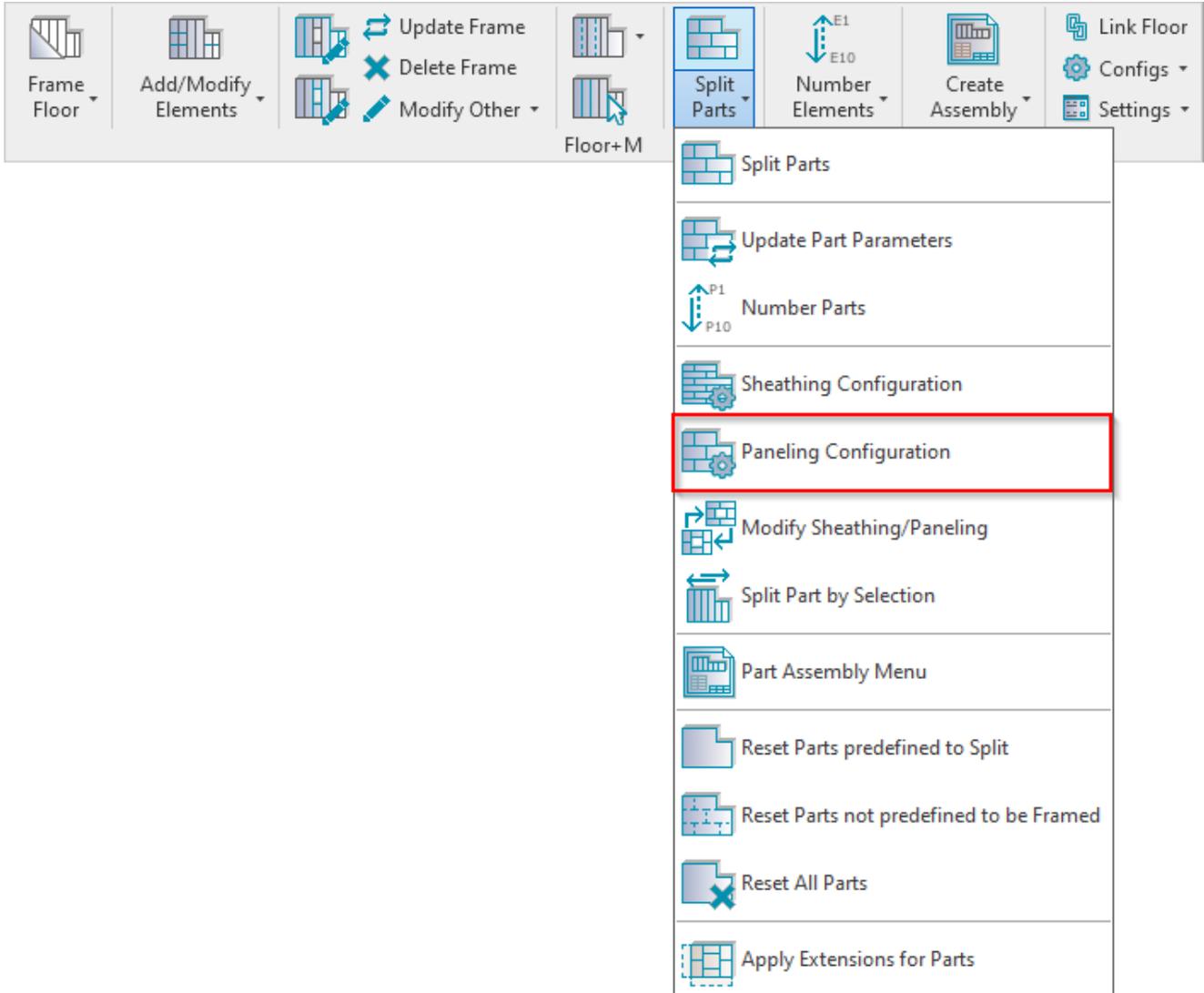


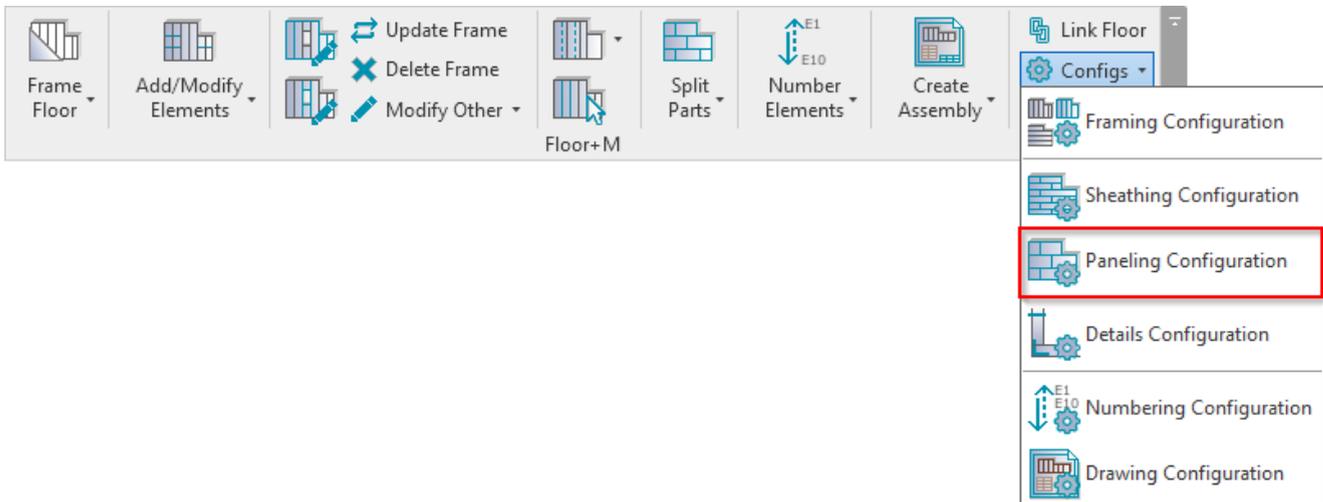
SHEATHING and PANELING LAYOUTS – Paneling Configuration

Modified on: Sat, 9 Jan, 2021 at 6:08 PM

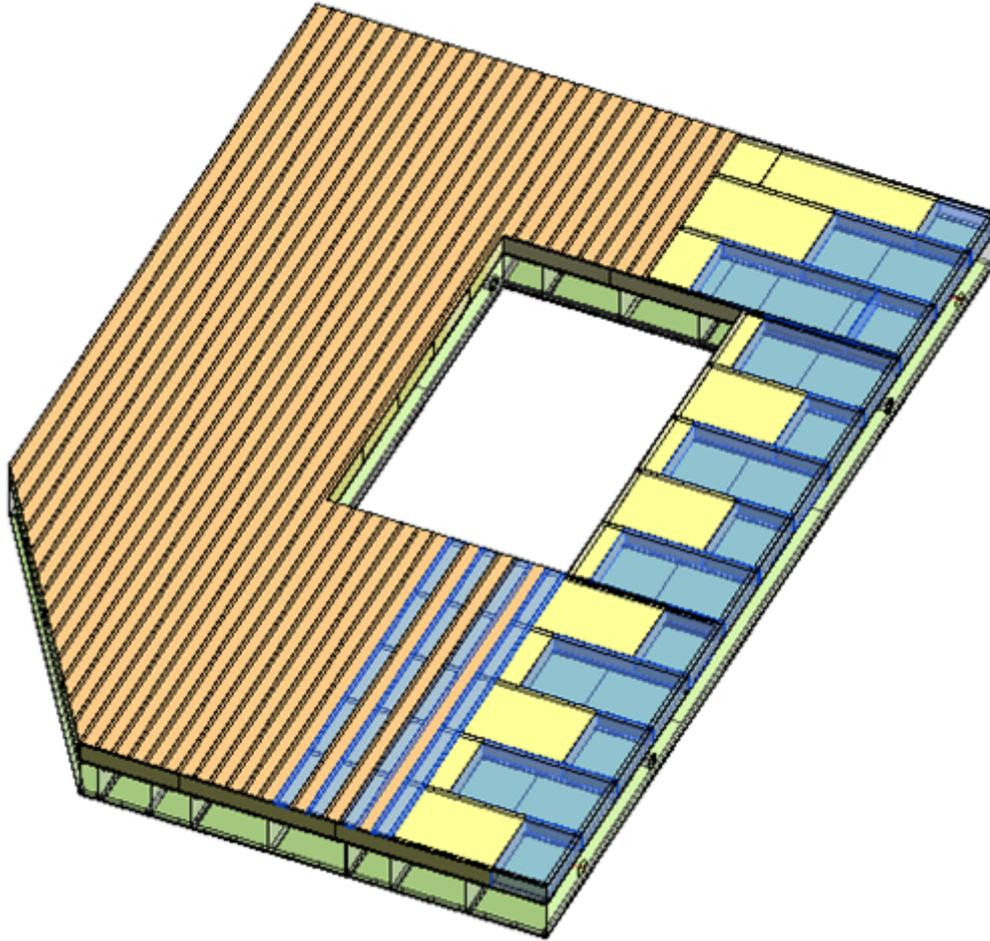
Paneling Configuration



or:

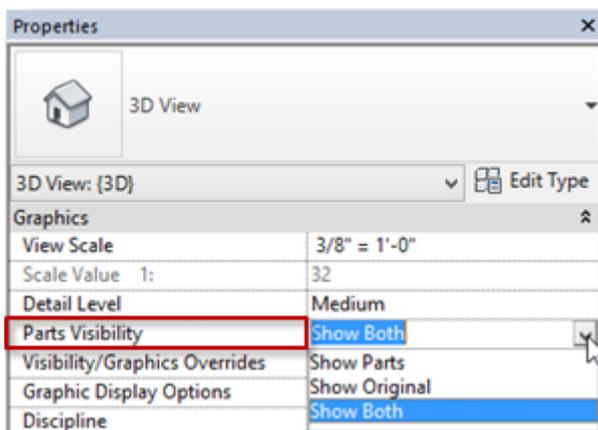


Paneling Configuration – allows you to configure and save settings for the paneling layouts. These settings can be saved and linked with floor layer using Link Floor.



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

	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 checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-- None --	<input checked="" type="checkbox"/>
id 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"/>
athing, 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+M. Paneling Configuration

Configuration : Panel Save Duplicate Rename Delete

Paneling Dimensions

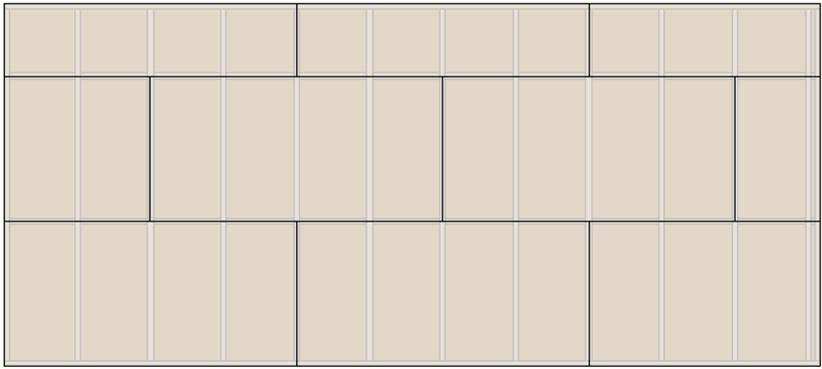
Vertical

Width 600
Length 1800

Horizontal

Width 150
Length 10000

Preview



OK Cancel

Paneling Dimensions

Paneling Dimensions

Paneling Dimensions

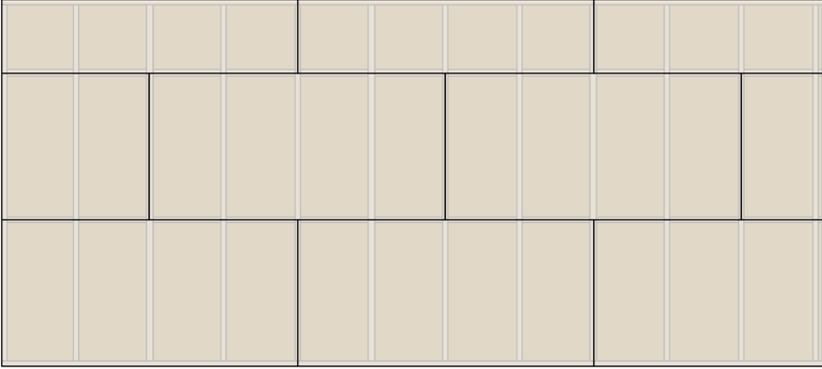
Vertical

Width 600
Length 1800

Horizontal

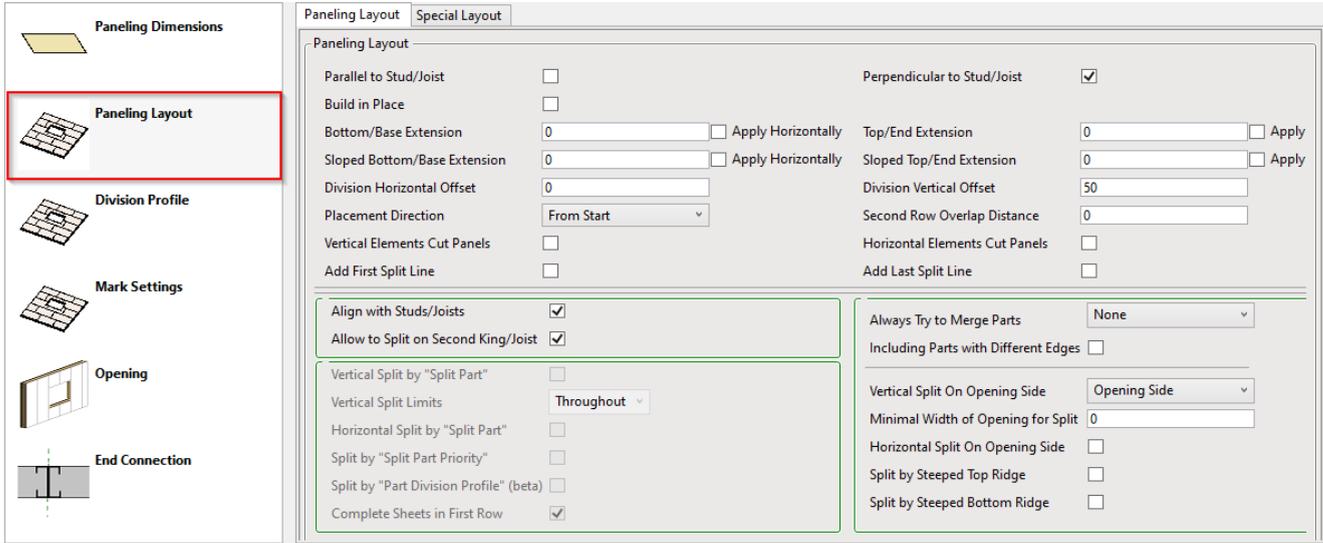
Width 150
Length 10000

Preview



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) (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



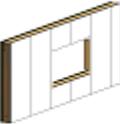
Division Profile



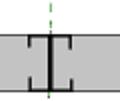
Mark Settings



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

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

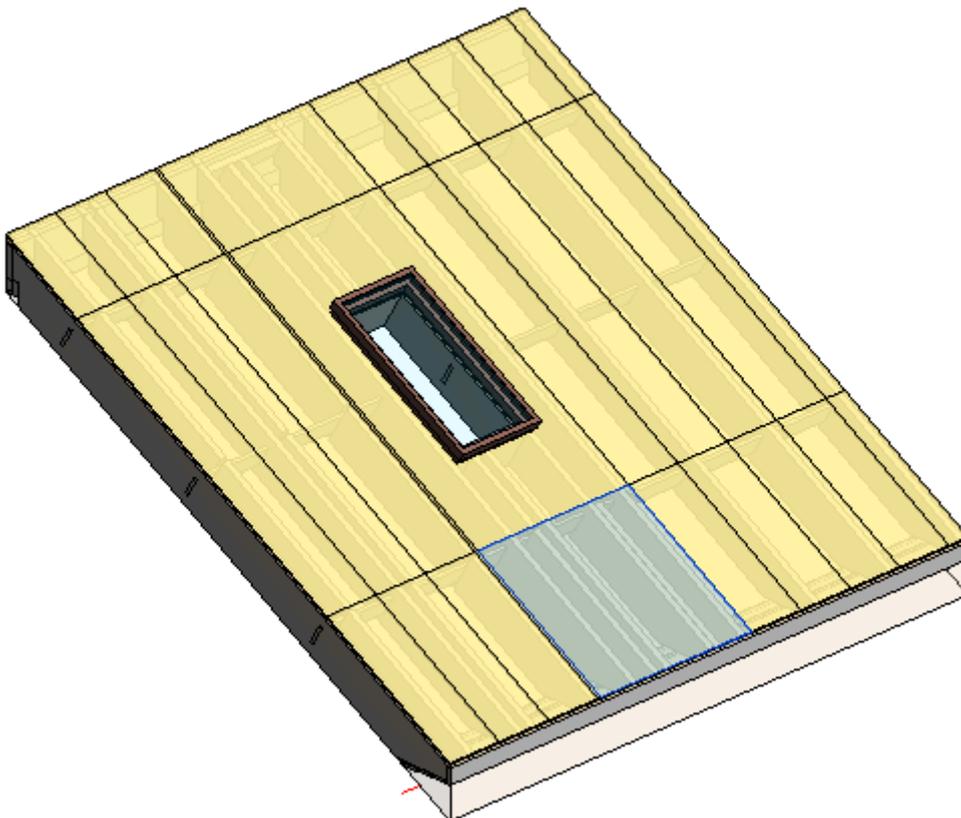
System Openings

Minimal Distance from System Opening

Minimum System Opening Width

Fit opening in complete split segment

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

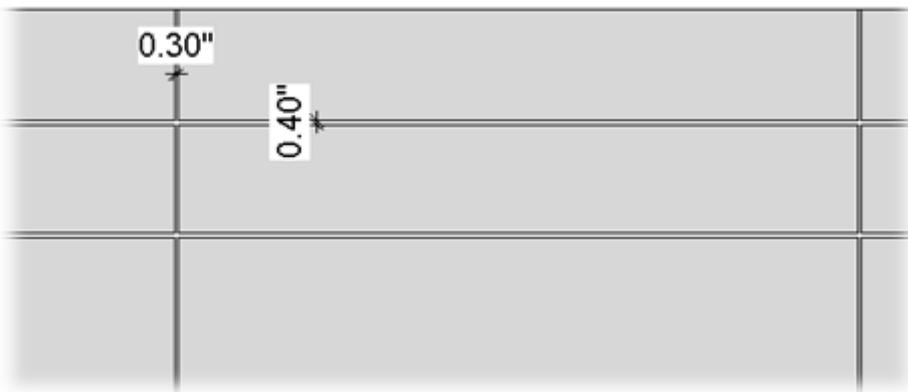
The screenshot shows the 'Division Profile' configuration window. On the left, a sidebar contains icons for 'Paneling Dimensions', 'Paneling Layout', 'Division Profile' (highlighted with a red border), 'Mark Settings', 'Opening', and 'End Connection'. The main area is titled 'Paneling Layout' and contains the following settings:

- Vertical Gap: 0.3
- Vertical Division Profile: -- None --
- Vertical Profile Edge Mirrored:
- Vertical Profile Along Flip:
- Horizontal Gap: 0.4
- Horizontal Division Profile: Notch: Notch
- Horizontal Profile Edge Mirrored:
- Horizontal Profile Along Flip:

Below the settings is a 'Preview' window showing a cross-section of two panels joined with a notch profile, illustrating the gap and profile configuration.

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

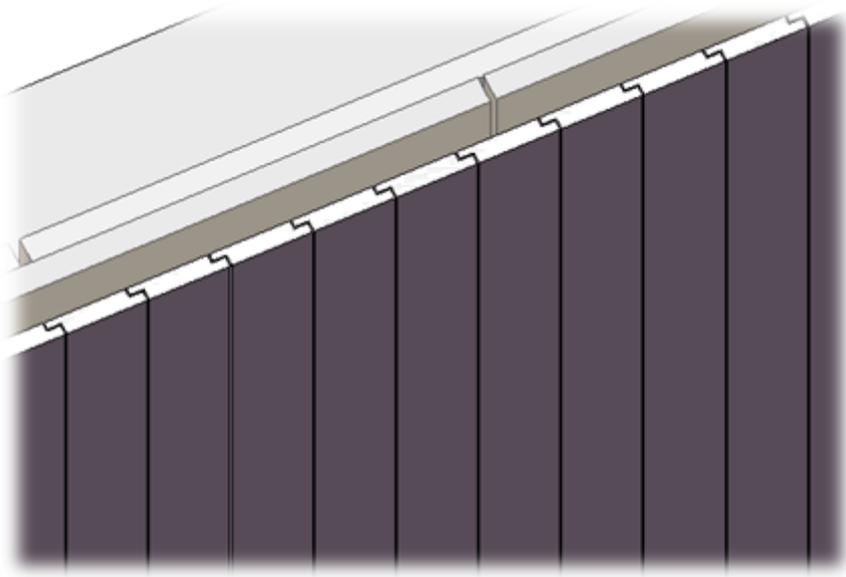
Note that if **Always Try to Merge Parts** is ticked ON, Gap will not be applicable.



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

Vertical Division Profile

Vertical Profile Edge Mirrored

Vertical Profile Along Flip

Horizontal Gap

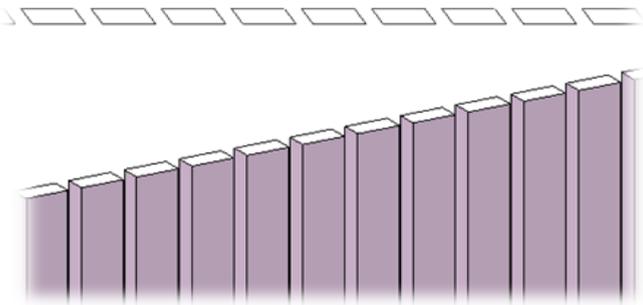
Horizontal Division Profile

Horizontal Profile Edge Mirrored

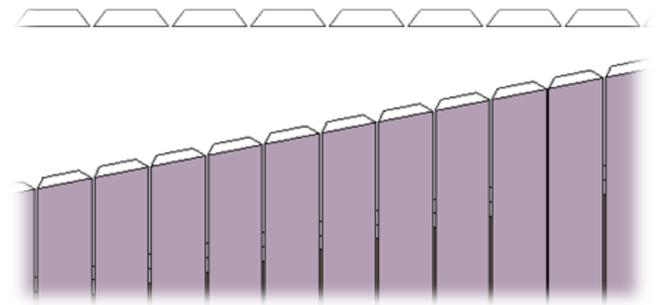
Horizontal Profile Along Flip

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

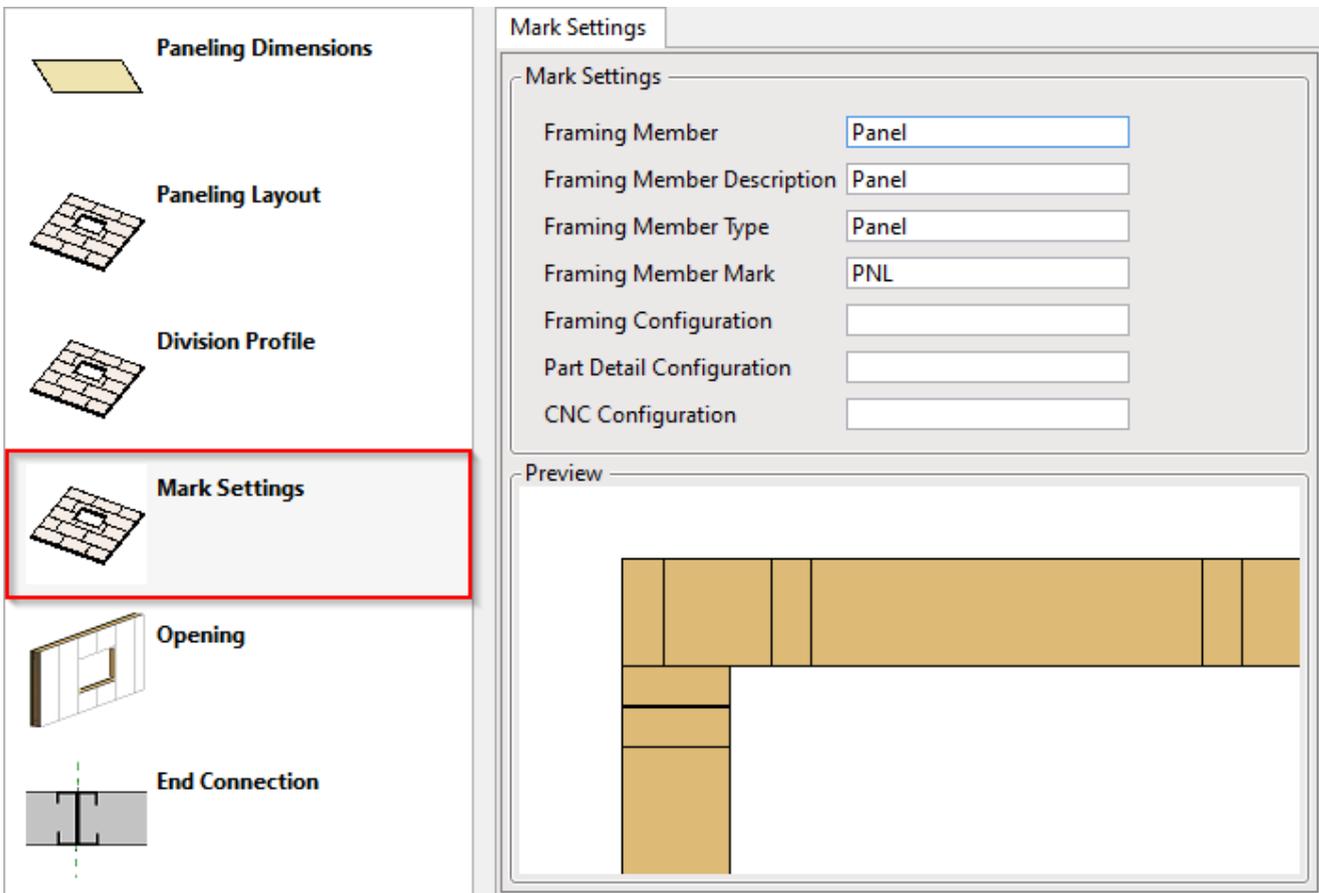
unticked



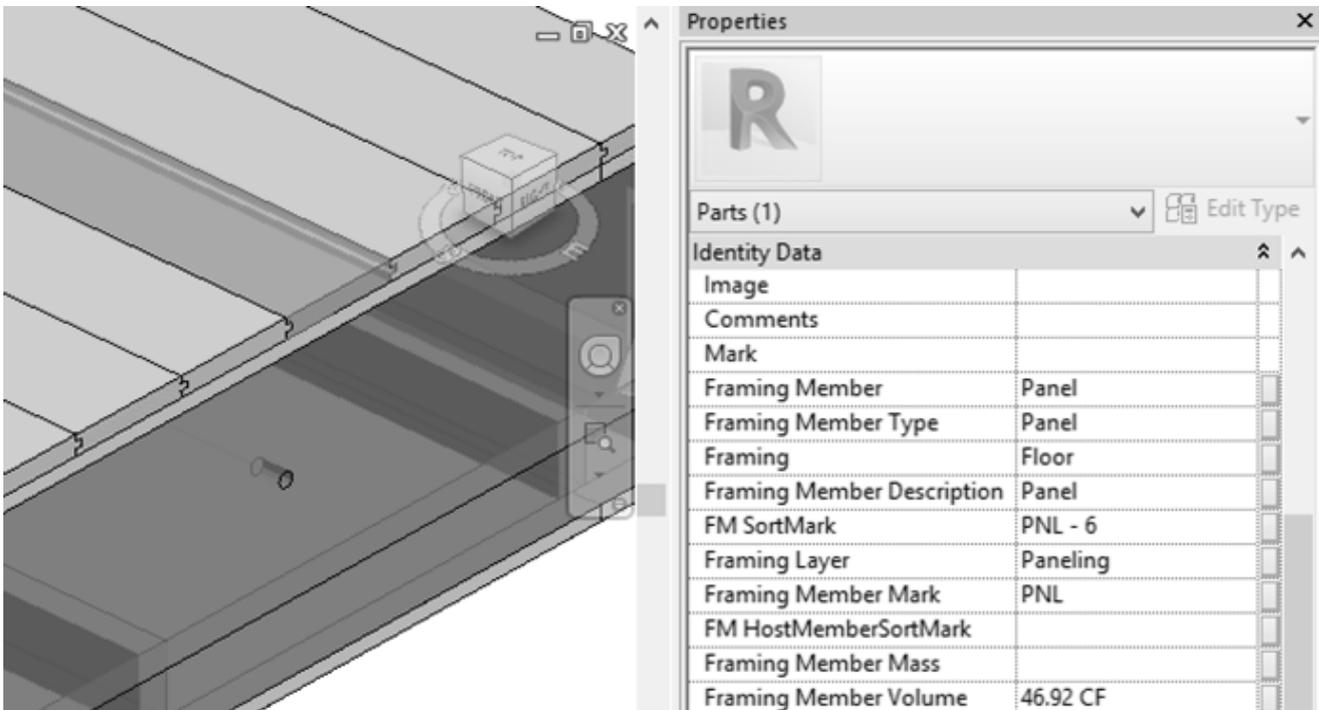
ticked



Mark Settings



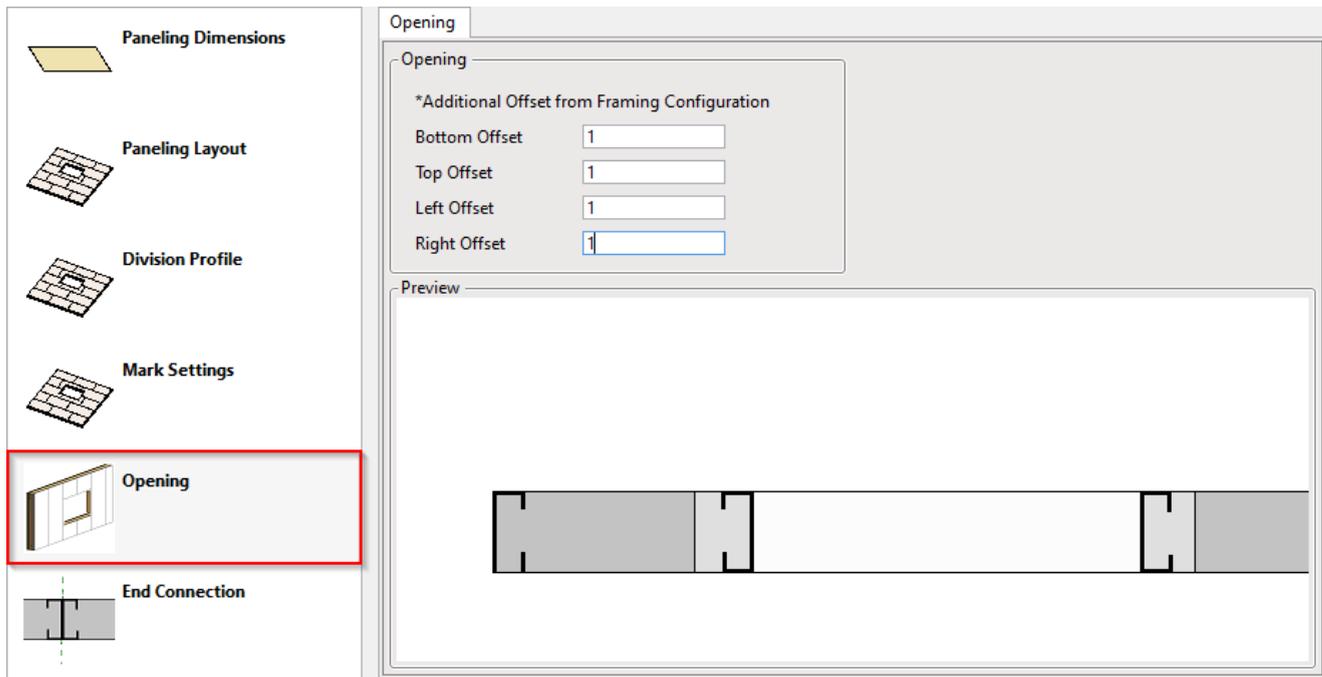
Mark Settings – predefine default values for these parameters. The parameters can be later used in schedules and tags.



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.

Opening



Paneling Dimensions

Paneling Layout

Division Profile

Mark Settings

Opening

End Connection

Opening

*Additional Offset from Framing Configuration

Bottom Offset

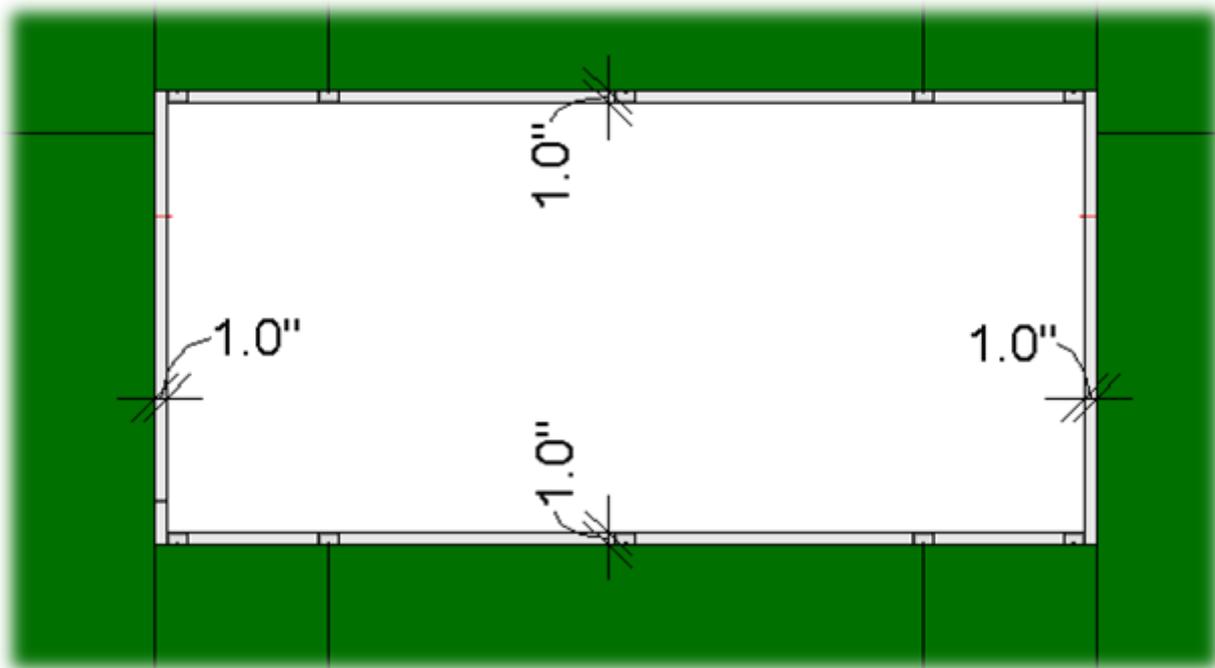
Top Offset

Left Offset

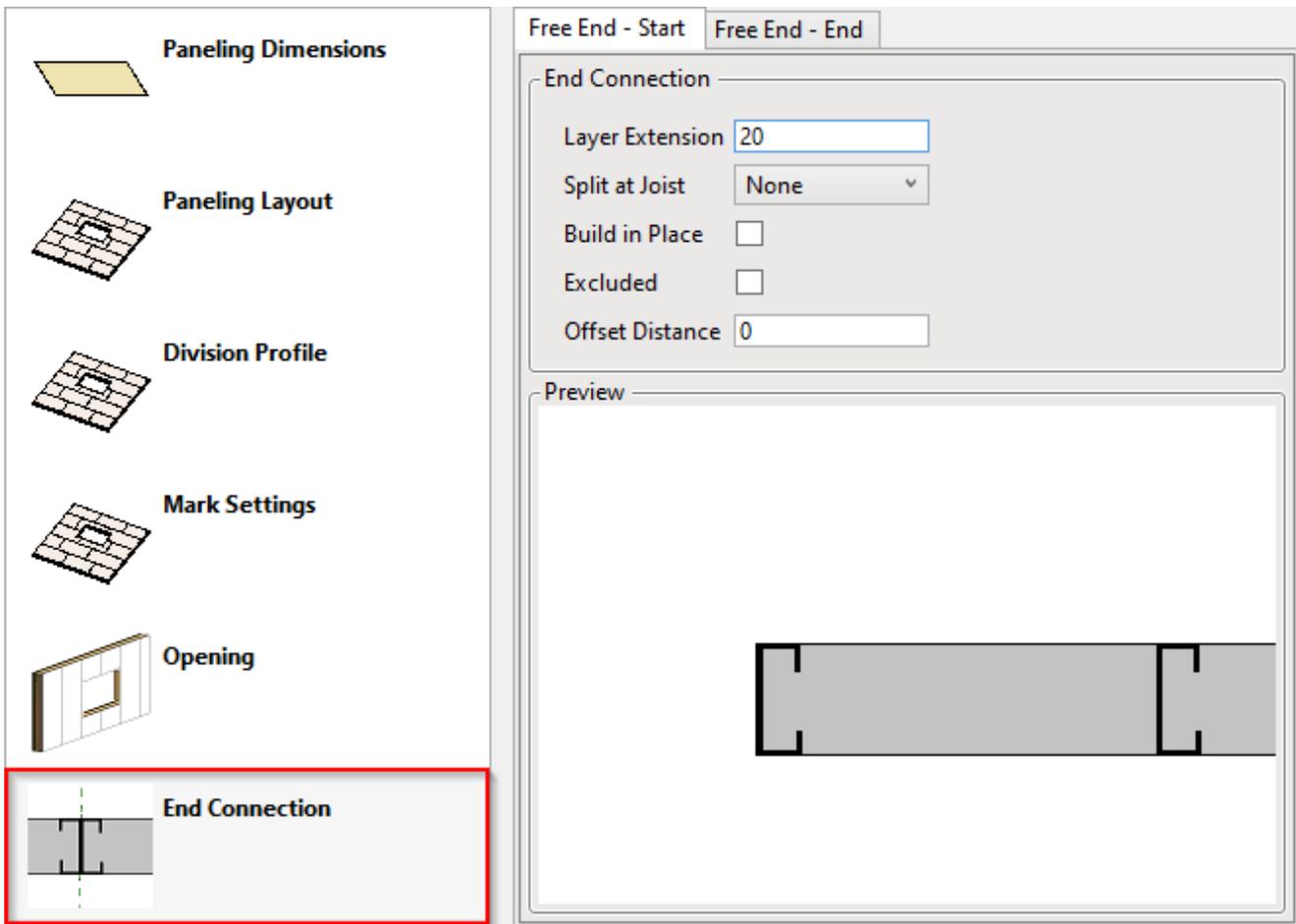
Right Offset

Preview

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



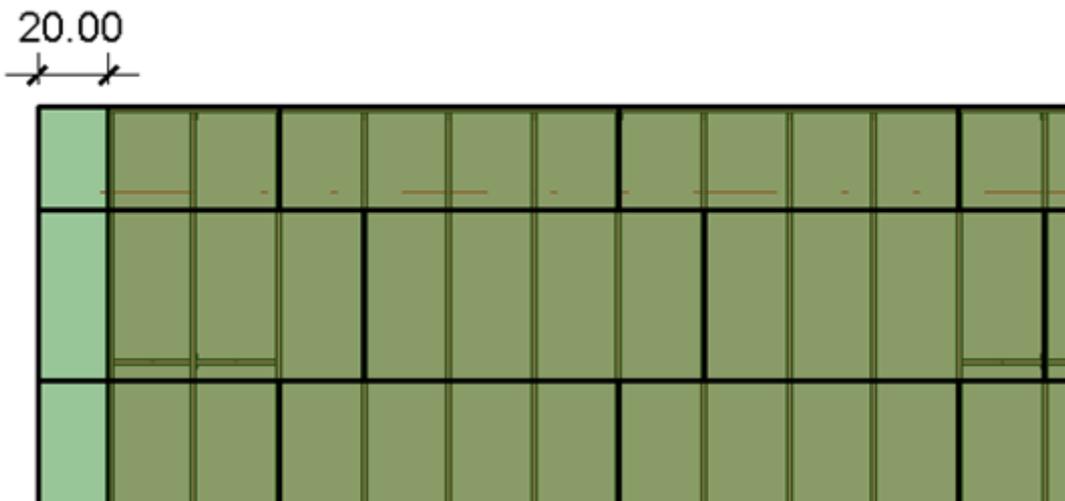
End Connection



End Connection – predefine paneling settings for floor end connections.

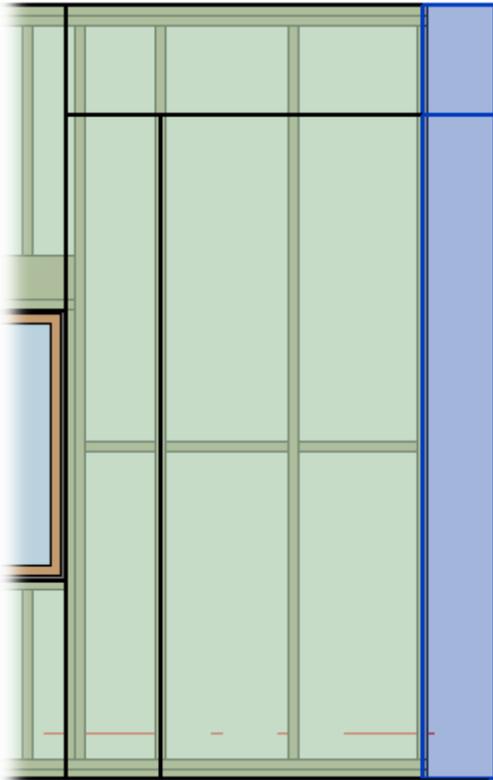
Layer Extension – distance from a floor face.

*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.

Properties	
Parts (1) Edit Type	
Constraints	
Base Level	Level 2
Construction	
Link to Connected Wall	<input checked="" type="checkbox"/>
Framing Configuration	
Build in Place	<input checked="" type="checkbox"/>
Part Detail Configuration	
Assembly Mass	
Element Mass	
Assembly Created-Updated	
Details Created-Updated	
DC	
Dimensions	
Volume	0.012 m ³
Area	0.968 m ²
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

