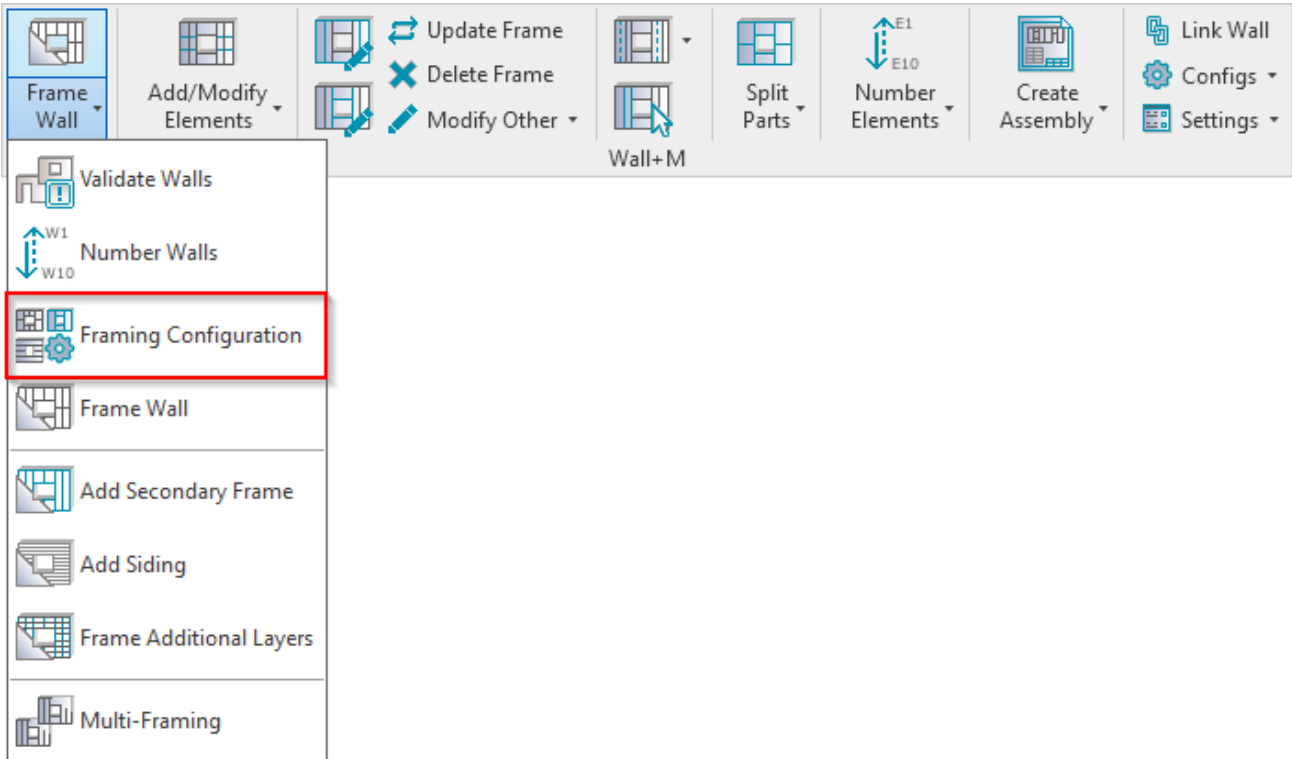


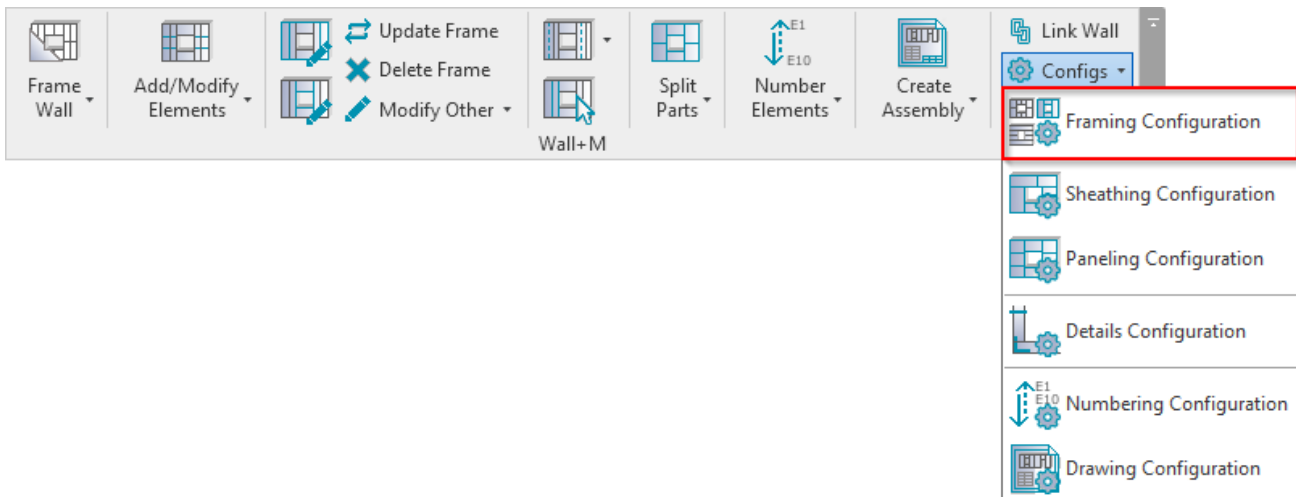
FRAMING CONFIGURATION – L, T, V, End Connections

Modified on: Sun, 7 Feb, 2021 at 8:47 PM

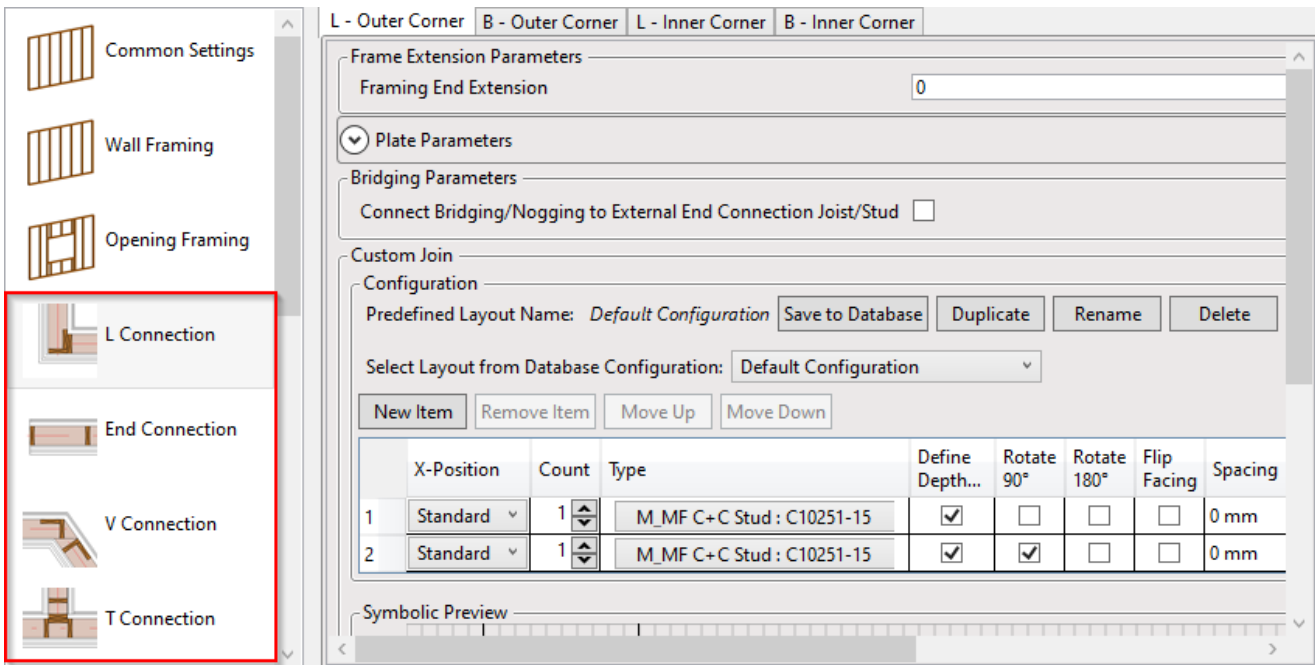
Framing Configuration may be found in two locations:



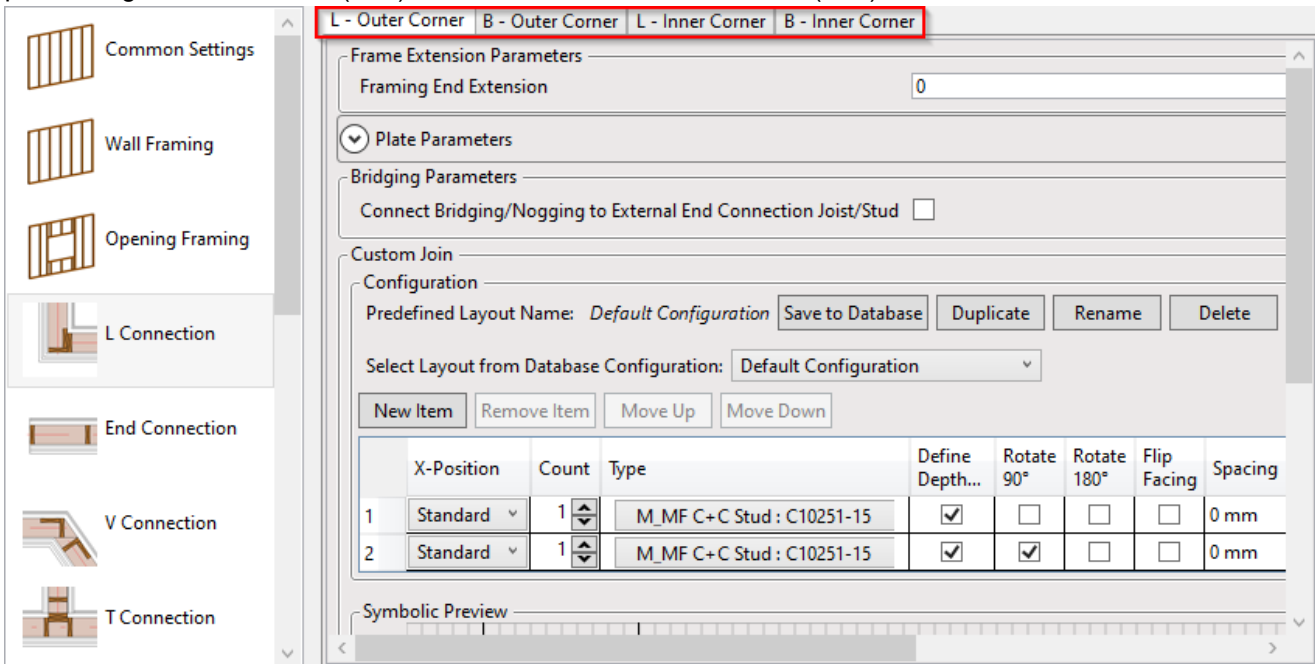
OR:



1. Choose **Framing Configuration** from **Wall+M** menu.
2. Choose **Configuration Type** that corresponds to framing layer of the wall.
3. Select **L Connection**, **End Connection**, **V Connection** or **T Connection**.



L Connections, End Connections, and T Connections are supplemented with options that bring further flexibility for predefining outer corners, B (Butt) outer corners, inner corners, or B (Butt) inner corners.

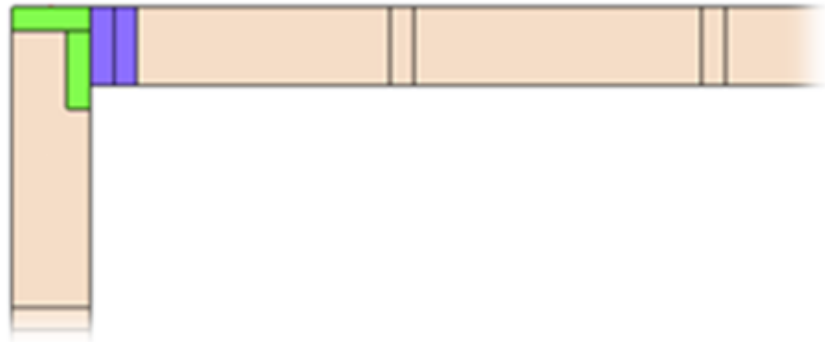


Wall+M recognizes inner and outer corners so that you can adjust different joins. It gives you more flexibility in modeling and easily handles complex situations:

Example with inner corner: You can predefine and change Butt connections

Butt Inner corner

L - Inner corner



Framing End Extension

L - Outer Corner | B - Outer Corner | L - Inner Corner | B - Inner Corner

Frame Extension Parameters

Framing End Extension:

Plate Parameters

Bridging Parameters

Connect Bridging/Nogging to External End Connection Joist/Stud

Custom Join

Configuration

Predefined Layout Name: *Default Configuration*

Select Layout from Database Configuration:

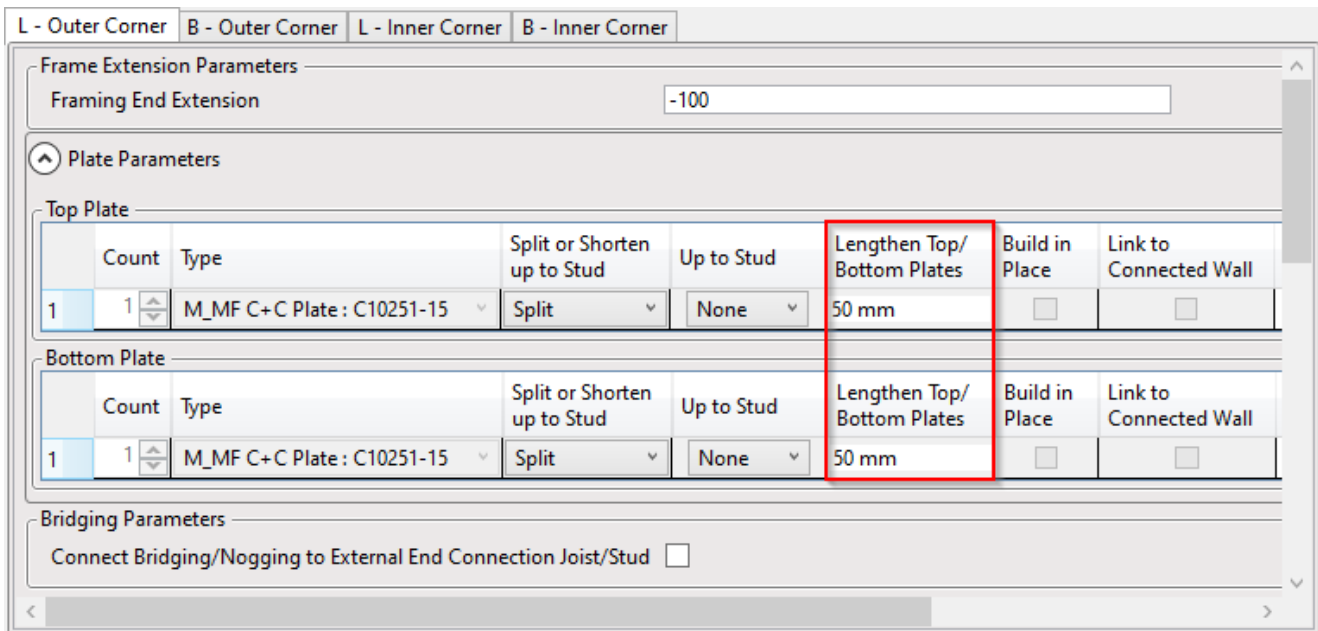
	X-Position	Count	Type	Define Depth...	Rotate 90°	Rotate 180°	Flip Facing	Spacing
1	Standard	1	M_MF C+C Stud : C10251-15	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0 mm
2	Standard	1	M_MF C+C Stud : C10251-15	<input checked="" type="checkbox"/>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

Symbolic Preview

Framing End Extension - makes frame offset from the wall connection.



