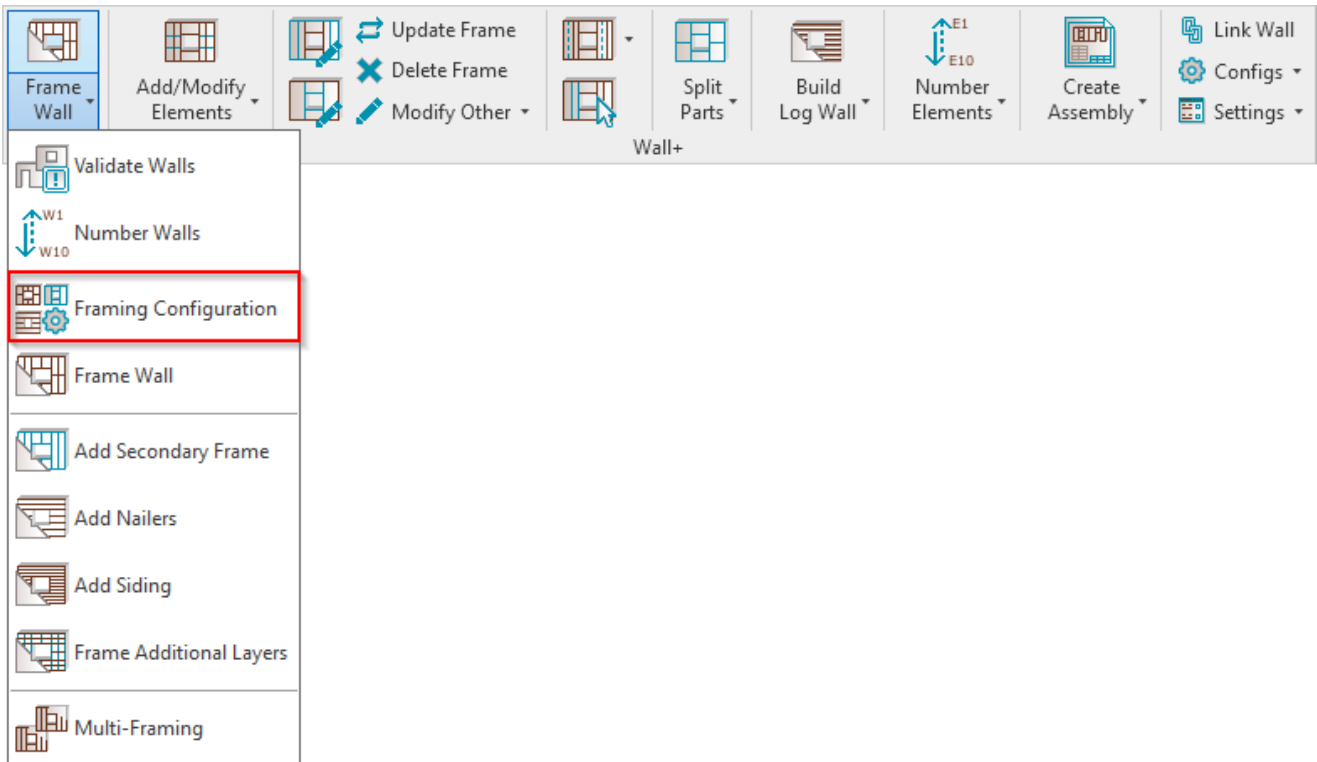
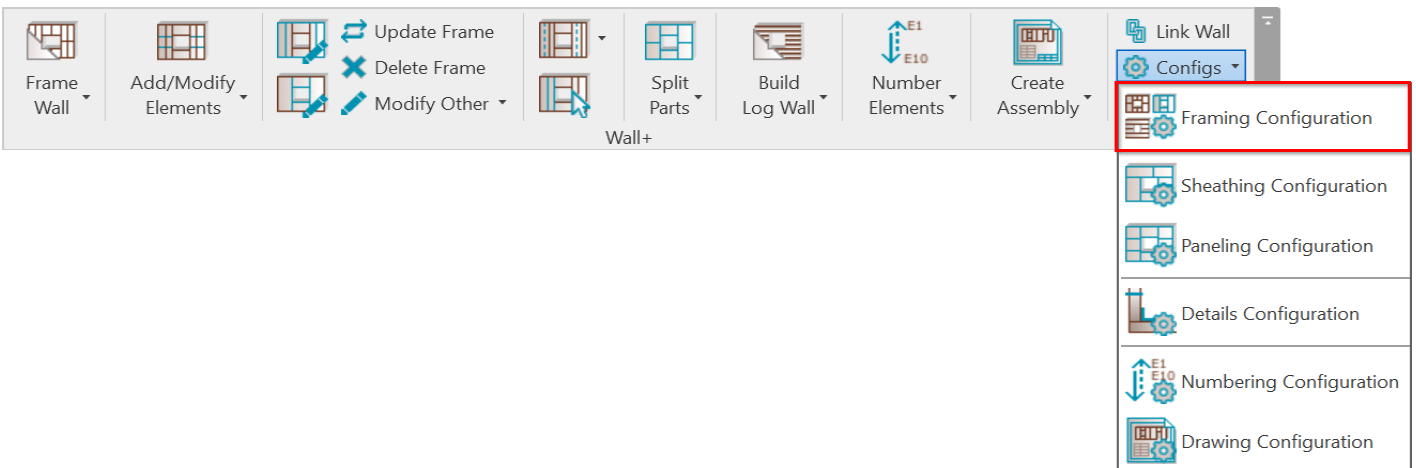


FRAMING CONFIGURATION – Opening Framing – Edit

Modified on: Wed, 25 Nov, 2020 at 8:01 PM



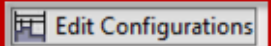
OR:



Edit Opening Framing Configuration

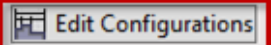
In order to edit, create new, rename, or delete opening framing configuration, you have to click **Edit Configuration** for the structural or non-structural walls:

Window Framing Door Framing Opening Framing Window - Window Join Framing Window - Door Join Framing

 Edit Configurations

Non-structural Walls. Width of Openings:

From	To	Configuration	Preassembled	Opening Element Preassembled
0	1500	M_Window Non-bearing Framing	<input type="checkbox"/>	<input type="checkbox"/>
1500	10000	M_Window Non-bearing Framing 1501	<input type="checkbox"/>	<input type="checkbox"/>

 Edit Configurations

Structural Walls. Width of Openings:

From	To	Configuration	Preassembled	Opening Element Preassembled
0	1000	M_Window Bearing Framing	<input type="checkbox"/>	<input type="checkbox"/>
1000	1500	M_Window Bearing Framing 1001	<input type="checkbox"/>	<input type="checkbox"/>
1500	10000	M_Window Bearing Framing 1501	<input type="checkbox"/>	<input type="checkbox"/>

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

It saves all the settings of kings, headers, top supports, sills, trimmers, other studs that are listed down below in the dialog:

Wall+. Window Framing. Non-structural Walls

Configuration Name: M_Window Non-bearing Framing 1501 Save Save As... Rename Delete

King Stud Custom Header Custom Top Support Custom Sill Trimmer Top Cripple Trimmer Bottom Cripple Trimmer Cripples Offsets

King Left & Right

Kings are symmetrical

Custom Join

Configuration

Predefined Layout Name: Default Configuration Save to Database Duplicate Delete

King Stud

King Stud Custom Header Custom Top Support Custom Sill Trimmer Top Cripple Trimmer Bottom Cripple Trimmer Cripples Offsets

King Left & Right

Kings are symmetrical

Custom Join

Configuration

Predefined Layout Name: Default Configuration Save to Database Duplicate Delete

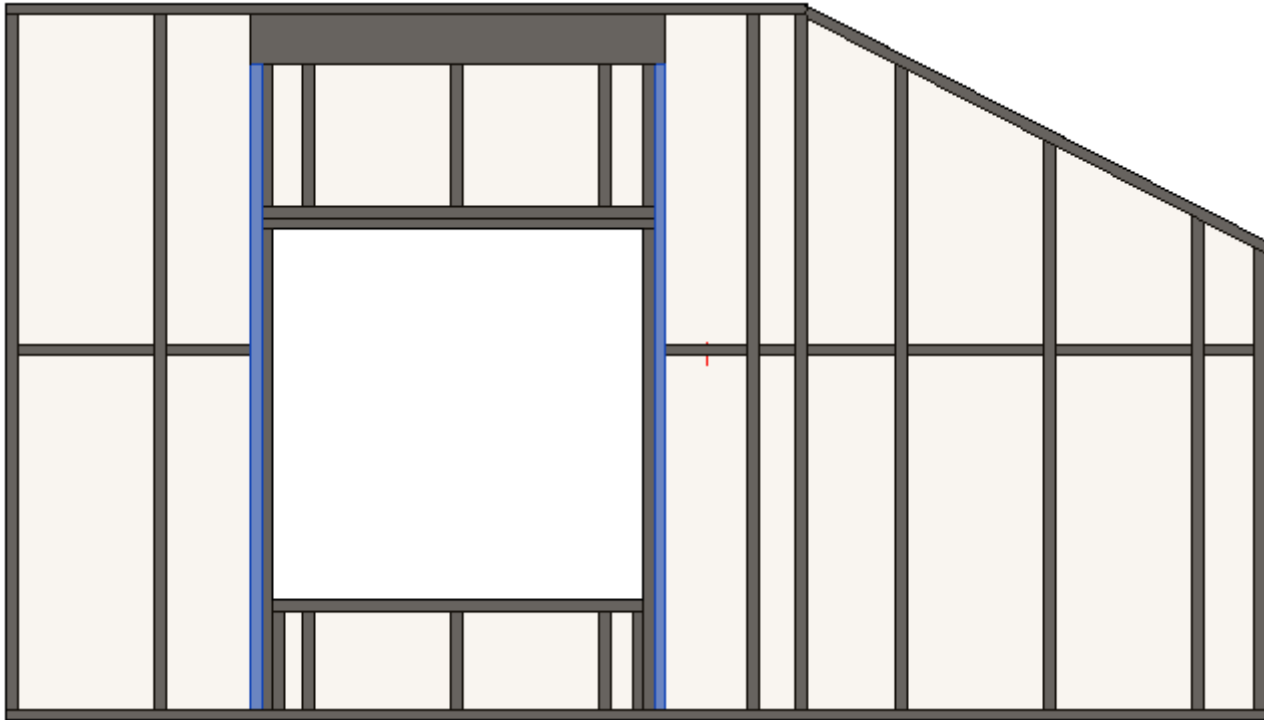
Select Layout from Database Configuration: -- Select -- Link with Configuration

New Item Remove Item Move Up Move Down

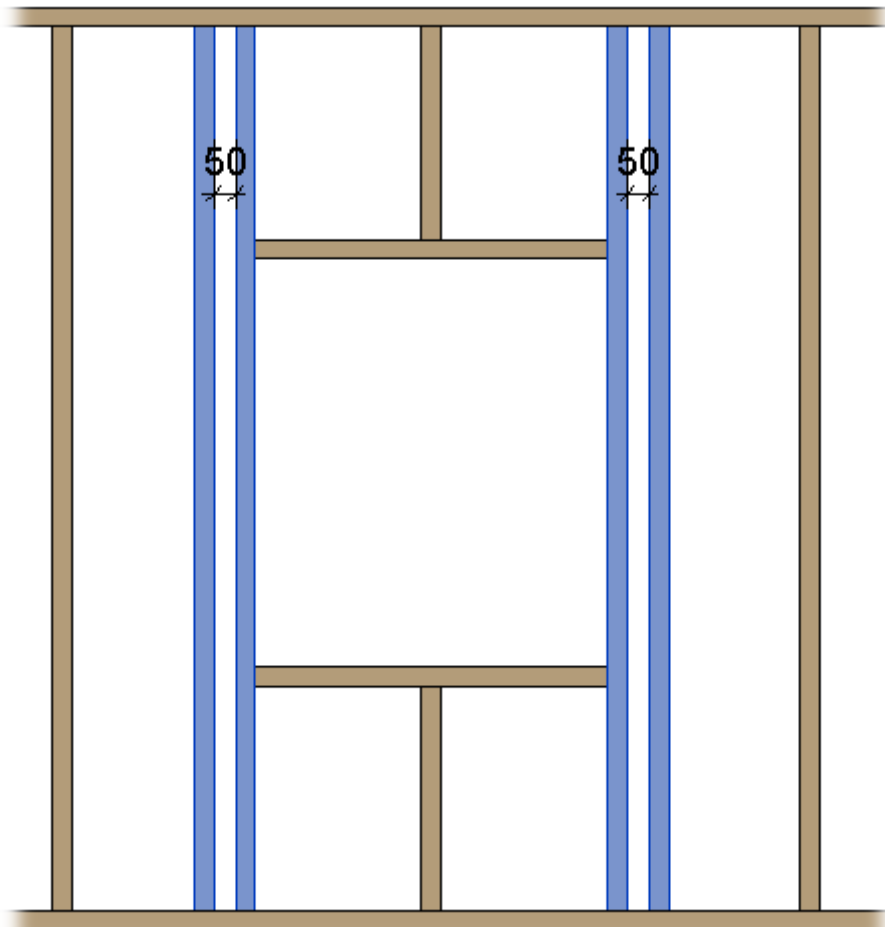
	X-Position	Count	Type	Define Depth...	Rotate 90°	Flip Facing	Spacing	Position	Align Ty
1	Standard	1	M_WF Stud : LMBR 45x120	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0 mm	Center	-- None

King Stud – in this tab you will find all settings for creating king studs needed for the opening.

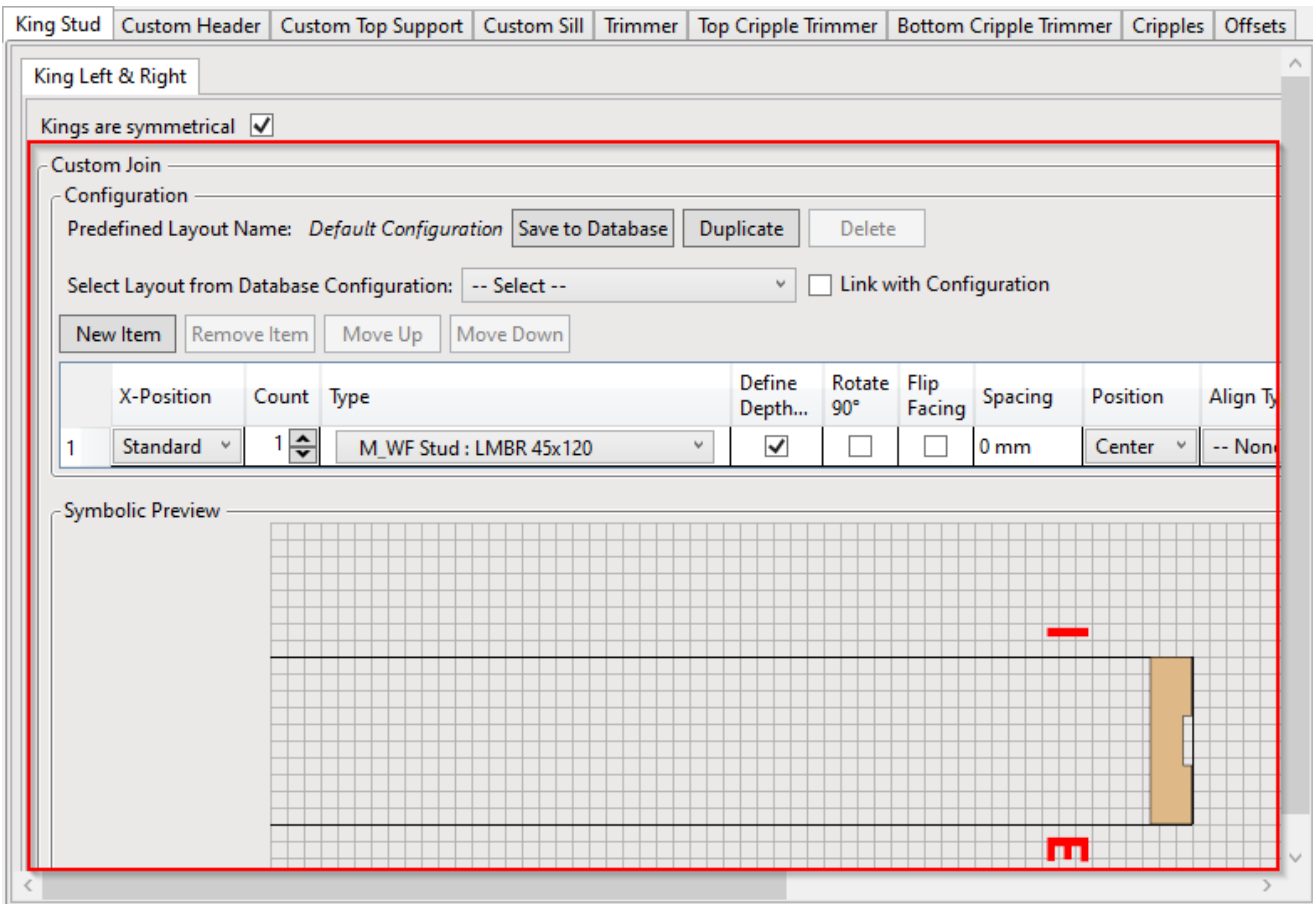
Kings are symmetrical – switch this *OFF* if kings should be different in the left and right sides.



Example, two king studs are created with predefined distance:



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>)

Custom Header, Custom Sill

Top Cripple Trimmer Bottom Cripple Trimmer Cripples Offsets

King Stud **Custom Header** Custom Top Support **Custom Sill** Trimmer

Custom Join

Configuration

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

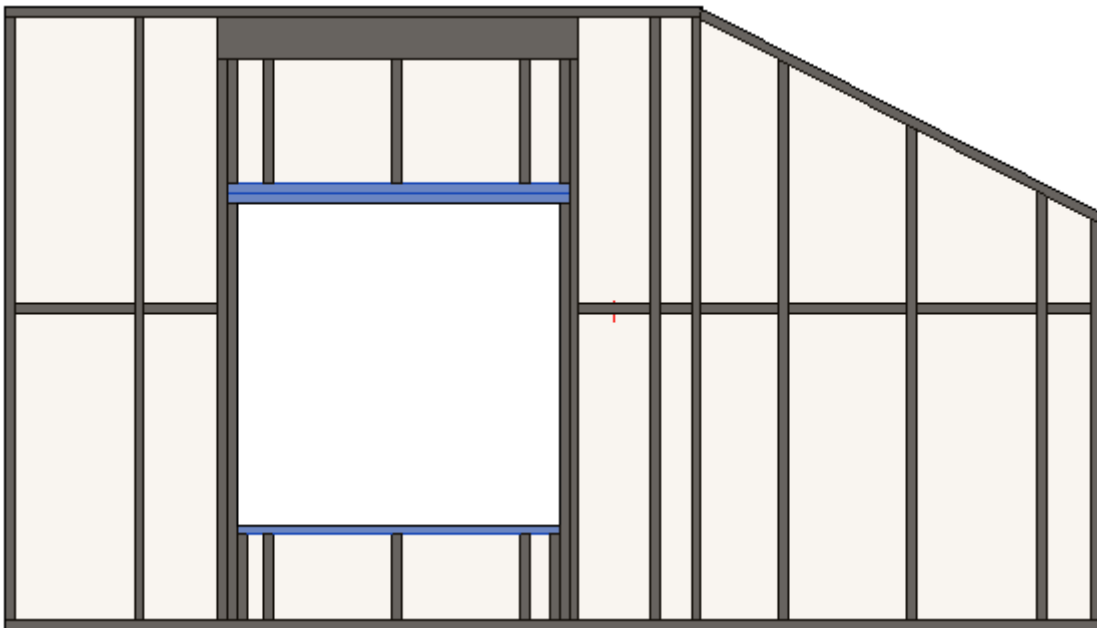
Select Layout from Database Configuration: -- Select -- Link with Configuration

New Item Remove Item Move Up Move Down

	X-Position	Count	Type	Define Depth...	Rotate 90°	Rotate 180°	Flip Facing
1	Standard	1	M_WF Plate : LMBR 45x120	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2	Standard	1	M_WF Plate : LMBR 45x120	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Symbolic Preview

Example:



Custom Top Support

Top Cripple Trimmer	Bottom Cripple Trimmer	Cripples	Offsets
King Stud	Custom Header	Custom Top Support	Custom Sill
			Trimmer

Custom Join

Configuration

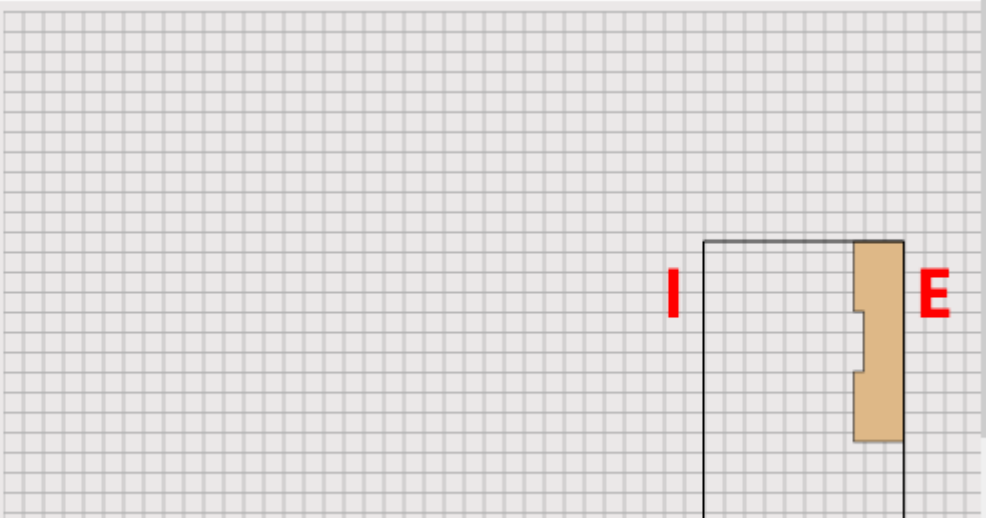
Predefined Layout Name: *Default Configuration* Save to Database Duplicate Delete

Select Layout from Database Configuration: -- Select -- Link with Configuration

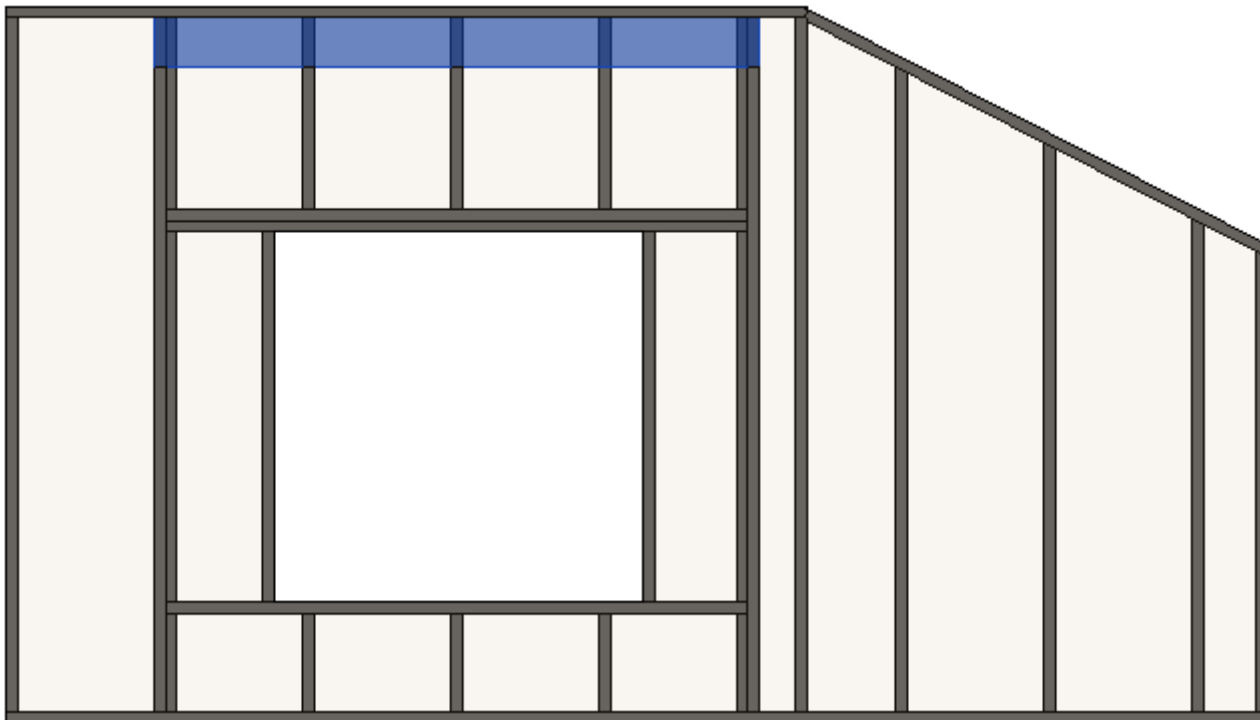
New Item Remove Item Move Up Move Down

#	X-Position	Count	Type	Define Depth...	Rotate 90°	Rotate 180°	Flip Facing
1	Standard	1	M_WF Plate : LMBR 45x120	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

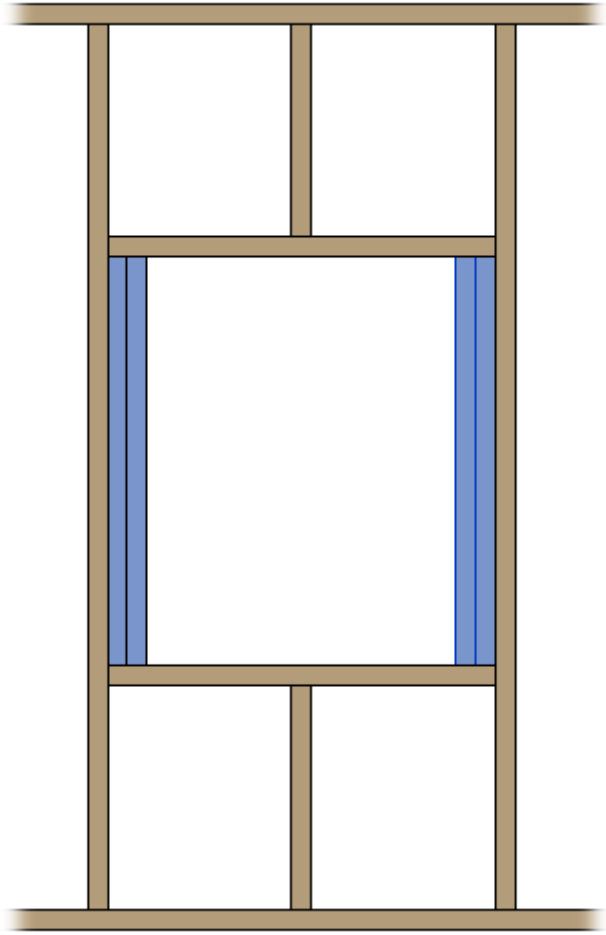
Symbolic Preview



Custom Top Support – place where user can control opening top support.



Trimmers



Trimmer Type – defines how the trimmer is positioned relative to opening Sill, Header, Top Plate, Bottom Plate, Top Plate Support, Split Sill, or a Split Header.

Top Cripple Trimmer | Bottom Cripple Trimmer | Cripples | Offsets

King Stud | Custom Header | Custom Top Support | Custom Sill | **Trimmer**

Trimmer Left & Right

Trimmers are symmetrical

Extend Sill&Header

Extend Header

Insert Support Stud/Joist if extended

Extend Trimmer if it connects to Top Support and Trimming Joist is missing

Custom Join

Configuration

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

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

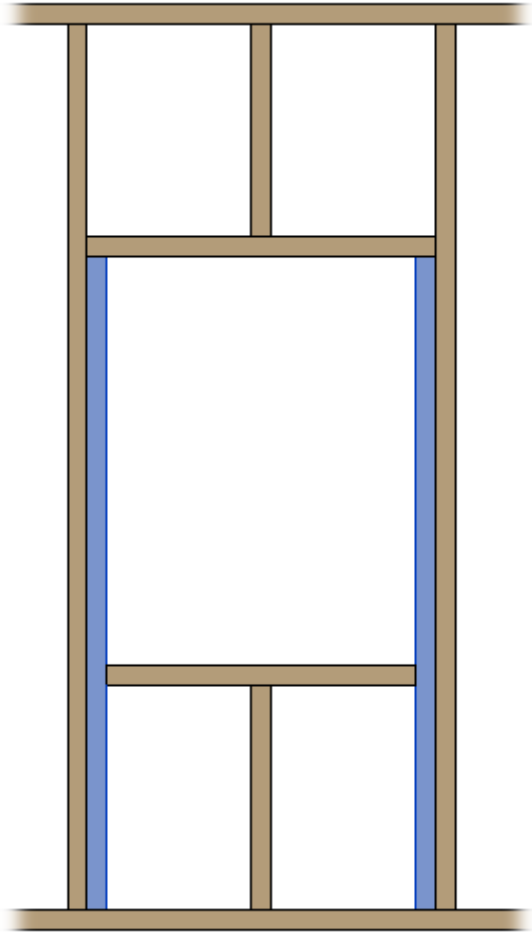
New Item Remove Item Move Up Move Down

	X-Position	Count	Trimmer Type	Type	Define Depth...	Rotate 90°
1	Standard	1	Bottom Plate	M_WF Stud : LMBR 45x120	<input checked="" type="checkbox"/>	<input type="checkbox"/>

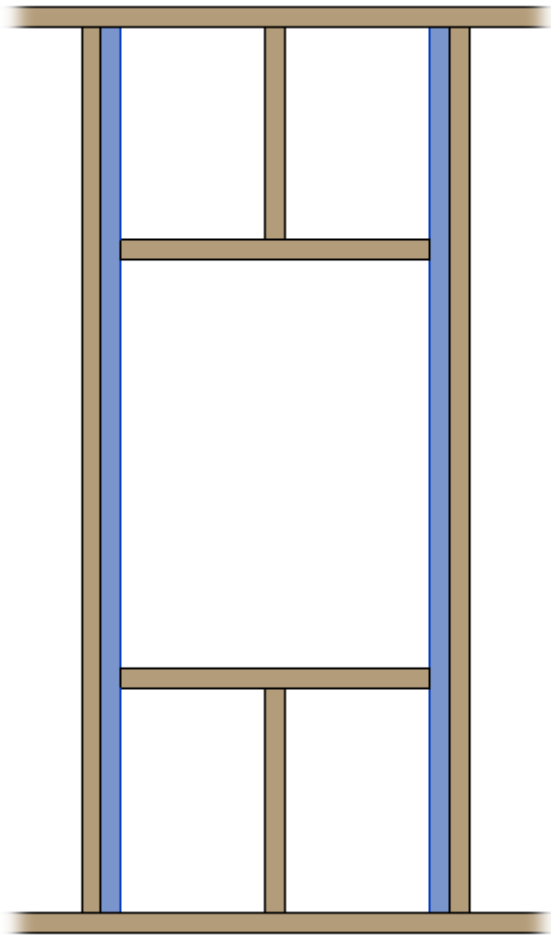
- Bottom Plate to Header
- Bottom Plate to Top Plate
- Bottom Plate to Top Plate Support
- Header to Top Plate
- Sill to Header
- Sill to Top Plate

Symbolic Preview

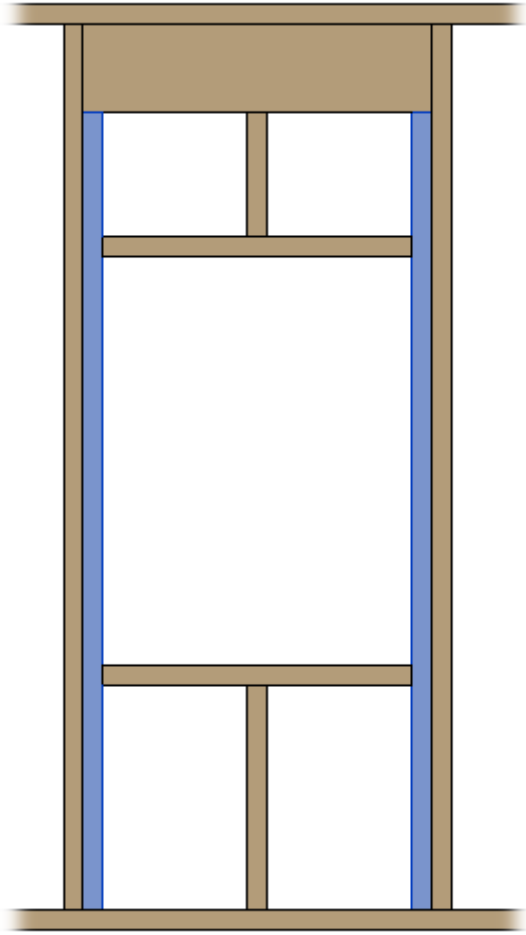
Example: Trimmer goes from **Bottom Plate** to **Header**:



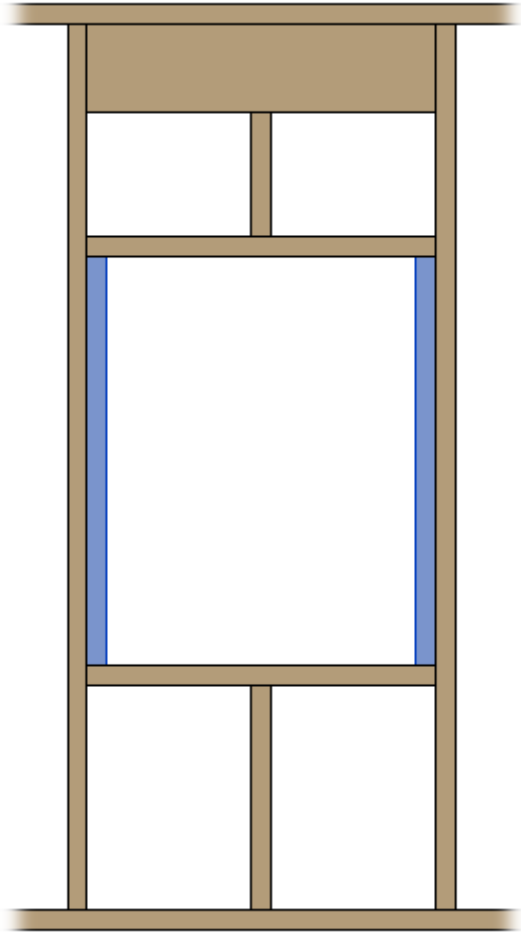
*Example: Trimmer goes from **Bottom Plate** to **Top Plate**:*



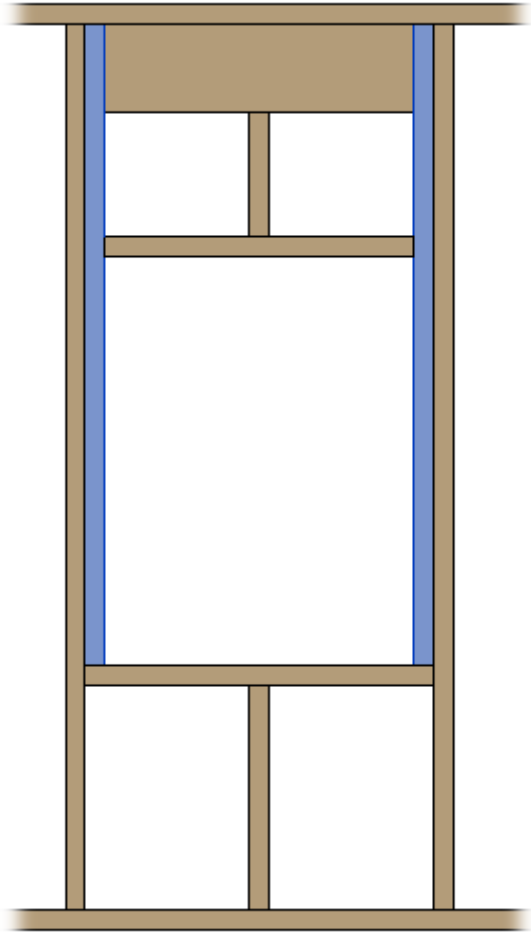
*Example: Trimmer goes from **Bottom Plate** to **Top Plate Support**:*



