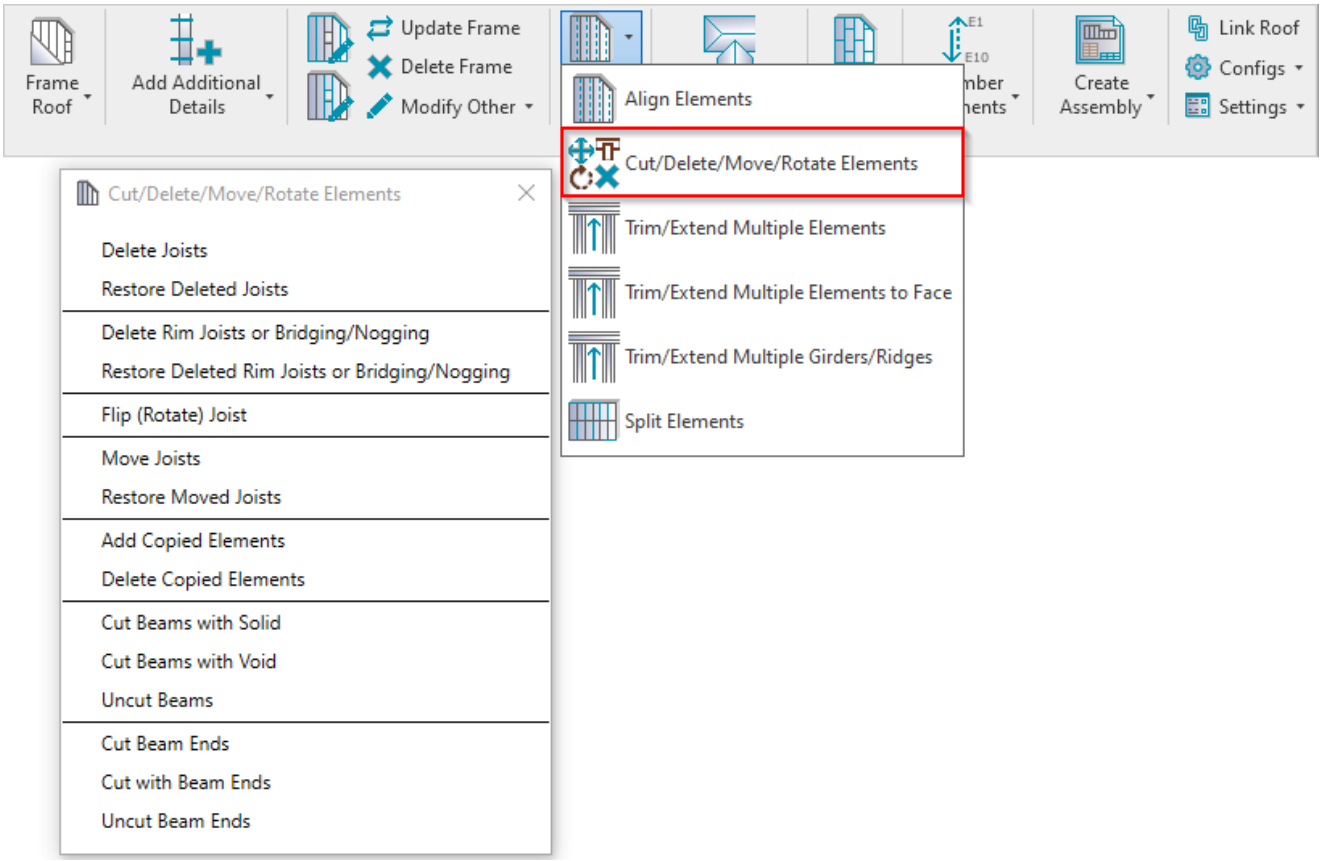
ALIGN/TRIM/EXTEND – Cut/Delete/Move/Rotate Elements

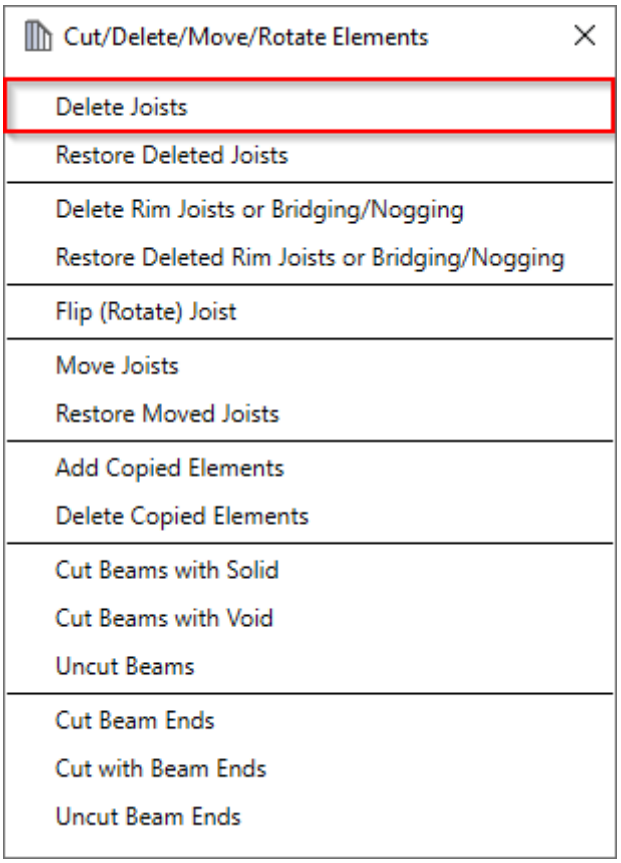
Modified on: Sat, 16 Jan, 2021 at 8:41 PM

