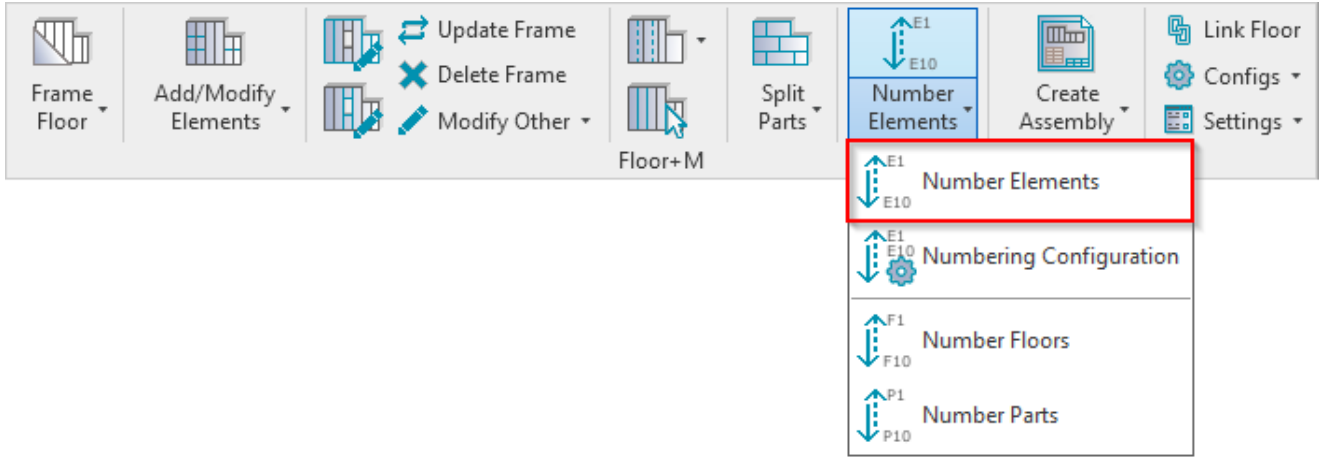


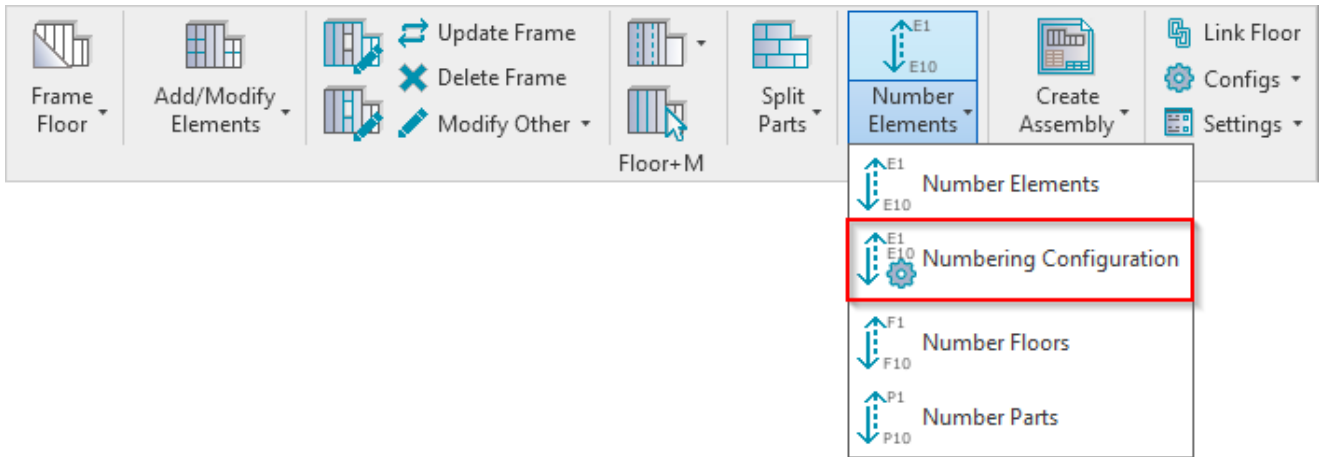
NUMBERING

Modified on: Thu, 12 Sep, 2019 at 8:54 PM

Number Elements



Number Elements – renumbers 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:

R Numbering Configuration

Configuration: Default Configuration Save Duplicate... Rename... Delete

Floor Numbering Setup Part Numbering Setup **Numbering Setup**

Sort & Number Structural Framing and Connections

| | |
|--|-------------------------------------|
| Write Position for CNC Mark | <input checked="" type="checkbox"/> |
| Sort Structural Framing by Id (will be removed) | <input type="checkbox"/> |
| Sort Structural Framing by Mark (will be removed) | <input type="checkbox"/> |
| Sort Structural Framing by Assembly Name (will be removed) | <input type="checkbox"/> |
| Sort Structural Framing from Start to End | <input type="checkbox"/> |
| Sort Structural Connections by Mar (will be removed) | <input type="checkbox"/> |

Sort Mark Structural Framings

| | |
|---|-------------------------------------|
| Sort Mark Configuration | |
| FM SortMark - by Frame Host Mark and Element ID | <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 | |
| 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"/> |

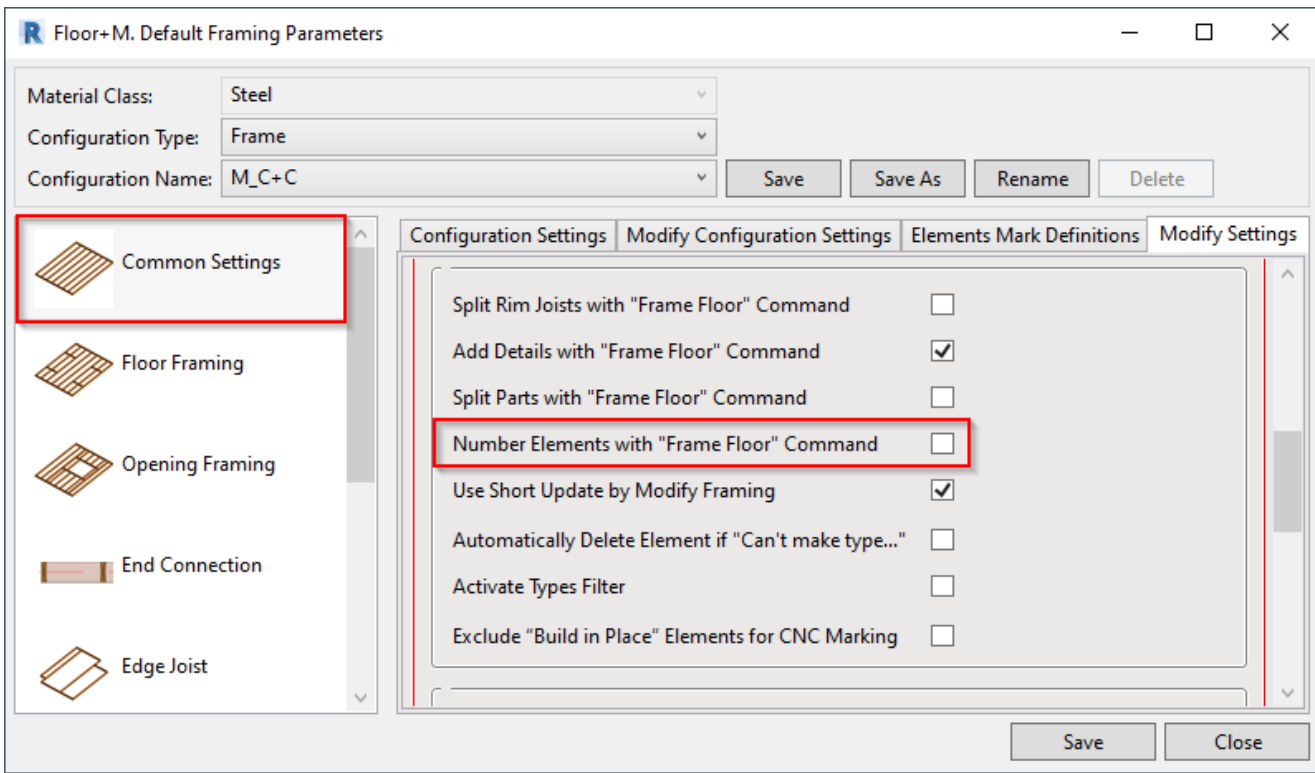
Sort Mark Configuration Files' Location

Use Predefined SortMark configurations

C:\Users\Renata\AppData\Roaming\Tools 4 Revit\Floor+M2020 Configurations\Numbering Setup Configurations\SortMark