*Example: Trimmer goes from **Sill** to **Header**:*



Example: Trimmer goes from Sill to Top Plate:



Example: How to make a double trimmer:



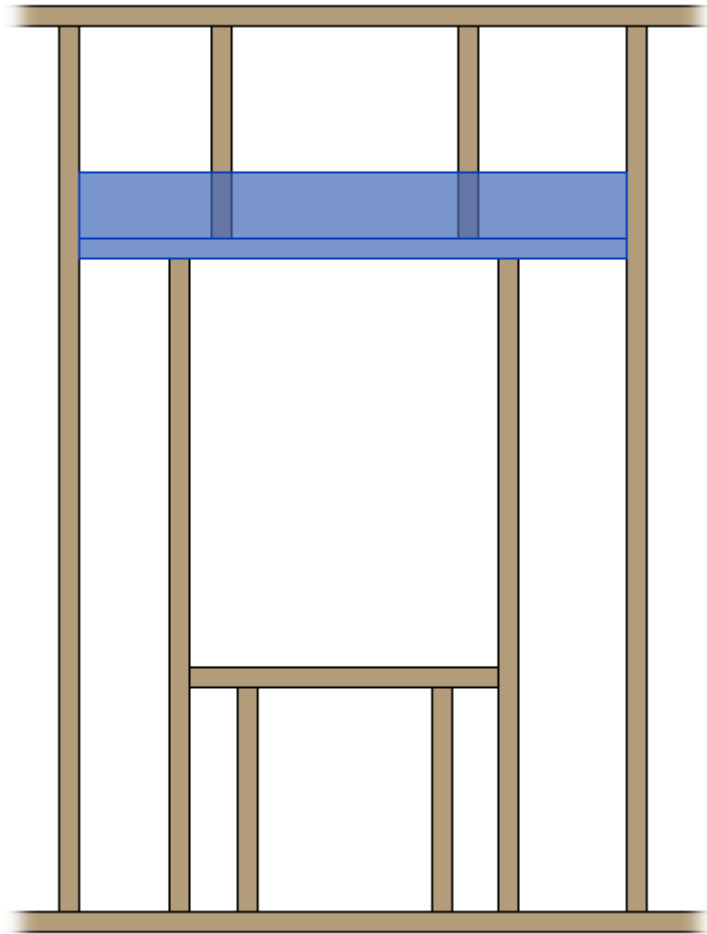
	X-Position	Count	Trimmer Type	Type	Depth by Core	Rotate 90	Rotate 180	Spacing	Position	Align Type
1	Standard	1	Sill to Header	M_WF Stud : LMBR 45x60	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0 mm	External	None
2	Standard	1	Sill to Header	M_WF Stud : LMBR 45x60	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0 mm	Internal	Previous Start



Extend Header – extends the Header if **Bottom Plate to Header**, **Sill to Header** is selected near **Trimmer Type**.

King Stud	Custom Header	Custom Top Support	Custom Sill	Trimmer	Top Cripple Trimmer	Bottom Cripple Trimmer	Cripples	Offsets
Trimmer Left & Right								
Trimmers are symmetrical				<input checked="" type="checkbox"/>				
Extend Sill&Header				<input type="checkbox"/>				
Extend Header				<input type="checkbox"/>				
Insert Support Stud/Joist if extended				<input type="checkbox"/>				
Extend Trimmer if it connects to Top Support and Trimming Joist is missing				<input checked="" type="checkbox"/>				

Result:



Extend Sill&Header – extends Sill and Header if **Bottom Plate to Sill, Header to Top Plate, Sill to Header** is selected near **Trimmer Type**.

Top Cripple Trimmer Bottom Cripple Trimmer Cripples Offsets

King Stud Custom Header Custom Top Support Custom Sill **Trimmer**

Trimmer Left Trimmer Right

Trimmers are symmetrical

Extend Sill&Header

Extend Header

Insert Support Stud/Joist if extended

Extend Trimmer if it connects to Top Support and Trimming Joist is missing

Custom Join

Configuration

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

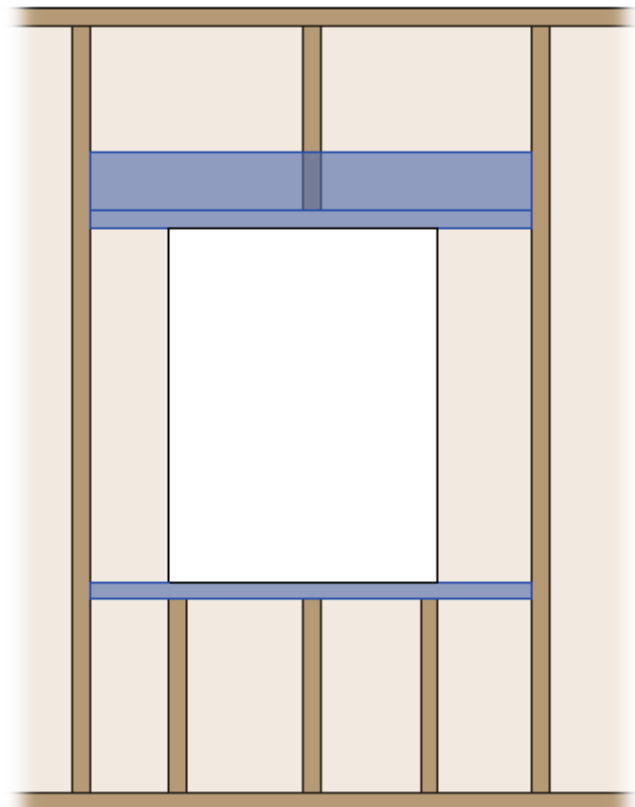
Select Layout from Database Configuration: -- Select -- Link with Configuratio

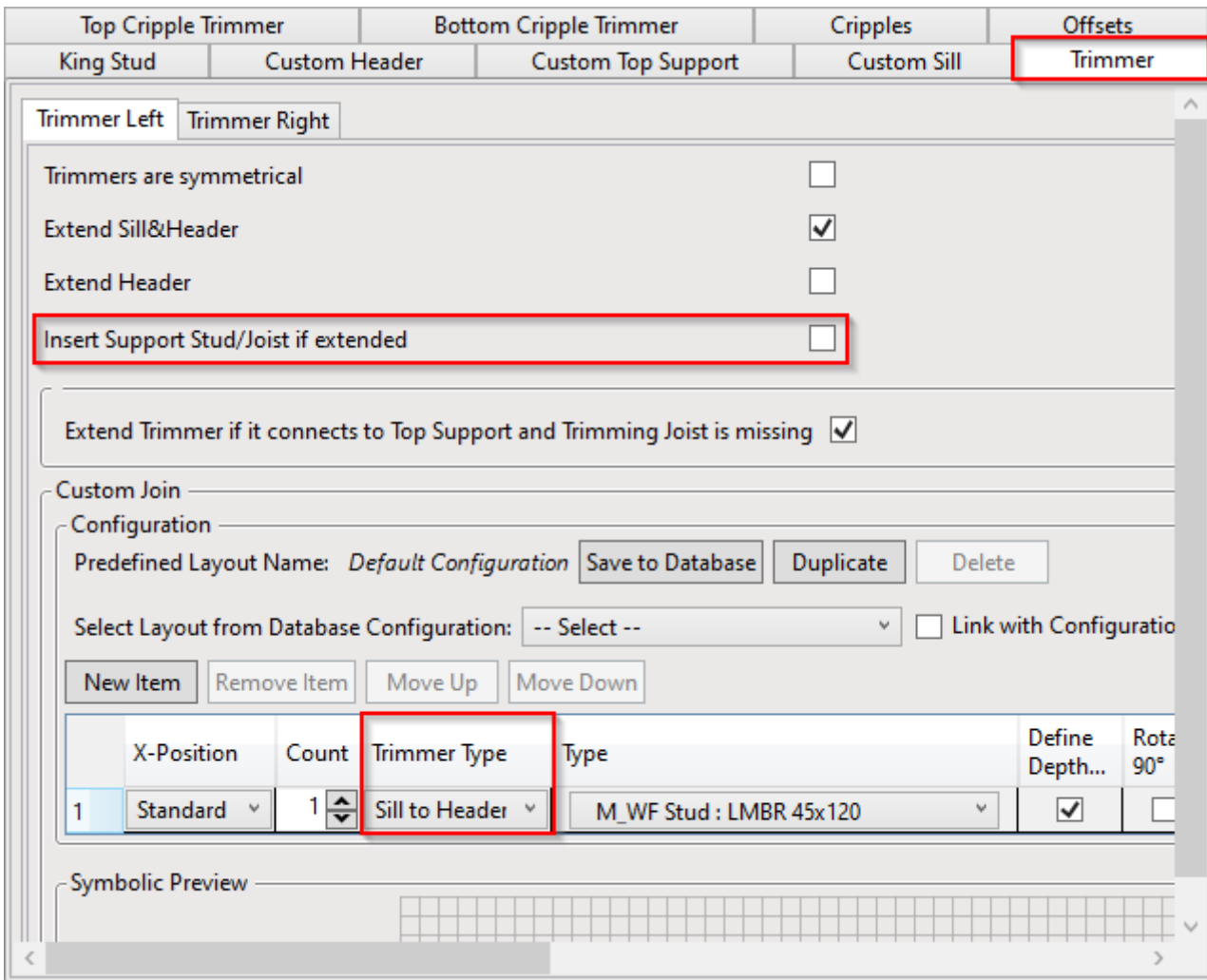
New Item Remove Item Move Up Move Down

	X-Position	Count	Trimmer Type	Type	Define Depth...	Rotate 90°
1	Standard	1	Sill to Header	M_WF Stud : LMBR 45x120	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Symbolic Preview

