ALIGN/TRIM/EXTEND - Split Elements

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Split Elements



Split Elements – features for splitting joists, rim joists, bridging/nogging elements by different rules.

Split Rim Joists Automatically

Split Elements	×
Split Rim Joists Automatically	
Split Rim Joists Automatically for All Frames	
Delete Splits	
Split Rim Joist Manually	
Split Bridging/Nogging	
Split Joist	
Delete Joist Split	

Split Rim Joists Automatically – splits rim joists for selected roof according to predefined settings in **Framing Configuration**.

ALIGN/TRIM/EXTEND - Split Elements : AGACAD



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

	Configuration Settings Modify Configuration Settings Elements Mark D	efinitions Modify Settings
Common Settings		
	Minimal Bridging/Stud/Joist Length	100
Roof Common Joists	Split the Flooring Strip if Width is less than	50
	Minimal Roofing Support Width for the Last Row	12.7
~	Minimal Length of Split Rim/Joist	100
Opening Framing	Maximal Length of Split Rim/Joist	6000
	Maximal Length of Cover Plate/Joist	6000
End Connection	Offset Distance of Split	300
~		

Minimal/Maximal Length of Split Rim/Joist - predefines min/max length for splitting rim joists.

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

	Configuration Settings Modify Configuration Settings Elements Mark De	finitions Modify Settings
Common Settings		^
	Minimal Bridging/Stud/Joist Length	100
Roof Common Joists	Split the Flooring Strip if Width is less than	50
	Minimal Roofing Support Width for the Last Row	12.7
~	Minimal Length of Split Rim/Joist	100
Opening Framing	Maximal Length of Split Rim/Joist	6000
×	Maximal Length of Cover Plate/Joist	6000
End Connection	Offset Distance of Split	300

Offset Distance of Split - defines splitting distance for selected rim joist from selected joist.

Example: Offset Distance of Split = 300mm:

-	300		

Split Rim Joists Automatically for All Frames

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Split Rim Joist Manually	
Split Bridging/Nogging	
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Split Rim Joists Automatically for All Frames – splits rim joists for all roofs in the current project according to predefined settings in **Framing Configuration**.

Delete Splits

Split Elements	×
Split Rim Joists Automatically Split Rim Joists Automatically for All Frames	
Delete Splits	
Split Rim Joist Manually	
Split Bridging/Nogging	
Split Joist	
Delete Joist Split	

Delete Splits - resets selected roof rim joists to original length before splitting.

Example: rim joists were split...



...after using **Delete Splits**, the rim joists are whole again:



Split Rim Joist Manually

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Split Joist	
Delete Joist Split	
Delete Splits Split Rim Joist Manually Split Bridging/Nogging Split Joist Delete Joist Split	

Split Rim Joist Manually - splits selected rim joist by selected joist.

- 1. Select a joist which will split top/bottom plate;
- 2. Select a top or bottom plate which will be split.



Result:



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

	Configuration Settings Modify Configuration Settings Elements Mark E	Definitions Modify Settings
Common Settings	Minimal Bridaina (Chud / Inite Lanath	100
		100
Roof Common Joists	Split the Flooring Strip if Width is less than	50
	Minimal Roofing Support Width for the Last Row	12.7
~	Minimal Length of Split Rim/Joist	100
Opening Framing	Maximal Length of Split Rim/Joist	6000
Ť	Maximal Length of Cover Plate/Joist	6000
End Connection	Offset Distance of Split	300
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Offset Distance of Split - defines splitting distance for selected rim joist from selected joist.

Example: Offset Distance of Split = 300mm:



Split Bridging/Nogging

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Split Rim Joists Automatically for All Frames	
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Split Rim Joist Manually	
Split Bridging/Nogging	
Split Joist	
Delete Joist Split	

Split Bridging/Nogging - splits selected bridging/nogging by selected joist.



Split Joist

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Delete Splits	
Split Rim Joist Manually	
Split Bridging/Nogging	
Split Joist	
Delete Joist Split	

Split Joist – splits selected joists by predefined settings.

You can select one joist or multiple.

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

R Roof+M. Split Joist		_		×
Split Joist				
Split Joist	From Start			~
Offset	600			
Split by Slope				
Offset from Selected Element	0			
Select Line Based Element	Select Line Based Ele	ement		
Spacing	600			
Number	1			* *
Mimimal Length of Last Element	0			
L	0	к	Cl	ose



Delete Joist Split



Delete Joist Split - resets selected joists to original length before splitting.

Select the joist that was split, after clicking **Delete Joist Split**, the joists are restored to original length:



