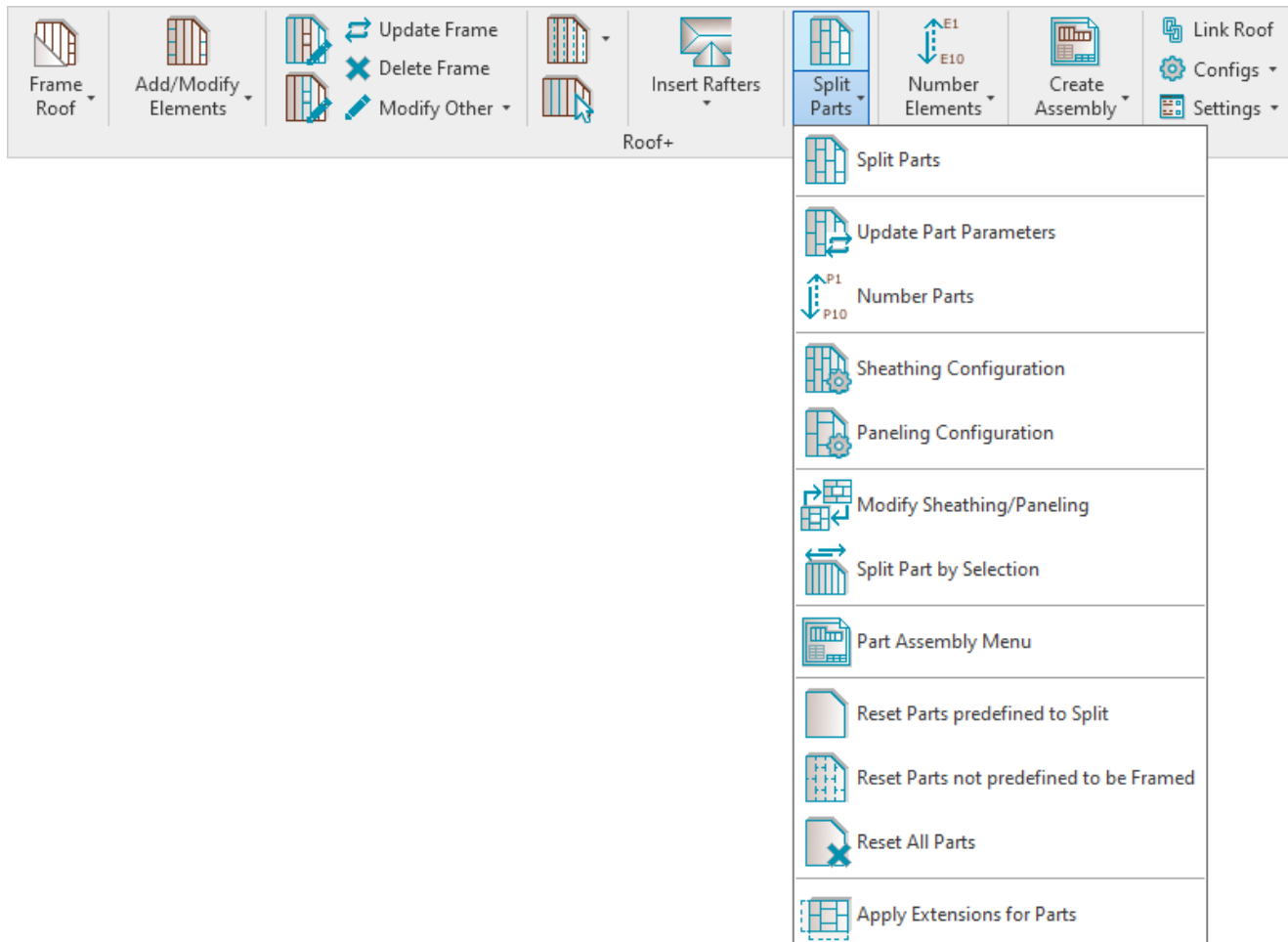


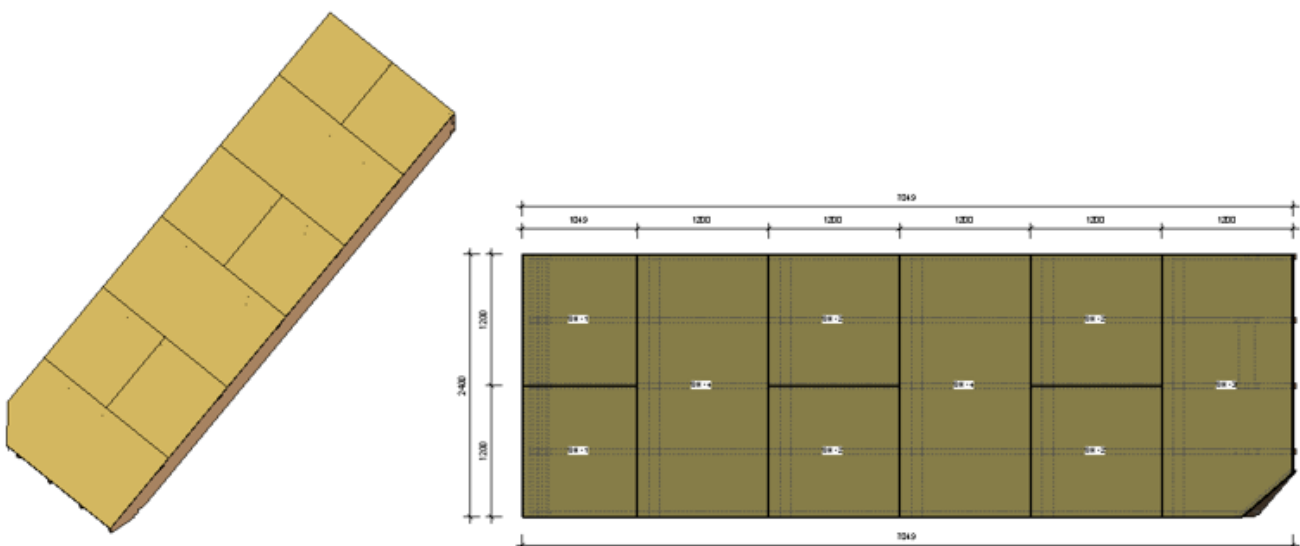
SHEATHING and PANELING LAYOUTS – Main Features

Modified on: Sat, 14 Sep, 2019 at 10:54 AM

Sheathing and Paneling Layouts



Wood Framing Roof+ automates the creation of sheathing and paneling layouts. Sheathing or paneling layouts can be generated and split by existing joists or other predefined rules.



Sheathing Schedule				
FM SortMark	Thickness	Area	Count	Framing Member Mass

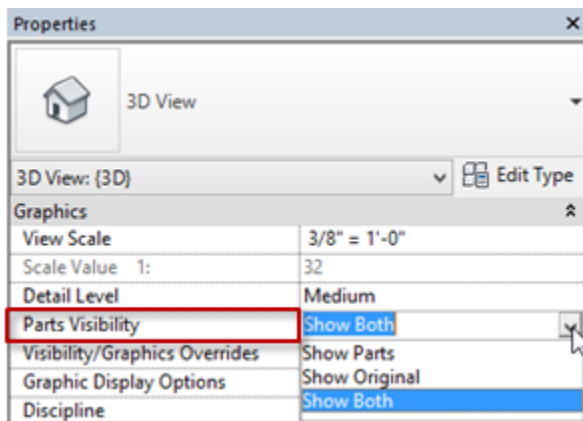
F-6

SH - 1	0.8"	0.09 SF	1	0.19 lbm
SH - 2	0.8"	1.50 SF	6	3.23 lbm
SH - 3	0.8"	9.22 SF	1	19.86 lbm
SH - 4	0.8"	9.31 SF	1	20.06 lbm
SH - 5	0.8"	10.50 SF	1	22.62 lbm
SH - 6	0.8"	46.33 SF	4	99.79 lbm
SH - 7	0.8"	13.08 SF	1	28.17 lbm
SH - 8	0.8"	96.00 SF	6	206.76 lbm
SH - 9	0.8"	16.69 SF	1	35.94 lbm
SH - 10	0.8"	18.46 SF	1	39.76 lbm
SH - 11	0.8"	19.98 SF	1	43.04 lbm
SH - 12	0.8"	23.06 SF	1	49.67 lbm
SH - 13	0.8"	24.81 SF	1	53.44 lbm
SH - 14	0.8"	152.88 SF	6	329.26 lbm
SH - 15	0.8"	25.73 SF	1	55.41 lbm
SH - 16	0.8"	28.83 SF	1	62.09 lbm
SH - 17	0.8"	115.46 SF	4	248.67 lbm
SH - 18	0.8"	30.68 SF	1	66.08 lbm
SH - 19	0.8"	30.79 SF	1	66.31 lbm
SH - 20	0.8"	30.94 SF	1	66.64 lbm
SH - 21	0.8"	31.02 SF	1	66.82 lbm
SH - 22	0.8"	320.00 SF	10	689.20 lbm
52		1055.38 SF		2273.03 lbm