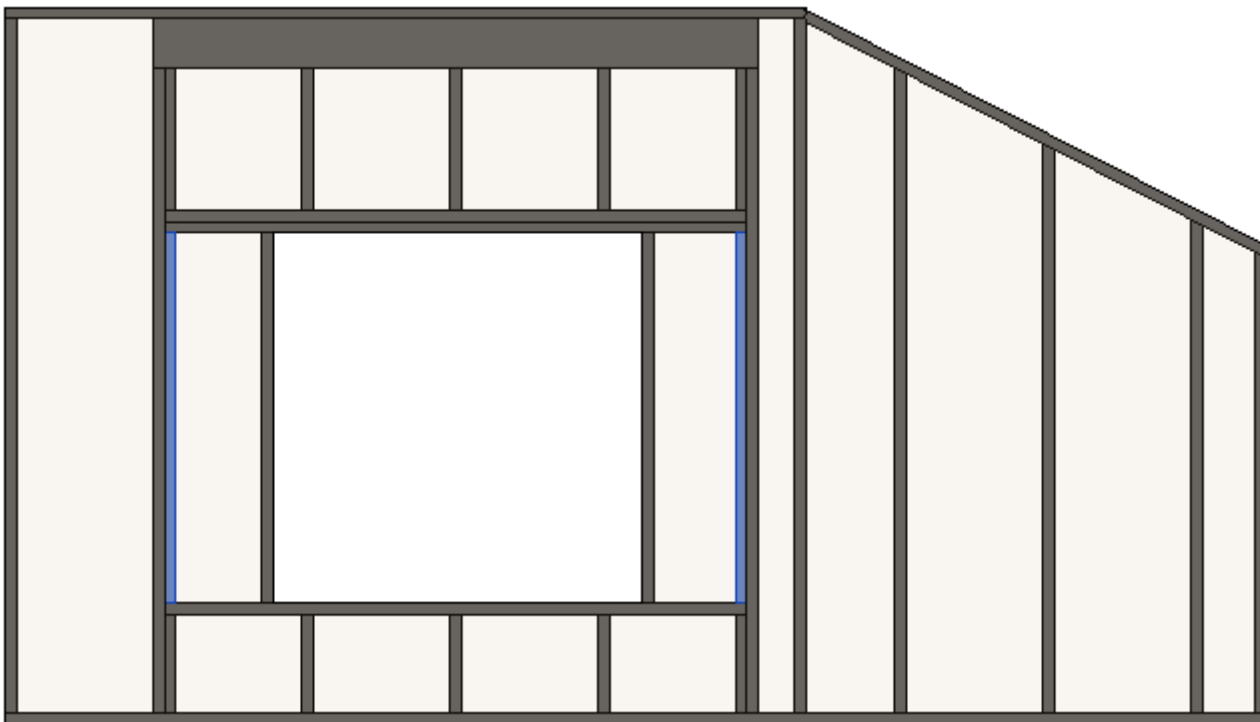
Result:

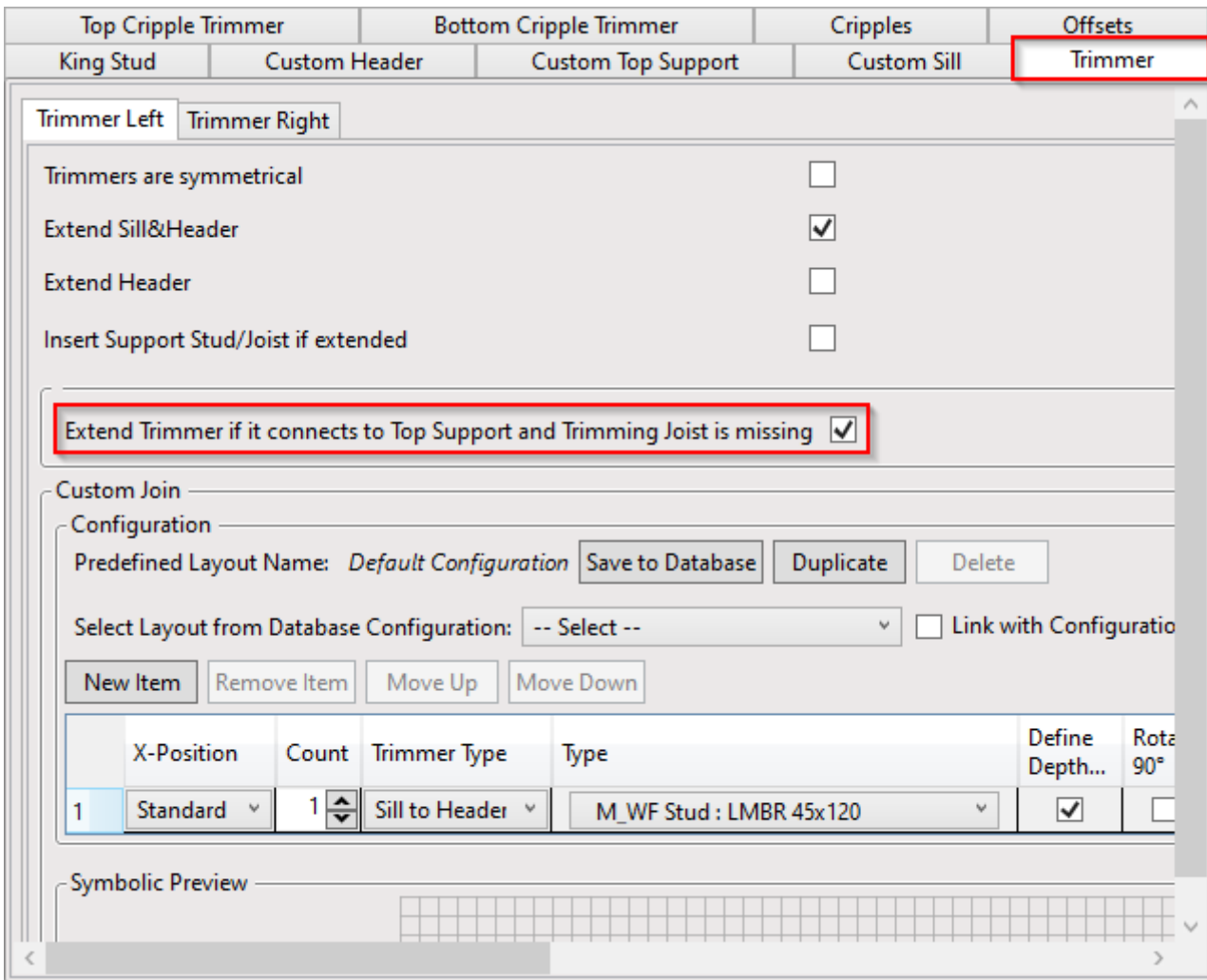




Insert Support Stud/Joist if extended – inserts support stud/joist to the opening if **Extend Sill&Header** is switched on.

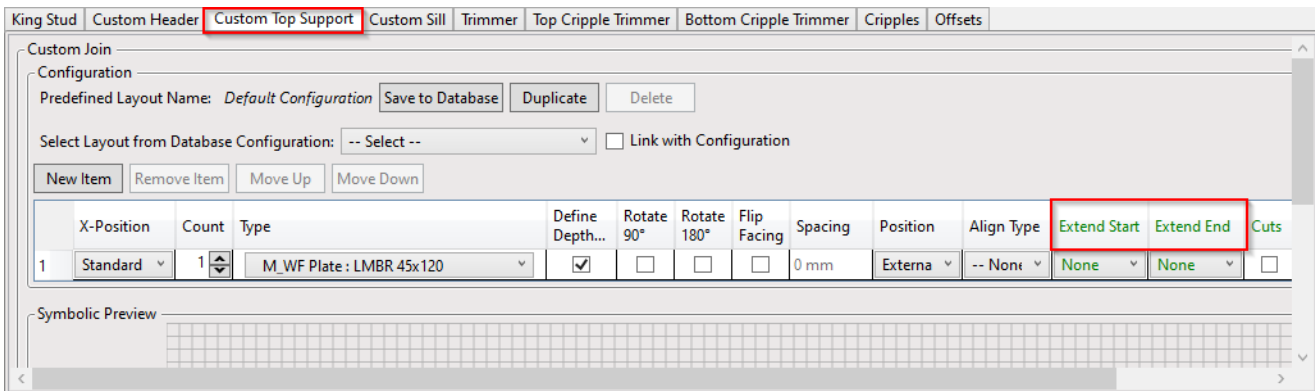
Result:



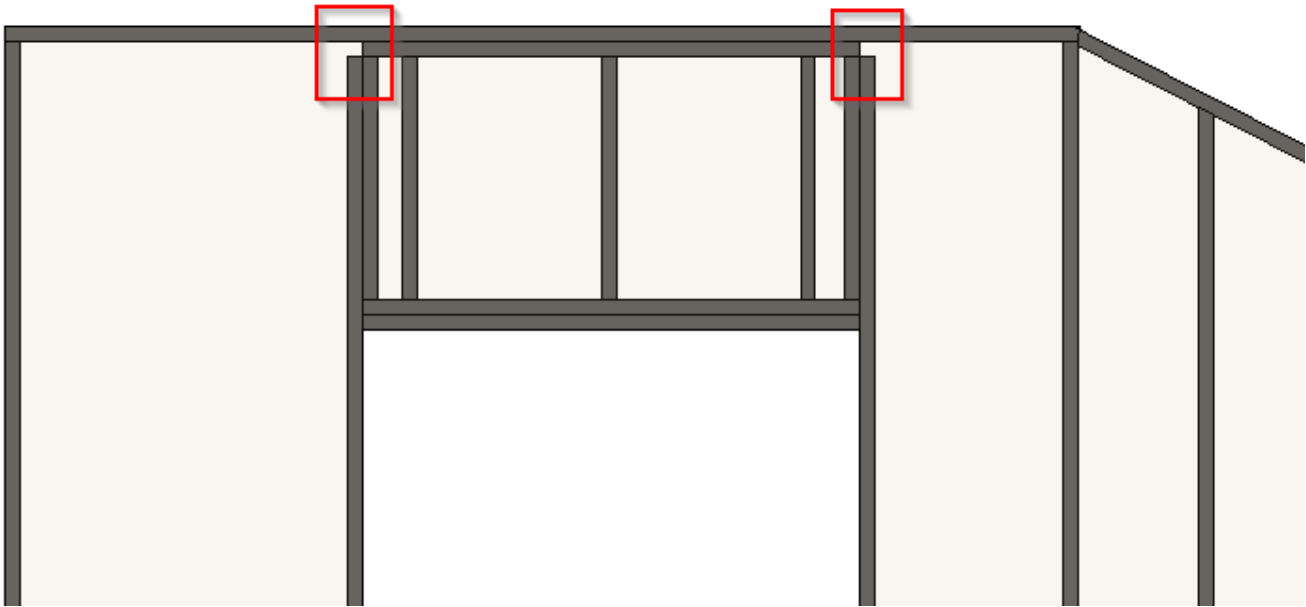


Extend Trimmer if it connects to Top Support and Trimming Joist is missing – extends trimmer ends if there is no King/Trimming Studs/Joists and **Trimmer Type = Bottom Plate to Top Plate Support**.

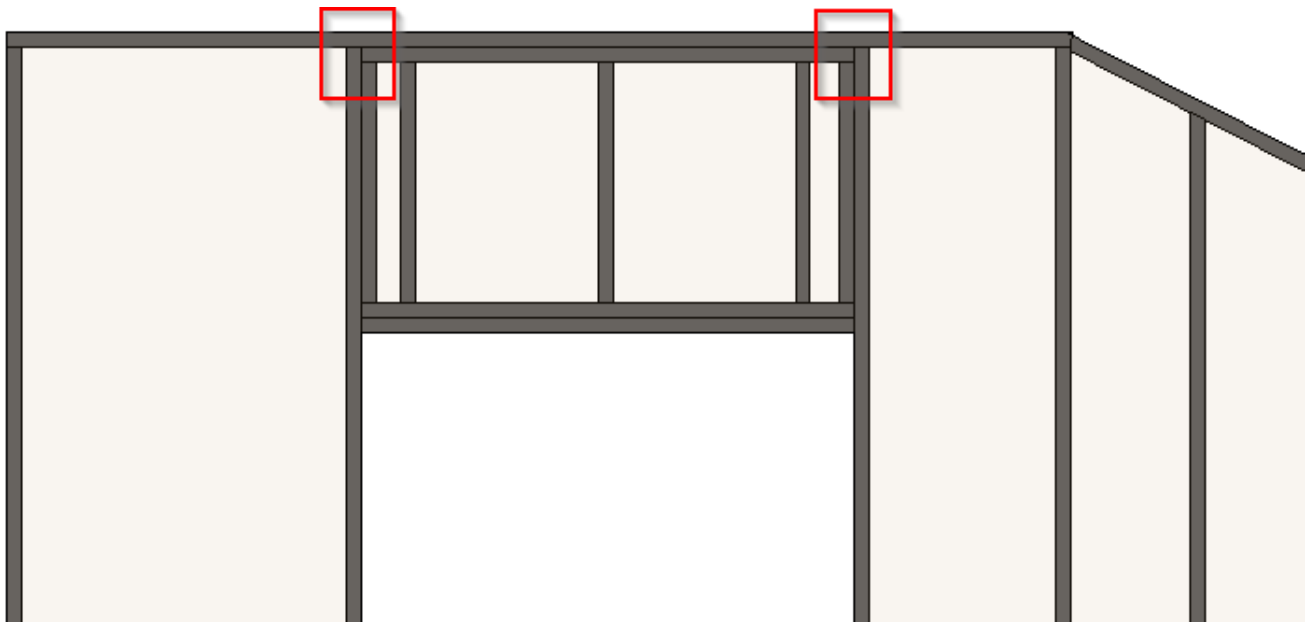
Also top support needs to be without extended ends:



Result when is switched OFF:



Result when is switched ON:



Top/Bottom Cripple Trimmer

King Stud Custom Header Custom Top Support Custom Sill Trimmer **Top Cripple Trimmer** Bottom Cripple Trimmer Cripples Offsets

Top Cripple Trimmer Left & Right

Trimmers are symmetrical

Custom Join

Configuration

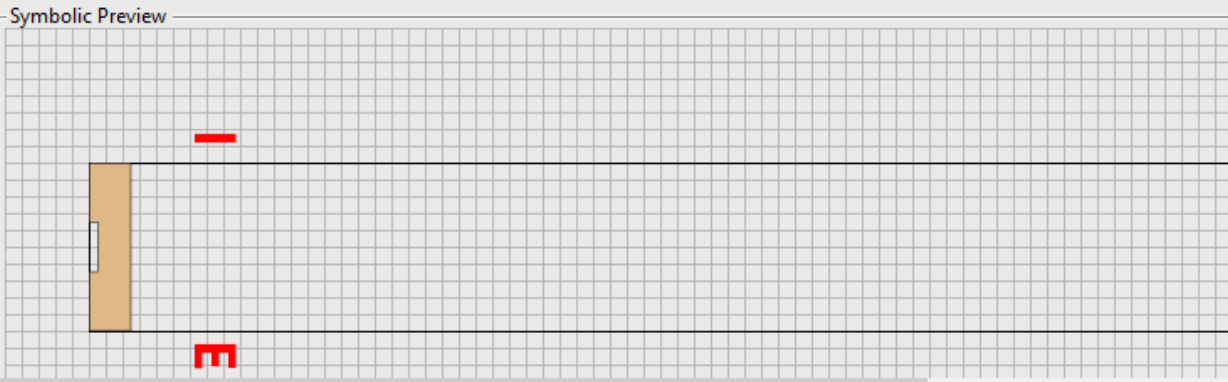
Predefined Layout Name: *Default Configuration* Save to Database Duplicate Delete

Select Layout from Database Configuration: -- Select -- Link with Configuration

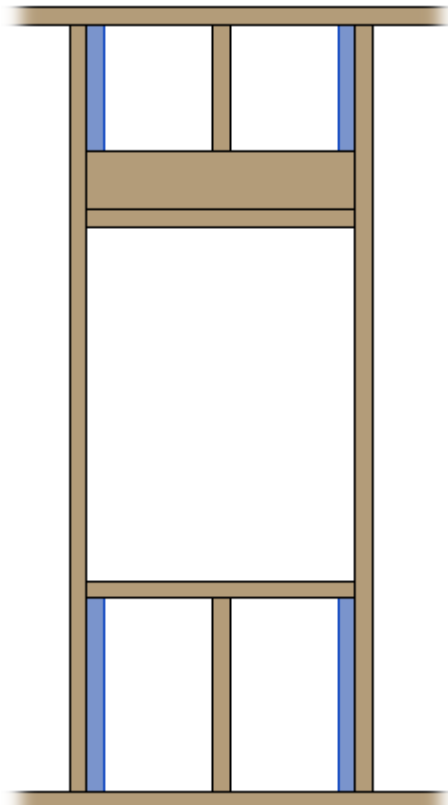
New Item Remove Item Move Up Move Down

	X-Position	Count	Type	Define Depth...	Rotate 90°	Flip Facing	Spacing	Position	Align Ty
1	Standard	1	M_WF Stud : LMBR 45x120	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	0 mm	Center	-- None

Symbolic Preview



Trimmers are symmetrical – switch this *OFF* if trimmers should be different on the left and right sides.



