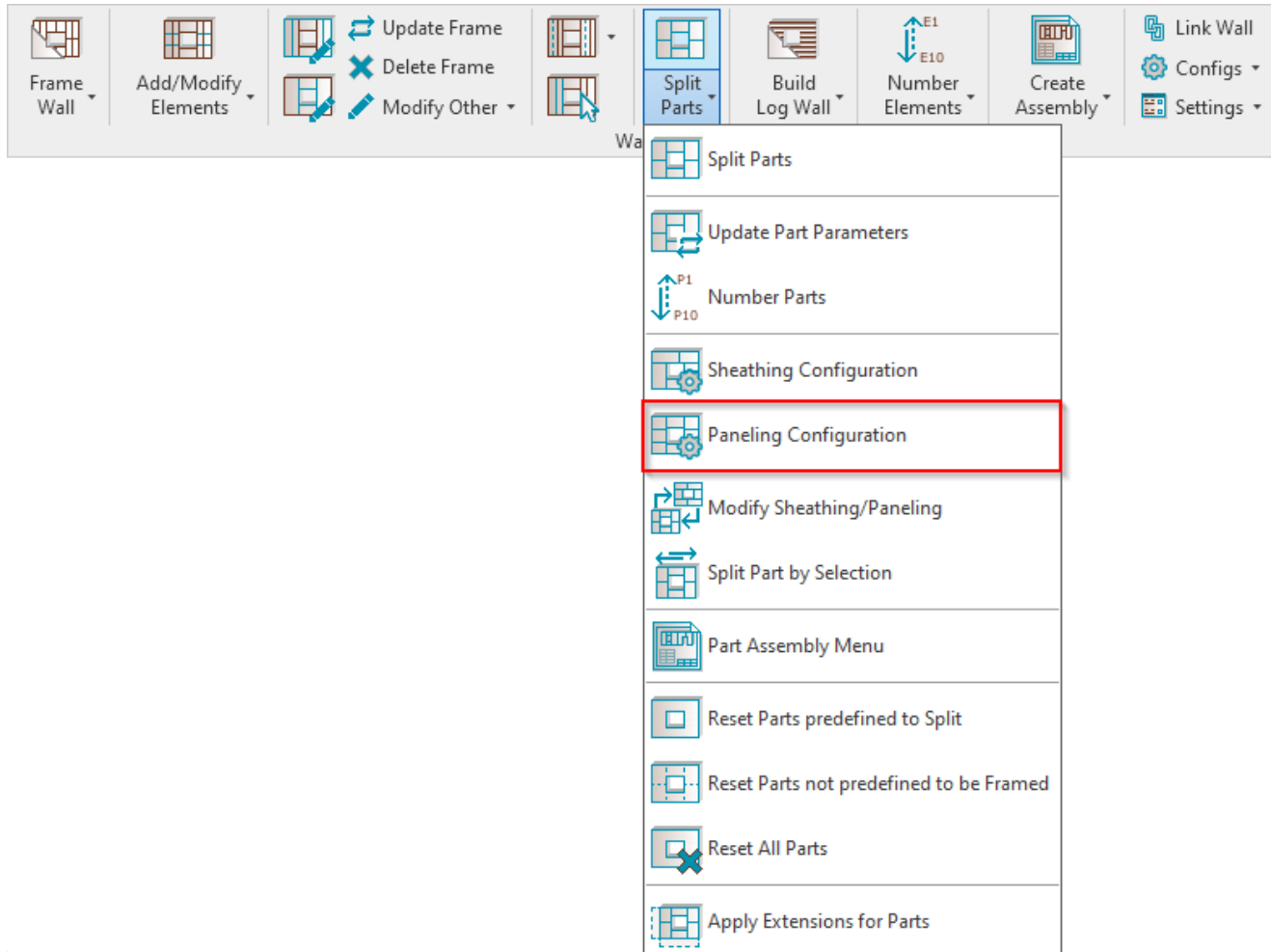


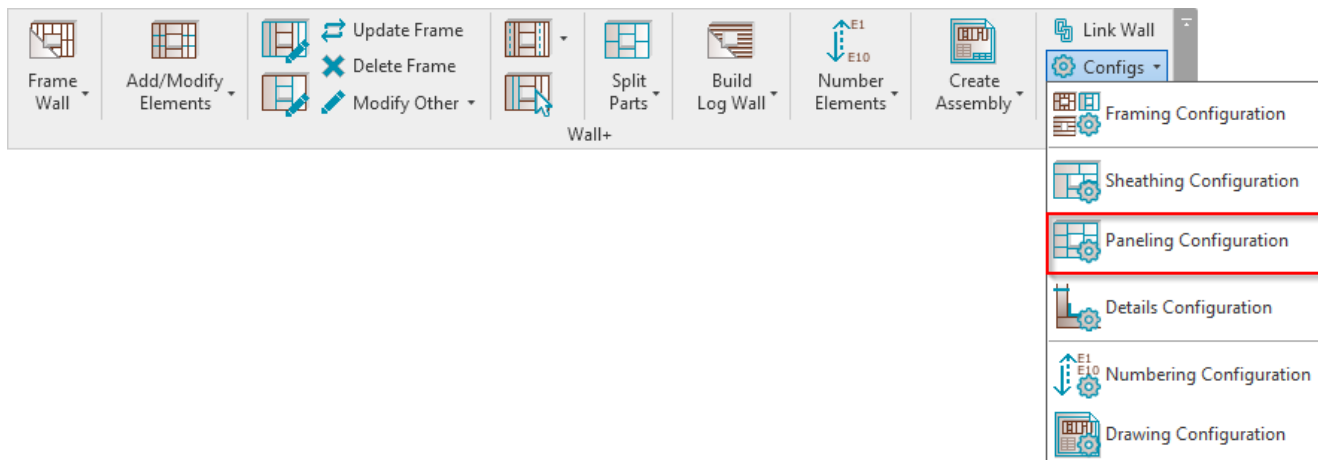
SHEATHING and PANELING LAYOUTS – Paneling Configuration

Modified on: Sun, 3 Jan, 2021 at 7:02 PM

Paneling Configuration



or:



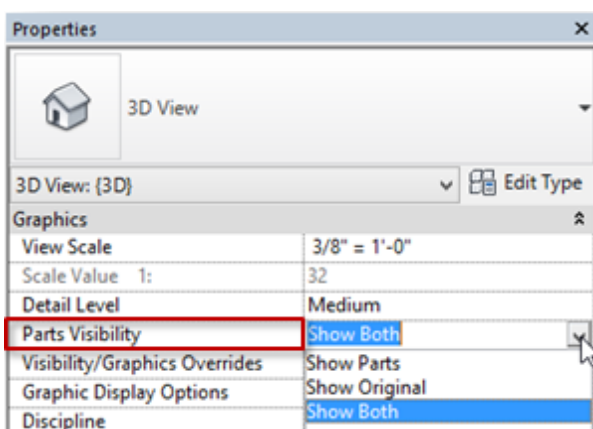
Paneling Configuration – allows you to configure and save settings for the paneling layouts. These settings can be saved and linked with wall layer using Link Wall. By using this configuration, you can model insulation and ventilated facades in your Revit project!

