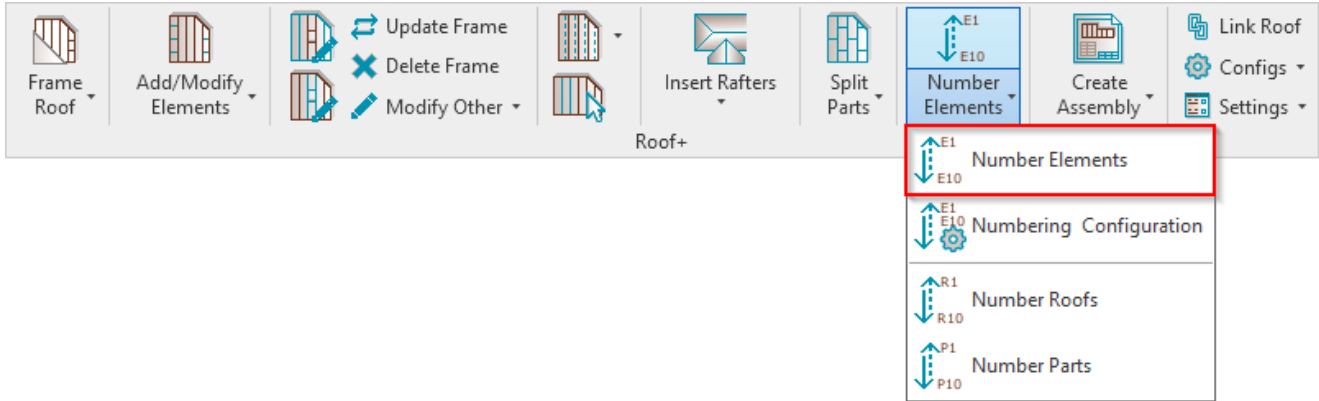


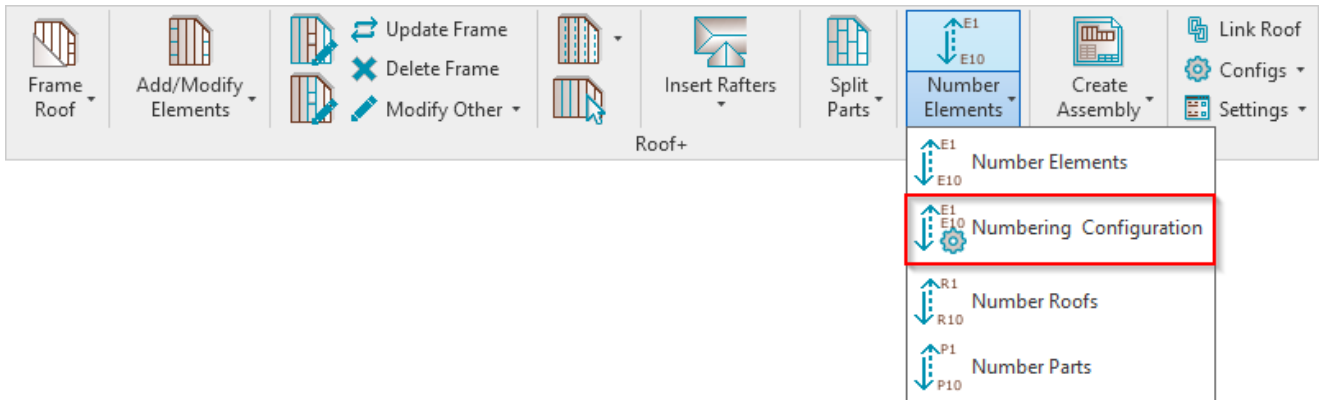
NUMBERING

Modified on: Sat, 21 Nov, 2020 at 7:04 PM

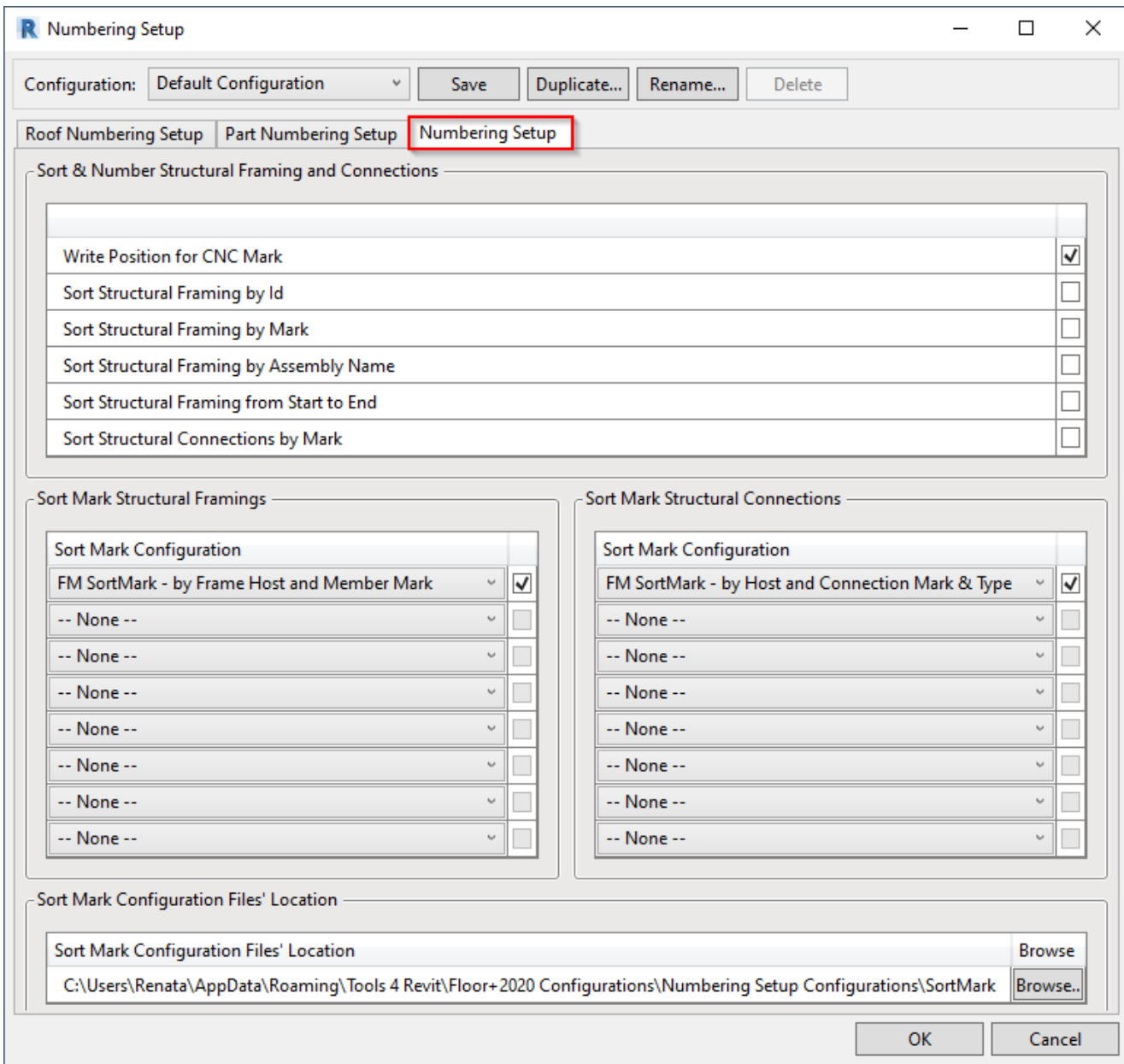
Number Elements



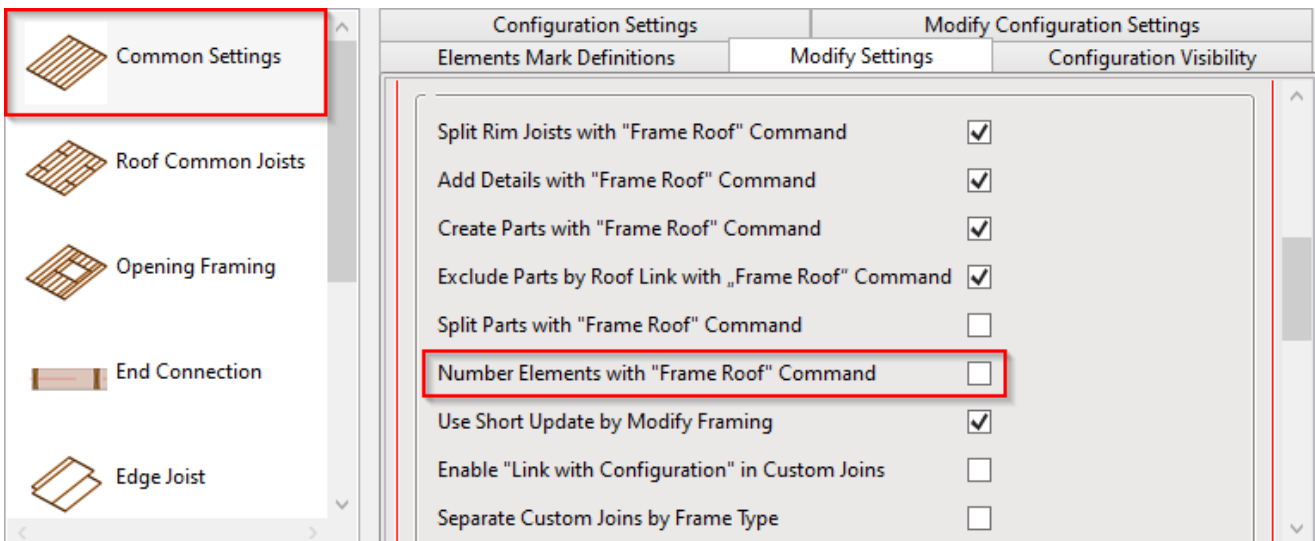
Number Elements – rennumbers all framing elements (under Structural Framing category) and details (under Structural Connections category) by predefined **Numbering Configuration**. It have many options for simple and complex numbering when you need to load many numbering rules.



Loads all selected rules from **Numbering Setup** tab:

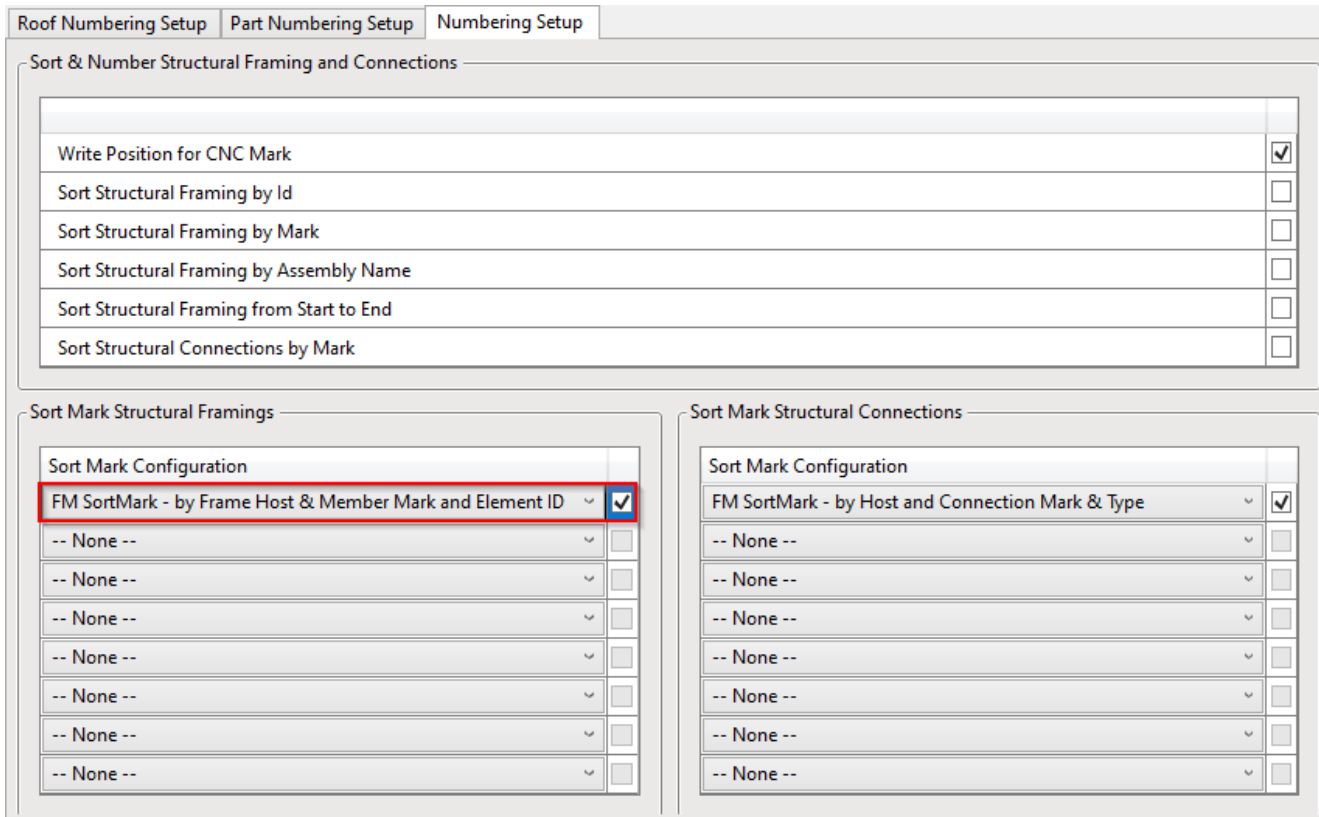


Furthermore, you can turn on **Number Elements with "Frame Roof" Command** in **Framing Configuration** → **Common Settings** → **Modify Settings**, and all elements will be numbered with **Frame Roof** command. You will not need to use **Number Elements** additionally.



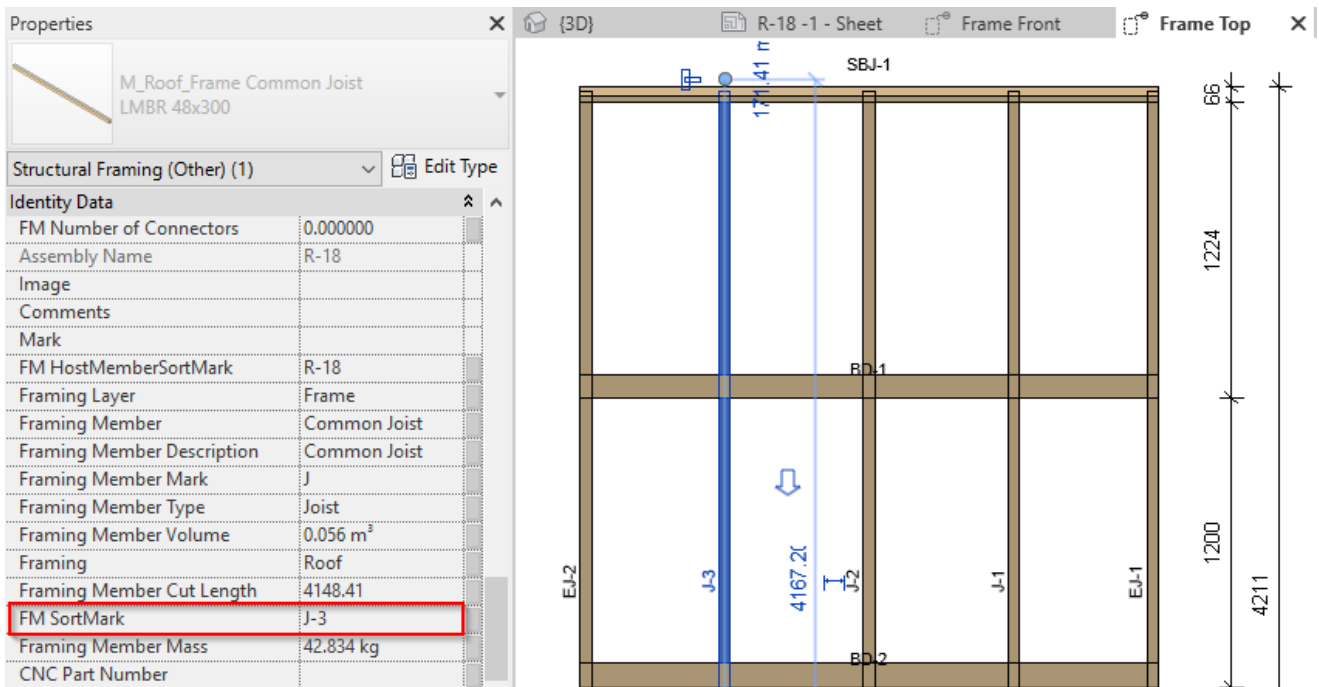
[Read more about Numbering Configuration >>](https://agacad.freshdesk.com/support/solutions/articles/44001788715-numbering-%E2%80%93-numbering-configuration) (<https://agacad.freshdesk.com/support/solutions/articles/44001788715-numbering-%E2%80%93-numbering-configuration>).

