

FRAMING CONFIGURATION – End Connection

Modified on: Sun, 10 Jan, 2021 at 6:00 PM

Framing End Extension

Left End
Right End

Frame Extension Parameters

Framing End Extension

▼ Rim Joist Parameters

Bridging Parameters

Connect Bridging/Nogging to External End Connection Joist/Stud

Custom Join

Configuration

Predefined Layout Name: *Default Configuration* Save to Database Duplicate Rename Delete

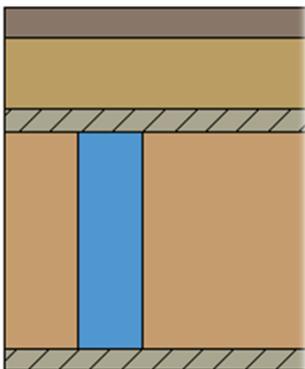
Select Layout from Database Configuration: -- Select --

New Item Remove Item Move Up Move Down

	X-Position	Count	Type	Define Depth...	Rotate 90°	Rotate 180°	Flip Facing	Spacing
1	Standard ▾	1	M_MF Stud-Joist : C20351-15	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0 mm

Framing End Extension – offsets frame from the roof end.

Example with wood: Framing End Extension = -50:



Example with metal: Framing End Extension = -100:



Lengthen Rim Joists

Left End Right End

Frame Extension Parameters
 Framing End Extension: -50

Rim Joist Parameters

Rim Joist 2					
Count	Type	Split or Shorten up to Joist	Up to Stud	Lengthen Rim Joists	Build in Place
1	M_WF Rim-Bridging Joist : LMBR 45x150	Split	None	50 mm	<input type="checkbox"/>
Rim Joist 1					
Count	Type	Split or Shorten up to Joist	Up to Stud	Lengthen Rim Joists	Build in Place
1	M_WF Rim-Bridging Joist : LMBR 45x150	Split	None	70 mm	<input type="checkbox"/>

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

Lengthen Rim Joists – offsets top and bottom rim joists from the roof end.



Split or Shorten up to Joist

Left End Right End

Frame Extension Parameters
Framing End Extension: -50

Rim Joist Parameters

Rim Joist 2

Count	Type	Split or Shorten up to Joist	Up to Stud	Lengthen Rim Joists	Build in Place
1	M_WF Rim-Bridging Joist : LMBR 45x150	Split	3	50 mm	<input type="checkbox"/>

Rim Joist 1

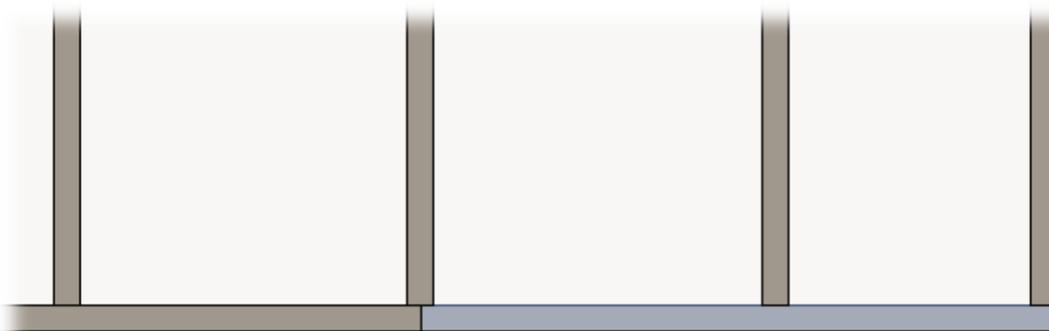
Count	Type	Split or Shorten up to Joist	Up to Stud	Lengthen Rim Joists	Build in Place
1	M_WF Rim-Bridging Joist : LMBR 45x150	Split	None	70 mm	<input type="checkbox"/>

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

Split or Shorten up to Joist – splits or makes the rim joists shorter.

Split at Joist – select number of the joist where the top/bottom rim joists should be split or shortened.

E.g. Bottom rim joist is split near the third joist:



Build in Place

Left End Right End

Frame Extension Parameters
Framing End Extension: -50

Rim Joist Parameters

Rim Joist 2

Count	Type	Split or Shorten up to Joist	Up to Stud	Lengthen Rim Joists	Build in Place
1	M_WF Rim-Bridging Joist : LMBR 45x150	Split	3	0 mm	<input checked="" type="checkbox"/>

Rim Joist 1

Count	Type	Split or Shorten up to Joist	Up to Stud	Lengthen Rim Joists	Build in Place
1	M_WF Rim-Bridging Joist : LMBR 45x150	Split	None	0 mm	<input type="checkbox"/>

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

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

Such rim joists will have the **Build in Place** parameter switched ON:

Example with wood:

Properties

M_WF Rim-Bridging Joist
LMBR 45x200

Structural Framing (Other) (1) Edit Type

Constraints

Reference Level	Level 1
Start Level Offset	-153.0
End Level Offset	-153.0
Cross-Section Rotation	0.00°

Geometric Position

Start Extension	0.0
End Extension	22.5
yz Justification	Uniform
y Justification	Origin
y Offset Value	0.0
z Justification	Origin
z Offset Value	0.0

Construction

#d	200.0
Build in Place	<input checked="" type="checkbox"/>
Insert_Left	<input type="checkbox"/>
Insert_Right	<input checked="" type="checkbox"/>
Row	1

Example with metal:

Properties

M_MF C+C Plate
C12051-15

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

Left End Right End

Frame Extension Parameters
Framing End Extension: -50

Rim Joist Parameters

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

Custom Join

Configuration
Predefined Layout Name: *Default Configuration* Save to Database Duplicate Rename Delete

Select Layout from Database Configuration: -- Select -- Update by Database

New Item Remove Item Move Up Move Down

	X-Position	Count	Type	Define Depth...	Rotate 90°	Flip Facing	Spacing	Position	Align Type
1	Standard	1	M_WF Joist : LMBR 45x150	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0 mm	Center	-- None

Symbolic Preview

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 configurations is:

*C:\Users\user name\AppData\Roaming\Tools 4 Revit\Roof+2021 (or other product and version)
Configurations\CustomFramingJoins\F\Metric or Imperial*

C:\Users\Renata\AppData\Roaming\Tools 4 Revit\Roof+2020 Configurations\CustomFramingJoins\F

Name	Date modified	Type	Size
Default Configuration	2019-07-29 14:04	XML Document	3 KB

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