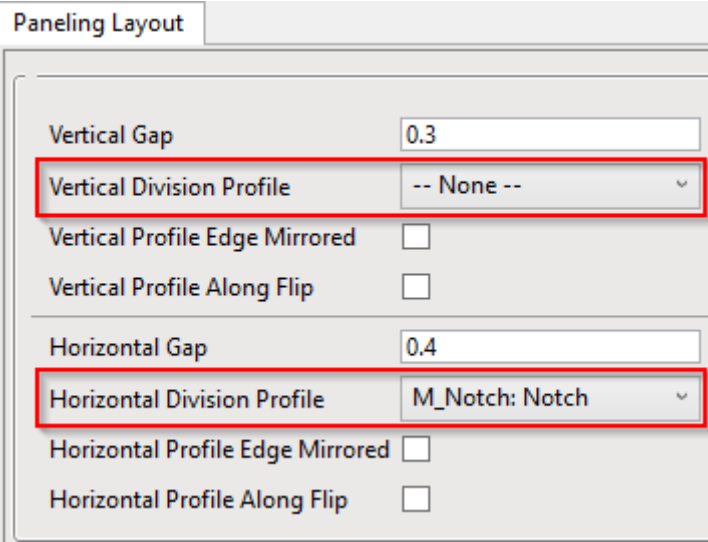
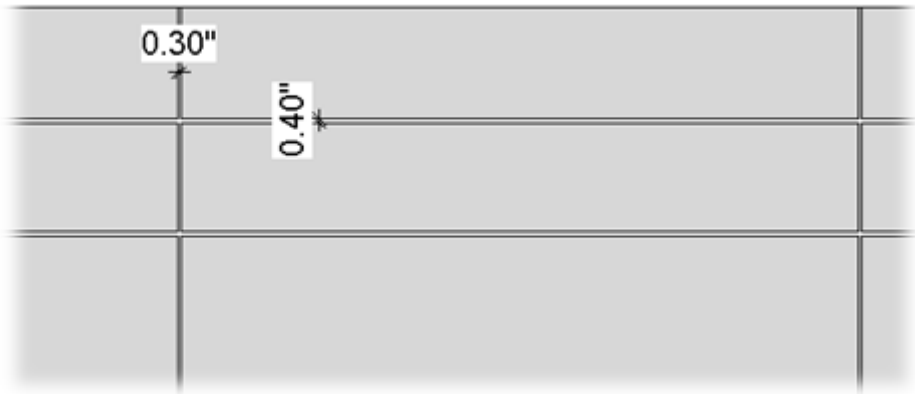
**Special Layout** – place for applying special layout that can't be defined with regular **Paneling Dimensions**. To enable all possible options switch on **Enable Special Layout**.



# Division Profile

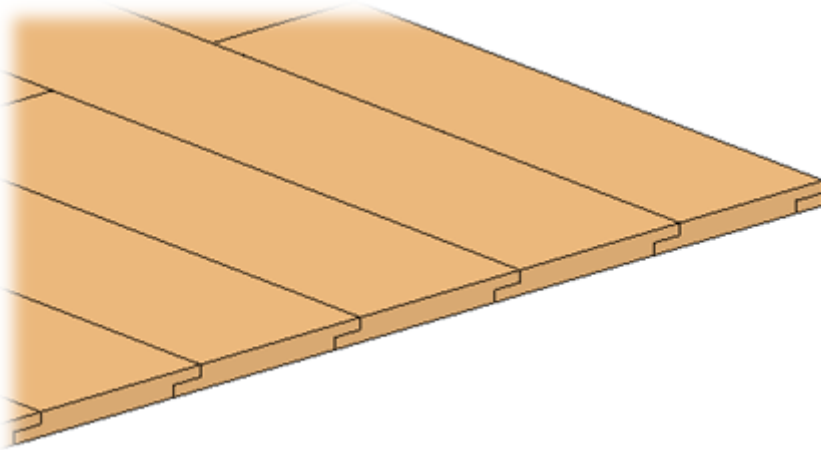


**Horizontal/Vertical Gap** – specifies the distance between divided horizontal and vertical parts. The default value is 0, which results in no gap.  
Note that if **Always Try to Merge Parts** is ticked ON, Gap will not be applicable.