Cut/Delete/Move/Rotate Elements



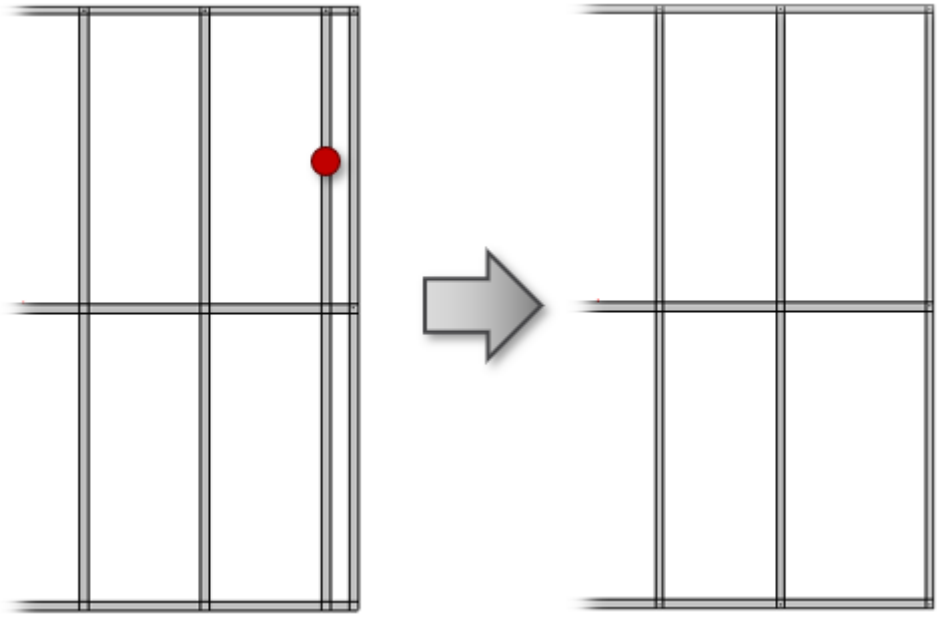
Cut/Delete/Move/Rotate Elements – features for deleting, moving, flipping joists, cutting beams, etc.

Delete Joists

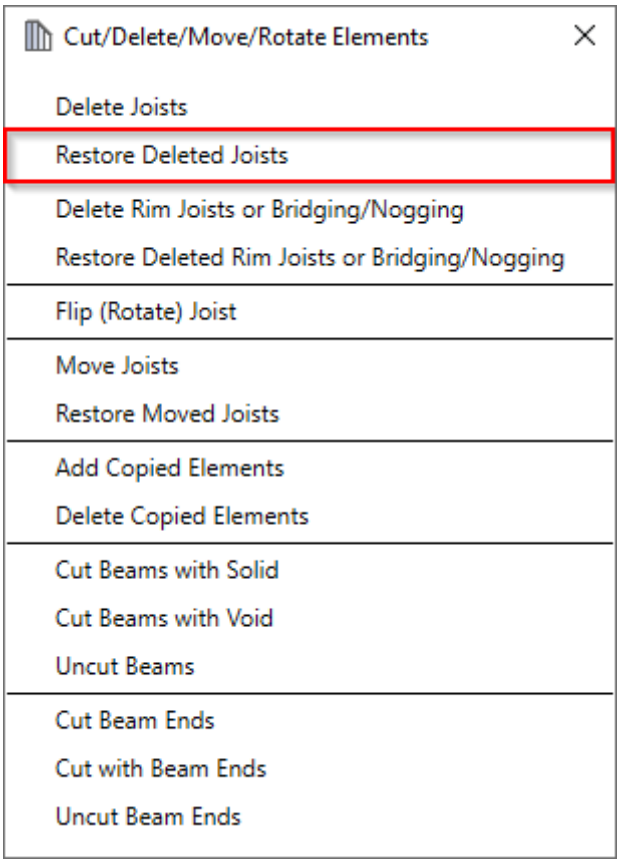


Delete Joists – deletes selected joists from the frame.

*Example: Select joist(s) to delete and click **Delete Joists**. If needed to join bridging/nogging, click **Update Frame**:*

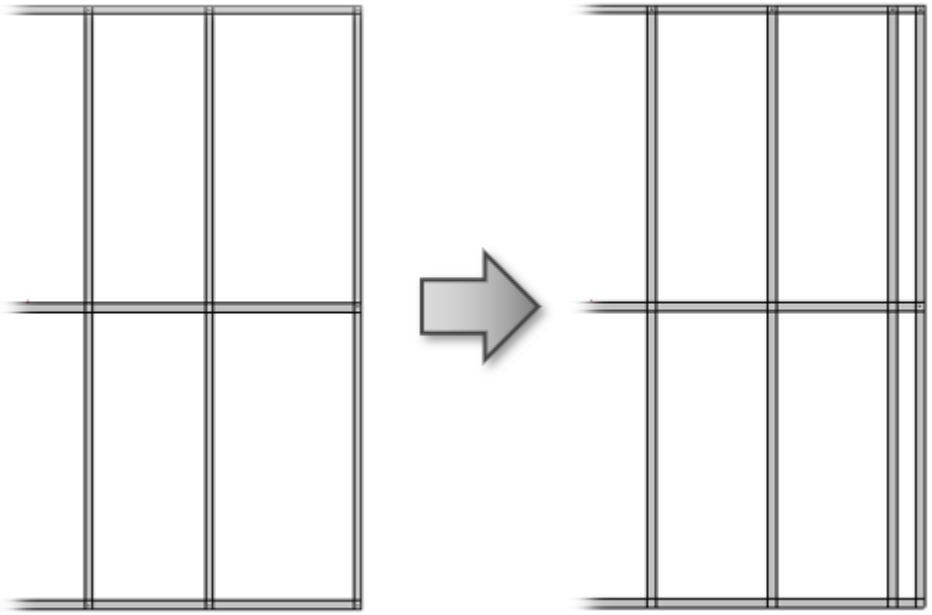


Restore Deleted Joists

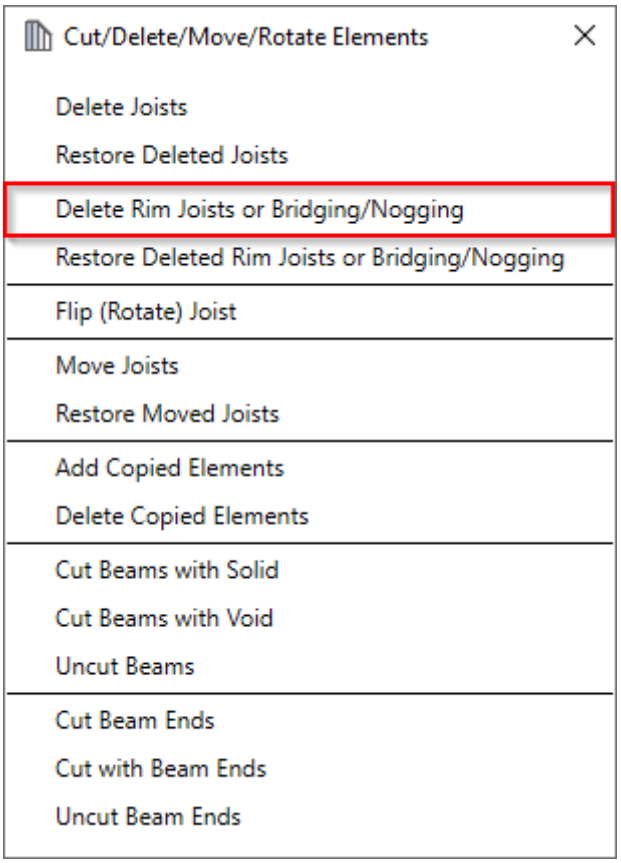


Restore Deleted Joists – restores deleted joists in selected frame.

*Example: Click **Restore Deleted Joists** and select a roof, opening, or any element from the frame to restore joist(s):*

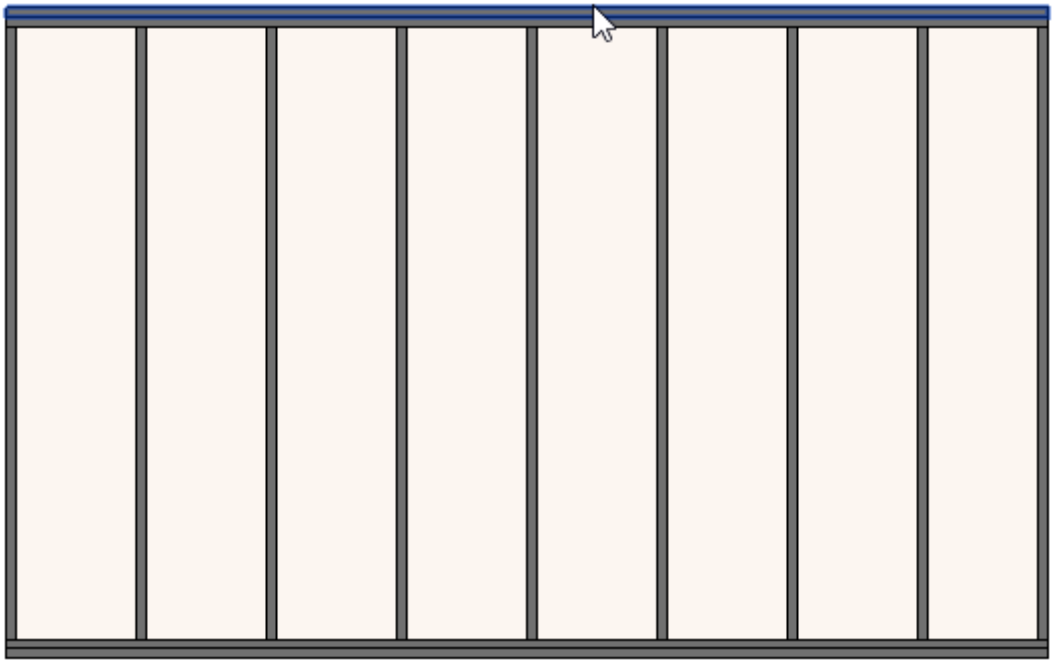


Delete Rim Joists or Bridging/Nogging



Delete Rim Joists or Bridging/Nogging – deletes selected plates or bridging/nogging which were inserted before. You can't delete it manually, because using updating functions the element will be restored.

Example, select the plate:



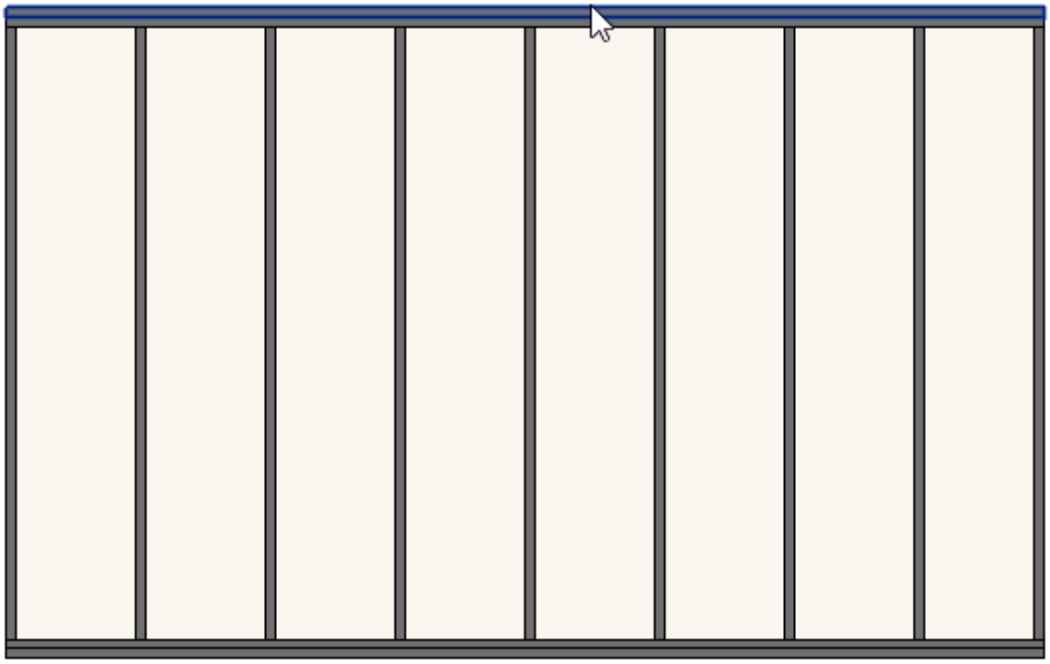
The plate is deleted and will not be restored during updating process:

Restore Deleted Rim Joists or Bridging/Nogging

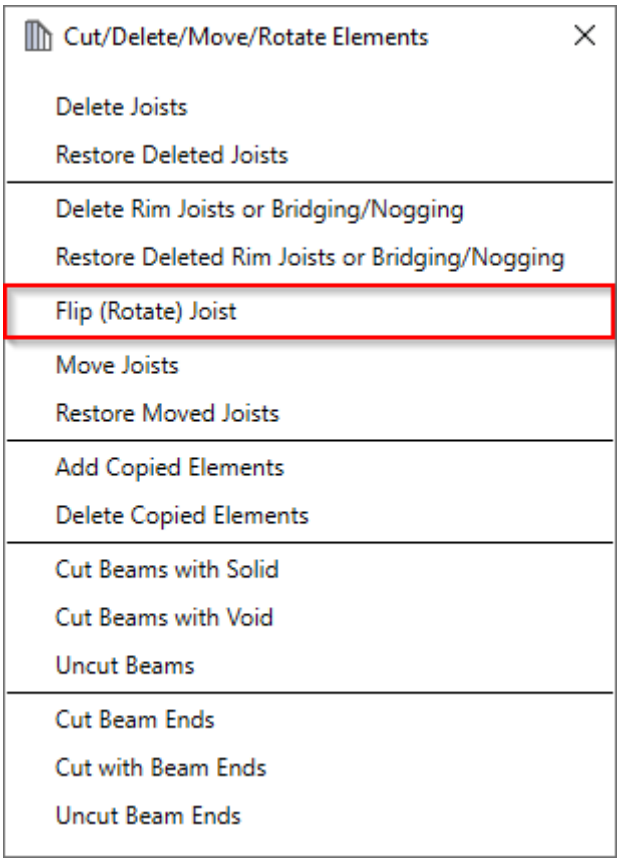
Restore deleted Rim Joists or Bridging/Nogging – restores deleted joists in selected frame.

Example, select the frame:

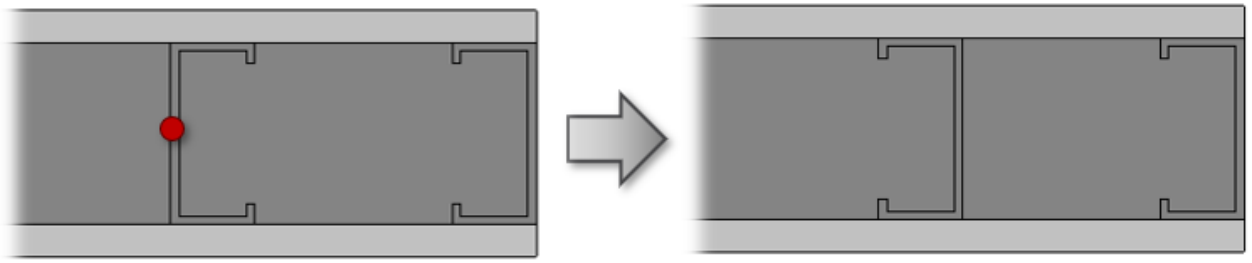
The plate is restored:



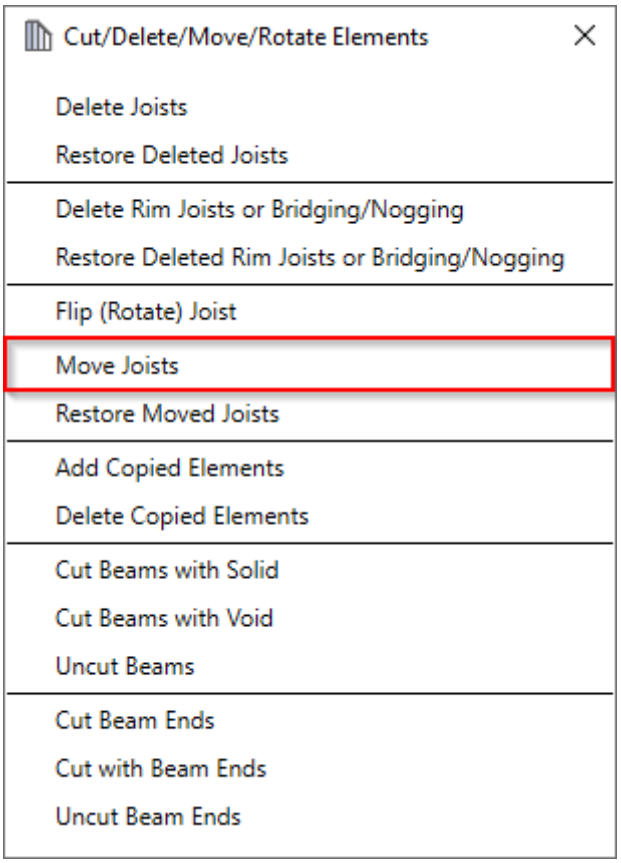
Flip (Rotate) Joist



Flip (Rotate) Joist - flips or rotates selected joist.

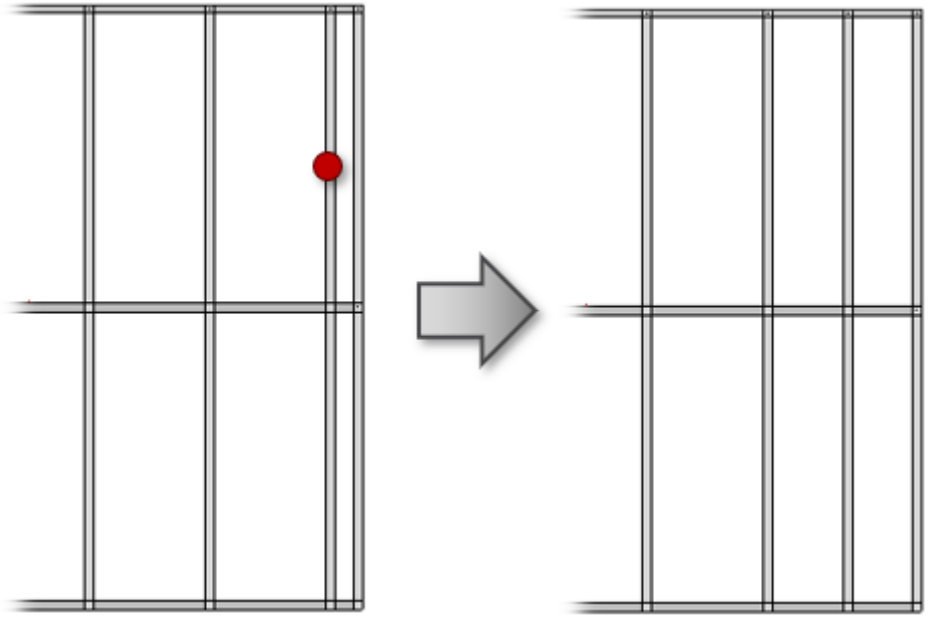


Move Joists

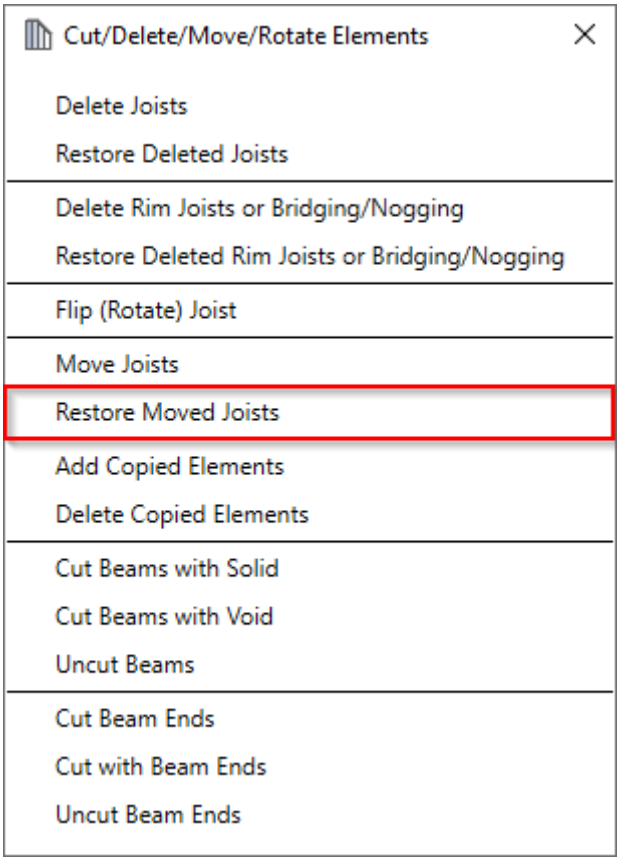


Move Joists – moves selected joist(s) to the left or right by predefined distance.

*Example: Select joist(s) → **Move Joists** → Define a distance → OK:*

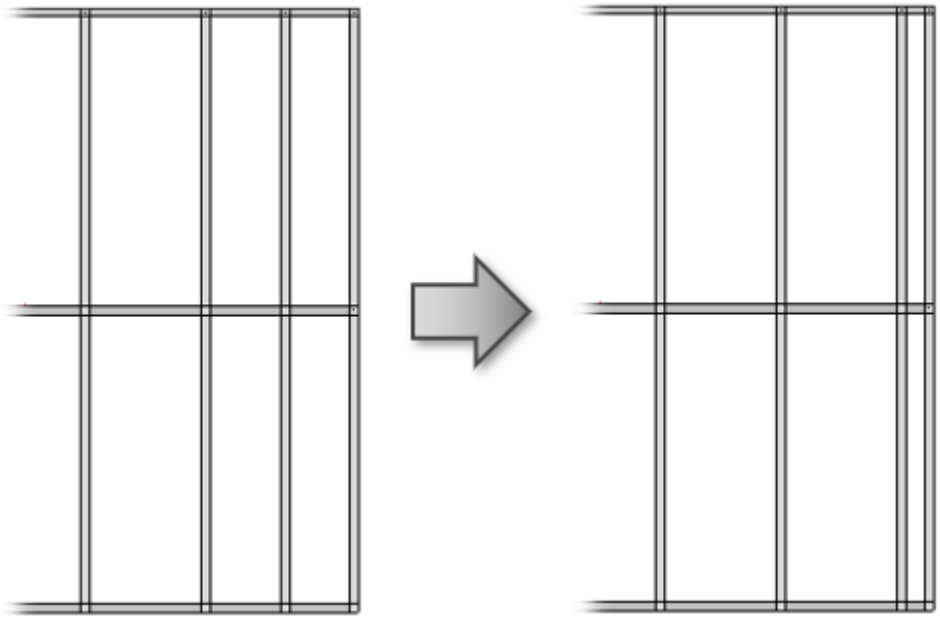


Restore Moved Joists

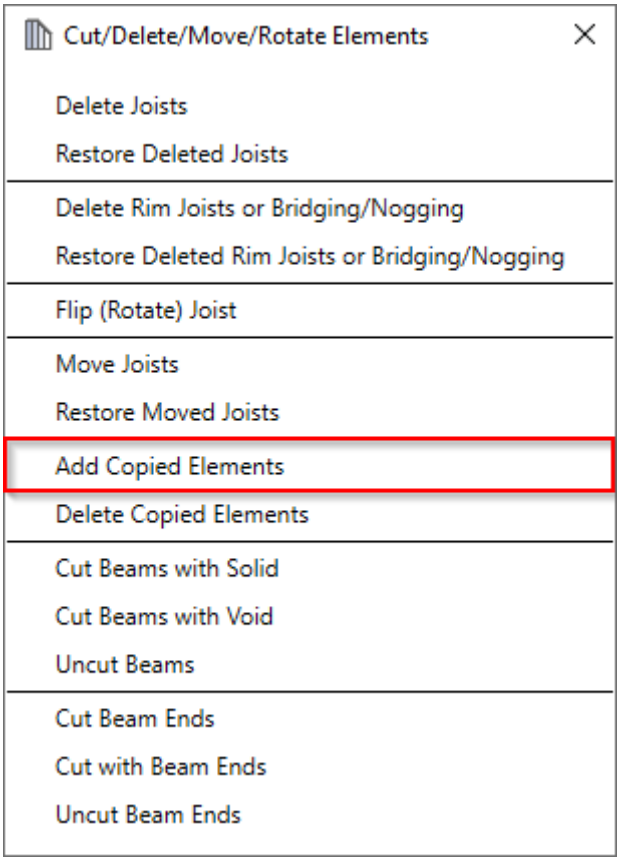


Restore Moved Joists – restores moved joists in selected frame to original position.

*Example: Click **Restore Moved Joists** and select a roof, opening, or any element from the frame to restore joist(s) to original position:*



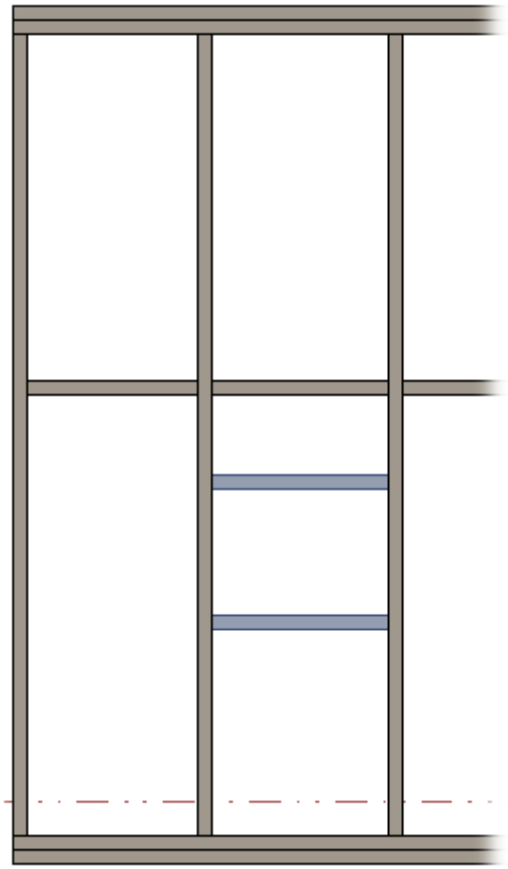
Add Copied Elements



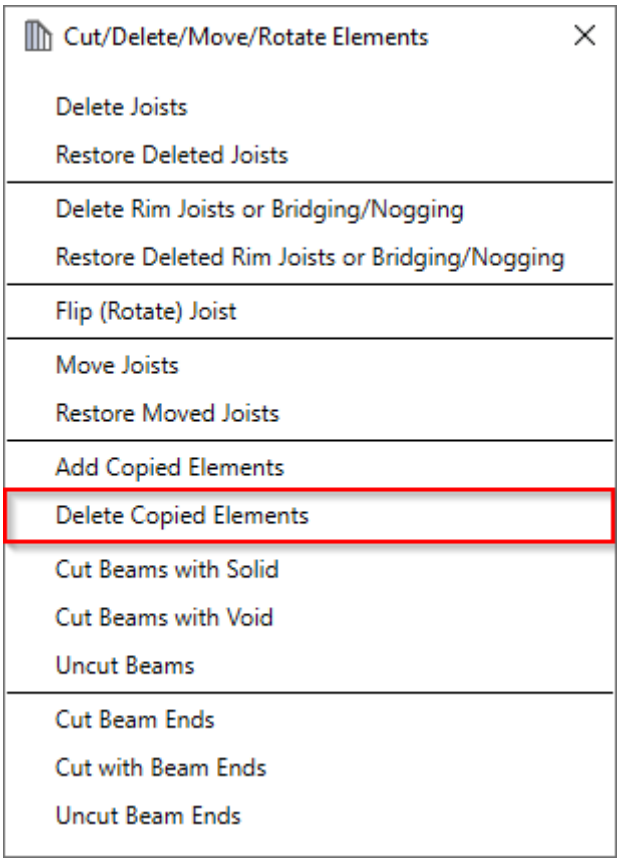
Add Copied Elements – adds copied elements to the existing frame system for later scheduling and inclusion in shop drawings.

Sometimes it is easier to copy some elements in the frame, but later it needs to be scheduled and included into shop drawings using **Roof+**. In such cases, use **Add Copied Elements**.

*Example: Two bridgings were manually copied with Revit **Copy** function. To include in existing frame system, select these bridgings → **Add Copied Elements**:*

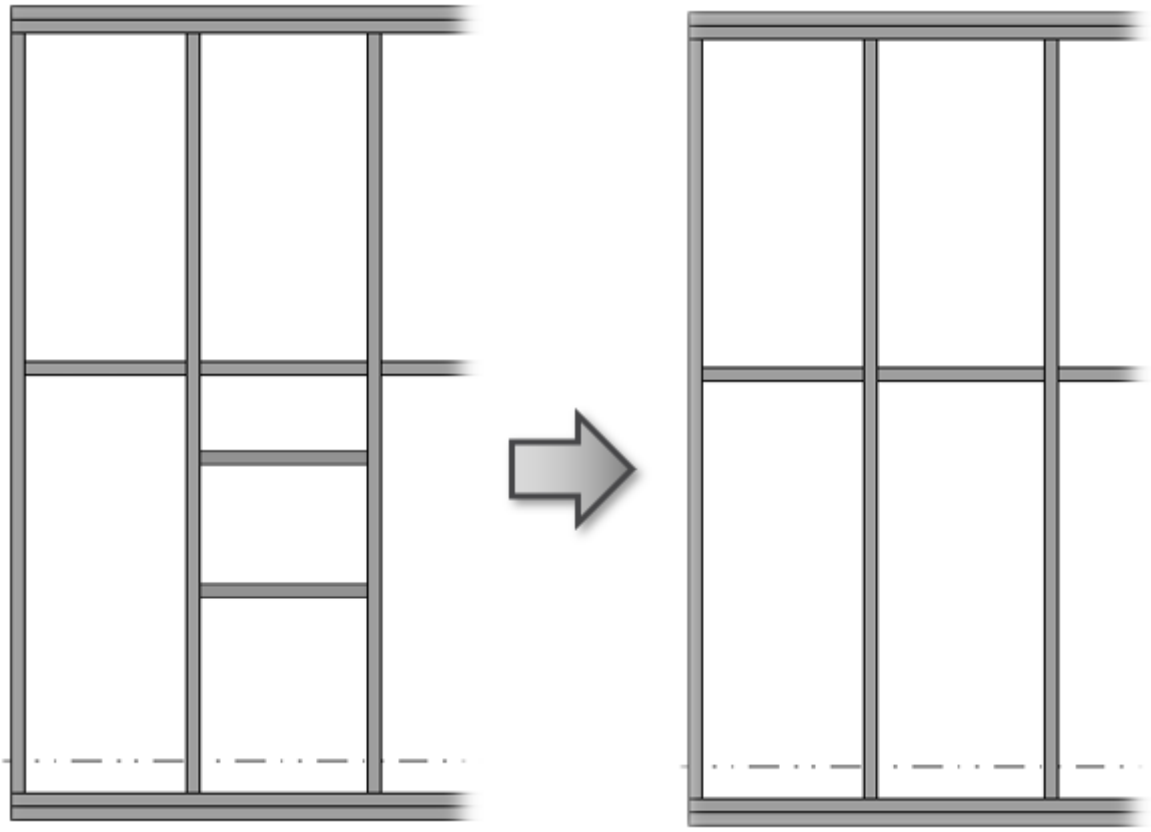


Delete Copied Elements

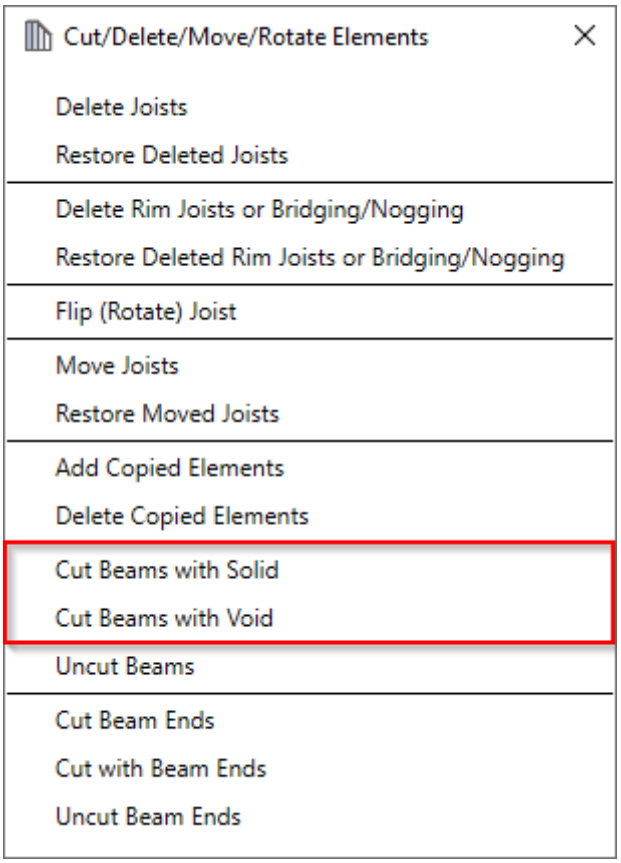


Delete Copied Elements – deletes elements that were copied manually and added to the existing frame system with **Add Copied Element**.

*Example: Click **Delete Copied Elements** and select a roof, opening, or any element from the frame to delete the copied elements:*

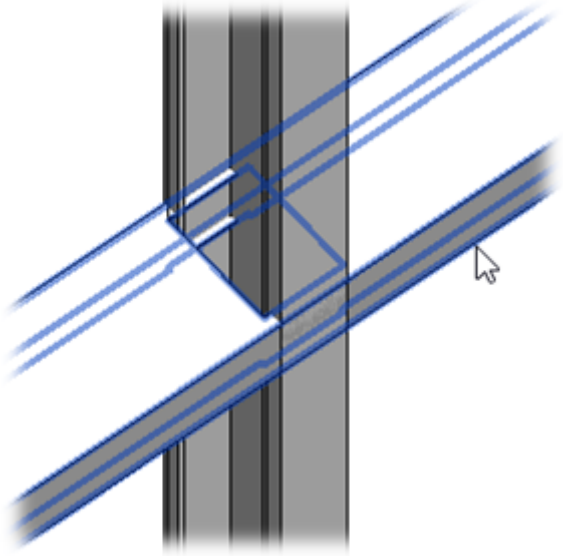


Cut Beams with Solid/Void

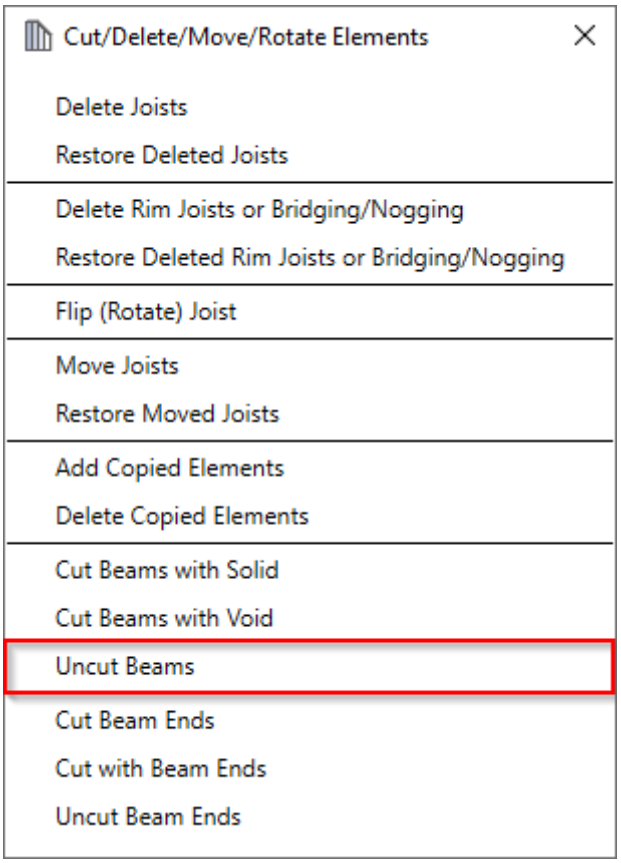


Cut Beams with Solid/Void – cuts beams that intersect with another beam (solid/void).

*Example: Click **Cut Beams with Solid** → Select intersecting beam:*

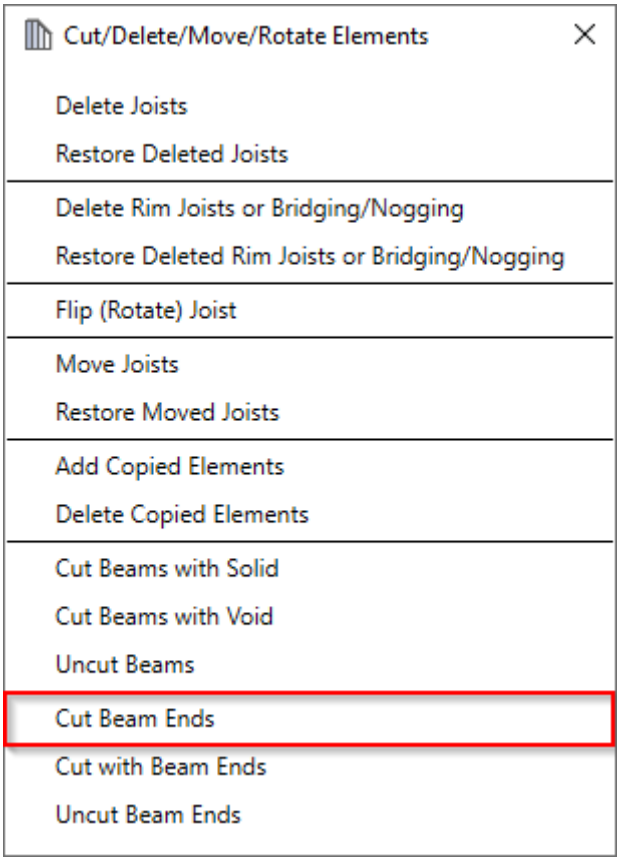


Uncut Beams



Uncut Beams – uncuts beams that intersect with another beam (solid/void).

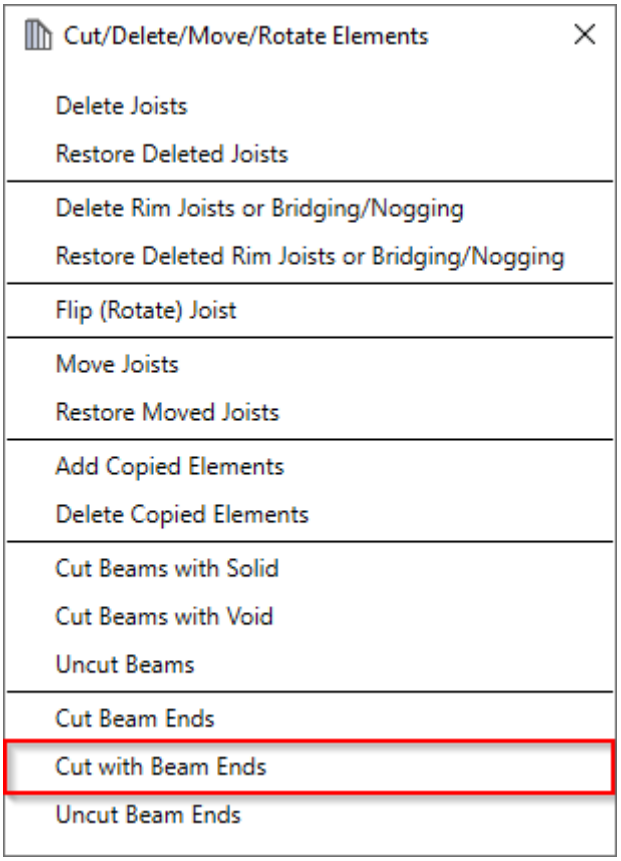
Cut Beam Ends



Cut Beam Ends – cuts selected beam ends that connect with another beam.

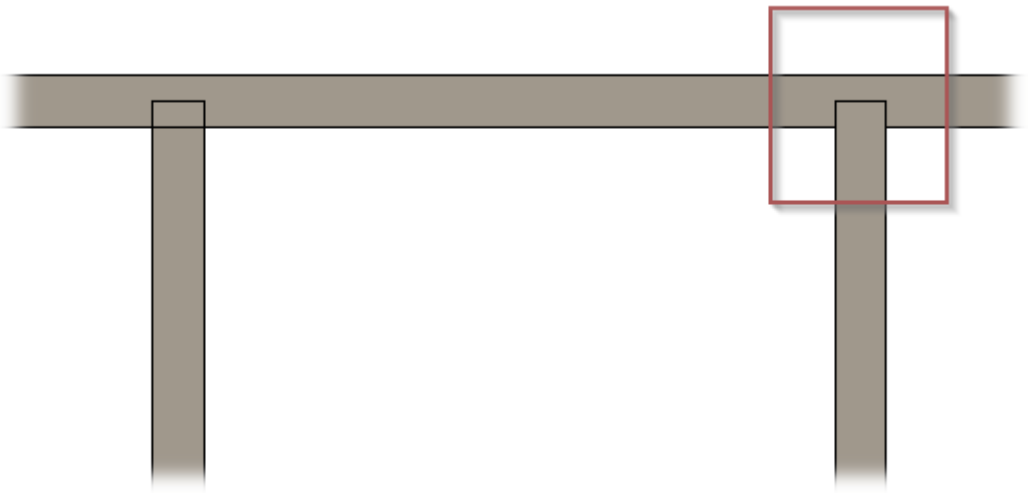
*Example: Click **Cut Beam Ends** → Select a beam that needs to be cut:*

Cut with Beam Ends

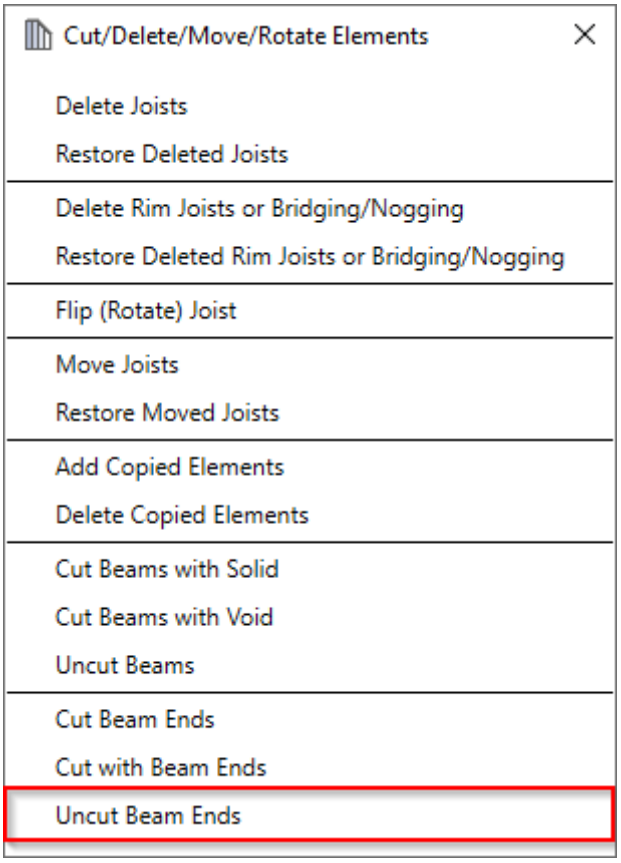


Cut with Beam Ends – cuts connected beam with selected beam ends.

*Example: Click **Cut with Beam Ends** → Select a beam that will cut connected beam:*



Uncut Beam Ends



Uncut Beam Ends – uncuts beam ends that connect with other beams.