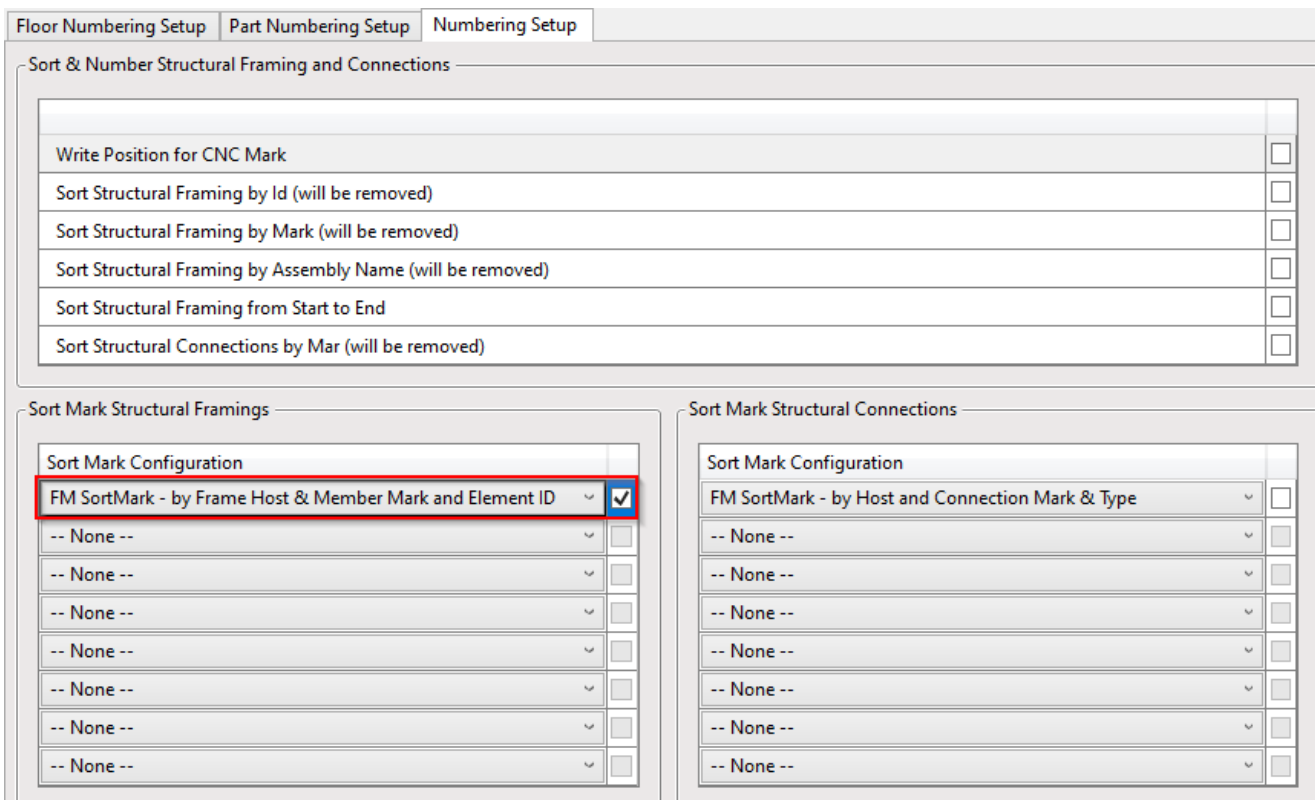
OK Cancel

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



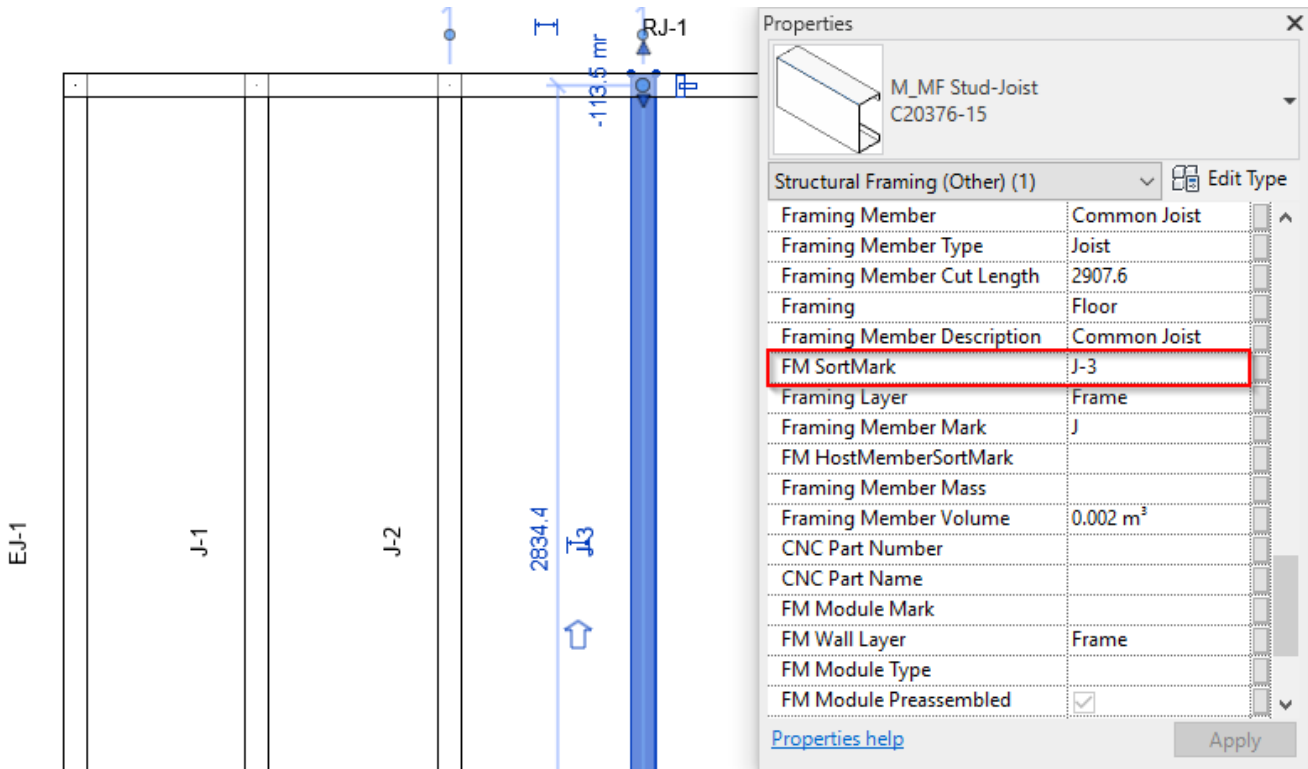
Read more about Numbering Configuration >> (<https://agacad.freshdesk.com/support/solutions/articles/44001797296-numbering-%E2%80%93-numbering-configuration>).