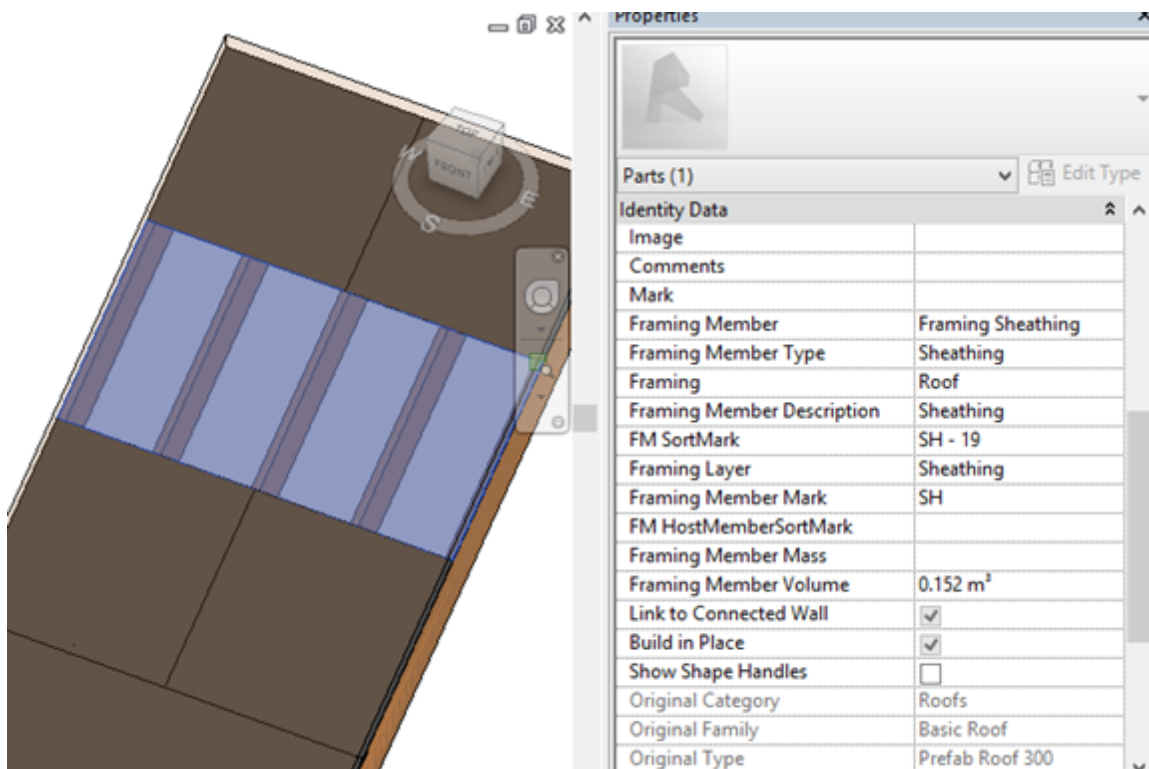
Before you start

Sheathing or paneling is created using Revit **Parts**.

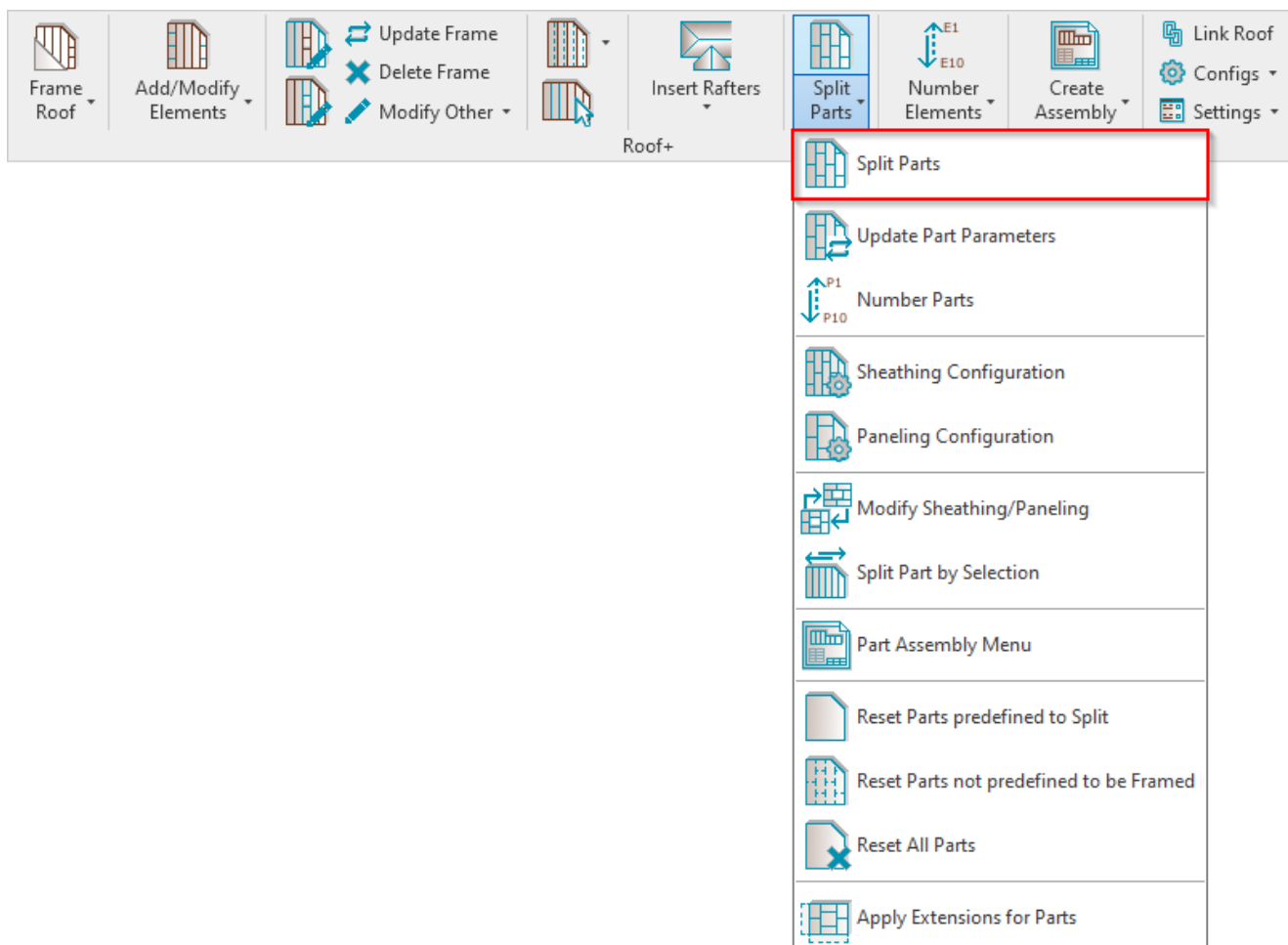
In order to see the sheathing or paneling, you have to select **Show Parts** or **Show Both** in **View Properties** → **Parts Visibility**.



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.

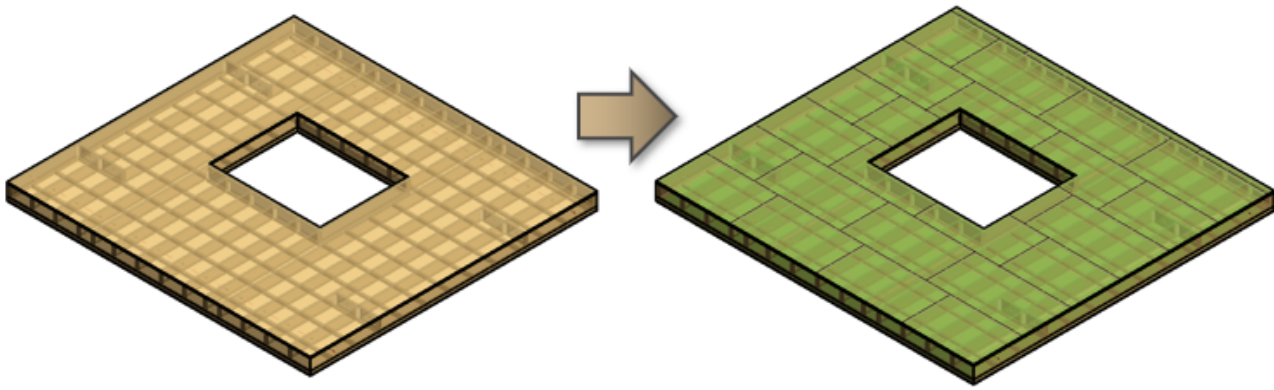


Split Parts



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

*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 roof layer has the conditions below in **Link Roof**:

- **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.

Link Roof

Family: Basic Roof
Type: Roof 300 - for Rafters
Total thickness: 450

Layers

Framing Layer	Framing Configuration	Configuration	Frame	Frame Part	Split Parts	Split by	Sheathing/Paneling Configuration	Exclude Parts
Roofing	M_Roof Paneling	Fixed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Panel	<input type="checkbox"/>
Batten	M_Roof_Panel Battens	Fixed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-- None --	<input checked="" type="checkbox"/>
Secondary Frame	M_Roof_Panel Secondary Frame	Fixed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Panel	<input checked="" type="checkbox"/>
Sheathing	-- None --	Fixed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Roof Frame - 1 Top & 1 Bottom Layer	<input type="checkbox"/>
Frame	M_Roof_Rafter Main Frame	Fixed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Panel	<input checked="" type="checkbox"/>
Paneling	-- None --	Fixed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Panel	<input checked="" type="checkbox"/>

Cancel OK

Roof+. Sheathing Config

Configuration: Roof Frame - 1 Top & 1 Bottom Layer

Save Duplicate... Rename... Delete

Roof Frame - 1 Top & 1 Bottom Layer with Row Overlay

Roof Frame - 1 Top & 1 Bottom Layer

Sheathing Layout

Mark Settings

Opening

End Connection

Vertical Sheathing

Width 1200

Length 3000

Horizontal Sheathing

Width 1200

Length 3000

Preview

OK Cancel

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 roof, for example, two sheathing/paneling layers and you want to split only one.

