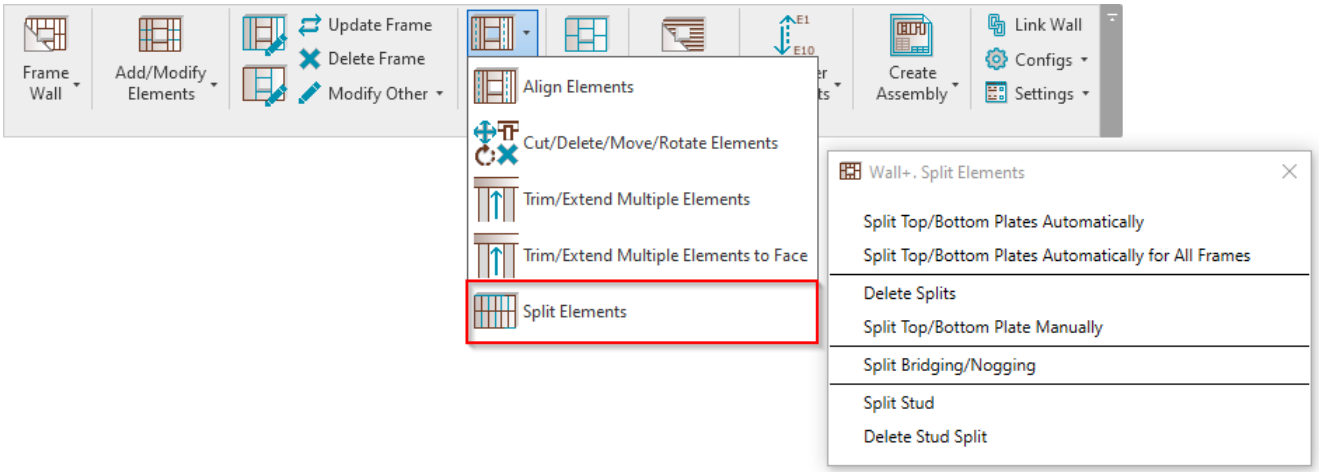
ALIGN/TRIM/EXTEND – Split Elements

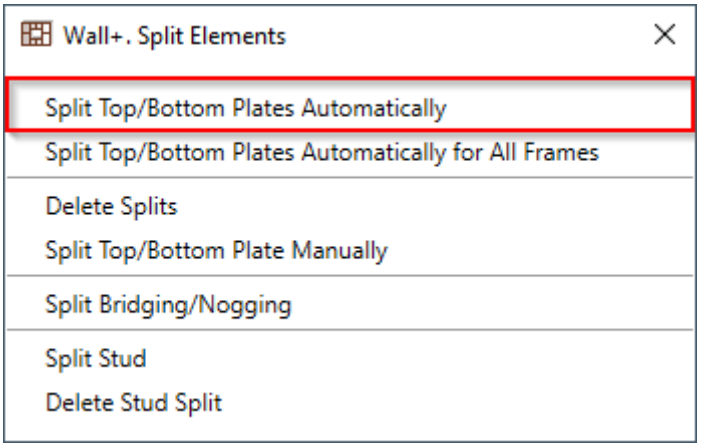
Modified on: Wed, 18 Nov, 2020 at 7:32 PM

Split Elements

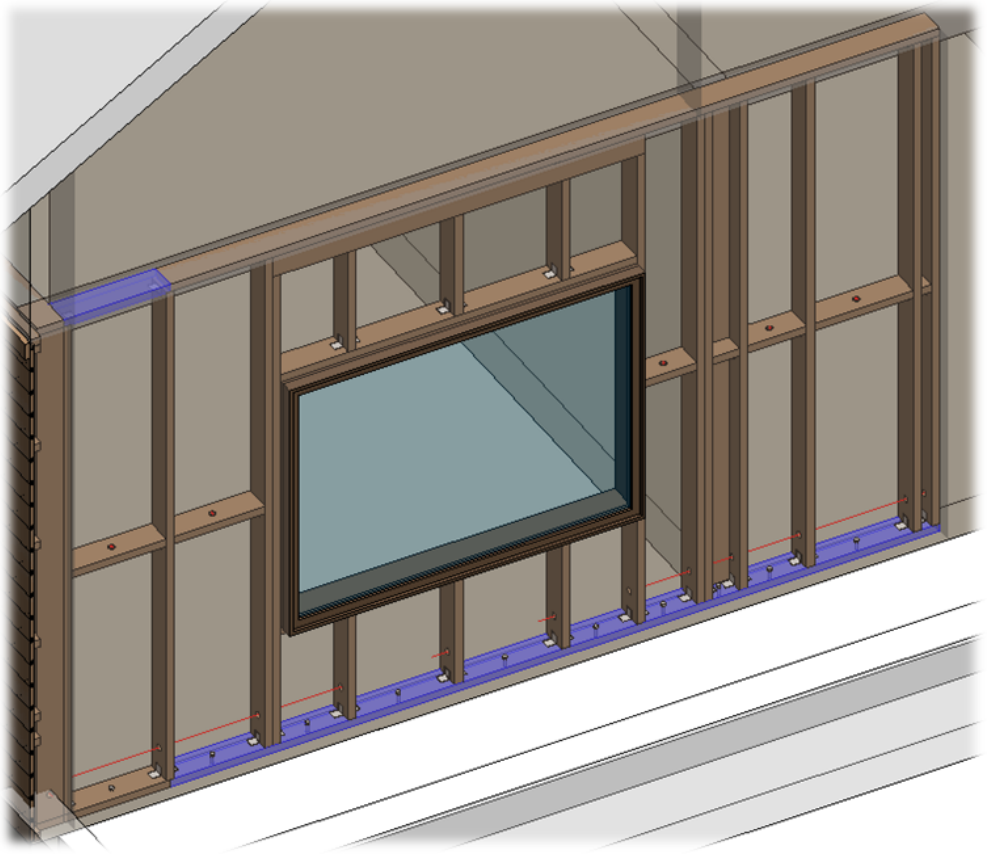


Split Elements – features for splitting studs, plates, bridging/nogging elements by different rules.

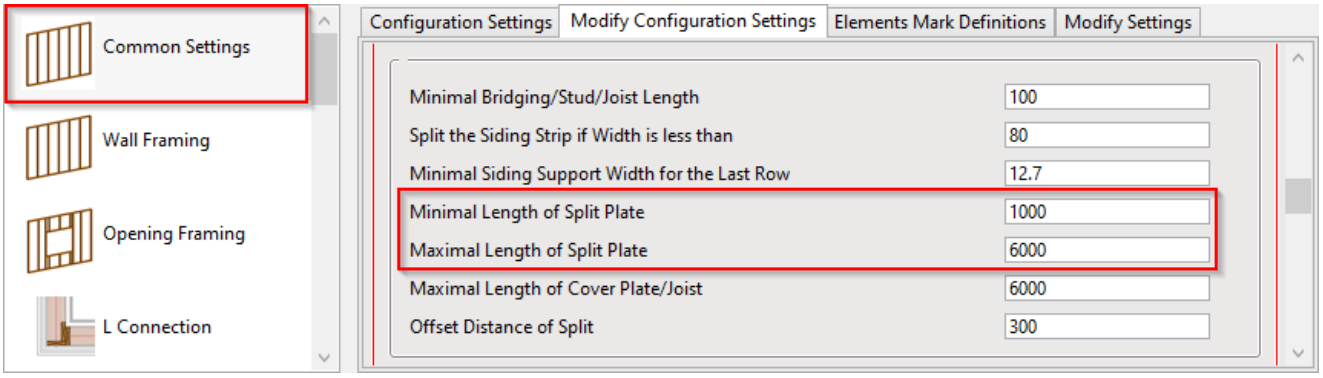
Split Top/Bottom Plates Automatically



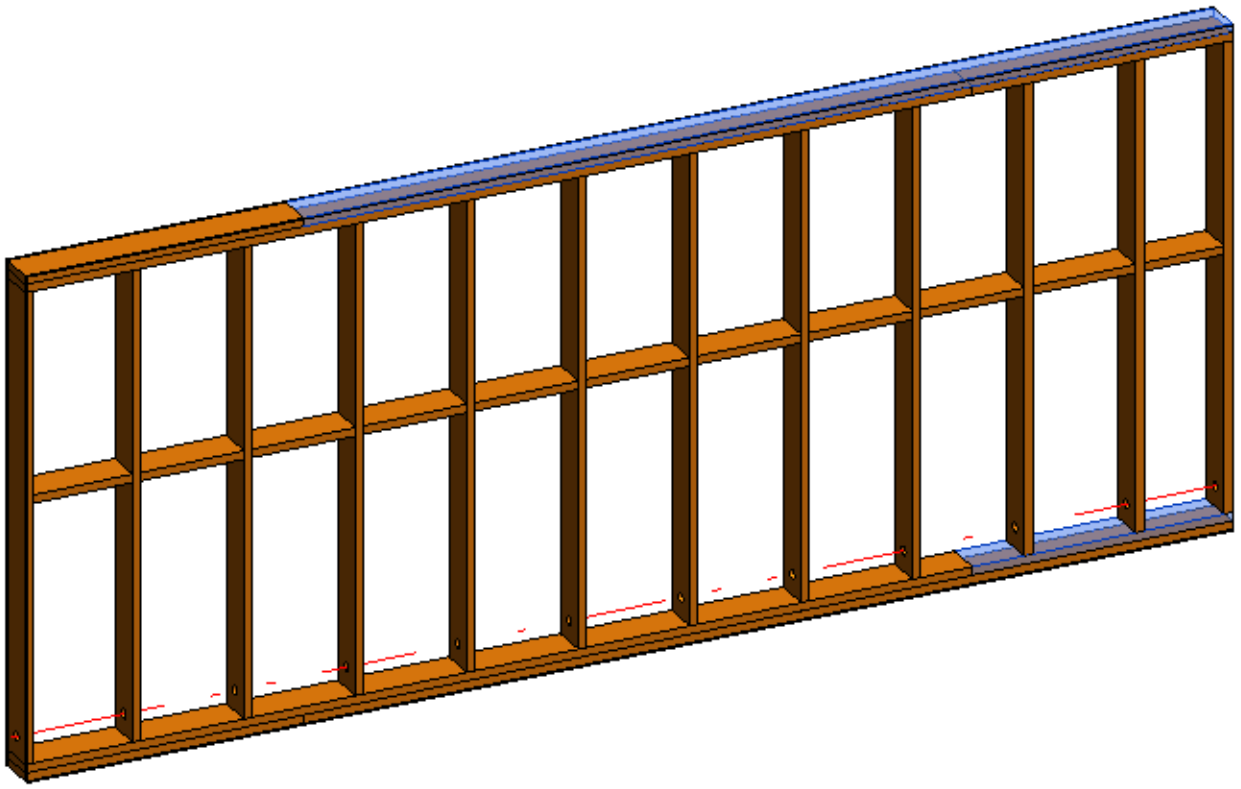
Split Top/Bottom Plates Automatically – splits top or bottom plates for selected wall according to predefined settings in **Framing Configuration**.



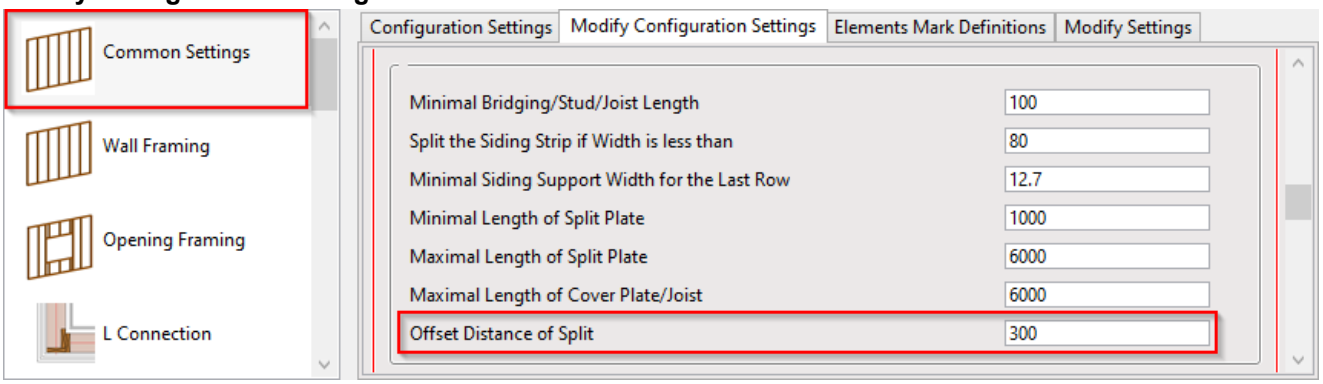
Split settings come from **Configs → Framing Configuration → Common Settings → Modify Configuration Settings** tab:



Minimal/Maximal Length of Split Plate – predefines min/max length for splitting top/bottom plates.

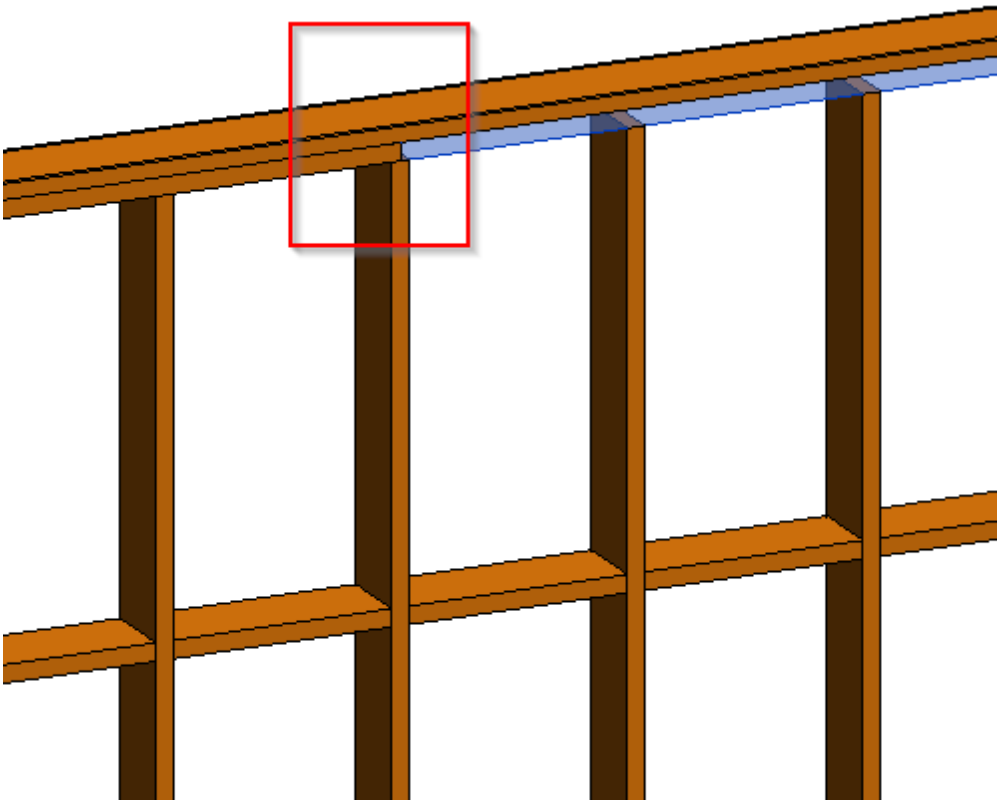


Also, pay attention to **Offset Distance of Split** setting in **Configs** → **Framing Configuration** → **Common Settings** → **Modify Configuration Settings** tab:

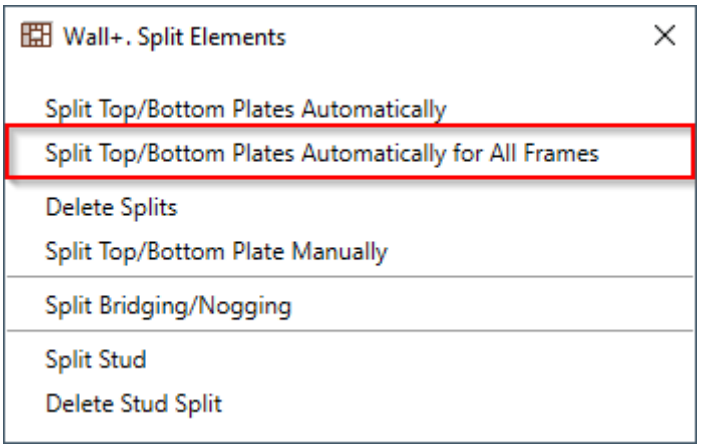


Offset Distance of Split – defines splitting distance for selected top/bottom plate from selected stud.

Example: Top/bottom plate is split with distance "0":

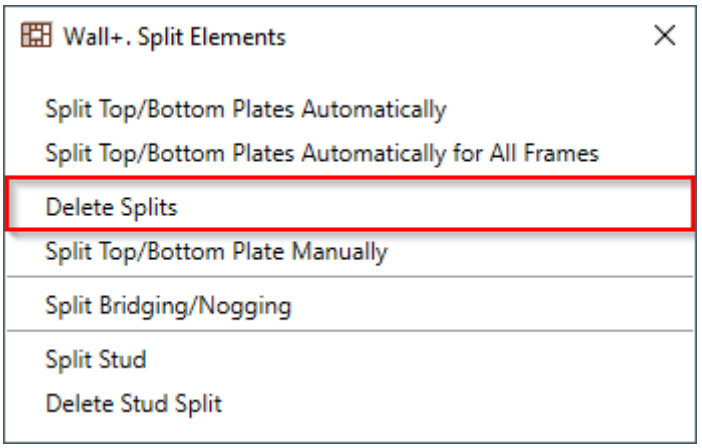


Split Top/Bottom Plates Automatically for All Frames



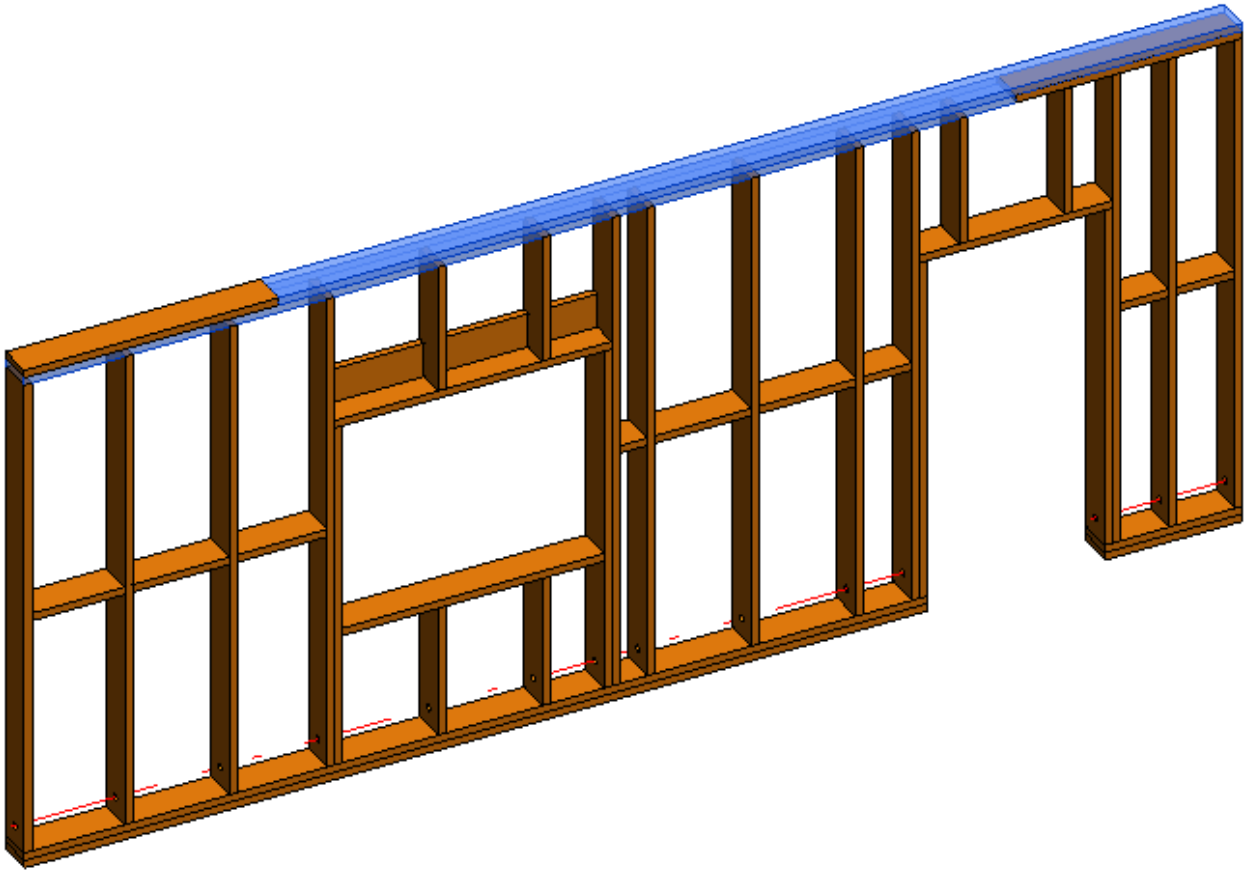
Split Top/Bottom Plates Automatically for All Frames – splits top or bottom plates for all walls in the current project according to predefined settings in **Framing Configuration**.

Delete Splits

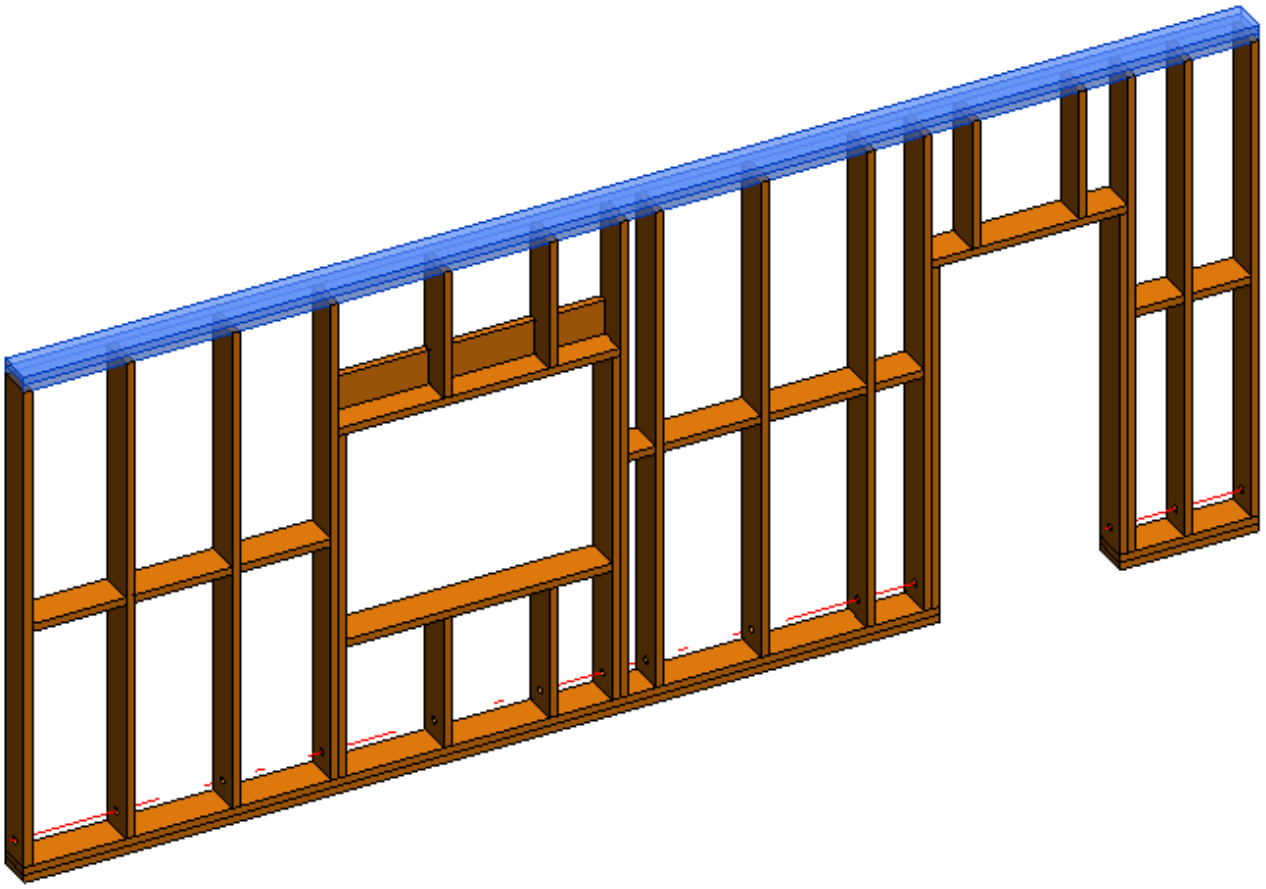


Delete Splits – resets selected wall plates to original length before splitting.

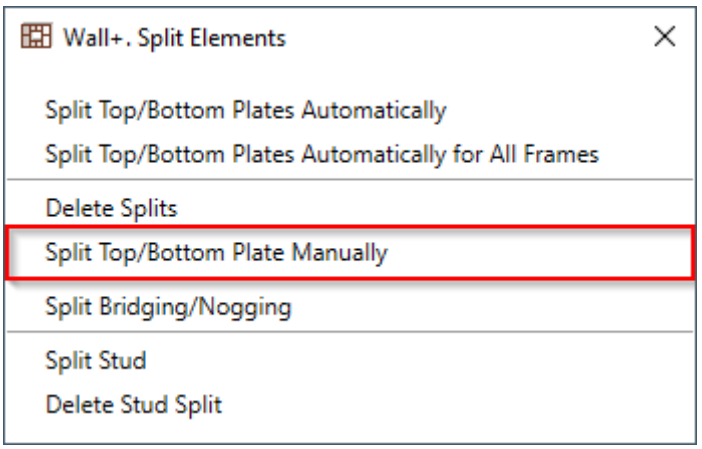
Example: Top plates were split...



*...after using **Delete Splits**, the top plates are whole again:*

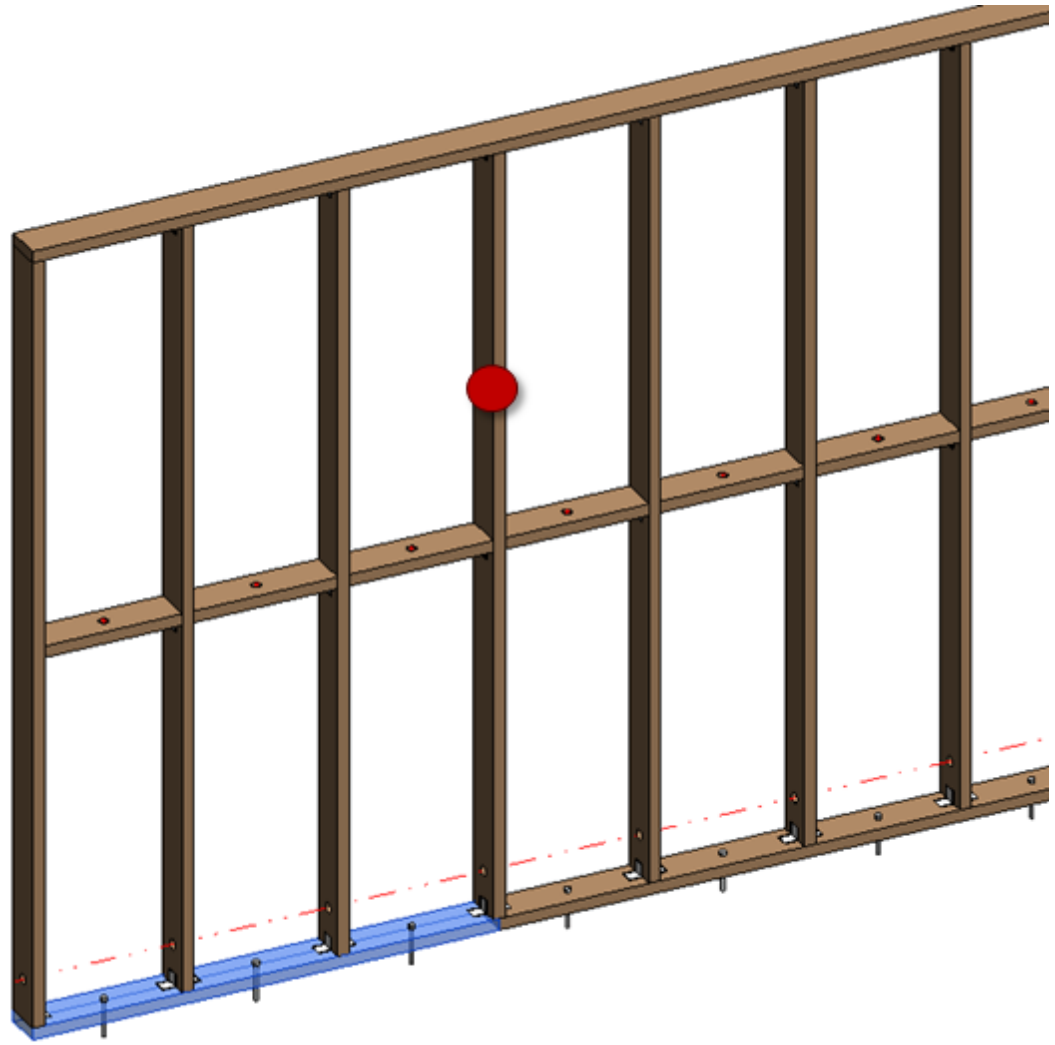


Split Top/Bottom Plate Manually

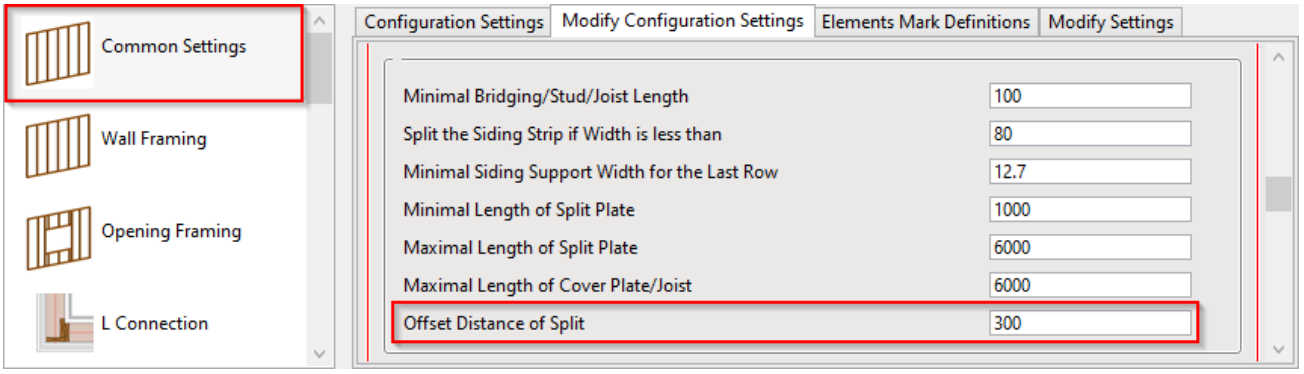


Split Top/Bottom Plates Manually – splits selected top or bottom plate by selected stud.

1. *Select a stud which will split top/bottom plate;*
2. *Select a top or bottom plate which will be split.*

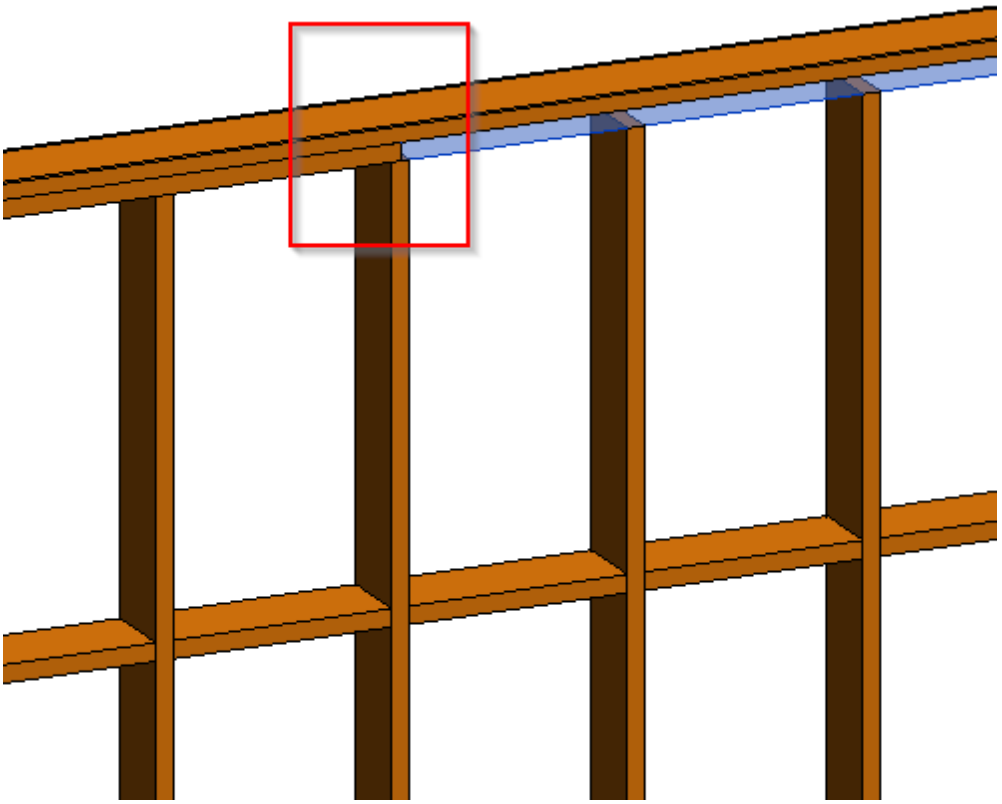


Also, pay attention to **Offset Distance of Split** parameter in **Framing Configuration → Common Settings → Modify Configuration Settings** tab:

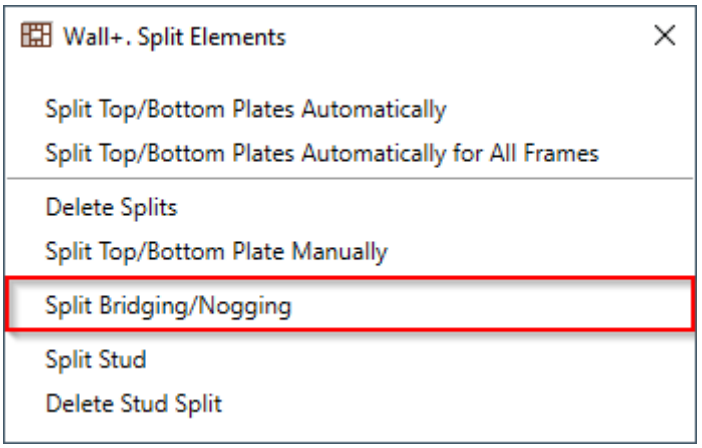


Offset Distance of Split – defines splitting distance for selected top/bottom plate from selected stud.

Example: Top/bottom plate is split with distance "0":



Split Bridging/Nogging

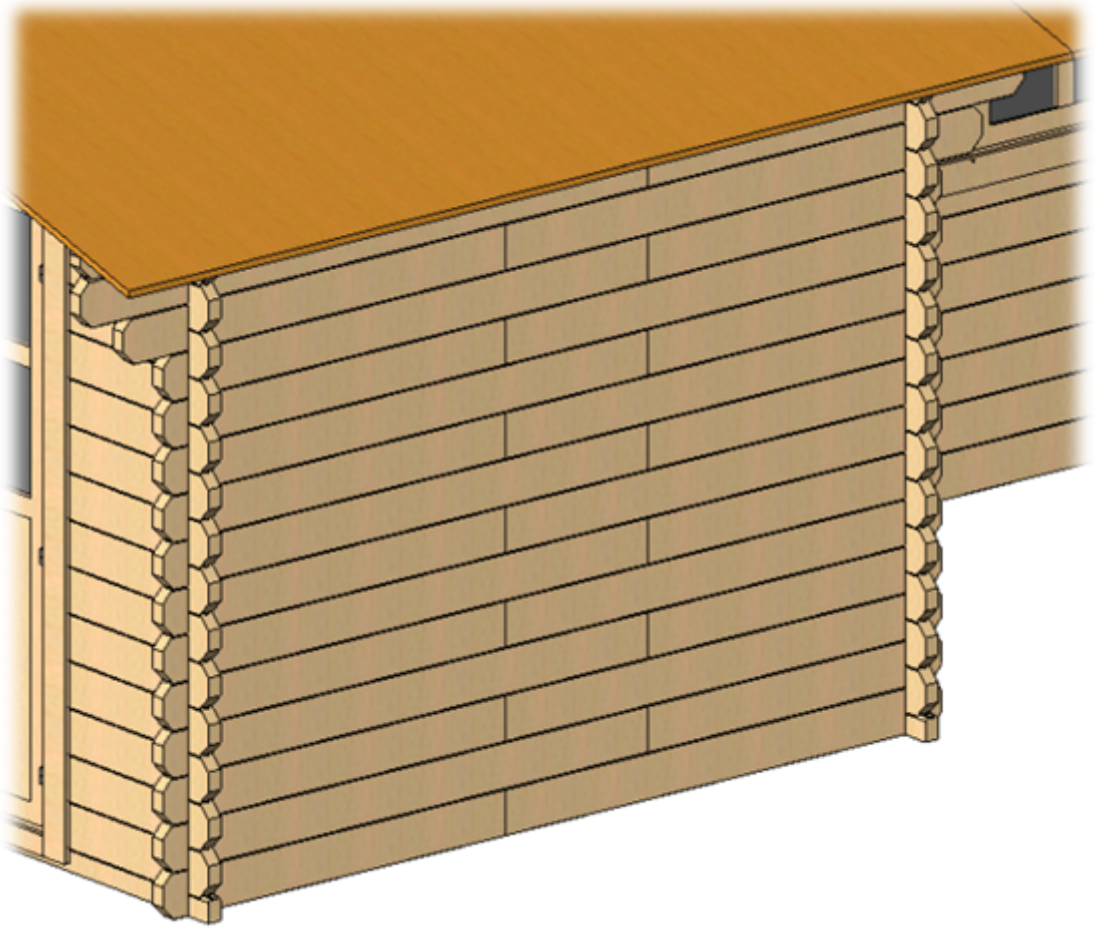


Split Bridging/Nogging – splits selected bridging/nogging by selected stud.

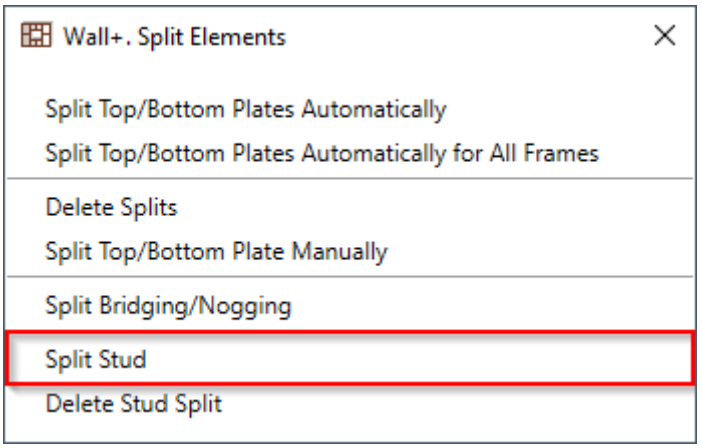
*Example with log wall. In this case, an invisible stud is added and **Split Bridging/Nogging** is used to split the logs into segments.*
Read more in blog post:
Expressive Log Wall of a House: How to Quickly Split Logs in One Wall in Revit® Model? (http://www.aga-cad.com/blog/expressive-log-wall-of-a-house-how-to-quickly-split-logs-in-one-wall-in-revit-model)

Steps:

1. *Select multiple bridgings/noggings which will be split;*
2. *Press Esc from the keyboard to finish selection;*
3. *Select a stud which will split bridgings/noggings.*



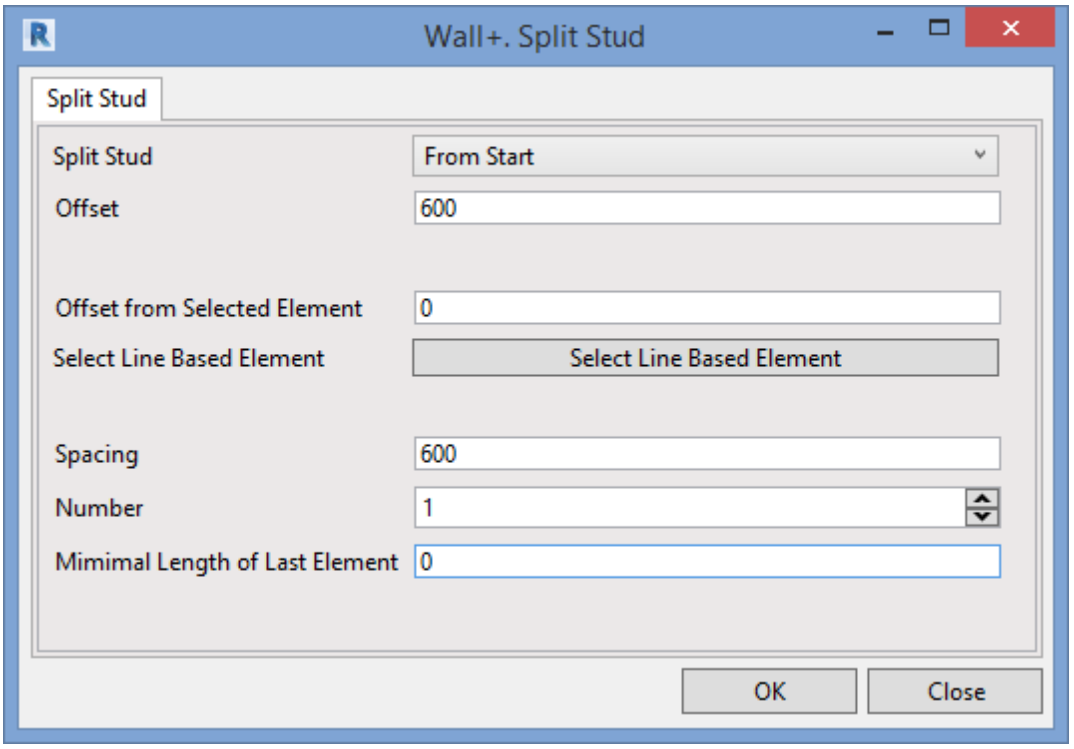
Split Stud

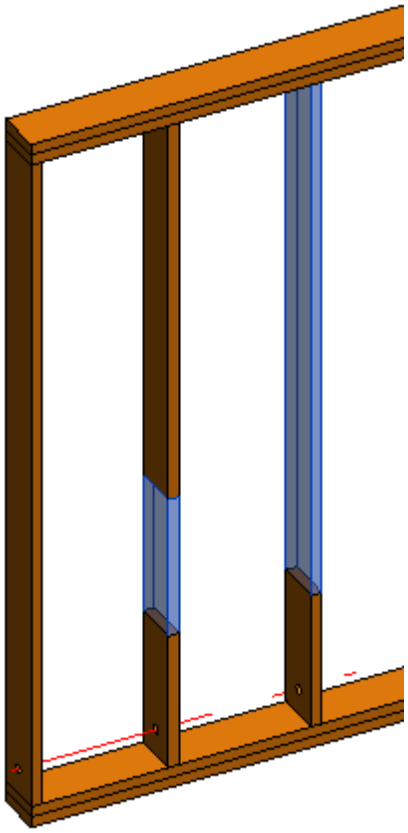


Split Stud – splits selected studs by predefined settings.

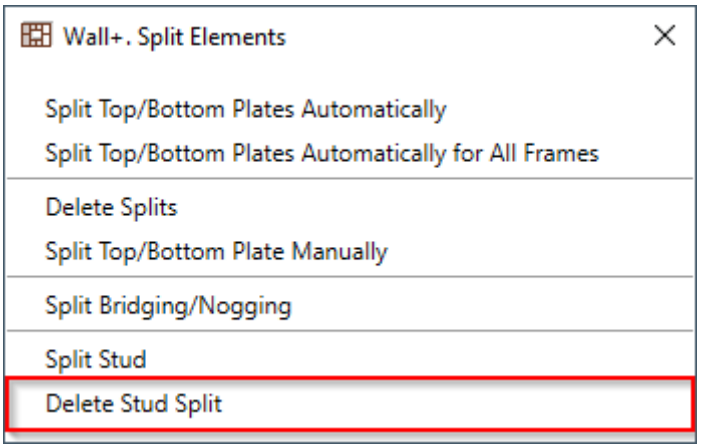
You can select one stud or multiple.

For stud splitting you will see a dialog with settings where you can predefine the offset, spacing, number of splits, minimal length of last element, etc.



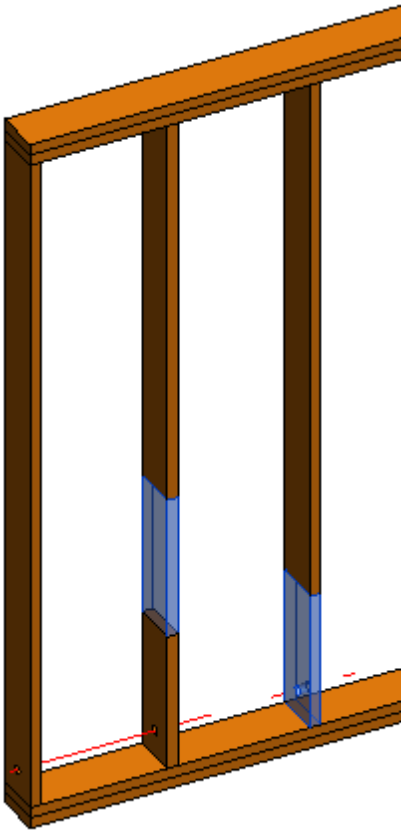


Delete Stud Split



Delete Stud Split – resets selected studs to original length before splitting.

Select the studs that were split:



*After clicking **Delete Stud Split**, the studs are restored to original length:*