Number Elements - Example 1

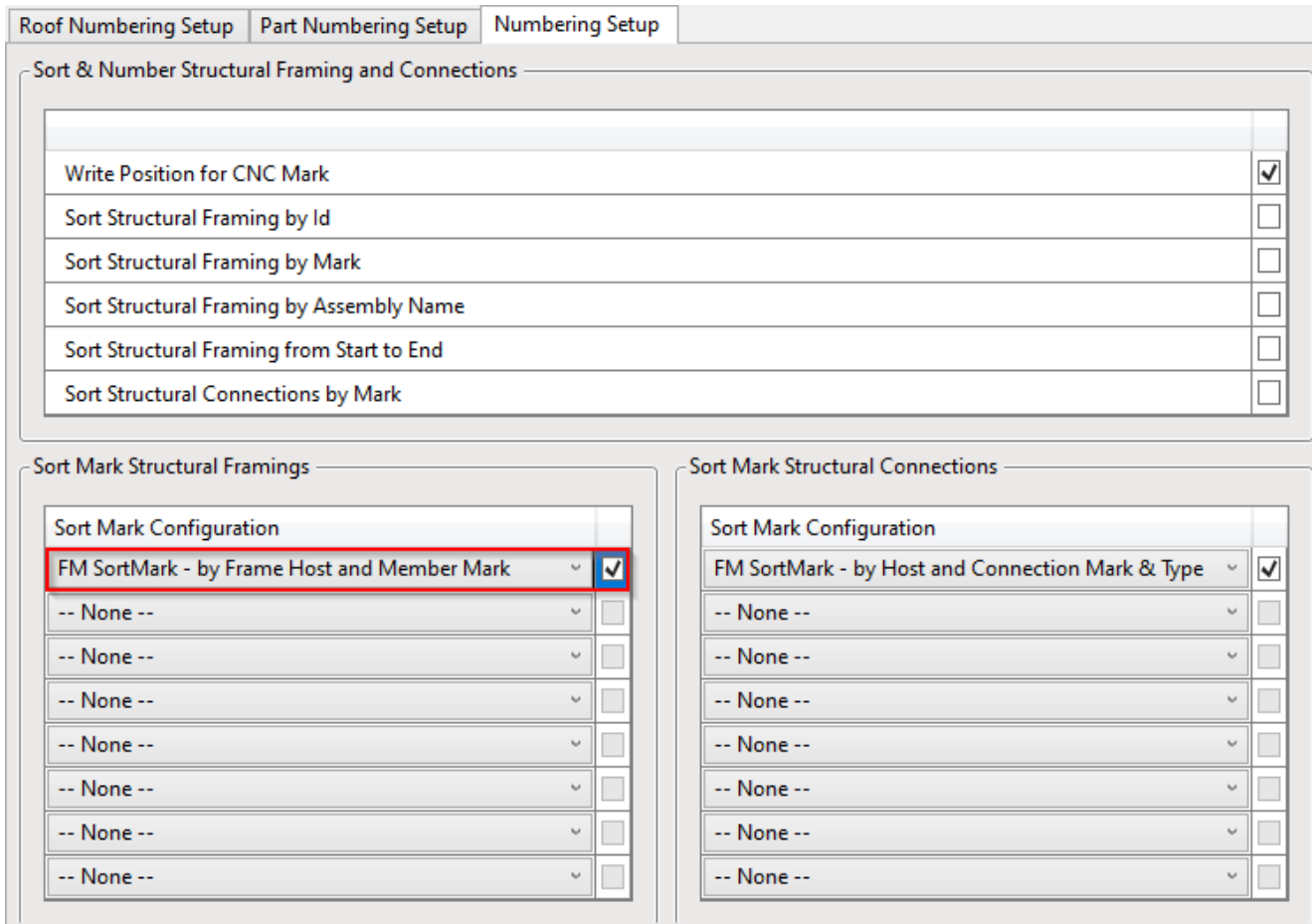


FM SortMark - by Frame Host & Member Mark and Element ID – a sample rule for numbering farming members. It groups framing elements by frame host and **Framing Member Mark** (comes from **Framing Configuration** → **Common Settings** → **Elements Mark Definitions**). Then every grouped element is sorted by **ID**.

FM SortMark – parameter with the result. You can find it in **Element Properties** → **Identity Data**.

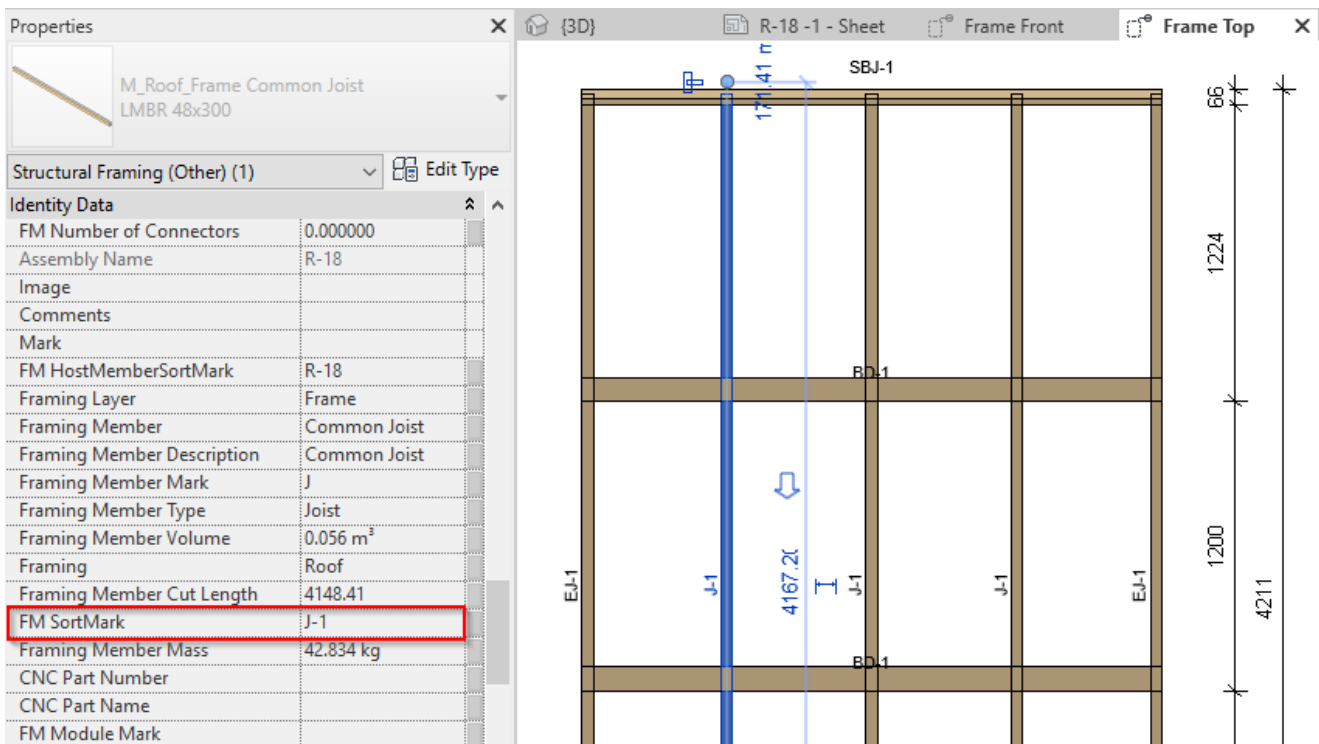


Number Elements - Example 2

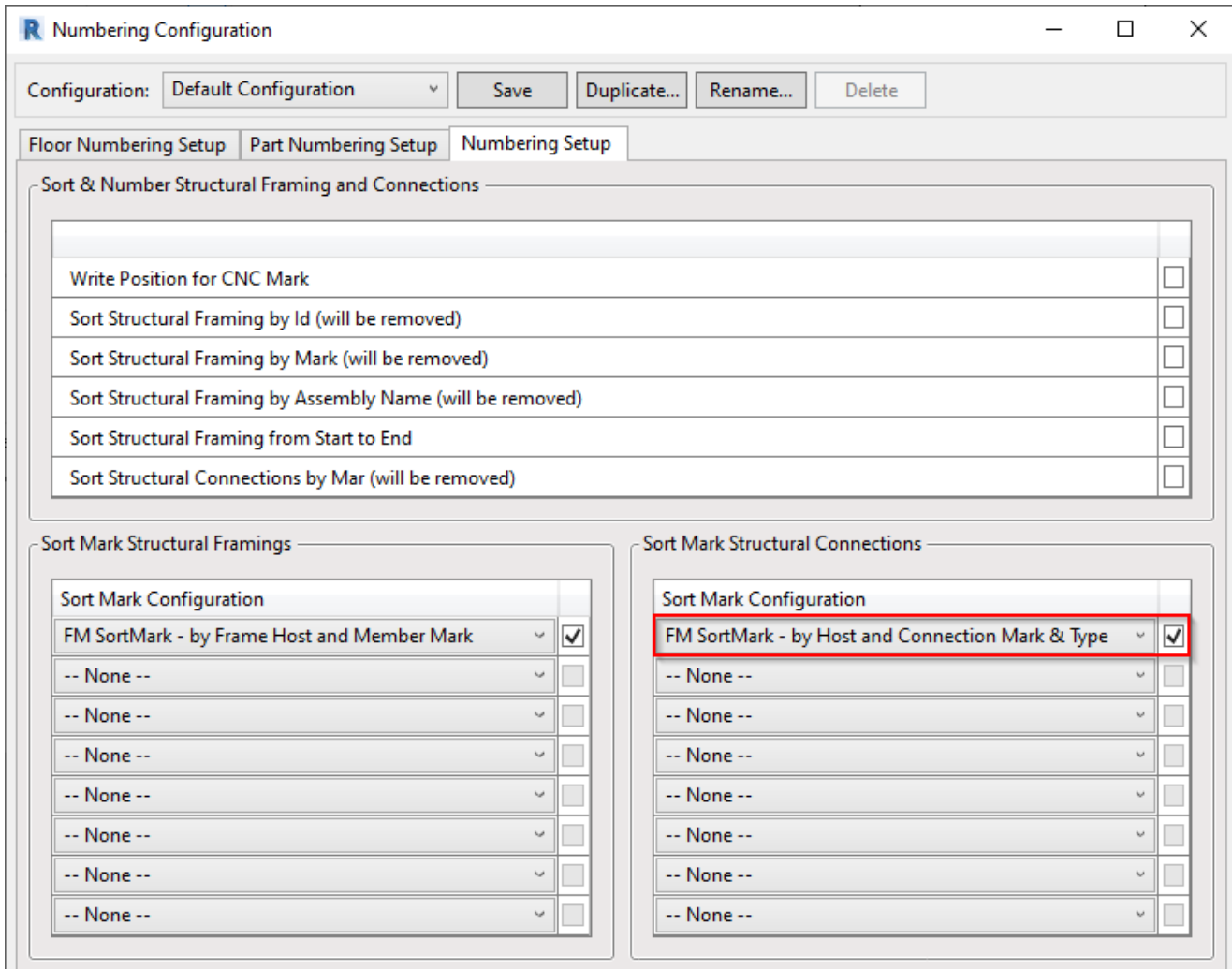


FM SortMark - by Frame Host and Member Mark – a sample rule for numbering farming members. It groups framing elements by frame host and **Framing Member Mark** (comes from **Framing Configuration** → **Common Settings** → **Elements Mark Definitions**). Then every grouped element is sorted by its length.

FM SortMark – parameter with the result. You can find it in **Element Properties** → **Identity Data**.