**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.



**Paneling Layout**

Vertical Gap: 0.3

Vertical Division Profile: -- None --

**Vertical Profile Edge Mirrored** ☐

Vertical Profile Along Flip ☐

Horizontal Gap: 0.4

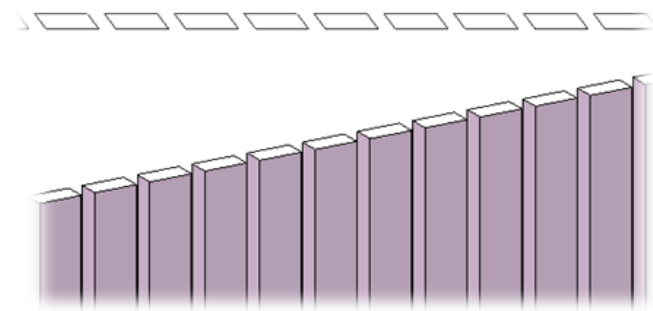
Horizontal Division Profile: M\_Notch: Notch

**Horizontal Profile Edge Mirrored** ☐

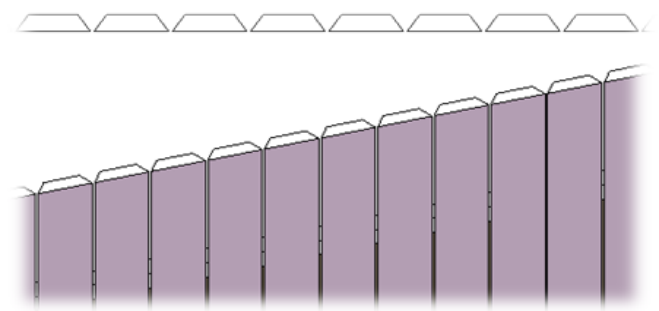
Horizontal Profile Along Flip ☐

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

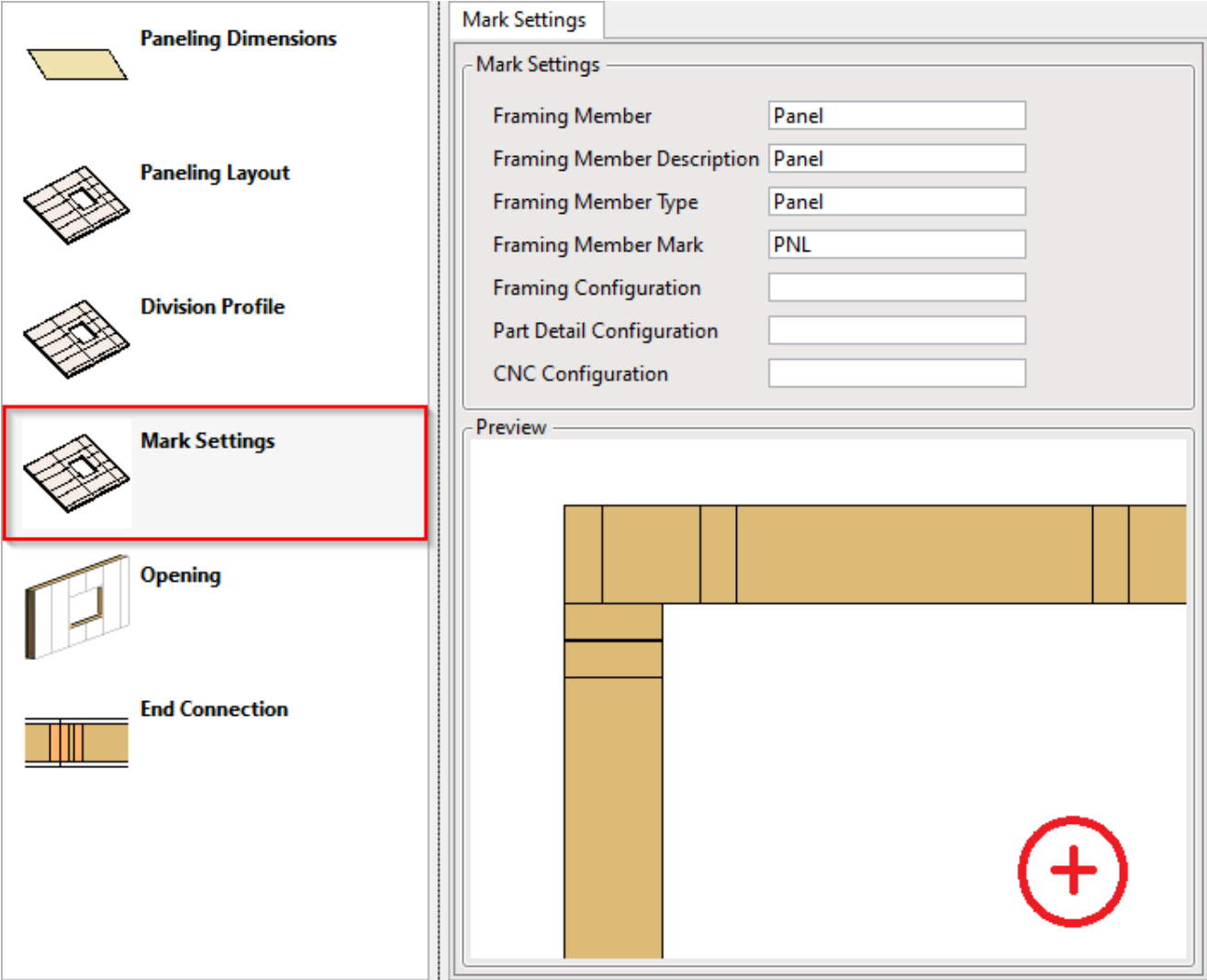
unticked



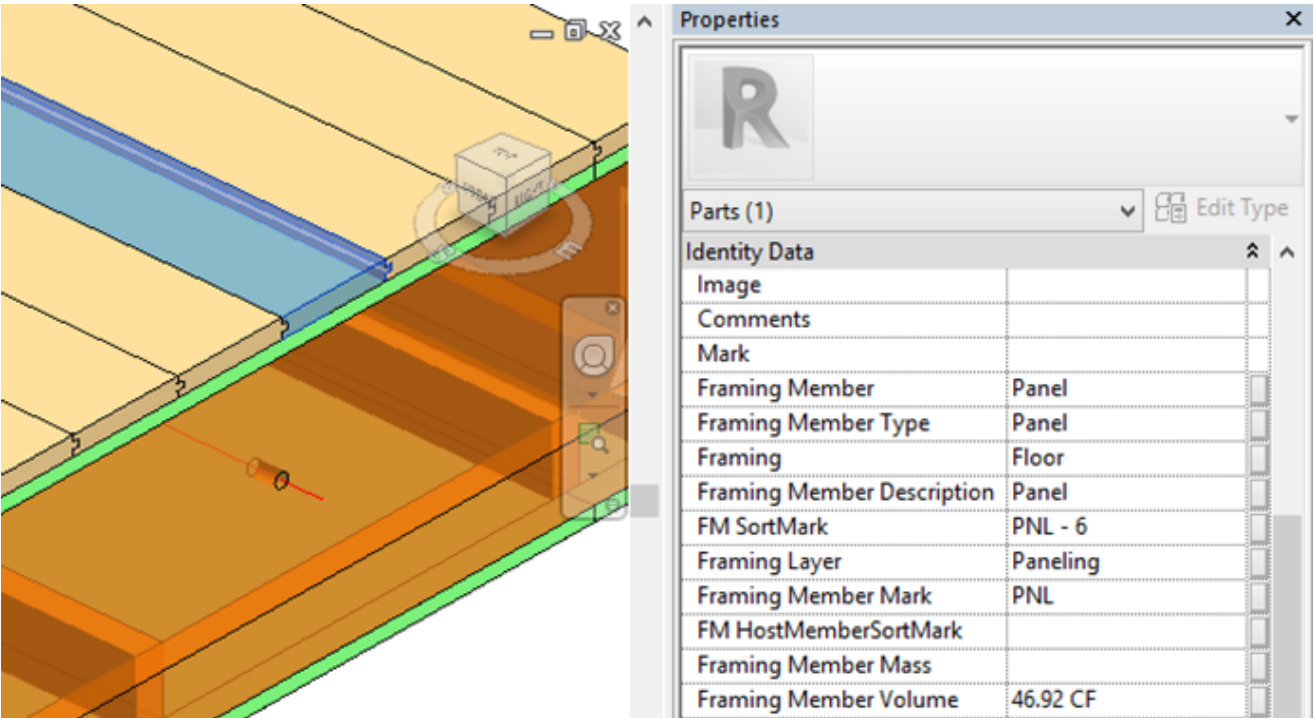
ticked



## Mark Settings



**Mark Settings** – predefine default values for these parameters. The parameters can be later used in schedules and tags.



**Part Detail Configuration** and **Framing Configuration** – you can predefine default configurations to be added to every part.

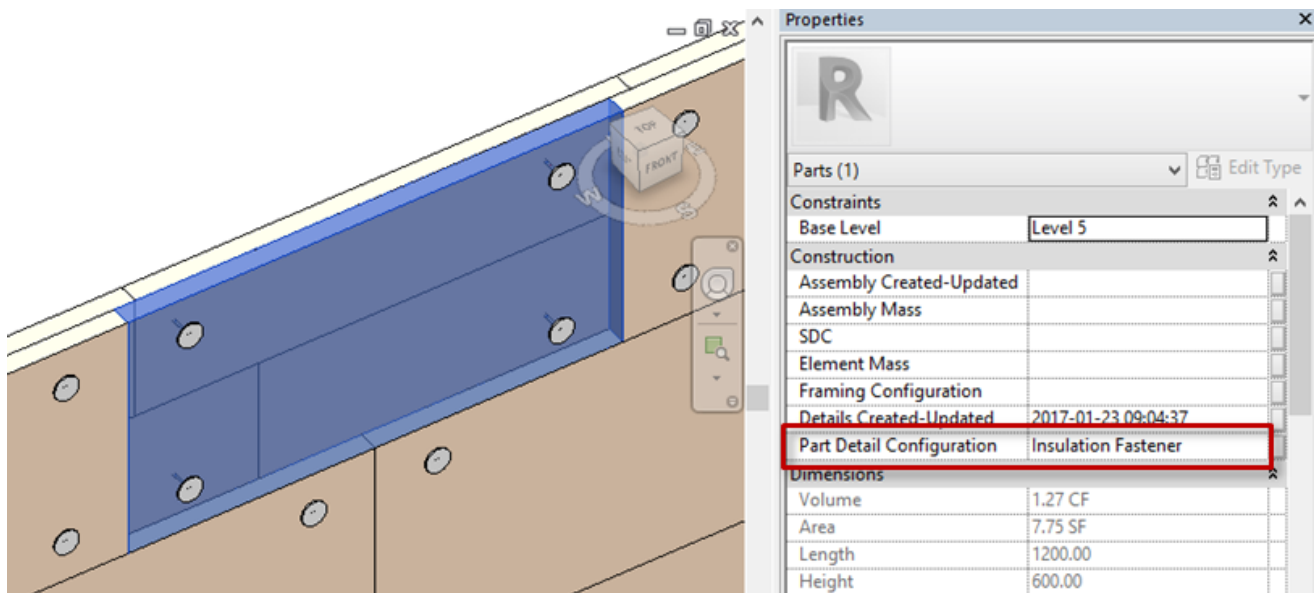
Detail configuration comes from **Smart Details** (<http://www.aga-cad.com/products/bim-solutions/smart-details>). **Smart Details** can instantly add any number of face-specific intelligent details – which adapt to host-element changes – throughout BIM models.

*Example: Insulation fasteners are automatically added to every insulation:*

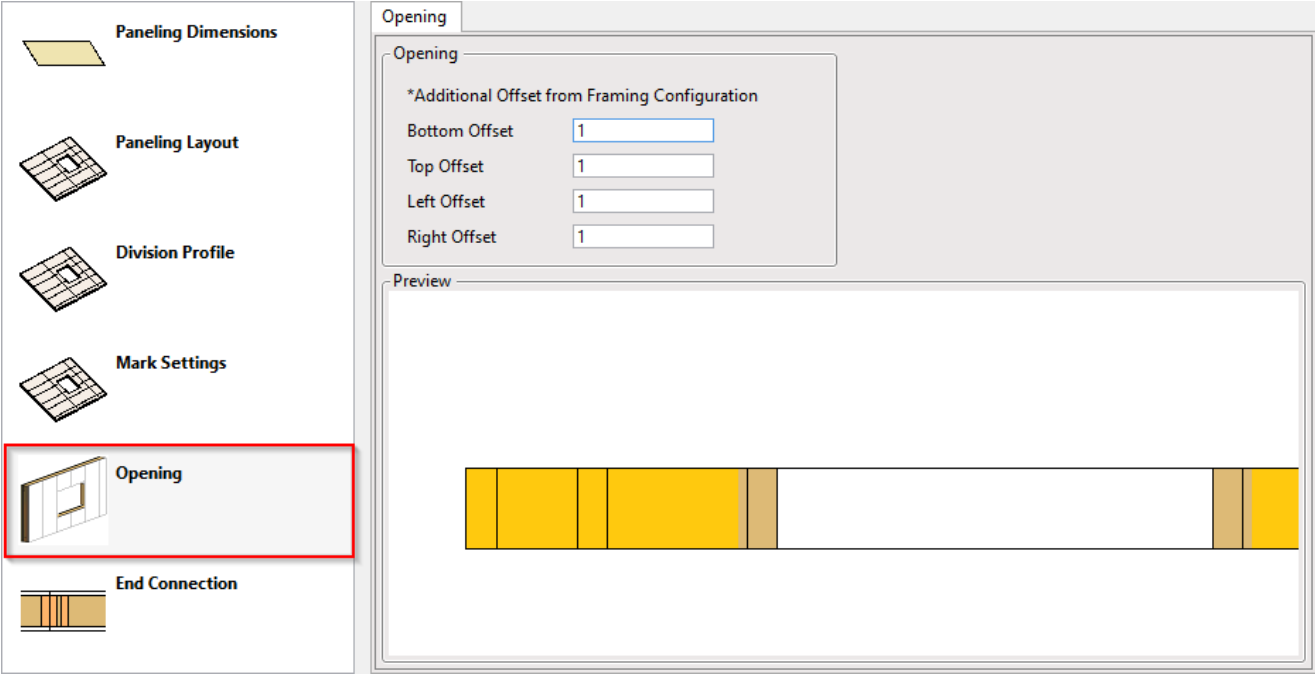
Mark Settings

Mark Settings

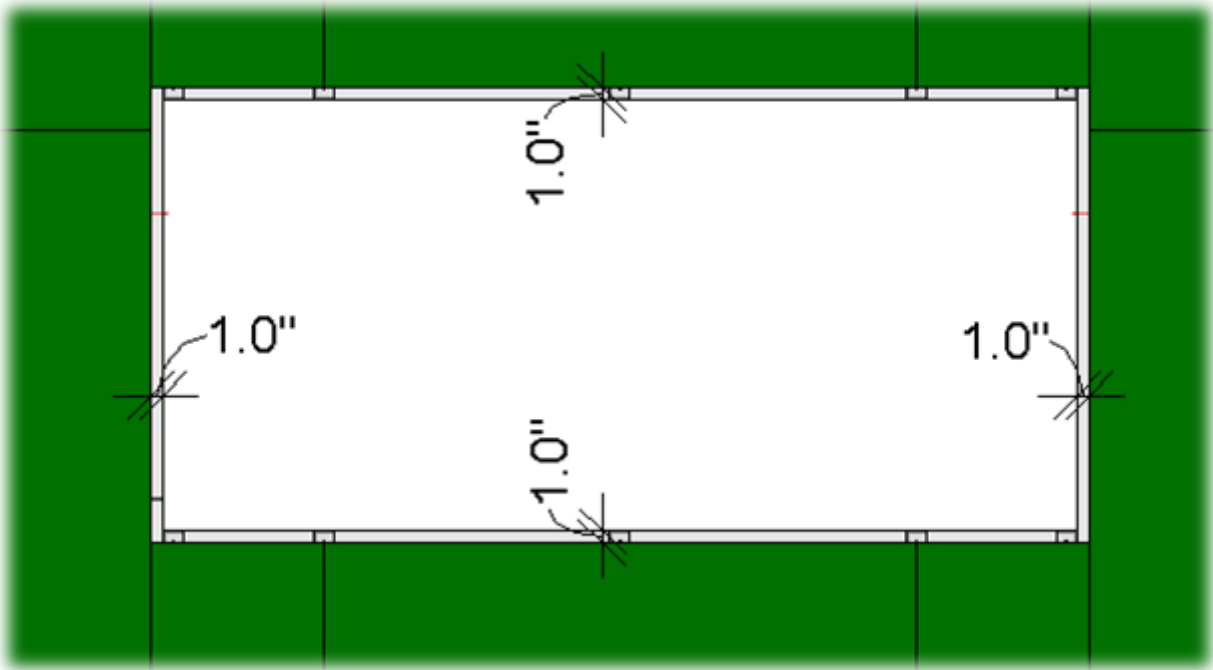
Framing Member	External Panel
Framing Member Description	External Panel
Framing Member Type	External Panel
Framing Member Mark	EP
Framing Configuration	
Part Detail Configuration	Insulation Fastener