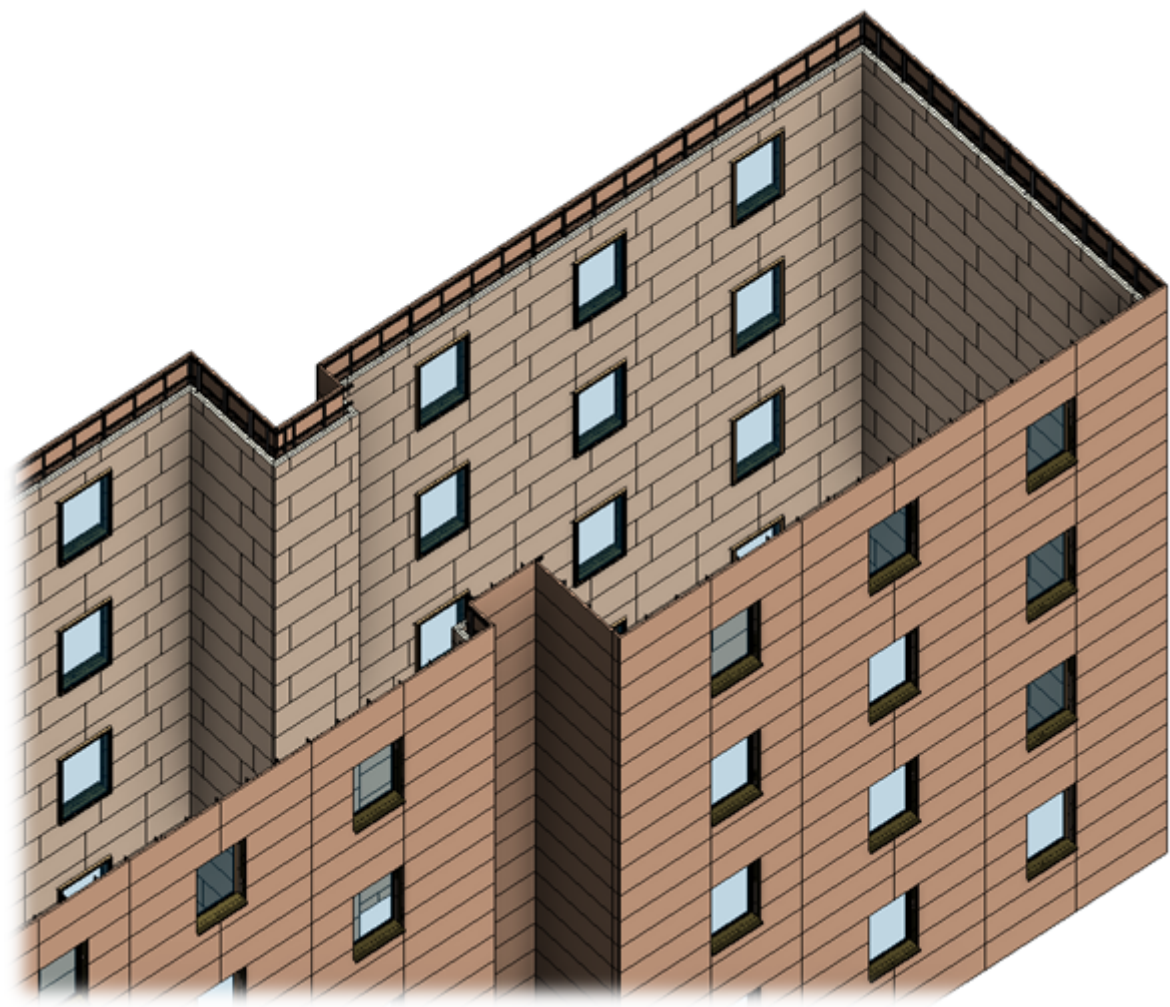
A ventilated facade is designed so that panels – often made of technical ceramics or porcelain – cover the building's exterior, leaving a space for air to flow between the structural wall and the facade, creating a chimney effect all around the building.



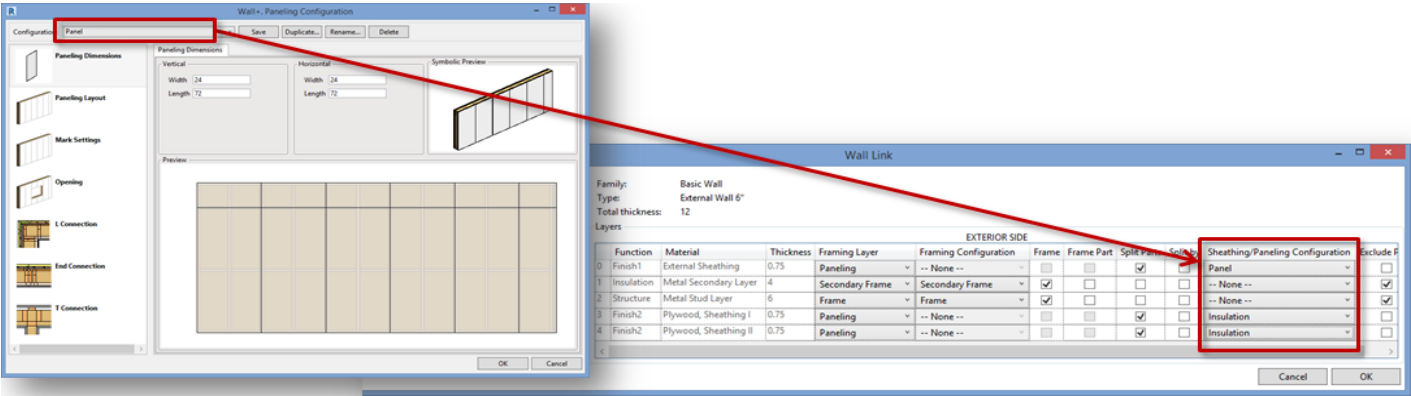
Using Paneling Configuration you can predefine insulation and external paneling setting for your Revit project.

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.

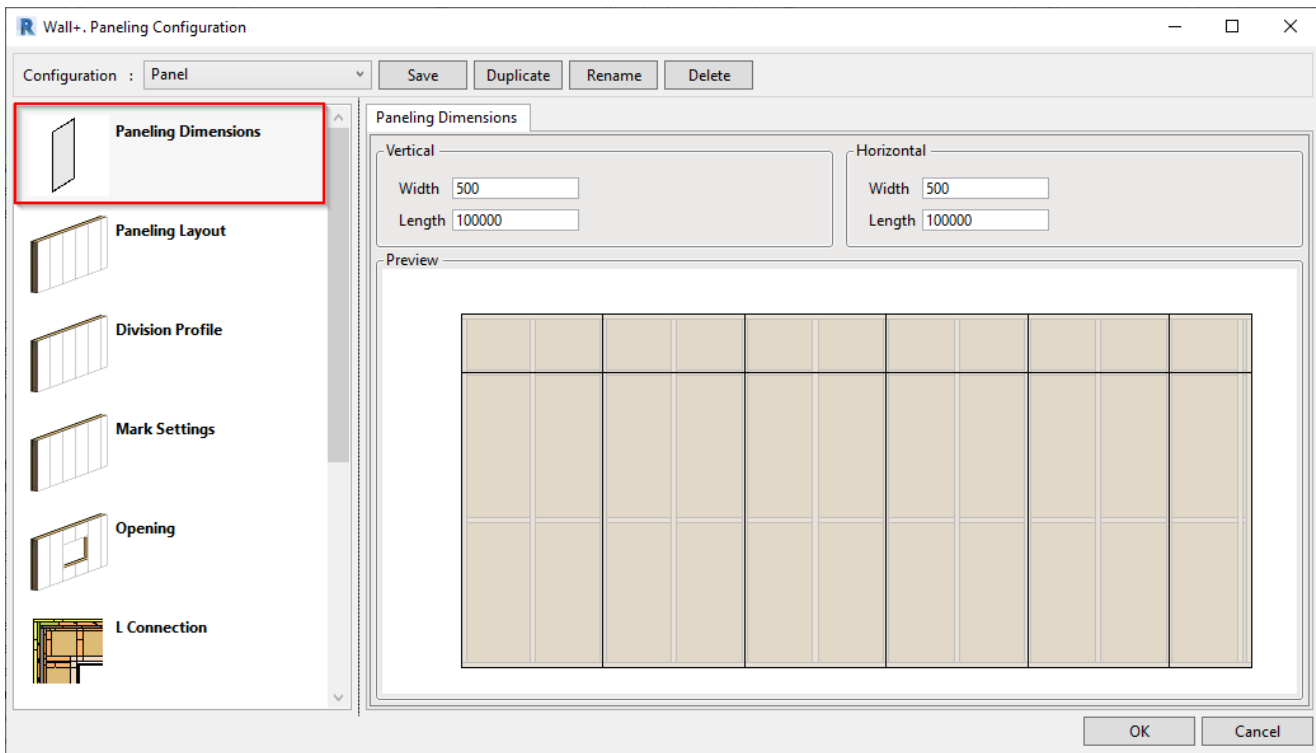




These settings can be saved and linked with wall layer using Link Wall.

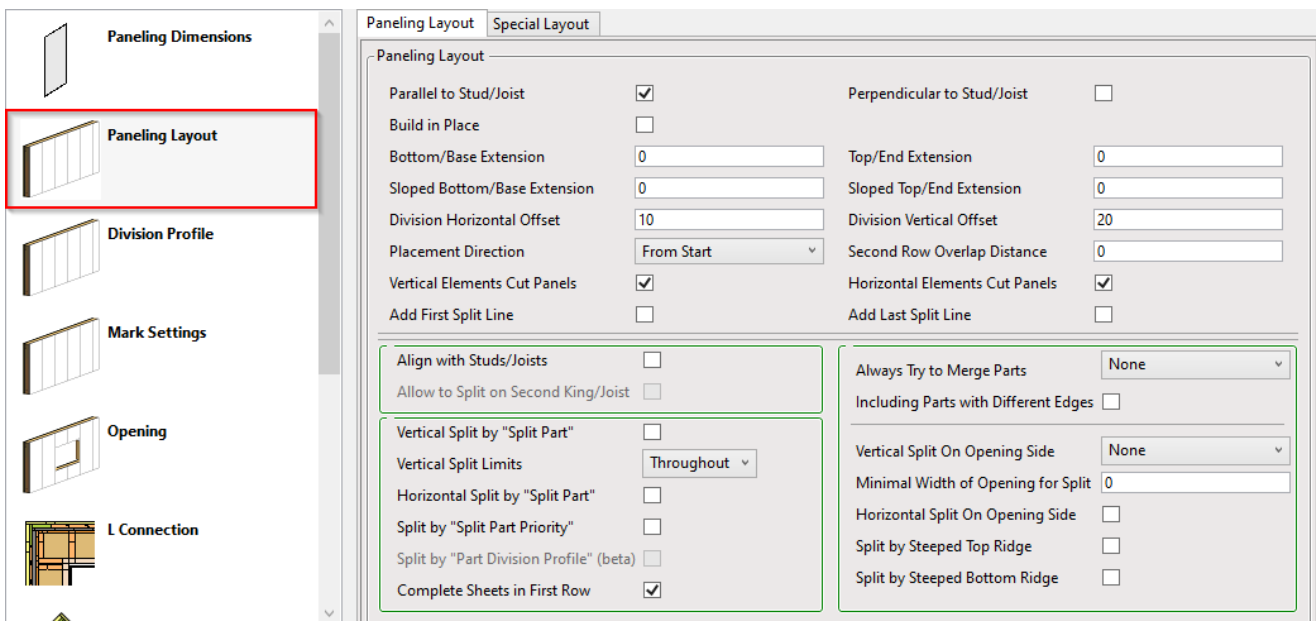


Paneling Dimensions



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

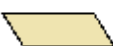
Paneling Layout





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>)