Cripples

King Stud	Custom Header	Custom Top Support	Custom Sill	Trimmer
Top Cripple Trimmer	Bottom Cripple Trimmer	Cripples	Offsets	

Top and Bottom Cripples

Top and Bottom Cripples are Equal

Define Top Cripple Studs/Joists by Spacing

Spacing Type: Centered

Spacing of Top Cripple Studs/Joists: 600

Number of Top Cripple Studs/Joists: 1

Custom Join

Configuration

Predefined Layout Name: *kampas*

Select Layout from Database Configuration: -- Select -- Link with Co

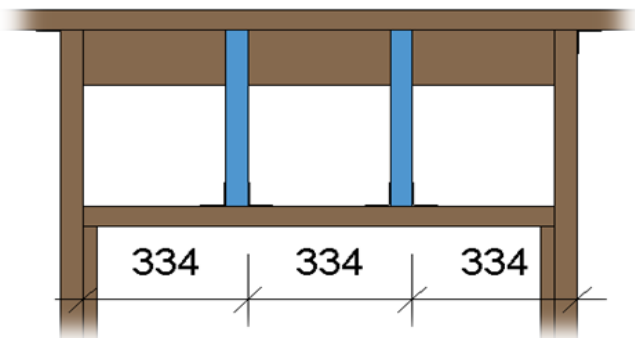
	X-Position	Count	Type	Define Depth...	Rotate 90°	Flip Facin
1	Standard	1	M_WF Stud : LMBR 45x120	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Symbolic Preview

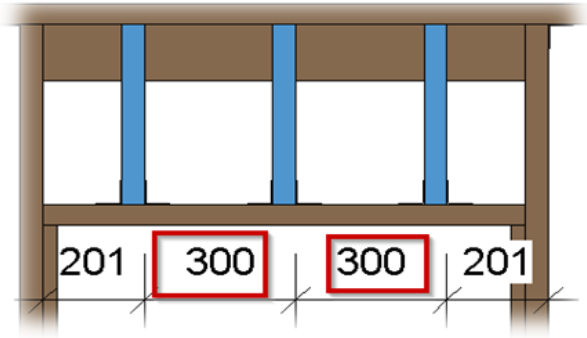
Top and Bottom Cripples are Equal – if ticked OFF, then two tabs appears which allows to control top and bottom cripples separately.

Define Top Cripples Studs/Joists by Spacing – if ticked ON, then you can predefine **Spacing Type** and **Spacing of Top Cripple Studs/Joists**. If unticked, then the software calculates the distance between top cripples automatically. You just need to define a **Number of Top Cripple Studs/Joists**.

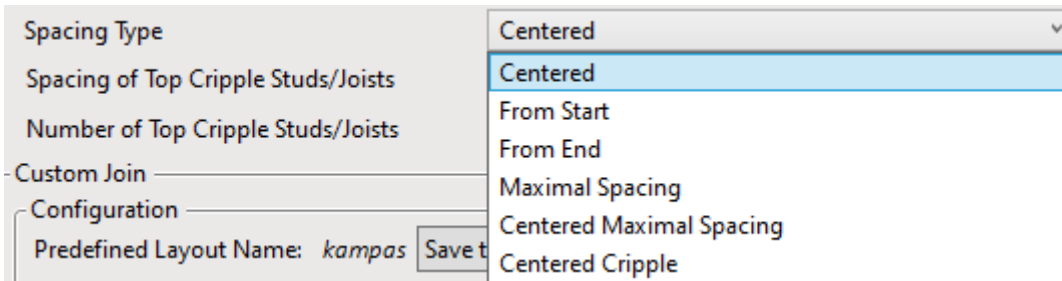
Number of Top Cripple Studs/Joists = 2



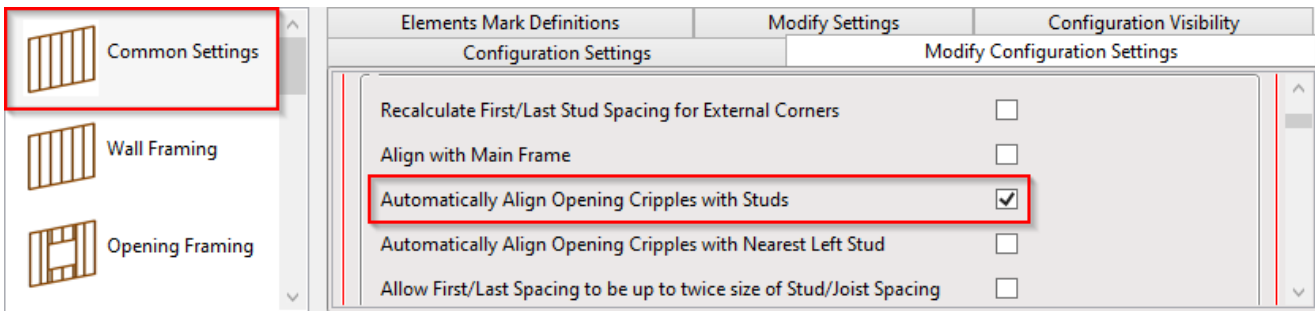
Spacing of Top Cripple Studs/Joists = 300



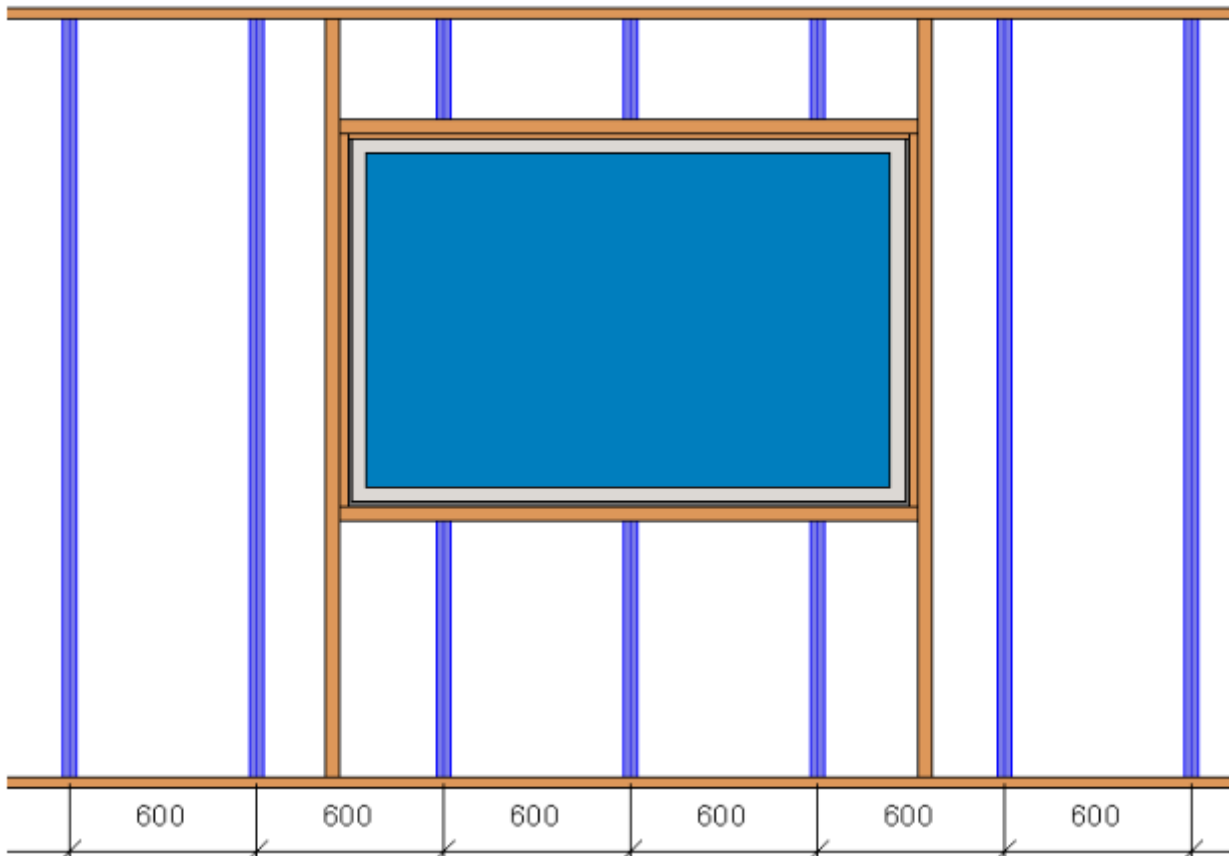
Spacing Type – defines different spacing arrangement options:



Note: *Define Top Cripples Studs/Joists by Spacing* will work 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.



Automatically Align Opening Cripples with Studs is switched ON:



Offsets

Opening Top, Bottom, Left, Right Offset – offsets frame in all preferred directions.

King Stud	Custom Header	Custom Top Support	Custom Sill	Trimmer
Top Cripple Trimmer	Bottom Cripple Trimmer	Cripples	Offsets	
Opening Top Offset	<input type="text" value="6"/>			
Opening Bottom Offset	<input type="text" value="6"/>			
Opening Left Offset	<input type="text" value="6"/>			
Opening Right Offset	<input type="text" value="6"/>			

