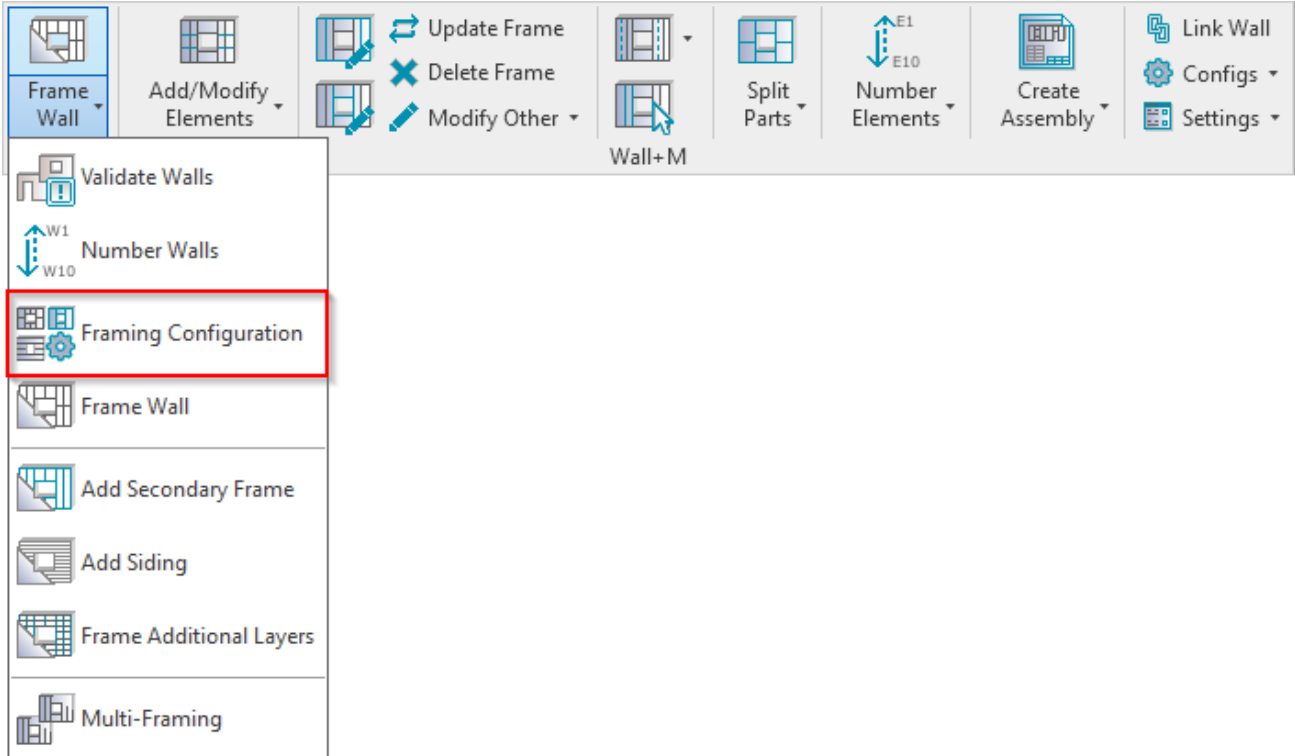


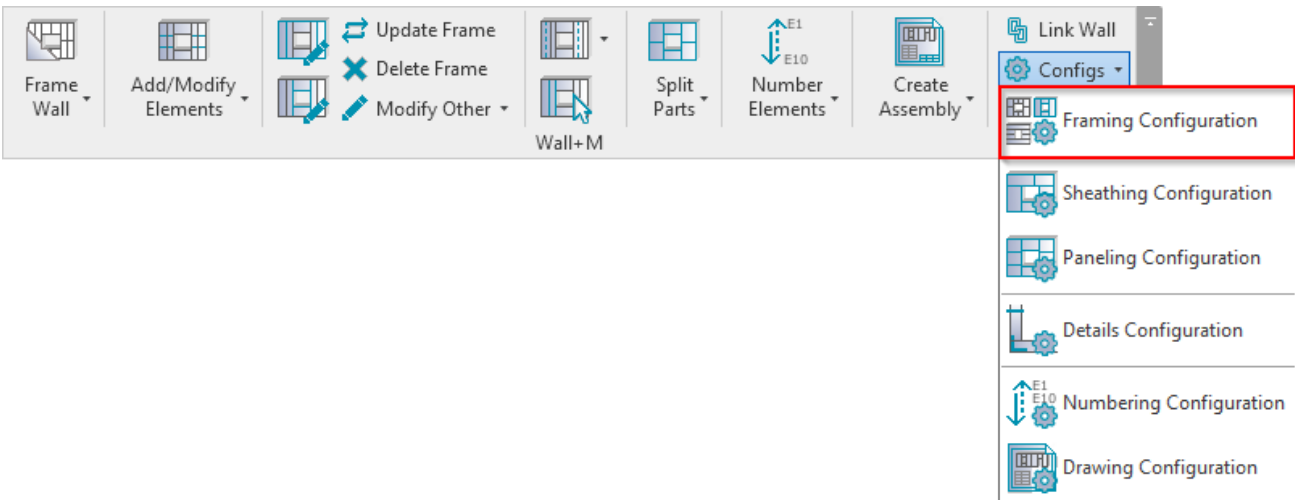
# FRAMING CONFIGURATION – Opening Framing – Edit Window/Window Join Framing or Window/Door Join Framing

