FRAMING CONFIGURATION – Opening Framing – Edit Window/Window Join Framing

Modified on: Sun, 10 Jan, 2021 at 5:37 PM

Framing Configuration may be found in two locations:

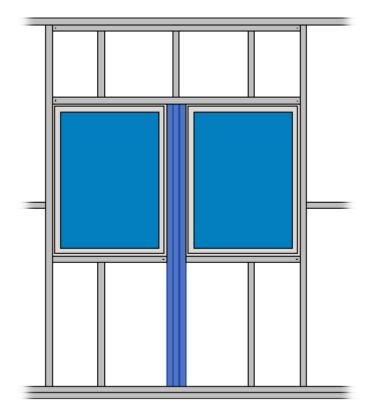
| | Update Fram | | | | E1 E10 | | 🔄 Link Roof |
|-----------------------------------|----------------|-------|-------------------|----------------------|----------------------|--------------------|-----------------------------|
| Frame Add/Modify Elements | Delete Frame | | Insert Rafters | Split Parts ▼ | Number Elements | Create Assembly | 🧔 Configs ▾ 📰 Settings ▾ |
| R1 Number Roofs | | Roc | of+ | | | | |
| Framing Configuration | | | | | | | |
| Frame Roof | | | | | | | |
| Add Secondary Frame | | | | | | | |
| Add Battens | | | | | | | |
| Add Roofing | | | | | | | |
| Frame Additional Layers | | | | | | | |
| Multi-Framing | | | | | | | |
| or: | | | | | | | |
| | 🔁 Update Frame | D - 🕞 | | €1 E10 | | Link Roof | |
| Frame Add/Modify Roof Elements | | Roof+ | rs Split Parts | Number Elements * | Create Assembly * | Framing C | Configuration |
| | | | | | | Sheathing | Configuration |
| | | | | | | Paneling (| Configuration |
| | | | | | | Details Co | nfiguration |
| | | | | | | Numberin | g Configuration |
| | | | | | | Drawing C | Configuration |
| | | | | | | Check Cu | stom Join Database |

Rafter Configuration

Window – Window Join Framing

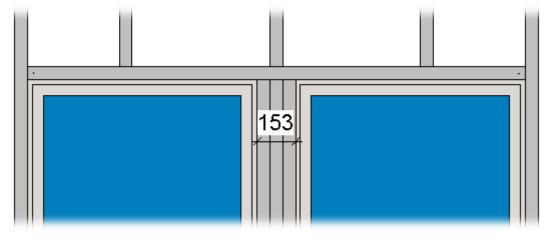
Window – Window Join Framing configuration settings are used to predefine Left, Right, Middle, and Center Top or Bottom Trimmers and Cripples. Settings are saved under separate configuration name and can be adjusted for different join sizes (From – To).

| ~ | $^{\sim}$ | Window | Framing | Opening Framin | g Window - Window Join Framing | 1 | | | | | | |
|--------------------|-----------|---------|--------------------------------------|------------------|--------------------------------|--------------|---------------------------------|--|--|--|--|--|
| Common Settings | | | 🗋 🗙 🇮 Edit Configurations | | | | | | | | | |
| | | -Non-st | Non-structural Roofs. Width of Join: | | | | | | | | | |
| Roof Common Joists | | F | From | То | Configuration | Preassembled | Opening Element Preassembled | | | | | |
| | | 0 | | 100 | M_WinWin Join NLB Framing 🛛 👻 | \checkmark | ✓ | | | | | |
| Opening Framing | | | | | | | | | | | | |
| | | | Edit C | Configurations | | | | | | | | |
| End Connection | | Structu | iral Roofs. \ | Width of Join: — | | | | | | | | |
| | | F | From | То | Configuration | Preassembled | Opening Element Preassembled | | | | | |
| Edge Joist | | 0 | | 100 | M_WinWin Join LB Framing Y | ✓ | ✓ | | | | | |
| | \sim | | | | | | ******* | | | | | |



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**.

FRAMING CONFIGURATION - Opening Framing - Edit Window/Window Join Framing : AGACAD



Edit Configurations

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

| ~ | \sim | Window Framing | Opening Fran | ning Window - Window Join Framing | 1 | |
|--------------------|--------|-------------------|-------------------|-----------------------------------|--------------------------|---------------------------------|
| Common Settings | | 📄 🗙 🖽 Edit | Configurations | | | |
| | | Non-structural R | Roofs. Width of J | loin: | | |
| Roof Common Joists | | From | То | Configuration | Preassembled | Opening Element Preassembled |
| | | 0 | 100 | M_WinWin Join NLB Framing Y | ✓ | ✓ |
| Opening Framing | | | | | | |
| | | 🗋 🗙 🖭 Edit | Configurations | | | |
| End Connection | | Structural Roofs. | . Width of Join: | | | |
| | | From | То | Configuration | Preassembled | Opening Element Preassembled |
| Edge Joist | | 0 | 100 | M_WinWin Join LB Framing ~ | ✓ | ✓ |
| | \sim | | | | ************************ | |

Default configurations will come together with the software. Default path to opening configurations is: C:\Users\user name\AppData\Roaming\Tools 4 Revit\Roof+(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:

| R Roof+. Window - Window Join Fr | aming. Non-structural Roofs | | – 🗆 X |
|-----------------------------------|-----------------------------|------------------|------------------|
| Configuration Name: M_WinWin Jo | in NLB Framing | ✓ Save Save | As Rename Delete |
| Trimmer - Center | Bottom Cripples | Top Cripples | |
| Trimmer - Common | Trimmer - Left | Trimmer - Middle | Trimmer - Right |
| Include Opening Side Offset | \checkmark | | |
| Preassembled | | | |
| Use this Type for all Trimmers | \checkmark | | |
| Main Type of Trimmers | M_RWF Common Joist | : LMBR 48x300 × | |
| Width (b) | 4.8 | | |
| Depth (h,d) | 30 | | |
| Define Depth (h,d) by Layer Thick | ness 🗸 | | |
| | | | Save Close |

Trimmers

7/9/2021

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| Trimmer - Center | Bottom Cripples | Bottom Cripple Trimmer | Top Cripples |
|---------------------------------------|--------------------|------------------------|-----------------|
| Trimmer - Common | Trimmer - Left | Trimmer - Middle | Trimmer - Right |
| Include Opening Side Offset | ✓ | | |
| Preassembled | | | |
| Use this Type for all Trimmers | \checkmark | | |
| Main Type of Trimmers | M_RWF Common Joist | : LMBR 48x300 V | |
| Width (b) | 4.8 | | |
| Depth (h,d) | 30 | | |
| Define Depth (h,d) by Layer Thickness | \checkmark | | |

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

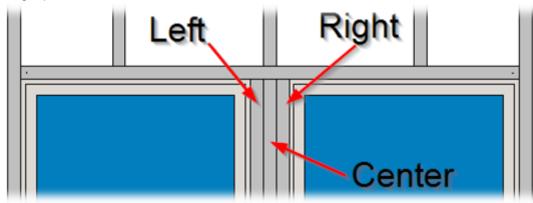
There are common settings for trimmers where you can predefine the type and automatically define the depth by layer thickness. With **Use this Type for all Trimmers** you can automatically change the selected type for all left, right, middle, or center trimmers.

| Trimmer - Center | Bottom Cripples | Bottom Cripple Trimmer | Top Cripples |
|-------------------------------------|--------------------|------------------------|-----------------|
| Trimmer - Common | Trimmer - Left | Trimmer - Middle | Trimmer - Right |
| Include Opening Side Offset | \checkmark | | |
| Preassembled | | | |
| Use this Type for all Trimmers | \checkmark | | |
| Main Type of Trimmers | M_RWF Common Joist | : LMBR 48x300 Y | |
| Width (b) | 4.8 | | |
| Depth (h,d) | 30 | | |
| Define Depth (h,d) by Layer Thickne | ess 🔽 | | |

Here you can control Left and Right trimmers:

| Tri | rimmer - Cente | er | Bottom | Cripples | Bottom Cripple Trimr | mer | | Top Crip | oples | |
|-----------|-----------------|-----------|--------------------|--------------------|-------------------------|-----------------|-----------------|----------------|--------|--|
| Tr | rimmer - Com | mon | Trim | mer - Left | Trimmer - Middle | | Trimmer - Right | | | |
| Custom | n Join | | | | | | | | | |
| Read L | ayout from Da | atabase C | onfiguration: S | Select | v | | | | | |
| Config | guration —— | | | | | | | | | |
| Prede | efined Layout I | Name: D | efault Configurati | ion Save to Databa | ase Duplicate Delet | e | | | | |
| New | v Item Remo | ove Item | Move Up Mo | ove Down | | | | | | |
| | X-Position | Count | Trimmer Type | Туре | | Define Depth | Rotate 90° | Rotate 180° | Spacin | |
| | | | | | | | | | | |
| 1 Symb | Standard Y | 1 🖍 | Bottom Plate v | M_RWF Commo | n Joist : LMBR 48x300 v | | | | 0 mm | |
| 1 Symb | | 1 💽 | Bottom Plate v | M_RWF Commo | n Joist : LMBR 48x300 V | | | | 0 mm | |
| 1 Symb | | 1 📚 | Bottom Plate V | M_RWF Commo | n Joist : LMBR 48x300 V | | | | 0 mm | |
| Symb | | 1 📚 | Bottom Plate V | M_RWF Commo | n Joist : LMBR 48x300 V | | | | 0 mm | |
| Symb | | 1 | Bottom Plate v | M_RWF Commo | n Joist : LMBR 48x300 V | | | | 0 mm | |
| Symb | | | Bottom Plate v | M_RWF Commo | n Joist : LMBR 48x300 V | | | | 0 mm | |
| Symb | | | Bottom Plate V | M_RWF Commo | n Joist : LMBR 48x300 V | | | | 0 mm | |
| Symb | | | Bottom Plate V | M_RWF Commo | n Joist : LMBR 48x300 V | | | | 0 mm | |

