Modified on: Sat, 16 Jan, 2021 at 8:13 PM

Add/Modify Details



Add/Modify Details – for placing details in the frame. It is recommended to use these functions at the end of the framing process.

Details Configuration



or:



Details Configuration – definition of all detail-placing parameters.

Roof+M. Details Config	guration		- 🗆 ×	
Configuration Name: M_	Roof Metal Panel with Suppo	ort Clips v Save Save	e As Rename Delete Automatically Update	
		Details Details II Details III Details IV De	etails V	
Details on Bridg	jing/Blocking/Rim Joist	Туре	M_MFE_Support Clip L150x50x120	
		Width (b)	5	
Bridging/Blocki	ing/Rim Joist Holes	Depth (h,d)	203	
		Define Depth (h,d) by Layer Thickness	✓	
Details on Joist		Insert Details		1
		If Studs are "Left" or "Right"		
	ule.	Flip Work Plane		
		Rotate 90°		
		Rotate 180°		
		Offset from Joist Side	Open Face v	
		Offset	0	
			Save Close	

Configuration Name – configuration with all framing settings. You can use sample configurations or create new ones. Also you can rename or delete existing configurations.

By default, **Roof+M** detail configurations are saved in *C*:*Users\user name\AppData\Roaming\Tools 4* Revit\Roof+M2020 Configurations (or other version)\Details Configurations\Metric or Imperial catalog. The content from this catalog can be copied to other users' computers if needed. Also the path can be changed in **Roof+M** \rightarrow **Settings** \rightarrow **Configuration Files' Location**.

C:\Users\Renata\AppData\Roaming\Tools 4 Revit\Roof+M2020 Configurations				
Name	Date modified	Туре		
CustomFramingJoins	2019-09-16 20:24	File folder		
Details Configurations	2019-09-14 17:23	File folder		
Framing Configurations	2019-07-31 20:14	File folder		
HipValley Configurations	2019-07-31 20:14	File folder		
Mark Configurations	2019-09-14 17:30	File folder		
Numbering Setup Configurations	2019-09-12 20:29	File folder		
	2019-07-31 20:14	File folder		
Sheathing Configurations	2019-07-31 20:14	File folder		
Shop Drawing Configurations	2019-09-16 18:41	File folder		
	2019-09-18 09:16	File folder		

Details on Bridging/Blocking/Rim Joist, Details on Joist and Bridging/Blocking/Rim Joist Holes

Details II Details II Details IV Details V		
Details on Bridging/Blocking/Rim Joist	Туре	M_MFE_Support Clip L150x50x120
F	Width (b)	5
Bridging/Blocking/Rim Joist Holes	Depth (h,d)	203
	Define Depth (h,d) by Layer Thickness	\checkmark
Details on Joist	Insert Details	\checkmark
	If Studs are "Left" or "Right"	
Additional Details	Flip Work Plane	
	Rotate 90°	
	Rotate 180°	
	Offset from Joist Side	Open Face Y
	Offset	0 ~

Details on Bridging/Blocking/Rim Joist, Details on Joist and **Bridging/Blocking/Rim Joist Holes** – different rules for placing details and holes.

You can very easily predefine different insertion rules for 4 detail families using the 4 tabs across the top of the dialog.

Type and Define Depth (h,d) by Layer Thickness

	Details Details II Details III Details IV Details V		
Details on Bridging/Blocking/Rim Joist	Туре	M_MFE_Support Clip	
	Width (b)	5	
Bridging/Blocking/Rim Joist Holes	Depth (h,d)	203	
	Define Depth (h,d) by Layer Thickness	\checkmark	
Details on Joist	Insert Details	V	
	If Studs are "Left" or "Right"		
Additional Details	Flip Work Plane		
	Rotate 90°		
	Rotate 180°		
	Offset from Joist Side	Open Face Y	
	Offset	0 ~	

Type – select a family and type of the detail.

Sample detail and hole families (Metric or Imperial), which come with Roof+M:

Structural Connections
M_MF_Web Stiffener
M_MFE_Support Clip
M_MFRE_Support Clip
M_MFS_Support Clip
M_SC_Service Hole
M_SC_Support Stud

Width (b) - shows the width, b parameter value from selected family type.

Depth (h, d) – shows the depth, h or d parameter value from selected family type.

Define Depth (h, d) by Layer Thickness – the software will create new type for selected family and change depth value to the roof layer thickness. So the details or holes will fit the layer in the roof.

Insert Details

	Details Details II Details III Details IV Details IV	etails V
Details on Bridging/Blocking/Rim Joist	Туре	M_MFE_Support Clip
	Width (b)	5
Bridging/Blocking/Rim Joist Holes	Depth (h,d)	203
	Define Depth (h,d) by Layer Thickness	\checkmark
Details on Joist	Insert Details	
	If Studs are "Left" or "Right"	
Additional Details	Flip Work Plane	
	Rotate 90°	
	Rotate 180°	
	Offset from Joist Side	Open Face Y
	Offset	0 ~

Insert Details – the details or holes with rules that are listed below will be (not) applied in the frame. You can predefine the rules for the details, but it will not necessarily have to be added during the current insertion process.

Rotate 90°, 180°

ADD/MODIFY DETAILS – Details Configuration : AGACAD

	Details Details II Details III Details IV D	etails V
Details on Bridging/Blocking/Rim Joist	Туре	M_MFE_Support Clip
	Width (b)	5
Bridging/Blocking/Rim Joist Holes	Depth (h,d)	203
	Define Depth (h,d) by Layer Thickness	✓
Details on Joist	Insert Details	\checkmark
	If Studs are "Left" or "Right"	
Additional Details	Flip Work Plane	
Additional Details	Rotate 90°	
	Rotate 180°	
	Offset from Joist Side	Open Face Y
	Offset	0 ~

Rotate 90°, 180° – if ON, then rotates detail by 90 or 180 degrees. Rotation depends on how the family is created.

Offset from Joist Side

	Details Details II Details III Details IV De	tails V
Details on Bridging/Blocking/Rim Joist	Туре	M_MFE_Support Clip
	Width (b)	5
Bridging/Blocking/Rim Joist Holes	Depth (h,d)	203
	Define Depth (h,d) by Layer Thickness	\checkmark
Details on Joist	Insert Details	\checkmark
	If Studs are "Left" or "Right"	
Additional Details	Flip Work Plane	
	Rotate 90°	
	Rotate 180°	
	Offset from Joist Side	Open Face Y
	Offset	0 ~

Offset from Joist Side - detail insertion placement: Left, Right, Left and Right, or Center between Two.

Detail on Joists' Open Face



Detail on Joists' Solid Face



	Details II Details III Details IV Details V		
Details on Bridging/Blocking/Rim Joist	Туре	M_MFE_Support Clip	
	Width (b)	5	
Bridging/Blocking/Rim Joist Holes	Depth (h,d)	203	
	Define Depth (h,d) by Layer Thickness	\checkmark	
Details on Joist	Insert Details	\checkmark	
	If Studs are "Left" or "Right"		
Additional Details	Flip Work Plane		
	Rotate 90°		
	Rotate 180°		
	Offset from Joist Side	Open Face v	
	Offset	0 ~	

Offset – distance between detail and a joist.

Measure from Location Line/Web Faces

	Details Details II Details III Details IV	Details V
Details on Bridging/Blocking/Rim Joist	Measure from Location Line	□ ^
	Measure from Web Faces	
Bridging/Blocking/Rim Joist Holes	Rim Joists 2	None Y
	Rim Joists 1	None v
Detaile an laist	Include Sloped Rim Joists	
	Only on Sloped Rim Joists	
	Bridging/Nogging/Blocking	on Open Face of Joist v
Additional Details	Additional Bridging//Blocking	on Open Face of Joist v
	Header 2	on Open Face of Joist 🗸 🗸
	Header 1	on Open Face of Joist 🔹 🗸

Measure from Location Line – if ON, then the distance for detail placement will be calculated from the Bridging/Nogging/Blocking/Joist location line.

Measure from Web Faces – if ON, then the distance for detail placement will be calculated from the Bridging/Nogging/Blocking/Joist web faces.

Location

	ils V		
Details on Bridging/Blocking/Rim Joist	Location on Rim Joists 2	None v	$ ^{\prime}$
	Location on Top Cover Plates	None v	
Bridging/Blocking/Rim Joist Holes	Location on Rim Joists 1	None v	
	Location on Bottom Pad Plates	None v	
Datails an laist	Include Sloped Rim Joists		
	Only on Sloped Rim Joists		
	Location on Bridging/Nogging/Blocking	None v]
Additional Details	Location on Additional Bridging//Blocking	None v	
	Location on Header 2	Open Face v	
	Location on Header 1	Open Face v] 、

Location settings – predefine detail position on top/bottom rim joists/cover plates, bridgings/noggings, headers, etc.

