ALIGN/TRIM/EXTEND – Split Elements

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Split Elements



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

Split Top/Bottom Plates Automatically

🖽 Wall+. Split Elements	×
Split Top/Bottom Plates Automatically	
Split Top/Bottom Plates Automatically for All Frames	
Delete Splits	
Split Top/Bottom Plate Manually	
Split Bridging/Nogging	
Split Stud	
Delete Stud Split	

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

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Split settings come from Configs \rightarrow Framing Configuration \rightarrow Common Settings \rightarrow Modify Configuration Settings tab:

	Configuration Settings Modify Configuration Settings Elements Mark I	Definitions Modify Settings
Common Settings	C	^
	Minimal Bridging/Stud/Joist Length	100
Wall Framing	Split the Siding Strip if Width is less than	80
	Minimal Siding Support Width for the Last Row	12.7
	Minimal Length of Split Plate	1000
Opening Framing	Maximal Length of Split Plate	6000
	Maximal Length of Cover Plate/Joist	6000
L Connection	Offset Distance of Split	300

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 \rightarrow Framing Configuration \rightarrow Common Settings \rightarrow Modify Configuration Settings tab:

	Configuration Settings Modify Configuration Settings Elements Mark Defi	initions Modify Settings
Common Settings		
	Minimal Bridging/Stud/Joist Length	100
Wall Framing	Split the Siding Strip if Width is less than	80
	Minimal Siding Support Width for the Last Row	12.7
	Minimal Length of Split Plate	1000
Opening Framing	Maximal Length of Split Plate	6000
	Maximal Length of Cover Plate/Joist	6000
L Connection	Offset Distance of Split	300

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

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

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Split Top/Bottom Plates Automatically for All Frames

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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

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Split Top/Bottom Plates Automatically Split Top/Bottom Plates Automatically for All Frames	
Delete Splits	
Split Top/Bottom Plate Manually	
Split Bridging/Nogging	
Split Stud Delete Stud Split	

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

🖽 Wall+. Split Elements	×
Split Top/Bottom Plates Automatically Split Top/Bottom Plates Automatically for All Frames	
Delete Splits	
Split Top/Bottom Plate Manually	
Split Bridging/Nogging	
Split Stud	
Delete Stud Split	

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.

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

	Configuration Settings Modify Configuration Settings Elements M	ark Definitions Modify Settings
Common Settings	Г ————————————————————————————————————	
	Minimal Bridging/Stud/Joist Length	100
Wall Framing	Split the Siding Strip if Width is less than	80
	Minimal Siding Support Width for the Last Row	12.7
	Minimal Length of Split Plate	1000
Opening Framing	Maximal Length of Split Plate	6000
	Maximal Length of Cover Plate/Joist	6000
L Connection	Offset Distance of Split	300
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Offset Distance of Split – defines splitting distance for selected top/bottom plate from selected stud.

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

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Split Bridging/Nogging

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Split Stud Delete Stud Split	

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.agacad.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

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Split Top/Bottom Plates Automatically Split Top/Bottom Plates Automatically for All Frames	
Delete Splits Split Top/Bottom Plate Manually	
Split Bridging/Nogging	
Split Stud	
Delete Stud Split	

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.

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R	Wall+. Split Stud 🛛 – 🗖 🗙
Split Stud	
Split Stud	From Start v
Offset	600
Offset from Selected Element	0
Select Line Based Element	Select Line Based Element
Spacing	600
Number	1
Mimimal Length of Last Element	0
	OK Close



Delete Stud Split

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



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

