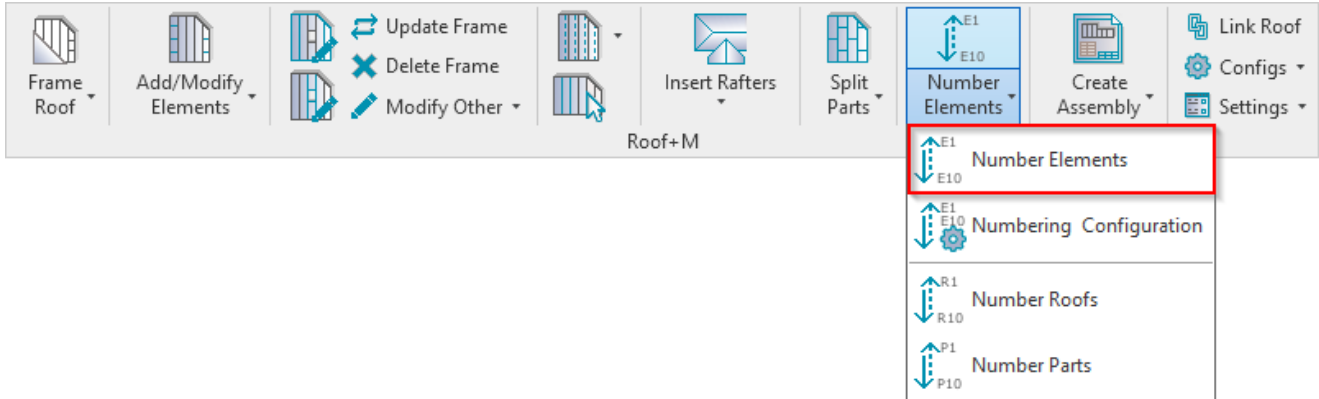


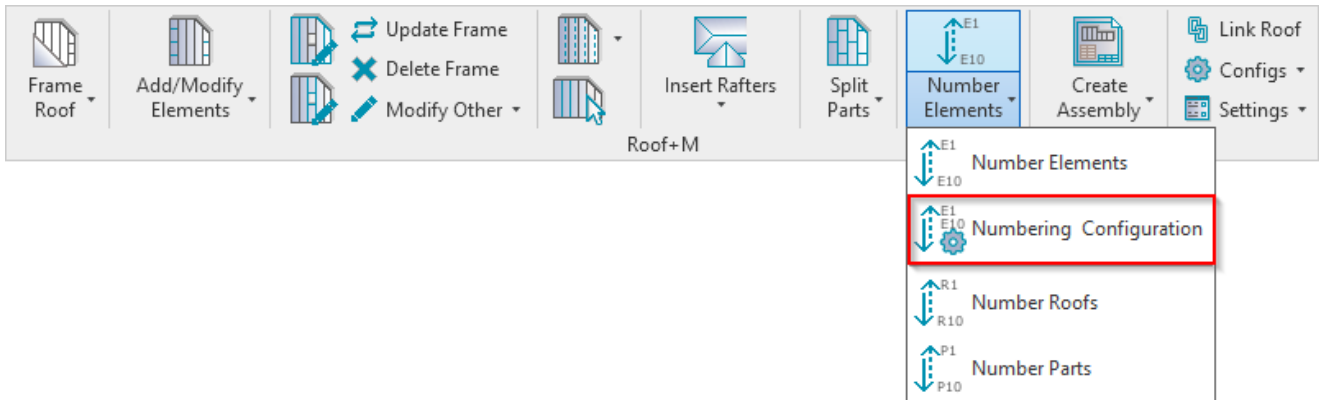
NUMBERING

Modified on: Sun, 17 Jan, 2021 at 6:43 PM

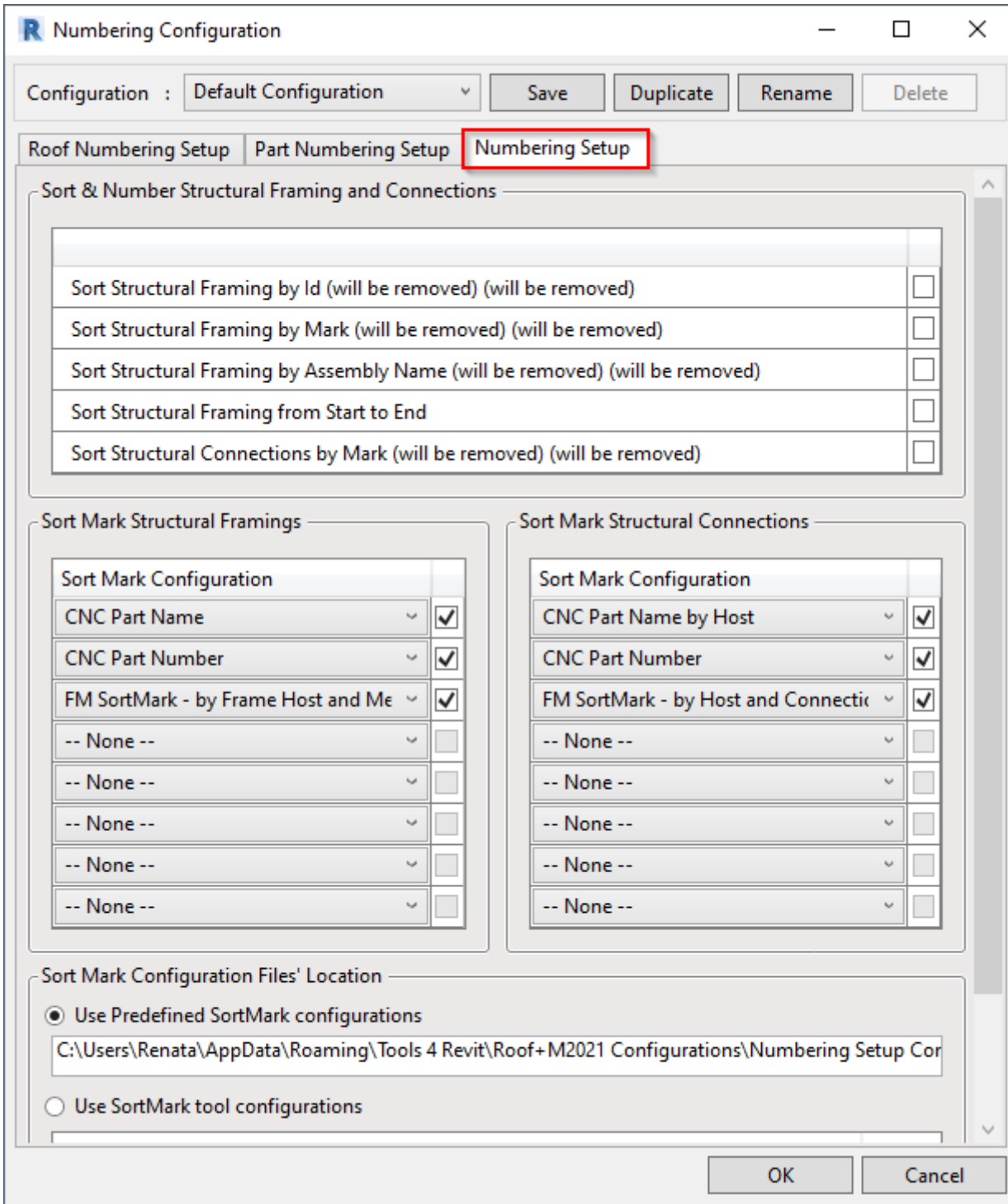
Number Elements



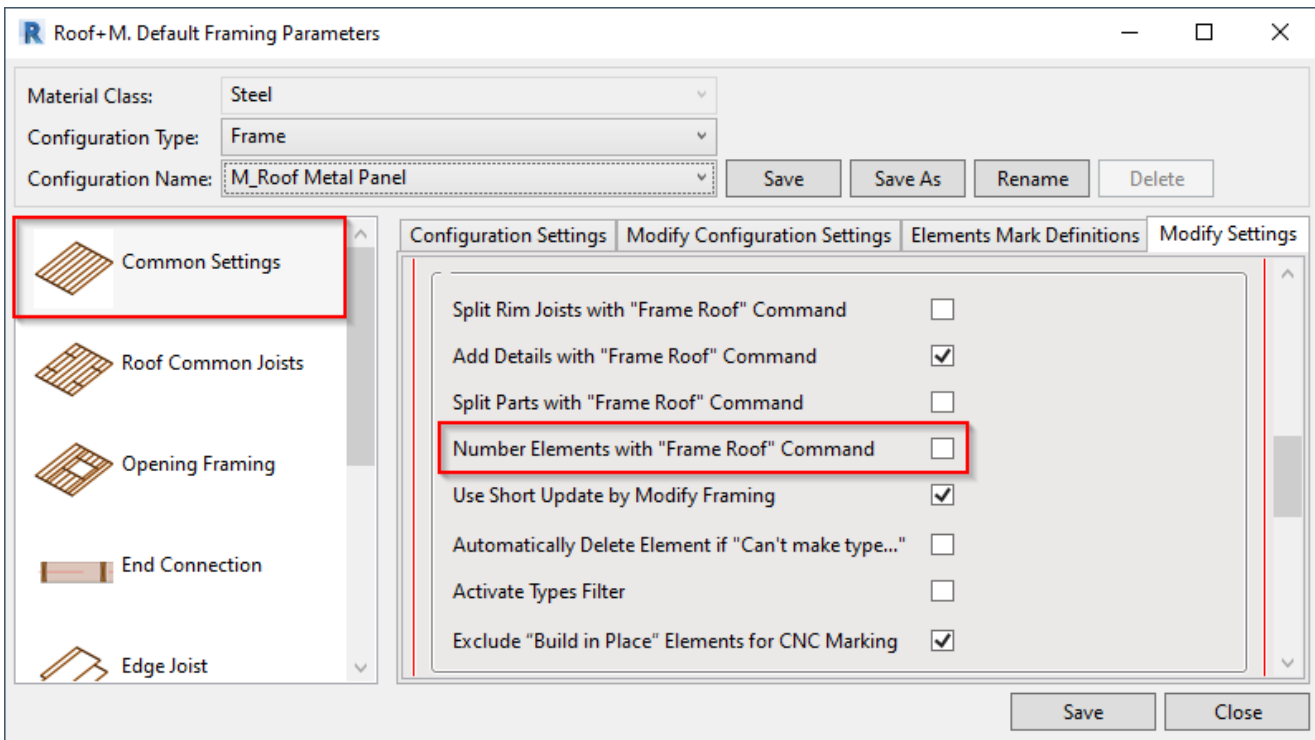
Number Elements – rennumbers all framing elements (under Structural Framing category) and details (under Structural Connections category) by predefined **Numbering Configuration**. It have many options for simple and complex numbering when you need to load many numbering rules.



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

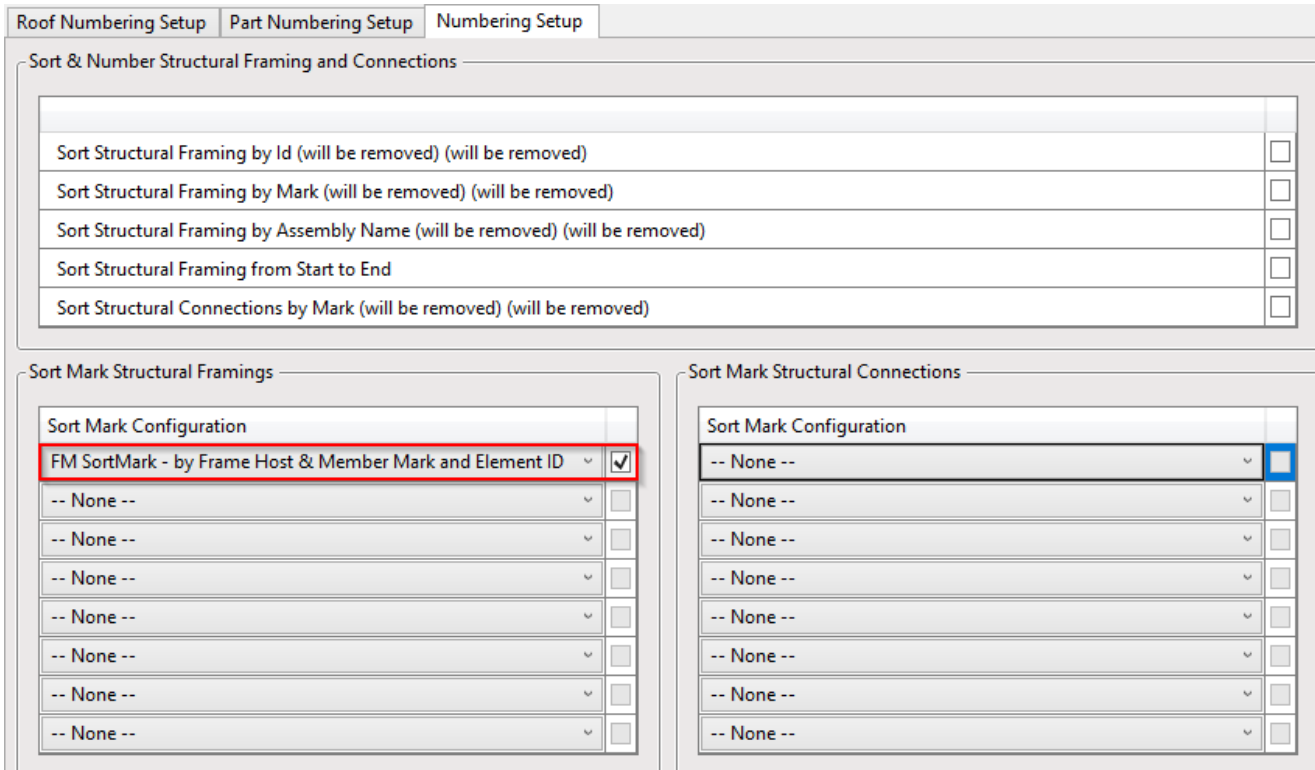


Furthermore, you can turn on **Number Elements with "Frame Roof" Command** in **Framing Configuration** → **Common Settings** → **Modify Settings**, and all elements will be numbered with **Frame Roof** command. You will not need to use **Number Elements** additionally.



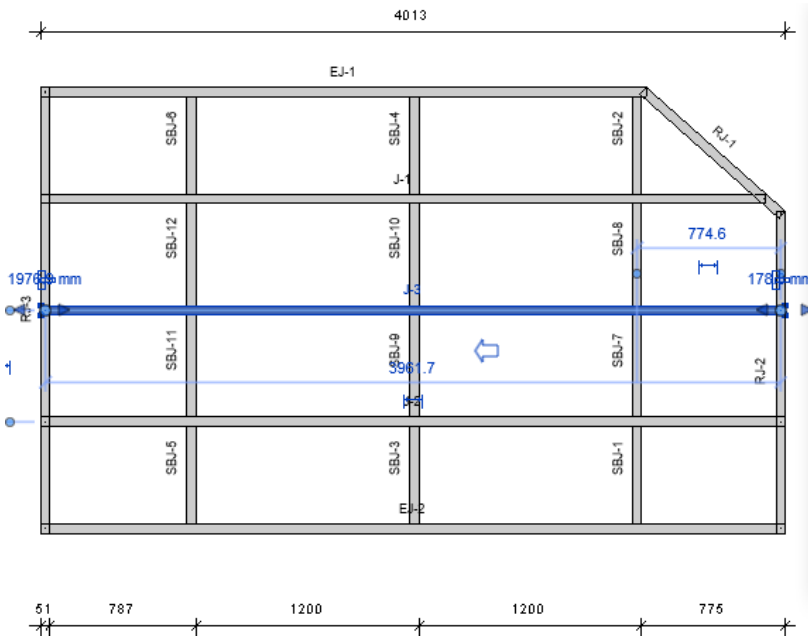
Read more about Numbering Configuration >> (<https://agacad.freshdesk.com/support/solutions/articles/44001800500-numbering-%E2%80%93-numbering-configuration>).

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**.



Properties

M_MF Stud-Joist
C20351-15

Structural Framing (Other) (1) Edit Type

Image	
Comments	
Mark	
Framing Member	Common Joist
Framing Member Type	Joist
Framing Member Cut Length	4009.5
Framing	Roof
Framing Member Description	Common Joist
FM SortMark	J-3
Framing Layer	Frame
Framing Member Mark	J
FM HostMemberSortMark	Roof 203+3layer_3
Framing Member Mass	15.612 kg
Framing Member Volume	0.0020 m ³
CNC Part Number	

Properties help Apply

Number Elements - Example 2

Roof Numbering Setup Part Numbering Setup **Numbering Setup**

Sort & Number Structural Framing and Connections

Sort Structural Framing by Id (will be removed) (will be removed)	<input type="checkbox"/>
Sort Structural Framing by Mark (will be removed) (will be removed)	<input type="checkbox"/>
Sort Structural Framing by Assembly Name (will be removed) (will be removed)	<input type="checkbox"/>
Sort Structural Framing from Start to End	<input type="checkbox"/>
Sort Structural Connections by Mark (will be removed) (will be removed)	<input type="checkbox"/>

Sort Mark Structural Framings

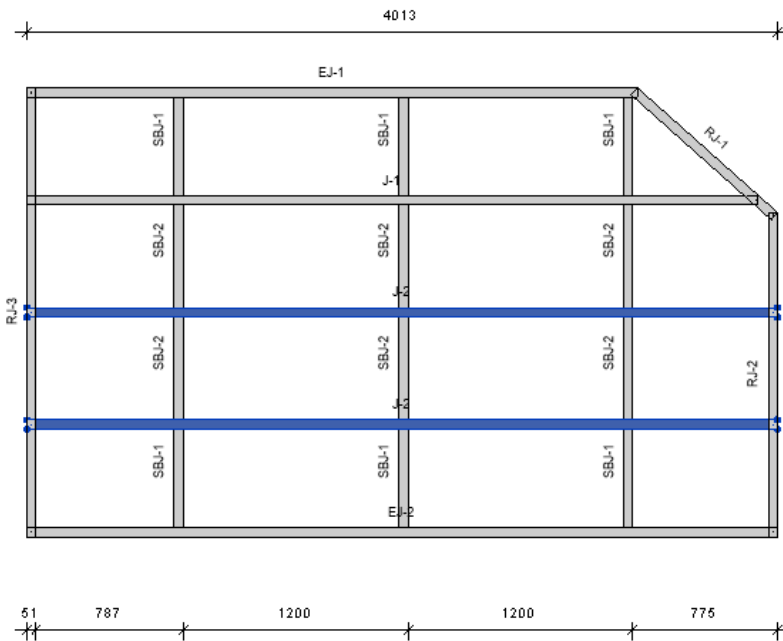
Sort Mark Configuration		
FM SortMark - by Frame Host and Member Mark	▼	<input checked="" type="checkbox"/>
-- None --	▼	<input type="checkbox"/>
-- None --	▼	<input type="checkbox"/>
-- None --	▼	<input type="checkbox"/>
-- None --	▼	<input type="checkbox"/>
-- None --	▼	<input type="checkbox"/>
-- None --	▼	<input type="checkbox"/>

Sort Mark Structural Connections

Sort Mark Configuration		
-- None --	▼	<input type="checkbox"/>
-- None --	▼	<input type="checkbox"/>
-- None --	▼	<input type="checkbox"/>
-- None --	▼	<input type="checkbox"/>
-- None --	▼	<input type="checkbox"/>
-- None --	▼	<input type="checkbox"/>
-- None --	▼	<input type="checkbox"/>

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**.



Properties

M_MF Stud-Joist
C20351-15

Structural Framing (Other) (2) Edit Type

Framing Member	Common Joist
Framing Member Type	Joist
Framing Member Cut Length	4009.5
Framing	Roof
Framing Member Description	Common Joist
FM SortMark	J-2
Framing Layer	Frame
Framing Member Mark	J
FM HostMemberSortMark	Roof 203+3layer_3
Framing Member Mass	15.612 kg
Framing Member Volume	0.0020 m ³
CNC Part Number	
CNC Part Name	
FM Module Mark	
FM Wall Layer	Frame

Properties help Apply

Number Elements - Example 3

Roof Numbering Setup Part Numbering Setup **Numbering Setup**

Sort & Number Structural Framing and Connections

Sort Structural Framing by Id (will be removed) (will be removed)	<input type="checkbox"/>
Sort Structural Framing by Mark (will be removed) (will be removed)	<input type="checkbox"/>
Sort Structural Framing by Assembly Name (will be removed) (will be removed)	<input type="checkbox"/>
Sort Structural Framing from Start to End	<input type="checkbox"/>
Sort Structural Connections by Mark (will be removed) (will be removed)	<input type="checkbox"/>

Sort Mark Structural Framings

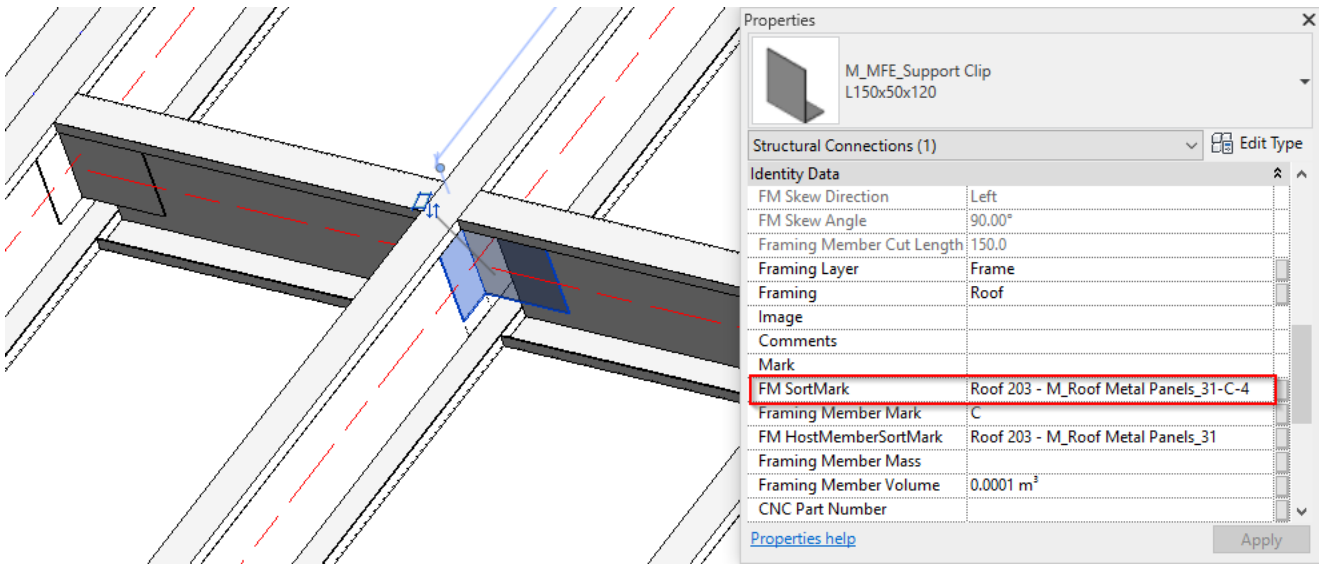
Sort Mark Configuration		<input type="checkbox"/>
FM SortMark - by Frame Host and Member Mark		<input checked="" type="checkbox"/>
-- None --		<input type="checkbox"/>
-- None --		<input type="checkbox"/>
-- None --		<input type="checkbox"/>
-- None --		<input type="checkbox"/>
-- None --		<input type="checkbox"/>
-- None --		<input type="checkbox"/>
-- None --		<input type="checkbox"/>

Sort Mark Structural Connections

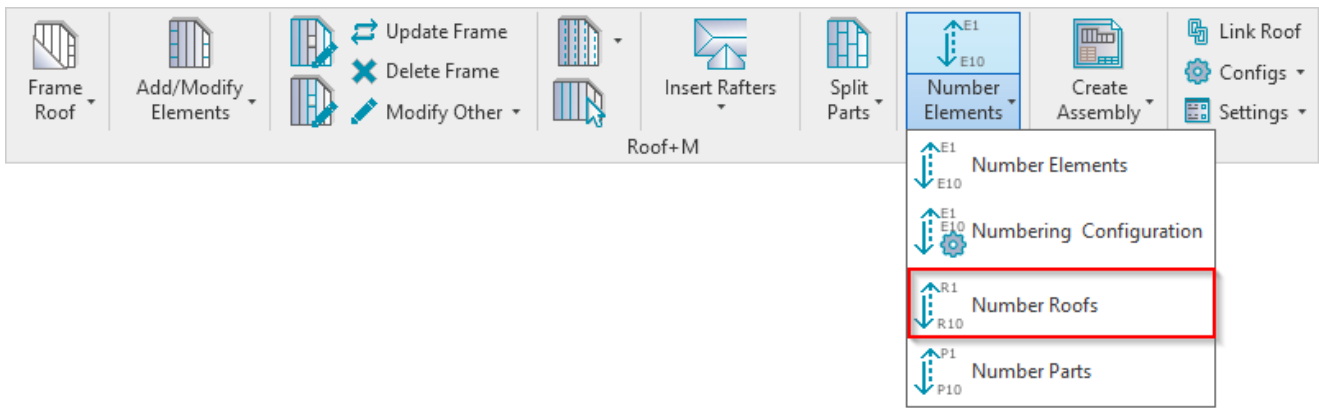
Sort Mark Configuration		<input type="checkbox"/>
FM SortMark - by Host and Connection Mark & Type		<input checked="" type="checkbox"/>
-- None --		<input type="checkbox"/>
-- None --		<input type="checkbox"/>
-- None --		<input type="checkbox"/>
-- None --		<input type="checkbox"/>
-- None --		<input type="checkbox"/>
-- None --		<input type="checkbox"/>
-- None --		<input type="checkbox"/>

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.

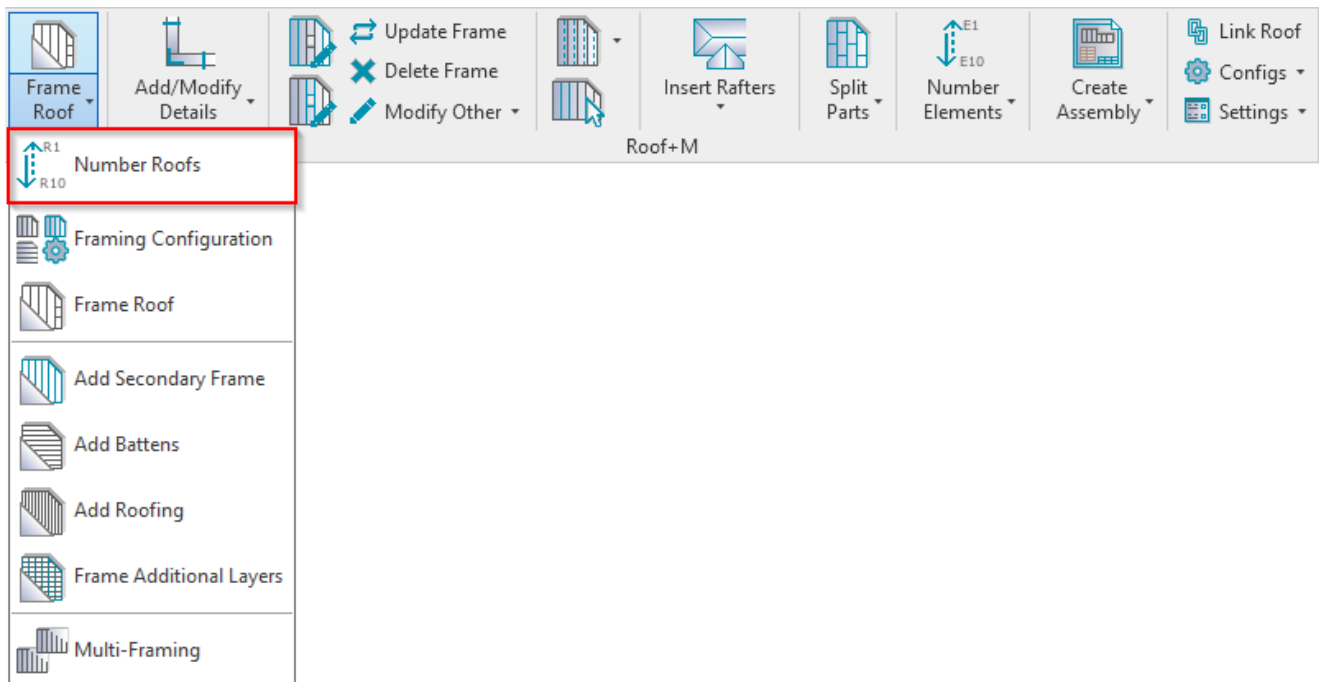
FM SortMark – parameter with the result. You can find it in **Element Properties** → **Identity Data**.



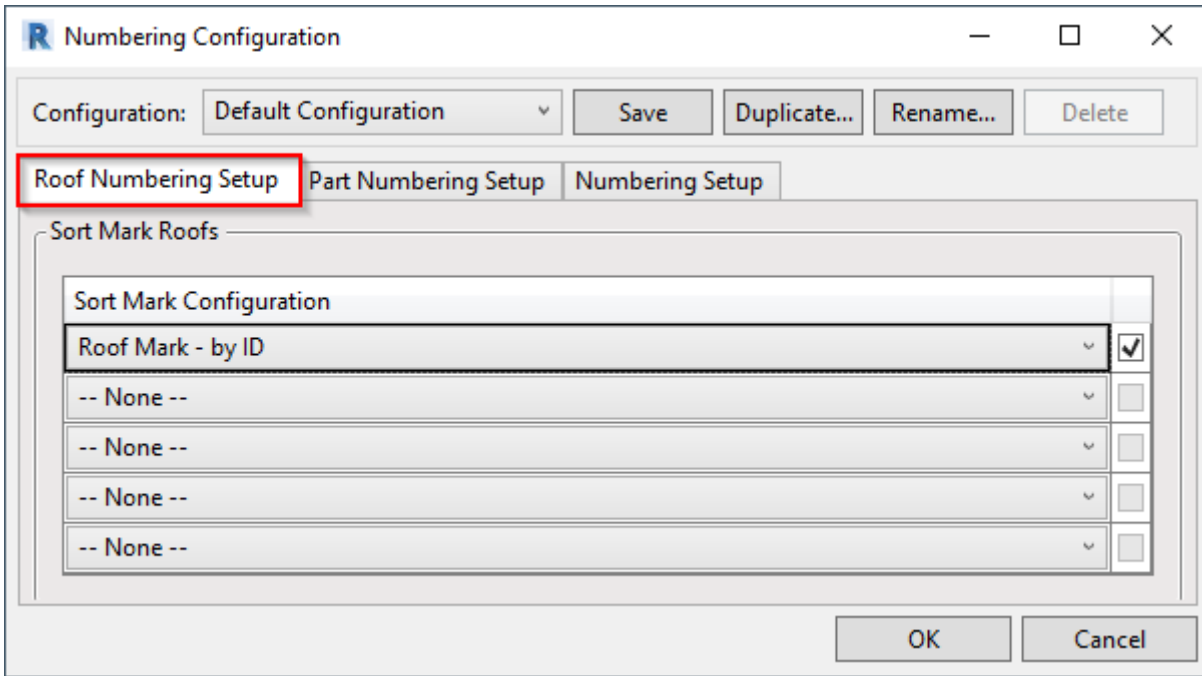
Number Roofs



OR:

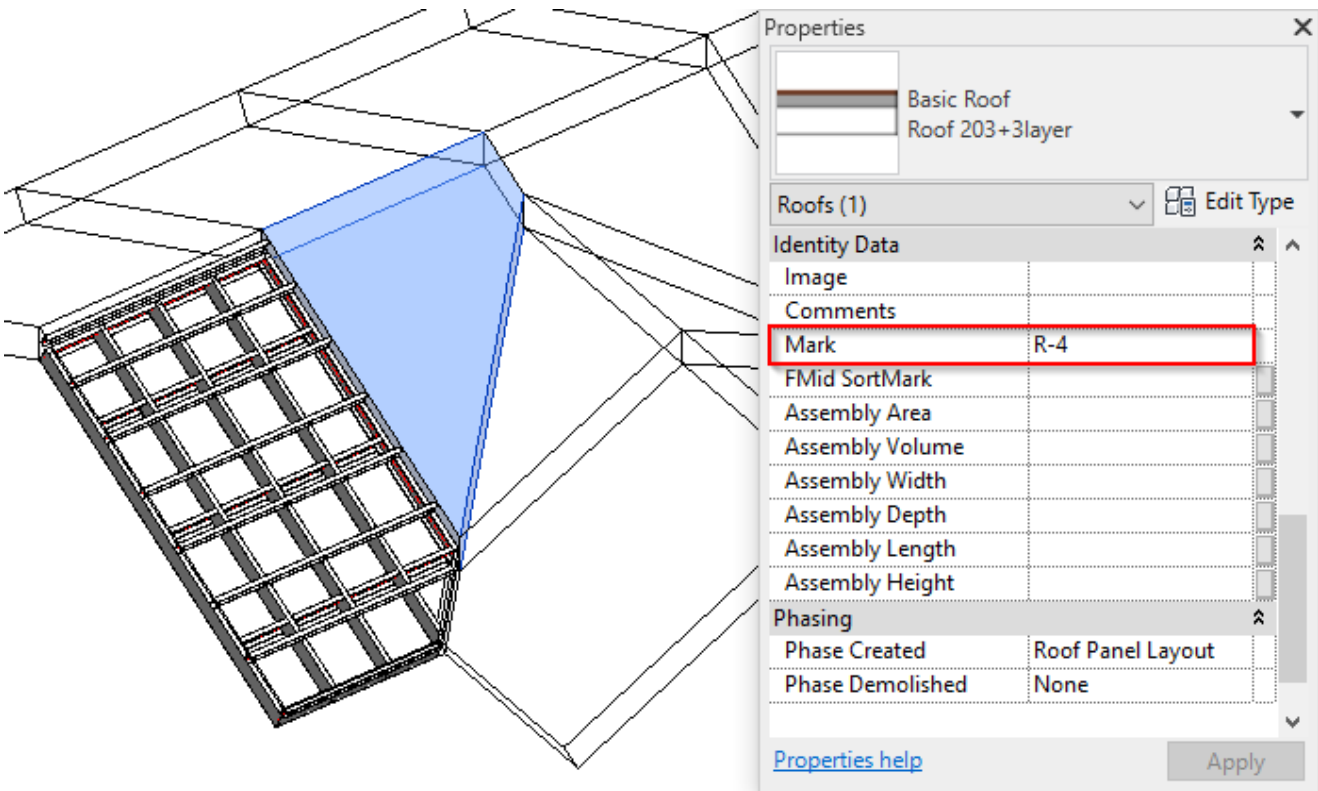


Number Roofs – rennumbers all roofs by predefined configuration in **Numbering Configuration** → **Roof Numbering Setup**. Roof numbering configurations come from **Sort Mark** (<http://www.aga-cad.com/products/tools4revit/sort-mark>).

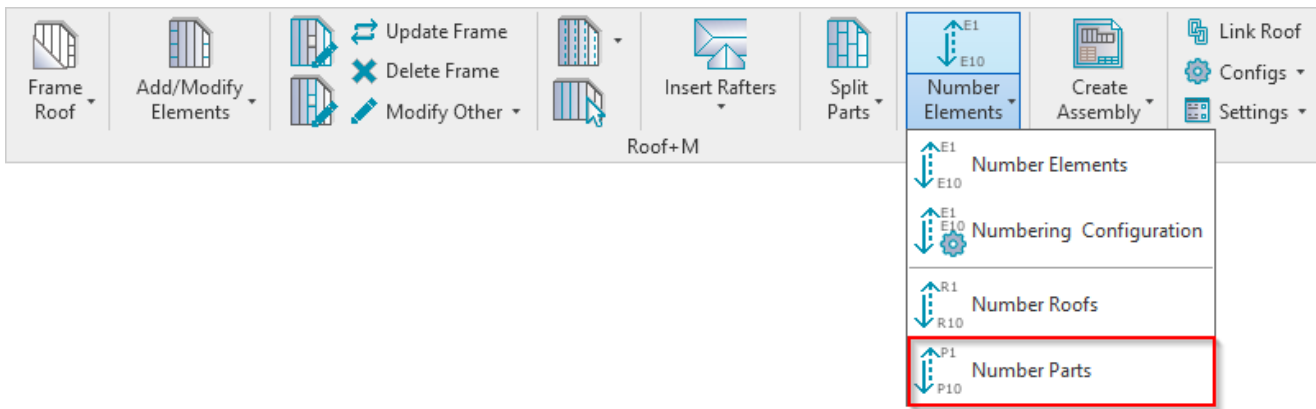


Example: All roofs are numbered by unique number, which has F as a prefix. Result is written to the Mark instance parameter.