Modified on: Mon, 28 Dec, 2020 at 7:31 PM

**Framing Configuration** may be found in two locations:

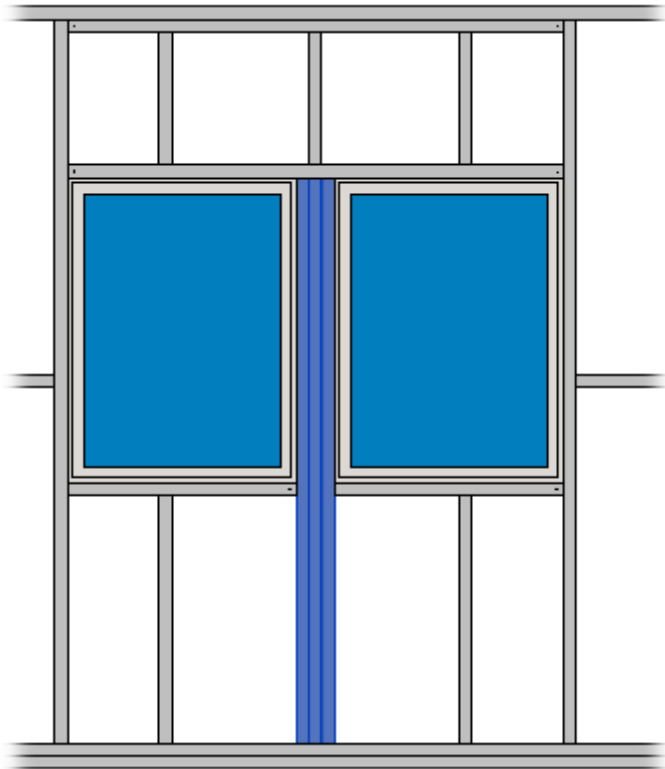
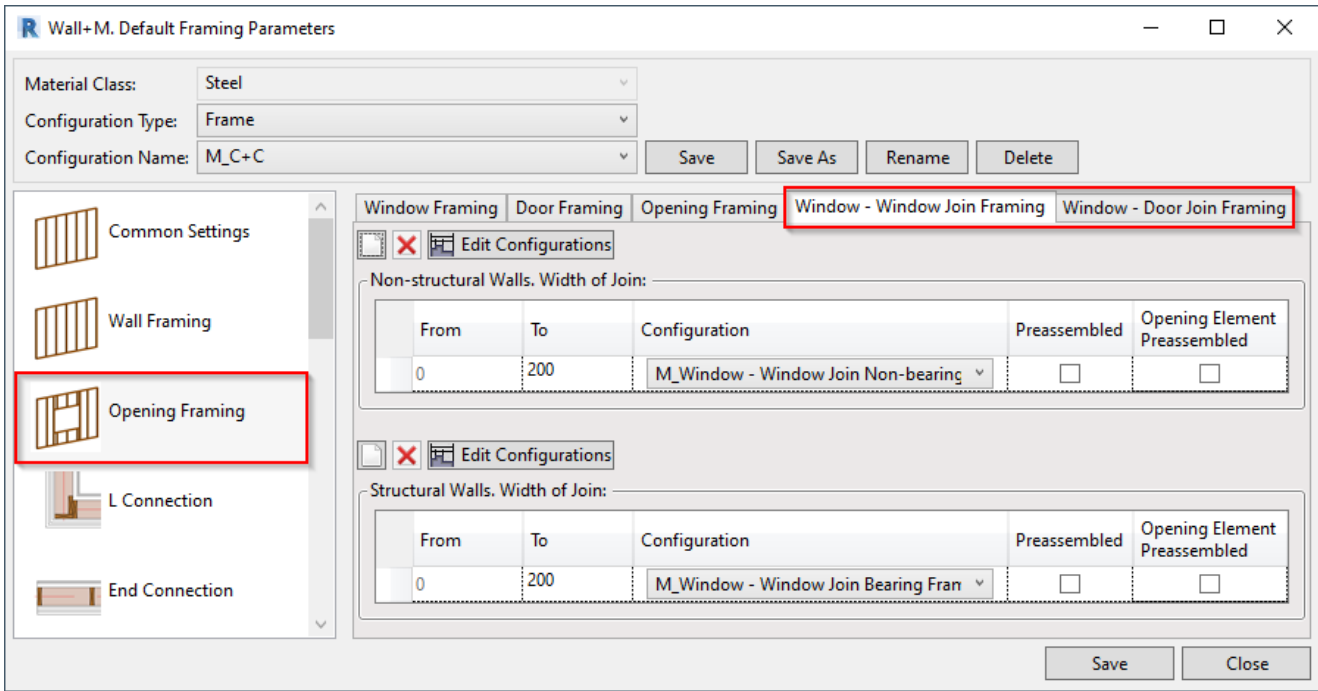


OR:

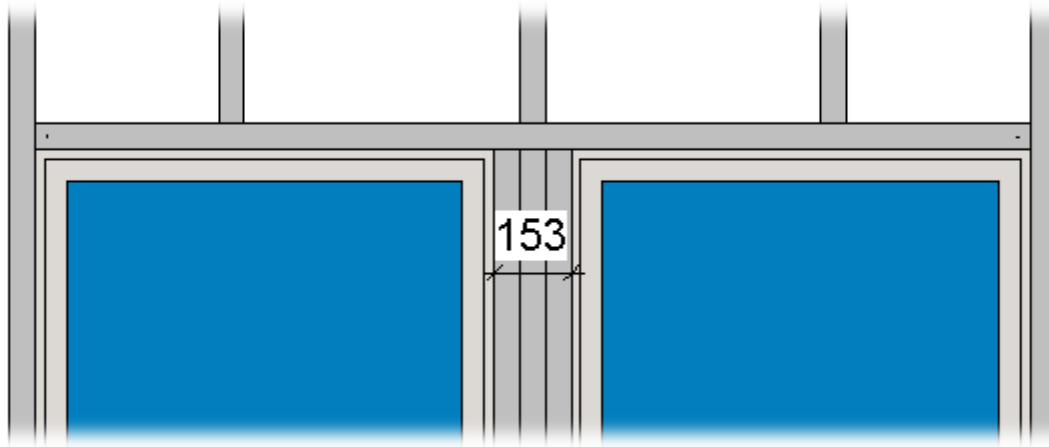


## Window – Window Join Framing and Window – Door Join Framing

**Window – Window Join Framing** and **Window – Door Join Framing** configuration settings are used to predefine Left, Right, Middle, and Center Top or Bottom Trimmers and Cripples. Settings are saved under separate configuration name and can be adjusted for different join sizes (From – To).

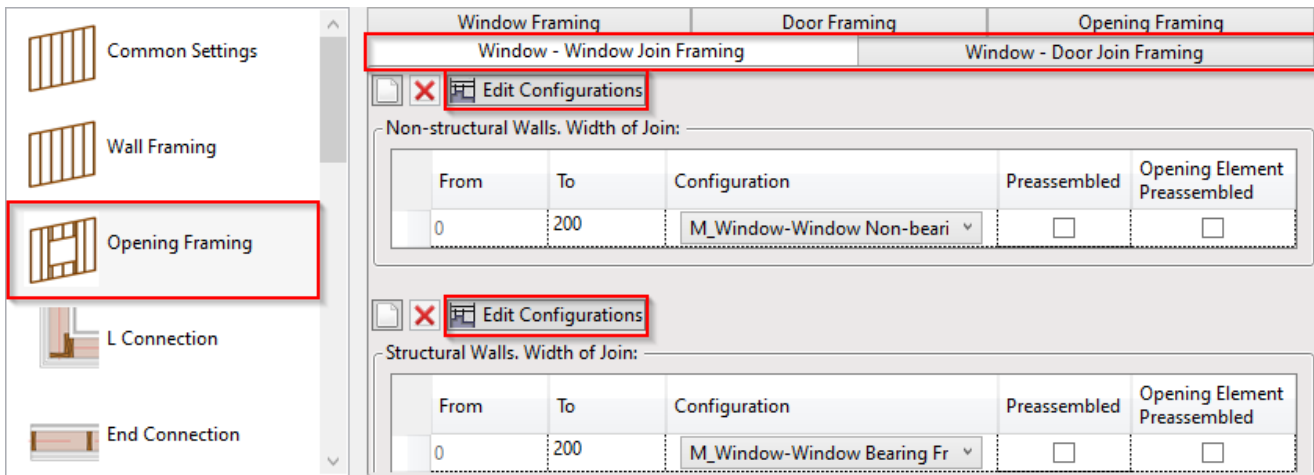


Example: *From* = 0, *To* = 180. If the distance between openings is smaller than 180, then the openings will be joined and the trimmers or cripples will be modified with **Edit Configuration**.



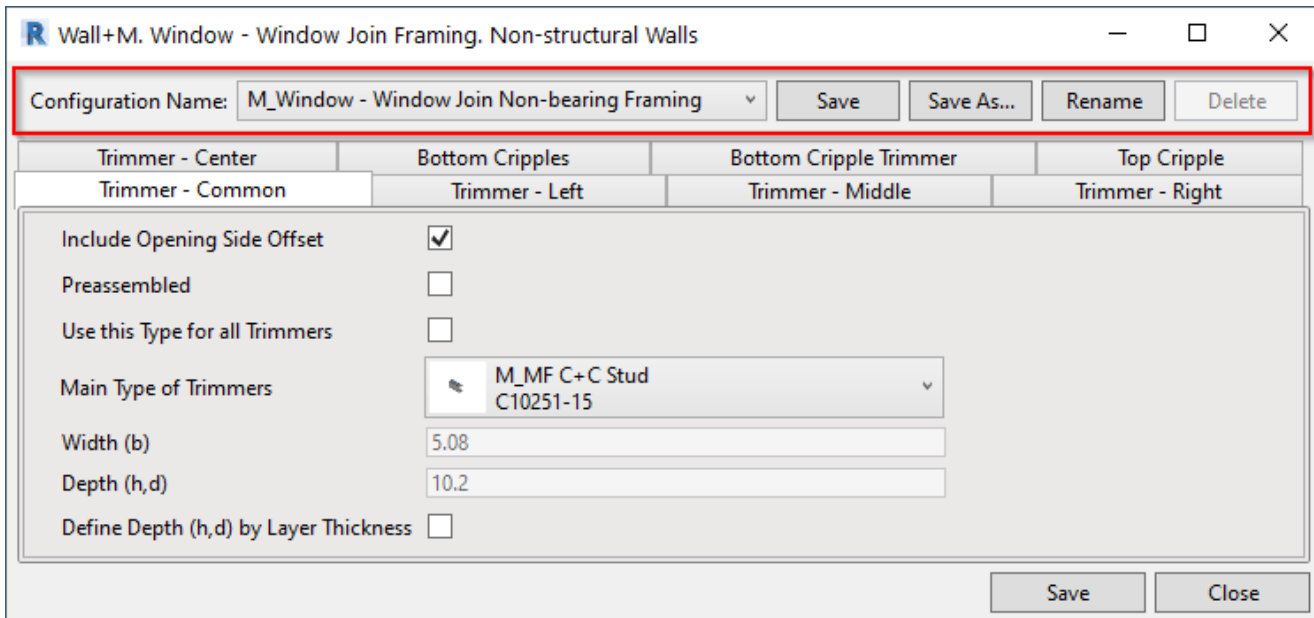
### Edit Configuration

In order to edit, create new, rename, or delete opening framing configuration, you have to click **Edit Configurations** for the structural or non-structural walls:



Default configurations will come together with the software. Default path to opening configurations is: *C:\Users\user name\AppData\Roaming\Tools 4 Revit\Wall+M(version) Configurations\Framing Configurations\Metric or Imperial\custom configuration name\WindowWindowJoins*

It saves all the settings of trimmers, cripples that are listed down below in the dialog:





# Trimmers

Trimmer - Center	Bottom Cripples	Bottom Cripple Trimmer	Top Cripple
Trimmer - Common	Trimmer - Left	Trimmer - Middle	Trimmer - Right
<input checked="" type="checkbox"/> Include Opening Side Offset			
<input type="checkbox"/> Preassembled			
<input type="checkbox"/> Use this Type for all Trimmers			
Main Type of Trimmers		<input type="text" value="M_MF C+C Stud C10251-15"/>	
Width (b)		<input type="text" value="5.08"/>	
Depth (h,d)		<input type="text" value="10.2"/>	
<input type="checkbox"/> Define Depth (h,d) by Layer Thickness			

**Include Opening Side Offset** – controls whether or not the joined opening should have offsets around the opening, which come from single opening settings **Offsets**.

There are common settings for trimmers where you can predefine the type and automatically define the depth by layer thickness. With **Use for all Trimmers** you can automatically change the selected type for all left, right, middle, or center trimmers.

Trimmer - Center	Bottom Cripples	Bottom Cripple Trimmer	Top Cripple
Trimmer - Common	Trimmer - Left	Trimmer - Middle	Trimmer - Right
<input checked="" type="checkbox"/> Include Opening Side Offset			
<input type="checkbox"/> Preassembled			
<input type="checkbox"/> Use this Type for all Trimmers			
Main Type of Trimmers		<input type="text" value="M_MF C+C Stud C10251-15"/>	
Width (b)		<input type="text" value="5.08"/>	
Depth (h,d)		<input type="text" value="10.2"/>	
<input type="checkbox"/> Define Depth (h,d) by Layer Thickness			

Here you can control **Left** and **Right** trimmers:

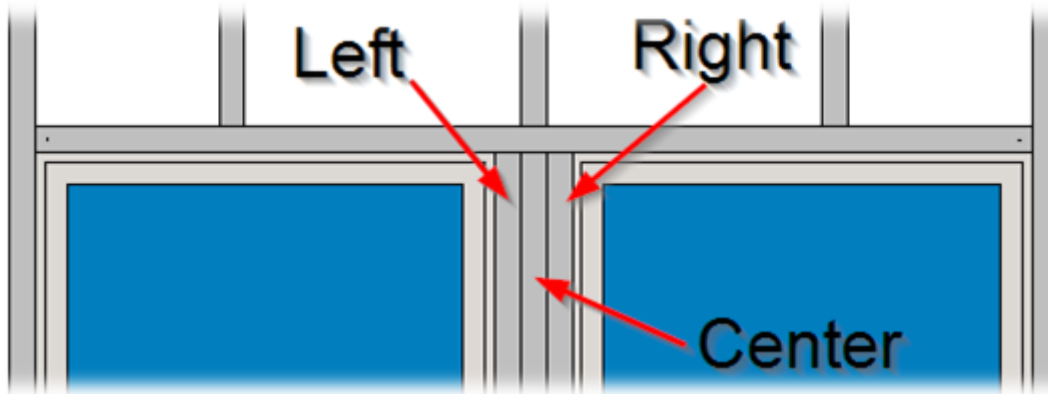
Trimmer - Center	Bottom Cripples	Bottom Cripple Trimmer	Top Cripple
Trimmer - Common	Trimmer - Left	Trimmer - Middle	Trimmer - Right

Custom Join  
Configuration  
Predefined Layout Name: *Default Configuration*      
Select Layout from Database Configuration: -- Select --

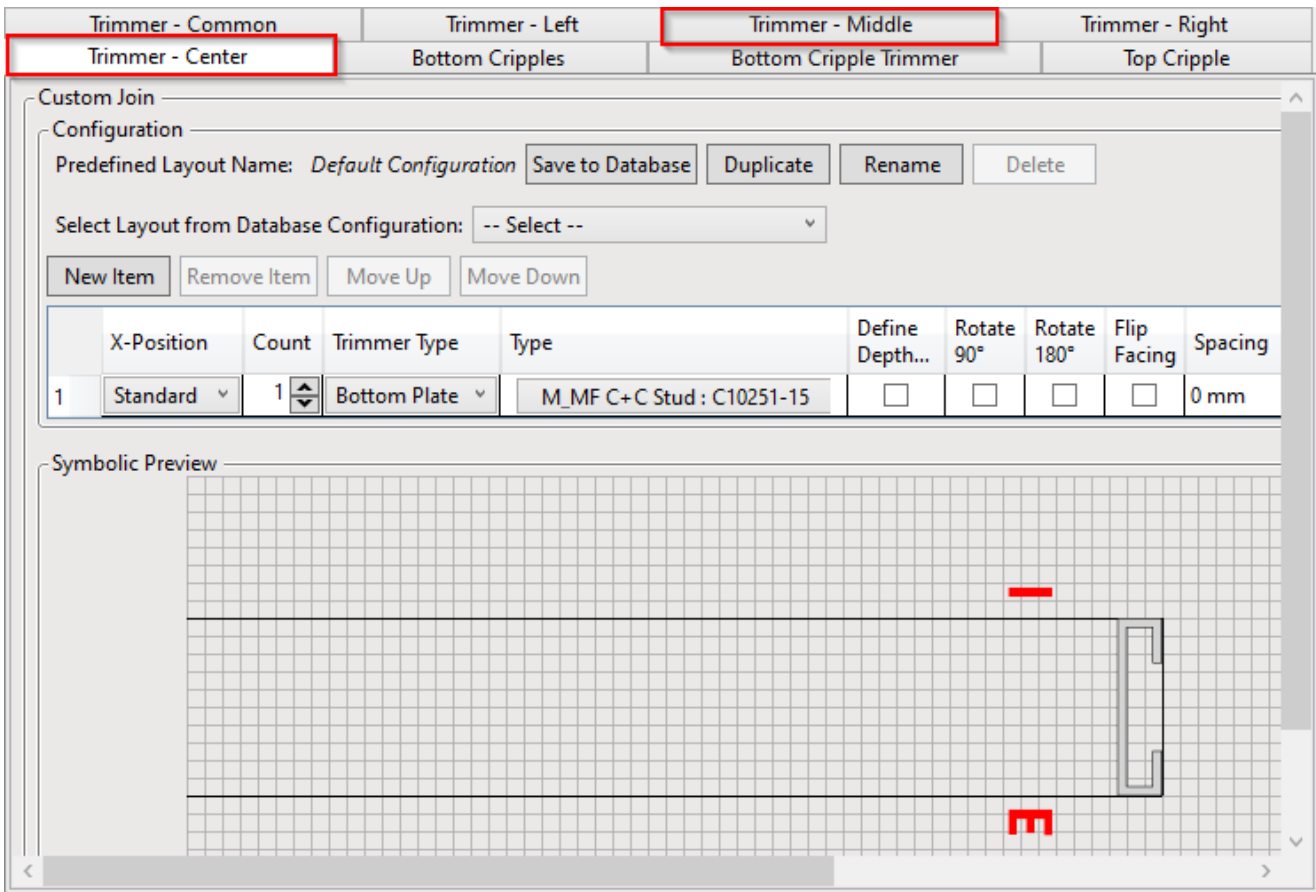
	X-Position	Count	Trimmer Type	Type	Define Depth...	Rotate 90°	Rotate 180°	Flip Facing	Spacing
1	Standard	1	Bottom Plate	M_MF C+C Stud : C10251-15	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0 mm

Symbolic Preview

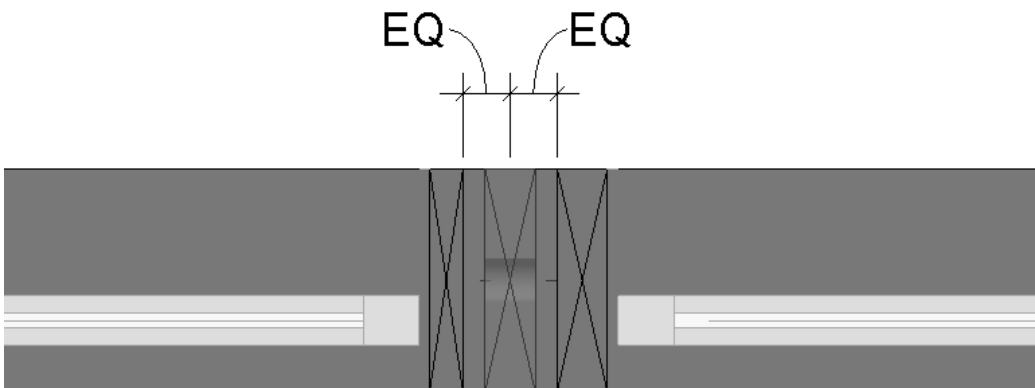
Left and Right positions from external wall side:



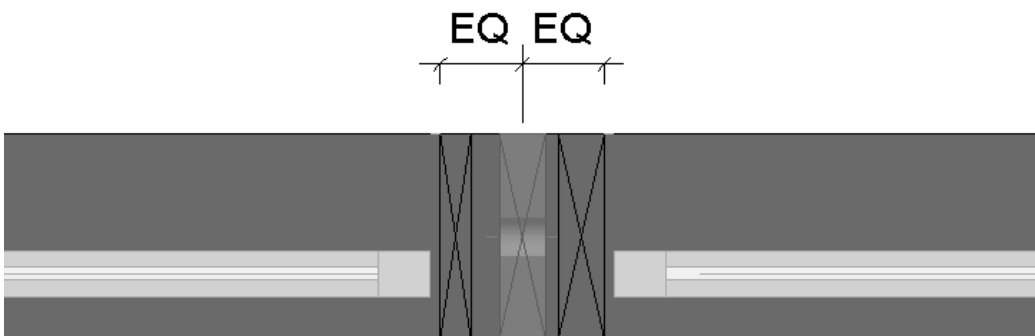
Here you can control **Middle** and **Center** trimmers:



**Middle** trimmers will be added equidistant from left and right trimmers:



**Center** trimmers will be added equidistant from left and right openings:



Here you can control **Bottom Cripple Trimmer**:

Trimmer - Common	Trimmer - Left	Trimmer - Middle	Trimmer - Right
Trimmer - Center	Bottom Cripples	<b>Bottom Cripple Trimmer</b>	Top Cripple

Custom Join

Configuration

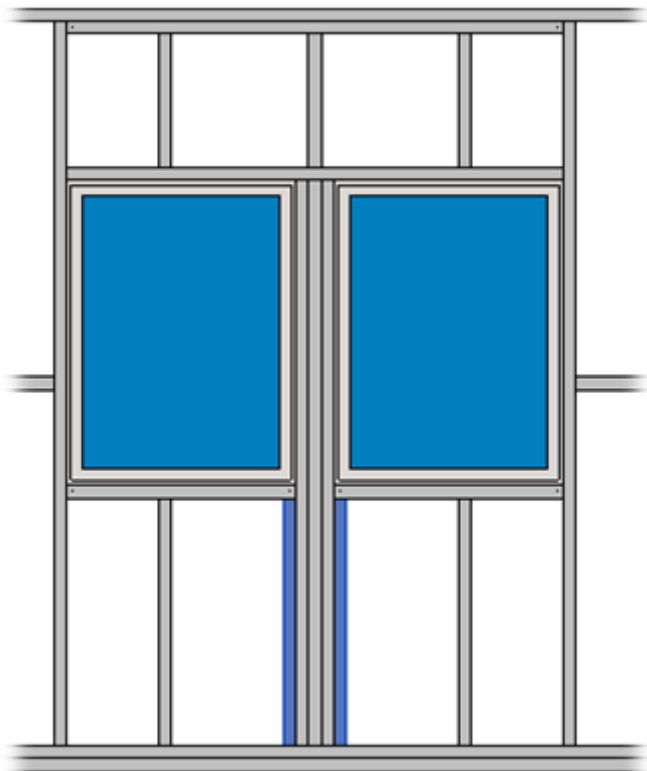
Predefined Layout Name: *Default Configuration*