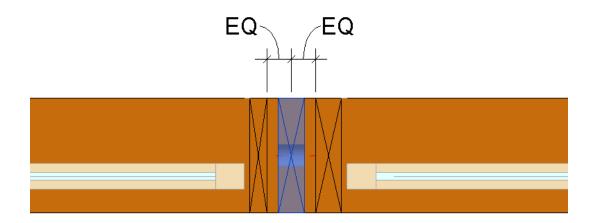
Left and Right positions from external side:



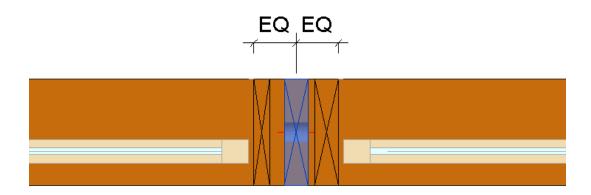
Here you can control Middle and Center trimmers:

| 021 | | FRAM | IING CONF | IGURA | TION – Op | ening F | raming – | Edit Windo | w/Window | Join Fra | ming : A | GACAD |
|---|----------------|---------|-------------|-----------|------------|-----------|----------|-----------------------------|-----------------|---------------------------------|----------------|---------|
| | er - Center | | Bottom | | | E | | ripple Trimr er - Middle | ner | Top Cripples Trimmer - Right | | |
| | er - Common | | Irim | imer - Le | ert | | mmme | er - Middle | _ | In | mmer - I | agnt |
| Custom Join Read Layout Configurati | t from Databas | Configu | ration: | Select | | | ¥ | | | | | |
| - | Layout Name: | Default | Configurat | ion Sav | e to Datab | ase D | uplicate | Delete | e | | | |
| New Item | Remove Iter | n Mov | ve Up M | ove Dow | /n | | | | | | | |
| X-Po: | sition Cou | t Trimn | ner Type | Туре | | | | | Define Depth | Rotate 90° | Rotate 180° | Spacing |
| 1 Stand | dard v 1 | Botto | m Plate 🛛 🗸 | M_RV | VF Commo | n Joist : | LMBR 4 | 8x300 v | ~ | | | 0 mm |
| - Symbolic P | review | | | | | | | | | | | |
| | | | | | | | | | | | | |

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

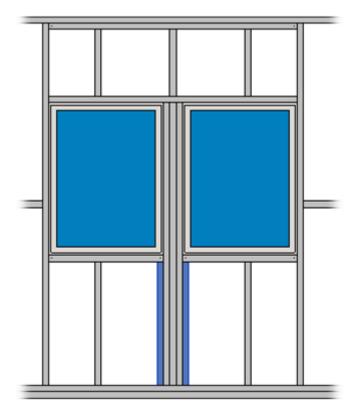


Center trimmers will be added equidistant from left and right openings:



| Tri | immer - Common | | Tr | immer - Left | | Trimmer - | Middle | | Trin | nmer - Right | t |
|--------|-------------------|------------|-----------|-----------------|--------------|------------|------------|--------|--------|--------------|----|
| Trir | mmer - Center | | Botto | m Cripples | В | ottom Crip | ple Trimme | er | | Top Cripple | s |
| ustom | n Join | | | | | | | | _ | | |
| Read L | ayout from Datab | ase Config | uration: | Default Confi | guration | ~ | | | | | |
| | guration | | | | | | | | | | |
| | efined Layout Nam | e: Defau | lt Confia | uration Save t | Database | Duplicate | e Del | ete | | | |
| ricuc | | | a conjug | Junation Survey | o Database | Dupircut | | | | | |
| New | ltem Remove | tem M | ove Up | Move Down | | | | | | | |
| | | | | | | | Define | Rotate | Rotate | | |
| | X-Position | Count | Туре | | | | Depth | 90° | 180° | Spacing | Po |
| 4 | WC 1 C 1 | 1 4 | 1 | | | | | | | - | |
| Symb | Window Slac | | M_RW | /F Common Jois | t : LMBR 48x | (300 ¥ | | | | 0 mm | С |
| Symb | window Side | | M_RW | /F Common Jois | t : LMBR 48x | 300 × | | | | 0 mm | |
| Symb | | | M_RW | /F Common Jois | t : LMBR 48x | (300 V | | | | 0 mm | C |
| Symb | | | M_RW | /F Common Jois | t : LMBR 48x | (300 ~ | | | | 0 mm | |
| Symb | | | M_RW | /F Common Jois | t : LMBR 48x | (300 ~ | | | | 0 mm | |
| Symbo | | | M_RW | /F Common Jois | t : LMBR 48> | (300 ~ | | | | | |
| Symbo | | | M_RW | /F Common Jois | t : LMBR 48> | (300 ~ | | | | | |
| Symbo | | | M_RW | /F Common Jois | t : LMBR 48> | (300 ~ | | | | | |
| Symb | | | M_RW | /F Common Jois | t : LMBR 48> | | | | | | |
| Symb | | | M_RW | /F Common Jois | t : LMBR 48> | | | | | | |
| Symb | | | M_RW | /F Common Jois | t : LMBR 48> | | | | | | |
| Symb | | | M_RW | /F Common Jois | t : LMBR 48> | | | | | | |
| Symb | | | M_RW | /F Common Jois | t : LMBR 48> | | | | | | |
| Symbo | | | | /F Common Jois | t : LMBR 48> | | | | | | |

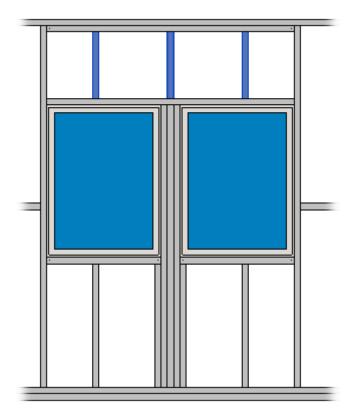
Example: Count of Bottom Trimmers = 1:



Here you can control Top Cripples:

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| Trimmer - Common | Trimmer - Left | Trimmer - Middle | Trimmer - Right |
|---|-----------------|------------------------|-----------------|
| Trimmer - Center | Bottom Cripples | Bottom Cripple Trimmer | Top Cripples |
| Joined layout of Cripple Define Top Cripple Stud | | | |
| Spacing Type | | Centered | ¥ |
| Spacing of Top Cripple | Studs/Joists 6 | 00 | |
| Number of Top Cripple | Studs/Joists 2 | 2 | A V |
| | | | |



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

| ^ | Elements Mark Definitions | Modify Settings | Configuration Visibility | | | | | |
|--------------------|---|-------------------------------|--------------------------|---|--|--|--|--|
| Common Settings | Configuration Settings | Modif | y Configuration Settings | | | | | |
| | Parameters Depend on Configuration Nan | ne | | Â | | | | |
| Roof Common Joists | Recalculate First/Last Joist Spacing for External Corners | | | | | | | |
| | Align with Main Frame | | \checkmark | | | | | |
| Opening Framing | Automatically Align Opening Cripples | vith Joists | \checkmark | | | | | |
| | Automatically Align Opening Cripples | vith Nearest Left Joist | | | | | | |
| End Connection | Allow First/Last Spacing to be up to twi | ce size of Stud/Joist Spacing | \checkmark | | | | | |
| \checkmark | Delete or Move Joists when they Collide | : | Move v | ~ | | | | |

Custom Join

| Trimmer - Common Trimmer - Left Trimmer - Middle Trimmer - Right | | | | | | Right | | | |
|--|-------|-----------------------------|-----------------|-------------|-----------------|----------------------|------------|-----------------|--------------------|
| Trimmer - Center | | Bottor | m Cripples | Bottor | n Cripple T | rimmer | | Top Cr | ipples |
| Custom Join Read Layout from Databas Configuration Predefined Layout Name | : Def | | uration Save to | | v plicate | Delete | | | ^ |
| New Item Remove Ite X-Position Cou 1 Window ! ~ 1 | nt Tj | Move Up /pe 1 RWF Con | Move Down | R 48x 300 Y | Define Depth | Rotate Ro 90° 180 | tate)° | Spacing 0 mm | Position Center |
| - Symbolic Preview | | | | | | | | | |
| <pre></pre> | | | | | | | | | > |

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 <u>Custom Join detailed description >></u> (<u>https://agacad.freshdesk.com/support/solutions/articles/44001990031-custom-join</u>)