Number Elements - Example 3



FM SortMark - by Host and Connection Mark & Type – a sample rule for numbering details (under structural connections category). It groups details by frame host and **Framing Member Mark** (comes from **Framing Configuration** → **Common Settings** → **Elements Mark Definitions**). Then every grouped detail is sorted by type.

FM SortMark – parameter with the result. You can find it in **Element Properties** → **Identity Data**.

Properties

MH_Support Face_Bottom Edge_Hanger
45x120

Structural Connections (1) Edit Type

Identity Data

Framing Member Cut Length	121.0
Framing Layer	Frame
Framing	Floor
FM Type	Standard
Image	
Comments	
Mark	
FM SortMark	F-9-C-1
Framing Member Mark	C
FM HostMemberSortMark	F-9
Framing Member Mass	
Framing Member Volume	0.000 m ³
CNC Part Number	
CNC Part Name	
Facing flipped	<input checked="" type="checkbox"/>
Hand flipped	<input checked="" type="checkbox"/>
CNC Part Position	

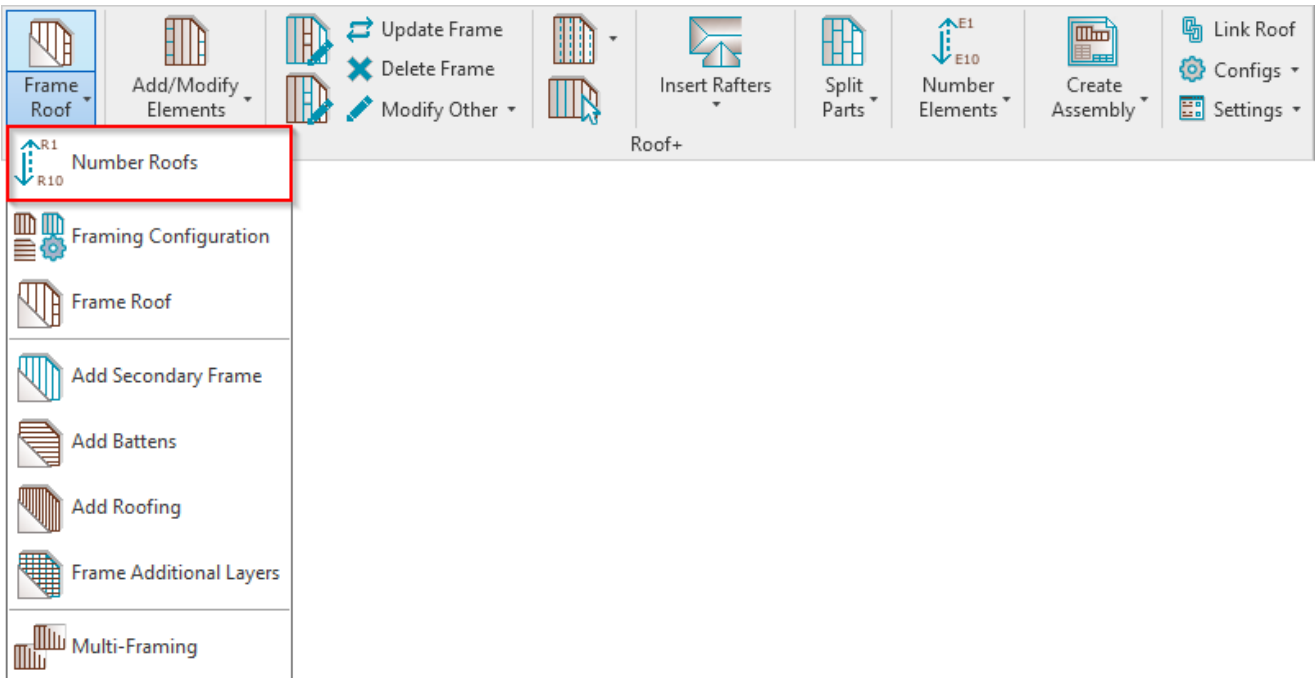
Number Roofs

Frame Roof Add/Modify Elements Update Frame Delete Frame Modify Other Insert Rafters Split Parts

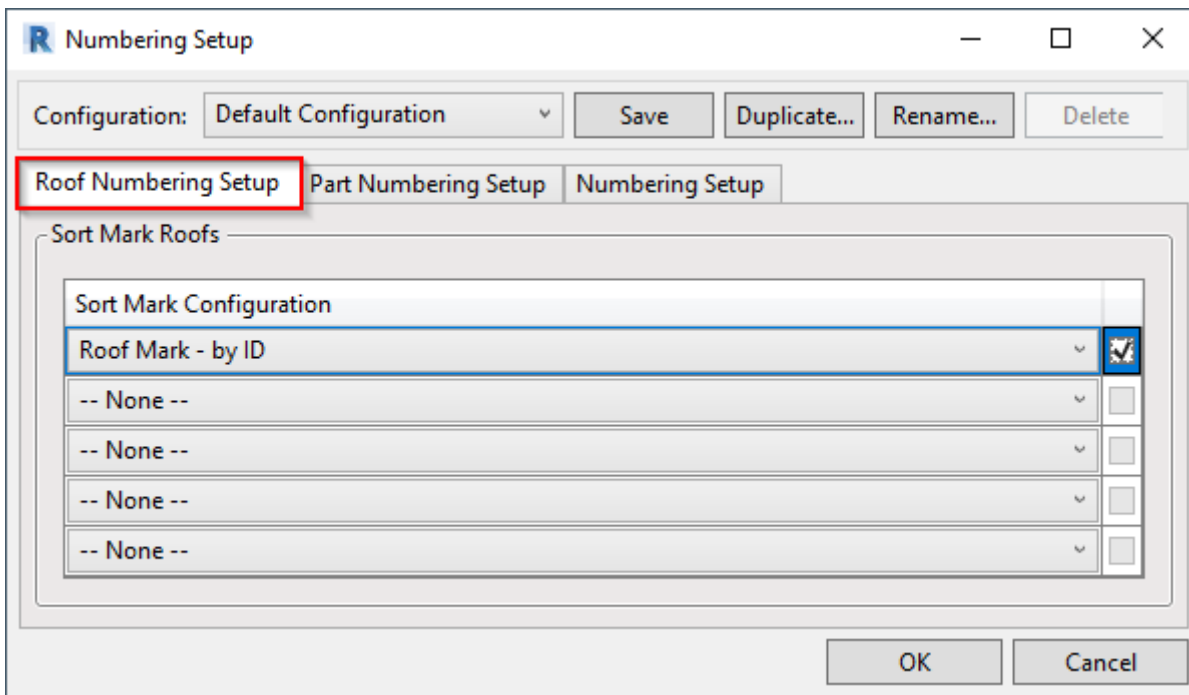
Number Elements

- Number Elements
- Numbering Configuration
- Number Roofs**
- Number Parts

OR:



Number Roofs – rennumbers all roofs by predefined configuration in **Numbering Configuration** → **Roof Numbering Setup**. Roof numbering configurations come from **Sort Mark** (<http://www.aga-cad.com/products/tools4revit/sort-mark>).



Example: All roofs are numbered by unique number, which has F as a prefix. Result is written to the Mark instance parameter.

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

Properties

Basic Roof
Roof 300 - Frame Panel

Roofs (1) Edit Type

Maximum Ridge Height 6032.32

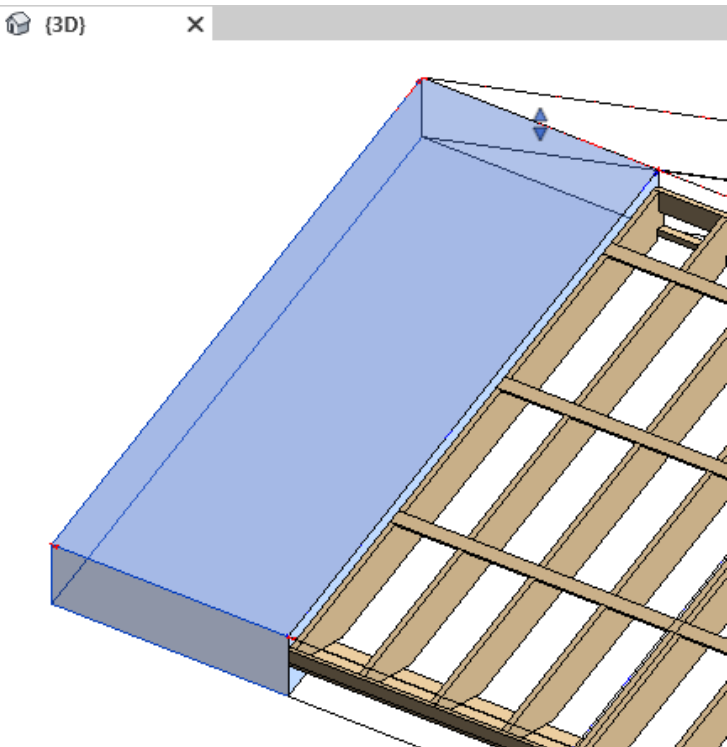
Dimensions

Slope	27.00°
Thickness	387.00
Volume	3,216 m ³
Area	8,311 m ²

Identity Data

Image	
Comments	
Mark	R-24
FMid SortMark	
Assembly Area	
Assembly Volume	
Assembly Width	
Assembly Depth	
Assembly Length	
Assembly Height	

Phasing



Number Parts

Roof+

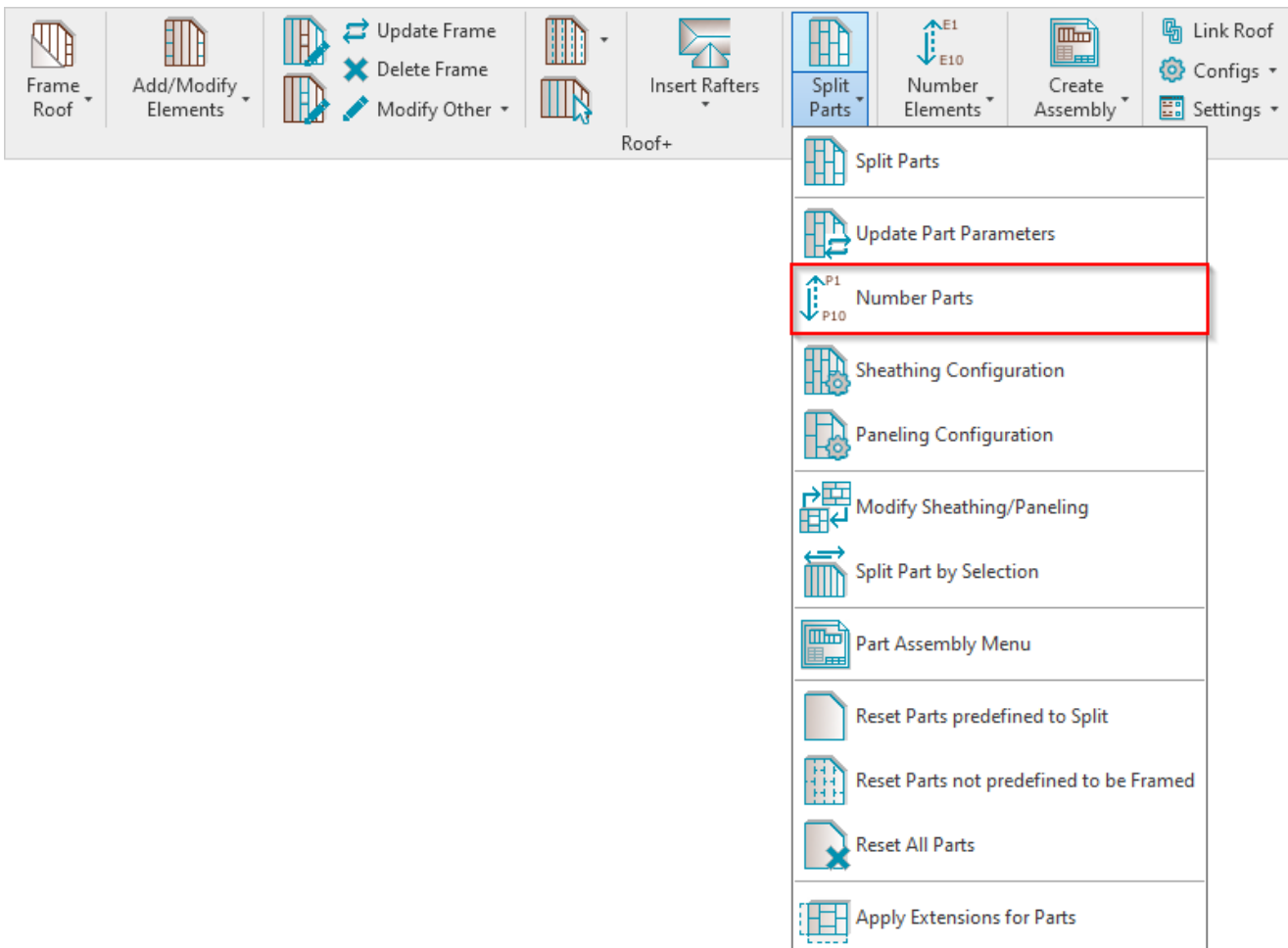
Frame Roof Add/Modify Elements Update Frame Delete Frame Modify Other Insert Rafters Split Parts

