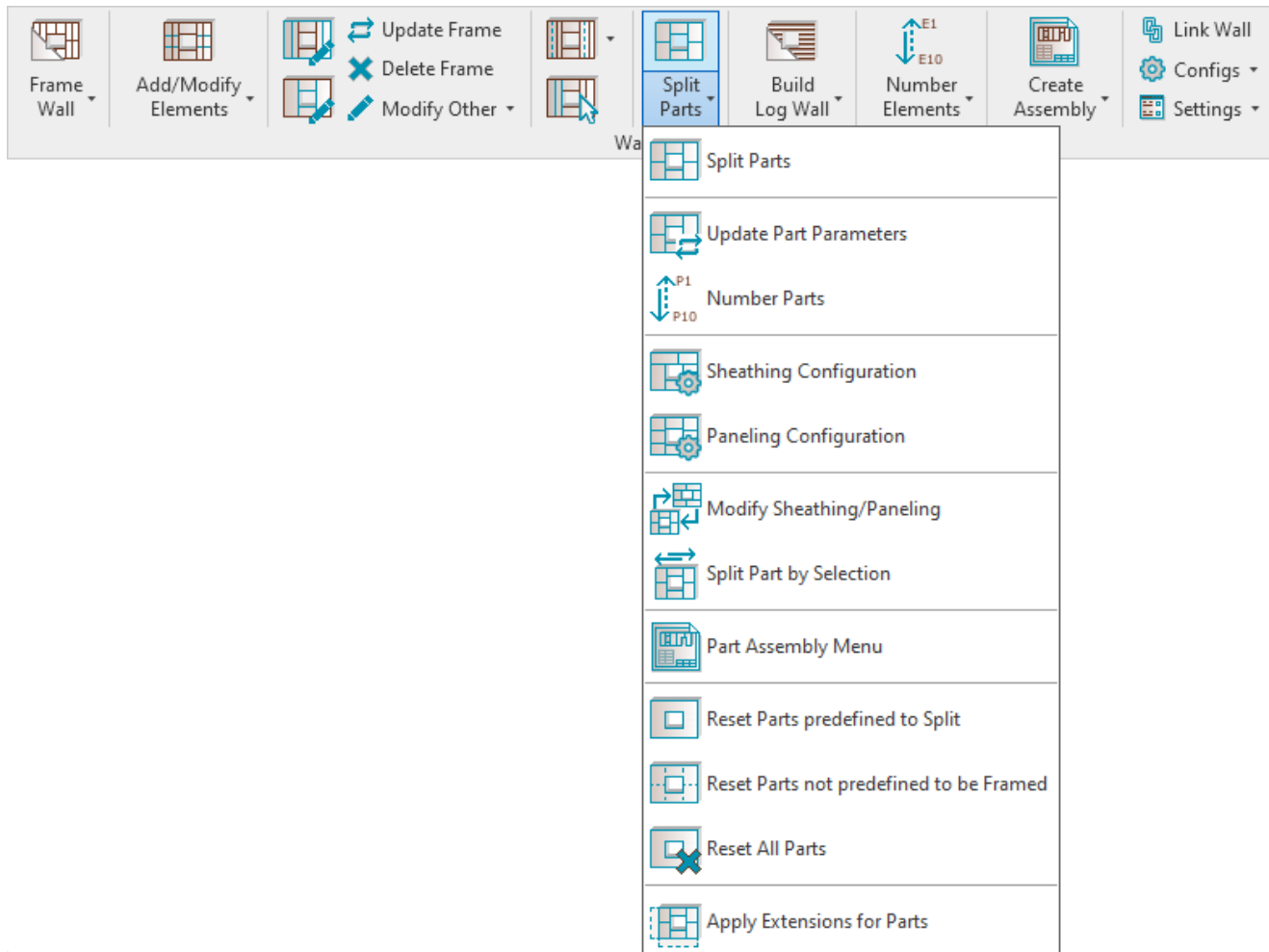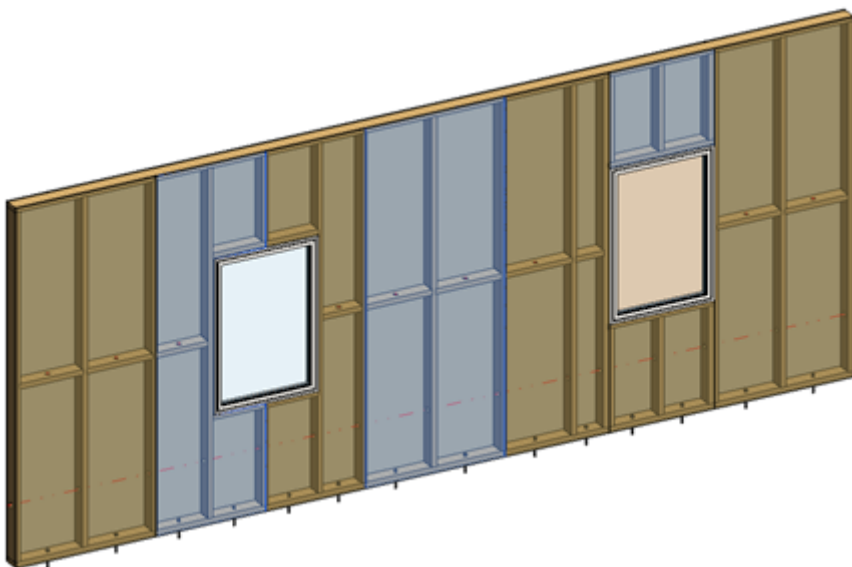# SHEATHING and PANELING LAYOUTS – Main Features
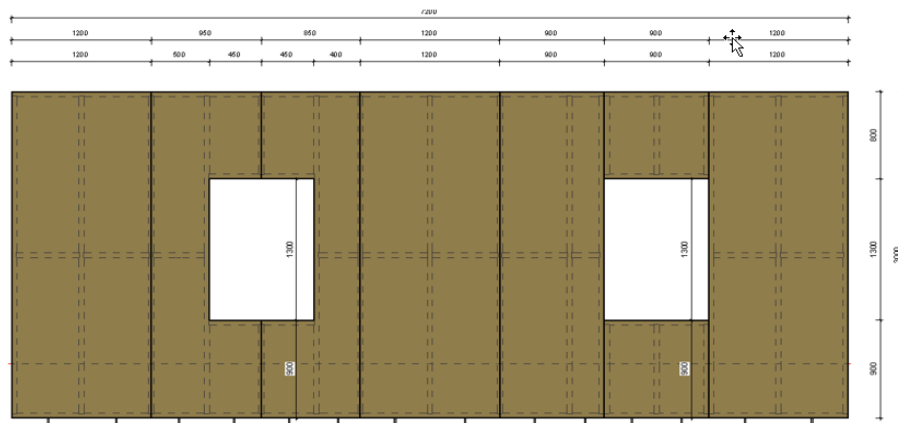
Modified on: Sat, 7 Sep, 2019 at 4:31 PM

Sheathing and Paneling Layouts

Wood Framing Wall+ automates the creation of sheathing and paneling layouts. Sheathing or paneling layouts can be generated and split by existing studs, joists, or other predefined rules.
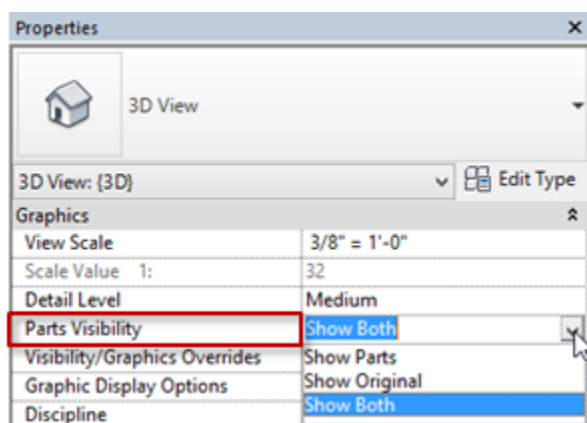
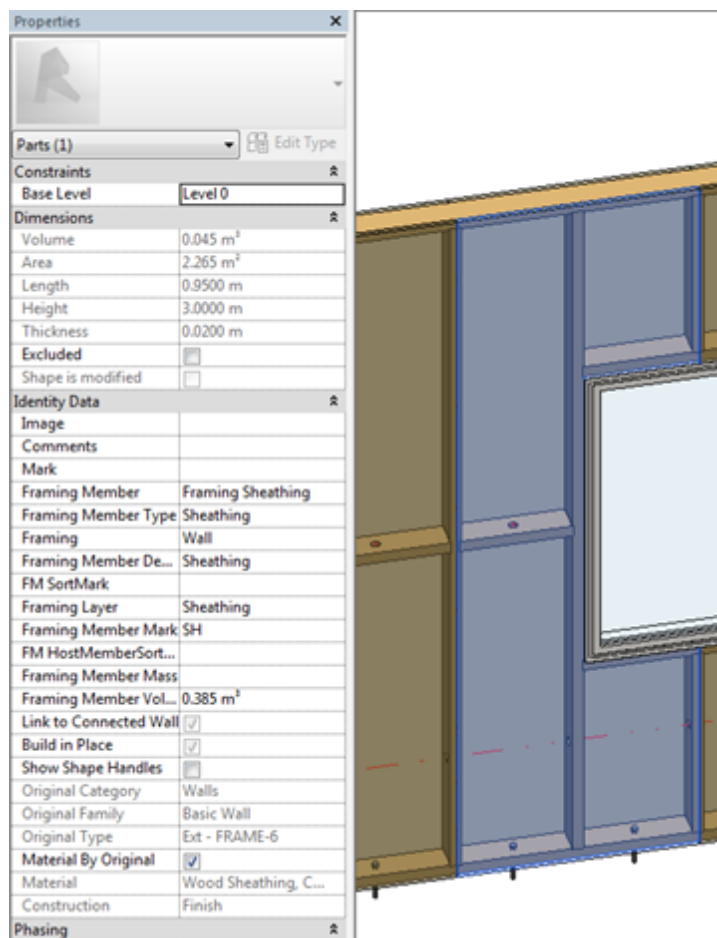| Sheathing Schedule				
FM SortMark	Thickness	Area	Count	Framing Member Mass
F4				
SH – 1	0.75	5.87 SF	2	12.64 lbm
SH – 2	0.75	3.00 SF	1	6.46 lbm
SH – 3	0.75	3.00 SF	1	6.46 lbm
SH – 4	0.75	6.99 SF	2	15.06 lbm
SH – 5	0.75	7.01 SF	2	15.09 lbm
SH – 6	0.75	10.31 SF	2	22.21 lbm
SH – 7	0.75	26.19 SF	2	56.40 lbm
SH – 8	0.75	96.00 SF	6	206.76 lbm
SH – 9	0.75	33.03 SF	2	71.15 lbm
SH – 10	0.75	38.81 SF	2	83.59 lbm
SH – 11	0.75	41.17 SF	2	88.67 lbm
SH – 12	0.75	44.92 SF	2	96.76 lbm
SH – 13	0.75	140.85 SF	6	303.35 lbm
SH – 14	0.75	144.00 SF	6	310.14 lbm
SH – 15	0.75	167.82 SF	6	361.44 lbm
SH – 16	0.75	168.18 SF	6	362.23 lbm
SH – 17	0.75	188.85 SF	6	406.73 lbm
56		1126.00 SF		2425.14 lbm

Before you start
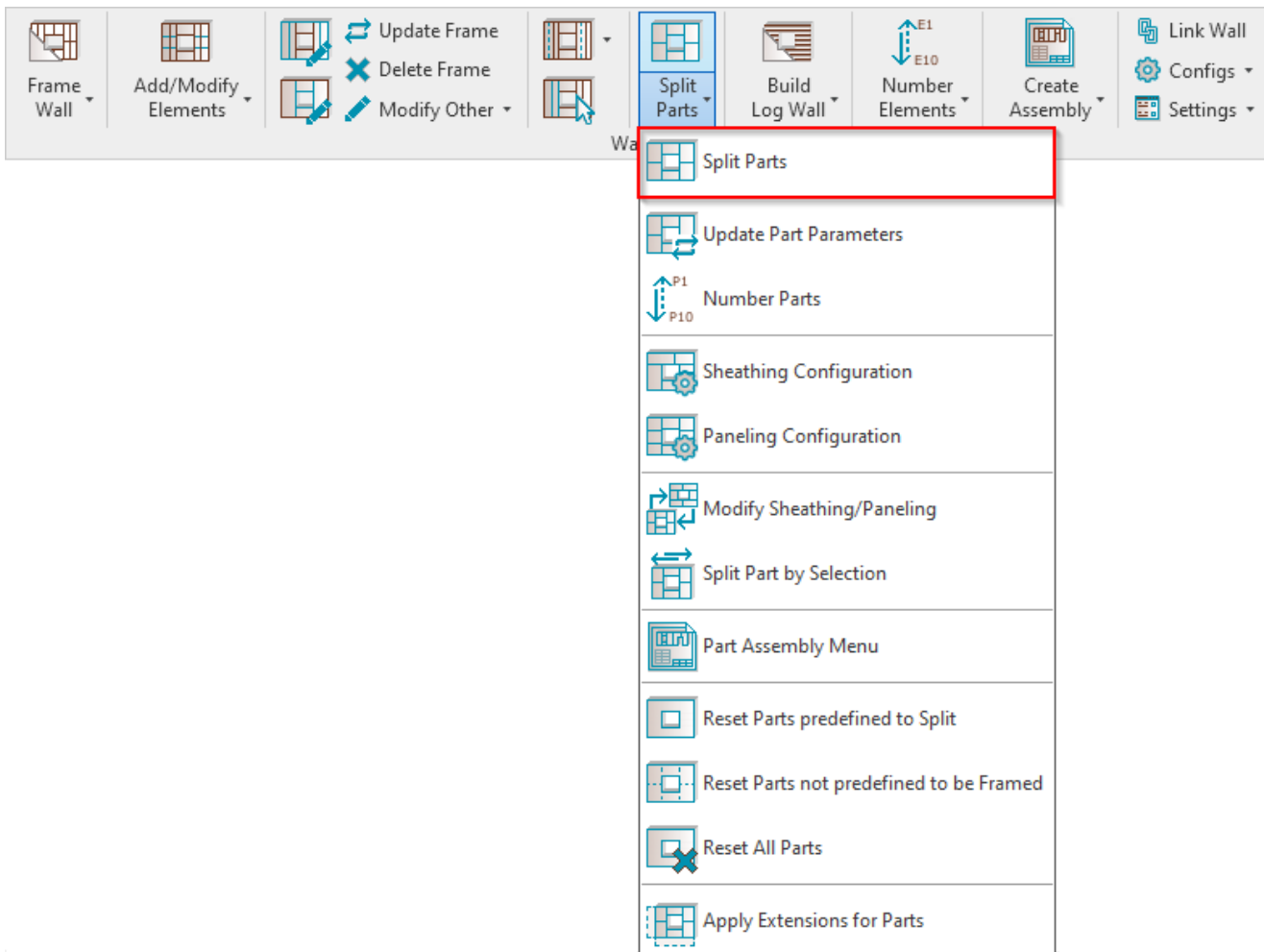
Sheathing or paneling is created using Revit **Parts**.

In order to see the sheathing or paneling, you have to select **Show Parts** or **Show Both** in **View Properties → Parts Visibility**.

In the **Element Properties** you can find all information about every created sheathing/paneling segment. This information can later be used in tags and schedules.

Properties		
Parts (1)		Edit Type
Constraints		
Base Level	Level 0	
Dimensions		
Volume	0.045 m³	
Area	2.265 m²	
Length	0.9500 m	
Height	3.0000 m	
Thickness	0.0200 m	
Excluded	☐	
Shape is modified	☐	
Identity Data		
Image		
Comments		
Mark		
Framing Member	Framing Sheathing	
Framing Member Type	Sheathing	
Framing	Wall	
Framing Member De...	Sheathing	
FM SortMark		
Framing Layer	Sheathing	
Framing Member Mark	SH	
FM HostMemberSort...		
Framing Member Mass		
Framing Member Vol...	0.385 m³	
Link to Connected Wall	☑	
Build in Place	☑	
Show Shape Handles	☐	
Original Category	Walls	
Original Family	Basic Wall	
Original Type	Ext - FRAME-6	
Material By Original	☑	
Material	Wood Sheathing, C...	
Construction	Finish	
Phasing		

Split Parts

Split Parts – splits sheathing or paneling into segments by predefined **Sheathing Configuration** or **Paneling Configuration**. You just need to select a wall or any frame of a wall.

*Note: In order to see the sheathing, switch on **Show Parts** or **Show Both** under **Parts Visibility** in the **View Properties**.*
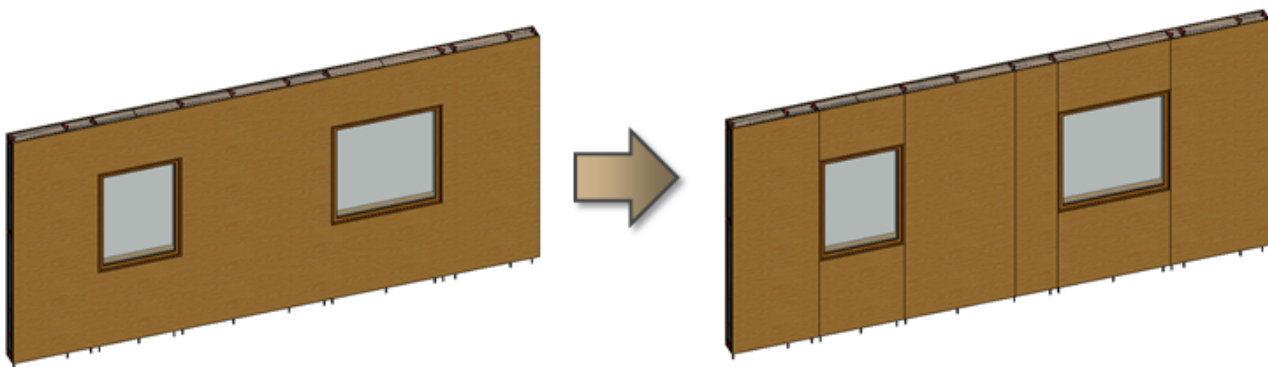
Sheathing or Paneling will be split if selected wall layer will have the conditions below in **Link Wall**:

- **Framing Layer** predefined as **Sheathing**, **Sheathing II**, or **Paneling**.
- **Sheathing/Paneling Configuration** name selected. It saves all settings for the sheathing/paneling layouts.
- **Split Parts** is ticked.
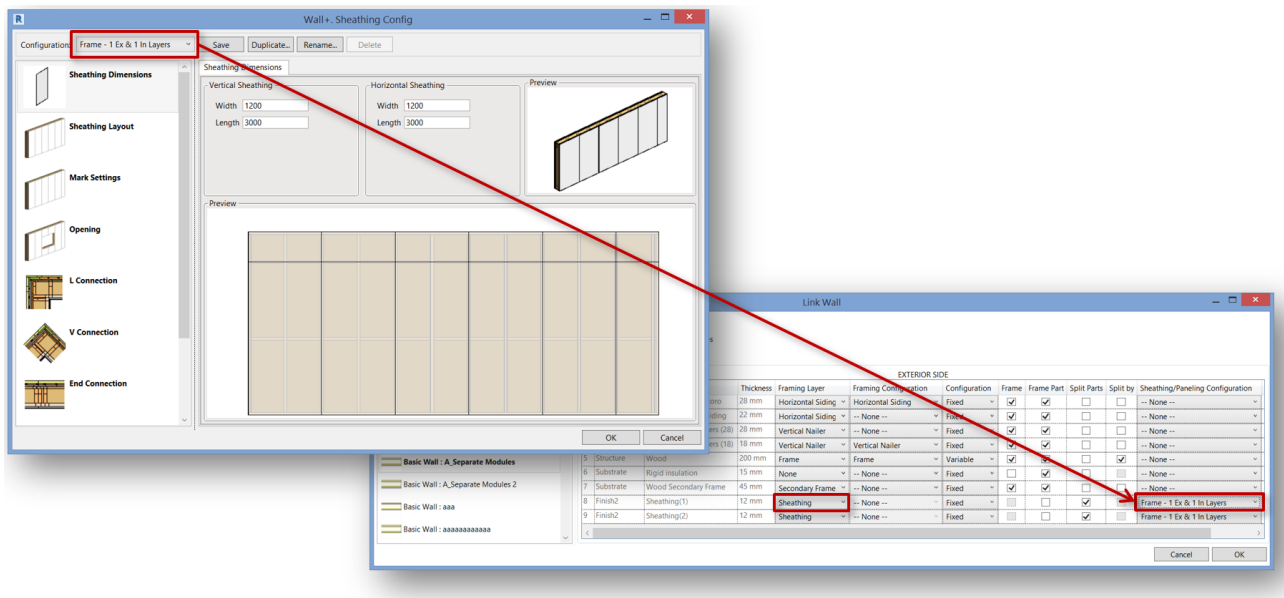
Split Parts – select if parts need to be split after using **Split Parts** function or should be split later. This is very useful if there are many layers in the wall, for example, two sheathing/paneling layers and you want to split only one.
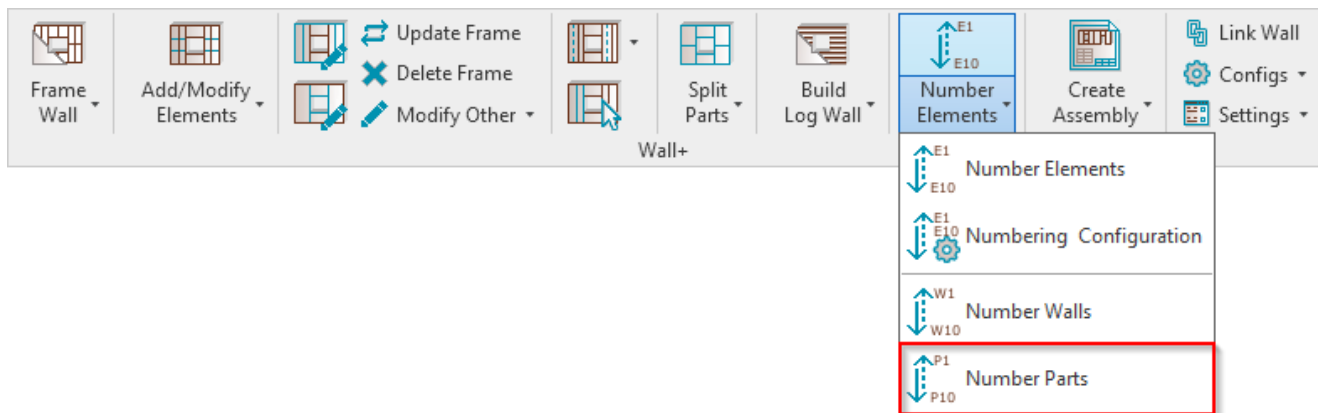

Update Part Parameters

Update Part Parameters - updates part parameters from **Sheathing/Paneling Configuration → Mark Settings** without needing to use **Split Parts** on the wall or again. Also enters **HostMemberSortMark** parameter.
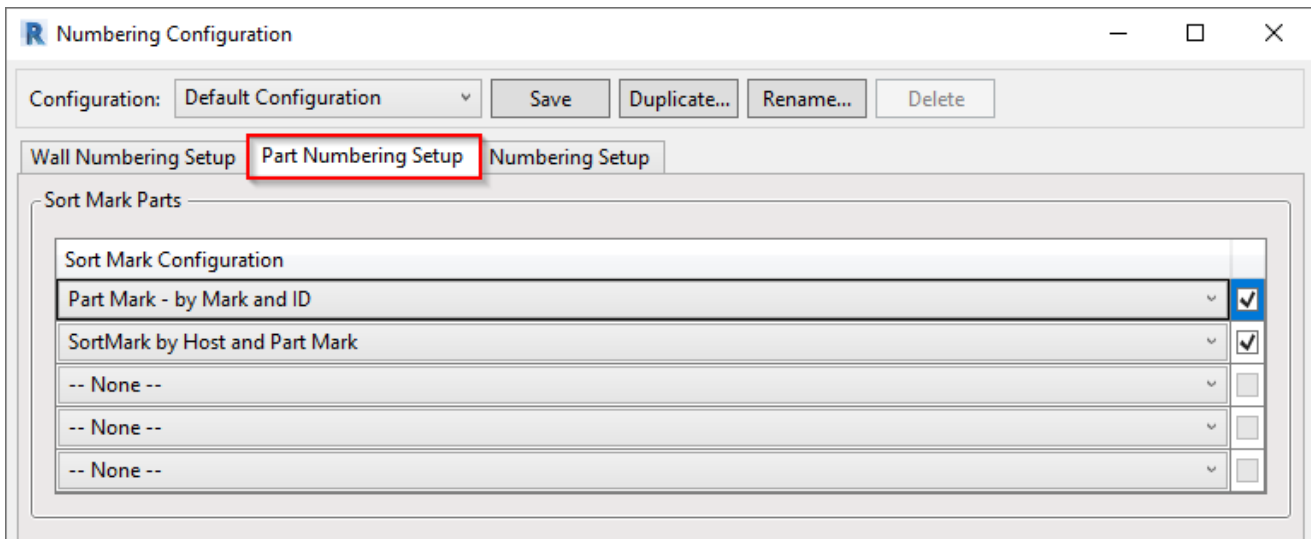
Number Parts
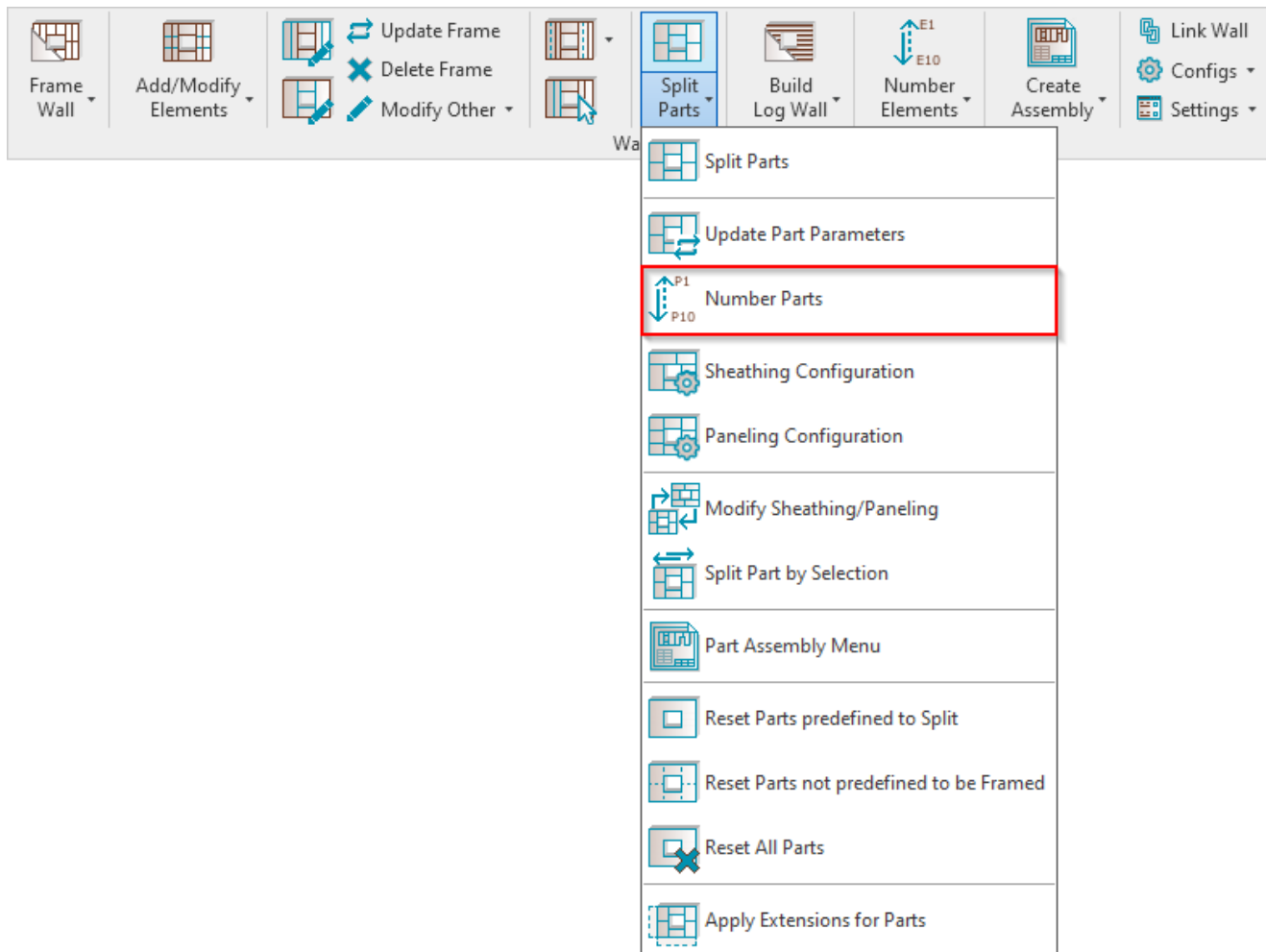
or:

Number Parts - renumbers all sheathing/paneling elements (Parts) by predefined configuration in **Numbering Setup → Part Numbering Configuration**. Part numbering configurations come from **Sort Mark** **(http://www.aga-cad.com/products/tools4revit/sort-mark)**.
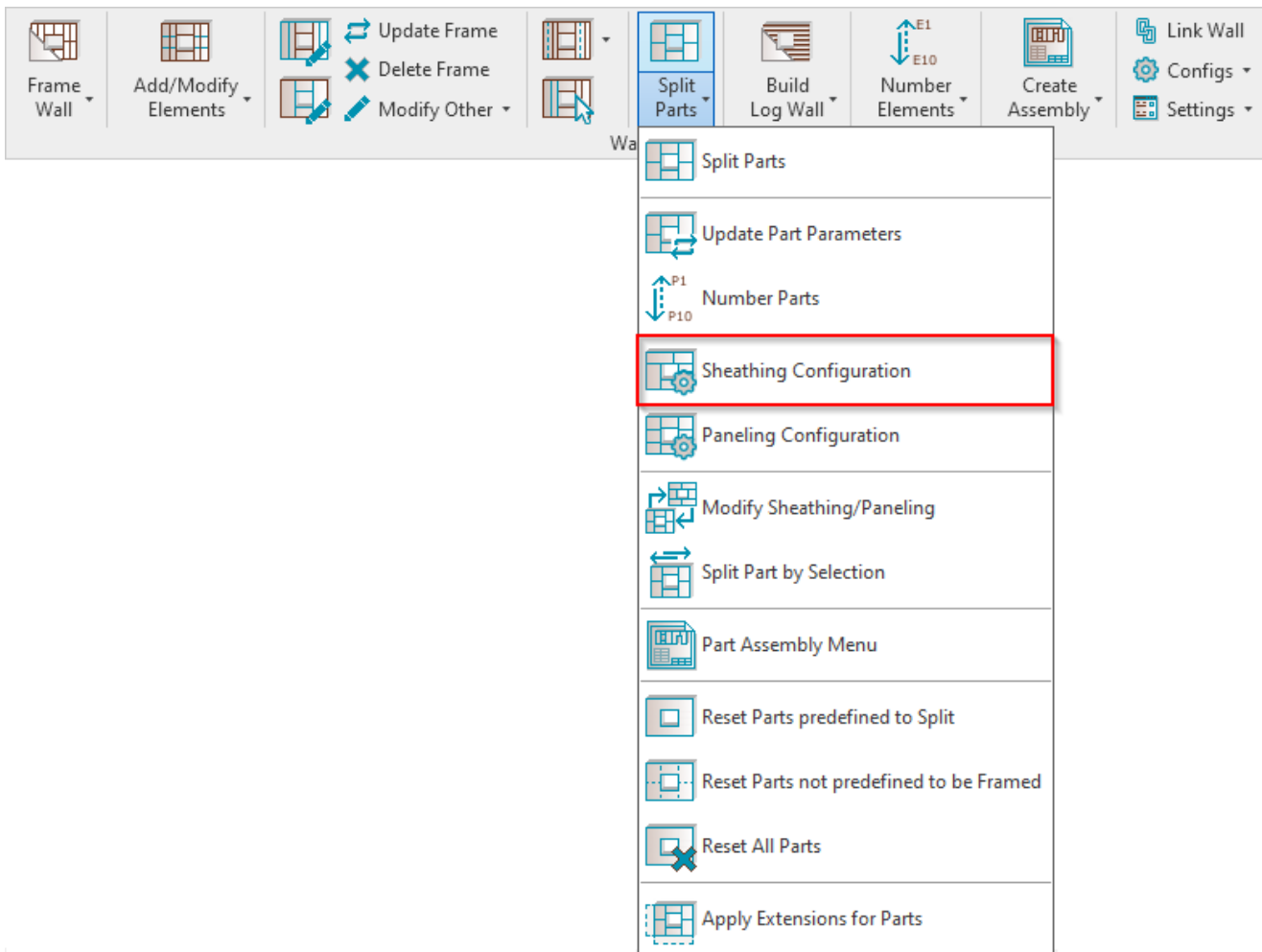
Example: *All sheathing/paneling elements (Parts) are grouped by **Framing Member Mark**, uniquely numbered, and have **Framing Member Mark** value as a prefix. Result is written to the **Mark** instance parameter.*
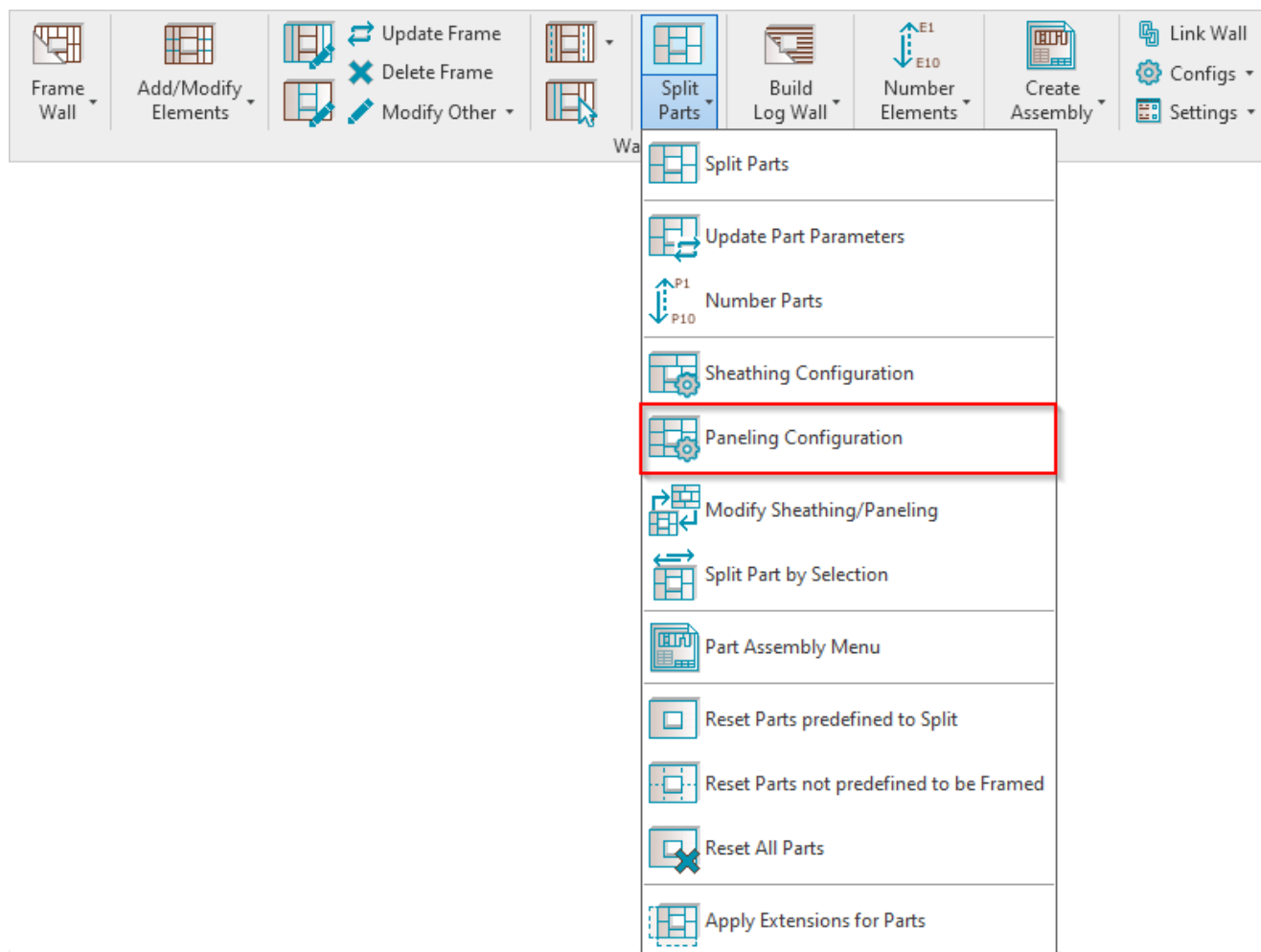*Sort Mark E-Help >>*
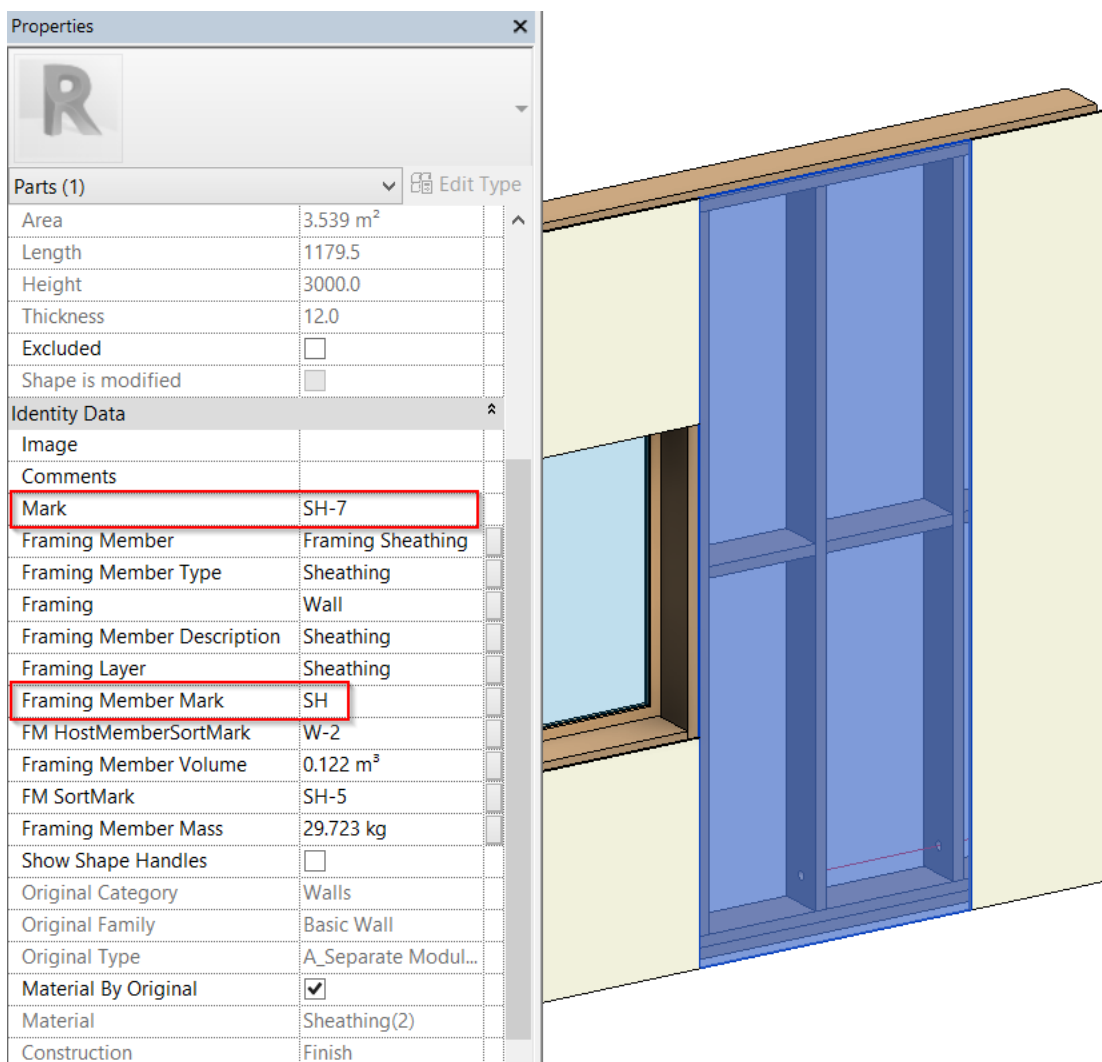
Sheathing Configuration

Sheathing Configuration – allows user to configure and save settings for the sheathing layouts. These settings can be saved and linked with wall layer using **Link Wall**.

Read more >> (https://agacad.freshdesk.com/a/solutions/articles/44001695487-sheathing-and-paneling-layouts-sheathing-configuration)
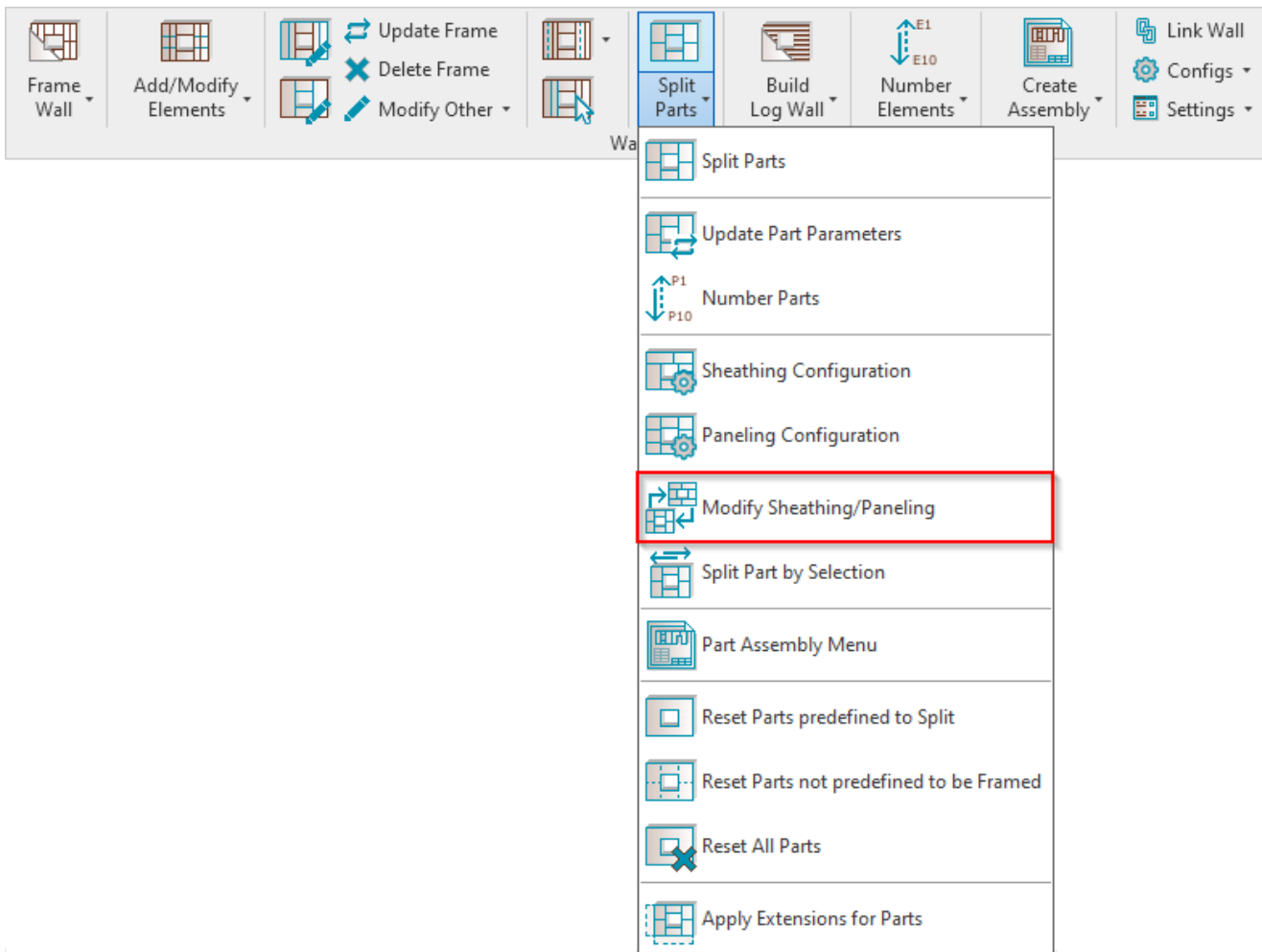

Paneling Configuration

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**.

Read more >> (https://agacad.freshdesk.com/a/solutions/articles/44001698865-sheathing-and-paneling-layouts-paneling-configuration)
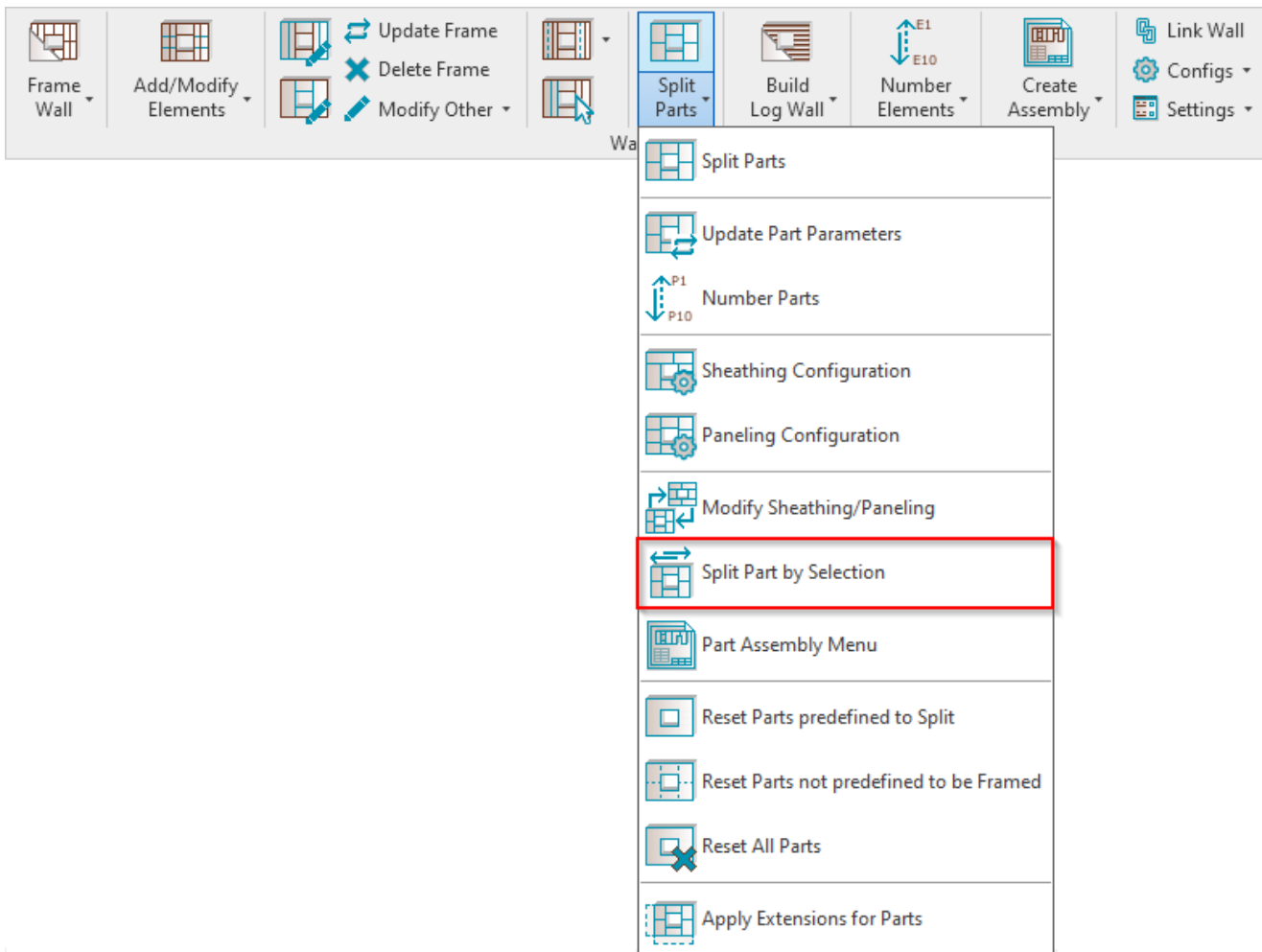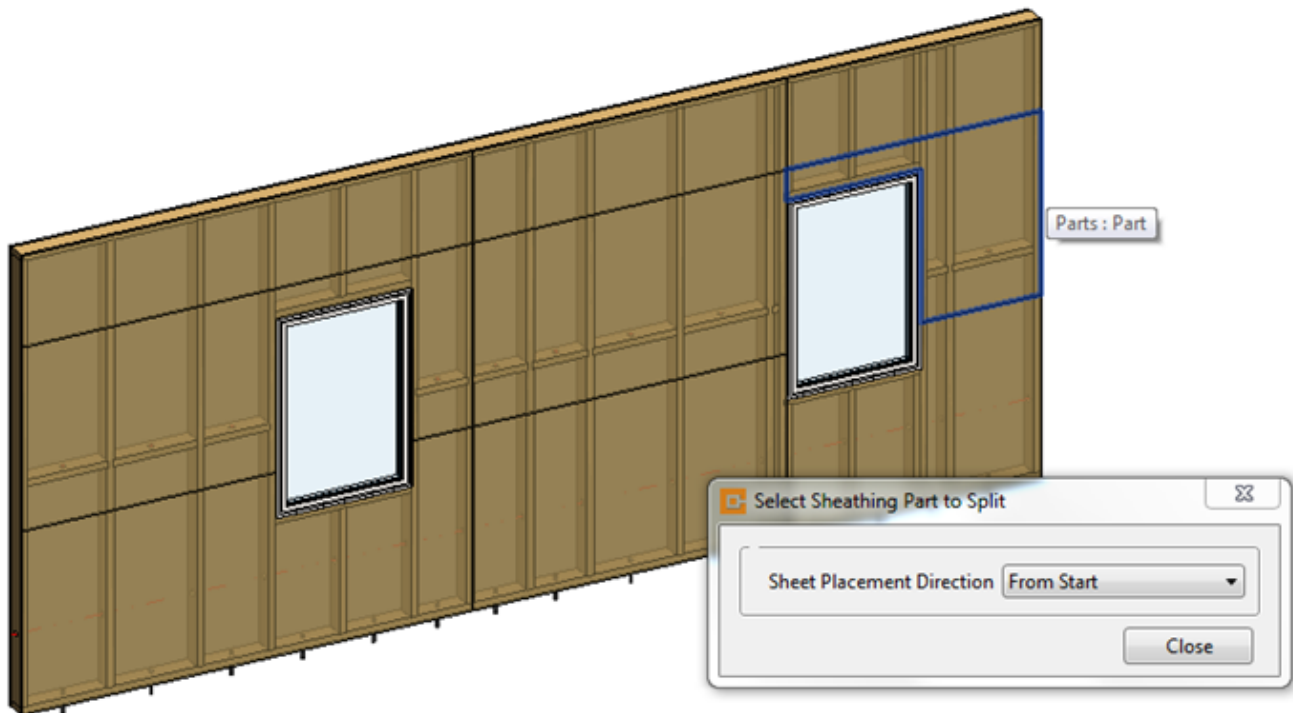
Modify Sheathing/Paneling