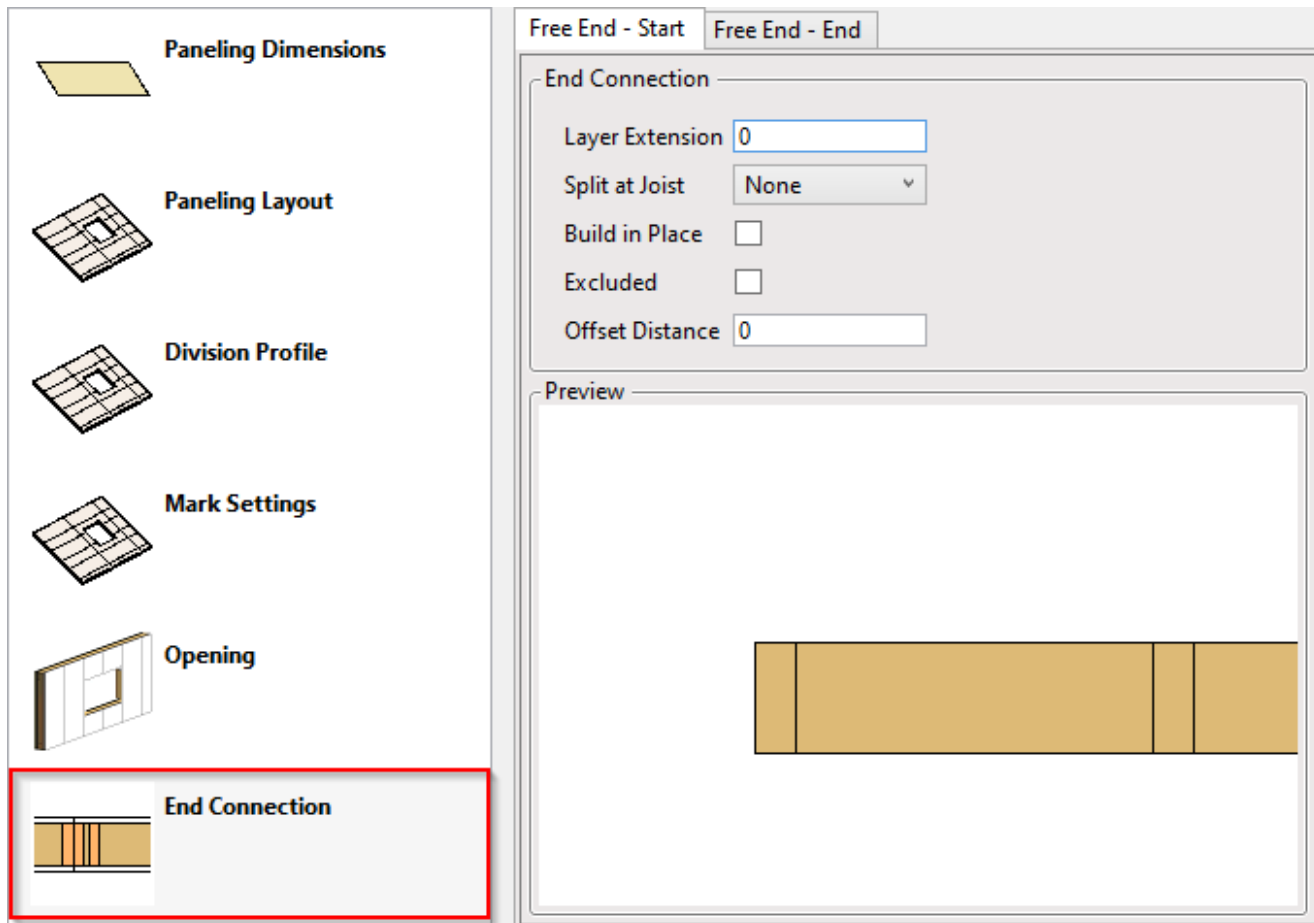
## Opening



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



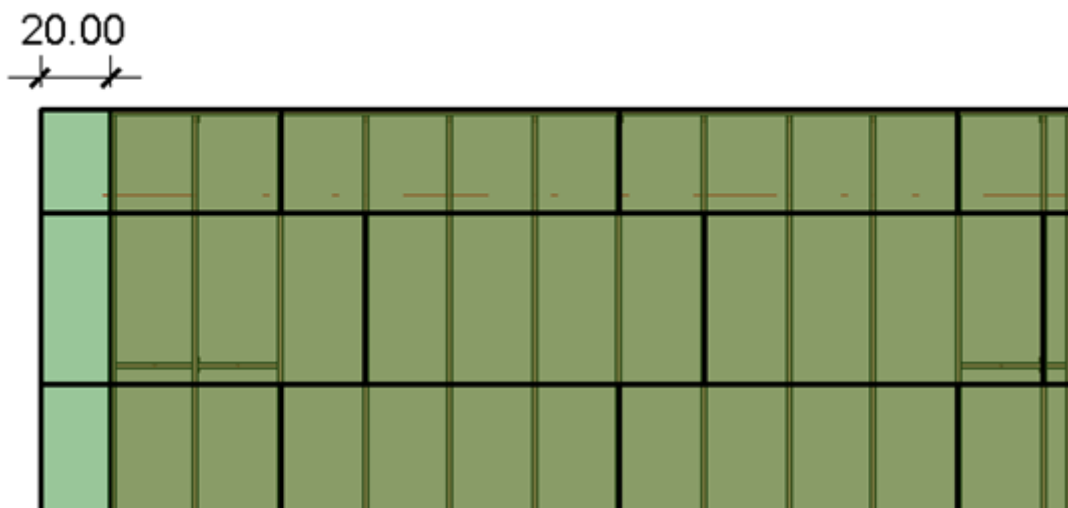
**End Connection**



**End Connection** – predefine paneling settings for floor end connections.

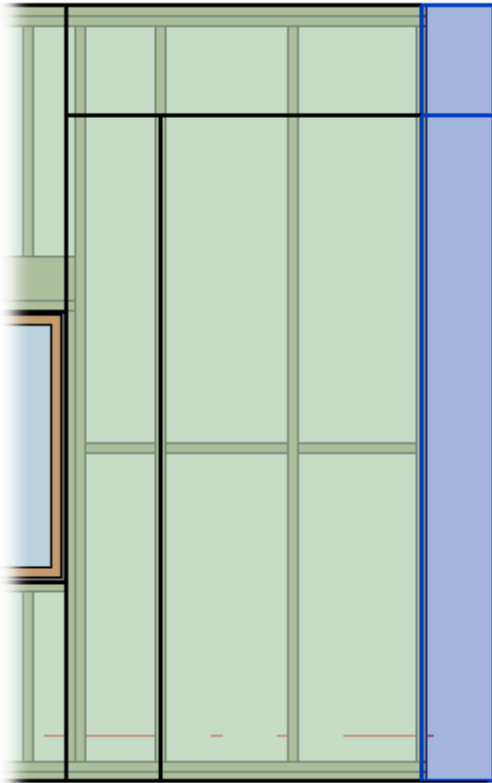
**Layer Extension** – distance from a floor face.

*Example: For the free end connection **Layer Extension** = 20:*

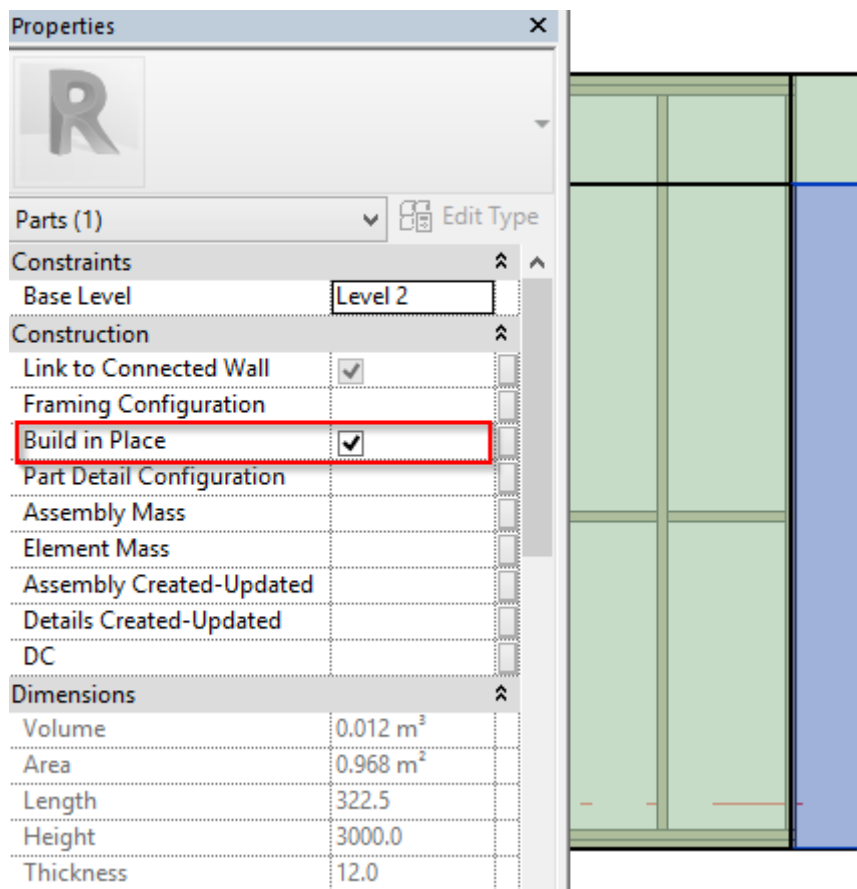


**Split at Joist** – define the joist number where the panel must be split.

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



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



**Excluded** – removes the panel (part) from the model. Excluded panels are only visible when under the cursor and will not be included in schedules.

Properties

R

Parts (1)

Constraints

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 m<sup>3</sup>

Area

0.968 m<sup>2</sup>

Length

322.5

Height

3000.0

Thickness

12.0

Excluded

Shape is modified

Identity Data