Number Elements - Example 1

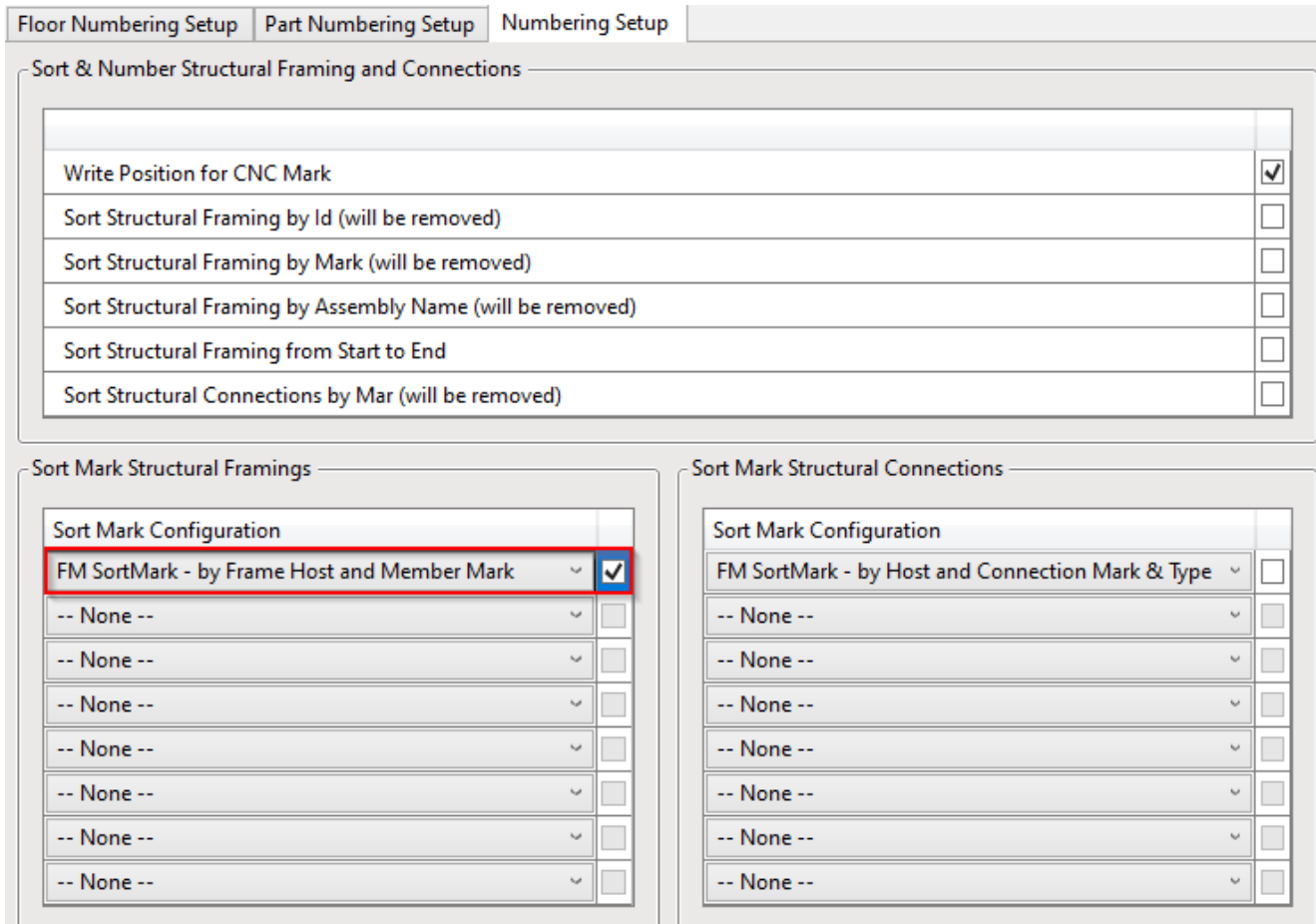


FM SortMark - by Frame Host & Member Mark and Element ID – a sample rule for numbering farming members. It groups framing elements by frame host and **Framing Member Mark** (comes from **Framing Configuration** → **Common Settings** → **Elements Mark Definitions**). Then every grouped element is sorted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

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

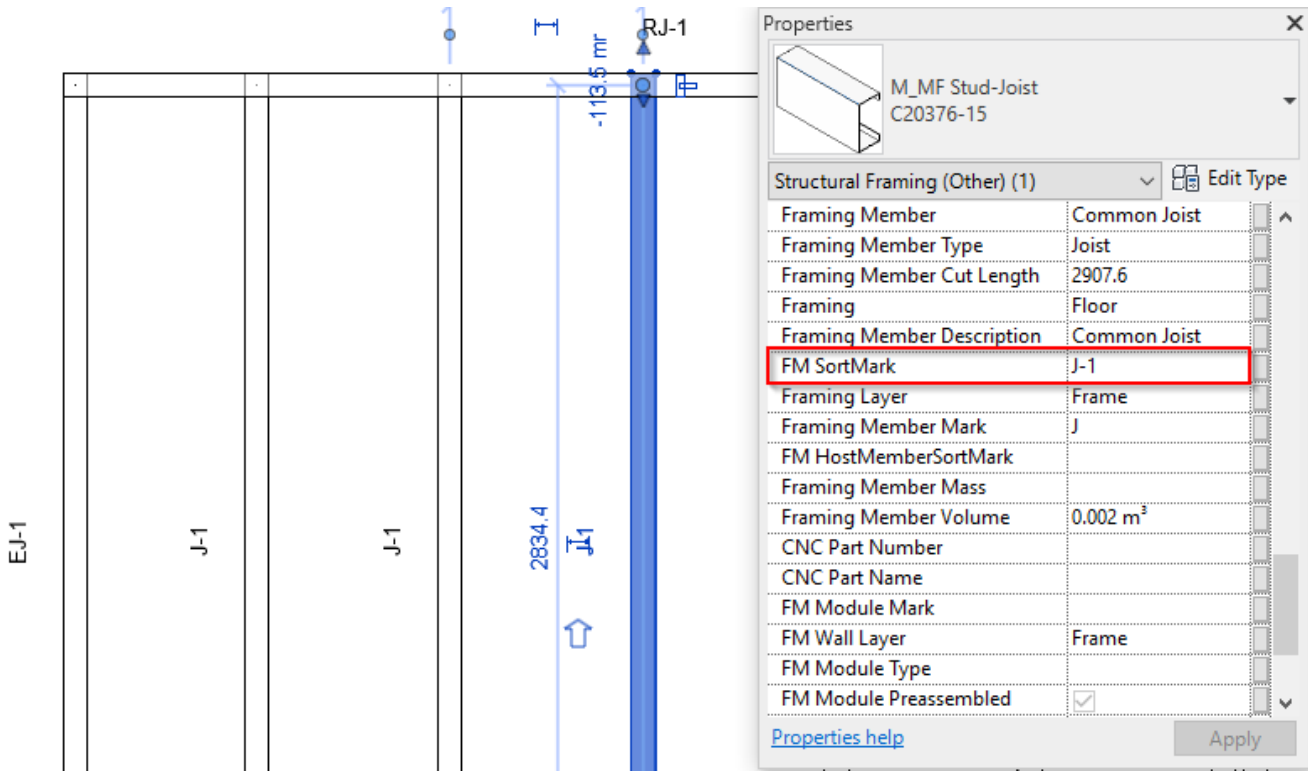


Number Elements - Example 2



FM SortMark - by Frame Host and Member Mark – a sample rule for numbering 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**.

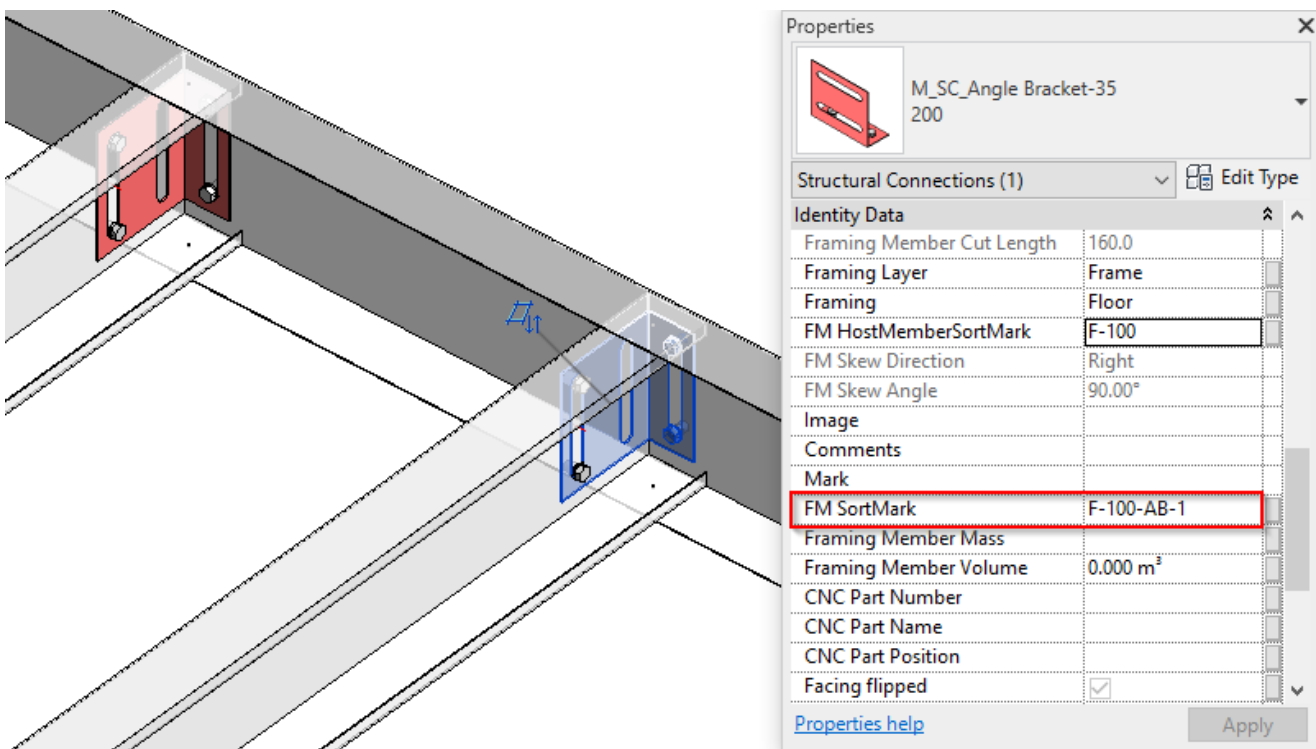


Number Elements - Example 3

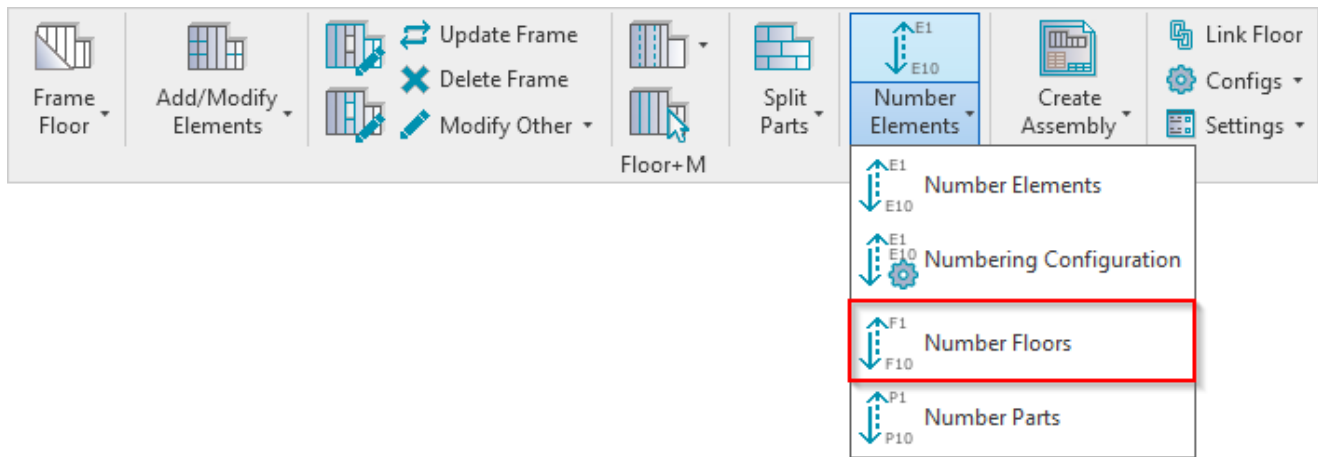
| Floor Numbering Setup | Part Numbering Setup | Numbering Setup |
|--|----------------------|-------------------------------------|
| Sort & Number Structural Framing and Connections | | |
| Write Position for CNC Mark | | <input checked="" type="checkbox"/> |
| Sort Structural Framing by Id (will be removed) | | <input type="checkbox"/> |
| Sort Structural Framing by Mark (will be removed) | | <input type="checkbox"/> |
| Sort Structural Framing by Assembly Name (will be removed) | | <input type="checkbox"/> |
| Sort Structural Framing from Start to End | | <input type="checkbox"/> |
| Sort Structural Connections by Mar (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"/> |
| -- None -- | | <input type="checkbox"/> |
| Sort Mark Structural Connections | | |
| Sort Mark Configuration | | |
| 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.

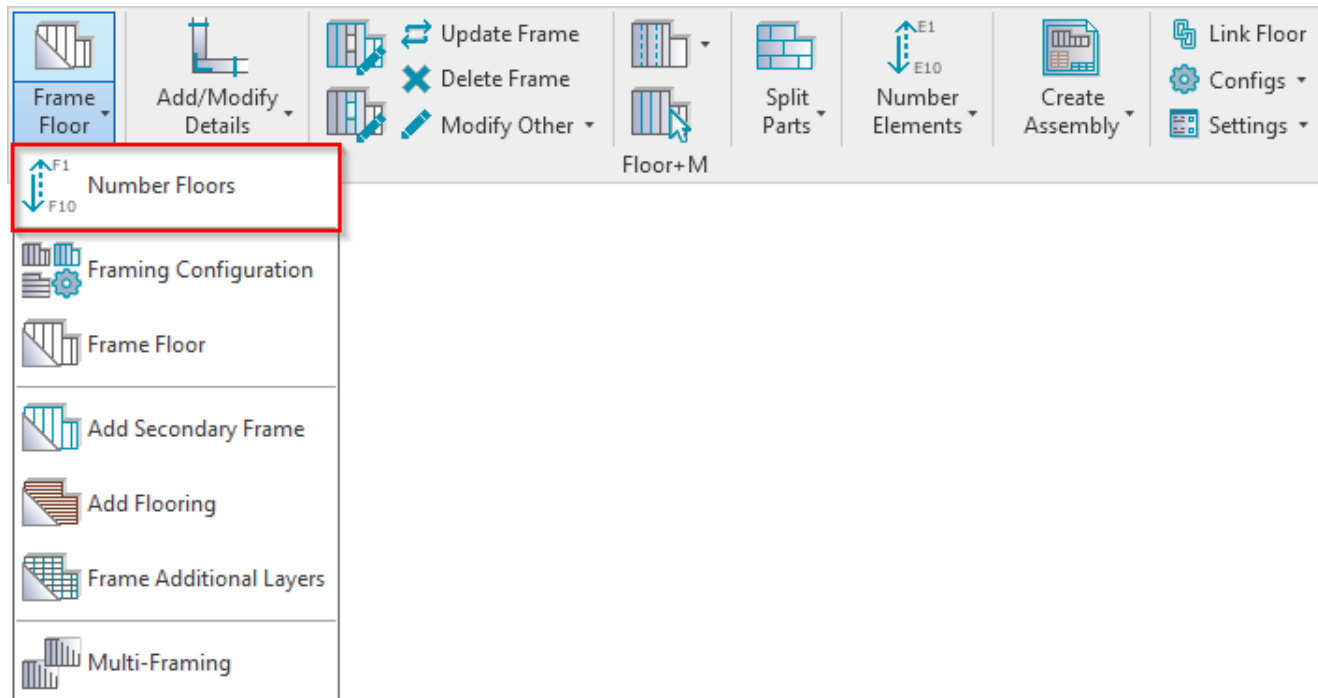
FM SortMark – parameter with the result. You can find it in **Element Properties** → **Identity Data**.



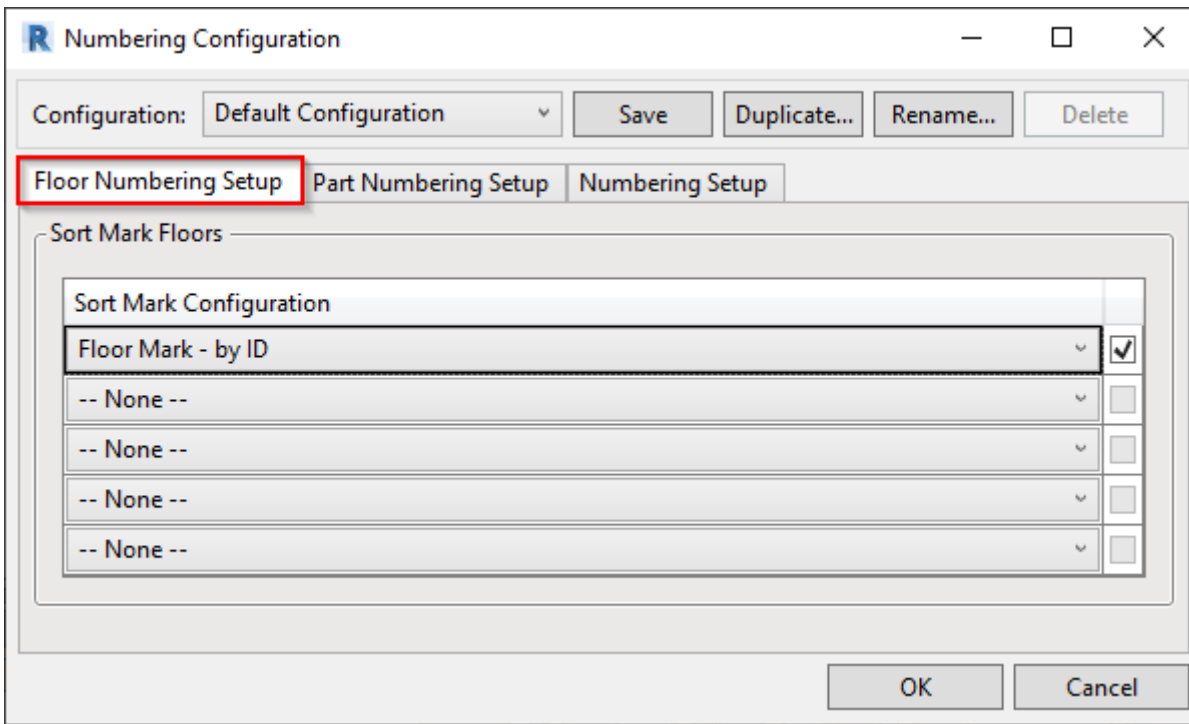
Number Floors



OR:

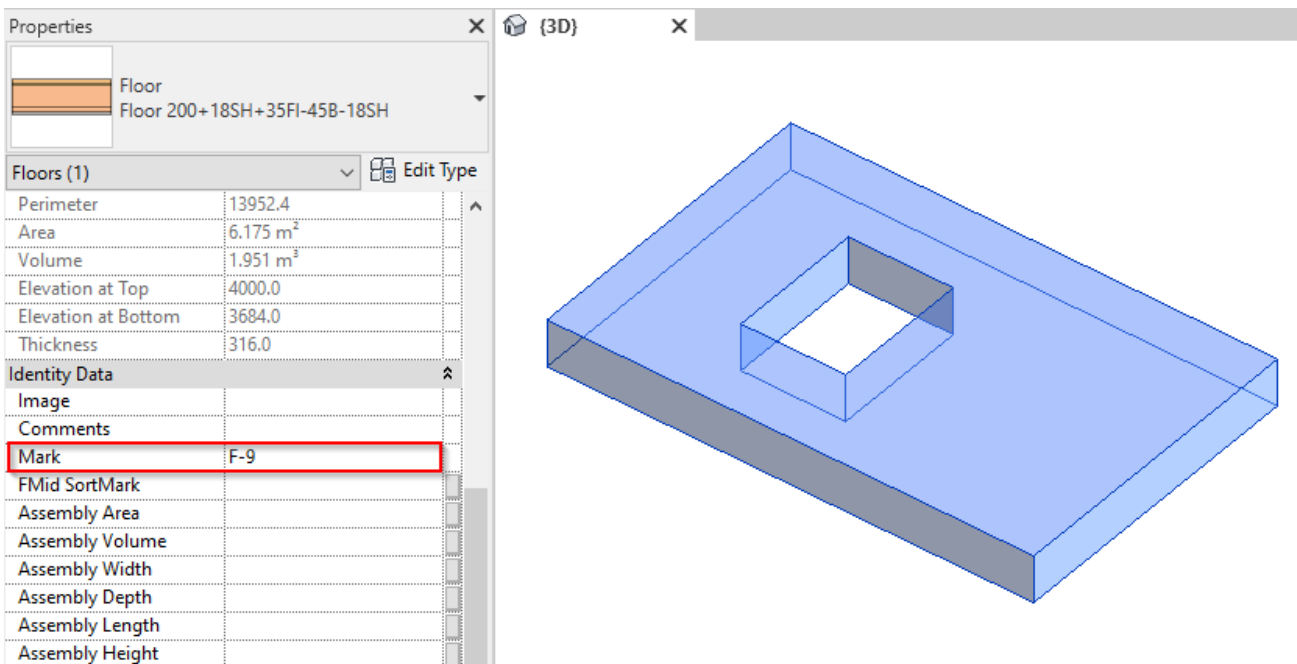


Number Floors – rennumbers all floors by predefined configuration in **Numbering Configuration** → **Floor Numbering Setup**. Floor numbering configurations come from **Sort Mark** (<http://www.aga-cad.com/products/tools4revit/sort-mark>).

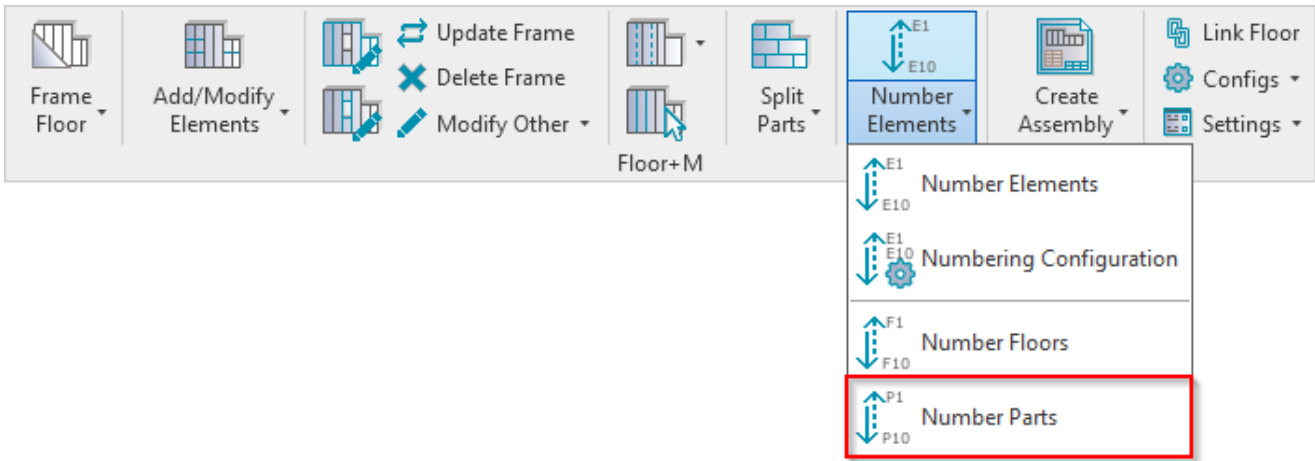


Example: All floors are numbered by unique number, which has F as a prefix. Result is written to the Mark instance parameter.