Number Elements

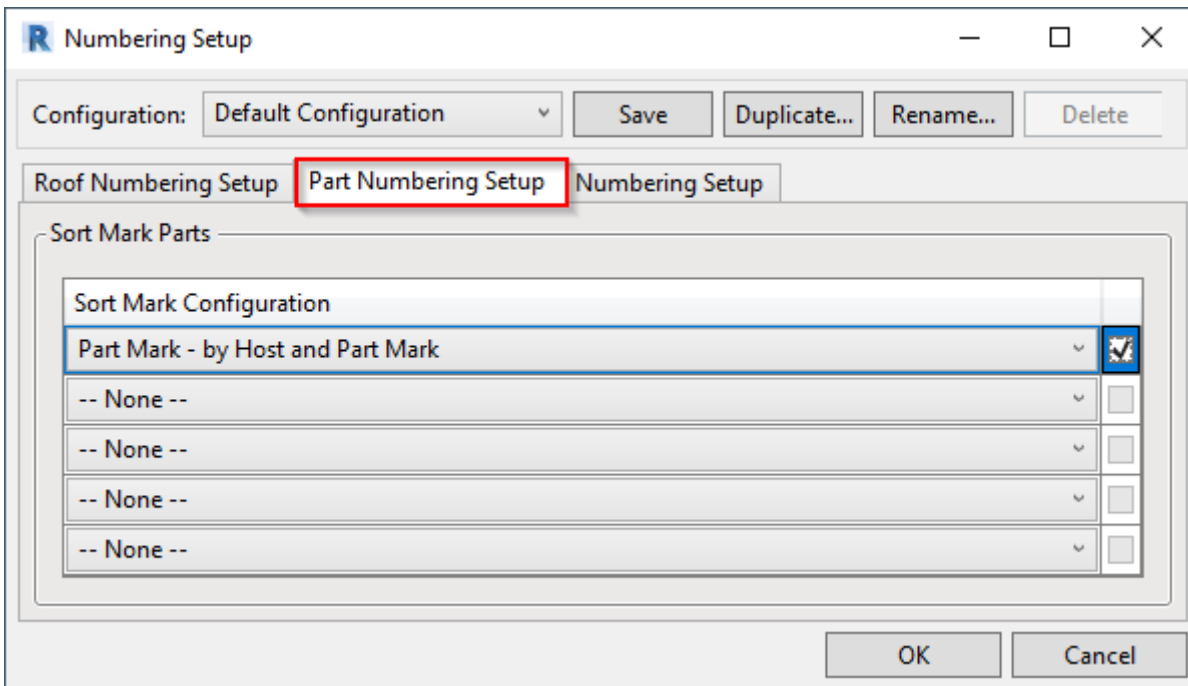
- Number Elements
- Numbering Configuration
- Number Roofs
- Number Parts**

Link Roof Configs Settings

OR:



Number Parts – rennumbers all sheathing/paneling (Parts) by predefined configuration in **Numbering Configuration** → **Part Numbering Setup**. 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** (comes from **Framing Configuration** → **Common Settings** → **Elements Mark Definitions**), uniquely numbered, and have **FM HostMemberSortMark** value as a prefix. Result is written to the **Mark** instance parameter.
[Sort Mark E-Help >>](#)*

Properties

R

Parts (1) Edit Type

Identity Data

Image	
Comments	
Mark	Roof 300 - Frame Panel_38-SHT-3
FM HostMemberSortMark	Roof 300 - Frame Panel_38
Framing Layer	Sheathing
Framing Member	Framing Sheathing
Framing Member Description	Sheathing
Framing Member Mark	SHT
Framing Member Type	Sheathing
Framing Member Volume	0.090 m ³
Framing	Roof
FM SortMark	2
Framing Member Mass	
Show Shape Handles	<input type="checkbox"/>
Original Category	Roofs
Original Family	Basic Roof
Original Type	Roof 300 - Frame Panel
Material By Original	<input checked="" type="checkbox"/>
Material	OSB
Construction	Finish