Select Layout from Database Configuration:

	X-Position	Count	Type	Define Depth...	Rotate 90°	Rotate 180°	Flip Facing	Spacing
1	Window !	1	M_MF C+C Stud : C10251-15	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0 mm

Symbolic Preview

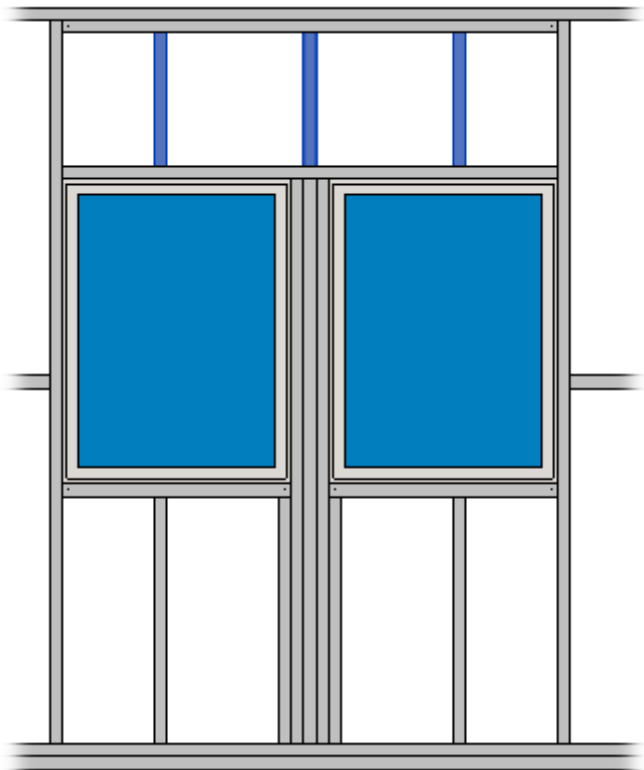
Example: Number of Bottom Trimmer Studs/Joists = 1:



Here you can control **Top Cripples**:



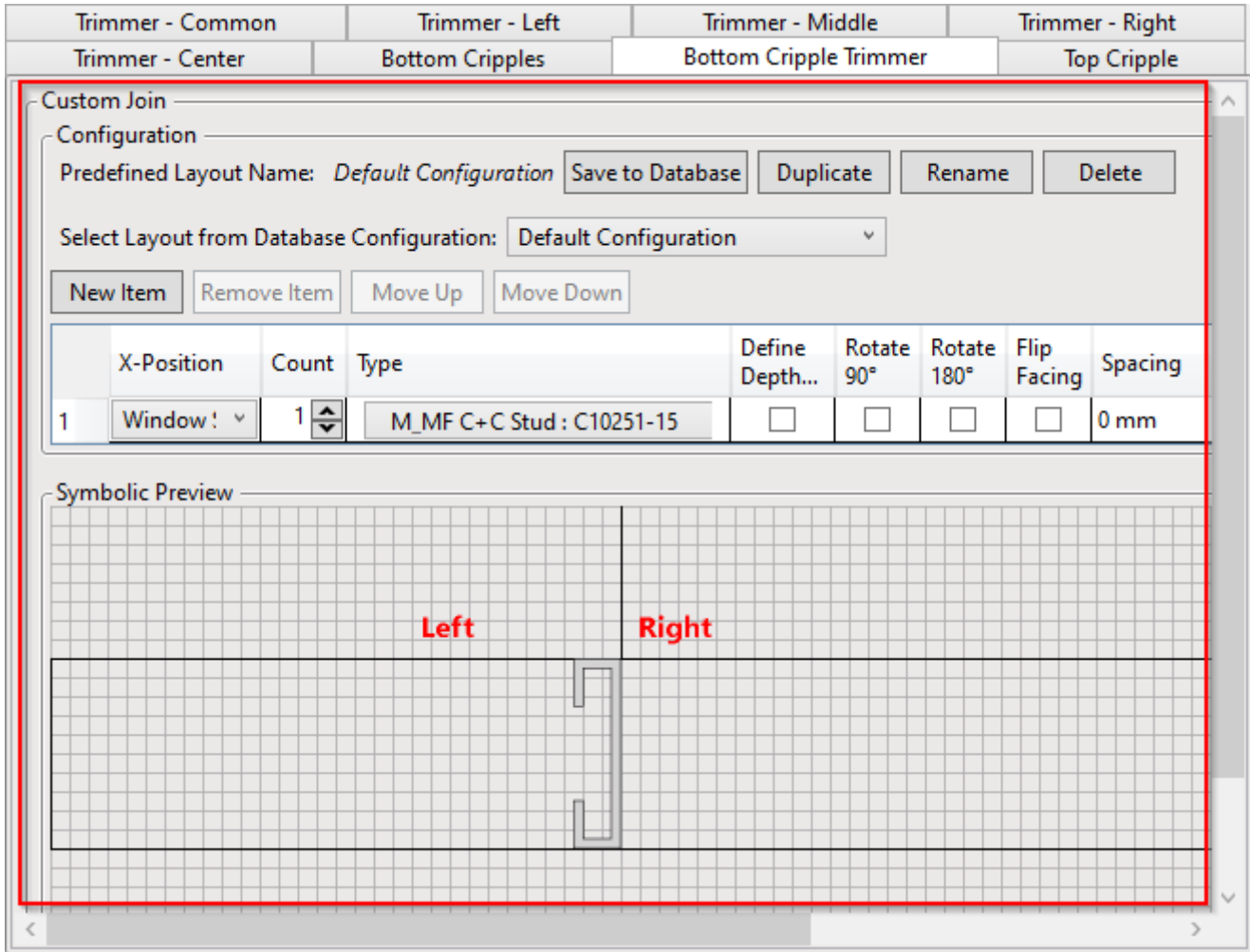
Trimmer - Common	Trimmer - Left	Trimmer - Middle	Trimmer - Right
Trimmer - Center	Bottom Cripples	Bottom Cripple Trimmer	<b>Top Cripple</b>
Joined layout of Cripple Studs/Joists	<input type="checkbox"/>		
Define Top Cripple Studs/Joists by Spacing	<input checked="" type="checkbox"/>		
Spacing Type	Centered		
Spacing of Top Cripple Studs/Joists	600		
Number of Top Cripple Studs/Joists	2		



Note: **Top/Bottom Cripples** will work in joined windows if **Automatically Align Opening Cripples with Studs** is switched OFF near **Common Settings**. If it is ticked ON, then the cripples will be aligned with the main framing studs.

<div style="border: 1px solid red; padding: 2px;">  Common Settings             </div> <div style="padding: 2px;">  Wall Framing             </div> <div style="padding: 2px;">  Opening Framing             </div>	<table border="1"> <tr> <th>Elements Mark Definitions</th> <th>Modify Settings</th> <th>Configuration Visibility</th> </tr> <tr> <td colspan="2">Configuration Settings</td> <td>Modify Configuration Settings</td> </tr> <tr> <td>Recalculate First/Last Stud Spacing for External Corners</td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td>Align with Main Frame</td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td><b>Automatically Align Opening Cripples with Studs</b></td> <td><input checked="" type="checkbox"/></td> <td></td> </tr> <tr> <td>Automatically Align Opening Cripples with Nearest Left Stud</td> <td><input type="checkbox"/></td> <td></td> </tr> <tr> <td>Allow First/Last Spacing to be up to twice size of Stud/Joist Spacing</td> <td><input type="checkbox"/></td> <td></td> </tr> </table>	Elements Mark Definitions	Modify Settings	Configuration Visibility	Configuration Settings		Modify Configuration Settings	Recalculate First/Last Stud Spacing for External Corners	<input type="checkbox"/>		Align with Main Frame	<input type="checkbox"/>		<b>Automatically Align Opening Cripples with Studs</b>	<input checked="" type="checkbox"/>		Automatically Align Opening Cripples with Nearest Left Stud	<input type="checkbox"/>		Allow First/Last Spacing to be up to twice size of Stud/Joist Spacing	<input type="checkbox"/>	
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Automatically Align Opening Cripples with Nearest Left Stud	<input type="checkbox"/>																					
Allow First/Last Spacing to be up to twice size of Stud/Joist Spacing	<input type="checkbox"/>																					

# Custom Join



**Custom Join** – is a multi-functional dialog where user can define rules for joins including size, count, position, rotation, spacing, alignment etc. All these rules can be saved and used in other framing configurations or shared with other users. This type of dialog is used frequently in our products, so here you can find [Custom Join detailed description >>](https://agacad.freshdesk.com/support/solutions/articles/44001990031-custom-join) (<https://agacad.freshdesk.com/support/solutions/articles/44001990031-custom-join>).