Link Roof

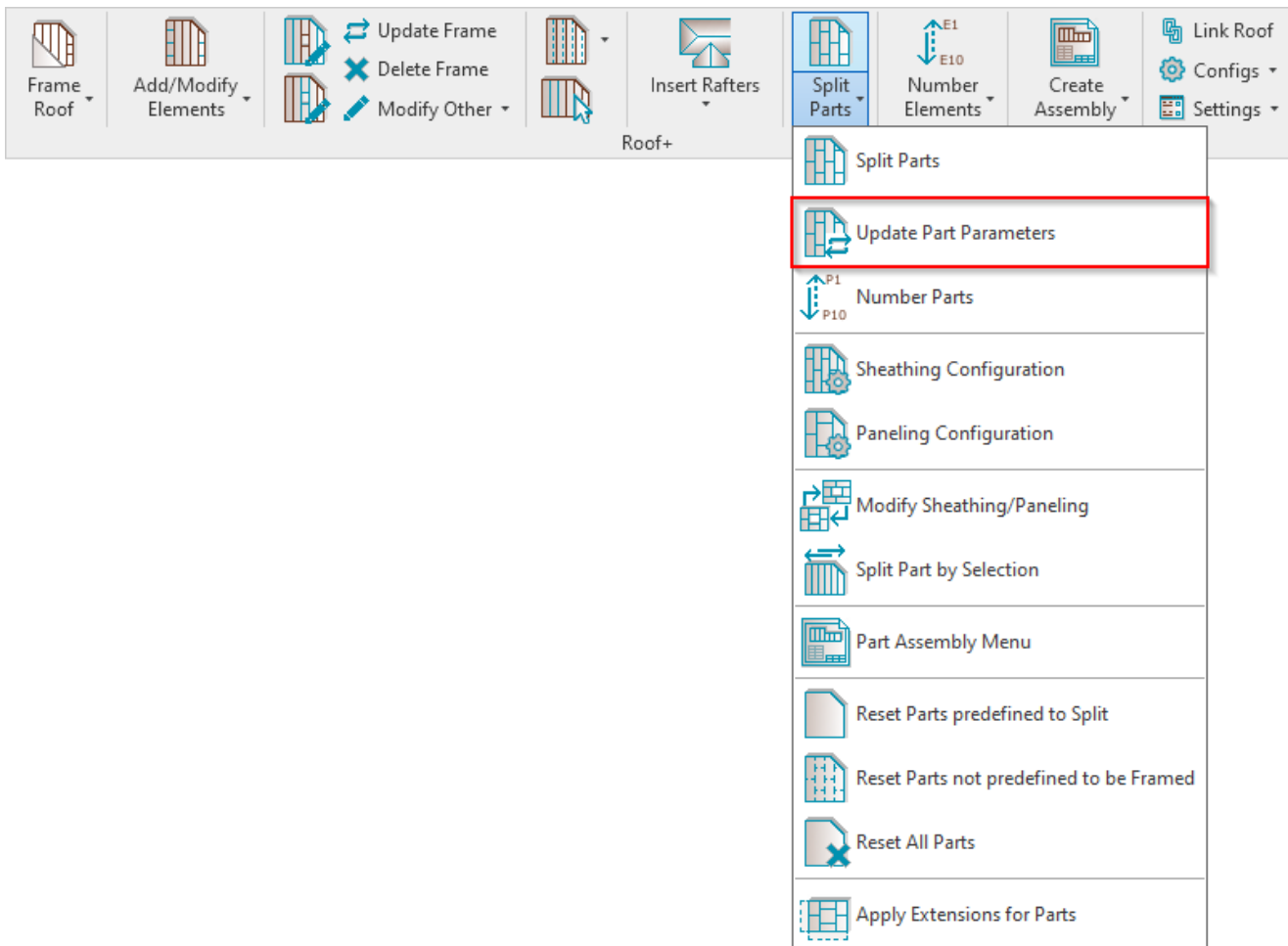
Family: Basic Roof
Type: Roof 300 - for Rafters
Total thickness: 450

Layers

EXTERIOR SIDE									
Framing Layer	Framing Configuration	Configuration	Frame	Frame Part	Split Parts	Split by	Sheathing/Paneling Configuration	Exclude Parts	
Roofing	M_Roof Paneling	Fixed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	Panel	<input type="checkbox"/>	
Batten	M_Roof_Panel Battens	Fixed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	-- None --	<input checked="" type="checkbox"/>	
Secondary Frame	M_Roof_Panel Secondary Frame	Fixed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Panel	<input checked="" type="checkbox"/>	
Sheathing	-- None --	Fixed	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Roof Frame - 1 Top & 1 Bottom Layer	<input type="checkbox"/>	
Frame	M_Roof_Rafter Main Frame	Fixed	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Panel	<input checked="" type="checkbox"/>	
Paneling	-- None --	Fixed	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Panel	<input checked="" type="checkbox"/>	

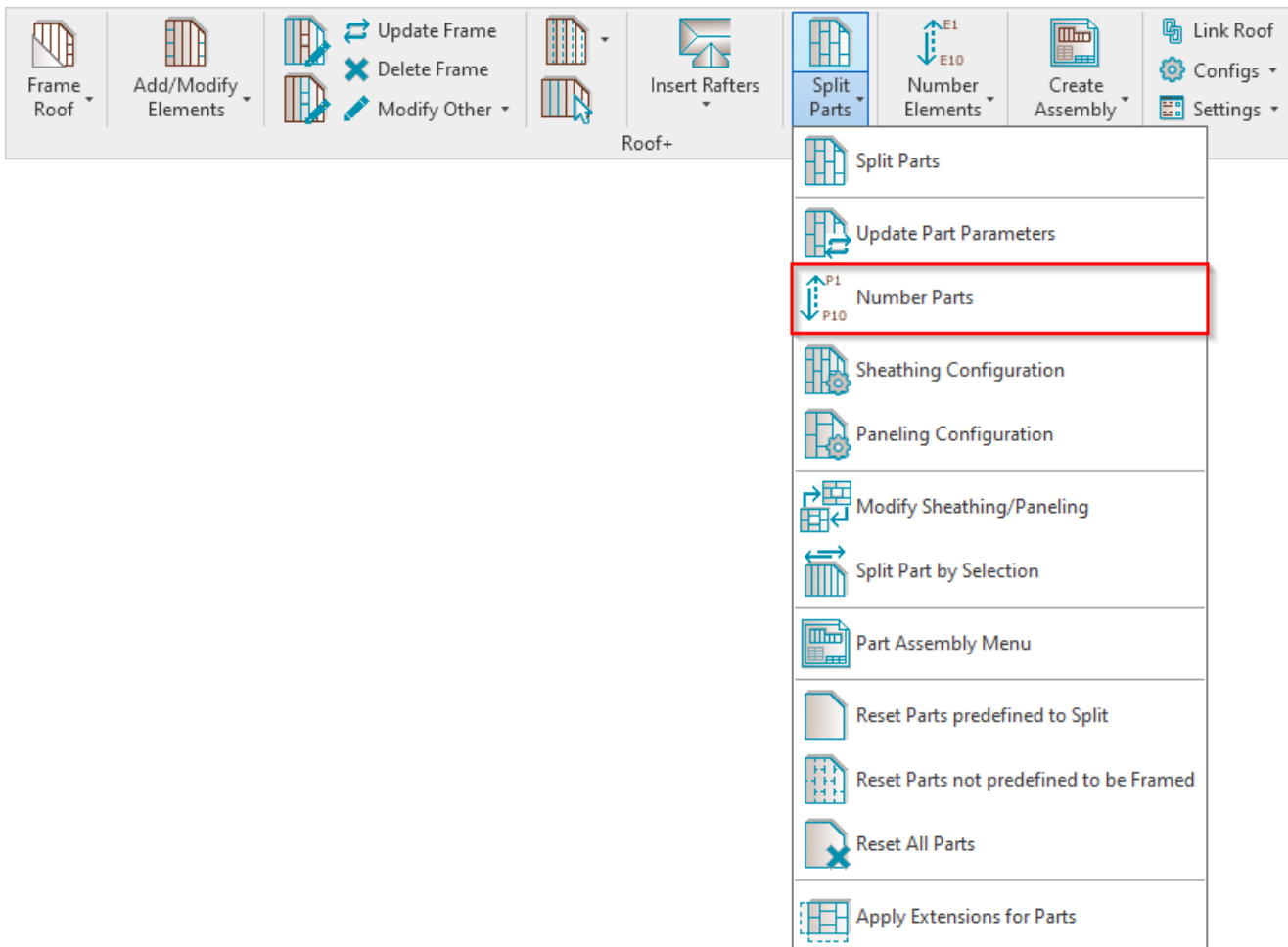
Cancel OK

Update Part Parameters

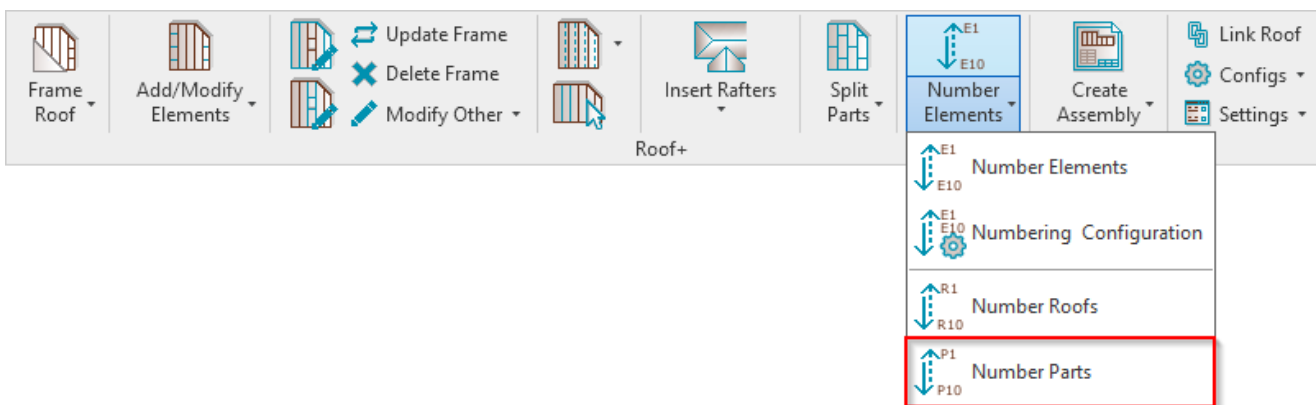


Update Part Parameters – updates part parameters from **Sheathing/Paneling Configuration** → **Mark Settings** without needing to use **Split Parts** on the roof again. Also enters **HostMemberSortMark** parameter.

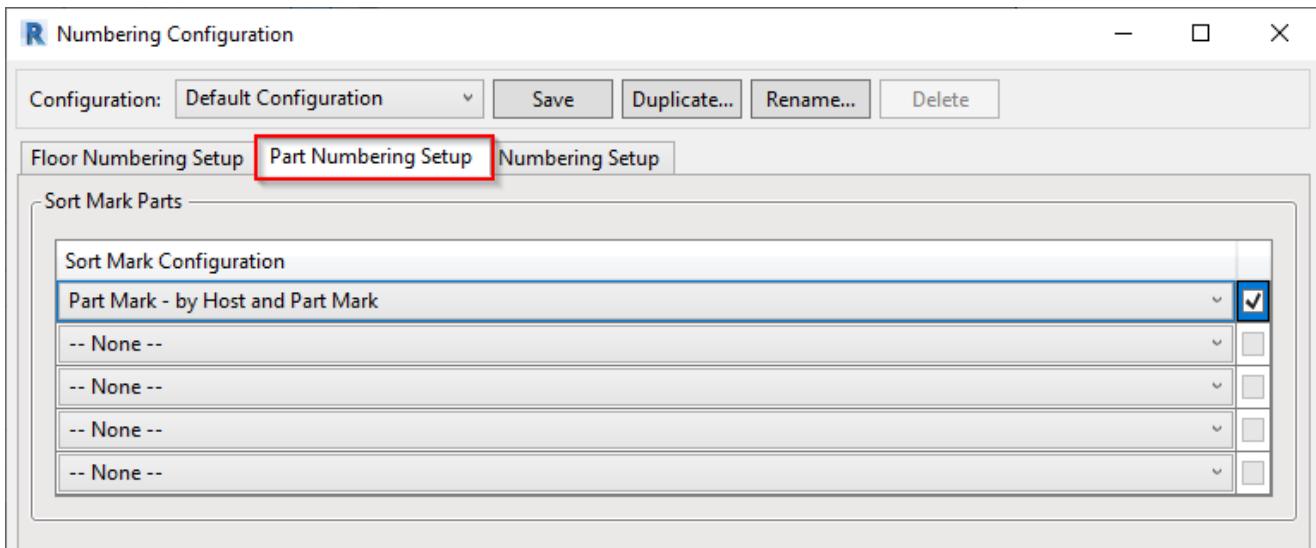
Number Parts



OR:

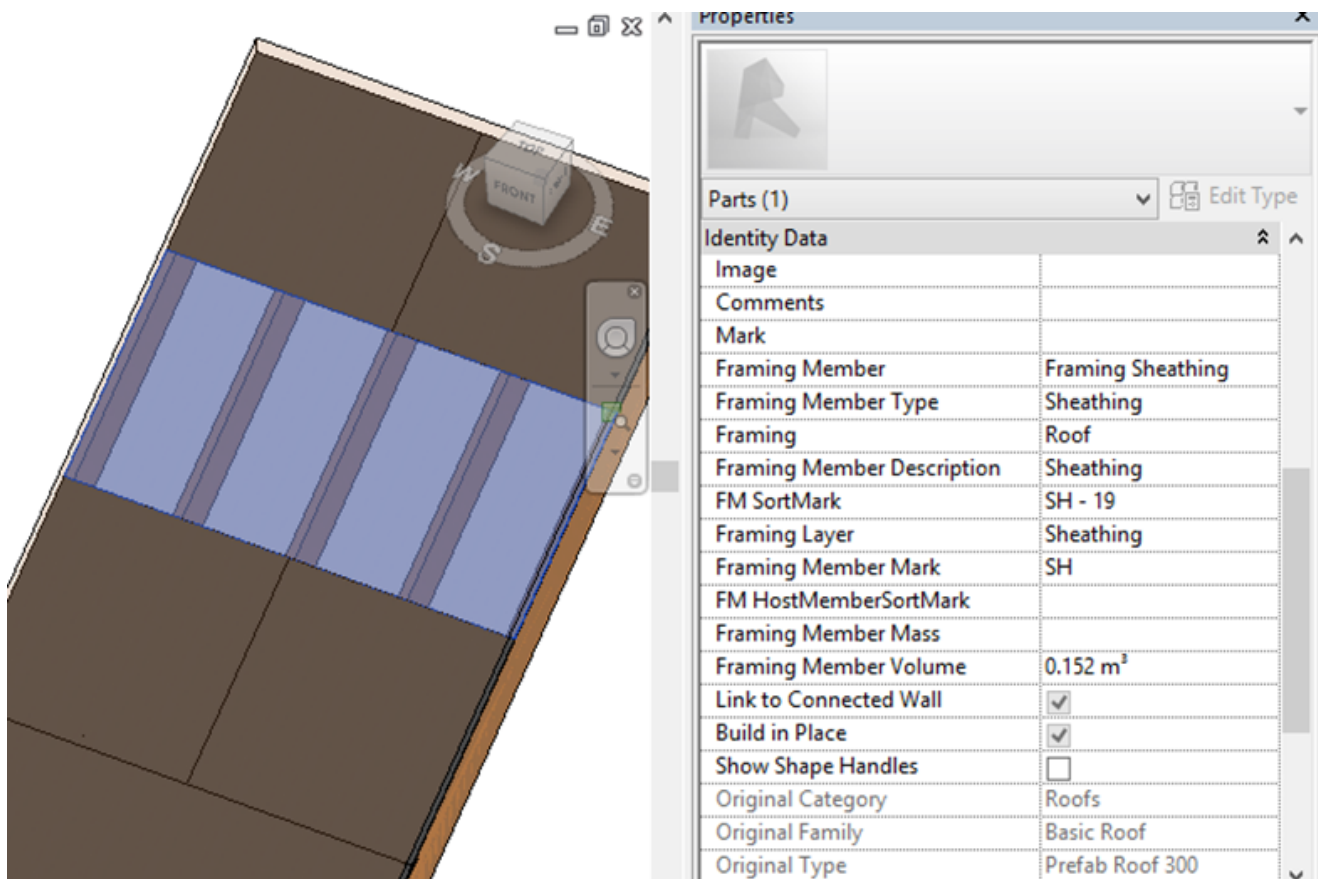


Number Parts – rennumbers all sheathing/paneling elements (Parts) by predefined configuration in **Numbering Setup** → **Part Numbering Configuration**. Part numbering configurations come from **Sort Mark** (<http://www.agacad.com/products/tools4revit/sort-mark>).

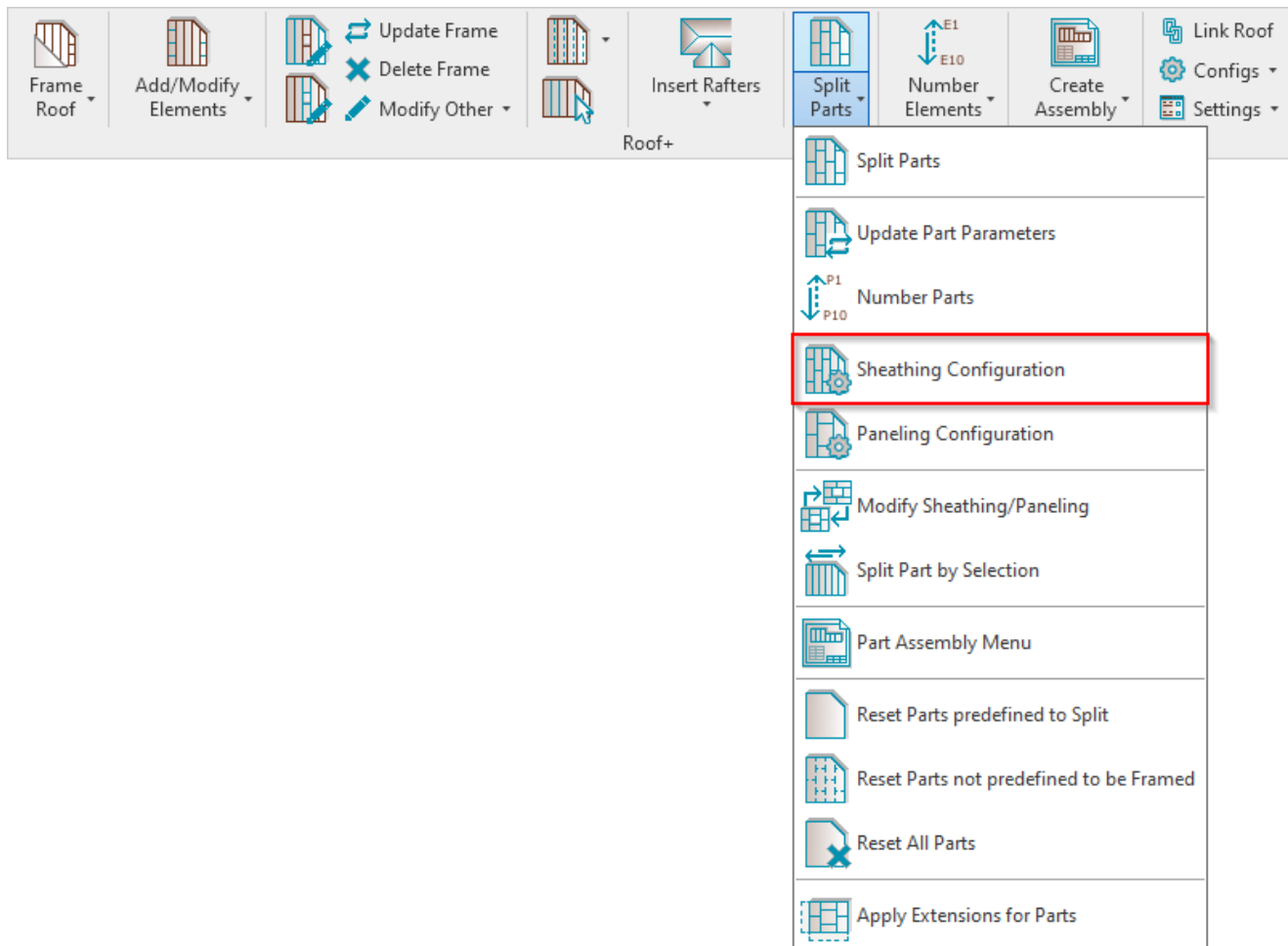


*Example: All sheathing/paneling elements (Parts) are grouped by **Framing Member Mark**, uniquely numbered, and have **Framing Member Mark** value as a prefix. Result is written to the **Mark** instance parameter.*

[Sort Mark E-Help >>](#)



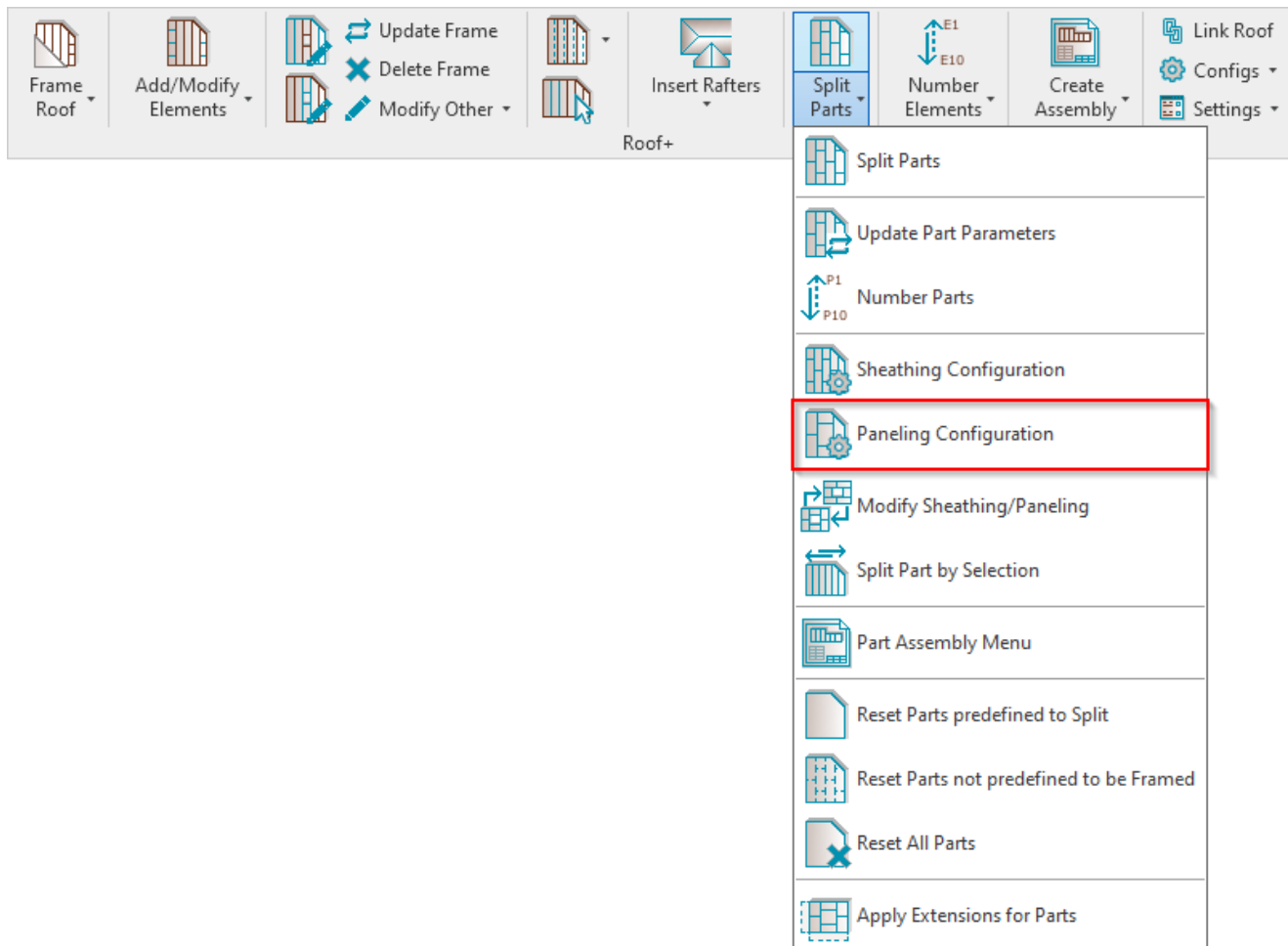
Sheathing Configuration



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

Read more >> (<https://agacad.freshdesk.com/support/solutions/articles/44001788693-sheathing-and-paneling-layouts-%E2%80%93-sheathing-configuration>).

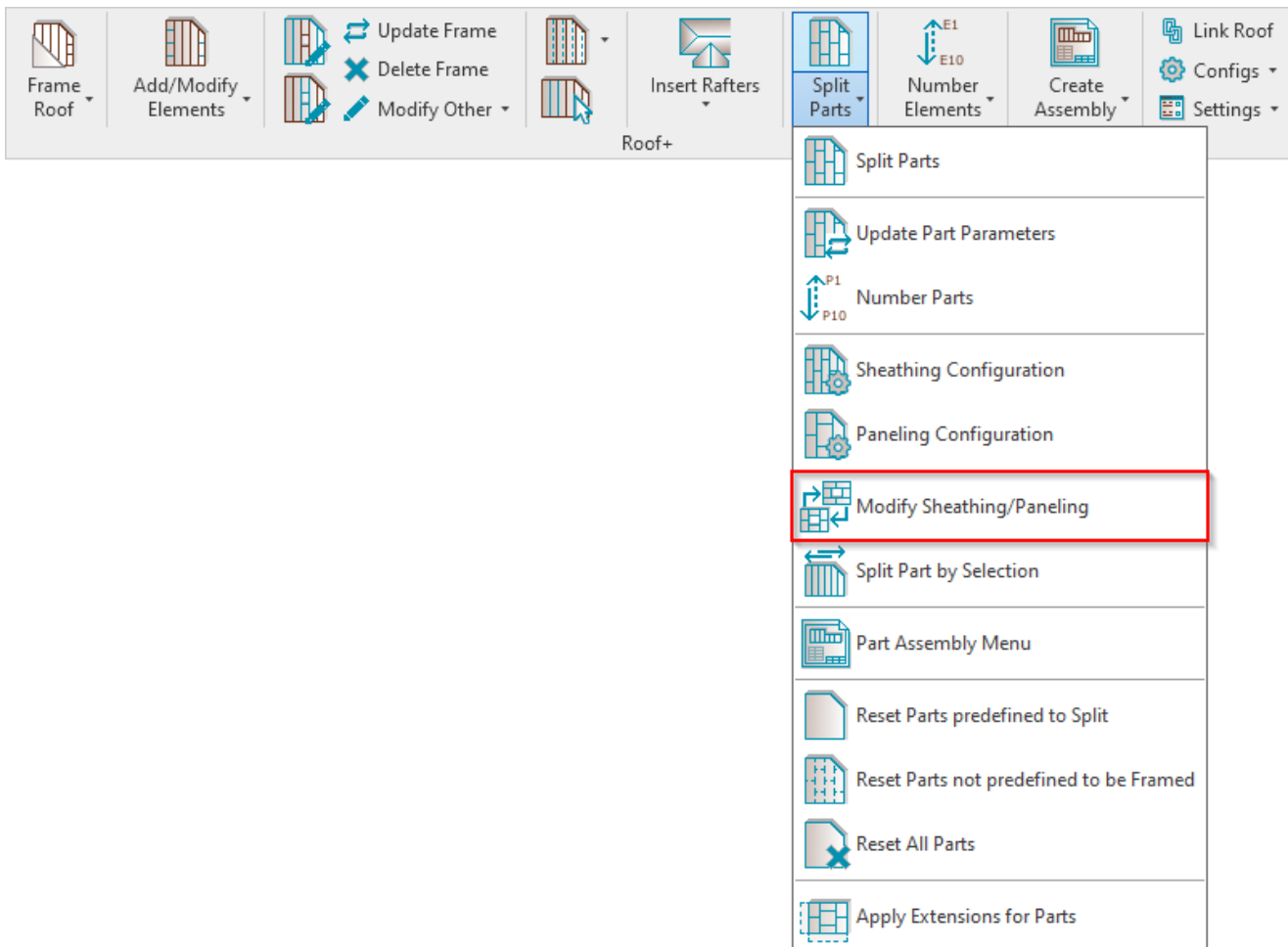
Paneling Configuration



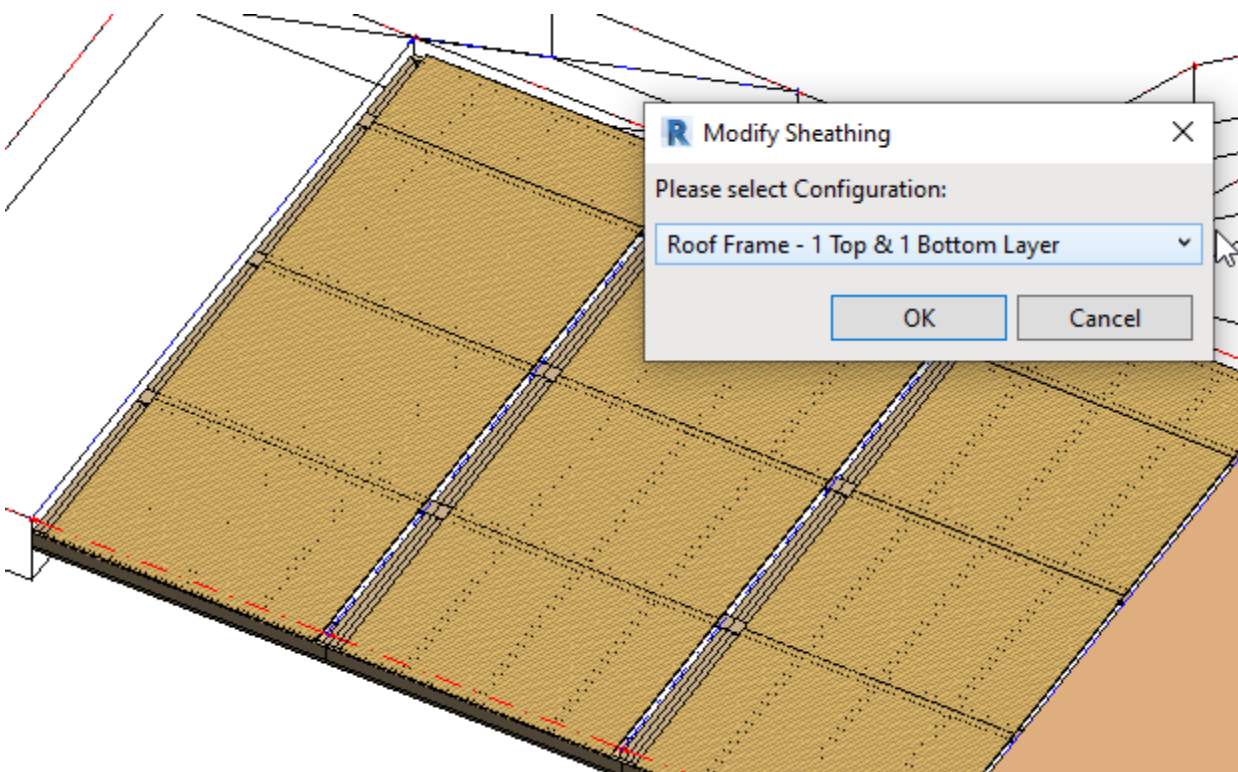
Paneling Configuration – allows you to configure and save settings for the paneling layouts. These settings can be saved and linked with roof layer using **Link Roof**.

Read more >> (<https://agacad.freshdesk.com/support/solutions/articles/44001788698-sheathing-and-paneling-layouts-%E2%80%93-paneling-configuration>).

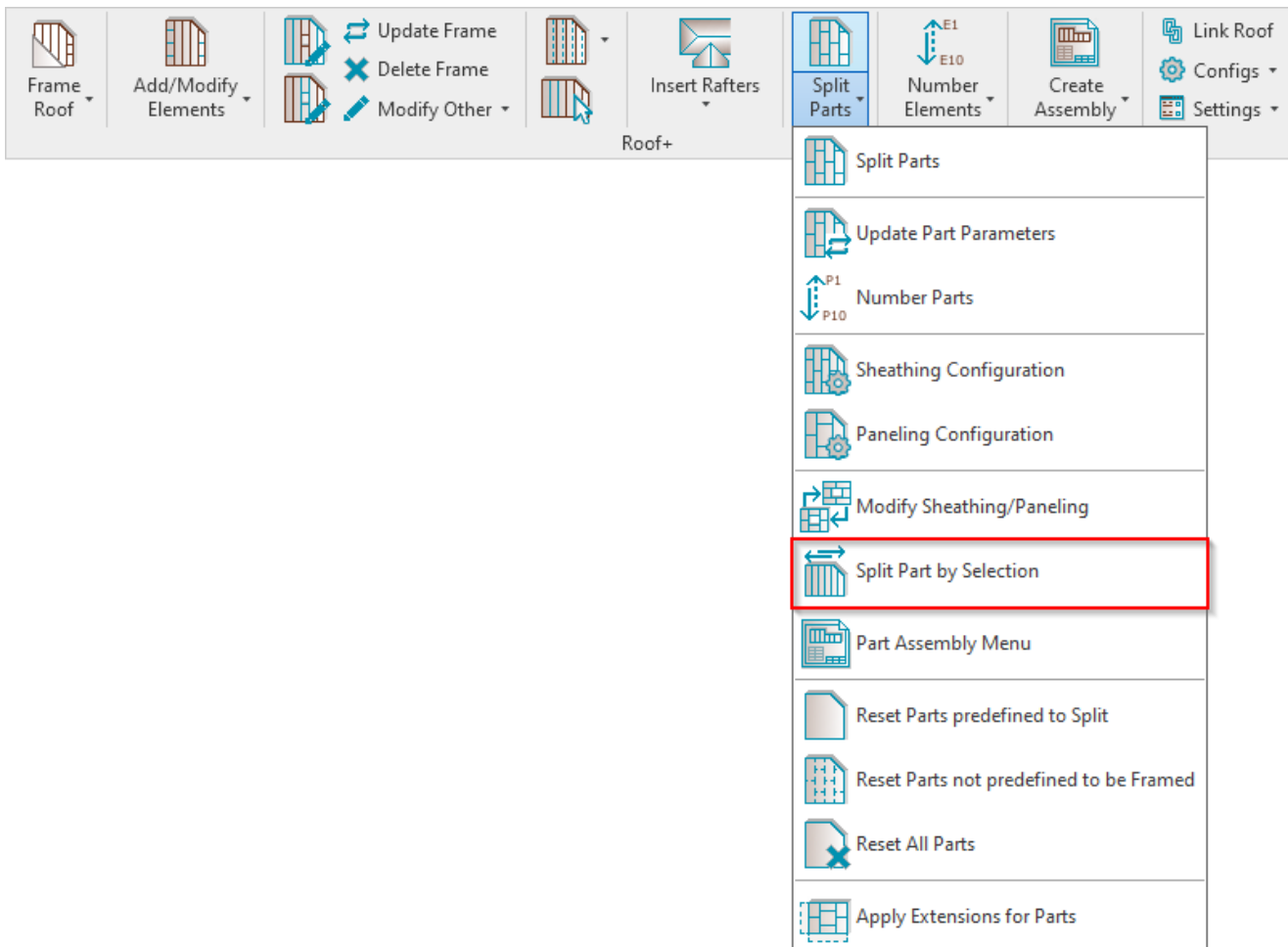
Modify Sheathing/Paneling



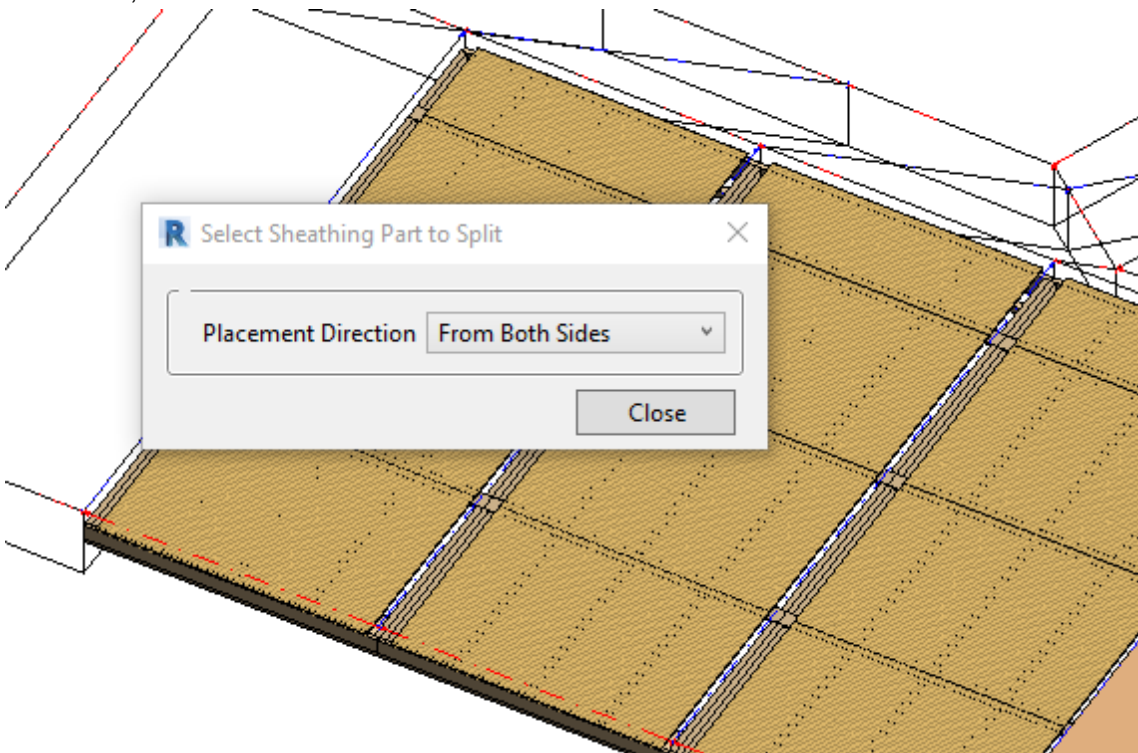
Modify Sheathing/Paneling – changes selected roof layer sheathing/paneling configuration to the new one from the list.



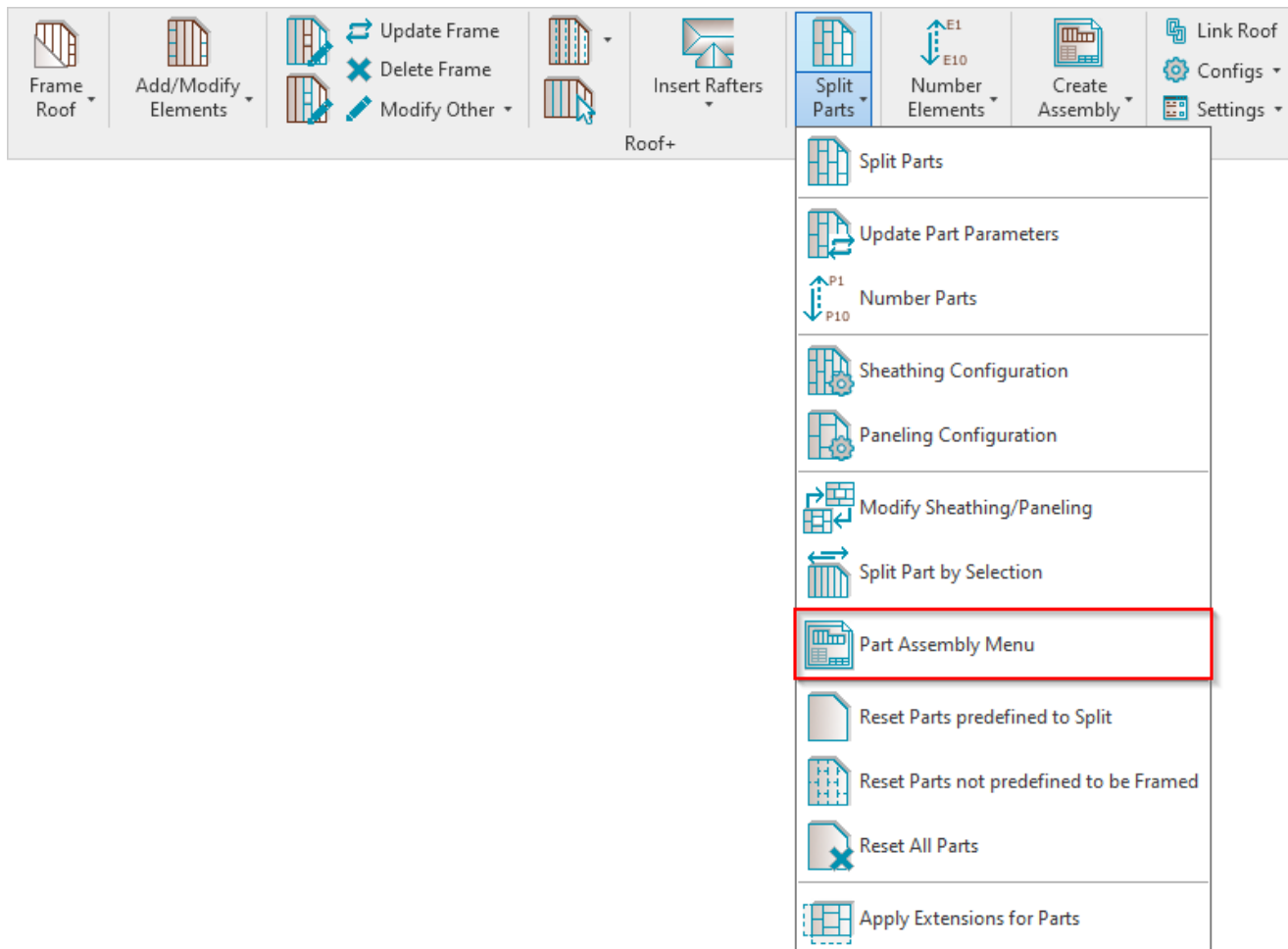
Split Part by Selection



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



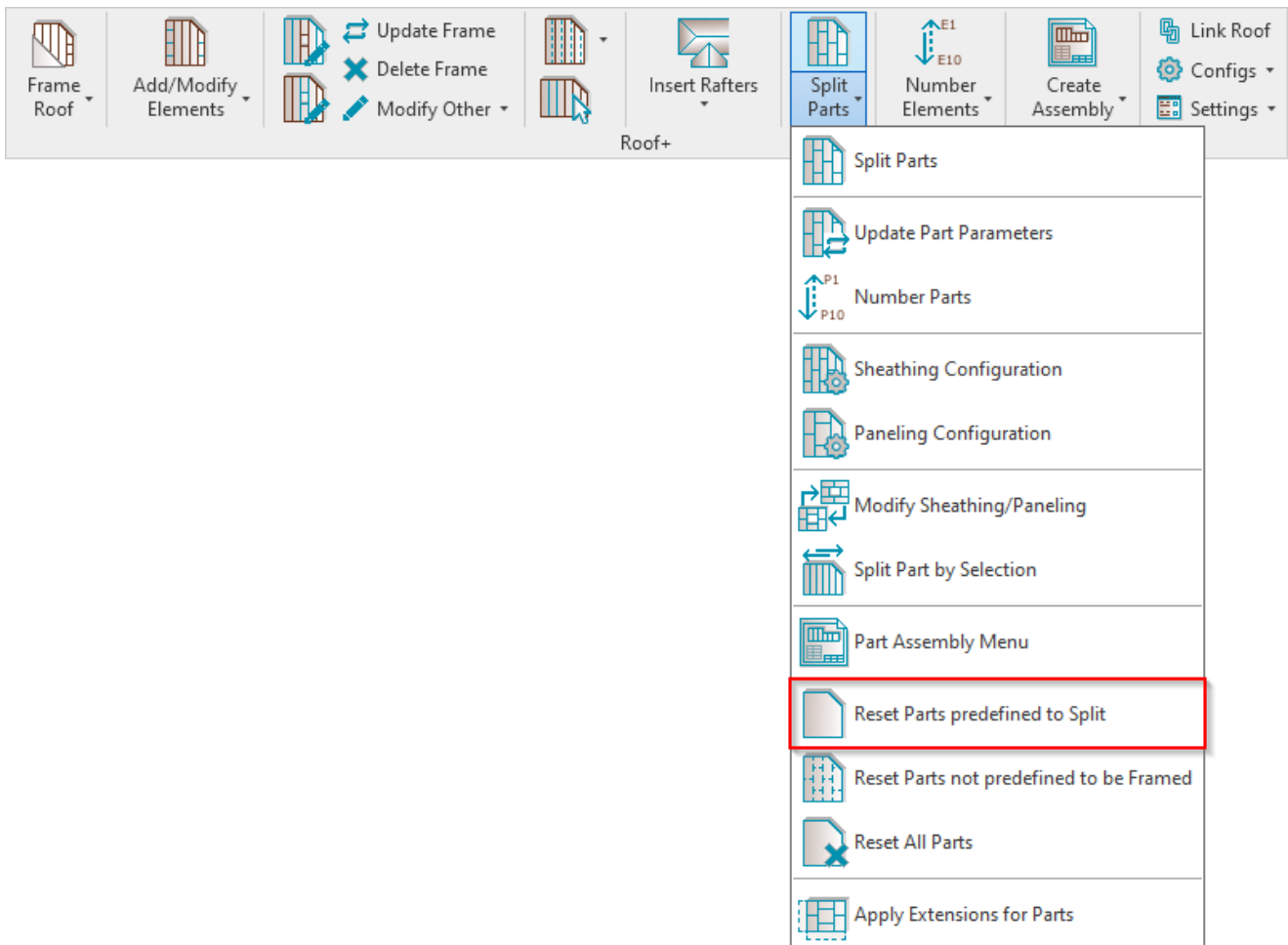
Part Assembly Menu



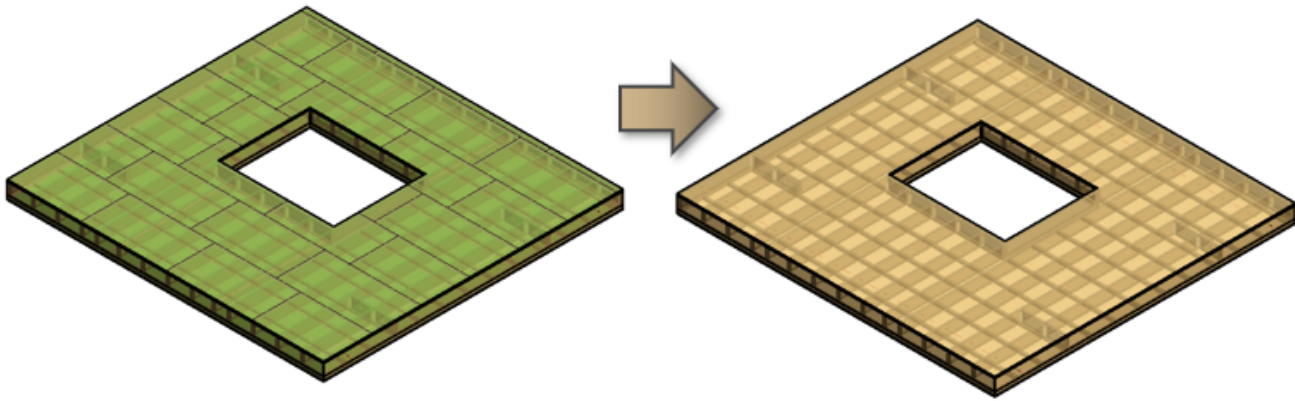
Part Assembly Menu - features for creating assemblies from Parts and different part selection possibilities.

Read more >> (<https://agacad.freshdesk.com/support/solutions/articles/44001788736-shop-drawings-%E2%80%93-part-assembly-menu>).