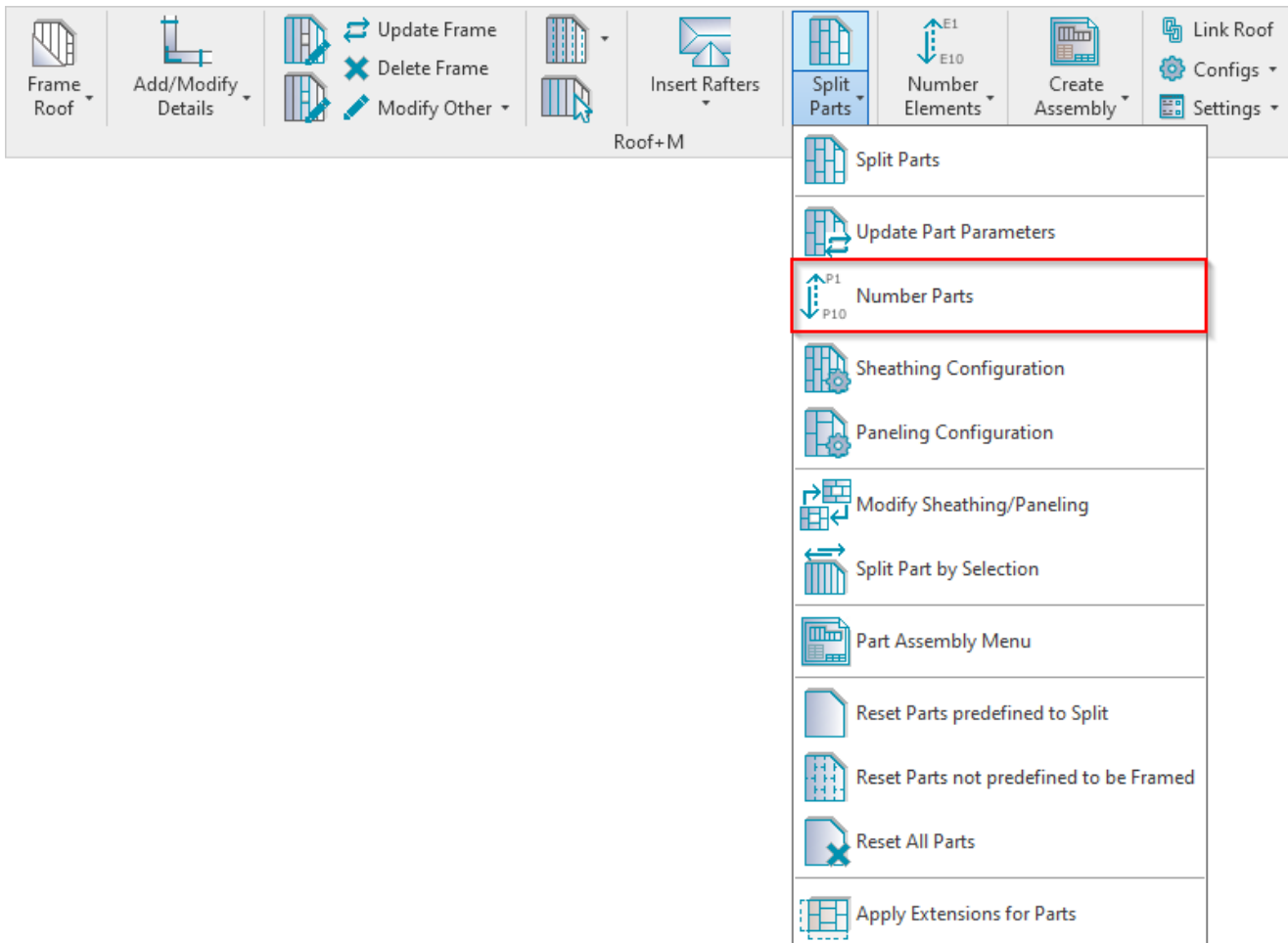
[Sort Mark E-Help >>](#)



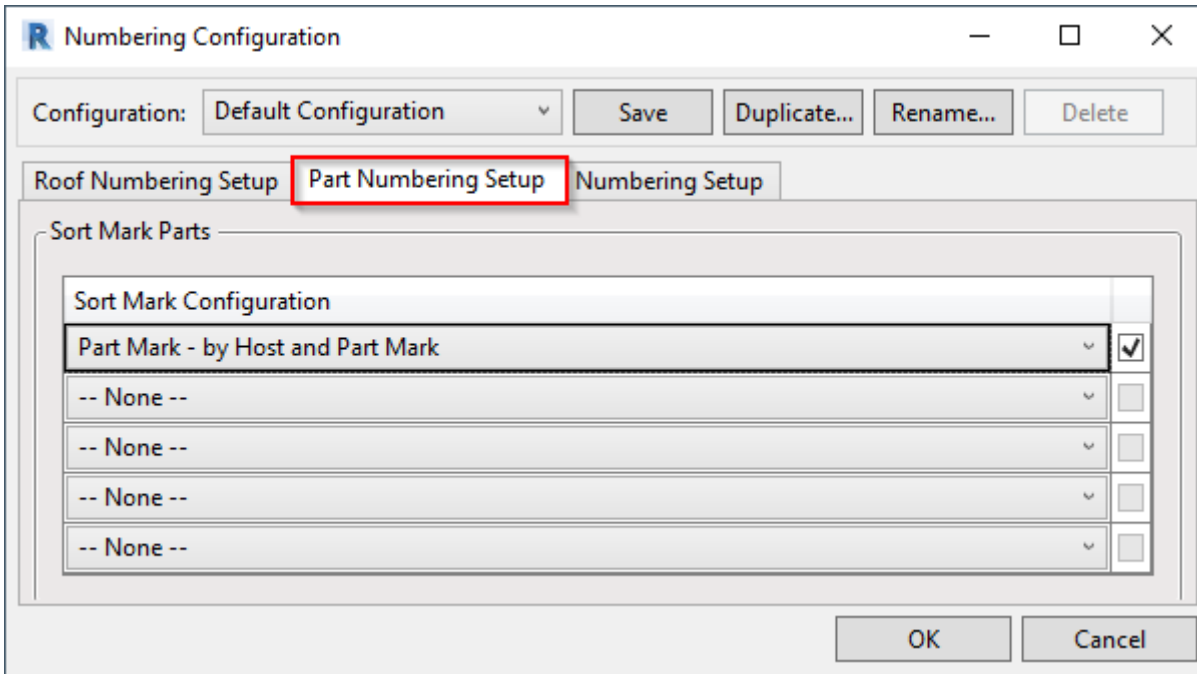
Number Parts



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 >>](#)