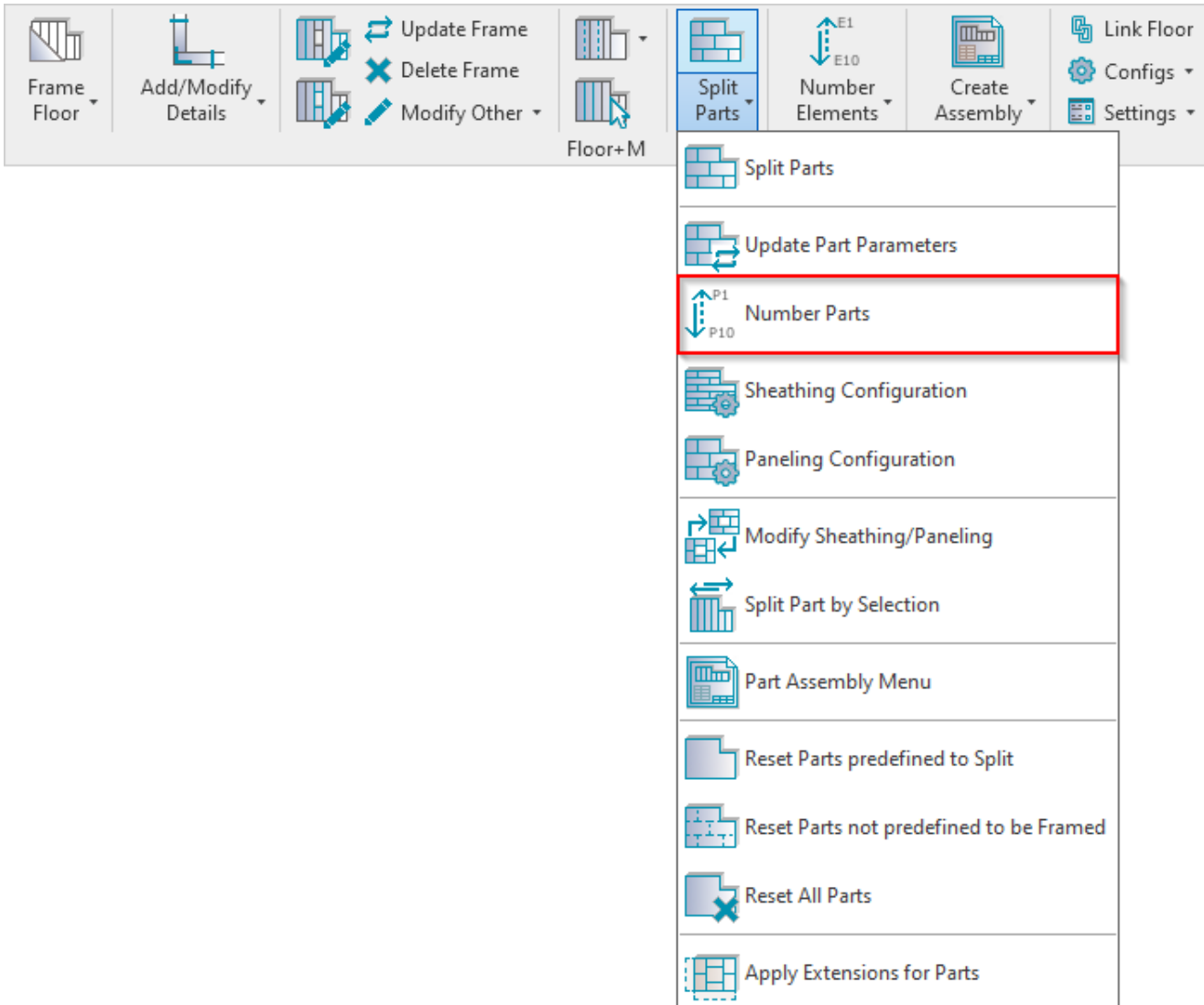
[Sort Mark E-Help >>](#)



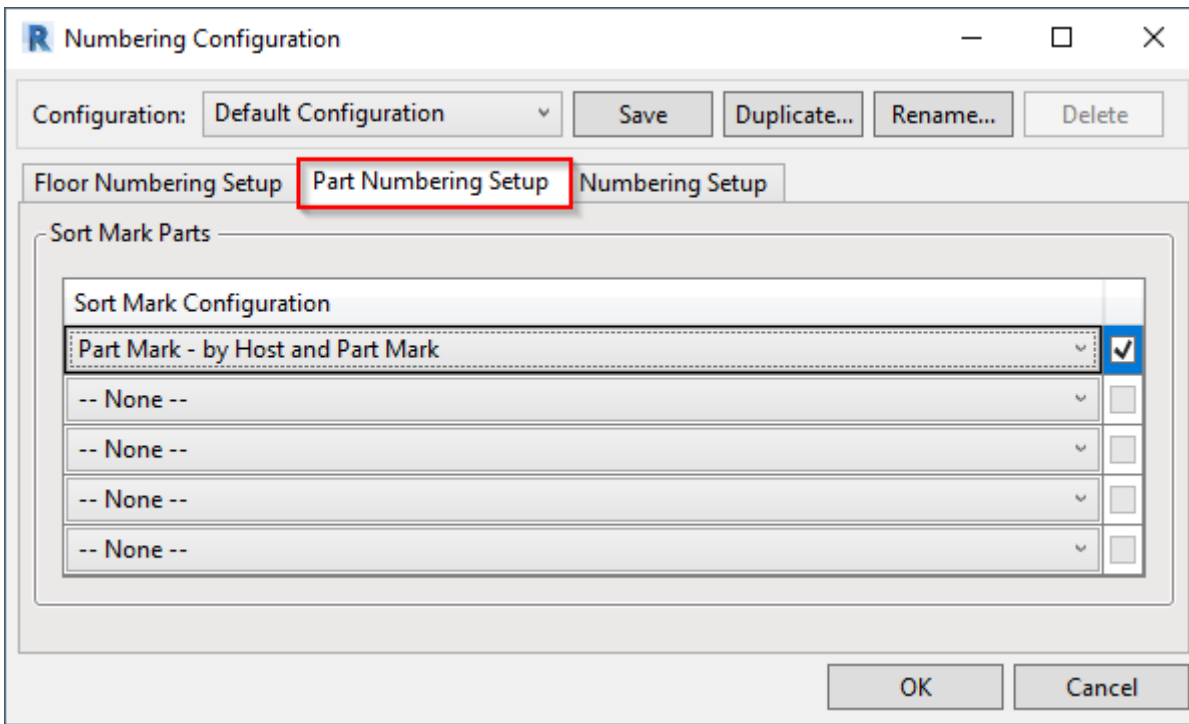
Number Parts



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 >>](#)

