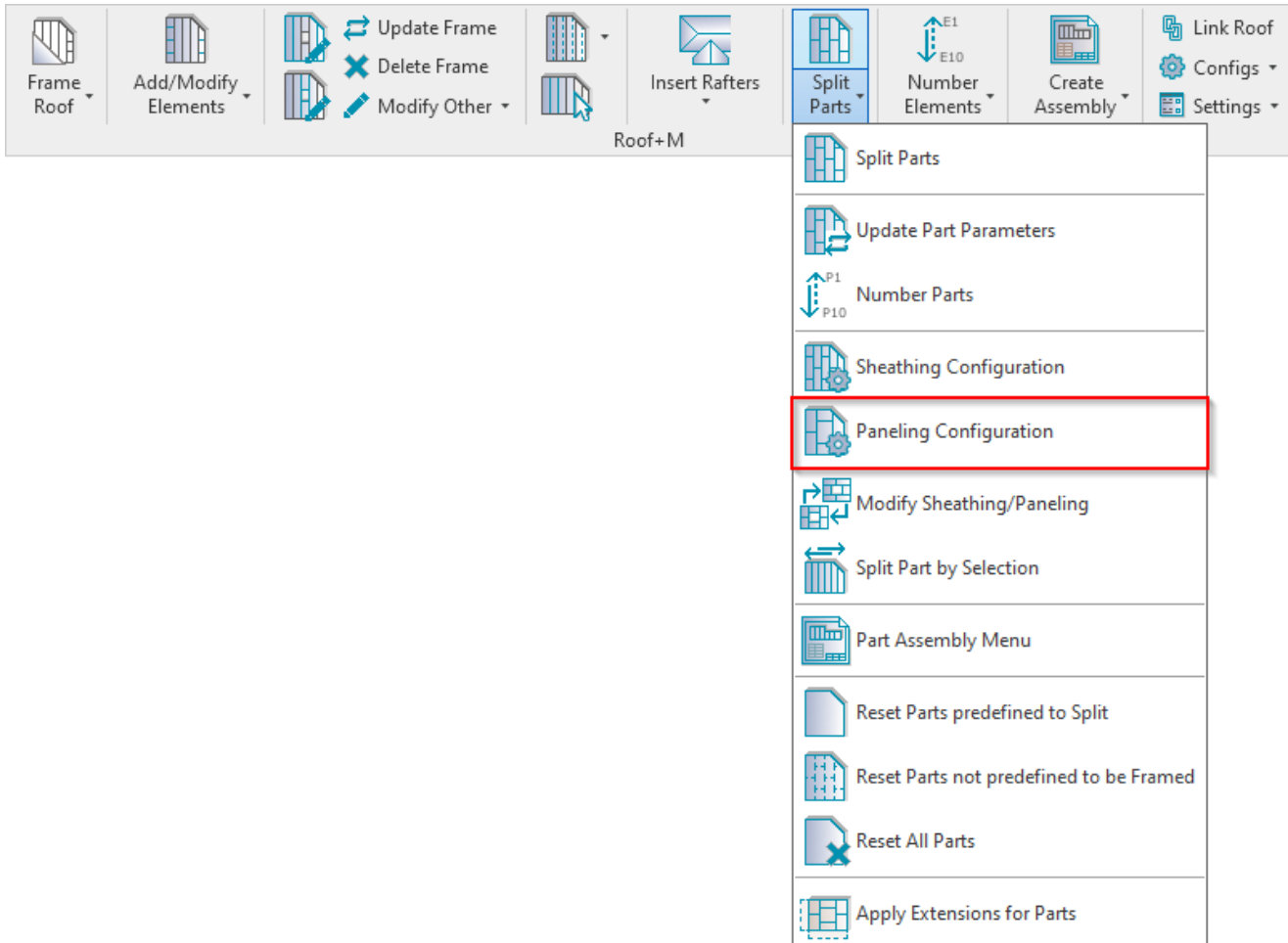


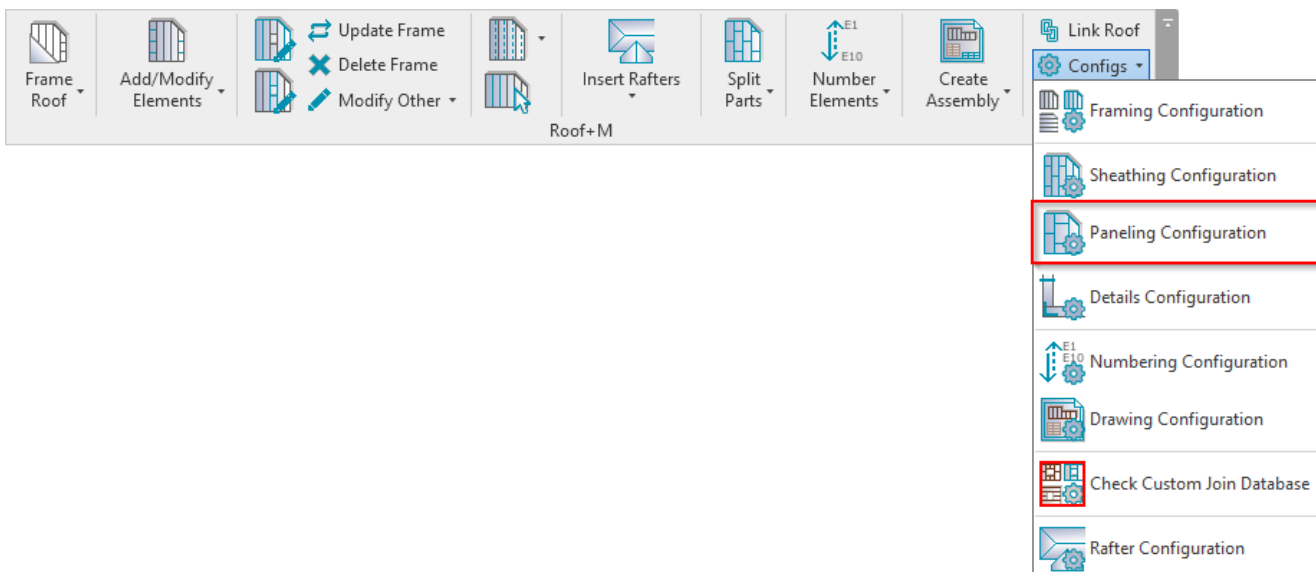
SHEATHING and PANELING LAYOUTS – Paneling Configuration

Modified on: Sun, 17 Jan, 2021 at 6:48 PM

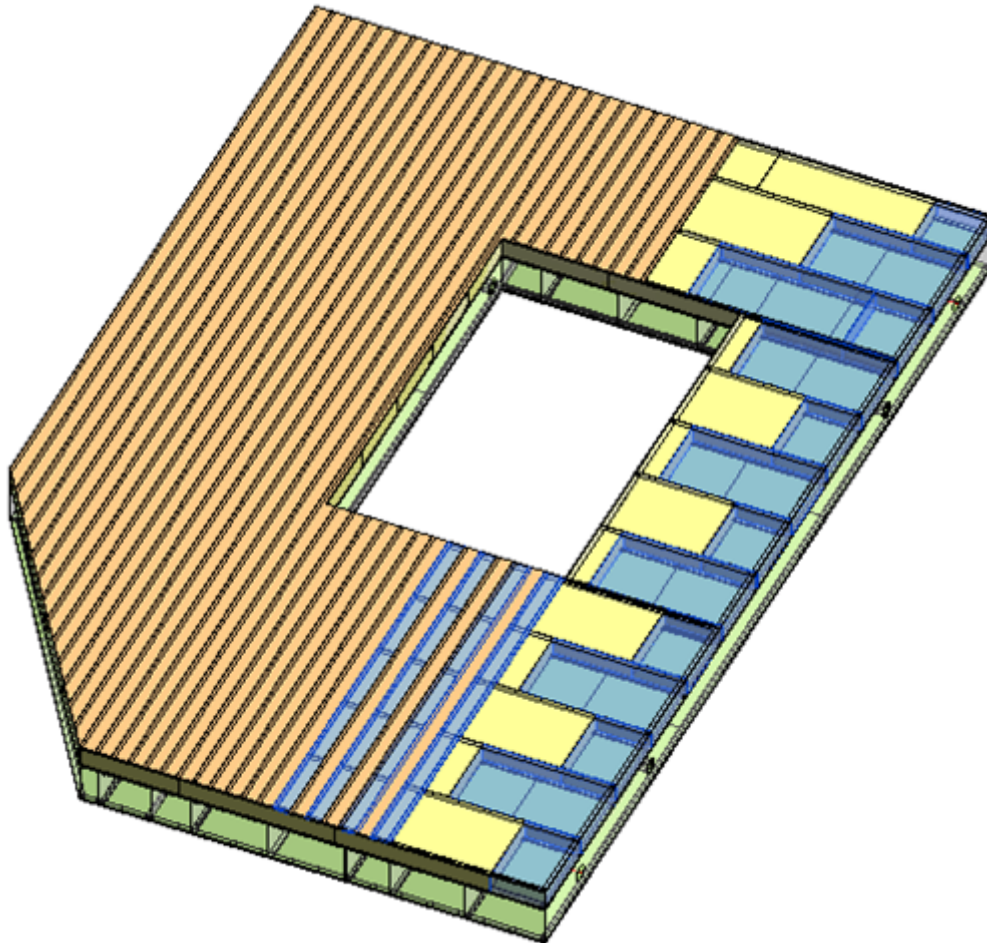
Paneling Configuration



OR:

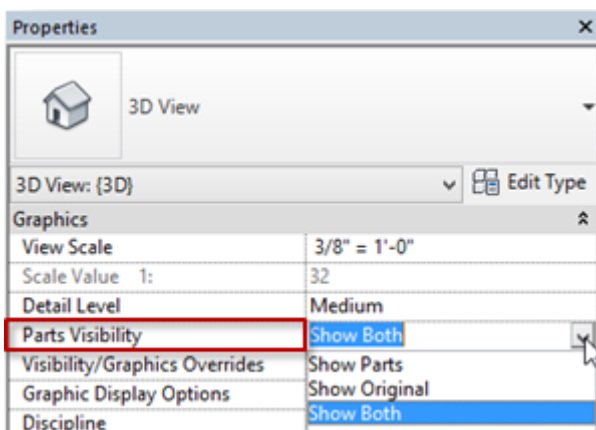


Paneling Configuration – allows you to configure and save settings for the paneling layouts. These settings can be saved and linked with roof layer using Link Roof.

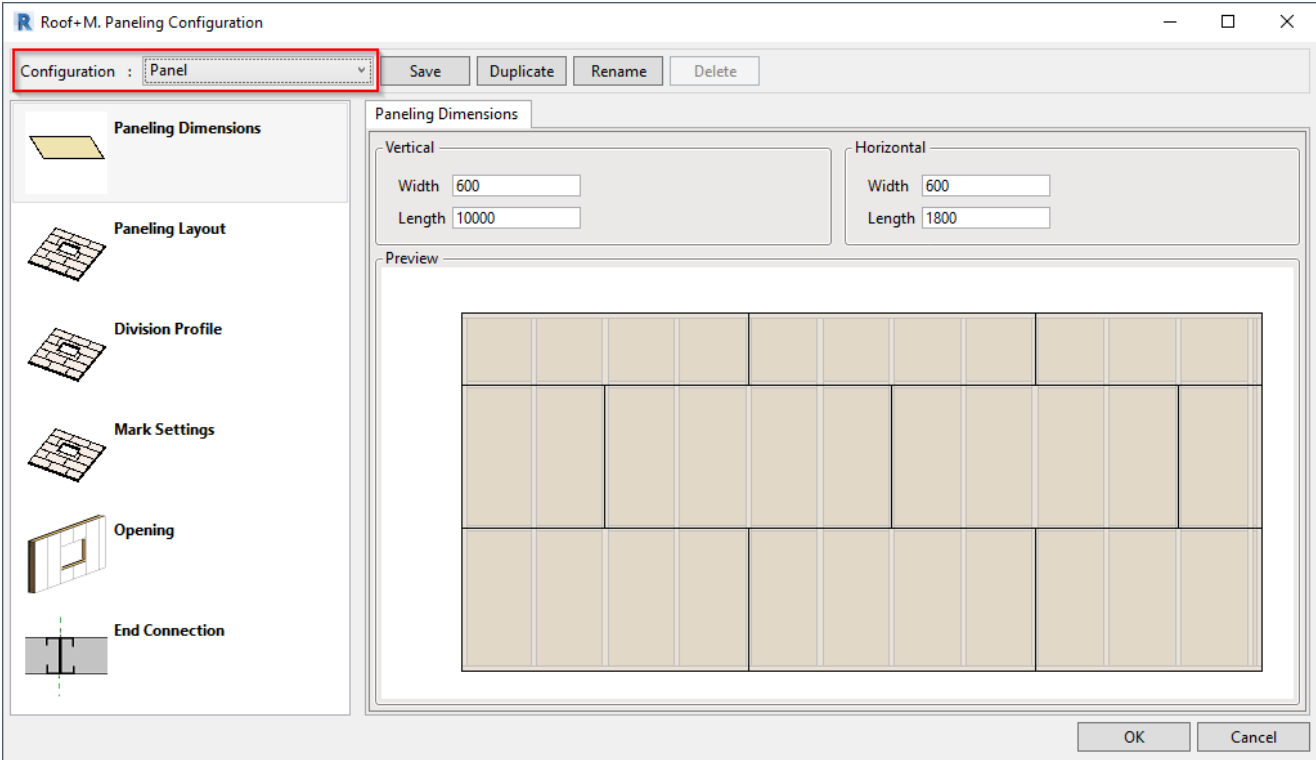
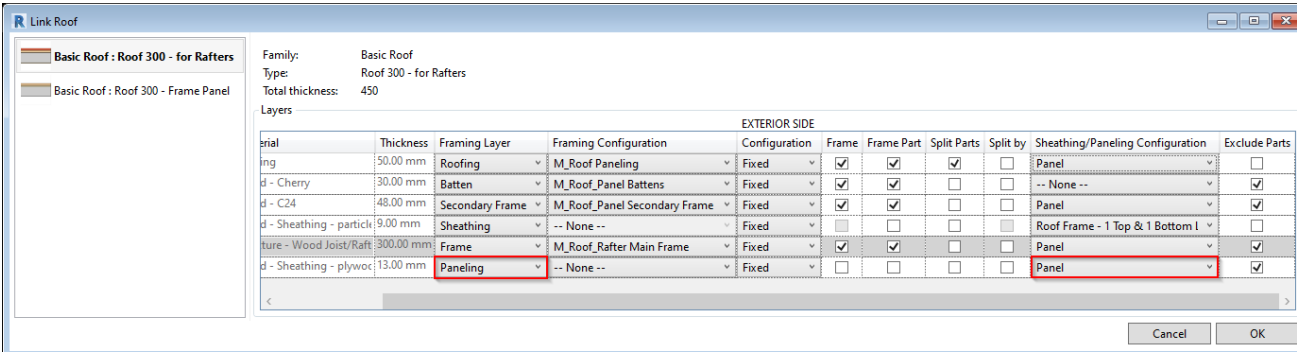


Using Paneling Configuration you can predefine insulation and paneling setting for your Revit project.

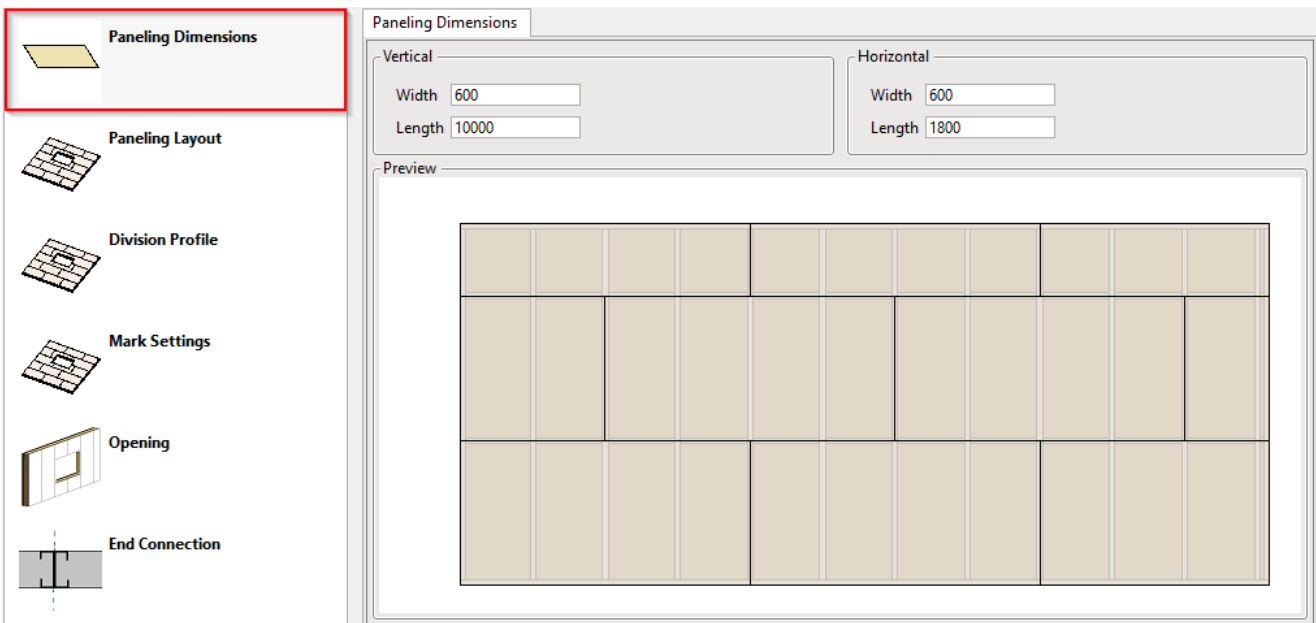
Insulation or panels are created using Revit Parts. In order to see the panels or insulation, you have to select Show Parts or Show Both in View Properties → Parts Visibility.



These settings can be saved and linked with roof layer using Link Roof.



Paneling Dimensions



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 Layout Special Layout

Paneling Layout

Parallel to Stud/Joist Perpendicular to Stud/Joist

Build in Place

Bottom/Base Extension 0 Apply Horizontally Top/End Extension 0 Apply Horizontally

Sloped Bottom/Base Extension 0 Apply Horizontally Sloped Top/End Extension 0 Apply Horizontally

Division Horizontal Offset 0

Division Vertical Offset 0

Placement Direction From Start

Second Row Overlap Distance 0

Vertical Elements Cut Panels Horizontal Elements Cut Panels

Add First Split Line Add Last Split Line

Align with Stud/Joists Always Try to Merge Parts None

Allow to Split on Second King/Joist Including Parts with Different Edges

Vertical Split by "Split Part" Vertical Split On Opening Side Opening Side

Vertical Split Limits Throughout

Minimal Width of Opening for Split 0

Horizontal Split by "Split Part" Horizontal Split On Opening Side

Split by "Split Part Priority" Split by Steeped Top Ridge

Split by "Part Division Profile" (beta) Split by Steeped Bottom Ridge

Complete Sheets in First Row

Preview

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

Enable Special Layout

Split Type Split by side of openings

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

Split by Openings

Fit opening in complete split segment

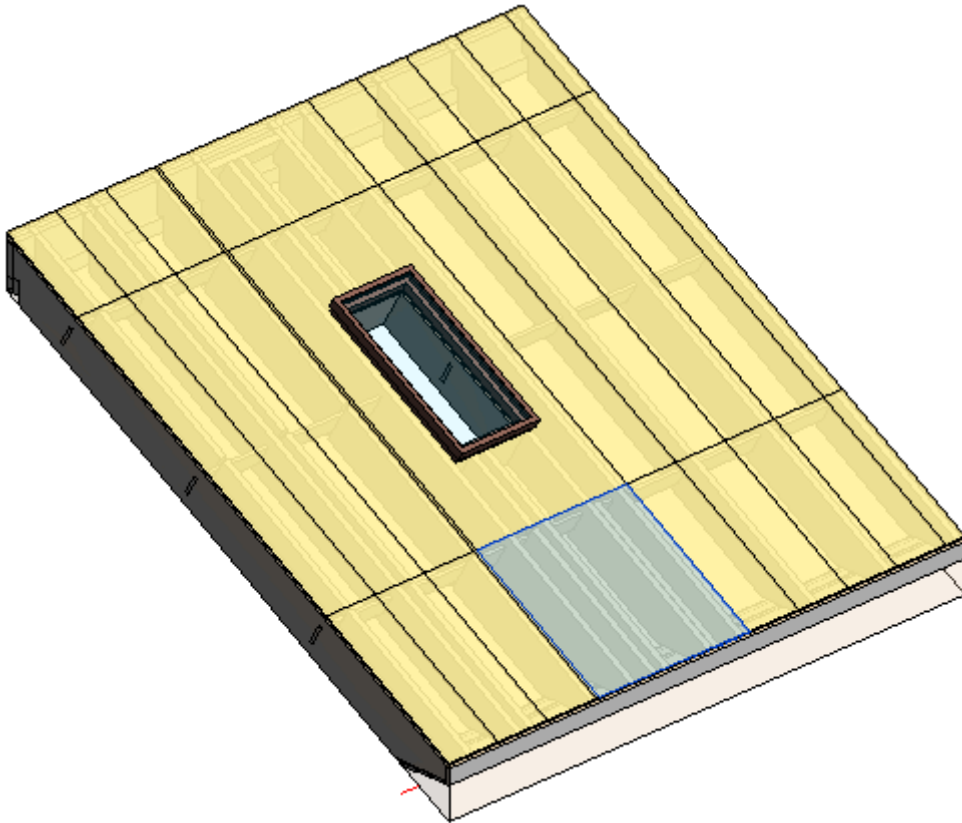
Split Spacing

Spacing 0

Maximum Spacing 0

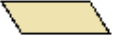
Minimum Length of Split Wall 0

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**.




Division Profile


Paneling Dimensions




Paneling Layout



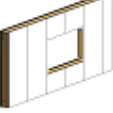
Division Profile




Mark Settings



Opening



End Connection



Paneling Layout

Vertical Gap

Vertical Division Profile

Vertical Profile Edge Mirrored

Vertical Profile Along Flip


Horizontal Gap

Horizontal Division Profile

Horizontal Profile Edge Mirrored

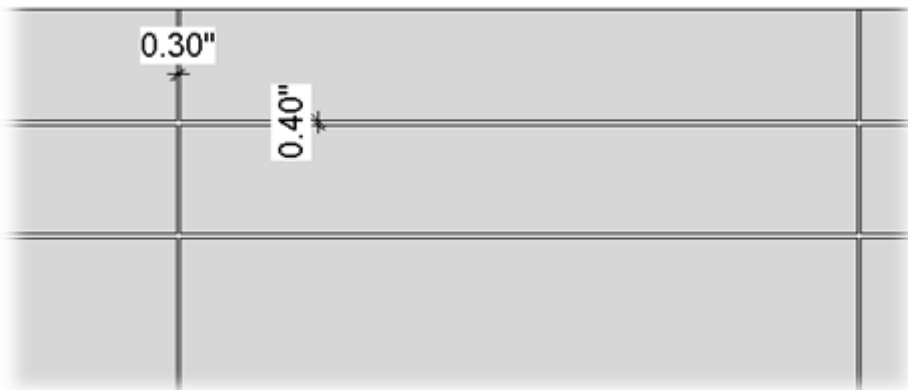
Horizontal Profile Along Flip

Preview



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

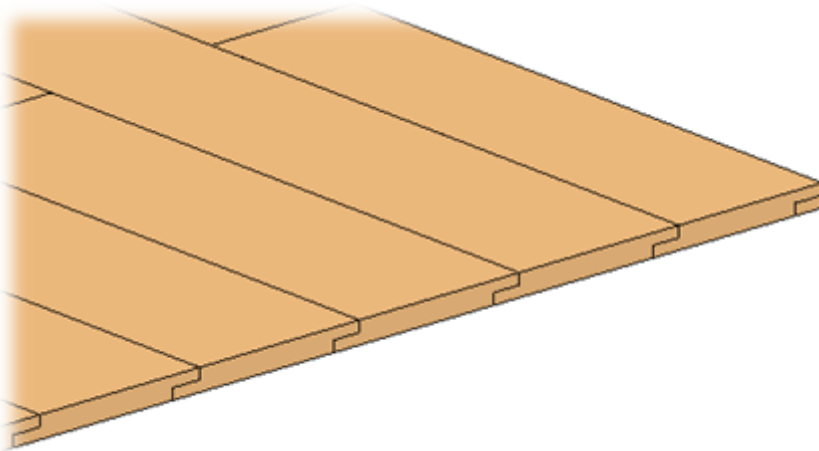
Note that if **Always Try to Merge Parts** is ticked ON, Gap will not be applicable.



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.



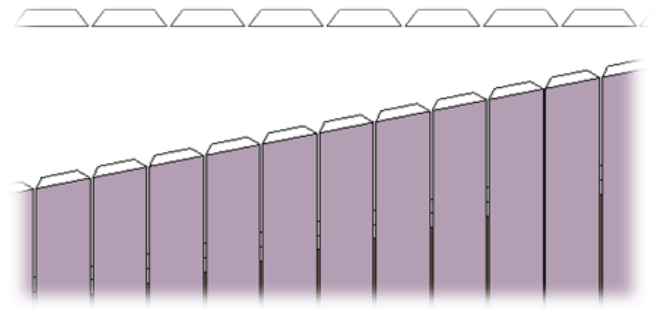
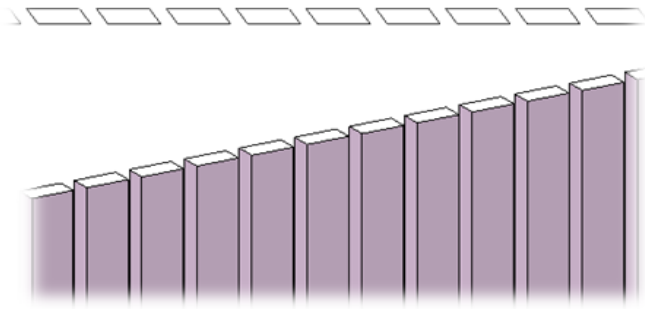
Paneling Layout

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

unticked

ticked



Mark Settings

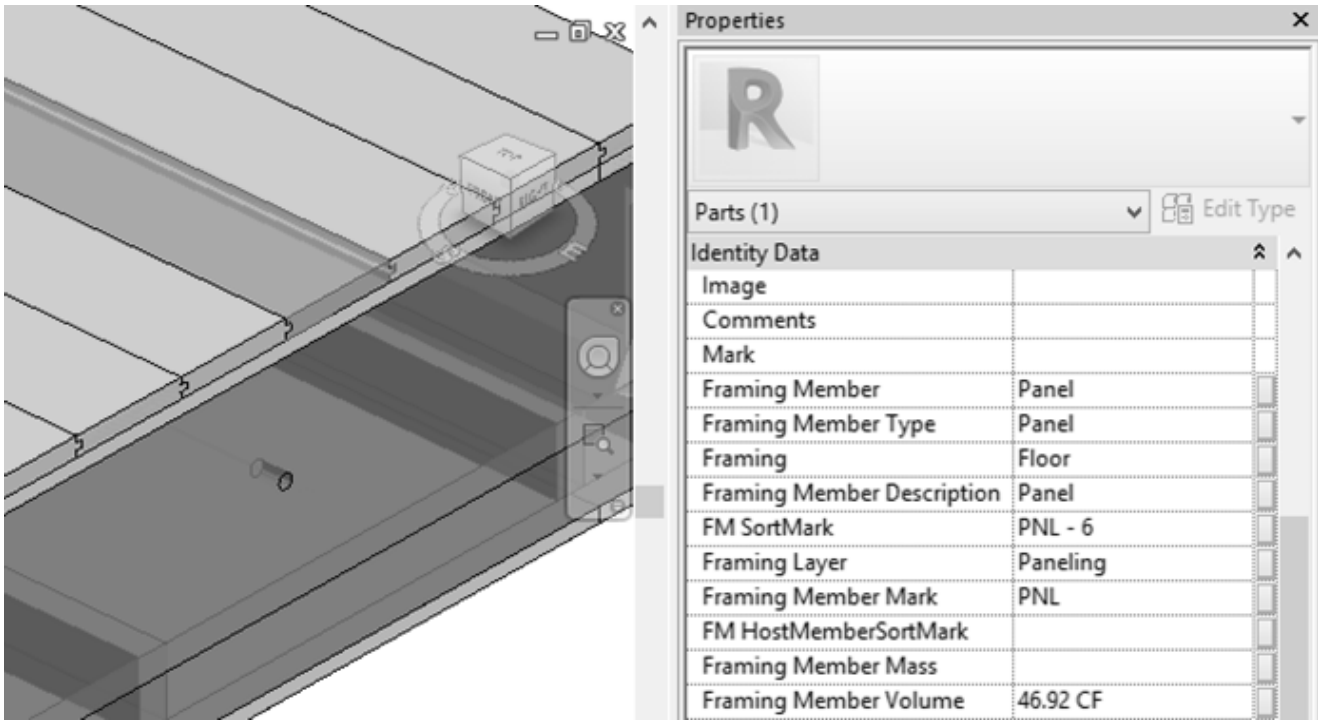
Mark Settings

Mark Settings

Framing Member	<input type="text" value="Panel"/>
Framing Member Description	<input type="text" value="Panel"/>
Framing Member Type	<input type="text" value="Panel"/>
Framing Member Mark	<input type="text" value="PNL"/>
Framing Configuration	<input type="text"/>
Part Detail Configuration	<input type="text"/>
CNC Configuration	<input type="text"/>

Preview

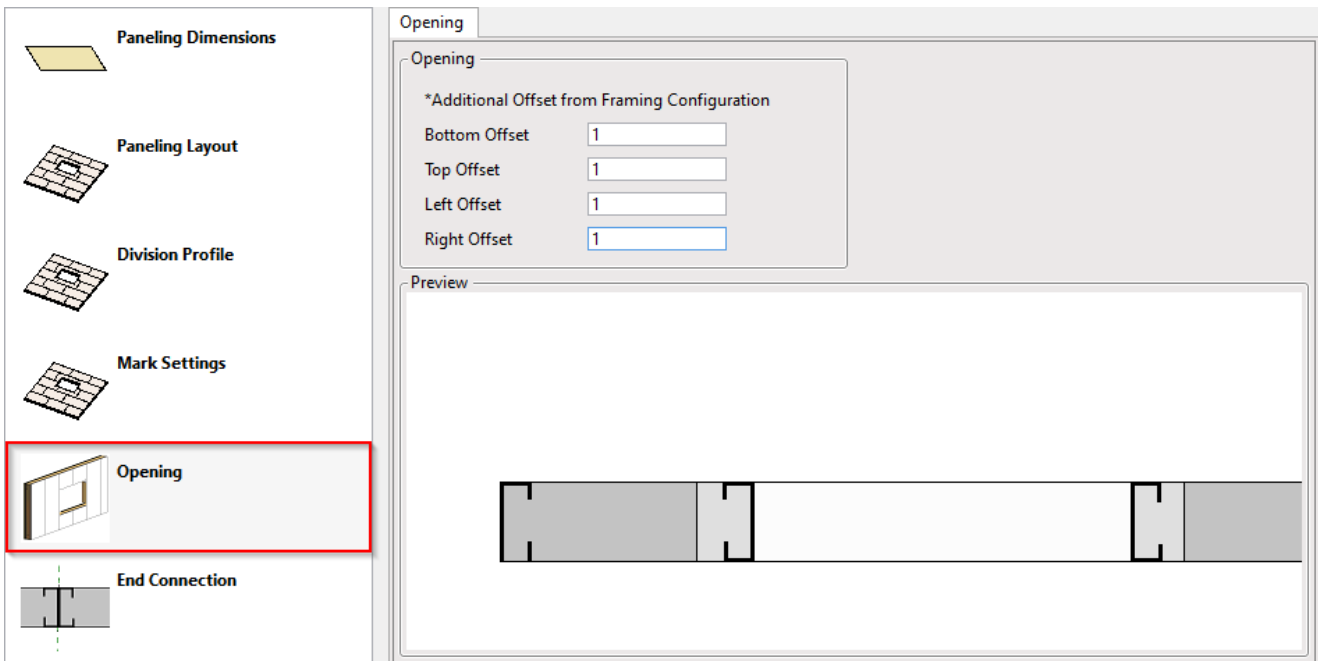
Mark Settings – predefine default values for these parameters. The parameters can be later used in schedules and tags.



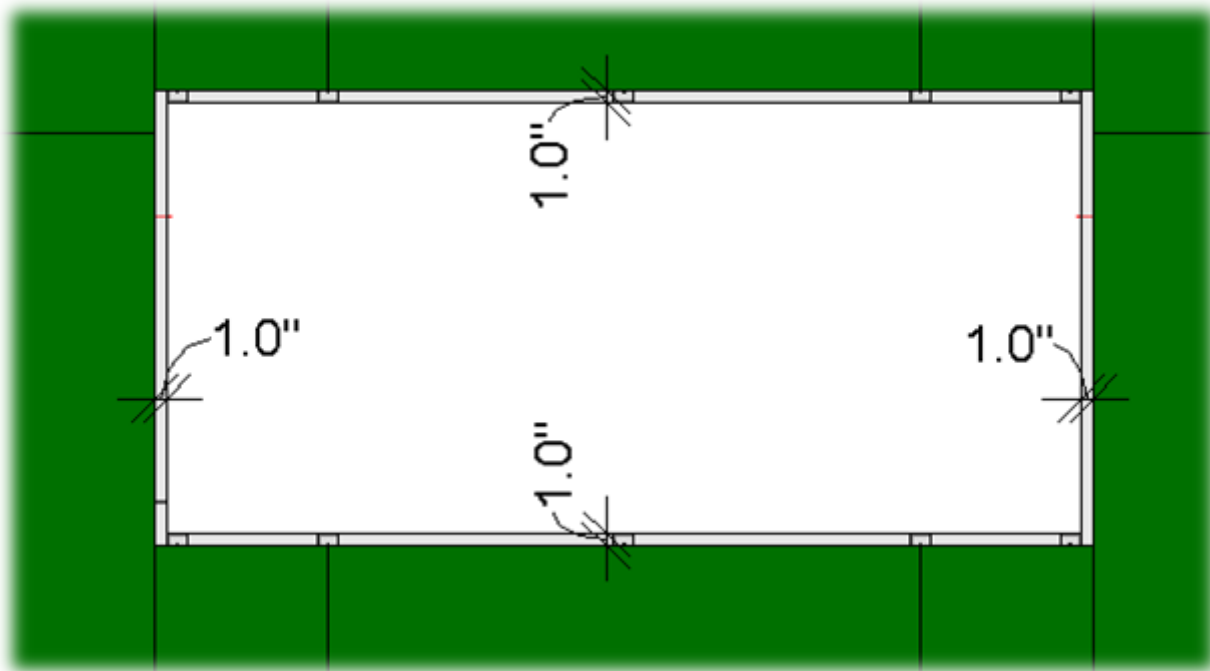
Part Detail Configuration and **Framing Configuration** – you can predefine default configurations to be added to every part.

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.

Opening

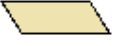


Opening – predefine top, bottom, left, and right paneling offsets from the opening.




End Connection


Paneling Dimensions




Paneling Layout



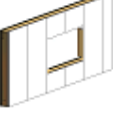
Division Profile




Mark Settings



Opening



End Connection



Free End - Start
Free End - End

End Connection

Layer Extension


Split at Joist None

Build in Place

Excluded

Offset Distance

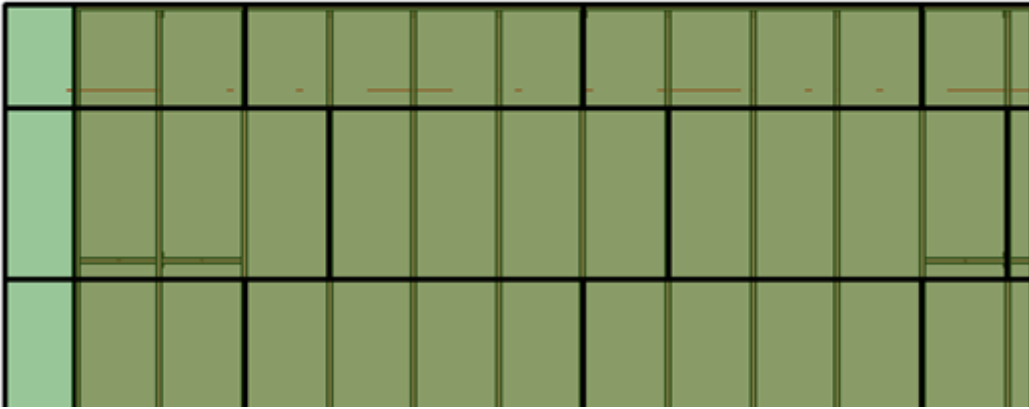

Preview



End Connection – predefine paneling settings for roof end connections.

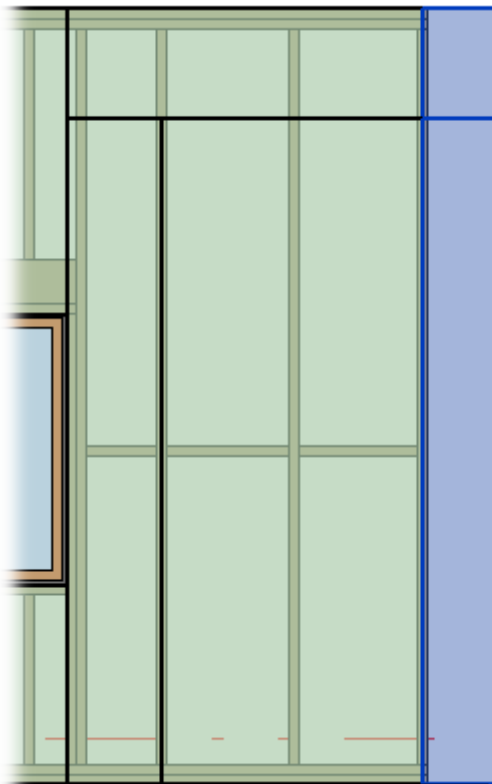
Layer Extension – distance from a roof face.

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

20.00


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 roof frame. Later this parameter can be used in schedules or view filters.

Properties

Parts (1) Edit Type

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

Properties

Parts (1) Edit Type

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