Lengthen Top/Bottom Plates



Lengthen Top/Bottom Plates – makes top and bottom plate offset from the wall connection.



Split or Shorten up to Stud

L - Outer Corner | B - Outer Corner | L - Inner Corner | B - Inner Corner

Frame Extension Parameters
Framing End Extension: 0

Plate Parameters

Top Plate

Count	Type	Split or Shorten up to Stud	Up to Stud	Lengthen Top/Bottom Plates	Build in Place	Link to Connected Wall
1	M_MF C+C Plate : C10251-15	Split	None	0 mm	<input type="checkbox"/>	<input type="checkbox"/>

Bottom Plate

Count	Type	Split or Shorten up to Stud	Up to Stud	Lengthen Top/Bottom Plates	Build in Place	Link to Connected Wall
1	M_MF C+C Plate : C10251-15	Split	3	0 mm	<input type="checkbox"/>	<input type="checkbox"/>

Bridging Parameters
Connect Bridging/Nogging to External End Connection Joist/Stud

Split or Shorten up to Stud – splits or makes the top/bottom plates shorter.

Split at Stud – select the number of the stud where the top/bottom plates should be split or shortened.

E.g. Bottom plate is split at the third stud from the right.



Build in Place and Link to Connected Wall

L - Outer Corner | B - Outer Corner | L - Inner Corner | B - Inner Corner

Frame Extension Parameters
Framing End Extension: 0

Plate Parameters

Top Plate

Count	Type	Split or Shorten up to Stud	Up to Stud	Lengthen Top/Bottom Plates	Build in Place	Link to Connected Wall
1	M_MF C+C Plate : C10251-15	Split	None	0 mm	<input type="checkbox"/>	<input type="checkbox"/>

Bottom Plate

Count	Type	Split or Shorten up to Stud	Up to Stud	Lengthen Top/Bottom Plates	Build in Place	Link to Connected Wall
1	M_MF C+C Plate : C10251-15	Split	3	0 mm	<input type="checkbox"/>	<input type="checkbox"/>

Bridging Parameters
Connect Bridging/Nogging to External End Connection Joist/Stud:

Build in Place – writes Yes/No information into the plate instance parameter if plate is build-in-place or is prefabricated with the whole wall frame.

Link to Connected Wall – option if the plate is near a wall corner and such an element should be prefabricated and connected to the connecting wall.

A plate like this will have **Link to Connected Wall** or **Build in Place** parameter switched ON:

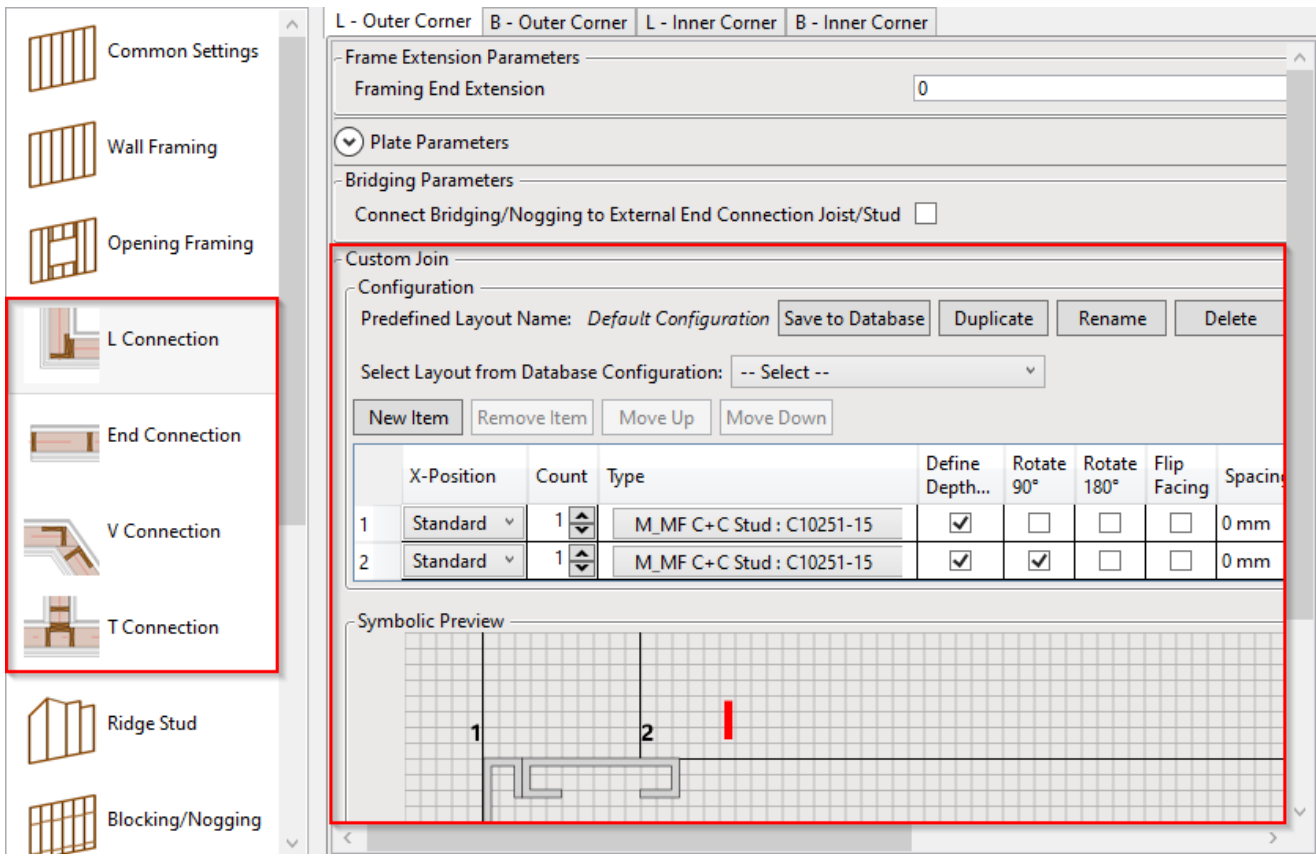
Properties

M_MF C+C Plate
C10251-15

Structural Framing (Other) (1) Edit Type

FM SortMark	
Framing Layer	Frame
Framing Member Mark	BP
FM HostMemberSortMark	
Framing Member Mass	
Framing Member Volume	0.000 m ³
Link to Connected Wall	<input checked="" type="checkbox"/>
Build in Place	<input checked="" type="checkbox"/>
CNC Part Number	
CNC Part Name	
FM Module Mark	
FM Wall Layer	Frame
FM Module Type	
FM Module Preassembled	<input checked="" type="checkbox"/>
CNC Part Position	
FM Wood Grade	

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>)

Default path to database with join configurations is:

C:\Users\user name\AppData\Roaming\Tools 4 Revit\Wall+M2020 (or other version) Configurations\CustomFramingJoins

Name	Date modified	Type	Size
F	2019-08-29 20:29	File folder	
Header	2019-09-01 11:15	File folder	
King	2019-09-01 11:15	File folder	
L	2019-08-29 20:29	File folder	
Ridge	2019-08-29 20:29	File folder	
Sill	2019-09-01 11:15	File folder	
T	2019-08-29 20:29	File folder	
TopSupportHeader	2019-09-01 11:15	File folder	
Trimmer	2019-09-01 11:15	File folder	

You can also modify the path to all configurations in **Configuration Files' Location**.

Samples of various joins

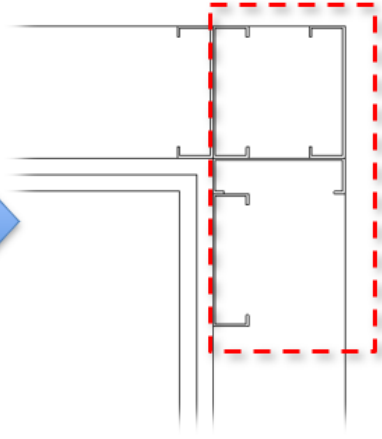
Custom Join
 Select from Database: Complex L Connection

Configuration
 Configuration Name: Complex L Connection Save to Database Duplicate Delete

New Item Remove Item Move Up Move Down

Position	Count	Type	Depth by Core	Rotate 90	Rotate 180	Spacing	Rotated Position	Align Type
1 Standard	1	L,MF Stud-Joist : 6005162-43	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	0"	External	None
2 Standard	1	L,MF Stud-Joist : 6005162-43	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0"	Internal	Previous Start
3 Standard	1	L,MF Stud-Joist : 6005162-43	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0"	Center	Previous End
4 Standard	1	L,MF Stud-Joist : 6005162-43	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	0"	Internal	Previous End

Symbolic Preview



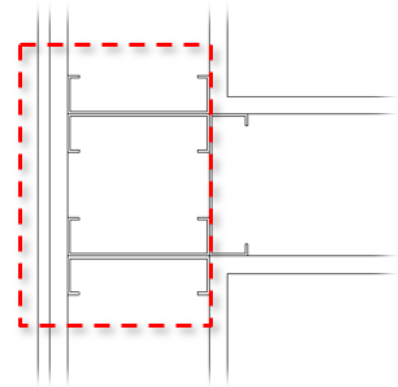
Custom Join
 Select from Database: Complex T Connection

Configuration
 Configuration Name: Complex T Connection Save to Database Duplicate Delete

New Item Remove Item Move Up Move Down

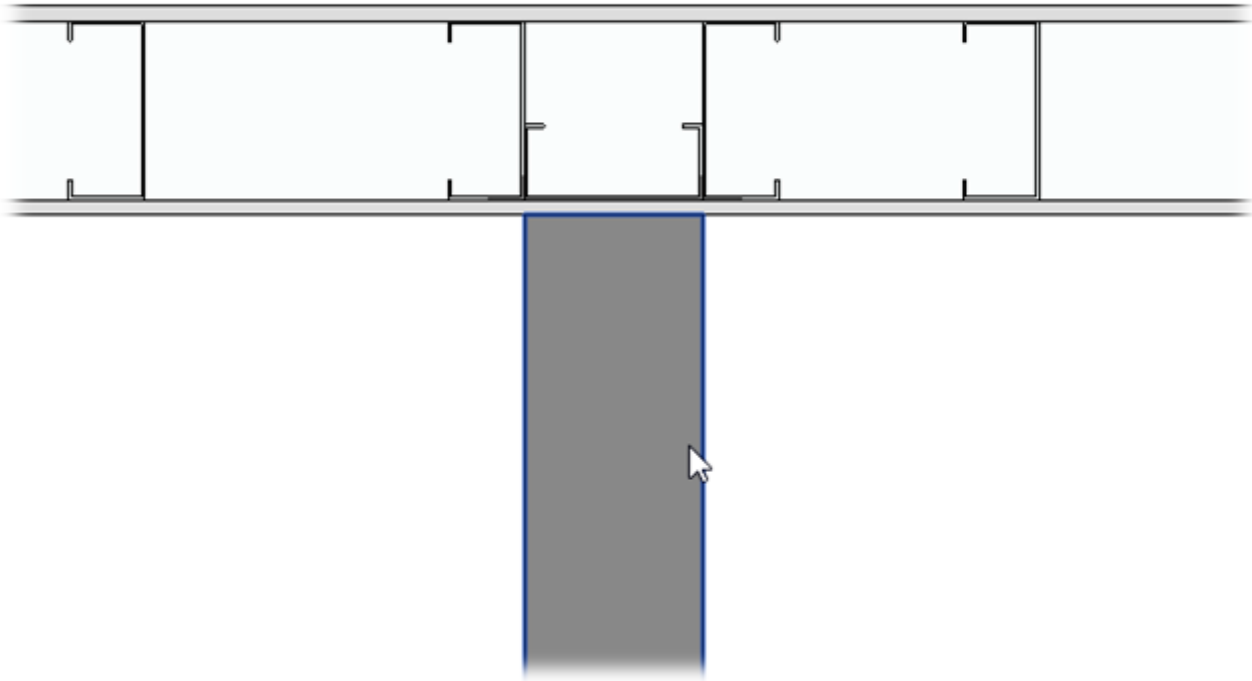
Position	Count	Type	Depth by Core	Rotate 90	Rotate 180	Spacing	Rotated Position	Align Type
1 Outer Side	1	L,MF Stud-Joist : 6005162-43	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0"	Center	None
2 Inner Side	1	L,MF Stud-Joist : 6005162-43	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0"	Center	None
3 Inner Side	1	L,MF Stud-Joist : 6005162-43	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>	0"	Center	None
4 Outer Side	1	L,MF Stud-Joist : 6005162-43	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0"	Center	None

Symbolic Preview

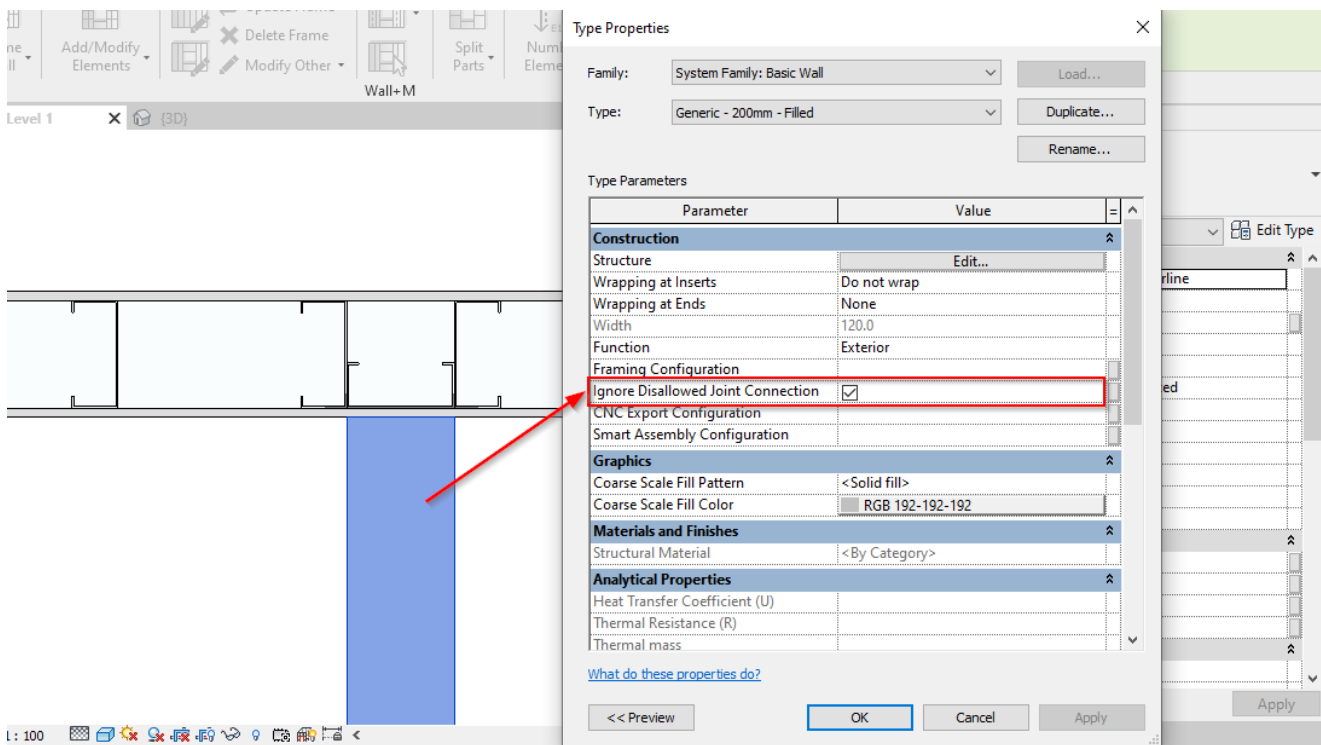


Disallow Join Walls

Let's say we have a situation when a wall is connected in the plan view, but it disallowed to join in Revit. By default, **Wall+M** will recognize this situation as T connection:



To solve this, select joiner wall and find instance or type parameter **Ignore Disallowed Joint Connection**, make it ON. If it has such parameter with value = ON, T join will not be created.



Go to **Wall+M** → **Update Frame** → no more T connection:

