# FRAMING CONFIGURATION – Opening Framing – Edit Window/Window Join Framing or Window/Door Join Framing

Modified on: Mon, 28 Dec, 2020 at 7:31 PM

#### E10 TH. 🔓 Link Wall 营 Update Frame IIII 6 🗙 Delete Frame 🙆 Configs 🔹 Frame Add/Modify Split Number Create 🗄 Settings 🔹 Modify Other Wall Elements Parts Elements Assembly Wall+M Validate Walls W1 W10 Number Walls Framing Configuration =={< TH Frame Wall Add Secondary Frame Add Siding Frame Additional Layers Multi-Framing or: E10 🔓 Link Wall THE P Update Frame **EIIT** Delete Frame 🙆 Configs Frame Add/Modify Split Number Create Framing Configuration Modify Other Parts Assembly Wall Elements Elements Wall+M Sheathing Configuration Paneling Configuration **Details Configuration**

#### Framing Configuration may be found in two locations:

## Window – Window Join Framing and Window – Door Join Framing

**Window – Window Join Framing** and **Window – Door 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).

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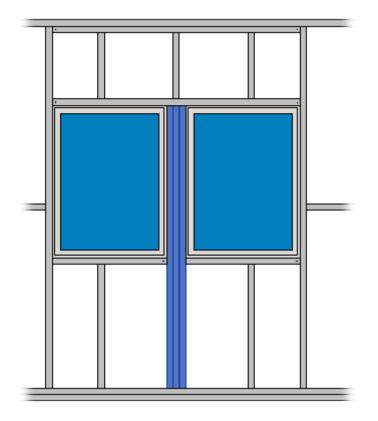
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Numbering Configuration

Drawing Configuration

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| R Wall+M. Default Fra | aming Parameters |        |               |                    |                 |                             |              | — C                 | - X             |
|-----------------------|------------------|--------|---------------|--------------------|-----------------|-----------------------------|--------------|---------------------|-----------------|
| Material Class:       | Steel            |        |               | Ŷ                  |                 |                             |              |                     |                 |
| Configuration Type:   | Frame            |        |               | Ŷ                  | ]               |                             |              |                     |                 |
| Configuration Name:   | M_C+C            |        |               | Ŷ                  | Save            | Save As Rename I            | Delete       |                     |                 |
| Common S              | ^                |        | w Framing     |                    | Opening Framing | Window - Window Join Fran   | ming Window  | - Door Join         | Framing         |
|                       | ettings          |        | Edit C        | onfigurations      |                 |                             |              |                     |                 |
|                       |                  | -Non-s | tructural W   | alls. Width of Joi | n:              |                             |              |                     |                 |
| Wall Framir           | ng               |        | From          | То                 | Configuration   |                             | Preassembled | Opening<br>Preassem |                 |
|                       |                  |        | 0             | 200                | M_Window - Win  | ndow Join Non-bearing 💉     |              |                     |                 |
| Opening Fr            | aming            |        | Edit C        | onfigurations      |                 |                             |              |                     |                 |
| L Connectio           |                  | Struct | ural Walls. V | Width of Join: —   |                 |                             |              |                     |                 |
|                       | 511              |        | From          | То                 | Configuration   |                             | Preassembled | Opening<br>Preassem | Element<br>bled |
| End Conne             | ction            | (      | 0             | 200                | M_Window - Wir  | ndow Join Bearing Fran \vee |              |                     |                 |
|                       | ~                |        |               |                    |                 |                             |              |                     |                 |
|                       |                  |        |               |                    |                 |                             | Save         |                     | Close           |



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**.

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### **Edit Configuration**

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

| ^               | Window Framing                       | Door Framing                 | Opening Framing  |                                 |  |
|-----------------|--------------------------------------|------------------------------|------------------|---------------------------------|--|
| Common Settings | Window - Window Join                 | Framing Wir                  | ndow - Door Join | Framing                         |  |
|                 | 📄 🗙 🎞 Edit Configurations            |                              |                  |                                 |  |
| Wall Framing    | Non-structural Walls. Width of Join: |                              |                  | ]                               |  |
|                 | From To 0                            | Configuration                | Preassembled     | Opening Element<br>Preassembled |  |
| Opening Framing | 0 200                                | M_Window-Window Non-beari    |                  |                                 |  |
|                 |                                      |                              |                  |                                 |  |
| L Connection    | 📄 🗙 🖽 Edit Configurations            |                              |                  |                                 |  |
|                 | Structural Walls. Width of Join:     |                              |                  |                                 |  |
| End Connection  | From To 0                            | Configuration                | Preassembled     | Opening Element<br>Preassembled |  |
|                 | 0 200                                | M_Window-Window Bearing Fr 👻 |                  |                                 |  |

Default configurations will come together with the software. Default path to opening configurations is: C:\Users\user name\AppData\Roaming\Tools 4 Revit\Wall+M(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 Wall+M. Window - Window Join      | /alls      | _                          |                        |          |         |
|-------------------------------------|------------|----------------------------|------------------------|----------|---------|
| Configuration Name: M_Window - W    | indow Join | Non-bearing Frar           | ning v Save Save As    | . Rename | Delete  |
| Trimmer - Center                    | Bottom (   | Cripples                   | Bottom Cripple Trimmer | Тор      | Cripple |
| Trimmer - Common                    | Trimr      | ner - Left                 | Trimmer - Middle       | Trimmer  | - Right |
| Include Opening Side Offset         | ✓          |                            |                        |          |         |
| Preassembled                        |            |                            |                        |          |         |
| Use this Type for all Trimmers      |            |                            |                        |          |         |
| Main Type of Trimmers               |            | M_MF C+C Stud<br>C10251-15 | ~                      |          |         |
| Width (b)                           | 5.08       |                            |                        |          |         |
| Depth (h,d)                         | 10.2       |                            |                        |          |         |
| Define Depth (h,d) by Layer Thickne | ess        |                            |                        |          |         |
|                                     |            |                            |                        | Save     | Close   |

## Trimmers

| Trimmer - Center           | Bottom Cripples |   | Bottom Cripple Trimme      | er Top Cripple |                |  |
|----------------------------|-----------------|---|----------------------------|----------------|----------------|--|
| Trimmer - Common           | Trimmer - Left  | t | Trimmer - Middle           | Т              | rimmer - Right |  |
| Include Opening Side Of    | fset 🗸          | ] |                            |                |                |  |
| Preassembled               |                 |   |                            |                |                |  |
| Use this Type for all Trim | mers            |   |                            |                |                |  |
| Main Type of Trimmers      | •               |   | M_MF C+C Stud<br>210251-15 |                | ¥              |  |
| Width (b)                  |                 | 8 |                            |                |                |  |
| Depth (h,d)                |                 | 2 |                            |                |                |  |
| Define Depth (h,d) by La   | yer Thickness   |   |                            |                |                |  |

**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 for all Trimmers** you can automatically change the selected type for all left, right, middle, or center trimmers.

| Trimmer - Center               | Bottom Crip     | ples   | Bottom Cripple Trimmer     | Top Cripple     |  |  |  |
|--------------------------------|-----------------|--------|----------------------------|-----------------|--|--|--|
| Trimmer - Common               | Trimmer         | - Left | Trimmer - Middle           | Trimmer - Right |  |  |  |
| Include Opening Side           | Offset          | ✓      |                            |                 |  |  |  |
| Preassembled                   |                 |        |                            |                 |  |  |  |
| Use this Type for all Trimmers |                 |        |                            |                 |  |  |  |
| Main Type of Trimmers          |                 | e.     | M_MF C+C Stud<br>C10251-15 | ~               |  |  |  |
| Width (b)                      |                 | 5.08   |                            |                 |  |  |  |
| Depth (h,d)                    |                 |        |                            |                 |  |  |  |
| Define Depth (h,d) by          | Layer Thickness |        |                            |                 |  |  |  |

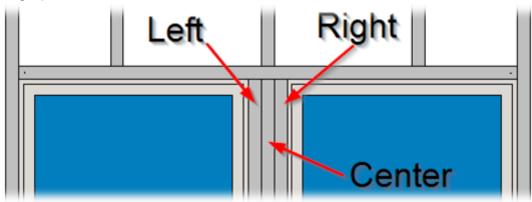
Here you can control Left and Right trimmers:

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|              | Center         | Bottom Cripples                | Bottom Crip        | Bottom Cripple Trimmer |               |                |                | Top Cripple |  |  |  |
|--------------|----------------|--------------------------------|--------------------|------------------------|---------------|----------------|----------------|-------------|--|--|--|
| Trimmer -    | - Common       | Trimmer - Left                 | Trimmer -          | Middle                 |               | Tri            | mmer - I       | Right       |  |  |  |
|              | ayout Name: De | fault Configuration Save to Da | tabase Duplicate   | Rename                 | D             | elete          |                |             |  |  |  |
| New Item     | Remove Item    | Move Up Move Down              |                    | 5.6                    |               |                |                |             |  |  |  |
| X-Posit      | tion Count     | Trimmer Type Type              |                    | Define<br>Depth        | Rotate<br>90° | Rotate<br>180° | Flip<br>Facing | Spacing     |  |  |  |
| 1 Standa     | ird 🗸 1 🗢      | Bottom Plate V M_MF C+         | C Stud : C10251-15 |                        |               | ~              |                | 0 mm        |  |  |  |
| Symbolic Pre |                |                                |                    |                        |               |                |                |             |  |  |  |

Left and Right positions from external wall side:

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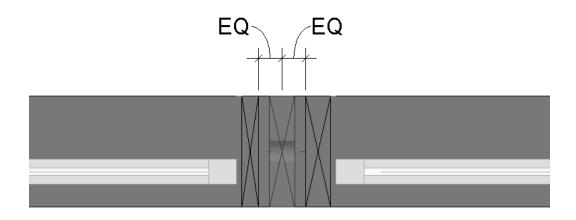
Here you can control Middle and Center trimmers:

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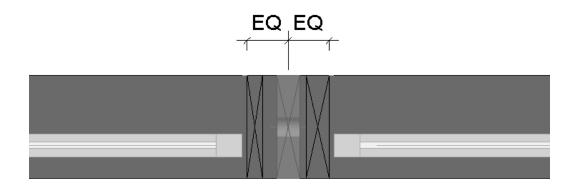
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| <b>T</b> :   | - Common      | Trimn                 | ner - Left | Trimmer -        |                 | Trimmer - Right |                |                |         |
|--------------|---------------|-----------------------|------------|------------------|-----------------|-----------------|----------------|----------------|---------|
| Irimmer -    | - Center      | Bottom (              | Cripples   | Bottom Crip      | ple Trimme      | er              |                | Top Cr         | ipple   |
|              | ayout Name: D | efault Configuration: |            | Duplicate        | Rename          | De              | elete          |                |         |
| New Item     | Remove Item   | Move Up Mo            | ve Down    |                  |                 |                 |                |                |         |
| X-Posit      | tion Count    | Trimmer Type          | Туре       |                  | Define<br>Depth | Rotate<br>90°   | Rotate<br>180° | Flip<br>Facing | Spacing |
| 1 Standa     | ard 🗸 1 🜩     | Bottom Plate 👻        | M_MFC+C    | Stud : C10251-15 |                 |                 |                |                | 0 mm    |
| Symbolic Pre | view          |                       |            |                  |                 |                 |                |                |         |

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



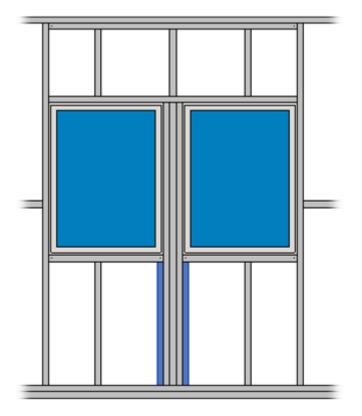
Center trimmers will be added equidistant from left and right openings:



Here you can control Bottom Cripple Trimmer:

| Tri  | mmer - (              | Commo    | on       | Trimm          | ner - Left     | Tri         | mmer - Mi       | ddle          |                | Trimme         | er - Right |
|------|-----------------------|----------|----------|----------------|----------------|-------------|-----------------|---------------|----------------|----------------|------------|
| Trir | mmer - (              | Center   |          | Bottom C       | ripples        | Bott        | om Cripple      | e Trimme      | r              | То             | p Cripple  |
|      | m Join –<br>figuratio | n        |          |                |                |             |                 |               |                |                |            |
|      | -                     |          | Name: D  | lefault Config | guration Save  | to Databas  | e Dupli         | cate          | Rename         | e C            | elete      |
| Sele | ct Layou              | t from I | Database | Configuratio   | n: Default C   | onfiguratio | n               | Ŷ             |                |                |            |
| Nev  | w Item                | Remo     | ve Item  | Move Up        | Move Down      | n           |                 |               |                |                |            |
|      | X-Posi                | tion     | Count    | Туре           |                |             | Define<br>Depth | Rotate<br>90° | Rotate<br>180° | Flip<br>Facing | Spacing    |
| 1    | Windo                 | w: Y     | 1 🜲      | M_MF C         | + C Stud : C10 | 251-15      |                 |               |                |                | 0 mm       |
| Svm  | bolic Pre             | view –   |          |                |                |             |                 |               |                |                |            |
|      |                       |          |          |                |                |             |                 |               |                |                |            |
|      |                       |          |          |                |                |             |                 |               |                |                |            |
| ++-  |                       |          |          | Left           |                | Right       |                 |               |                |                |            |
|      |                       |          |          |                |                |             |                 |               |                |                |            |
|      |                       |          |          |                |                |             |                 |               |                |                |            |
|      |                       |          |          |                |                |             |                 |               |                |                |            |
|      |                       |          |          |                |                |             |                 |               |                |                |            |
| +    |                       |          |          |                |                |             |                 |               |                |                |            |
|      |                       |          |          |                |                |             |                 |               |                |                |            |

Example: Number of Bottom Trimmer Studs/Joists = 1:

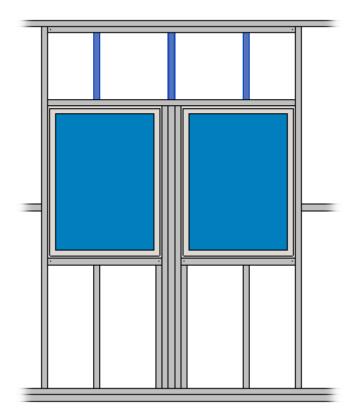


Here you can control Top Cripples:

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| Trimmer - Common   | Trimmer - Left   | Trimmer - Middle       | Trimmer - Right |  |  |  |  |  |
|--|------------------|------------------------|-----------------|--|--|--|--|--|
| Trimmer - Center   | Bottom Cripples  | Bottom Cripple Trimmer | Top Cripple     |  |  |  |  |  |
| Joined layout of Cripple Studs/Joists Define Top Cripple Studs/Joists by Spacing 🖌 |                  |                        |                 |  |  |  |  |  |
|  | · · · · ·        | ntered                 | ~               |  |  |  |  |  |
| Spacing Type   | Cer              | itered                 |                 |  |  |  |  |  |
| Spacing of Top Cripple   | Studs/Joists 600 |                        |                 |  |  |  |  |  |
| Number of Top Cripple  | Studs/Joists 2   |                        | ~ ~             |  |  |  |  |  |



Note: **Top/Bottom Cripples** will work in joined windows 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.

|                 | ~ | Elements Mark Definitions               | N            | lodify Settings    | Configuration Visibility    |   |
|-----------------|---|---|--------------|--------------------|-----------------------------|---|
| Common Settings |   | Configuration Settings                  |              | Mod                | dify Configuration Settings |   |
|                 |   | Recalculate First/Last Stud Spacing fo  | Corners      |                    |                             |   |
| Wall Framing    |   | Align with Main Frame                   |              |                    |                             |   |
|                 |   | Automatically Align Opening Cripples    | with Stud    | s                  | $\checkmark$                |   |
| Opening Framing |   | Automatically Align Opening Cripples    | with Near    | est Left Stud      |                             |   |
|                 | ~ | Allow First/Last Spacing to be up to to | vice size of | Stud/Joist Spacing |                             | ~ |

# **Custom Join**

| Trimmer - Center       Bottom Cripples       Bottom Cripple Trimmer       Top Cripple         Custom Join       Configuration       Save to Database       Duplicate       Rename       Delete         Predefined Layout Name:       Default Configuration       Save to Database       Duplicate       Rename       Delete         Select Layout from Database Configuration:       Default Configuration       v       v       New Item       Move Up       Move Down         X-Position       Count       Type       Define       Rotate       Rotate       Flip       Facing       Spacing         1       Window! v       1       M_MF C+C Stud: C10251-15       0 mm       0 mm       0 mm         Symbolic Preview       Left       Right       Image: Configuration       V   | Trimmer - Common Trimmer - Left Trimmer - Middle Trimmer - Right  |                      |        |           |         |  |     |           |  |
|---|---|----------------------|--------|-----------|---------|--|-----|-----------|--|
| Configuration   Predefined Layout Name:   Default Configuration   Select Layout from Database Configuration:   Default Configuration   New Item   Remove Item   Move Up   Move Down     X-Position   Count   Type   Define   Define   Prove   New Item   Remove Item   Move Up   Move Down     X-Position   Count   Type   Define   Define   Pose   Rotate   Flip   Facing   Symbolic Preview     Symbolic Preview  | Trimmer - Center  | Bottom Cripples      | Bottor | m Cripple | Trimmer |  | Тор | o Cripple |  |
| X-Position       Count       lype       Depth       90°       180°       Facing       Spacing         1       Window ! v       1       M_MF C+C Stud : C10251-15       Image: Count of the state of t | Configuration         Predefined Layout Name:       Default Configuration         Select Layout from Database       Configuration |                      |        |           |         |  |     |           |  |
| Symbolic Preview  | X-Position Count  | Туре                 |        |           |         |  |     | Spacing   |  |
|   | 1 Window : 🕤 🗘  | M_MF C+C Stud : C102 | 251-15 |           |         |  |     | 0 mm      |  |
|   | Symbolic Preview  |                      | Right  |           |         |  |     |           |  |

**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>