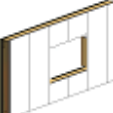
Special Layout

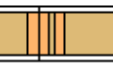

Paneling Dimensions


Paneling Layout


Division Profile


Mark Settings


Opening


End Connection

Paneling Layout
Special Layout

Split Settings

Enable Special Layout ☒

Split Type Split from start

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

Split by Openings

Window

Minimal Distance from Window 300

Minimum Window Width 0

Door

Minimal Distance from Door 100

Minimum Door Width 0

Generic Openings

Minimal Distance from Generic Opening 100

Minimum Generic Opening Width 0

System Openings

Minimal Distance from System Opening 200

Minimum System Opening Width 0

☒ Fit opening in complete split segment

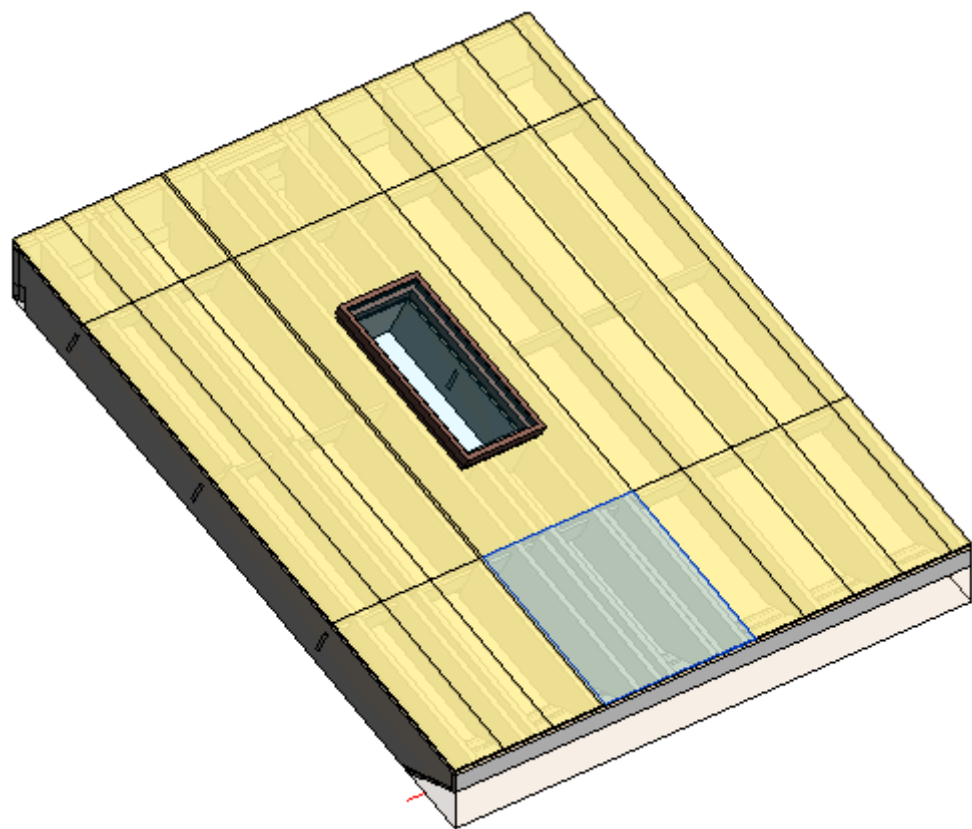
Split Spacing

Spacing 3000

Maximum Spacing 0

Minimum Length of Split Wall 0

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**.



Split Type – all possible layout rule.

Division Profile

Paneling Dimensions

Paneling Layout

Division Profile

Mark Settings

Opening

L Connection

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

-- None --

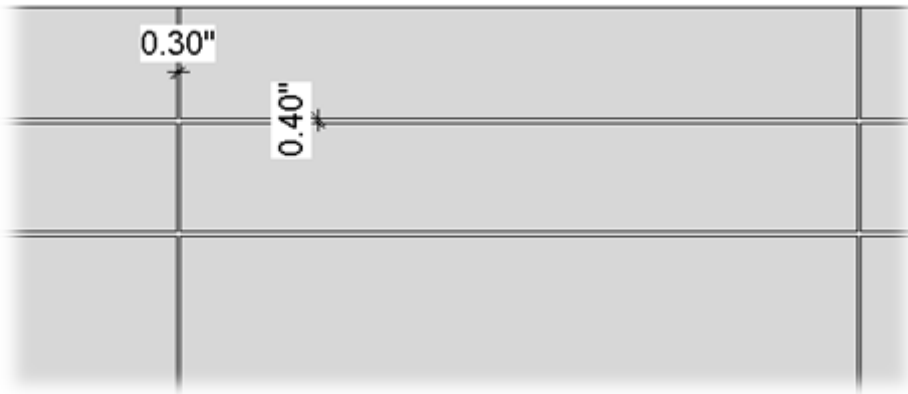
Horizontal Profile Edge Mirrored☐

Horizontal Profile Along Flip☐

Preview

Horizontal/Vertical Gap – specifies the distance between divided horizontal and vertical parts. The default value is 0, which results in no gap.

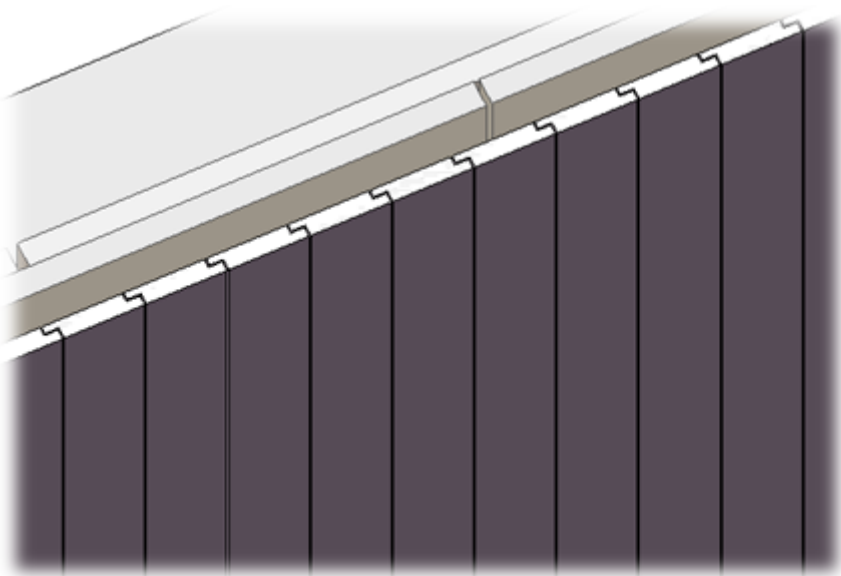
Note that if **Always Try to Merge Parts** is ticked ON, Gap will not be applicable.



Paneling Layout

Vertical Gap	0.3
Vertical Division Profile	-- None --
Vertical Profile Edge Mirrored	<input type="checkbox"/>
Vertical Profile Along Flip	<input type="checkbox"/>
Horizontal Gap	0.4
Horizontal Division Profile	M_Notch: Notch
Horizontal Profile Edge Mirrored	<input type="checkbox"/>
Horizontal Profile Along Flip	<input type="checkbox"/>

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 Gap0.3

Vertical Division Profile-- None --

Vertical Profile Edge Mirrored☐

Vertical Profile Along Flip☐

Horizontal Gap0.4

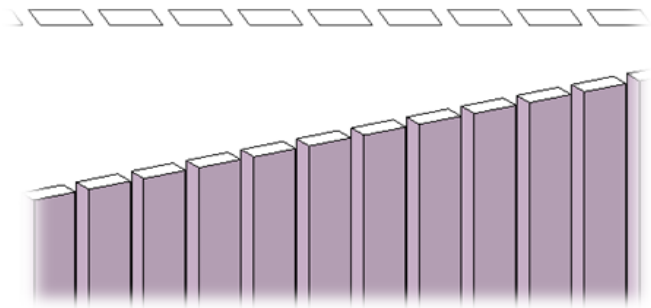
Horizontal Division ProfileM_Notch: Notch

Horizontal Profile Edge Mirrored☐

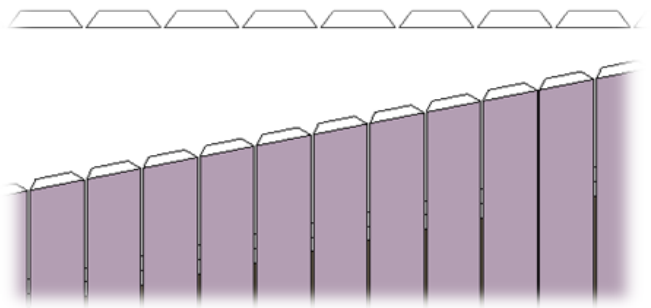
Horizontal Profile Along Flip☐

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

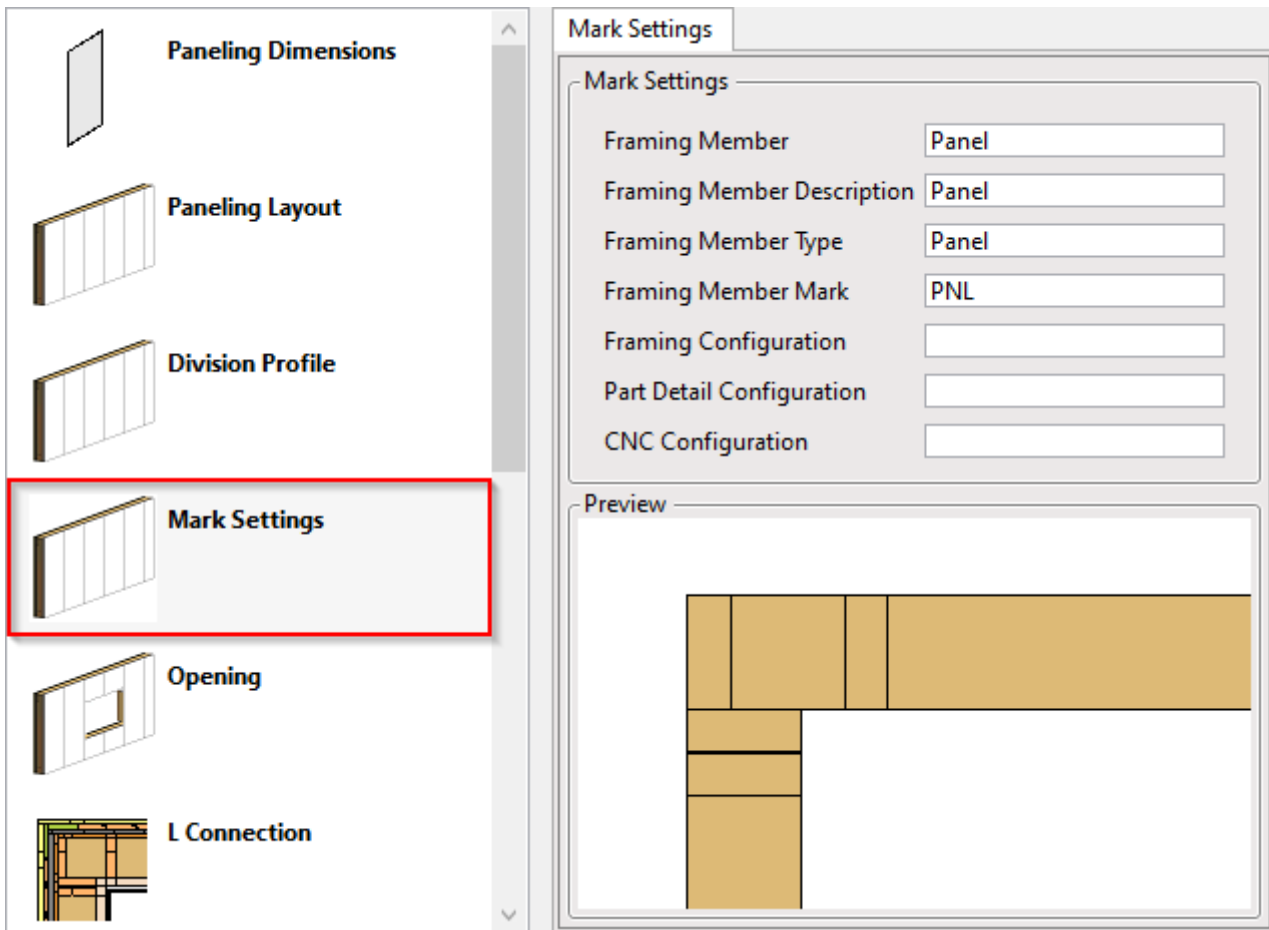
unticked



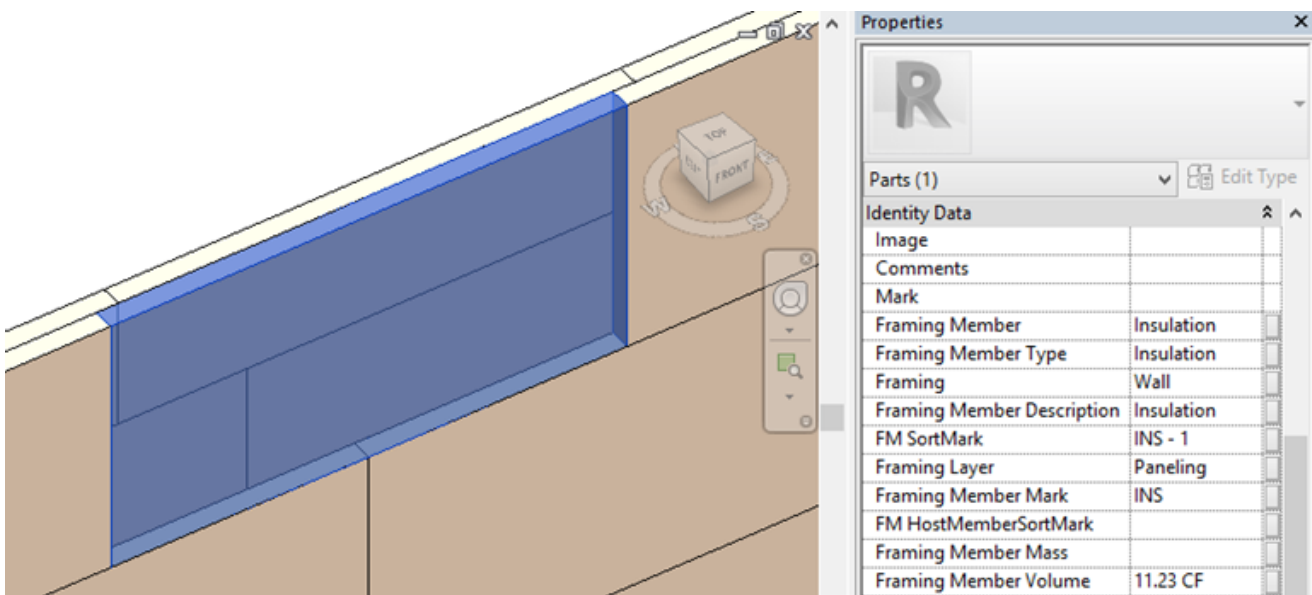
ticked



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.

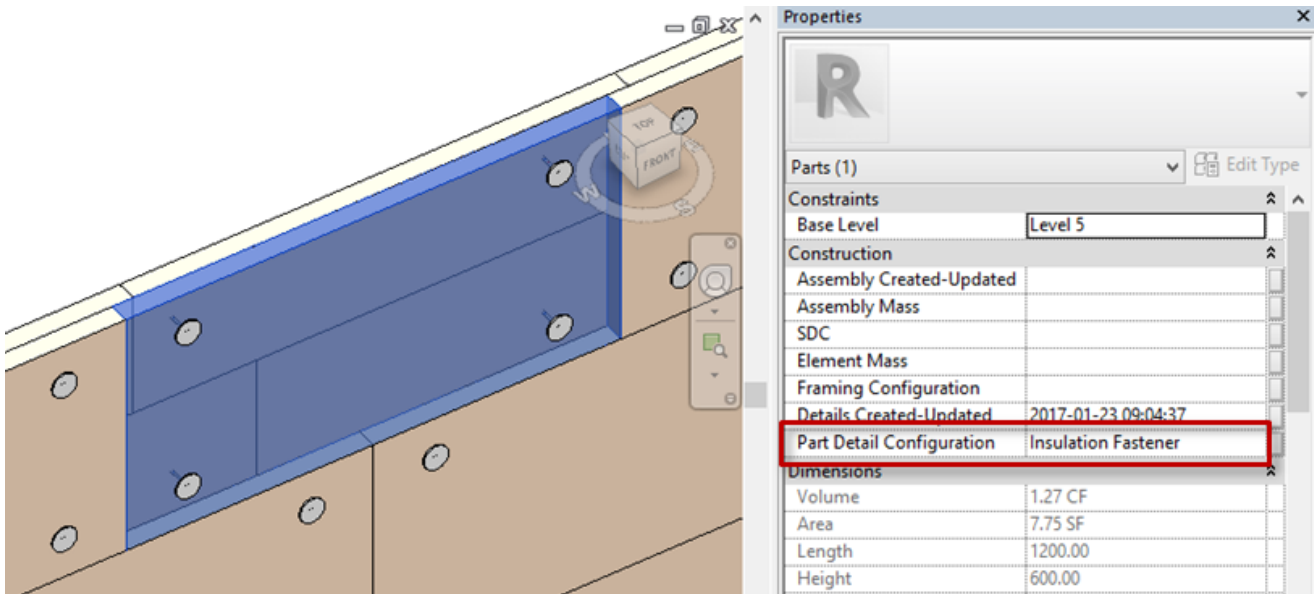
Detail configuration comes from **Smart Details** (<http://www.aga-cad.com/products/bim-solutions/smart-details>). **Smart Details** can instantly add any number of face-specific intelligent details – which adapt to host-element changes – throughout BIM models.

Example: Insulation fasteners are automatically added to every insulation:

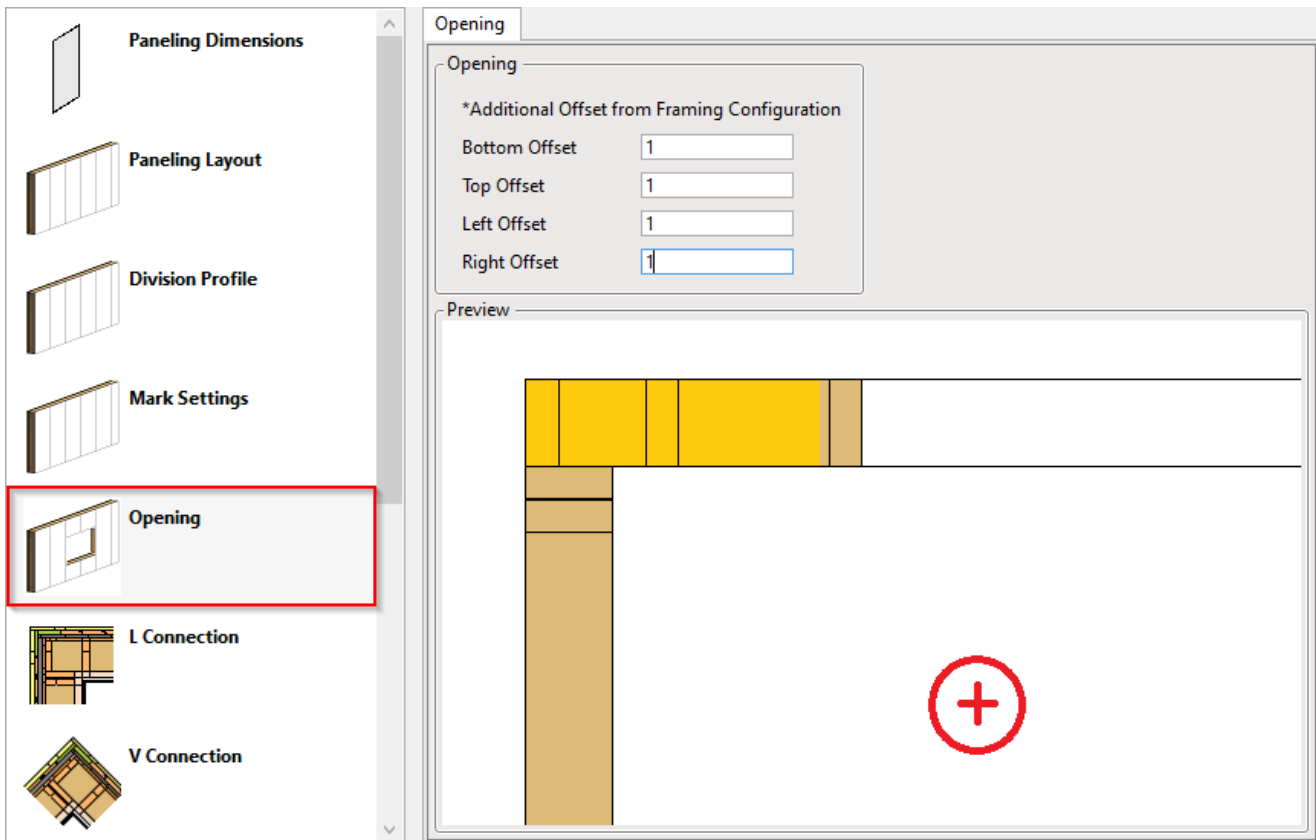
Mark Settings

Mark Settings

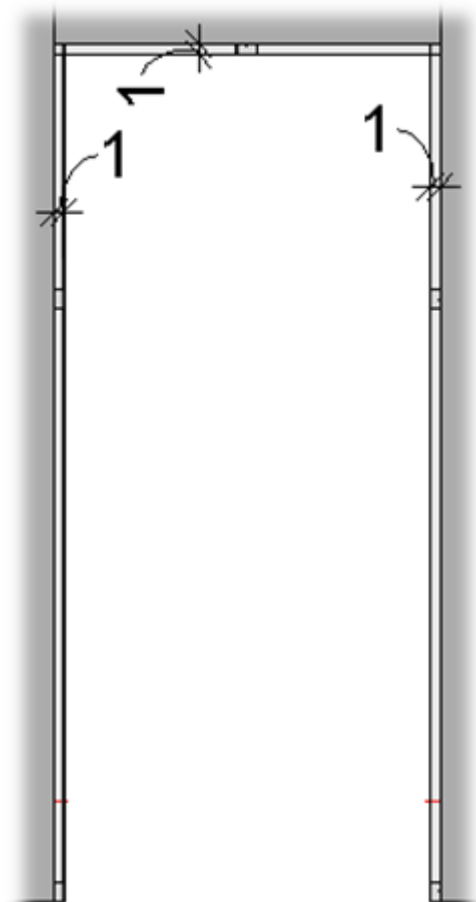
Framing Member	External Panel
Framing Member Description	External Panel
Framing Member Type	External Panel
Framing Member Mark	EP
Framing Configuration	
Part Detail Configuration	Insulation Fastener



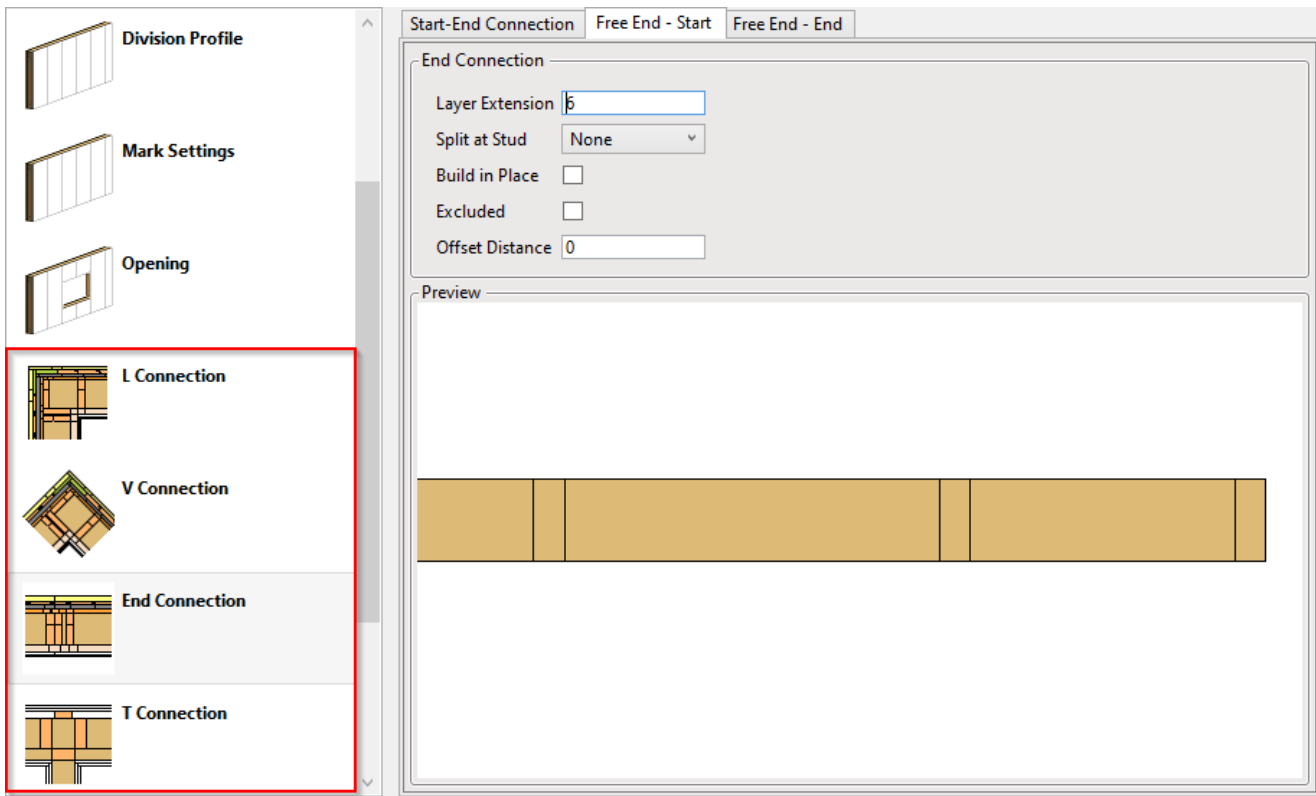
Opening



Opening – predefine top, bottom, left, and right paneling offsets from the window, door, or MEP opening.



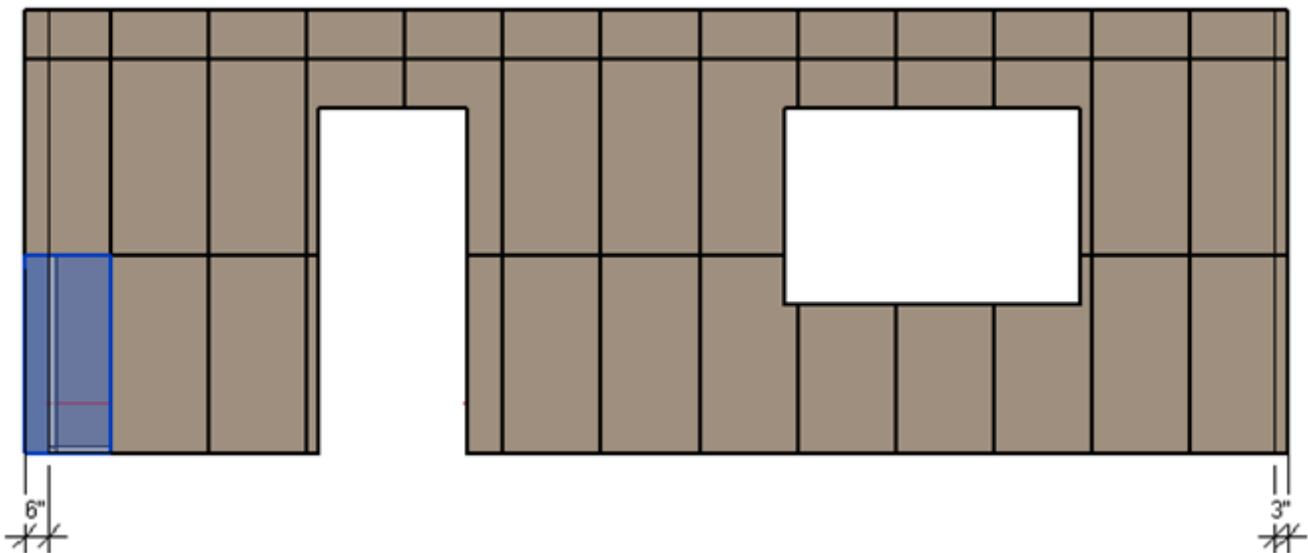
L Connection, V Connection, End Connection, T Connection



L Connection, V Connection, End Connection, T Connection – predefine paneling settings for different wall connections.

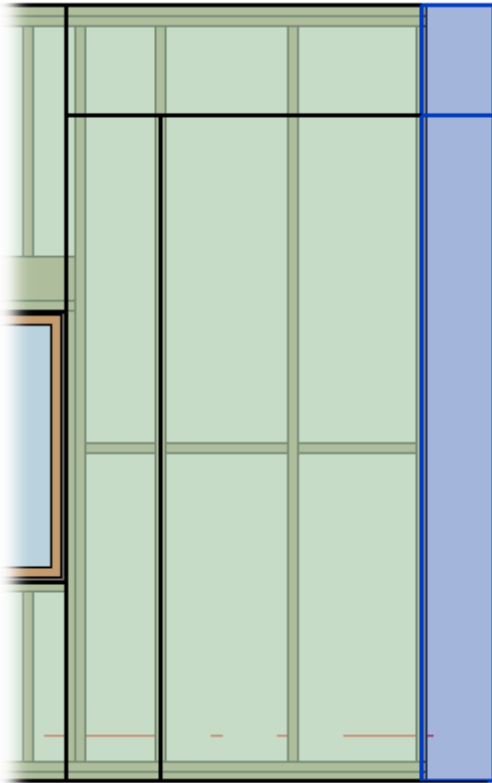
Layer Extension – distance from a wall face.

*Example: For the free end connection **Layer Extension** = 6:*

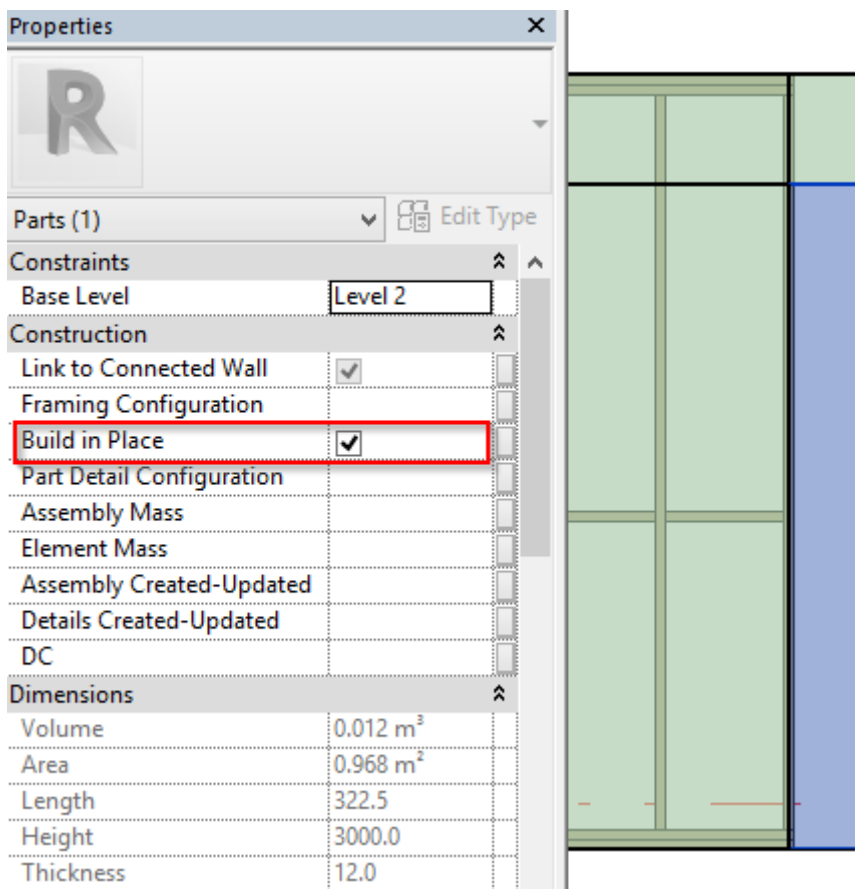


Split at Stud – define the number of stud where the panel must be split.

*Example: **Split at Stud** = 1:*



Build in Place – writes Yes/No information into the panel instance parameter if it is build-in-place or is prefabricated together with whole wall 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 m³

Area

0.968 m²

Length

322.5

Height

3000.0

Thickness

12.0

Excluded

Shape is modified

Identity Data