Possible options:		
Front Face	~	
Front Face		
Front Face Top Edge		
Front Face Bottom Edge		
Top Face		
Bottom Face		
None		
Rear Face		
Rear Face Top Edge		
Rear Face Bottom Edge		



Include Openings

	Details Details II Details III Details IV	
Details on Bridging/Blocking/Rim Joist	Measure from Joist Web Faces	□ [^]
Bridging/Blocking/Rim loist Holes	Location on Rim Joists 2	Front Face Bottom Edge v
	Location on Top Cover Plates	None v
	Location on Rim Joists 1	Rear Face Bottom Edge 🗸 🗸
Details on Joist	Location on Bottom Pad Plates	None v
	Include Sloped Rim Joists	
Additional Details	Only on Sloped Rim Joists	
	Location on Bridging/Nogging/Blocking	None v
	Location on Additional Bridging//Blocking	None v
	Location on Header 2	Rear Face Bottom Edge v
	Location on Header 1	Front Face Bottom Edge v
	Include Openings	
	Min. Distance between Joists	50 ~

Include Openings - if ON, then the details will be inserted on elements above and below the openings.



Min Distance between Joists

	Holes II Holes III Holes IV		
Details on Bridging/Blocking/Rim Joist	Location on Bottom Pad Plates	None v	
Bridging/Blocking/Rim Joist Holes	Include Sloped Rim Joists		
	Only on Sloped Rim Joists		
Details on Joist	Location on Bridging/Nogging/Blocking	Front Face v	
	Location on Additional Bridging//Blocking	Front Face v	
Additional Details	Location on Header 2	None v	
	Location on Header 1	None v	
	Include Openings	\checkmark	
	Min. Distance between Joists	300	
	Add Details if Element is Crossing Joist		
	Add Details if Joist is Crossing Element	\checkmark	
	Add Details for L Connections	\checkmark	
	Add Details if Studs are Nested	□ ·	

Min. Distance between Joists – define the minimum distance between joists where details will be inserted.

Add Details if Element is Crossing Joist

P	Details Details II Details III Details IV		
Details on Bridging/Blocking/Rim Joist	Location on Additional Bridging//Blocking	Front Face v	
	Location on Header 2	None v	
Bridging/Blocking/Kim Joist Holes	Location on Header 1	None v	
Details on Joist	Include Openings	\checkmark	
	Min. Distance between Joists	50	
	Add Details if Element is Crossing Joist		
Additional Details	Add Details if Joist is Crossing Element		
	Add Details for L Connections		
	Add Details if Studs are Nested	□ ·	

Add Details if Element is Crossing Joist - adds details in places where rim joist/bridging/nogging is crossing joist.

Add Details if Joist is Crossing Element

	Details Details II Details III Details IV	
Details on Bridging/Blocking/Rim Joist	Location on Additional Bridging//Blocking	Front Face Y
Bridging/Blocking/Rim Joist Holes	Location on Header 2	None v
	Location on Header 1	None v
Details on Joist	Include Openings	\checkmark
	Min. Distance between Joists	50
	Add Details if Element is Crossing Joist	
Additional Details	Add Details if Joist is Crossing Element	
	Add Details for L Connections	
	Add Details if Studs are Nested	□

Add Details if Joist is Crossing Element - adds details in places where joist is crossing rim joist/bridging/nogging.



Add Details for L Connections

	Details II Details III Details IV	
	Location on Additional Bridging//Blocking	Front Face ×
Pridaina (Plashina (Pira Jaint Halas	Location on Header 2	None v
	Location on Header 1	None v
Details on Joist	Include Openings	✓
	Min. Distance between Joists	50
Additional Details	Add Details if Element is Crossing Joist	
	Add Details if Joist is Crossing Element	✓
	Add Details for L Connections	
	Add Details if Studs are Nested	□ ×

Add Details for L Connections – adds details near L roof connections.



Additional Details

Additional Details - features for adding additional details by predefined rules.

Example: Anchors are added into end connection joists with predefined spacing:

