Detail Priority - Adjust Layout by Searching for other Elements

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Details can be inserted not only by using Layout and Array axis rules, but also a smarter way: insert Elements if certain conditions are met. For example, at beam intersections, proximity to other elements, etc.

- Adjust Layout by Searching for oth	ner Elements		
Searching Rule Class		Wall Joins	~
Search in Project	Current Project	~	
Searching Category		Walls	~
Family and Type Browser		None	Ŷ
Use all Types			
Additional Filter			
Searching Rule Name		L Connection	Ŷ
Wall Join Type Filter		Disjointed	Ŷ
Cut Type		None	Ŷ
Min and Max Distances	0	150	

NOTE: Adjust Layout by Searching for other Elements is available for all compatible categories except Curtain Panels and Line-based Generic Model. Also, it can be used only when inserting Point-based families.

Searching Rule Class

Top & Bottom Virtual Intersection - virtual intersection means that elements do not actually intersect but they would if extended. So, you have to use Min and Max distances to search for possible virtual intersection with selected Category elements and Types.

Left & Right Virtual Intersection - same as above, but searching direction is different.

T & B Connections - search in the top and bottom directions for other Point-based Families. Searching limit is defined by Min and Max Distances.

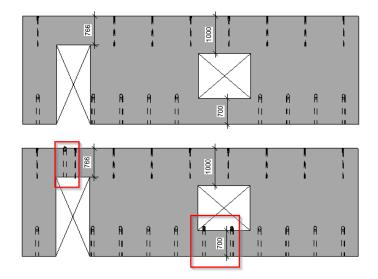
L & R Connections - search in the left and right directions for other Point-based Families. Searching limit is defined by Min and Max Distances.

Start & End Connections - search in the start and end directions for other Point-based Families. Searching limit is defined by Min and Max Distances.

Wall Joints - search for different intersection of Walls. Available if Category of Configuration is Wall. **Part Joints** - search for different intersection of Parts. Available if Category of Configuration is Wall. **Column & Structural Joints** - search different types of connections between columns and beams. Available if Category of Configuration is Column.

Floor Perimeter - search for Structural Framing elements parallel to side faces of the Floor around its perimeter.

Top & Bottom element Faces - search Host elements faces. Allows you to check if there is enough space for the detail and maybe it should not be inserted if there is a cut. Limits of solid and cuts may be defined.



Search in Project - some 'Searching Rule Class' options have the option to search in Current or Linked Project. Select one of the options in the drop-down.

 Adjust Layout by Searching for other Elements 	
Searching Rule Class	Top & Bottom Virtual Interse 👻
Search in Project	Current Project 🗸
Searching Category	Current and Linked Projects
	Current and Linked Projects Linked Projects
Searching Category Family and Type Browser Use all Types	

Searching Category - some 'Searching Rule Class' options have the option to search for different Category elements.

Search in Project	Current Project v
Searching Category	Structural Framing Y
Family and Type Browser	None
Use all Types	Cable Trays
	Conduits
Additional Filter	Ducts
Searching Rule Name	Floors
Cut Type	Pipes
	Roofs
Min and Max Distances 0	Structural Framing
Don't use Additional Side Check	

If a Category is selected, you can search for a particular Family and its Types:

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Search III Project	Current Project	
Searching Category	Structural Framing	~
Family and Type Browser	L precast beam : 800	~
Use all Types		
Additional Filter	500	
Searching Rule Name	Тор	~
- · -		

Select particular **Family and Type from Browser** or from drop-down menu.

Use all Types - tick ON if you want to apply this rule to all Types of selected Family.

Additional Filter - filter selected Types by selected filtering rule.

Searching Rule Name - specify searching direction or type of element joints. Available options depend on what you select in Searching Rule Class.

Cut Type

Cut Type	None 👻			
Min and Max Distances 0	None			
Dee's use Additional Side Charle	Cut Connected Element			
Don't use Additional Side Check	Cut Detail			
Array Axis	Cut Connected Element Host			
Side Offset	Cut Everything with Detail			
	Cut Host and Connected Element with Nested Detail Solids			
Start Offset	Cut all Except Host and Connected Element			
E 100 1				

To use this function, you have to have a Void inside the Family and Cut with Voids When Loaded should be checked

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Shared									

Cut Connected Element - will cut element that you were searching for

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	 Adjust Layout by Searching for other Ele 	ements	
	Searching Rule Class	Column & Framing Joins	~
	Search in Project	Current Project	\sim
	Searching Category	Structural Framing	~
	Family and Type Browser	None	~
	Use all Types		
	Additional Filter		
	Searching Rule Name	L Connection	~
	Cut Type	Cut Connected Element	~
	Min and Max Distances 0	304.8	
1			

Cut Detail - will cut your inserted Family with connected Family

Adjust Layout by Searching for other Elements	1	
Searching Rule Class	Column & Framing Joins v	
Search in Project	Current Project	
Searching Category	Structural Framing	
Family and Type Browser	None	
Use all Types		
Additional Filter		
Searching Rule Name	L Connection v	
Cut Type	Cut Detail v	
Min and Max Distances 0	304.8	

Cut Connected Element Host - use, for example, when you want to insert your family based on the location of another nearby family and cut its host at the same time. In the picture below, a corbel is placed on the Wall at the location of the plate, which is hosted on a Double Tee slab. So, DT is cut.

Adjust Layout by Searching for other Eleme	nts	Preview	-, , - > - > >
Searching Rule Class	L & R Connections v	Detail	
Search in Project	Current and Linked Projects v		
Searching Category	Structural Connections V		
Family and Type Browser	Plate : 100x200x20		
Use all Types	\checkmark		
Additional Filter		Connected Element	
Searching Rule Name	Left & Right v		
Cut Type	Cut Connected Element Host 👻		
Min and Max Distances 0	304.8		
Don't use Additional Side Check			

Cut Everything with Detail - will cut all intersecting elements

Cut Host and Connected Element with Nested Detail Solids - will cut Host and Connected element with solid details

Cut all Except Host and Connected Element - will cut all intersecting elements except Host and Connected Element