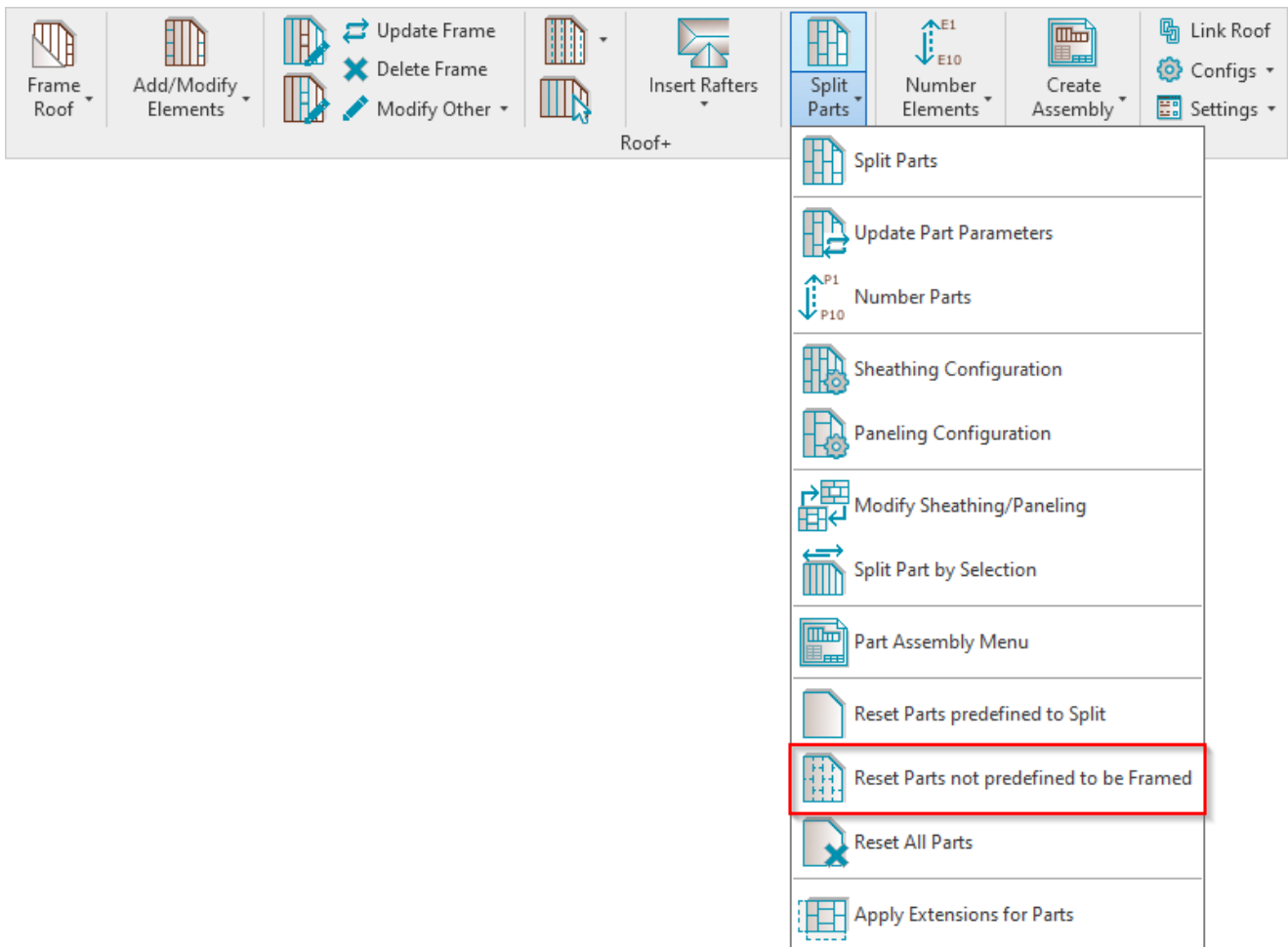
Reset Parts predefined to Split



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

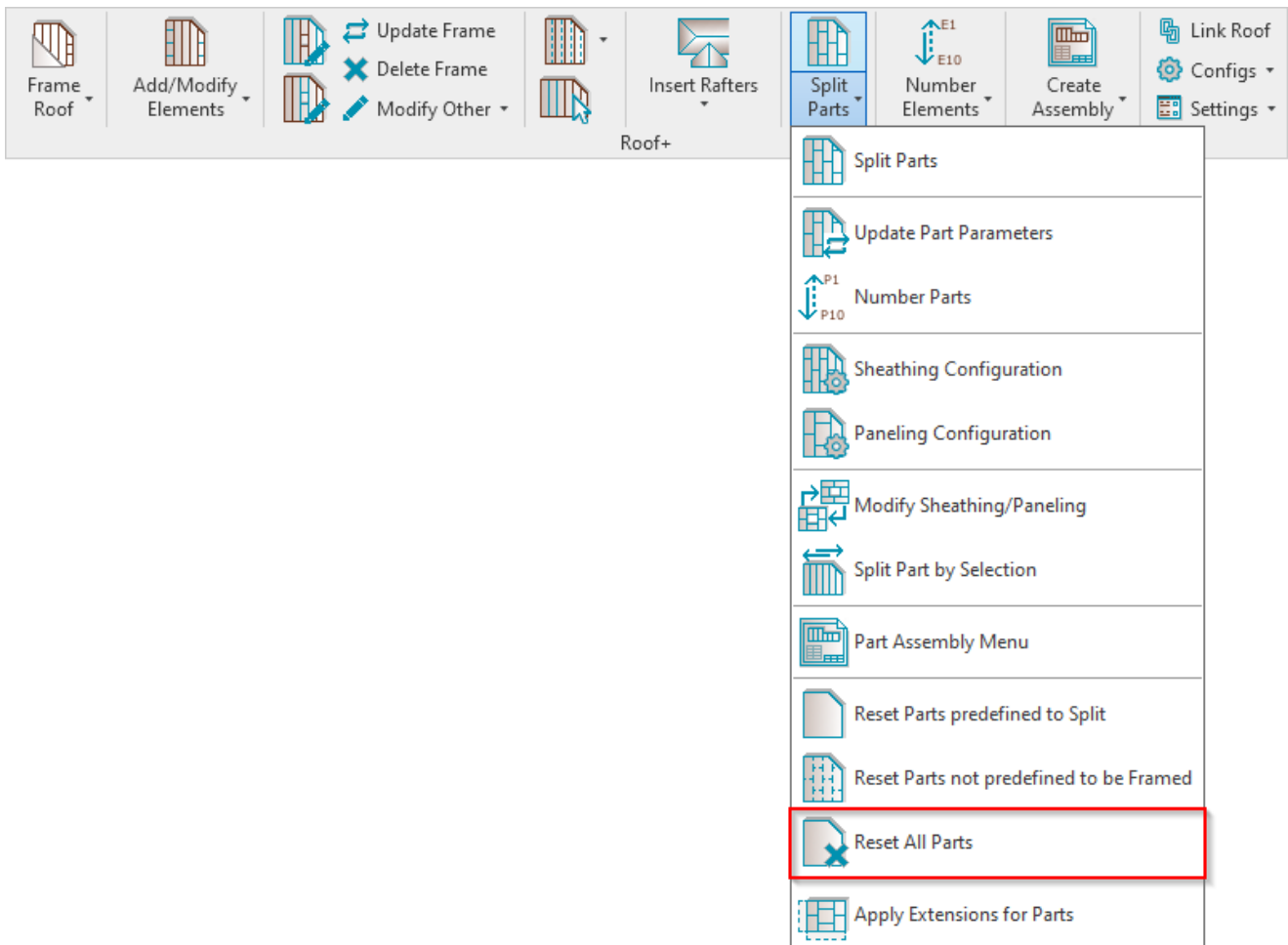


Reset Parts not predefined to be Framed

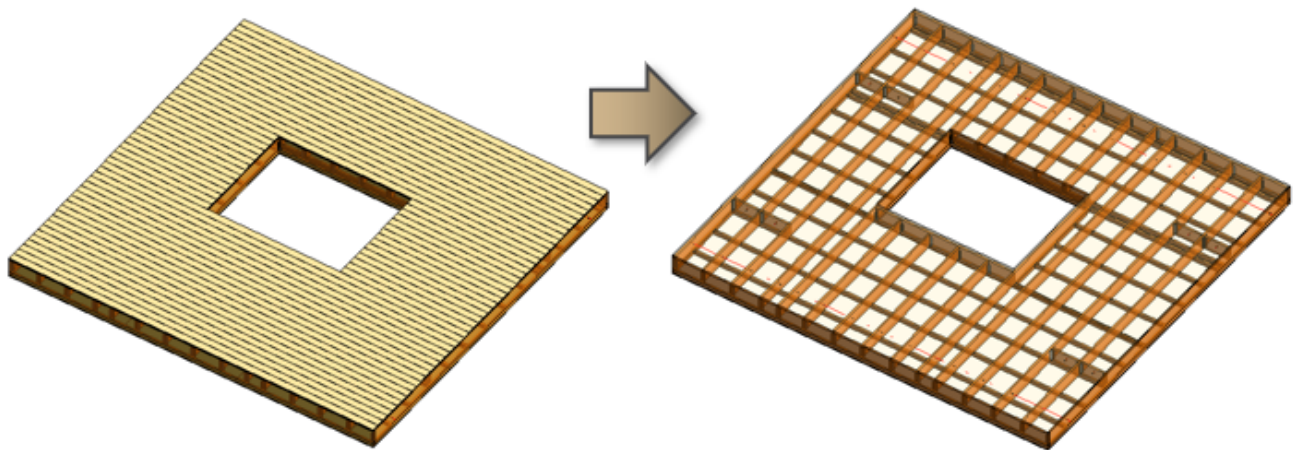


Reset Parts not predefined to be Framed – resets sheathing/paneling parts that were not predefined to be framed.

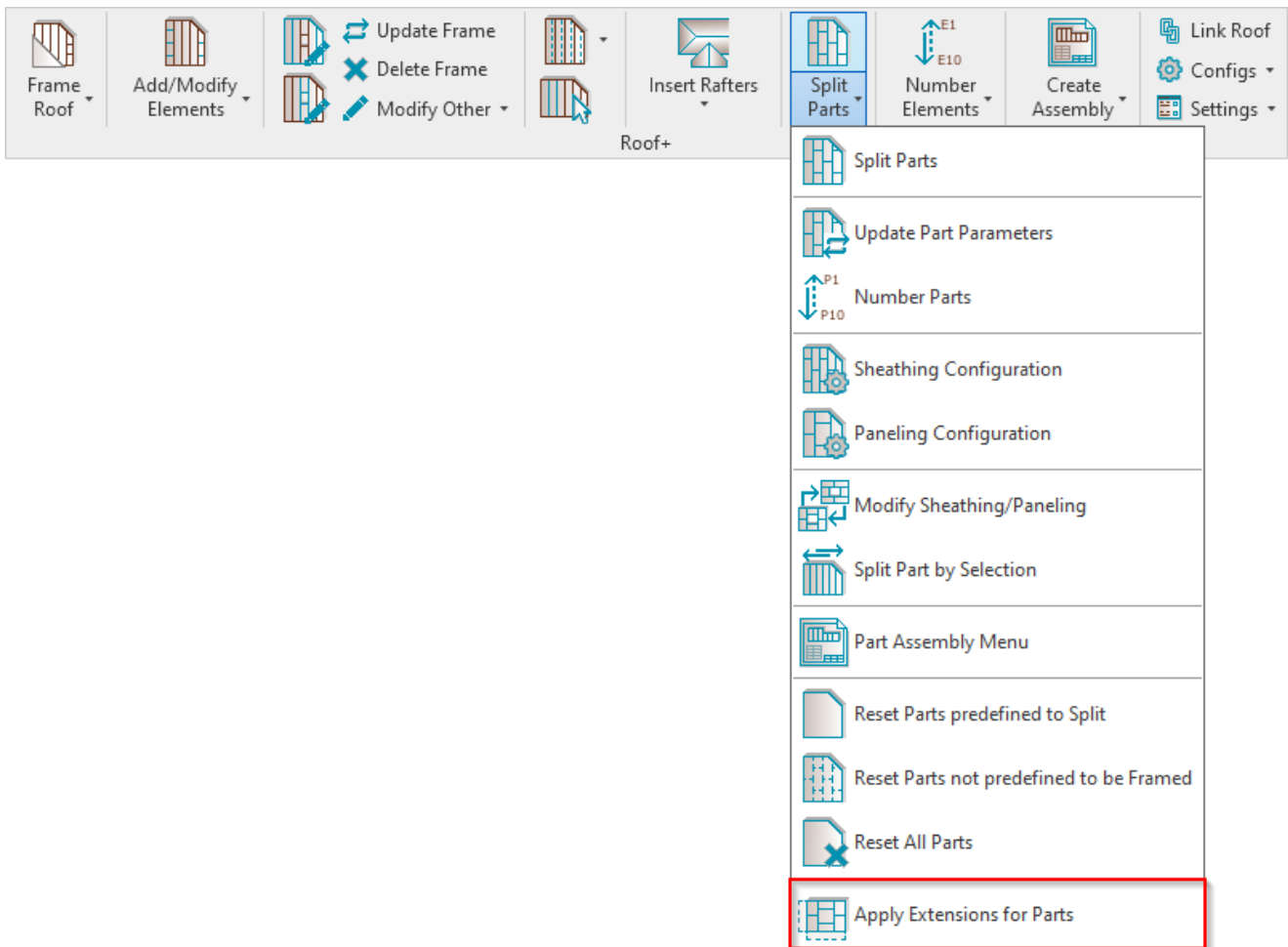
Reset All Parts



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



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**.