Modify Sheathing/Paneling – changes selected wall layer sheathing/paneling configuration to the new one from the list.
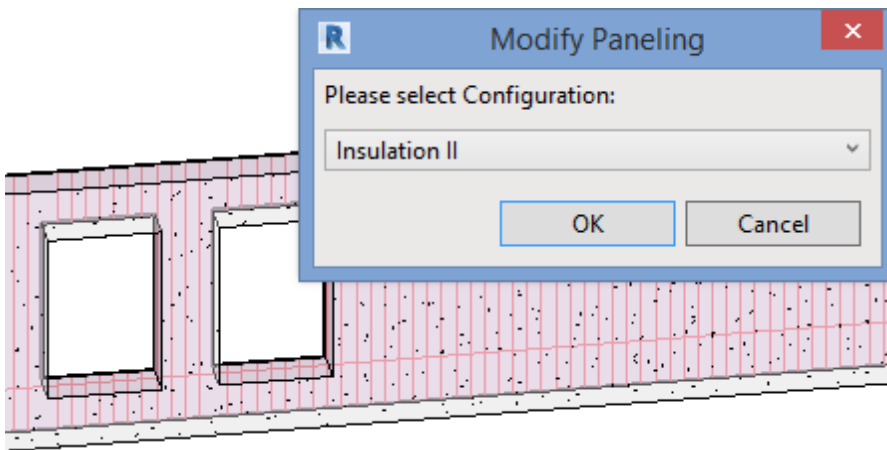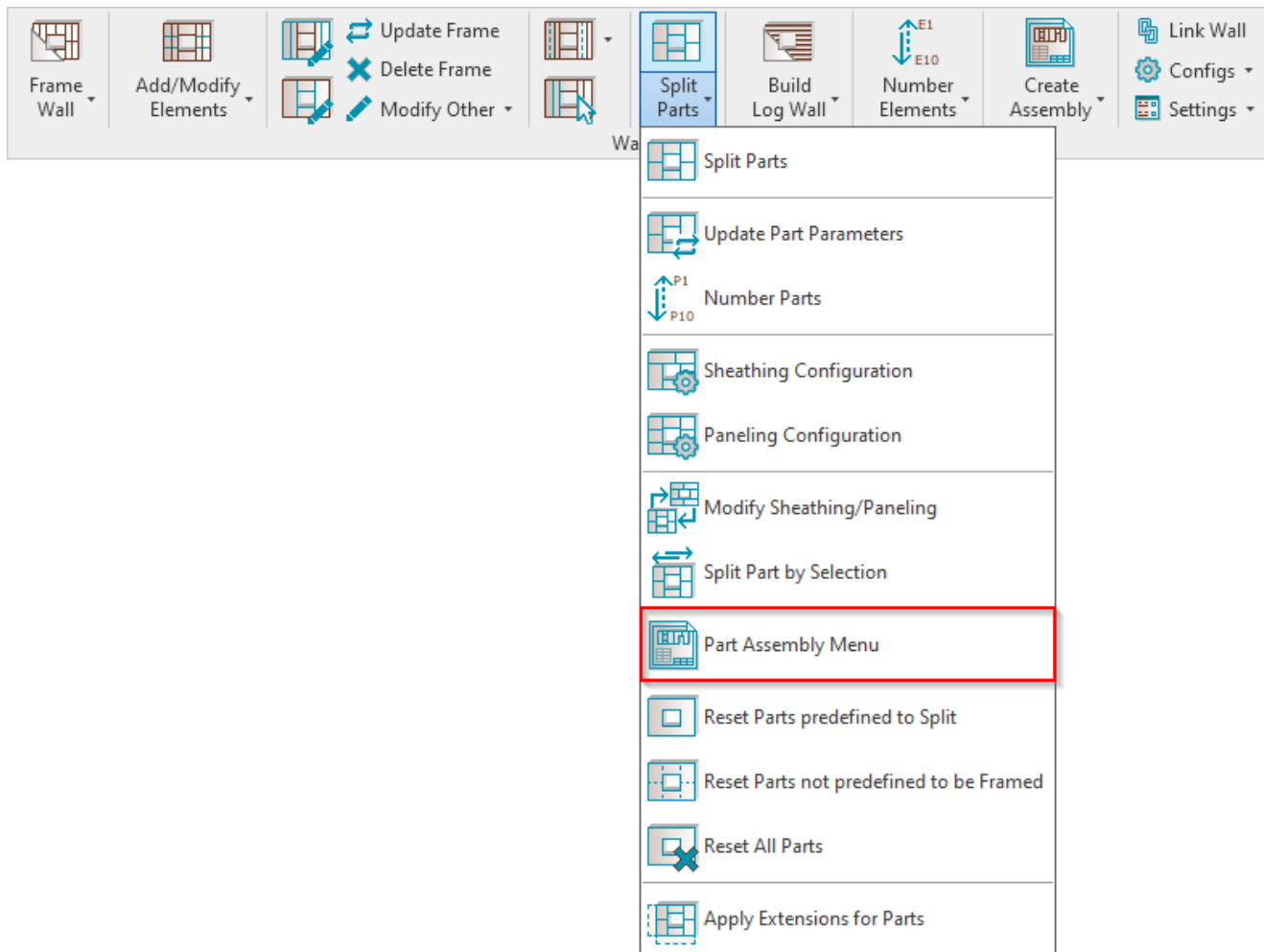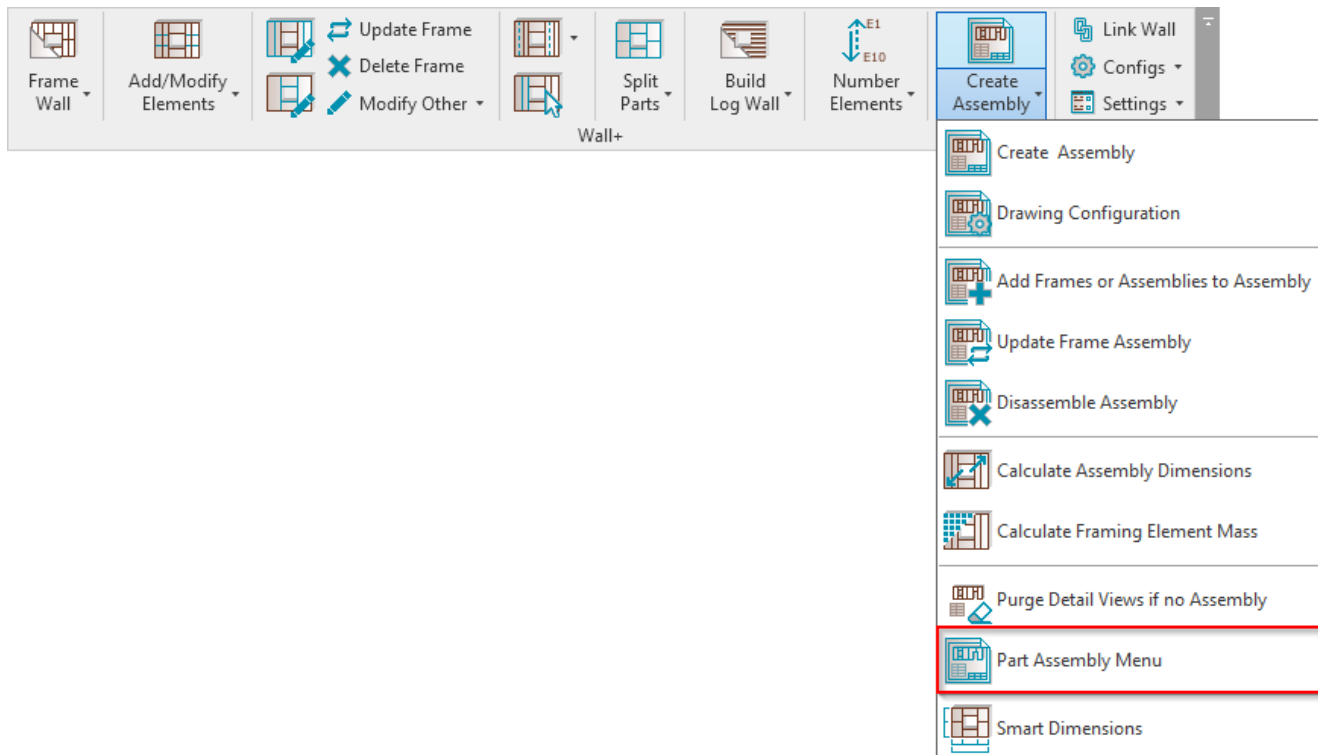

Split Part by Selection

Split Part by Selection – splits selected sheathing/paneling layout by predefined placement direction: **From Start**, **From End**, or **From both Sides**.
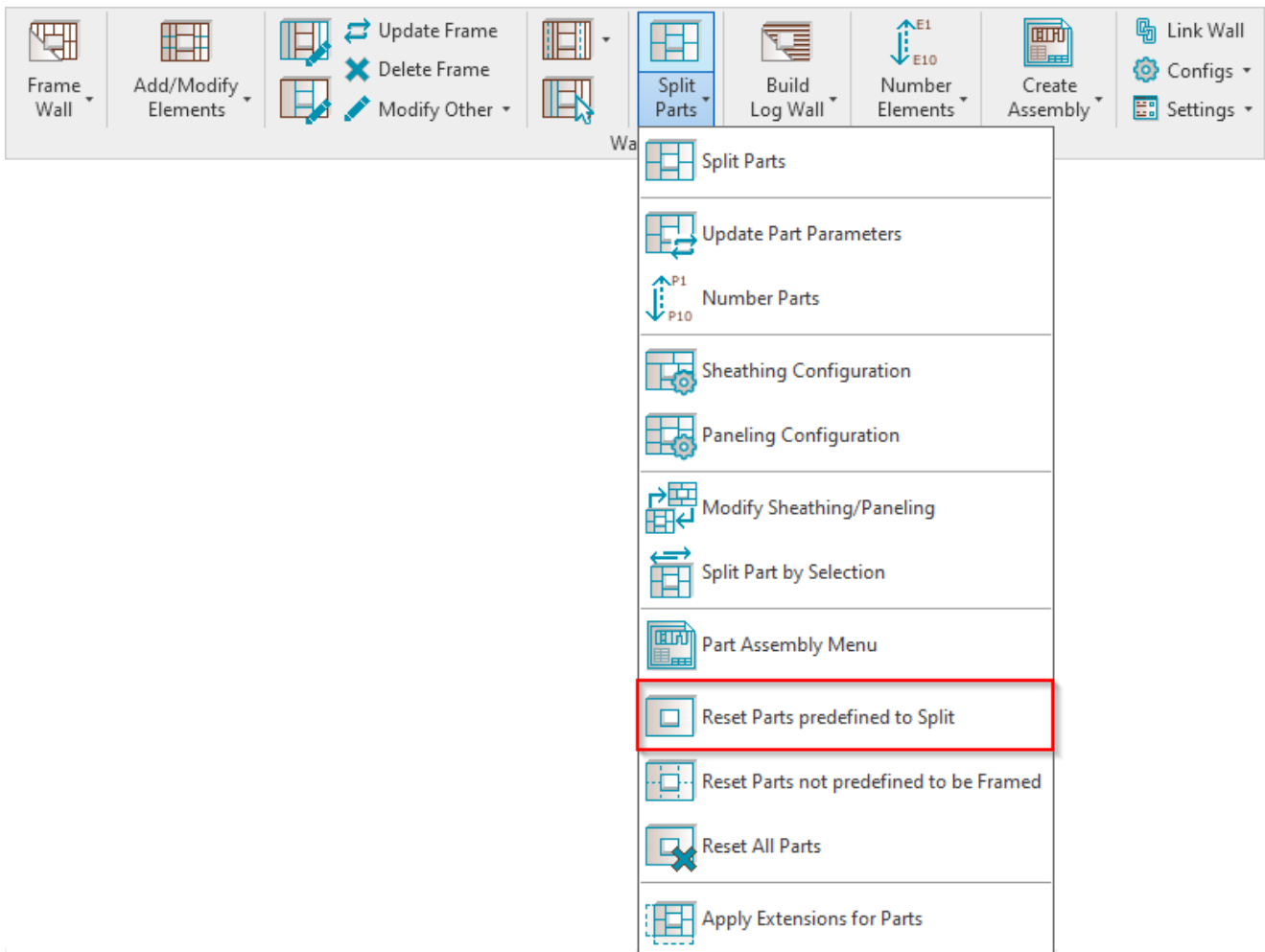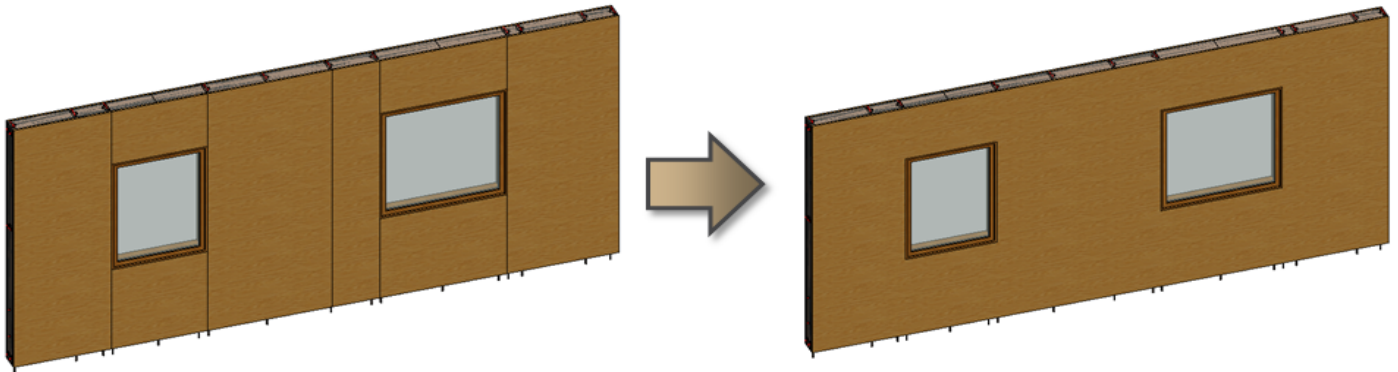

Part Assembly Menu

or:

Part Assembly Menu – features for creating assemblies from parts and different part selection options.

Read more >> (https://agacad.freshdesk.com/a/solutions/articles/44001706615-shop-drawings-part-assembly-menu)
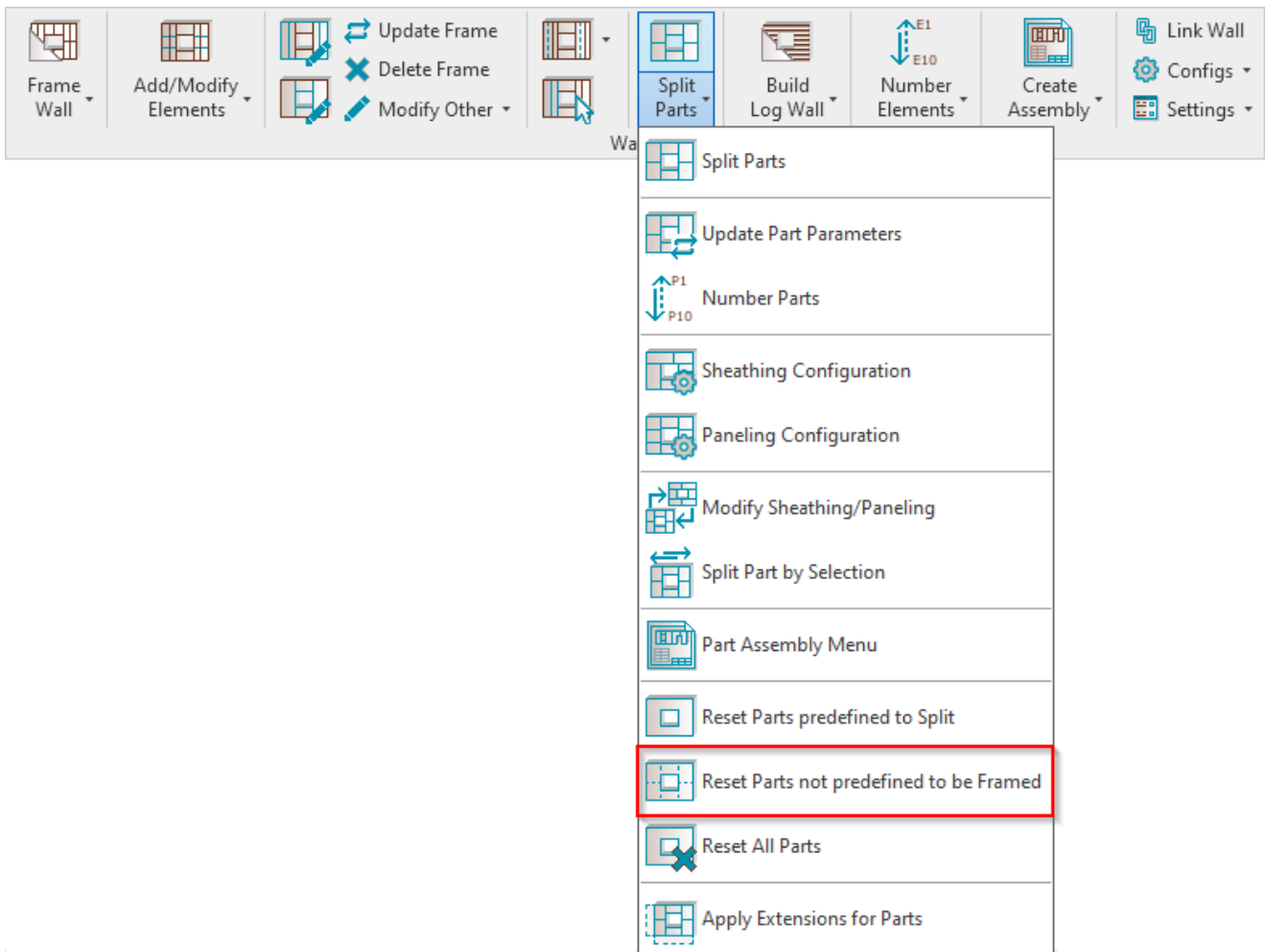
Reset Parts predefined to Split

Reset Parts predefined to Split – resets sheathing/paneling layout to a single part.
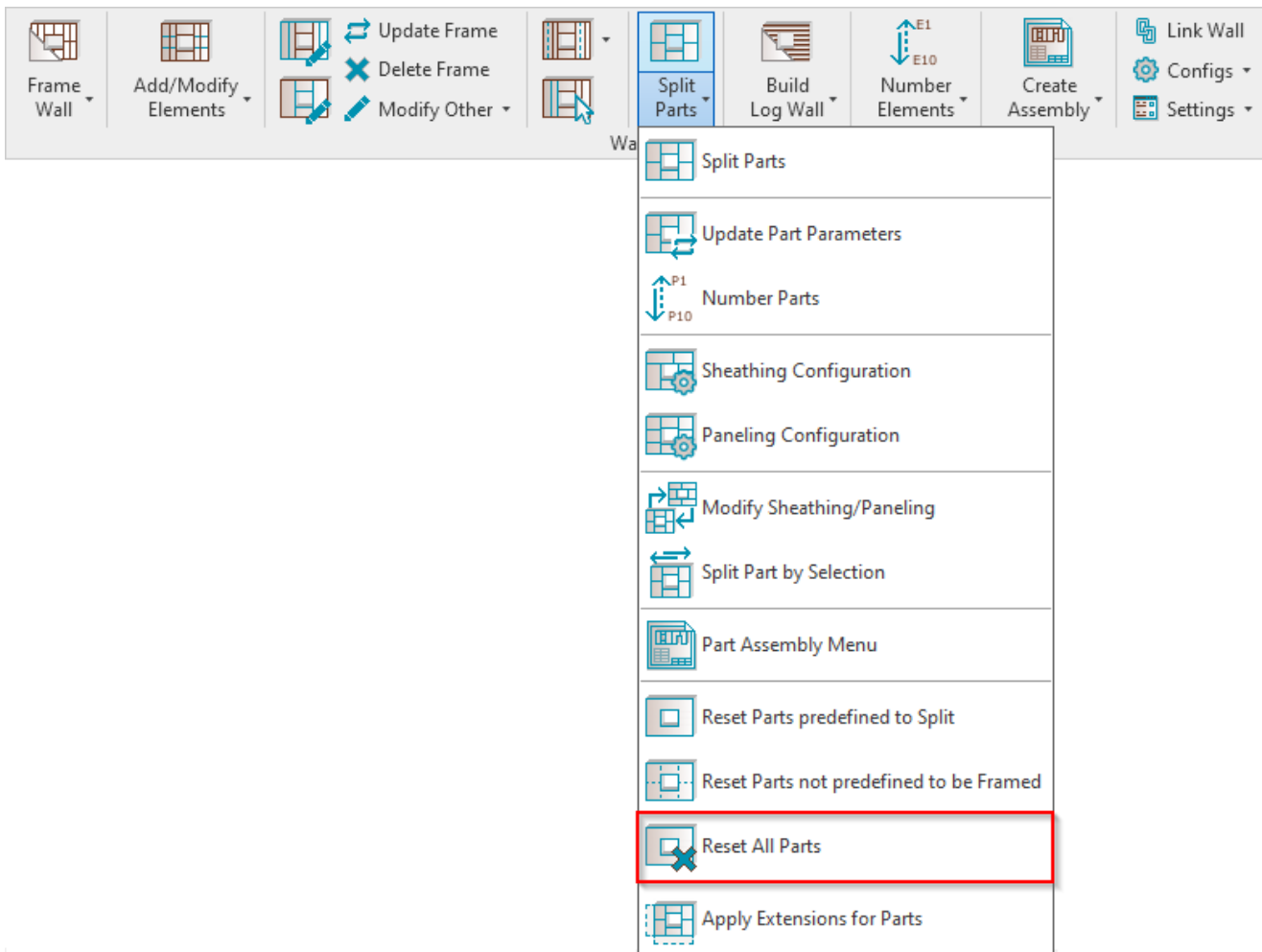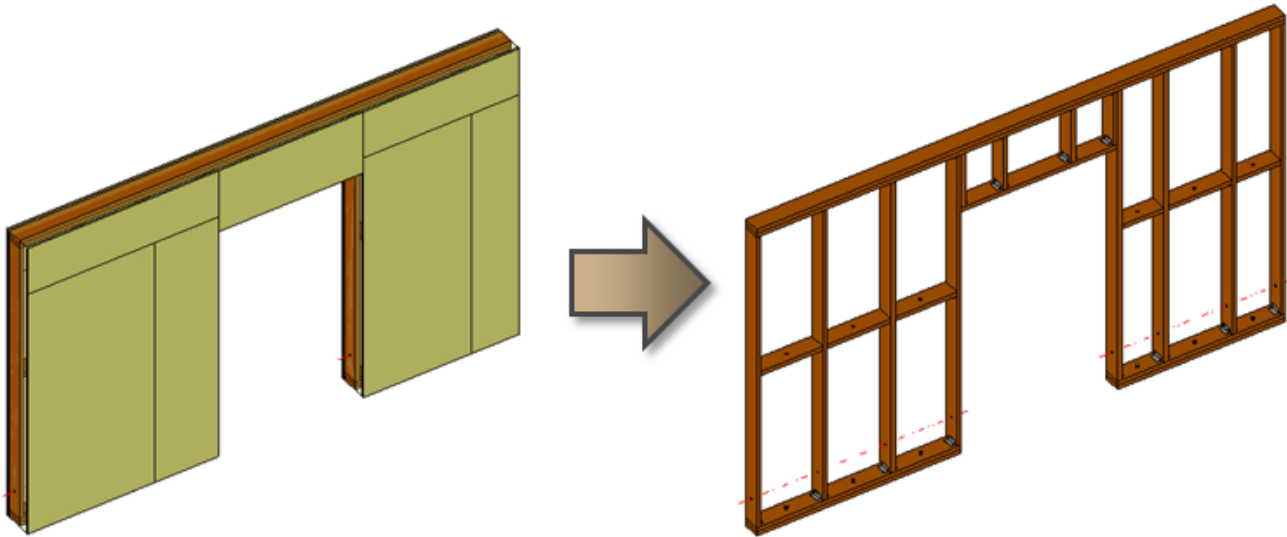

Reset Parts not predefined to be Framed

Reset Parts not predefined to be Framed – resets sheathing/paneling parts that were not predefined to be framed.
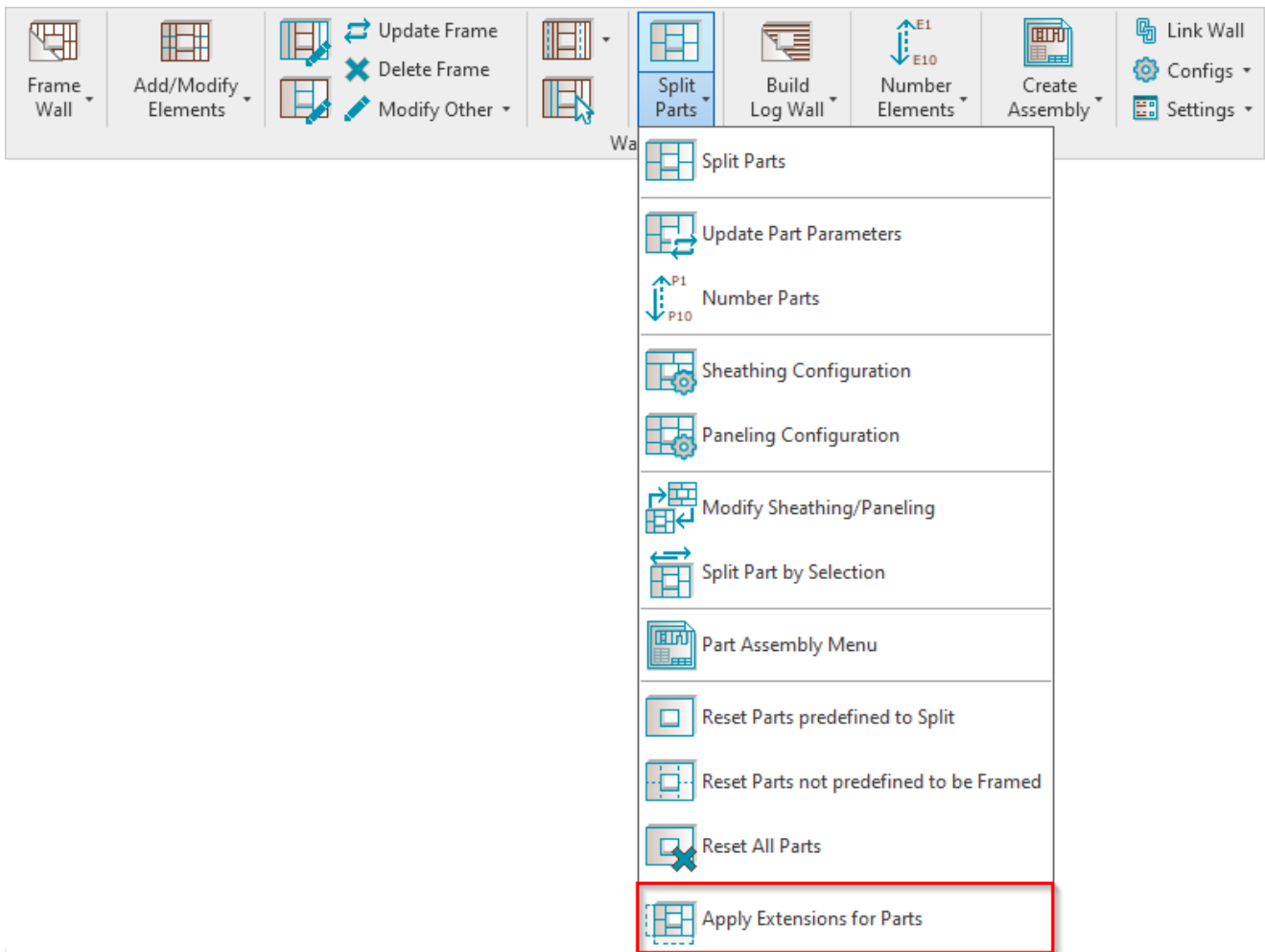
Reset All Parts

Reset All Parts – resets all sheathing/paneling layouts from selected wall.

Apply Extensions for Parts

Apply Extensions for Parts – applies extensions for sheathing/paneling parts and merges all part segments. Extension values come from **Sheathing** or **Paneling Configuration**.